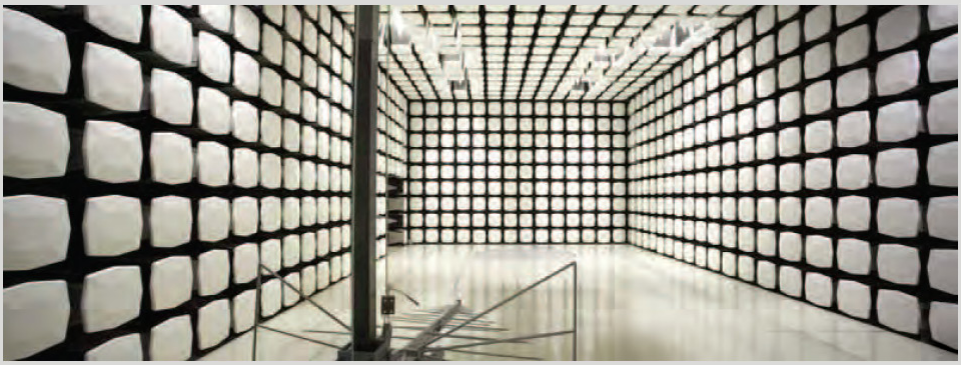
Summit Semiconductor LLC

444-2251

FCC 15.407:2014

Report #: FOCU0169



Report Prepared By Northwest EMC Inc.

NORTHWEST EMC – (888) 364-2378 – www.nwemc.com

California – Minnesota – Oregon – New York – Washington

CERTIFICATE OF TEST

WTD 12.5.23

Last Date of Test: June 23, 2014
Summit Semiconductor LLC
Model: 444-2251

Emissions

Test Description	Specification	Test Method	Pass/Fail
Test Signal Level	FCC 15.407:2014	ANSI C63.10:2009	Pass
Channel Loading/Channel Utilization	FCC 15.407:2014	ANSI C63.10:2009	Pass
Move Time	FCC 15.407:2014	ANSI C63.10:2009	Pass
Closing Time	FCC 15.407:2014	ANSI C63.10:2009	Pass
Non Occupancy Period	FCC 15.407:2014	ANSI C63.10:2009	Pass
Channel Availability Check	FCC 15.407:2014	ANSI C63.10:2009	Pass
Detection Bandwidth	FCC 15.407:2014	ANSI C63.10:2009	Pass
Statistical Performance Check	FCC 15.407:2014	ANSI C63.10:2009	Pass

Deviations From Test Standards

None

Approved By:

Kyle Holgate, Operations Manager

NVLAP Lab Code: 200630-0

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America.

Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test.

NORTHWEST EMC
REV 2012.08.02

REVISION HISTORY

Revision Number	Description	Date	Page Number
00	None		

Barometric Pressure

The recorded barometric pressure has been normalized to sea level.

NORTHWEST EMC

REV 2012.05.24

ACCREDITATIONS AND AUTHORIZATIONS

United States

FCC - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

A2LA - Accredited by A2LA to ISO / IEC Guide 65 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

IC - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

European Union

European Commission – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

Australia/New Zealand

ACMA - Recognized by ACMA as a CAB for the acceptance of test data.

Korea

KCC / RRA - Recognized by KCC's RRA as a CAB for the acceptance of test data.

Japan

VCCI - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

Taiwan

BSMI – Recognized by BSMI as a CAB for the acceptance of test data.

NCC - Recognized by NCC as a CAB for the acceptance of test data.

Singapore

IDA – Recognized by IDA as a CAB for the acceptance of test data.

Hong Kong

OFTA – Recognized by OFTA as a CAB for the acceptance of test data.

Vietnam

MIC – Recognized by MIC as a CAB for the acceptance of test data.

Russia

GOST – Accredited by Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC to perform EMC and Hygienic testing for Information Technology products to GOST standards.

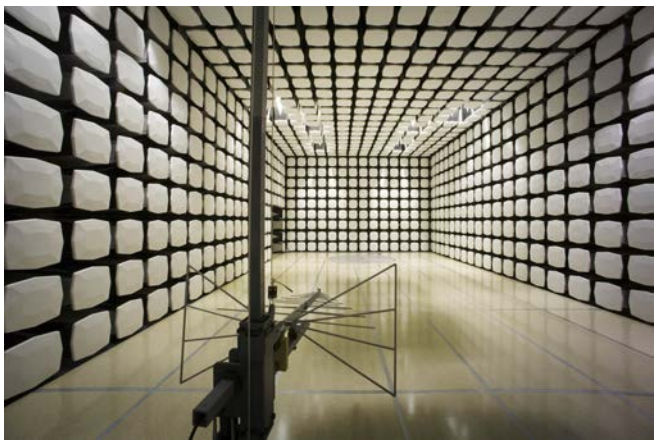
SCOPE

For details on the Scopes of our Accreditations, please visit:
http://www.nwemc.com/accreditations/

FACILITIES

REV 2013.06.28

Oregon	California	New York	Minnesota	Washington
Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 685-0796	Labs MN01-08 9349 W Broadway Ave. Brooklyn Park, MN 55445 (763) 425-2281	Labs NC01-05,SU02,SU07 19201 120th Ave. NE Bothell, WA 98011 (425) 984-6600
VCCI				
A-0108	A-0029		A-0109	A-0110
Industry Canada				
2834D-1, 2834D-*2*	2834B-1, 2834B-2, 2834B-3		2834E-1	2834F-1
NVLAP				
NVLAP Lab Code: 200630-0	NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200629-0



PRODUCT DESCRIPTION

WTD 12.5.23

Client and Equipment Under Test (EUT) Information

Company Name:	Summit Semiconductor LLC
Address:	22867 NW Bennett St, Suite 200
City, State, Zip:	Hillsboro, OR 97124
Test Requested By:	Paul Hamilton
Model:	444-2251
First Date of Test:	June 19, 2014
Last Date of Test:	June 23, 2014
Receipt Date of Samples:	June 09, 2014
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):

Proprietary 802.11a master radio with packetized data transfer of I2S audio to client

Hardware, Firmware, and OS Versions:

Hardware version: Sherwood Master R104, Athena4XC Client R102
Firmware version: FW193.7
OS versions: N/A

The operating frequency band(s) of the equipment.

The radio operates on channel center frequencies of 5.18–5.32 GHz, 5.50–5.70 GHz, and 5.745-5.825 GHz with Maximum occupied channel bandwidth of 20 MHz

The operating modes (Master and/or Client) of the U-NII device.

Master radio and client combination. Client has no radar detection capability.

For Client devices, indicate whether or not it has DFS capabilities and indicate the FCC (and IC) identifier for the Master U-NII Device that is used with it for DFS testing.

Client does not have radar detection capability. Ad-hoc capability does not apply. A DFS-compliant Master device was used for testing.

List the highest and the lowest possible power level (equivalent isotropic radiated power (EIRP) of the equipment.

The maximum EIRP of the 5 GHz equipment is 14 dBm conducted.

Test sequences or messages that should be used for communication between Master and Client Devices, which are used for loading the Channel.

1. Stream the test file from the Master Device to the Client Device for IP based systems or frame based systems which dynamically allocate the talk/listen ratio.
2. For frame based systems with fixed talk/listen ratio, set the ratio to 45%/55% and stream the test file from the Master to the Client.
3. For other system architectures, supply appropriate Channel loading methodology.

Stream the audio test file from the Master Device to the Client Device. Fixed talk/listen ratio, of 25%/75%

PRODUCT DESCRIPTION

Transmit Power Control description.

This device does not exceed 27dBm EIRP, so no transmit power control is implemented.

System architectures, data rates, U-NII Channel bandwidths.

1. Indicate the type(s) of system architecture (e.g. IP based or Frame based) that the U-NII device employs. Each type of unique architecture must be tested.

Load based system w/spectrum sharing mechanism based on IEEE 802.11 standard

The time required for the Master Device and/or Client Device to complete its power-on cycle.

Less than 4 seconds

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.

Parameters of the detected radar signals is not available to the end user.

Uniform Channel Spreading requirement for Master Devices. For Master Devices, indicate how the master provides, on aggregate, uniform Channel loading of the spectrum across all Channels.

The Master device uses Dynamic Frequency Selection in its use of the wireless medium and selects channels as follows:

1. The Master unit, after power up, initializes its radios to a default radio channel determined from values preprogrammed in its flash memory. During the Network Beacon process (essential to synchronize the master and slave units for communication) two channels are selected randomly, one for non-DFS and one for DFS use.

2. Then onwards, new channels are derived by a pseudo-random channel selection process performed within each channel set. DFS system senses channel impairment by energy or radar detection on monitor or transmit radios. Channel impairment may also be detected by the transmitter radio by observing the packet loss/error rate as reported by the slave units.

3. When a prospective channel is selected for use, appropriate national regulations are adhered to. For example, when operating in U.S.A, FCC regulations are followed. These regulations govern how long a channel has to be left unused on detection of radar (30 minutes for FCC) and how long a channel has to be monitored for radar before being used (60 seconds for FCC).

4. When a new channel is used, a channel change is done within about 100 ms after detecting impairment (FCC regulations require the channel be vacated within 200 ms of detecting radar).

This channel selection method ensures uniformity of channel loading of all available channels.

PRODUCT DESCRIPTION

List all antenna assemblies and their corresponding gains.

1. If radiated tests are to be performed, the U-NII Device should be tested with the lowest gain antenna assembly (regardless of antenna type). The report should indicate which antenna assembly was used for the tests. For devices with adjustable output power, list the output power range and the maximum EIRP for each antenna assembly.
2. If conducted tests are to be performed, indicate which antenna port/connection was used for the tests and the antenna assembly gain that was used to set the DFS Detection Threshold level during calibration of the test setup.
    a. Indicate the calibrated conducted DFS Detection Threshold level.
    b. For devices with adjustable output power, list the output power range and the maximum EIRP for each antenna assembly.
    c. Indicate the antenna connector impedance. Ensure that the measurement instruments match (usually 50 Ohms) or use a minimum loss pad and take into account the conversion loss.
3. Antenna gain measurement verification for tested antenna.
    a. Describe procedure
    b. Describe the antenna configuration and how it is mounted
    c. If an antenna cable is supplied with the device, cable loss needs to be taken into account. Indicate the maximum cable length and either measure the gain with this cable or adjust the measured gain accordingly. State the cable loss.

Master has one 50 ohm antenna (~1dBi), and client has four 50 ohm diversity antennas (~1dBi).

CONFIGURATIONS

Configuration FOCU0169- 4

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Digital Wireless Master Module	Summit Semiconductor LLC	444-2251	02EA4F0007D

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Glenwood-Bridge	Summit Semiconductor LLC	088R104	None
AC/DC Adapter (DELL)	Dell	DPN-6C3W2	None
Digital Wireless Client Module	Summit Semiconductor LLC	444-2250	02EA41000012
Power Supply (Master)	Artysen	SSL40C	None
Remote Laptop	Dell	Inspiron	None
Remote Laptop (DFS)	Dell	Latitude	2007-0057
Shielded Enclosure (Client)	Tescom	None	014
Shielded Enclosure (Master)	Ramsey	STE2900	1988
USB Audio Converter	TeraLink	TeraLink 2	None
USB to I2c Converter	Summit Semiconductor LLC	None	U2C-4.27
AC/DC Adapter (Shielded Enclosure)	ARTESYN	SSL40C-7618	None
AC/DC Adapter (Replacement)	Replacement AC Adapter	AC-PA-10	None

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
AC Power Cable x2	No	.9m	No	AC/DC Power Adapter	AC Mains
DC Power Cable	No	1.2m	Yes	Laptop	AC/DC Power Adapter
AC Power Cable	No	.9m	No	AC/DC Power Adapter	AC Mains
USB Cable	Yes	1m	No	Remote Laptop	Shielded Enclosure (Client)
Serial Cable	No	1m	No	Remote Laptop (DFS)	Shielded Enclosure (Master)
Ethernet to I/O	Yes	.8m	Yes	TeraLink 2	Shielded Enclosure (Master)
Serial to I/O Cable	No	.2m	Yes	Shielded Enclosure (Master)	USB to I2C Converter
USB Cable	Yes	1.5m	No	Remote Laptop	USB to I2C Converter
USB Cable	Yes	1.2m	No	Remote Laptop	TeraLink 2
DC Power Cable	No	.5m	Yes	AC/DC Power Adapter	Shielded Enclosure (Master)

MODIFICATIONS

WTD 12.5.23

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	6/19/2014	Statistical Performance Check	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	6/20/2014	Move Time	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
3	6/20/2014	Closing Time	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
4	6/20/2014	Non Occupancy Period	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
5	6/23/2014	Channel Availability Check	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
6	6/23/2014	Channel Loading/Channel Utilization	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
7	6/23/2014	Detection Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
8	6/23/2014	Test Signal Level	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

INTRODUCTION & MASTER DEVICE DFS CONFORMANCE

Overview

For a Master device, there are multiple test that should be performed to verify the correct operation when using DFS Channels. Channel Move Time and Channel Closing Transmission Time requirements are verified with one Short Pulse Radar and one Long Pulse Radar. Non-occupancy period, Detection Bandwidth and Channel Availability Check should be confirmed with short radar pulses. The remaining DFS Detection Threshold test is confirmed by the in-service monitoring statistical performance check where all radar types are required.

Channel Closing Transmission Time: The total duration of transmissions, consisting of data signals and the aggregate of control signals, by a U-NII device during the Channel Move Time.

Channel Move Time: The time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold. In addition, a Master device will instruct all associated client devise to vacate the channel.

Non-Occupancy Period: Time during which both the master and client device shall not make any transmissions on a channel after a radar signal was detected on that channel. It should at least the minimum requirements but it can be more.

Channel Availability Check: A DFS function that monitors a Channel to determine if a Radar Waveform above the DFS Detection Threshold is present.

U-NII Detection Bandwidth: The contiguous frequency spectrum over which a U-NII device detects a Radar Waveform above the DFS Detection Threshold.

DFS Detection Threshold: The required detection level defined by a received signal strength (RSS) that is greater than a specified threshold, within the U-NII Detection Bandwidth (tested as part of Channel Availability Check, U-NII Detection Bandwidth, and statistical performance check.

Uniform Channel Spreading: The spreading of U-NII device Operating Channels over the 5.25-5.35 GHz and/or 5.47-5.725 GHz bands to avoid dense clusters of devices operating on the same Channel (Customer attestation)

Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client (without DFS)	Client (with DFS)
Non-Occupancy Period	Yes	Yes	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
Uniform Spreading	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client (without DFS)	Client (with DFS)
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required	Yes

DFS Response Requirement Values

Parameter	Value
Non-occupancy	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds (See Note 1)
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. (See Notes 1 and 2).
U-NII Detection Bandwidth	Minimum 80% of the UNII 99% transmission power bandwidth. (See Note 3).

Note 1: The instant that the Channel Move Time and the Channel Closing Transmission Time begins is as follows:

- For the Short Pulse Radar Test Signals this instant is the end of the Burst.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated.
- For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the Radar Waveform.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 1 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

INTRODUCTION & MASTER DEVICE DFS CONFORMANCE

DFS Detection Thresholds for Master or Client Devices Incorporating DFS

Maximum Transmit Power	Value (See Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	

Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
1	1	1428	18	60%	30
2	1 - 5	150 - 230	23 - 29	60%	30
3	6 -10	200 - 500	16 – 18	60%	30
4	11 - 20	200 - 500	12 -16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Long Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50 - 100	5 - 20	1000 - 2000	1 - 3	8 - 20	80%	30

Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

Setting the Test Signal Level

The radar test signal level is set at the Master Device, or the Client Device with In-Service Monitoring, as appropriate for the particular test. This device is known as the Radar Detection Device (RDD).

- When a Client Device without In-Service Monitoring is the UUT, the Master Device is the RDD.
- When a Client Device with In-Service Monitoring is the UUT, and is tested for response to the Master Device detections, the Master Device is the RDD.
- When a Client Device with In-Service Monitoring is the UUT, and is tested for independent response to detections by the Client Device, the Client Device is the RDD.

Using the mode of operations and configurations noted within this report, a series of Dynamic frequency selection tests were performed according to the standard. A spectrum analyzer is used to establish the test signal level for each radar type. During this process, there are no transmissions by either the Master Device or Client Device. The spectrum analyzer is switched to the zero span (time domain) mode at the frequency of the Radar Waveform generator. The peak detector function of the spectrum analyzer is utilized. The signal generator amplitude and/or step attenuators are set so that the power level measured at the spectrum analyzer is equal to the DFS Detection Threshold that is required for the tests. The required test are performed and the spectrum analyzer and generator are configured appropriately for each test. The master device may use special test modes for statistical performance checks and detection bandwidth test, when the standard allows, to speed up testing. Data and screen captures are then recorded in the appropriate data sheets.

7.2.1 Setup for Master with injection at the Master

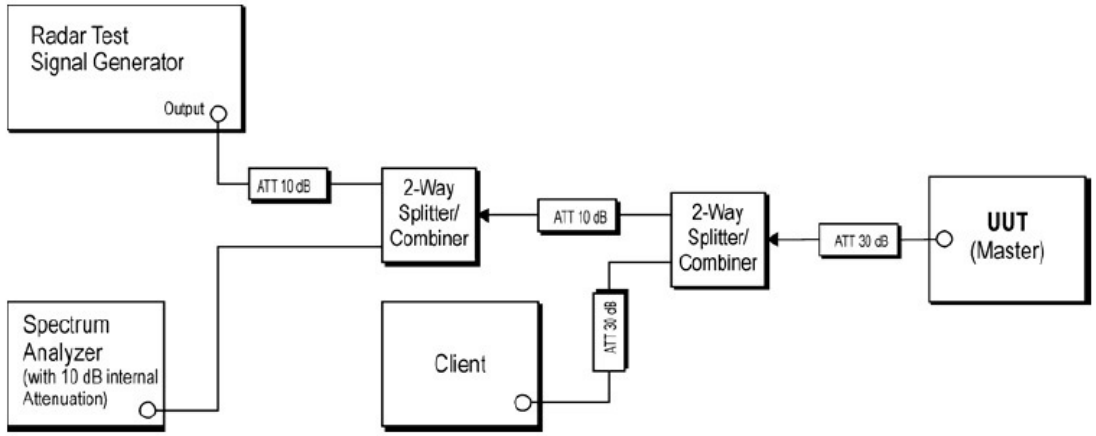


Figure 2: Example Conducted Setup where UUT is a Master and Radar Test Waveforms are injected into the Master

Test Signal Level

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	12
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	5/28/2014	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. A spectrum analyzer was used to measure and record the test signal level for each radar type (1-6) as defined in the test procedure.

RBW: ≥ 3MHz

VBW: ≥ 3MHz

Detector: Peak

SPAN: Zero

The measurement was taken using the transmission path from the signal generator to the master. The test signal level was then set equal to the DFS Detection Threshold that is required for testing. The following calculation was used for the final threshold value:

-62dBm + 1dB(spec allowance) + 1dBi (antenna gain) + 6.2dB(measured internal EUT loss) = -53.8dBm final threshold limit.

Test Signal Level

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/23/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

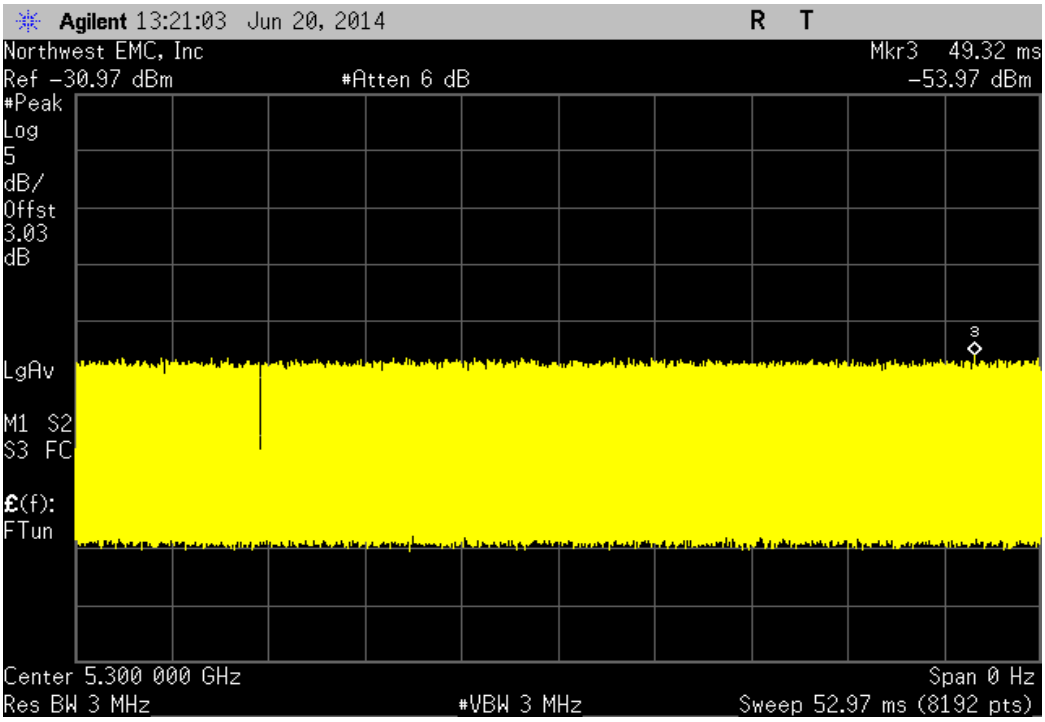
None

Configuration #	4	*Signature*

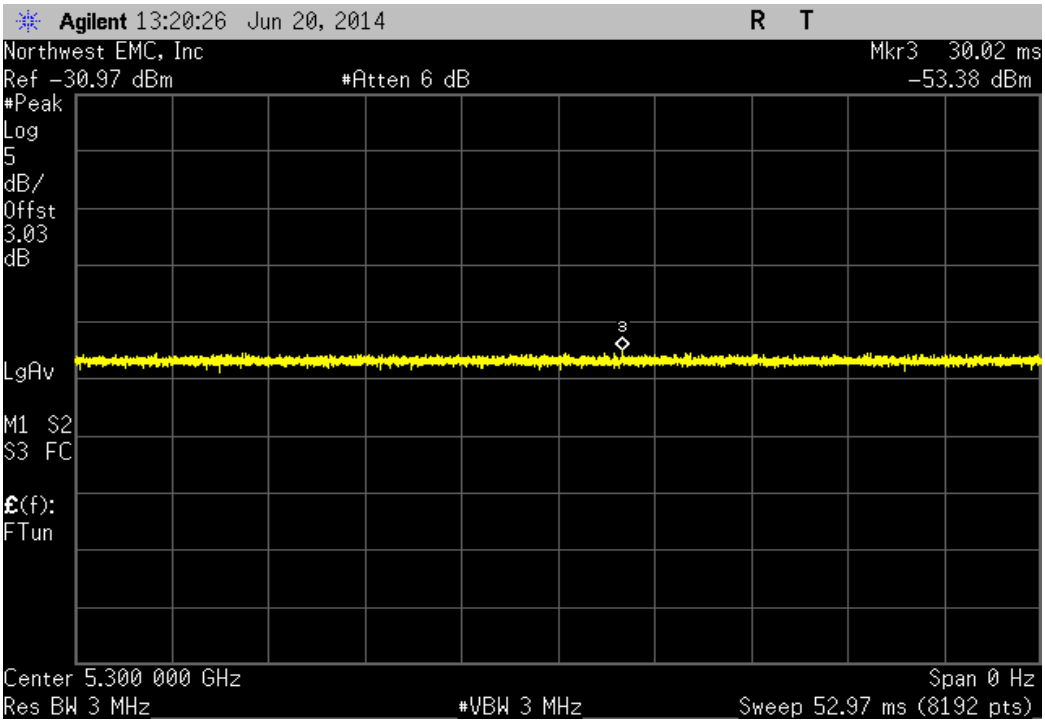
	Measured Value (dBm)	Target Value (dBm)	Result
Radar Type 1	-53.97	-53.8	N/A
Radar Type 2	-53.38	-53.8	N/A
Radar Type 3	-53.31	-53.8	N/A
Radar Type 4	-53.26	-53.8	N/A
Radar Type 5	-54.0	-53.8	N/A
Radar Type 6	-53.83	-53.8	N/A

Test Signal Level

Radar Type 1							
					Measured Value (dBm)	Target Value (dBm)	Result
					-53.97	-53.8	N/A

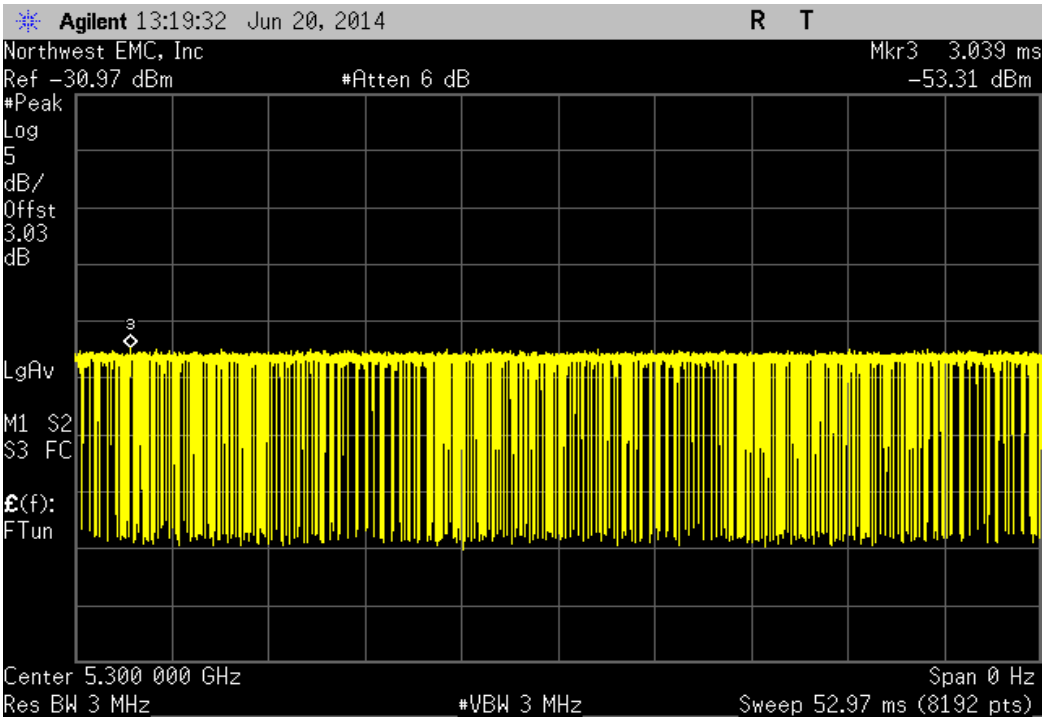


Radar Type 2							
					Measured Value (dBm)	Target Value (dBm)	Result
					-53.38	-53.8	N/A

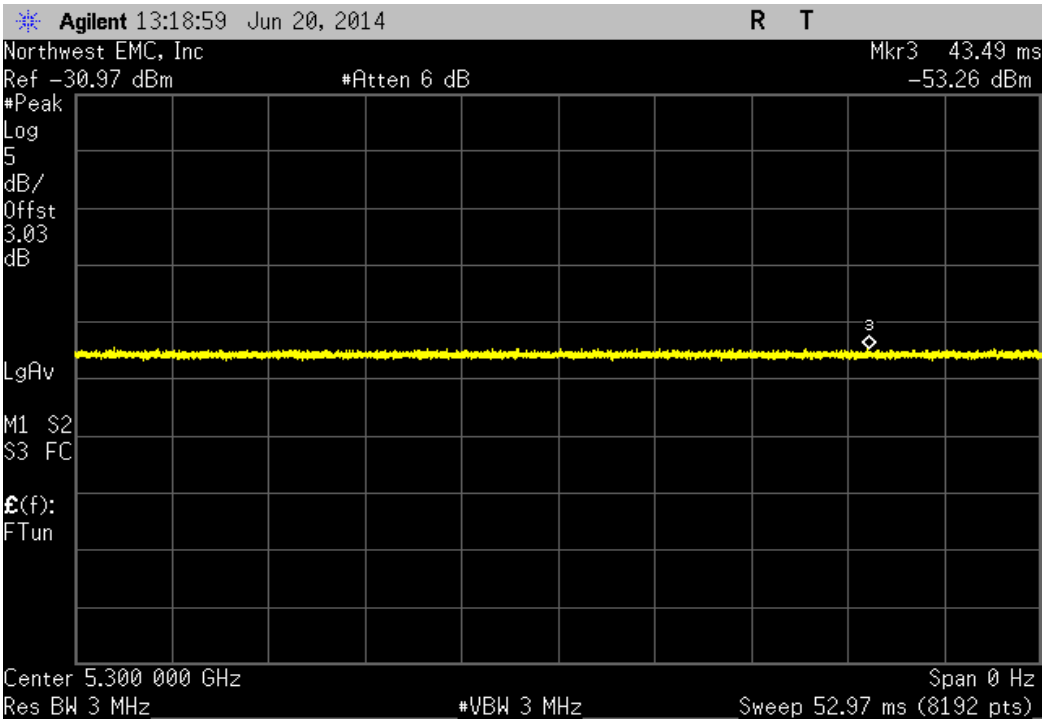


Test Signal Level

Radar Type 3							
					Measured Value (dBm)	Target Value (dBm)	Result
					-53.31	-53.8	N/A

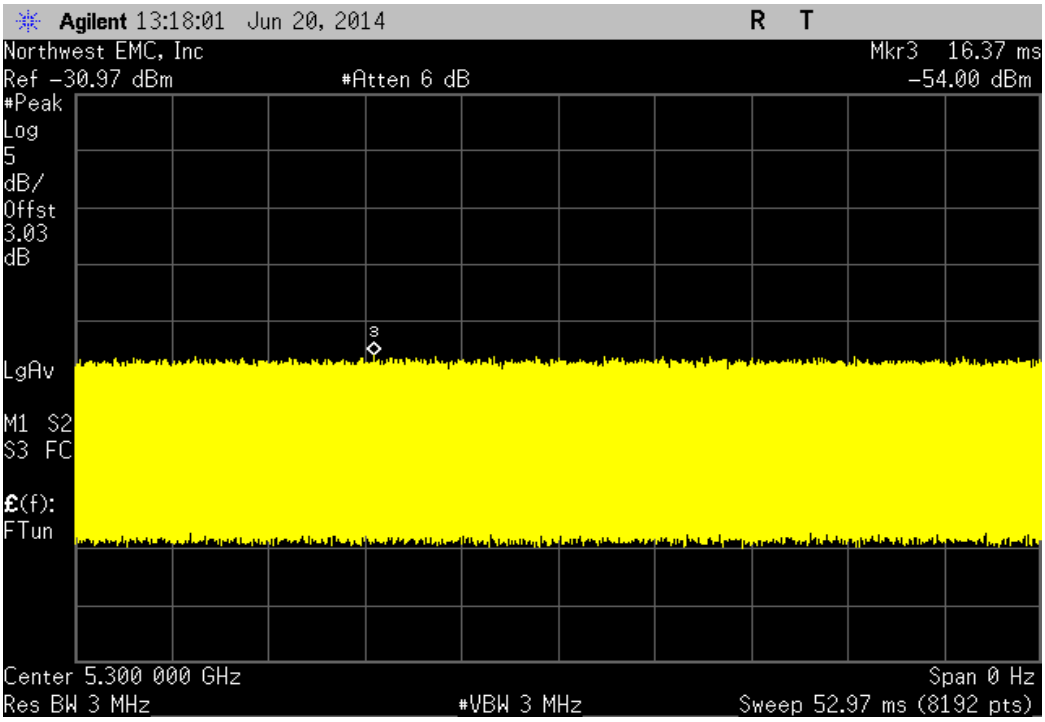


Radar Type 4							
					Measured Value (dBm)	Target Value (dBm)	Result
					-53.26	-53.8	N/A

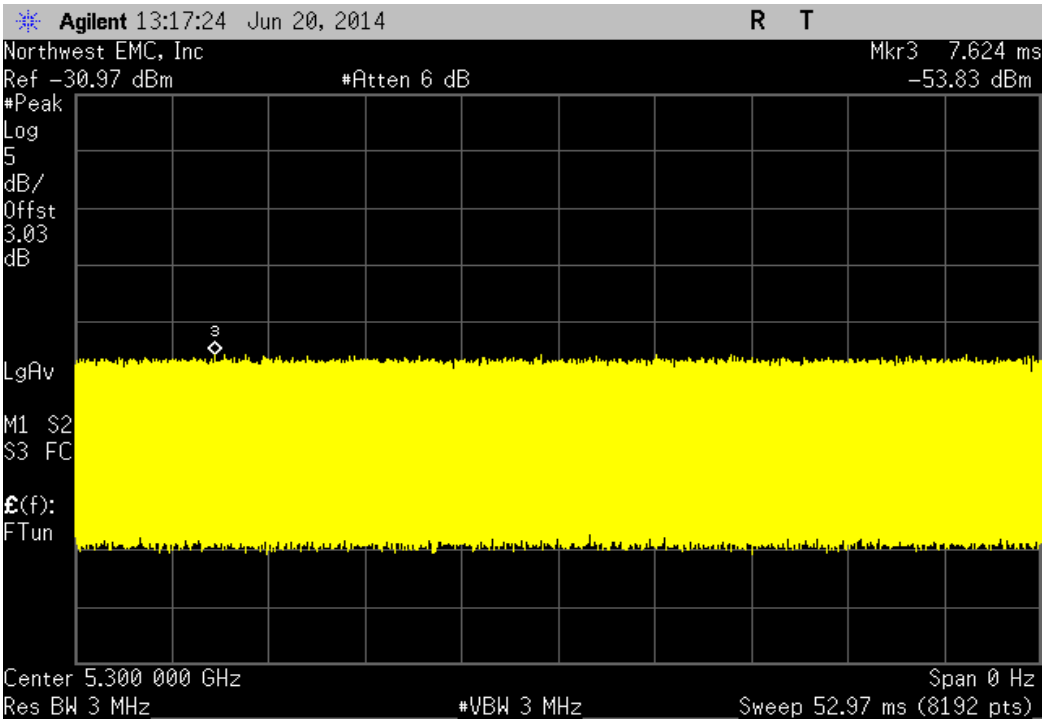


Test Signal Level

Radar Type 5							
					Measured Value (dBm)	Target Value (dBm)	Result
					-54.0	-53.8	N/A



Radar Type 6							
					Measured Value (dBm)	Target Value (dBm)	Result
					-53.83	-53.8	N/A



Test Signal Level

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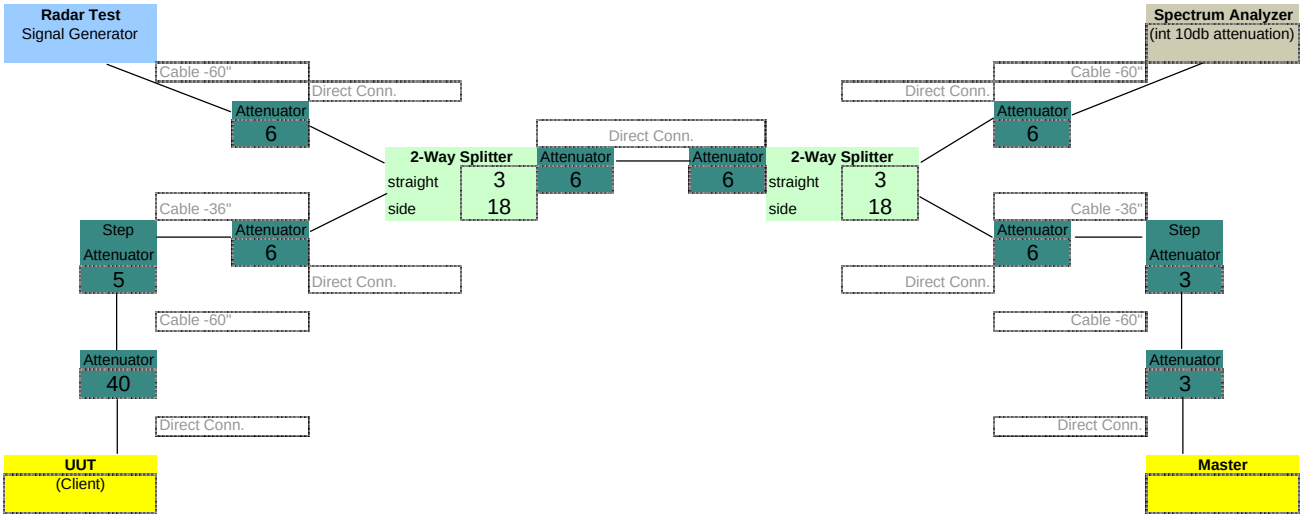


Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Channel Loading/Channel Utilization - Working Radio

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	12
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	5/28/2014	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain as further described by the sweep times listed in the test data. A direct connection was made between the RF output of the master and client system setup which used the conducted method described in the FCC KDB 905462 test procedure via a series of splitters and attenuators.

Channel Loading/Channel Utilization - Working Radio

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/23/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

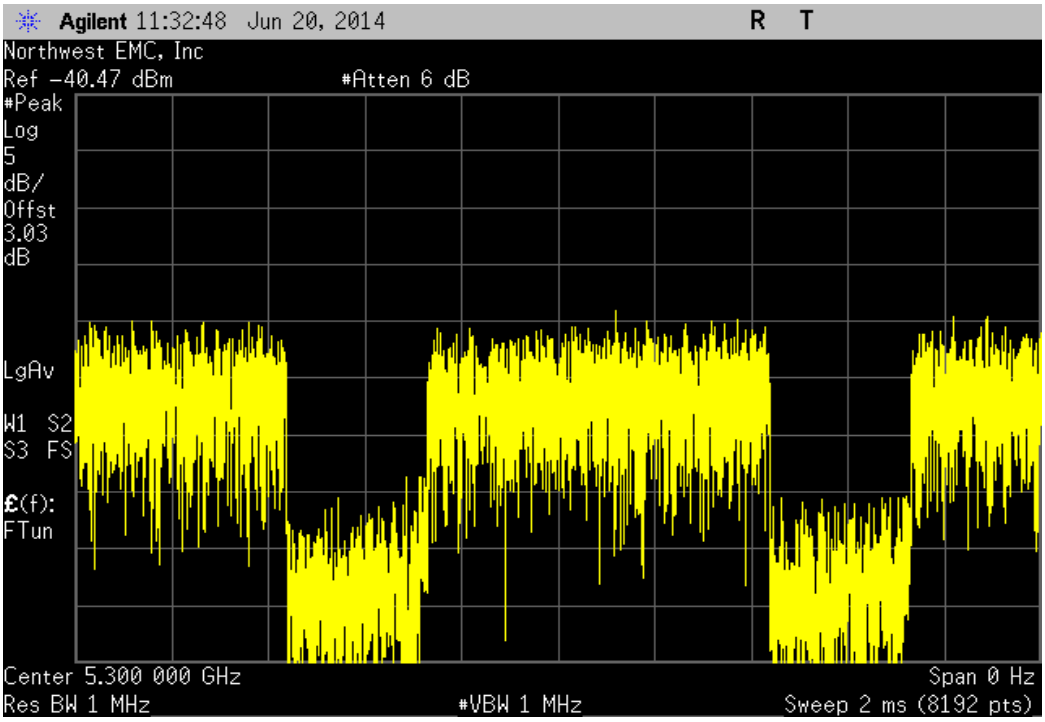
None

Configuration #	4	Signature

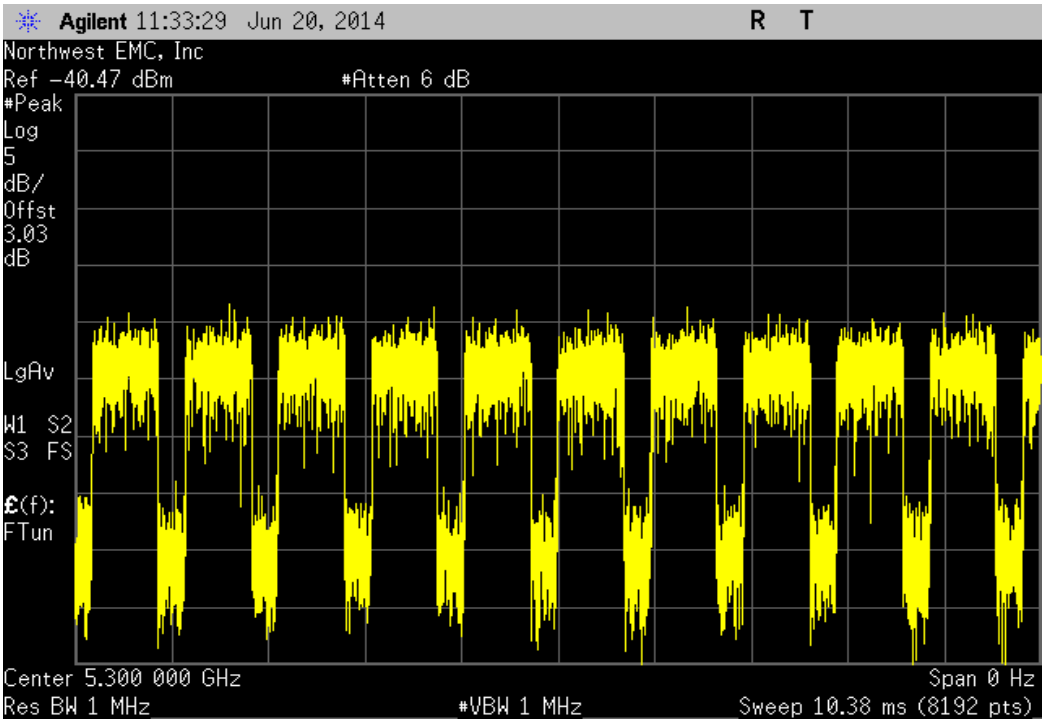
	Value	Limit	Result
Working Radio			
5300 MHz			
48kHz Sampling Frequency			
2mS	N/A	N/A	N/A
10mS	N/A	N/A	N/A
25mS	N/A	N/A	N/A
100mS	N/A	N/A	N/A
10Sec	N/A	N/A	N/A
96kHz Sampling Frequency			
2mS	N/A	N/A	N/A
10mS	N/A	N/A	N/A
25mS	N/A	N/A	N/A
100mS	N/A	N/A	N/A
10Sec	N/A	N/A	N/A

Channel Loading/Channel Utilization - Working Radio

Working Radio, 5300 MHz , 48kHz Sampling Frequency, 2mS							
					Value	Limit	Result
					N/A	N/A	N/A

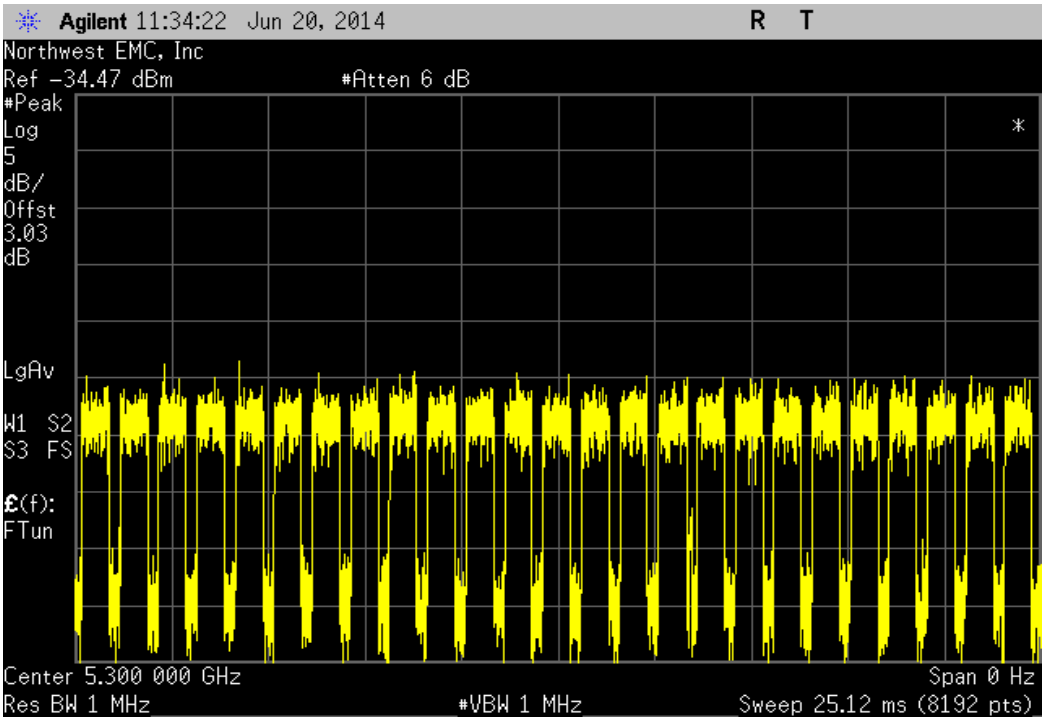


Working Radio, 5300 MHz , 48kHz Sampling Frequency, 10mS							
					Value	Limit	Result
					N/A	N/A	N/A

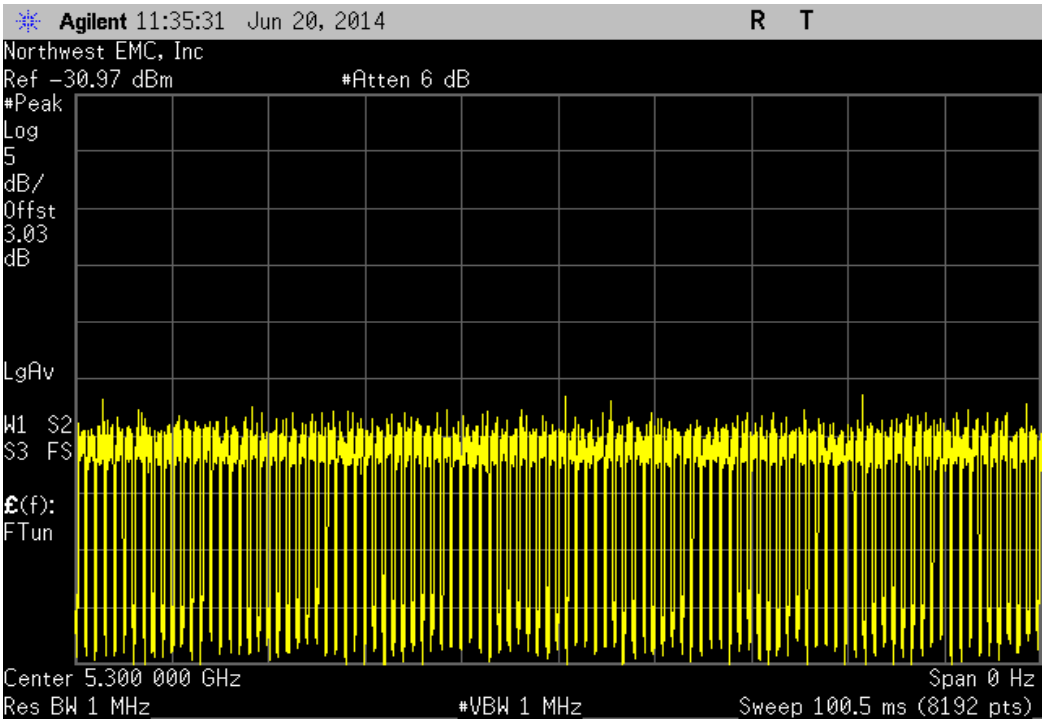


Channel Loading/Channel Utilization - Working Radio

Working Radio, 5300 MHz , 48kHz Sampling Frequency, 25mS							
					Value	Limit	Result
					N/A	N/A	N/A

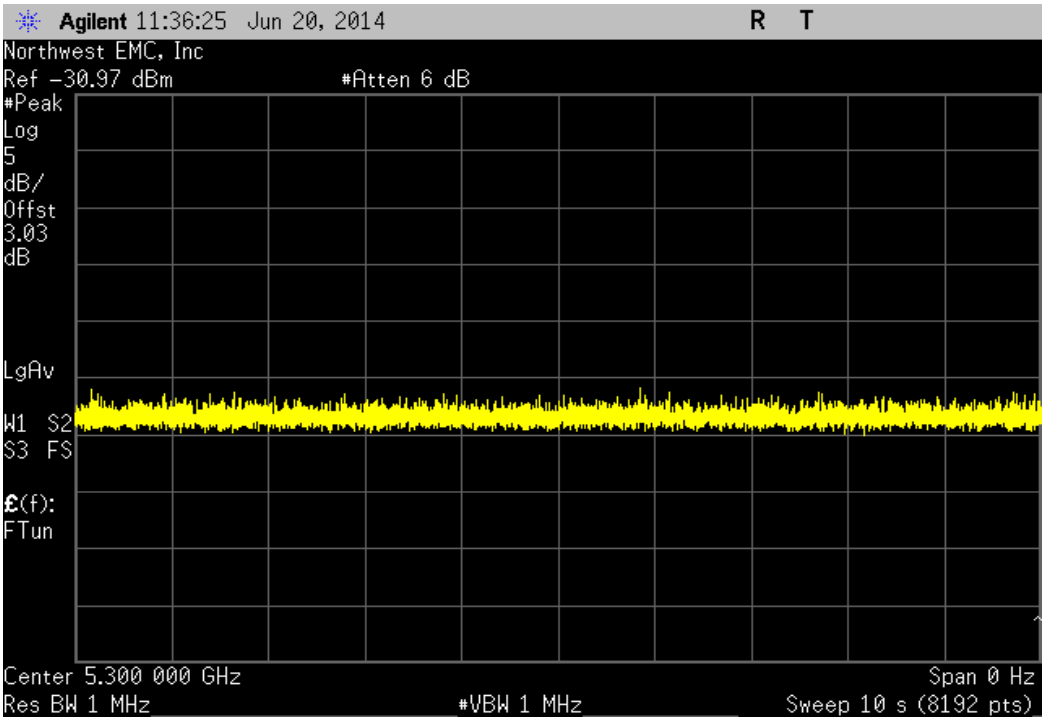


Working Radio, 5300 MHz , 48kHz Sampling Frequency, 100mS							
					Value	Limit	Result
					N/A	N/A	N/A

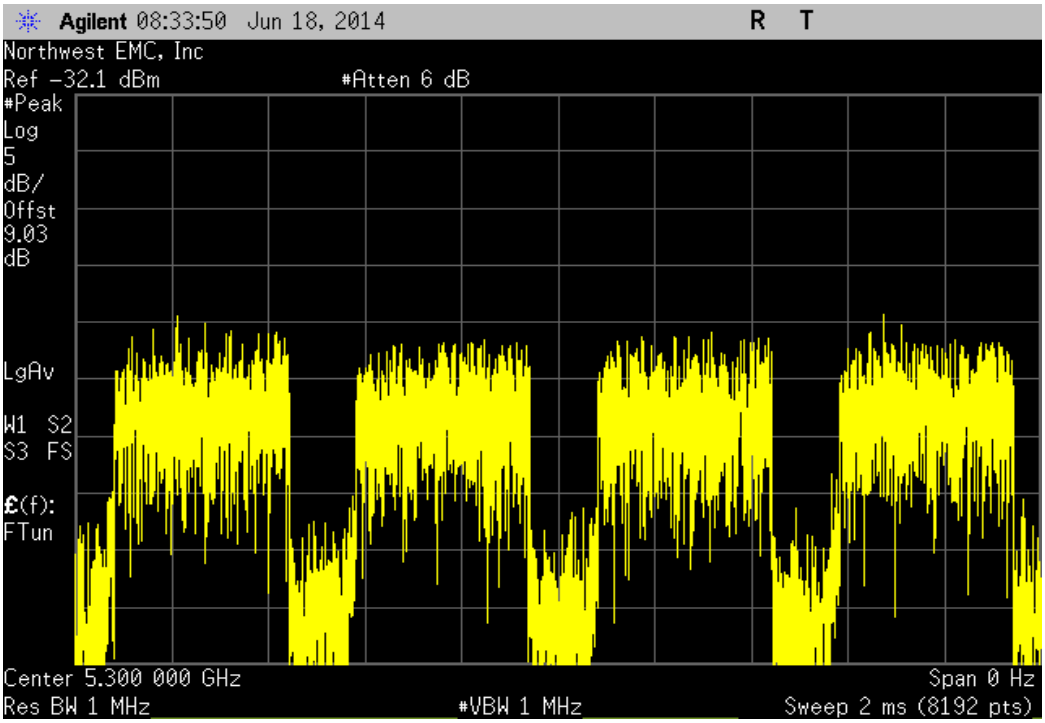


Channel Loading/Channel Utilization - Working Radio

Working Radio, 5300 MHz , 48kHz Sampling Frequency, 10Sec							
					Value	Limit	Result
					N/A	N/A	N/A

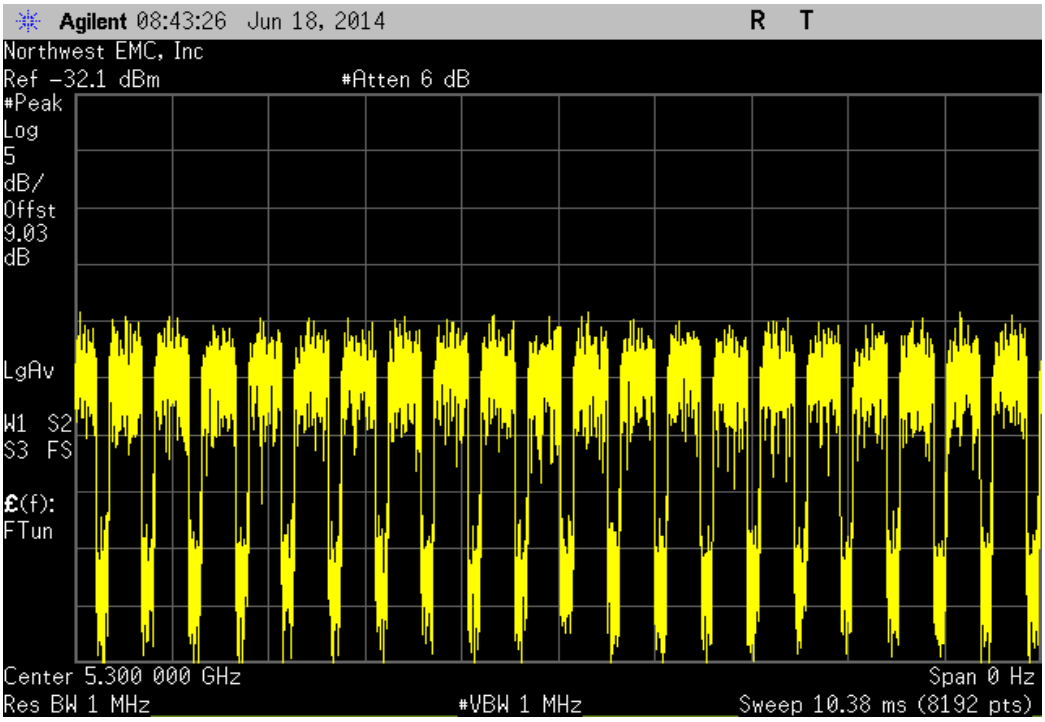


Working Radio, 5300 MHz , 96kHz Sampling Frequency, 2mS							
					Value	Limit	Result
					N/A	N/A	N/A

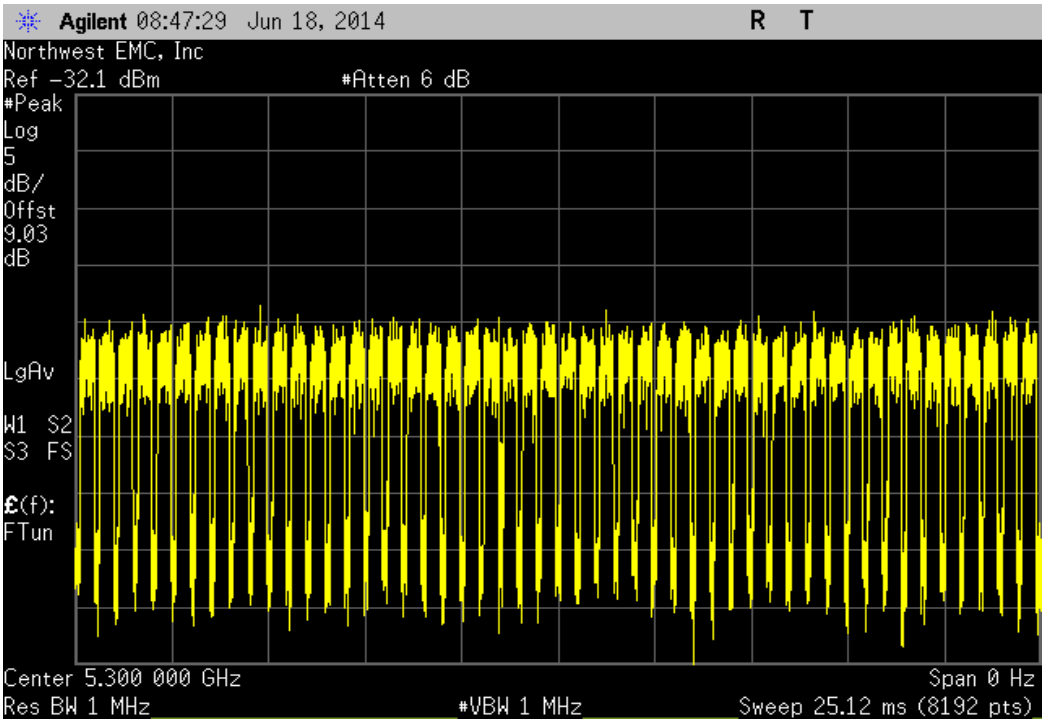


Channel Loading/Channel Utilization - Working Radio

Working Radio, 5300 MHz , 96kHz Sampling Frequency, 10mS							
					Value	Limit	Result
					N/A	N/A	N/A

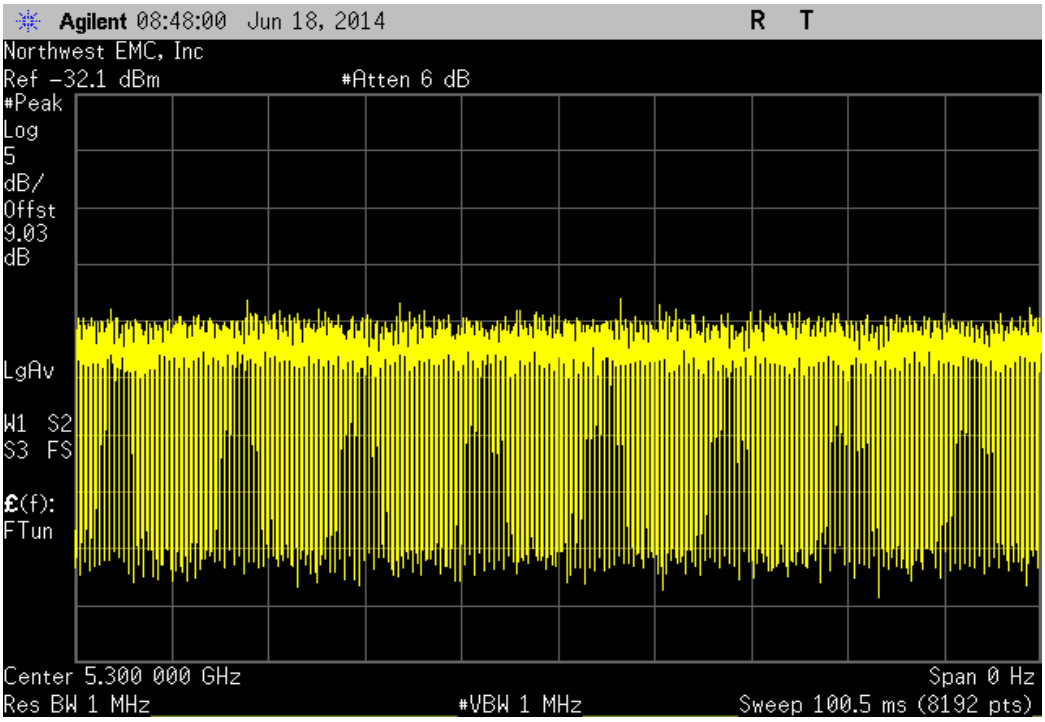


Working Radio, 5300 MHz , 96kHz Sampling Frequency, 25mS							
					Value	Limit	Result
					N/A	N/A	N/A

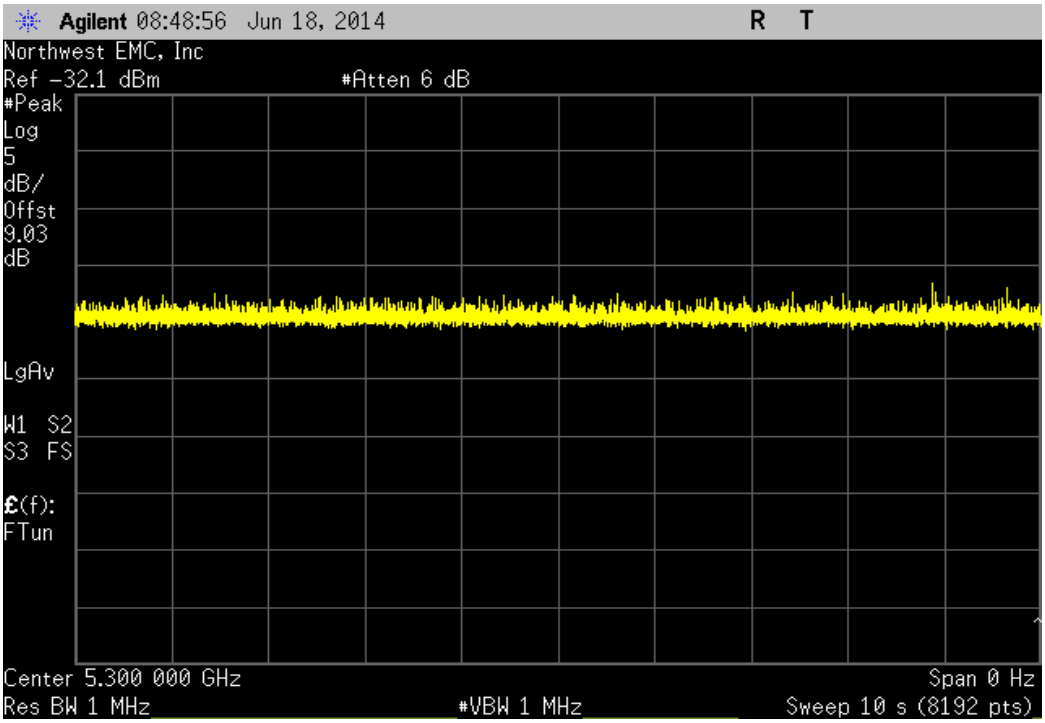


Channel Loading/Channel Utilization - Working Radio

Working Radio, 5300 MHz , 96kHz Sampling Frequency, 100mS							
					Value	Limit	Result
					N/A	N/A	N/A

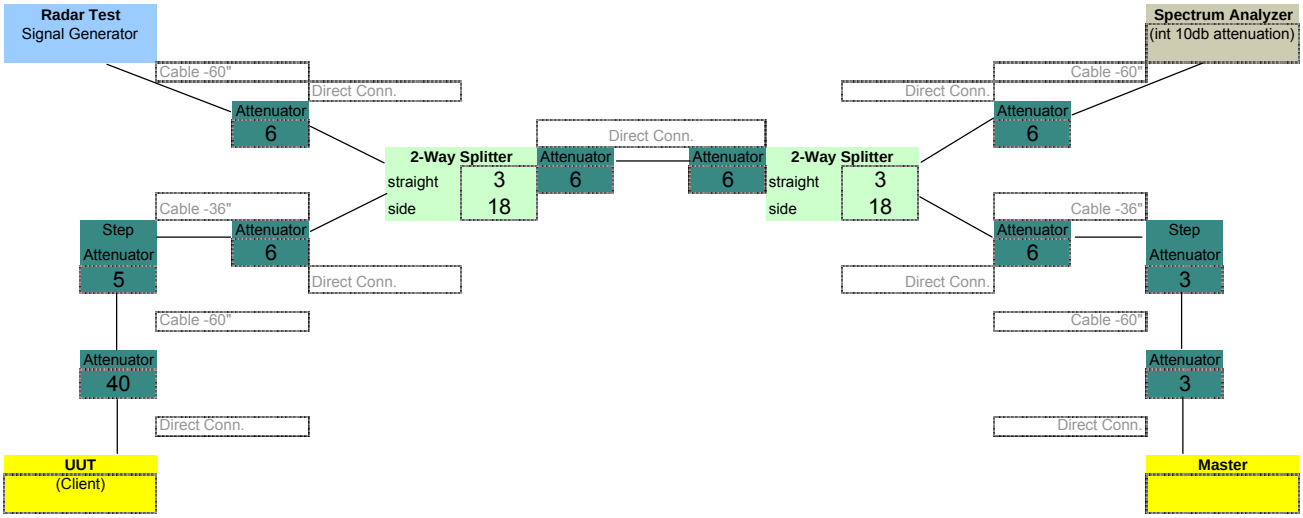


Working Radio, 5300 MHz , 96kHz Sampling Frequency, 10Sec							
					Value	Limit	Result
					N/A	N/A	N/A



Channel Loading/Channel Utilization - Working Radio

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Move Time - Working Radio

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	24
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	5/28/2014	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. Where required, an approved Media file was streamed through the master and client or an alternative method to load the channel may be used instead. Configuration and status of the master and client devices were monitored. The Move Time test was performed by starting a transmission between the Master and Slave device, and then injecting the appropriate radar signals and making sure both the Master and Slave device vacate the DFS channel within the time specified by the standard.

Move Time - Working Radio

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/20/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

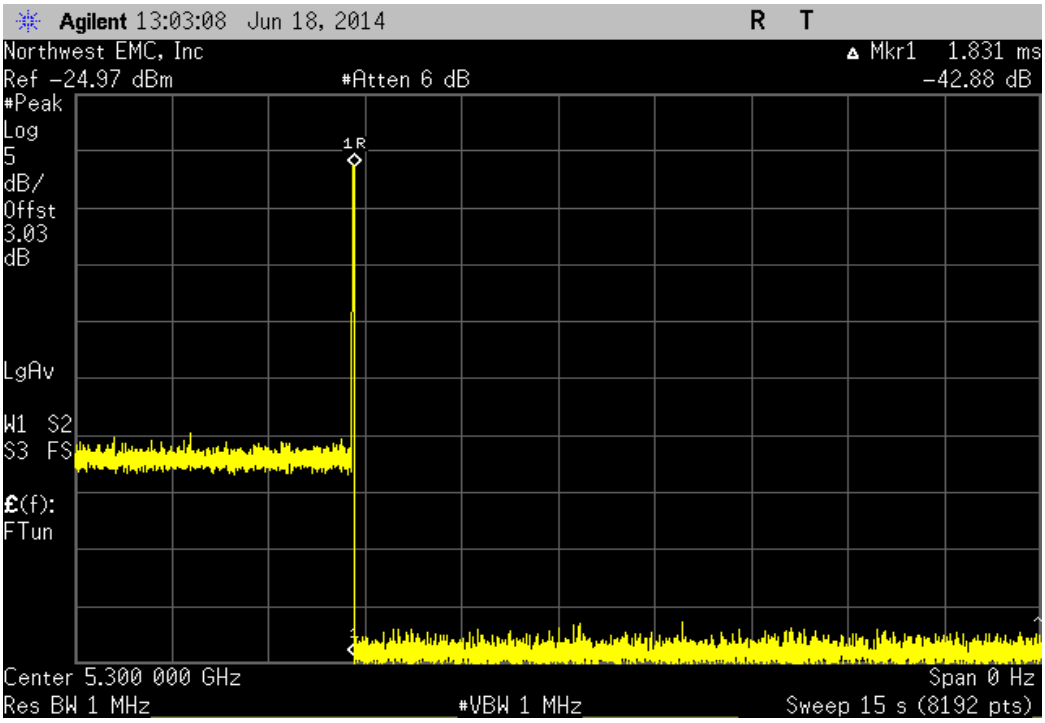
None

Configuration #	4	Signature

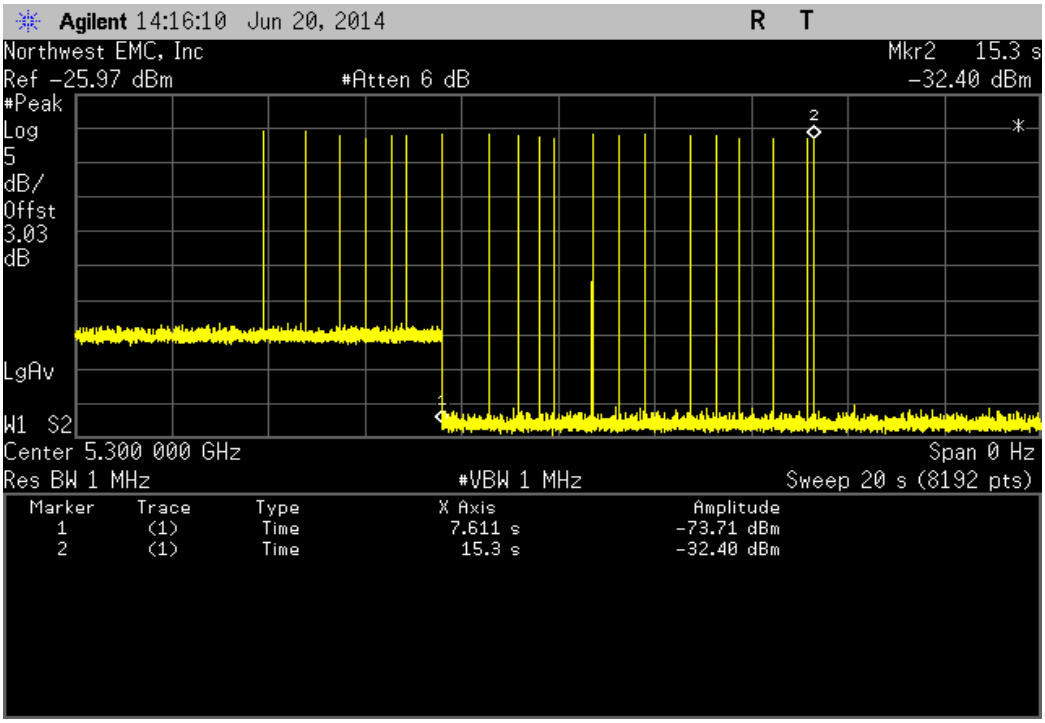
			Comments	Value	Limit	Result
Working Radio						
	5300 MHz					
		48kHz Sampling Frequency				
		Short Pulse Radar 1		.002 Sec	≤10 Sec	PASS
		Long Pulse Radar 5	Data transmission closed before the radar waveform finished	0 Sec	≤10 Sec	PASS
		96kHz Sampling Frequency				
		Short Pulse Radar 1		.002 Sec	≤10 Sec	PASS
		Long Pulse Radar 5	Data transmission closed before the radar waveform finished	0 Sec	≤10 Sec	PASS

Move Time - Working Radio

Working Radio, 5300 MHz , 48kHz Sampling Frequency, Short Pulse Radar 1			
Comments	**Value**	**Limit**	**Result**
	.002 Sec	≤10 Sec	PASS

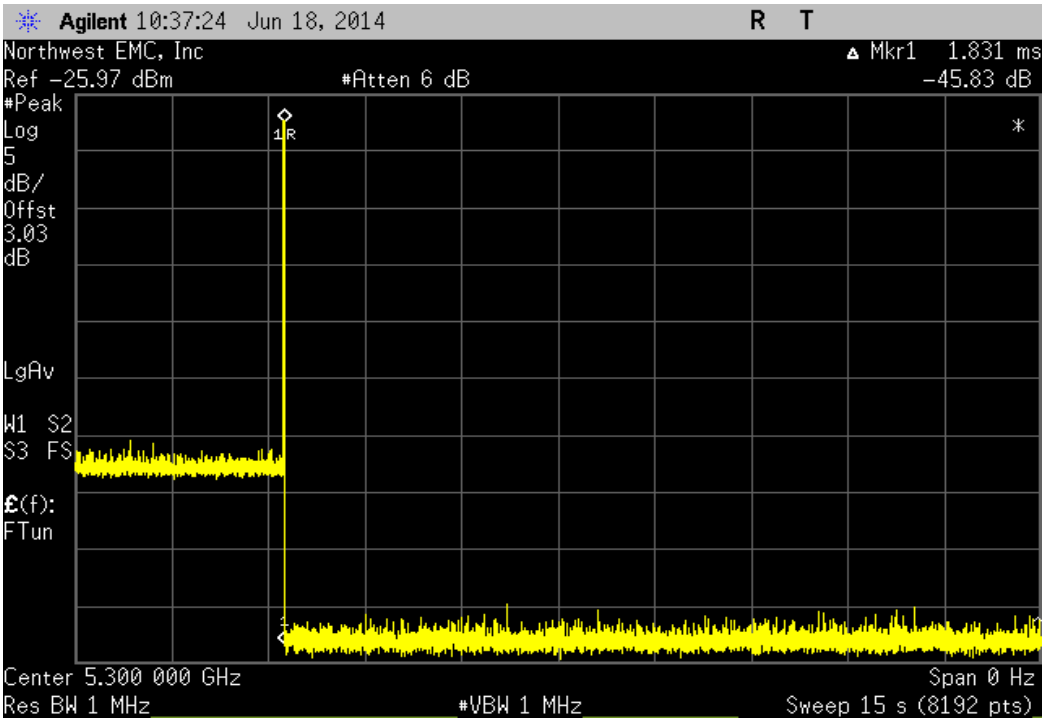


Working Radio, 5300 MHz , 48kHz Sampling Frequency, Long Pulse Radar 5			
Comments	**Value**	**Limit**	**Result**
Data transmission closed before the radar waveform finished	0 Sec	≤10 Sec	PASS

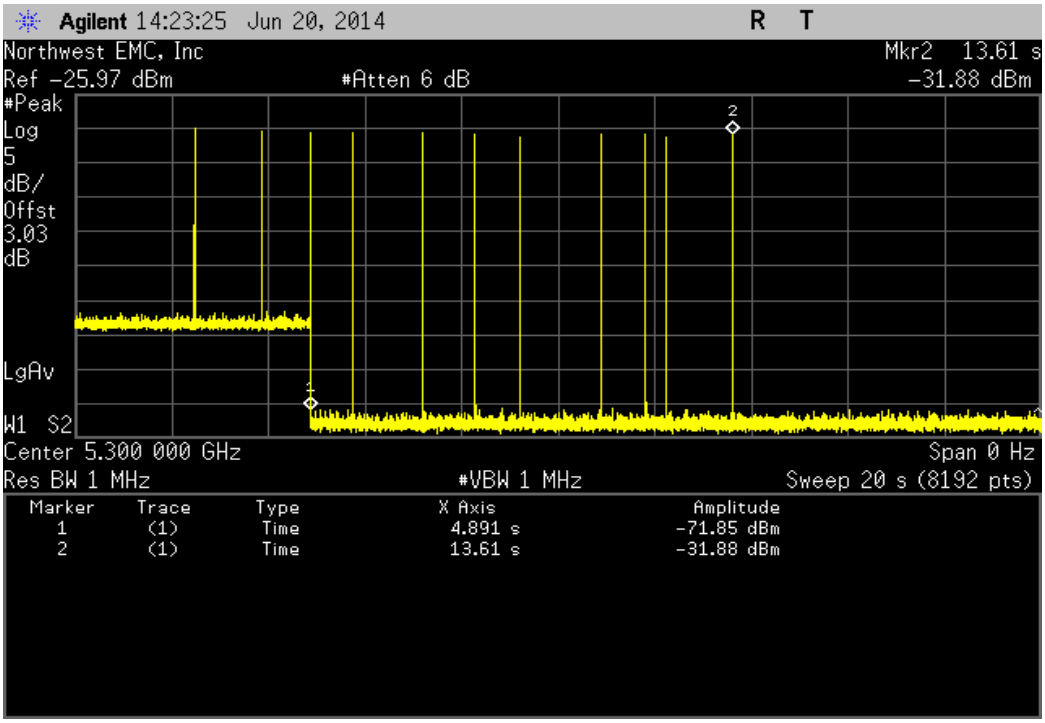


Move Time - Working Radio

Working Radio, 5300 MHz , 96kHz Sampling Frequency, Short Pulse Radar 1			
Comments	**Value**	**Limit**	**Result**
	.002 Sec	≤10 Sec	PASS

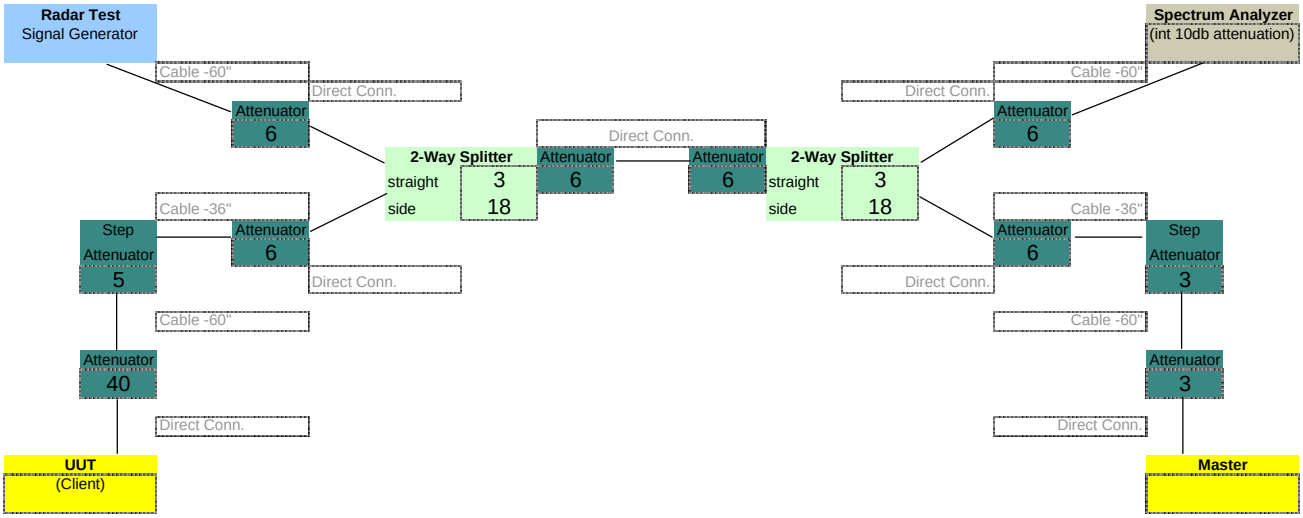


Working Radio, 5300 MHz , 96kHz Sampling Frequency, Long Pulse Radar 5			
Comments	**Value**	**Limit**	**Result**
Data transmission closed before the radar waveform finished	0 Sec	≤10 Sec	PASS



Move Time - Working Radio

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Closing Time - Working Radio

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	24
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	5/28/2014	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. Where required, an approved Media file was streamed through the master and client or an alternative method to load the channel may be used instead. Configuration and status of the master and client devices were monitored. The Closing Time test was performed by starting a transmission between the Master and Client device, and then injecting the appropriate radar signals. All transmission signals between the Master and Client in the first 200mS are allowed. After this time period, the number of transmissions signals are counted and multiplied by the pulse width value. This aggregate is then added to the 200mS allowance for the final value.

Closing Time - Working Radio

EUT:	444-2251	**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D	**Date:**	06/20/14
Customer:	Summit Semiconductor LLC	**Temperature:**	23.8°C
Attendees:	David Schilling	**Humidity:**	42%
Project:	None	**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:** 110VAC/60Hz	**Job Site:** EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

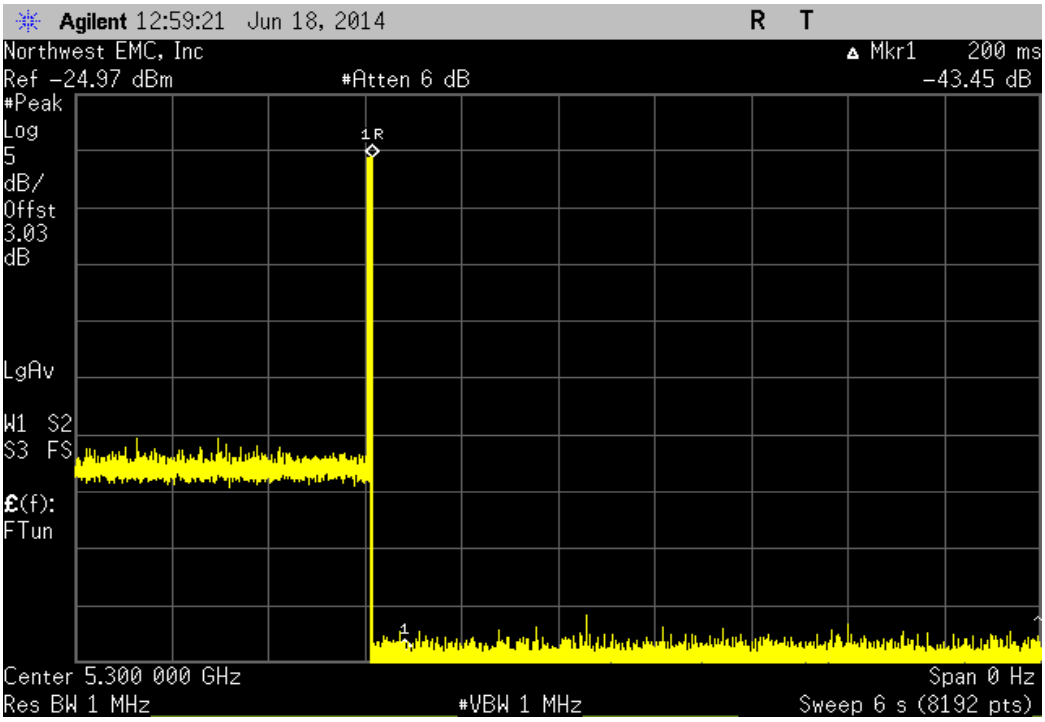
None

Configuration #	4	Signature

	# of Signals	Pulse Width	Value	Limit	Result
Working Radio					
5300 MHz					
48kHz Sampling Frequency					
Radar 1 200mS			200 mS	200 mS	N/A
Radar 1 Aggregate	0	N/A	200 mS	260 mS	PASS
Radar 5 200mS	The data transmission closed before the radar waveform finished		0 mS	200 mS	N/A
Radar 5 Aggregate	0	N/A	0 mS	260 mS	PASS
96kHz Sampling Frequency					
Radar 1 200mS			200 mS	200 mS	N/A
Radar 1 Aggregate	0	N/A	200 mS	260 mS	PASS
Radar 5 200mS	The data transmission closed before the radar waveform finished		0 mS	200 mS	N/A
Radar 5 Aggregate	0	N/A	0 mS	260 mS	PASS

Closing Time - Working Radio

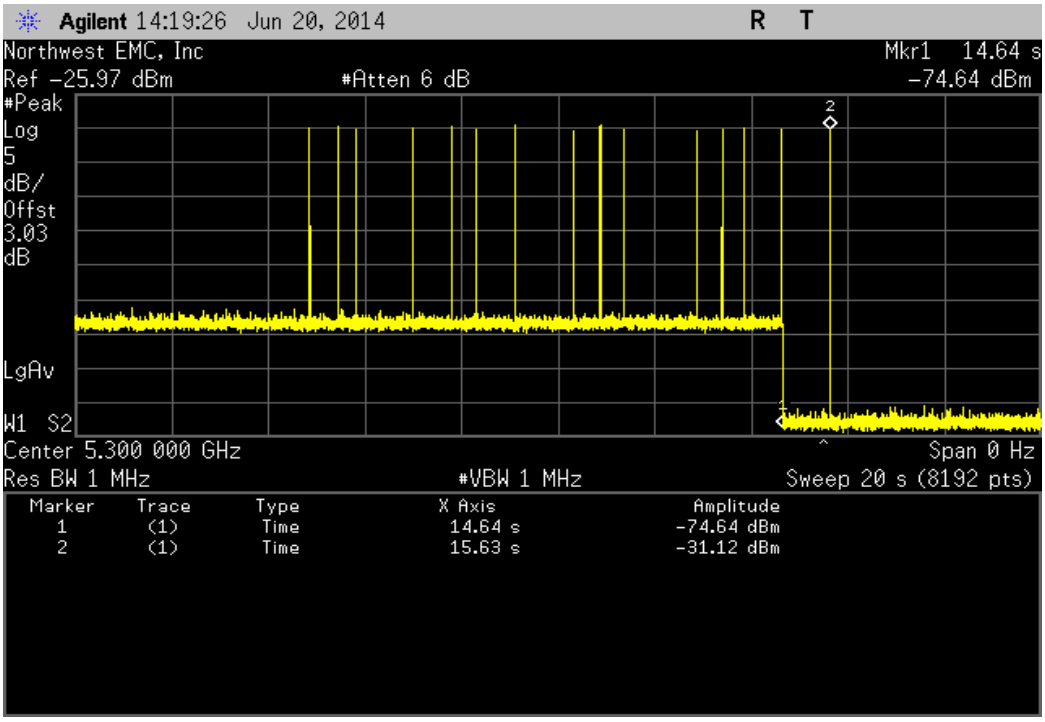
Working Radio, 5300 MHz , 48kHz Sampling Frequency, Radar 1 200mS						
# of Signals		Pulse Width		Value	Limit	Result
				200 mS	200 mS	N/A



Working Radio, 5300 MHz , 48kHz Sampling Frequency, Radar 1 Aggregate						
# of Signals		Pulse Width		Value	Limit	Result
0		N/A		200 mS	260 mS	PASS

Closing Time - Working Radio

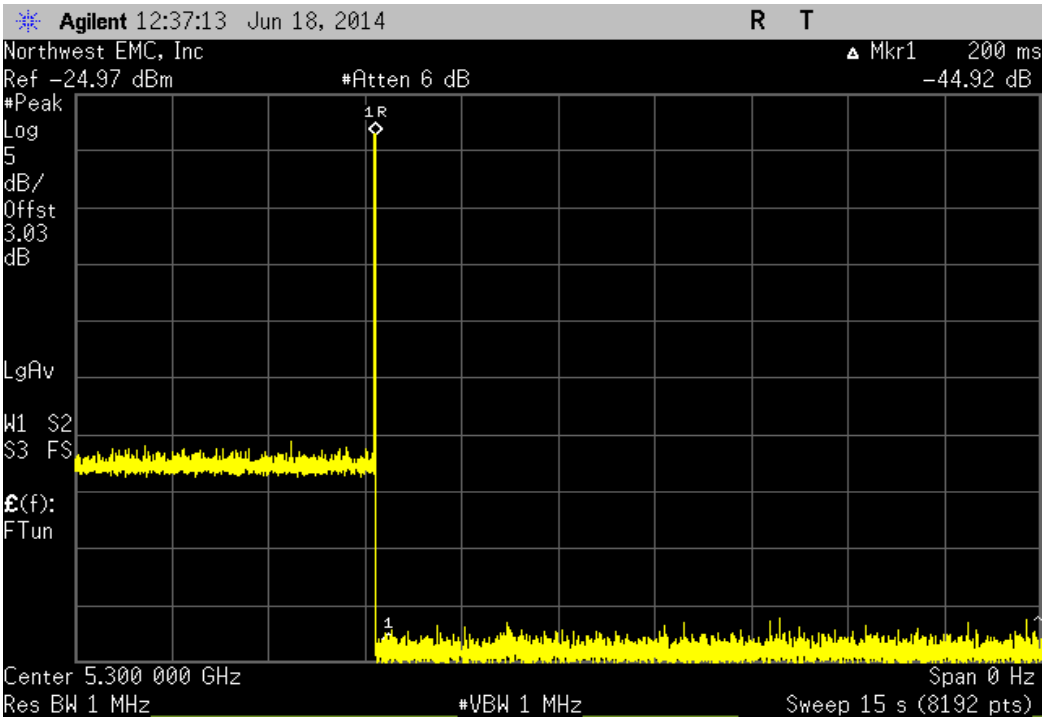
Working Radio, 5300 MHz , 48kHz Sampling Frequency, Radar 5 200mS				
# of Signals	**Pulse Width**	**Value**	**Limit**	**Result**
The data transmission closed before the radar waveform finished		0 mS	200 mS	N/A



Working Radio, 5300 MHz , 48kHz Sampling Frequency, Radar 5 Aggregate						
# of Signals		**Pulse Width**		**Value**	**Limit**	**Result**
0		N/A		0 mS	260 mS	PASS

Closing Time - Working Radio

Working Radio, 5300 MHz , 96kHz Sampling Frequency, Radar 1 200mS						
# of Signals		**Pulse Width**		**Value**	**Limit**	**Result**
				200 mS	200 mS	N/A

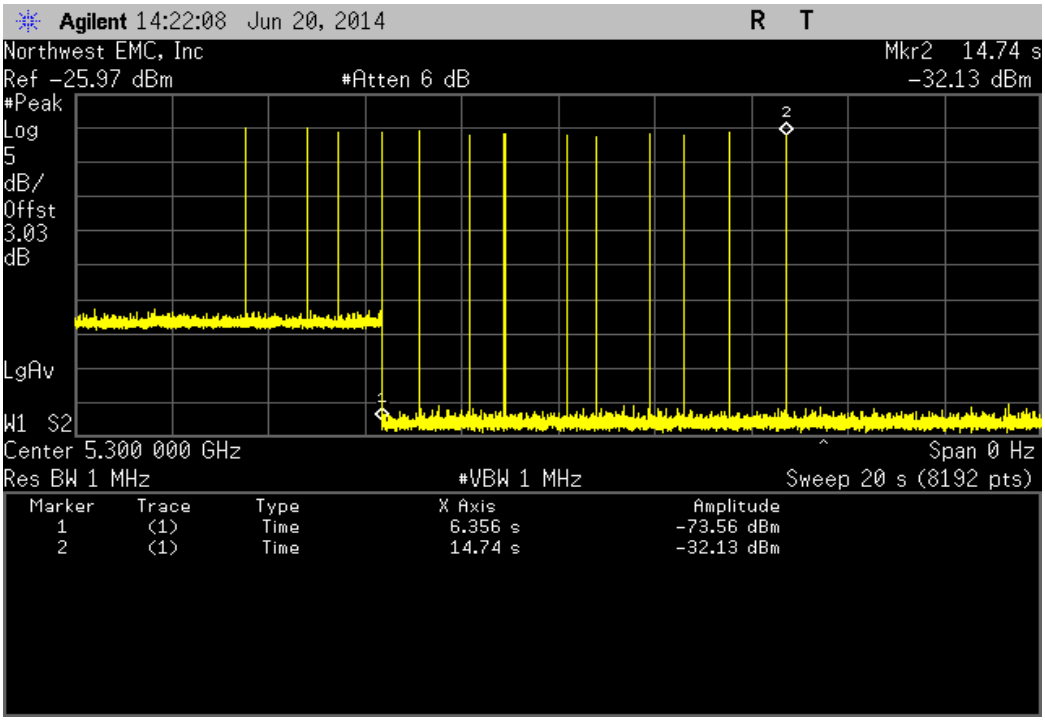


Working Radio, 5300 MHz , 96kHz Sampling Frequency, Radar 1 Aggregate						
# of Signals		**Pulse Width**		**Value**	**Limit**	**Result**
0		N/A		200 mS	260 mS	PASS

Closing Time - Working Radio

Working Radio, 5300 MHz , 96kHz Sampling Frequency, Radar 5 200mS

# of Signals	Pulse Width	Value	Limit	Result
The data transmission closed before the radar waveform finished		0 mS	200 mS	N/A

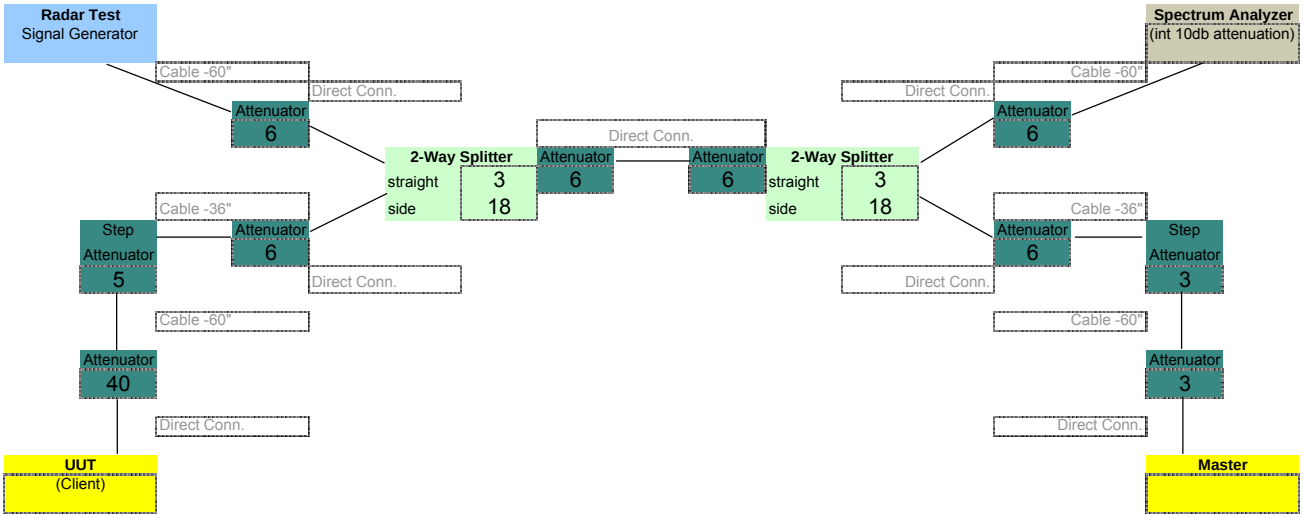


Working Radio, 5300 MHz , 96kHz Sampling Frequency, Radar 5 Aggregate

# of Signals		Pulse Width		Value	Limit	Result
0		N/A		0 mS	260 mS	PASS

Closing Time - Working Radio

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Non Occupancy Period - Working Radio

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	24
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	5/28/2014	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. Where required, an approved Media file was streamed through the master and client or an alternative method to load the channel may be used instead. Configuration and status of the master and client devices were monitored. The Move Time test was performed by starting a transmission between the Master and Slave device, and then injecting the appropriate radar signals and making sure both the Master and Slave device vacate the DFS channel within the time specified by the standard.

Non Occupancy Period - Working Radio

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/20/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

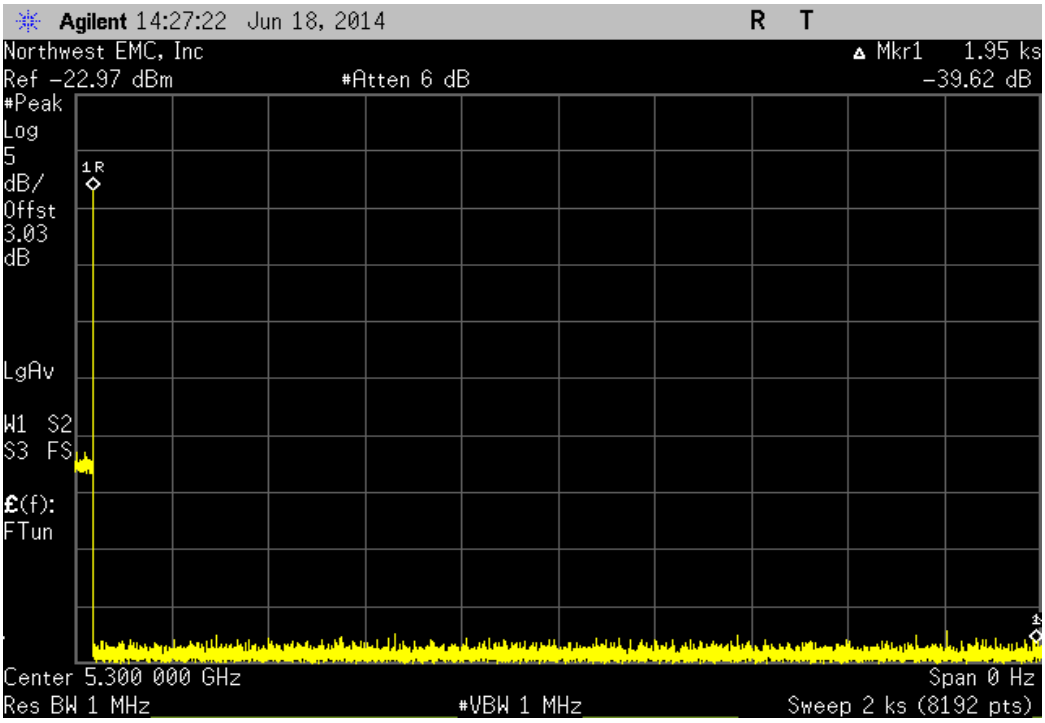
None

Configuration #	4	Signature

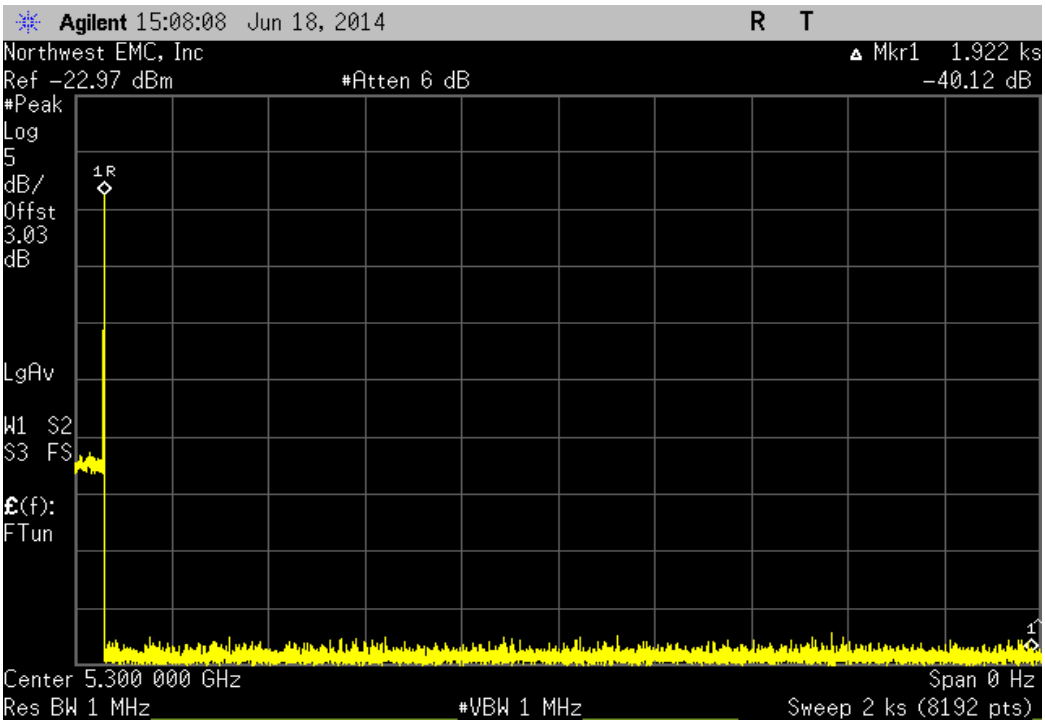
			Value	Limit	Result
Working Radio					
	5300 MHz				
		48kHz Sampling Frequency			
		30min Non Occupancy Period	> 30min	30min	PASS
		96kHz Sampling Frequency			
		30min Non Occupancy Period	> 30min	30min	PASS

Non Occupancy Period - Working Radio

Working Radio, 5300 MHz , 48kHz Sampling Frequency, 30min Non Occupancy Period							
					Value	Limit	Result
					> 30min	30min	PASS

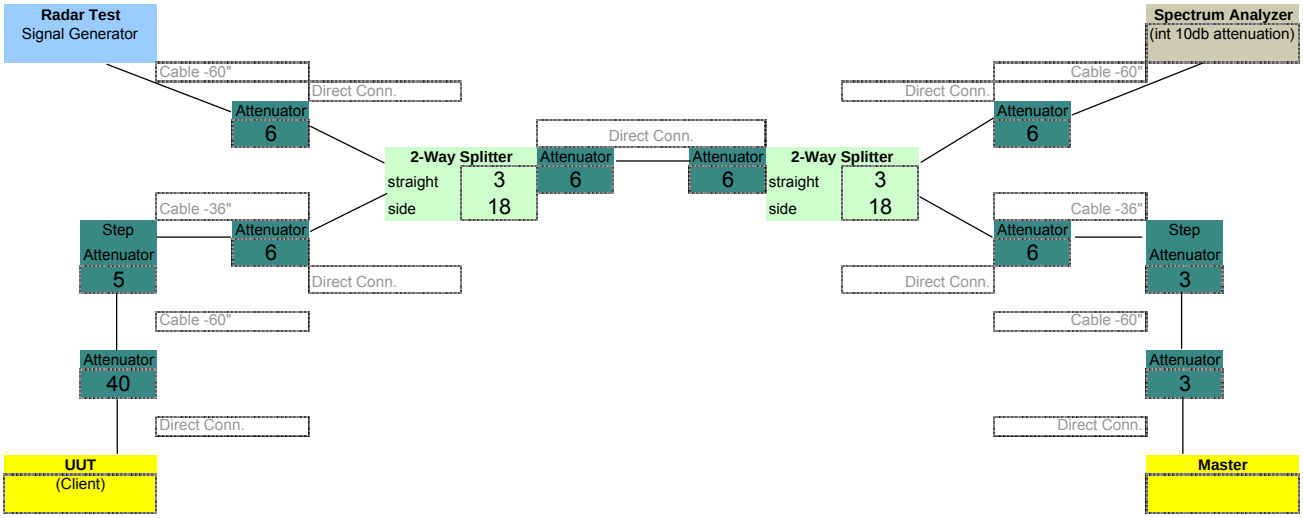


Working Radio, 5300 MHz , 96kHz Sampling Frequency, 30min Non Occupancy Period							
					Value	Limit	Result
					> 30min	30min	PASS



Non Occupancy Period - Working Radio

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Channel Availability Check - Monitor Radio

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	12
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	5/28/2014	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored.

An approved media file was streamed through the master and client system after a 60 second Channel Availability Check was performed by the UUT. A spectrum analyzer was used with the following specifications as described in the KDB testing procedures:

RBW: 1MHz

VBW: 3MHz

Span: Zero

Sweep Time: ≥ 2.5 min (as specified by the test procedure)

The configuration and status of the master and client system was monitored for the initial 60 second start up time and for 2.5 minutes at the beginning and end of the Channel Availability Check time period following a radar burst. As fully described earlier in this report, the measured and verified -62dBm threshold short pulse radar type 1 was used.

Channel Availability Check - Monitor Radio

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/23/14
Customer:	Summit Semiconductor LLC			**Temperature:**	22.7°C
Attendees:	David Schilling			**Humidity:**	44%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

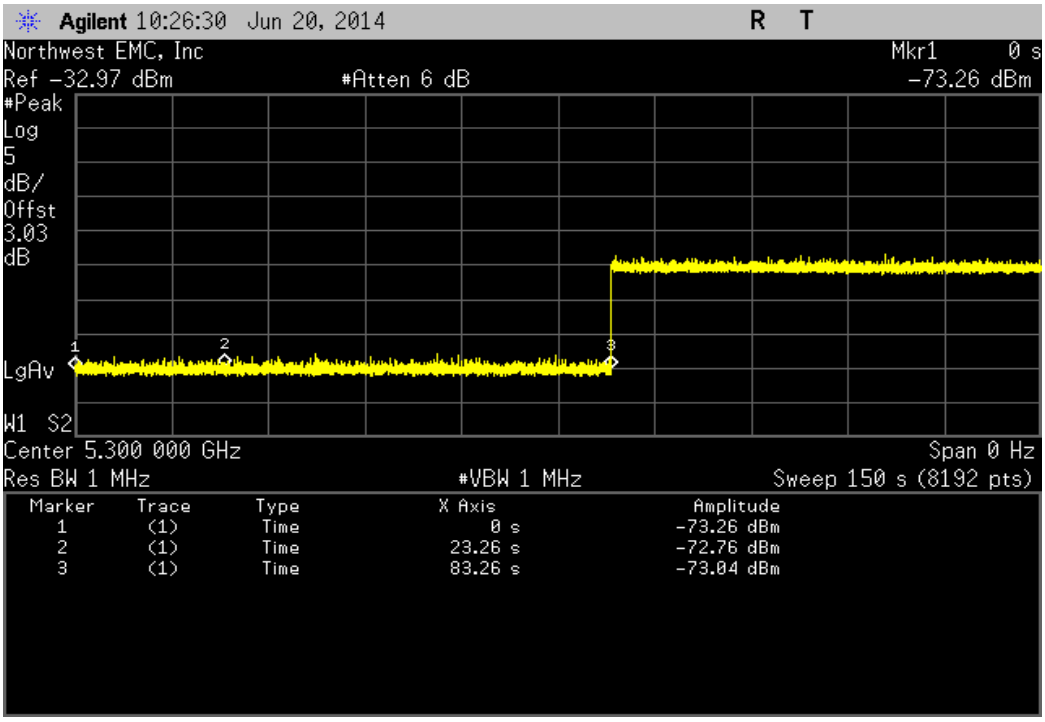
DEVIATIONS FROM TEST STANDARD

None

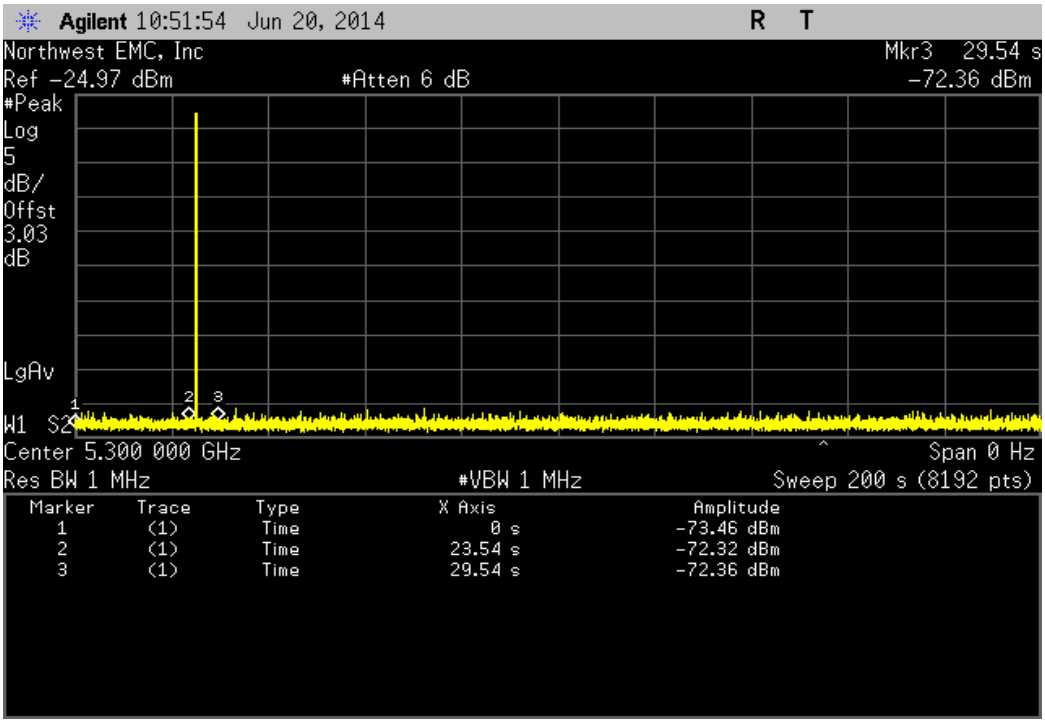
Configuration #	4	Signature

			Value	Limit	Result
Monitor Radio					
	5300 MHz				
		48kHz Sampling Frequency			
		Initial CAC	83.26 Sec	≥ 60 Sec	PASS
		Beginning CAC	> 170 Sec	≥ 150 Sec	PASS
		Ending CAC	> 160 Sec	≥ 150 Sec	PASS
		96kHz Sampling Frequency			
		Initial CAC	77.6 Sec	≥ 60 Sec	PASS
		Beginning CAC	> 170 Sec	≥ 150 Sec	PASS
		Ending CAC	> 160 Sec	≥ 150 Sec	PASS

Working Radio, 5300 MHz , 48kHz Sampling Frequency, Initial CAC							
					Value	Limit	Result
					83.26 Sec	≥ 60 Sec	PASS

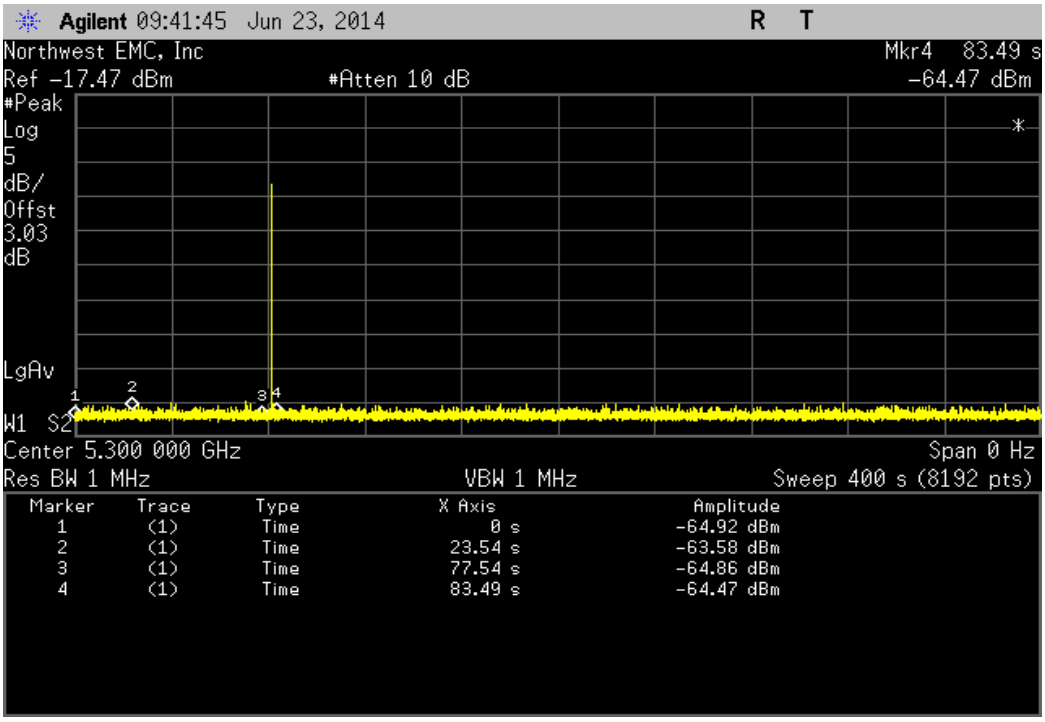


Working Radio, 5300 MHz , 48kHz Sampling Frequency, Beginning CAC							
					Value	Limit	Result
					> 170 Sec	≥ 150 Sec	PASS



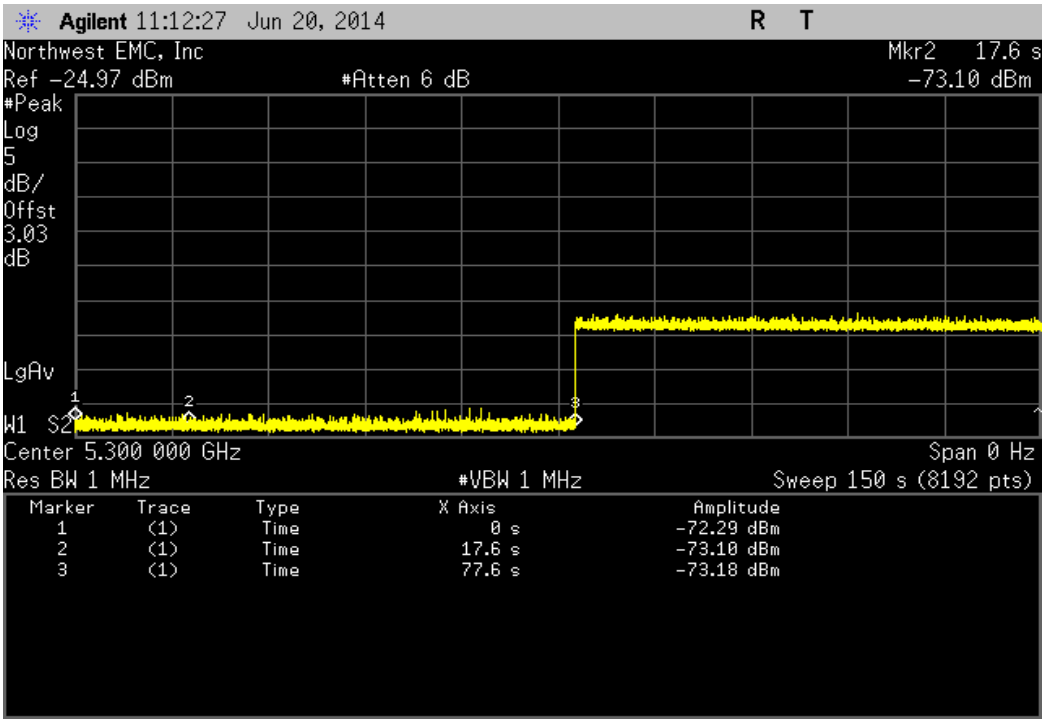
Working Radio, 5300 MHz , 48kHz Sampling Frequency, Ending CAC

				Value	Limit	Result
				> 160 Sec	≥ 150 Sec	PASS



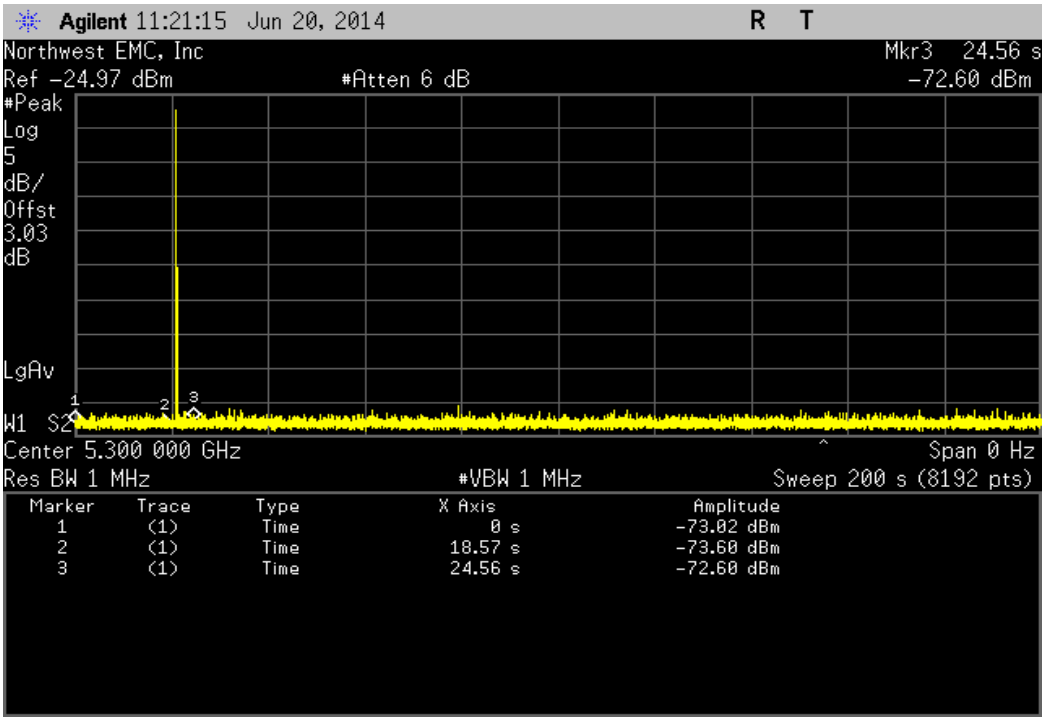
Working Radio, 5300 MHz , 96kHz Sampling Frequency, Initial CAC

				Value	Limit	Result
				77.6 Sec	≥ 60 Sec	PASS



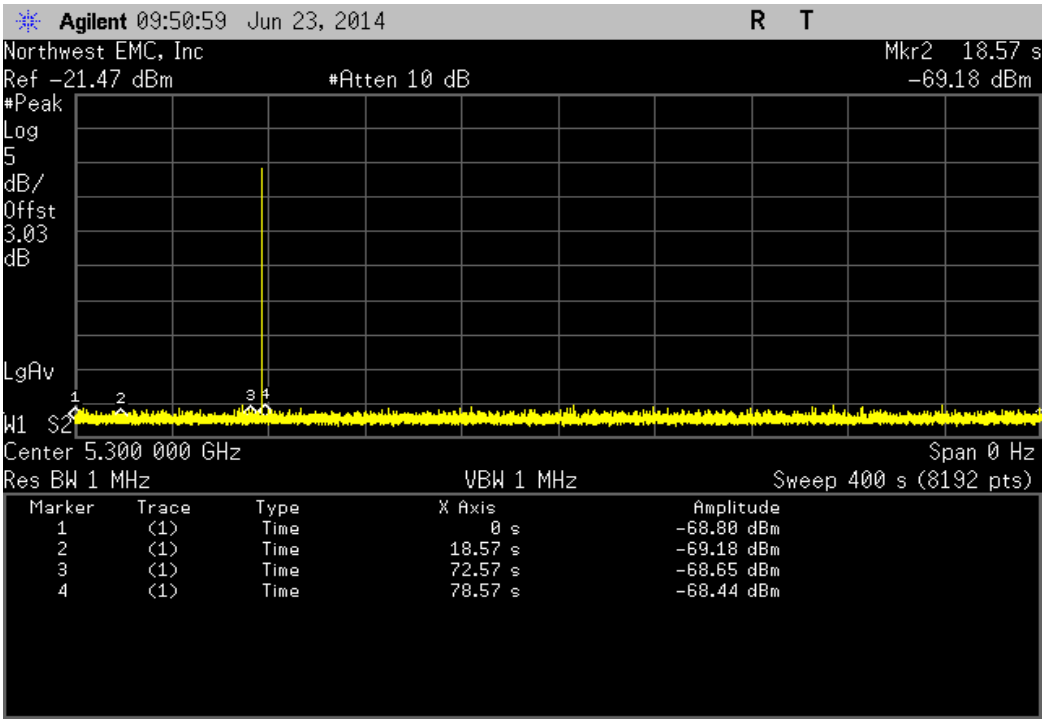
Working Radio, 5300 MHz , 96kHz Sampling Frequency, Beginning CAC

				Value	Limit	Result
				> 170 Sec	≥ 150 Sec	PASS



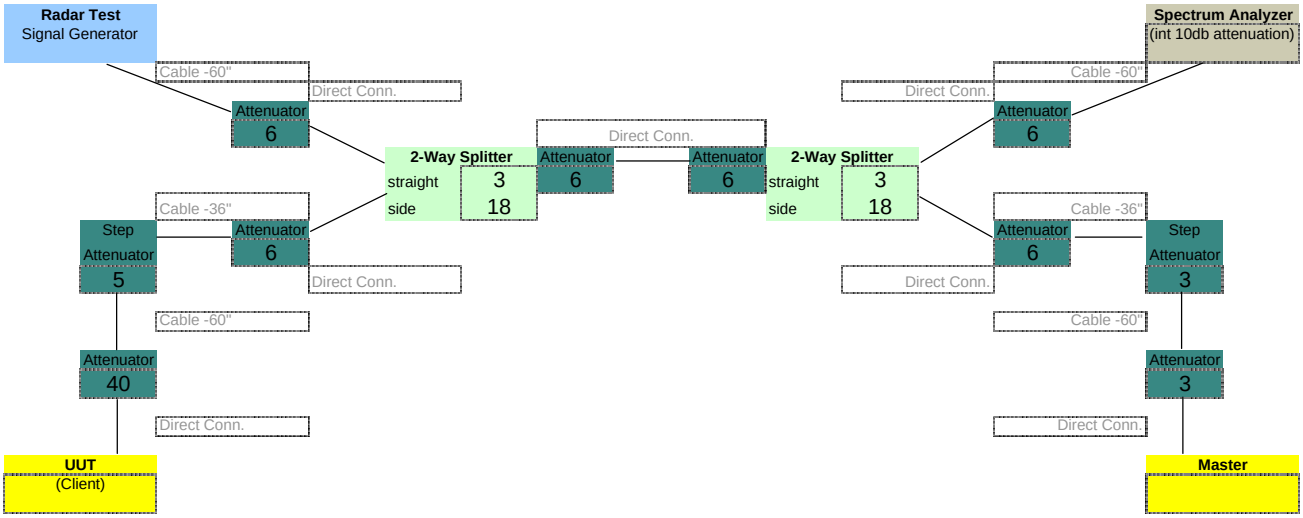
Working Radio, 5300 MHz , 96kHz Sampling Frequency, Ending CAC

				Value	Limit	Result
				> 160 Sec	≥ 150 Sec	PASS



Channel Availability Check - Monitor Radio

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Detection Bandwidth - Monitor Radio

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	12
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	5/28/2014	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored.

The frame based system was set to a 0%/100% (talk/listen) ratio. The system was configured without streaming data. Because the *U-NII Detection Bandwidth* is ≥ to the 99 percent power bandwidth of the UUT, the truncated test method as described in the KDB testing procedure was used.

The calculated *U-NII Detection Bandwidth* used is shown below:

U-NII Detection Bandwidth = F_H - F_L

As fully described earlier in this report, the measured and verified -62dBm threshold short pulse radar type 1 was used to illustrate the detection bandwidth as define in the testing procedure.

Detection Bandwidth - Monitor Radio

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/23/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

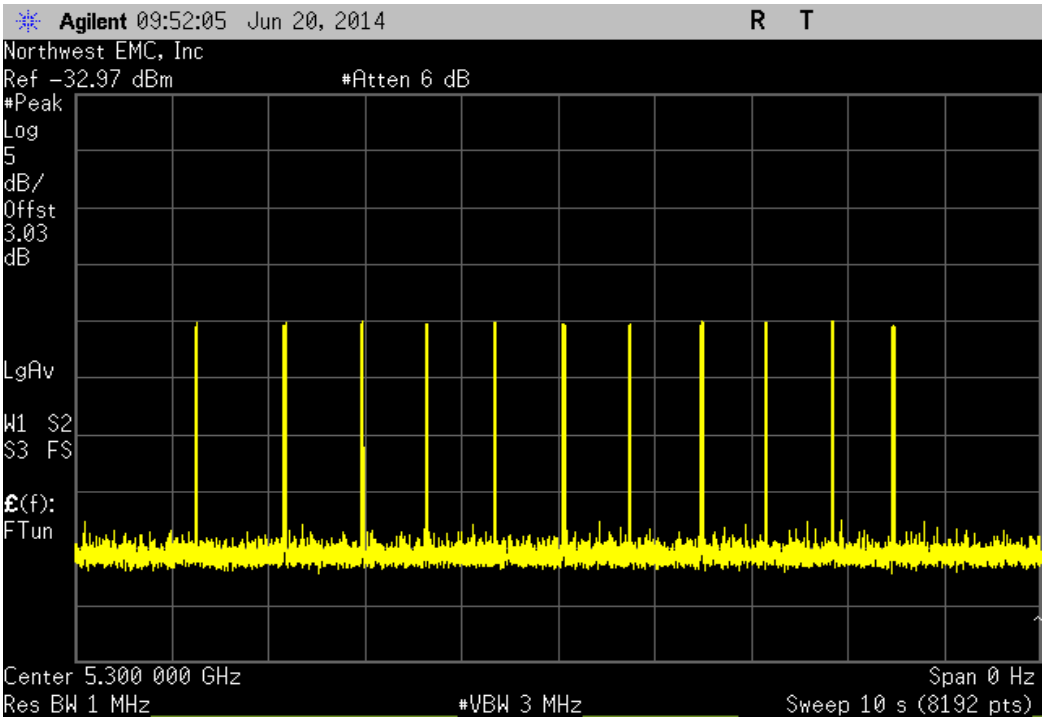
None

Configuration #	4	Signature

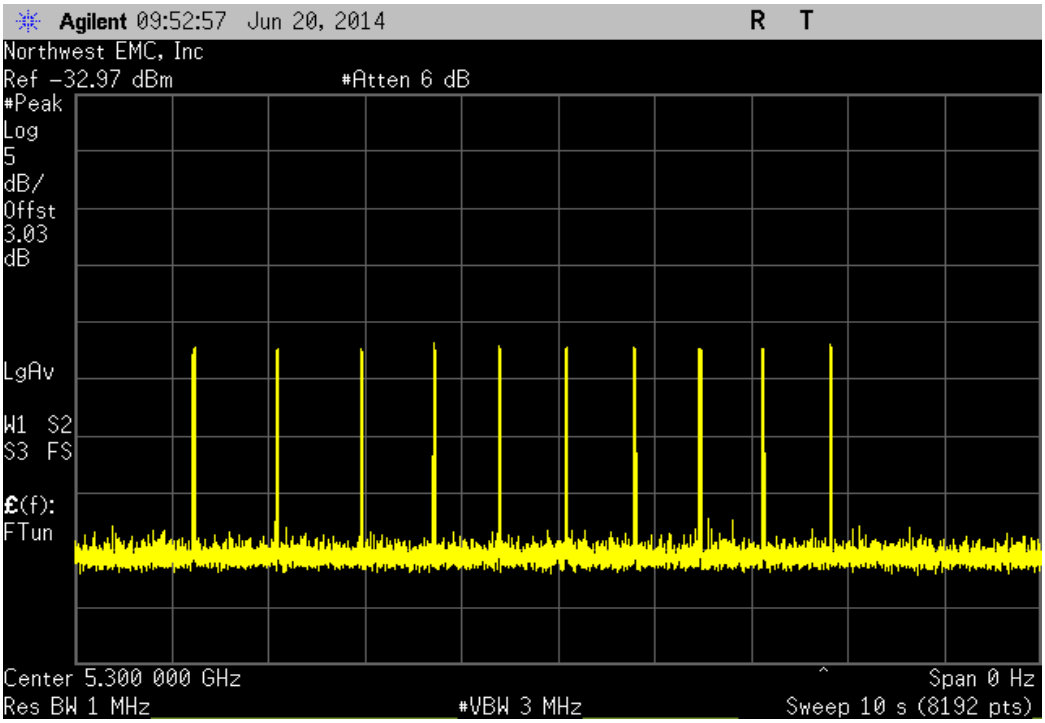
		Value	Limit	Result
Monitor Radio				
	5300 MHz			
	Frequency Low	5290 MHz	N/A	N/A
	Frequency High	5310 MHz	N/A	N/A
	U-NII Dectection Bandwidth	20 MHz	≥ 18 MHz	PASS

Detection Bandwidth - Monitor Radio

Monitor Radio, 5300 MHz , Frequency Low							
					Value	Limit	Result
					5290 MHz	N/A	N/A



Monitor Radio, 5300 MHz , Frequency High							
					Value	Limit	Result
					5310 MHz	N/A	N/A

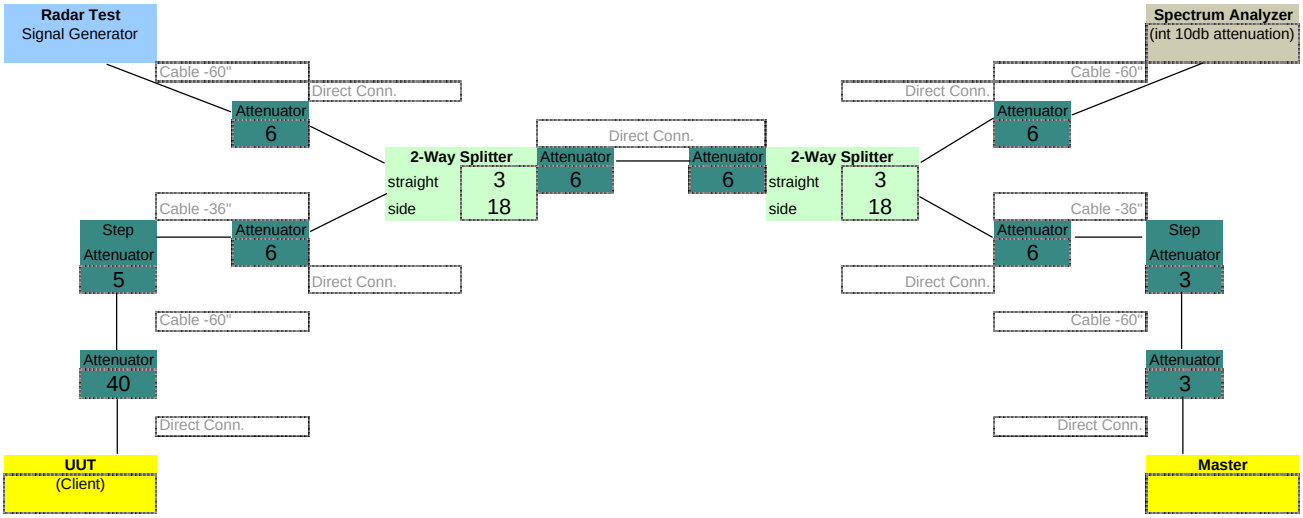


Detection Bandwidth - Monitor Radio

Monitor Radio, 5300 MHz , U-NII Dectection Bandwidth							
					Value	**Limit**	**Result**
					20 MHz	≥ 18 MHz	PASS

Detection Bandwidth - Monitor Radio

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Detection Bandwidth - Working Radio

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
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40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	5/28/2014	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
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Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored.

The frame based system was set to a 0%/100% (talk/listen) ratio. The system was configured without streaming data. Because the *U-NII Detection Bandwidth* is ≥ to the 99 percent power bandwidth of the UUT, the truncated test method as described in the KDB testing procedure was used.

The calculated *U-NII Detection Bandwidth* used is shown below:

U-NII Detection Bandwidth = $F_H - F_L$

As fully described earlier in this report, the measured and verified -62dBm threshold short pulse radar type 1 was used to illustrate the detection bandwidth as define in the testing procedure.

Detection Bandwidth - Working Radio

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/20/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

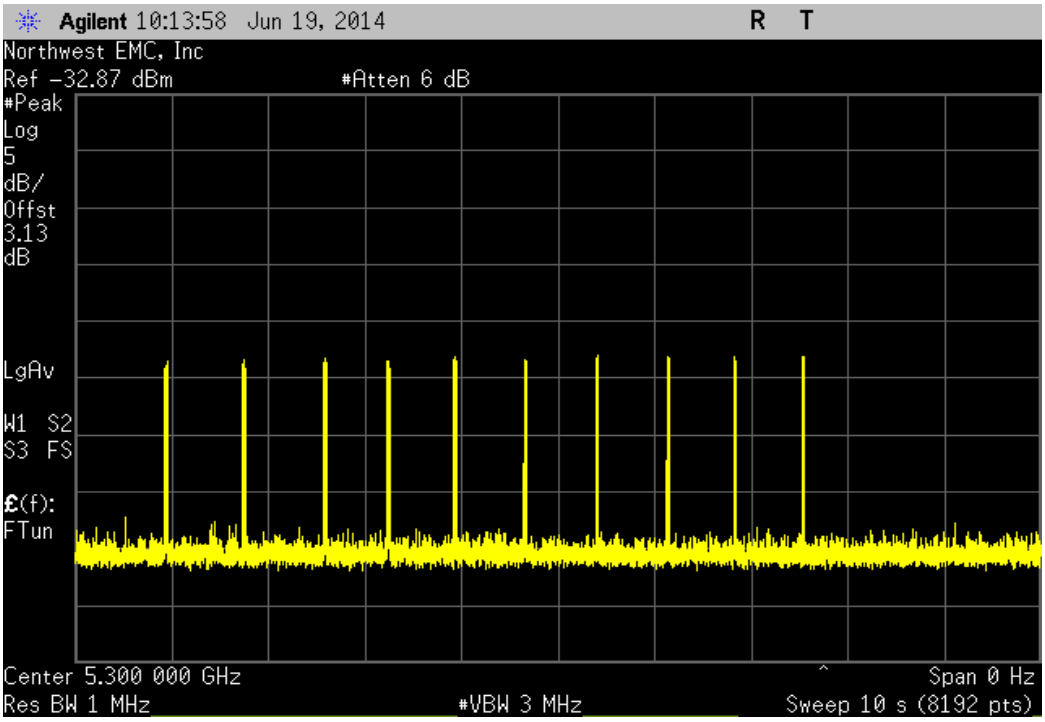
None

Configuration #	4	Signature

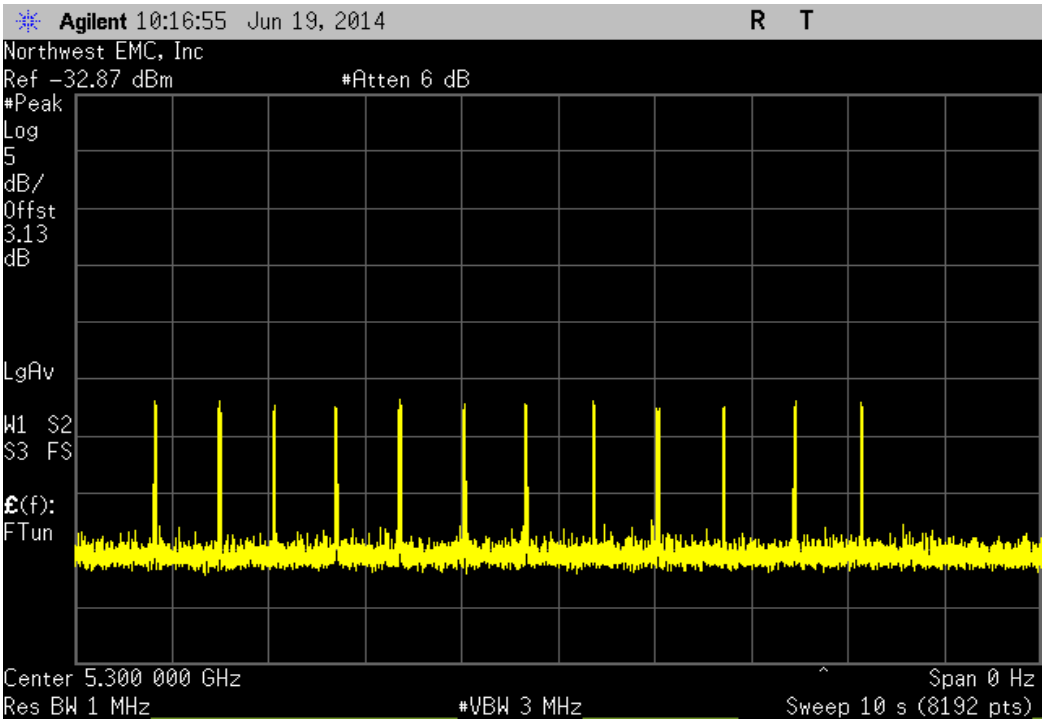
		Detected	Not Detected	% Detected	Value	Limit	Result
Working Radio							
	5300 MHz						
	Frequency Low	10	0	100	5290 MHz	N/A	N/A
	Frequency High	10	0	100	5310	N/A	N/A
	U-NII Dectection Bandwidth				20 MHz	≥ 18 MHz	PASS

Detection Bandwidth - Working Radio

Working Radio, 5300 MHz , Frequency Low						
Detected	**Not Detected**	**% Detected**		**Value**	**Limit**	**Result**
10	0	100		5290 MHz	N/A	N/A



Working Radio, 5300 MHz , Frequency High						
Detected	**Not Detected**	**% Detected**		**Value**	**Limit**	**Result**
10	0	100		5310	N/A	N/A

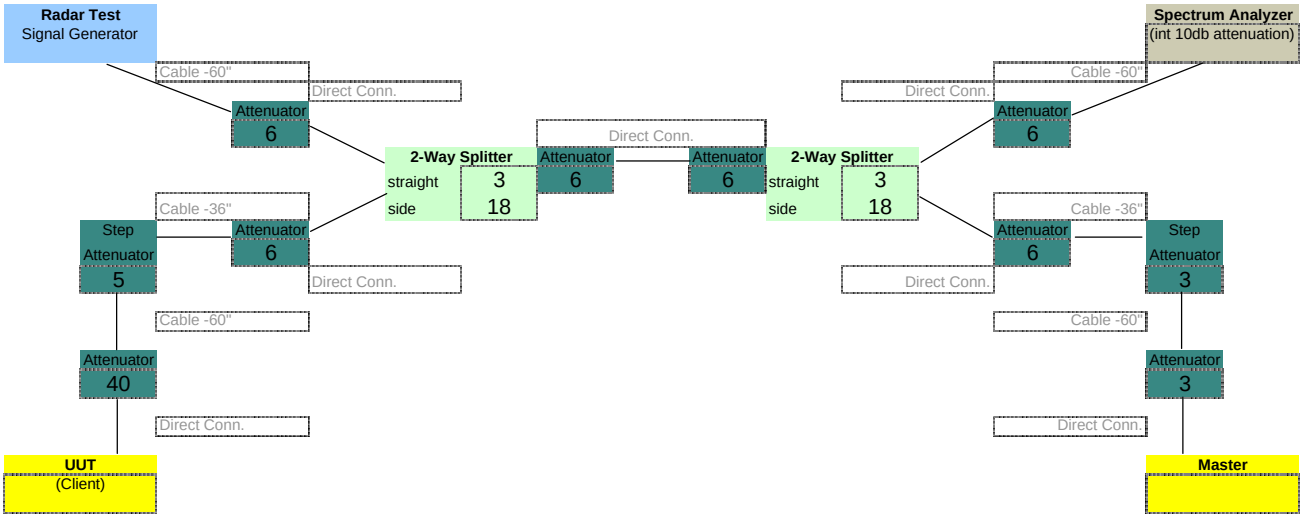


Detection Bandwidth - Working Radio

Working Radio, 5300 MHz , U-NII Dectection Bandwidth						
Detected	**Not Detected**	**% Detected**		**Value**	**Limit**	**Result**
				20 MHz	≥ 18 MHz	PASS

Detection Bandwidth - Working Radio

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Statistical Performance Check - Monitor Radio 96 kHz

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	24
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	7/8/2011	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. An approved media file was streamed through a master and client system. The configuration and status of the master device was monitored for a percentage of successful detections per radar type.

The statistical performance of the UUT is based off a 30 trial test run. As fully described earlier in this report, the measured and verified -62dBm threshold radar types 1-6 were used to illustrate the statistical performance of the UUT as define in the testing procedure.

Statistical Performance Check - Monitor Radio 96 kHz

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/20/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

None

Configuration #	4	Signature

						Value	Limit	Result
Monitor Radio								
	96 kHz Sampling Frequency							
		5300 MHz						
		Radar 1				100.0%	60.0%	PASS
		Radar 2				96.7%	60.0%	PASS
		Radar 3				96.7%	60.0%	PASS
		Radar 4				100.0%	60.0%	PASS
		Radar 1-4 Summary	100.0%	96.7%	96.7%	100.0%	96.7%	80.0%	PASS
		Radar 5				100.0%	80.0%	PASS
		Radar 6				100.0%	70.0%	PASS

Statistical Performance Check - Monitor Radio 96 kHz

Monitor Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 1

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Monitor Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 2

				Value	Limit	Result
				96.7%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	28	4.600 us	152.000 us
2	PASS	29	5.000 us	212.000 us
3	PASS	29	5.000 us	184.000 us
4	PASS	23	3.300 us	221.000 us
5	PASS	29	1.900 us	208.000 us
6	FAIL	25	1.000 us	167.000 us
7	PASS	28	4.500 us	167.000 us
8	PASS	24	3.000 us	183.000 us
9	PASS	23	4.400 us	222.000 us
10	PASS	25	1.300 us	210.000 us
11	PASS	28	4.100 us	215.000 us
12	PASS	24	4.000 us	222.000 us
13	PASS	29	3.700 us	220.000 us
14	PASS	24	1.600 us	214.000 us
15	PASS	26	3.200 us	196.000 us
16	PASS	29	3.200 us	170.000 us
17	PASS	28	4.900 us	172.000 us
18	PASS	23	1.100 us	168.000 us
19	PASS	26	4.000 us	193.000 us
20	PASS	24	3.600 us	185.000 us
21	PASS	28	4.500 us	230.000 us
22	PASS	26	4.500 us	203.000 us
23	PASS	24	4.400 us	191.000 us
24	PASS	25	3.800 us	189.000 us
25	PASS	28	4.200 us	154.000 us
26	PASS	29	1.100 us	187.000 us
27	PASS	27	3.900 us	159.000 us
28	PASS	28	1.700 us	218.000 us
29	PASS	28	3.700 us	175.000 us
30	PASS	24	4.200 us	184.000 us

Statistical Performance Check - Monitor Radio 96 kHz

Monitor Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 3

				Value	Limit	Result
				96.7%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	17	7.000 us	291.000 us
2	PASS	18	8.700 us	229.000 us
3	PASS	17	7.700 us	496.000 us
4	PASS	17	9.400 us	476.000 us
5	PASS	18	9.900 us	427.000 us
6	PASS	17	9.600 us	272.000 us
7	PASS	18	7.800 us	230.000 us
8	PASS	16	6.200 us	256.000 us
9	PASS	16	6.300 us	263.000 us
10	PASS	17	7.000 us	299.000 us
11	PASS	16	7.900 us	388.000 us
12	PASS	16	8.900 us	485.000 us
13	PASS	16	6.300 us	315.000 us
14	PASS	18	9.900 us	427.000 us
15	PASS	17	6.100 us	353.000 us
16	PASS	18	8.600 us	434.000 us
17	PASS	17	7.800 us	218.000 us
18	PASS	18	8.600 us	212.000 us
19	PASS	16	7.300 us	229.000 us
20	PASS	16	7.700 us	266.000 us
21	FAIL	17	8.400 us	489.000 us
22	PASS	17	8.200 us	341.000 us
23	PASS	18	6.500 us	392.000 us
24	PASS	18	9.800 us	269.000 us
25	PASS	18	7.700 us	257.000 us
26	PASS	16	9.100 us	347.000 us
27	PASS	16	9.200 us	357.000 us
28	PASS	18	9.300 us	336.000 us
29	PASS	18	7.000 us	310.000 us
30	PASS	17	7.200 us	417.000 us

Monitor Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 4

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	13	11.900 us	332.000 us
2	PASS	16	16.000 us	336.000 us
3	PASS	13	12.700 us	254.000 us
4	PASS	12	15.600 us	372.000 us
5	PASS	14	11.300 us	339.000 us
6	PASS	13	13.000 us	354.000 us
7	PASS	14	16.900 us	205.000 us
8	PASS	13	19.900 us	418.000 us
9	PASS	15	16.700 us	395.000 us
10	PASS	13	14.800 us	467.000 us
11	PASS	14	15.100 us	208.000 us
12	PASS	15	18.600 us	305.000 us
13	PASS	13	17.000 us	410.000 us
14	PASS	14	15.400 us	297.000 us
15	PASS	14	19.100 us	401.000 us
16	PASS	13	12.900 us	414.000 us
17	PASS	14	20.000 us	224.000 us
18	PASS	16	17.000 us	324.000 us
19	PASS	12	19.300 us	324.000 us
20	PASS	14	11.800 us	206.000 us
21	PASS	12	17.300 us	275.000 us
22	PASS	16	13.100 us	412.000 us
23	PASS	12	11.600 us	260.000 us
24	PASS	12	12.600 us	384.000 us
25	PASS	16	19.600 us	425.000 us
26	PASS	16	19.000 us	246.000 us
27	PASS	16	19.600 us	489.000 us
28	PASS	13	12.900 us	423.000 us
29	PASS	15	11.700 us	245.000 us
30	PASS	15	13.800 us	449.000 us

Statistical Performance Check - Monitor Radio 96 kHz

Monitor Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 1-4 Summary						
Radar 1	**Radar 2**	**Radar 3**	**Radar 4**	**Value**	**Limit**	**Result**
100%	96.70%	96.70%	100%	96.70%	80%	PASS

Monitor Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 5						
				Value	**Limit**	**Result**
				100.0%	80.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Statistical Performance Check - Monitor Radio 96 kHz

Monitor Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 6

				Value	Limit	Result
				100.0%	70.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 1 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	947461	2	20	95	1526	1306	0	947461	0	1499999
2	1511292	3	6	60	1757	1322	1933	2461585	1500000	2999999
3	1176628	1	7	55	1980	0	0	3643225	3000000	4499999
4	872485	2	18	55	1335	1867	0	4517690	4500000	5999999
5	2062767	2	13	60	1623	1661	0	6583659	6000000	7499999
6	1799110	2	7	55	1931	1179	0	8386053	7500000	8999999
7	2031402	2	13	80	1060	1413	0	10420565	9000000	10499999
8	428111	3	7	50	1208	1437	1994	10851149	10500000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 2 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	866883	3	5	75	1903	1471	1784	866883	0	923076
2	898264	3	5	80	1440	1735	1222	1770305	923077	1846153
3	157093	2	16	65	1133	1816	0	1931795	1846154	2769230
4	1596672	3	9	60	1009	1723	1868	3531416	2769231	3692307
5	648905	2	11	65	1452	1105	0	4184921	3692308	4615384
6	677004	3	17	75	1640	1413	1264	4864482	4615385	5538461
7	1068688	2	11	85	1057	1516	0	5937487	5538462	6461538
8	804077	2	14	95	1133	1419	0	6744137	6461539	7384615
9	991610	1	19	70	1042	0	0	7738299	7384616	8307692
10	1442770	2	18	50	1465	1339	0	9182111	8307693	9230769
11	788682	2	13	70	1977	1808	0	9973597	9230770	10153846
12	459763	1	8	65	1807	0	0	10437145	10153847	11076923
13	1448138	3	5	80	1457	1305	1776	11887090	11076924	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 3 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	635344	1	20	85	1180	0	0	635344	0	1090908
2	1145127	3	7	95	1945	1789	1596	1781651	1090909	2181817
3	850617	2	6	70	1453	1193	0	2637598	2181818	3272726
4	1703077	2	17	50	1494	1115	0	4343321	3272727	4363635
5	930987	2	18	100	1730	1568	0	5276917	4363636	5454544
6	361600	2	7	95	1018	1362	0	5641815	5454545	6545453
7	973033	2	16	100	1512	1097	0	6617228	6545454	7636362
8	1416995	3	7	100	1494	1181	1281	8036832	7636363	8727271
9	1552088	2	9	75	1860	1412	0	9592876	8727272	9818180
10	948440	1	16	80	1561	0	0	10544588	9818181	10909089
11	597286	3	6	80	1275	1612	1656	11143435	10909090	11999998

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 4 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	553542	3	11	70	1279	1998	1944	553542	0	749999
2	348066	1	11	65	1071	0	0	906829	750000	1499999
3	934683	1	16	55	1738	0	0	1842583	1500000	2249999
4	442189	2	10	85	1035	1048	0	2286510	2250000	2999999
5	1097990	1	19	75	1243	0	0	3386583	3000000	3749999
6	570592	2	11	65	1724	1076	0	3958418	3750000	4499999
7	883738	1	7	90	1250	0	0	4844956	4500000	5249999
8	830635	3	5	75	1446	1534	1014	5676841	5250000	5999999
9	431776	3	19	60	1251	1596	1105	6112611	6000000	6749999
10	975889	2	6	50	1689	1026	0	7092452	6750000	7499999
11	843358	2	17	75	1963	1464	0	7938525	7500000	8249999
12	976253	3	6	75	1853	1101	1015	8918205	8250000	8999999
13	306201	2	12	90	1659	1892	0	9228375	9000000	9749999
14	1111580	2	10	70	1000	1847	0	10343506	9750000	10499999
15	788617	3	7	65	1530	1984	1992	11134970	10500000	11249999
16	504522	3	19	60	1823	1552	1561	11644998	11250000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 5 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	595010	1	13	55	1551	0	0	595010	0	631578
2	123408	3	6	70	1616	1105	1488	719969	631579	1263157
3	737075	3	8	100	1602	1847	1919	1461253	1263158	1894736
4	512815	3	12	70	1960	1751	1361	1979436	1894737	2526315
5	681880	3	7	50	1881	1634	1585	2666388	2526316	3157894
6	901790	1	9	100	1828	0	0	3573278	3157895	3789473
7	296554	3	10	90	1262	1291	1210	3871660	3789474	4421052
8	1058183	2	7	75	1062	1054	0	4933606	4421053	5052631
9	395476	2	12	90	1481	1082	0	5331198	5052632	5684210
10	605821	2	8	55	1205	1105	0	5939582	5684211	6315789
11	582042	2	18	70	1313	1595	0	6523934	6315790	6947368
12	569646	3	13	65	1601	1331	1876	7096488	6947369	7578947
13	1051076	3	5	100	1561	1365	1530	8152372	7578948	8210526
14	558546	3	5	55	1272	1153	1676	8715374	8210527	8842105
15	479056	1	14	80	1854	0	0	9198531	8842106	9473684
16	278964	3	7	95	1337	1125	1581	9479349	9473685	10105263
17	785639	2	5	90	1550	1018	0	10269031	10105264	10736842
18	622000	3	11	70	1934	1652	1560	10893599	10736843	11368421
19	609827	3	16	60	1875	1755	1705	11508572	11368422	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 6 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	874983	1	19	100	1683	0	0	874983	0	999999
2	465101	1	14	95	1279	0	0	1341767	1000000	1999999
3	856210	3	12	90	1839	1472	1306	2199256	2000000	2999999
4	1481741	3	14	85	1021	1017	1759	3685614	3000000	3999999
5	986352	1	6	50	1899	0	0	4675763	4000000	4999999
6	1242688	1	14	65	1745	0	0	5920350	5000000	5999999
7	947796	3	19	90	1364	1523	1955	6869891	6000000	6999999
8	677923	3	8	75	1535	1701	1588	7552656	7000000	7999999
9	797460	1	9	65	1993	0	0	8354940	8000000	8999999
10	1601568	1	10	65	1103	0	0	9958501	9000000	9999999
11	330158	3	17	70	1867	1710	1186	10289762	10000000	10999999
12	1182063	2	20	55	1240	1525	0	11476588	11000000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 7 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	486826	3	14	90	1529	1554	1185	486826	0	923076
2	749824	3	14	75	1061	1755	1680	1240918	923077	1846153
3	1315915	1	8	95	1114	0	0	2561329	1846154	2769230
4	369139	2	17	70	1590	1606	0	2931582	2769231	3692307
5	1631686	1	19	100	1736	0	0	4566464	3692308	4615384
6	491546	1	10	100	1677	0	0	5059746	4615385	5538461
7	662726	3	20	60	1879	1845	1959	5724149	5538462	6461538
8	1469521	1	16	50	1613	0	0	7199353	6461539	7384615
9	1011160	3	20	100	1880	1627	1724	8212126	7384616	8307692
10	793042	2	15	95	1797	1532	0	9010399	8307693	9230769
11	598968	2	8	90	1164	1916	0	9612696	9230770	10153846
12	1173422	2	13	65	1380	1089	0	10789198	10153847	11076923
13	712169	3	6	65	1652	1489	1485	11503836	11076924	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 8 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	99	1	11	55	1172	0	0	99	0	799999
2	969757	2	13	90	1949	1572	0	971028	800000	1599999
3	1047596	2	8	60	1730	1199	0	2022145	1600000	2399999
4	586664	1	17	70	1718	0	0	2611738	2400000	3199999
5	1241266	3	10	55	1788	1196	1703	3854722	3200000	3999999
6	435078	1	13	100	1102	0	0	4294487	4000000	4799999
7	540169	3	7	60	1720	1664	1514	4835758	4800000	5599999
8	995010	2	16	75	1609	1281	0	5835666	5600000	6399999
9	1321538	1	15	100	1495	0	0	7160094	6400000	7199999
10	85122	2	13	95	1479	1140	0	7246711	7200000	7999999
11	1101670	2	11	65	1184	1327	0	8351000	8000000	8799999
12	1118270	3	15	75	1014	1237	1424	9471781	8800000	9599999
13	810383	3	15	80	1880	1861	1326	10285839	9600000	10399999
14	347990	3	18	85	1672	1801	1085	10638896	10400000	11199999
15	1235949	3	8	90	1935	1729	1325	11879403	11200000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 9 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	838169	1	19	70	1096	0	0	838169	0	857142
2	211200	2	8	70	1553	1704	0	1050465	857143	1714285
3	1490208	3	14	85	1731	1644	1990	2543930	1714286	2571428
4	372262	1	9	100	1524	0	0	2921557	2571429	3428571
5	596355	1	16	55	1166	0	0	3519436	3428572	4285714
6	1365532	2	11	85	1020	1723	0	4886134	4285715	5142857
7	776307	1	16	55	1083	0	0	5665184	5142858	6000000
8	495692	2	11	70	1197	1888	0	6161959	6000001	6857143
9	933474	1	18	95	1716	0	0	7098518	6857144	7714286
10	1462511	2	18	60	1894	1322	0	8562745	7714287	8571429
11	465882	2	17	65	1035	1533	0	9031843	8571430	9428572
12	1091147	2	14	60	1092	1773	0	10125558	9428573	10285715
13	357865	2	17	75	1191	1617	0	10486288	10285716	11142858
14	1126385	3	7	75	1600	1410	1185	11615481	11142859	12000001

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 10 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	119095	1	7	80	1413	0	0	119095	0	631578
2	712358	3	7	90	1509	1630	1263	832866	631579	1263157
3	546108	2	5	50	1436	1953	0	1383376	1263158	1894736
4	854225	3	14	100	1286	1139	1782	2240990	1894737	2526315
5	541547	1	12	60	1811	0	0	2786744	2526316	3157894
6	407394	3	12	60	1925	1126	1504	3195949	3157895	3789473
7	811977	2	19	75	1308	1701	0	4012481	3789474	4421052
8	775169	3	17	65	1325	1116	1788	4790659	4421053	5052631
9	695889	3	8	90	1608	1331	1025	5490777	5052632	5684210
10	671122	3	13	95	1906	1472	1515	6165863	5684211	6315789
11	426854	3	9	60	1376	1098	1880	6597610	6315790	6947368
12	872138	3	5	60	1559	1280	1894	7474102	6947369	7578947
13	422886	3	5	95	1413	1634	1698	7901721	7578948	8210526
14	740464	2	20	90	1499	1794	0	8646930	8210527	8842105
15	391921	1	9	100	1218	0	0	9042144	8842106	9473684
16	938541	3	7	80	1776	1247	1503	9981903	9473685	10105263
17	637868	1	8	50	1077	0	0	10624297	10105264	10736842
18	333145	1	6	60	1237	0	0	10958519	10736843	11368421
19	526895	3	19	90	1046	1820	1333	11486651	11368422	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 11 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	124219	2	14	95	1730	1501	0	124219	0	1333332
2	1890901	2	12	70	1502	1420	0	2018351	1333333	2666665
3	1208337	2	15	70	1922	1700	0	3229610	2666666	3999998
4	1394511	3	16	55	1347	1311	1100	4627743	3999999	5333331
5	1858715	1	12	80	1160	0	0	6490216	5333332	6666664
6	604975	1	7	85	1964	0	0	7096351	6666665	7999997
7	1086353	3	18	65	1632	1625	1139	8184668	7999998	9333330
8	1922842	1	15	85	1188	0	0	10111906	9333331	10666663
9	1538423	2	7	65	1546	1499	0	11651517	10666664	11999996

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 12 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1234559	3	13	60	1352	1252	1543	1234559	0	1499999
2	729263	3	6	70	1446	1342	1817	1967969	1500000	2999999
3	1628339	2	18	100	1467	1521	0	3600913	3000000	4499999
4	1242384	3	8	65	1880	1118	1901	4846285	4500000	5999999
5	2079326	3	14	100	1746	1666	1724	6930510	6000000	7499999
6	790935	3	11	70	1253	1016	1841	7726581	7500000	8999999
7	1406331	1	13	65	1992	0	0	9137022	9000000	10499999
8	1459753	3	14	85	1396	1687	1260	10598767	10500000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 13 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	270890	2	9	80	1503	1399	0	270890	0	705881
2	505115	3	8	70	1300	1688	1148	778907	705882	1411763
3	1117825	1	16	55	1451	0	0	1900868	1411764	2117645
4	606705	1	8	60	1205	0	0	2509024	2117646	2823527
5	468484	1	13	60	1480	0	0	2978713	2823528	3529409
6	1131920	2	20	100	1712	1793	0	4112113	3529410	4235291
7	451001	2	15	50	1149	1399	0	4566619	4235292	4941173
8	379962	3	8	100	1724	1351	1248	4949129	4941174	5647055
9	1059541	2	20	50	1647	1819	0	6012993	5647056	6352937
10	718843	1	18	75	1440	0	0	6735302	6352938	7058819
11	987416	1	11	85	1542	0	0	7724158	7058820	7764701
12	555074	1	14	85	1173	0	0	8280774	7764702	8470583
13	398308	1	15	100	1520	0	0	8680255	8470584	9176465
14	1041816	1	11	50	1783	0	0	9723591	9176466	9882347
15	227382	3	19	85	1907	1860	1732	9952756	9882348	10588229
16	788636	3	12	50	1545	1386	1297	10746891	10588230	11294111
17	875825	2	7	75	1701	1285	0	11626944	11294112	11999993

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 14 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	456495	2	8	50	1032	1971	0	456495	0	999999
2	1487659	2	7	90	1938	1256	0	1947157	1000000	1999999
3	746497	1	20	70	1156	0	0	2696848	2000000	2999999
4	1140127	2	10	90	1012	1896	0	3838131	3000000	3999999
5	683674	3	5	100	1690	1941	1081	4524713	4000000	4999999
6	658822	1	18	95	1774	0	0	5188247	5000000	5999999
7	1570950	2	19	60	1436	1079	0	6760971	6000000	6999999
8	845940	1	8	85	1245	0	0	7609426	7000000	7999999
9	511269	1	16	50	1071	0	0	8121940	8000000	8999999
10	1118042	3	7	85	1605	1238	1973	9241053	9000000	9999999
11	1051632	3	15	100	1201	1087	1957	10297501	10000000	10999999
12	1493693	2	13	55	1544	1256	0	11795439	11000000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 15 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	55367	1	10	55	1808	0	0	55367	0	705881
2	896651	3	15	85	1579	1803	1272	953826	705882	1411763
3	497238	3	14	95	1331	1218	1490	1455718	1411764	2117645
4	878639	2	18	95	1778	1521	0	2338396	2117646	2823527
5	670691	2	9	60	1929	1565	0	3012386	2823528	3529409
6	579193	2	20	60	1829	1273	0	3595073	3529410	4235291
7	832955	1	20	95	1514	0	0	4431130	4235292	4941173
8	653890	1	14	80	1536	0	0	5086534	4941174	5647055
9	1045953	3	8	65	1172	1795	1539	6134023	5647056	6352937
10	503541	2	20	60	1799	1561	0	6642070	6352938	7058819
11	734196	1	12	70	1384	0	0	7379626	7058820	7764701
12	654515	2	6	95	1449	1175	0	8035525	7764702	8470583
13	793813	3	8	90	1900	1801	1733	8831962	8470584	9176465
14	610986	2	6	75	1066	1701	0	9448382	9176466	9882347
15	901112	2	13	50	1664	1176	0	10352261	9882348	10588229
16	675229	1	9	50	1761	0	0	11030330	10588230	11294111
17	428226	3	18	80	1624	1249	1652	11460317	11294112	11999993

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 16 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	604058	1	19	60	1199	0	0	604058	0	1090908
2	1130256	3	9	95	1733	1457	1088	1735513	1090909	2181817
3	1358611	3	5	70	1277	1070	1229	3098402	2181818	3272726
4	488592	1	5	55	1699	0	0	3590570	3272727	4363635
5	1469360	3	14	95	1057	1438	1377	5061629	4363636	5454544
6	919234	2	11	100	1982	1899	0	5984735	5454545	6545453
7	967653	2	6	55	1424	1528	0	6956269	6545454	7636362
8	1365145	3	14	70	1836	1781	1994	8324366	7636363	8727271
9	1423678	1	7	55	1909	0	0	9753655	8727272	9818180
10	781153	2	16	75	1794	1730	0	10536717	9818181	10909089
11	1311173	2	10	100	1180	1098	0	11851414	10909090	11999998

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 17 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	233850	3	12	60	1412	1914	1325	233850	0	799999
2	921455	1	19	75	1966	0	0	1159956	800000	1599999
3	676763	1	16	65	1758	0	0	1838685	1600000	2399999
4	1090611	1	5	80	1309	0	0	2931054	2400000	3199999
5	778026	2	16	70	1357	1671	0	3710389	3200000	3999999
6	1046508	1	14	100	1364	0	0	4759925	4000000	4799999
7	305243	2	19	90	1889	1560	0	5066532	4800000	5599999
8	815182	2	5	75	1944	1570	0	5885163	5600000	6399999
9	1262281	2	17	75	1267	1508	0	7150958	6400000	7199999
10	243681	3	17	100	1526	1229	1677	7397414	7200000	7999999
11	758456	2	17	60	1965	1379	0	8160302	8000000	8799999
12	693739	1	5	65	1418	0	0	8857385	8800000	9599999
13	1051414	2	5	90	1925	1613	0	9910217	9600000	10399999
14	1257394	3	12	100	1353	1205	1065	11171149	10400000	11199999
15	110253	3	9	90	1076	1531	1453	11285025	11200000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 18 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	300751	3	16	60	1613	1155	1313	300751	0	857142
2	969336	2	19	50	1665	1573	0	1274168	857143	1714285
3	1084765	3	13	90	1280	1474	1223	2362171	1714286	2571428
4	372634	2	7	85	1357	1809	0	2738782	2571429	3428571
5	1445921	1	11	95	1033	0	0	4187869	3428572	4285714
6	595845	1	20	65	1595	0	0	4784747	4285715	5142857
7	1023342	1	6	70	1453	0	0	5809684	5142858	6000000
8	273170	3	17	80	1843	1854	1933	6084307	6000001	6857143
9	1217146	2	14	55	1263	1887	0	7307083	6857144	7714286
10	1204793	2	20	70	1205	1527	0	8515026	7714287	8571429
11	600921	1	11	50	1159	0	0	9118679	8571430	9428572
12	763150	3	15	55	1231	1073	1538	9882988	9428573	10285715
13	1123688	3	8	95	1231	1918	1807	11010518	10285716	11142858
14	726674	1	19	80	1824	0	0	11742148	11142859	12000001

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 19 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	906059	1	7	90	1761	0	0	906059	0	1090908
2	1213095	3	13	85	1401	1004	1563	2120915	1090909	2181817
3	942485	3	11	100	1980	1461	1248	3067368	2181818	3272726
4	869450	1	11	75	1575	0	0	3941507	3272727	4363635
5	1188757	3	12	80	1221	1499	1710	5131839	4363636	5454544
6	358077	1	8	55	1888	0	0	5494346	5454545	6545453
7	1663789	1	6	70	1524	0	0	7160023	6545454	7636362
8	1529811	2	19	75	1481	1113	0	8691358	7636363	8727271
9	57927	1	10	65	1838	0	0	8751879	8727272	9818180
10	1440575	2	18	55	1839	1980	0	10194292	9818181	10909089
11	868410	1	13	50	1115	0	0	11066521	10909090	11999998

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 20 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	617791	2	12	60	1788	1947	0	617791	0	631578
2	321905	1	7	50	1508	0	0	943431	631579	1263157
3	609717	2	12	65	1780	1543	0	1554656	1263158	1894736
4	549000	2	17	55	1273	1177	0	2106979	1894737	2526315
5	529150	3	17	75	1255	1193	1941	2638579	2526316	3157894
6	705632	3	7	90	1400	1351	1845	3348600	3157895	3789473
7	705866	1	6	95	1011	0	0	4059062	3789474	4421052
8	583871	3	11	85	1045	1941	1634	4643944	4421053	5052631
9	547254	2	7	80	1406	1258	0	5195818	5052632	5684210
10	997021	3	20	75	1003	1548	1412	6195503	5684211	6315789
11	171394	1	20	80	1225	0	0	6370860	6315790	6947368
12	883589	1	17	85	1039	0	0	7255674	6947369	7578947
13	855325	3	10	100	1602	1199	1191	8112038	7578948	8210526
14	165237	3	12	100	1705	1846	1405	8281267	8210527	8842105
15	799592	2	20	55	1913	1926	0	9085815	8842106	9473684
16	869105	2	13	50	1394	1926	0	9958759	9473685	10105263
17	727858	3	17	70	1940	1100	1413	10689937	10105264	10736842
18	294336	3	11	55	1098	1332	1415	10988726	10736843	11368421
19	871224	1	13	70	1836	0	0	11863795	11368422	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 21 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	548199	2	7	90	1919	1574	0	548199	0	923076
2	431155	3	7	90	1453	1603	1405	982847	923077	1846153
3	1336515	2	16	70	1775	1036	0	2323823	1846154	2769230
4	874563	3	14	55	1080	1255	1695	3201197	2769231	3692307
5	1064598	3	18	50	1492	1124	1052	4269825	3692308	4615384
6	475891	1	15	80	1258	0	0	4749384	4615385	5538461
7	819971	1	15	90	1124	0	0	5570613	5538462	6461538
8	1267136	1	12	95	1734	0	0	6838873	6461539	7384615
9	1388606	1	7	55	1501	0	0	8229213	7384616	8307692
10	199990	2	18	80	1553	1807	0	8430704	8307693	9230769
11	1581670	1	10	60	1259	0	0	10015734	9230770	10153846
12	916171	1	15	85	1891	0	0	10933164	10153847	11076923
13	206510	2	5	85	1002	1062	0	11141565	11076924	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 22 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	597	2	12	60	1123	1117	0	597	0	631578
2	672916	1	13	100	1442	0	0	675753	631579	1263157
3	903282	3	19	70	1283	1377	1933	1580477	1263158	1894736
4	693220	3	11	50	1565	1138	1532	2278290	1894737	2526315
5	561936	1	15	100	1735	0	0	2844461	2526316	3157894
6	697076	1	16	90	1332	0	0	3543272	3157895	3789473
7	352724	3	19	70	1794	1268	1729	3897328	3789474	4421052
8	589741	3	14	70	1626	1756	1908	4491860	4421053	5052631
9	932704	3	15	70	1354	1325	1053	5429854	5052632	5684210
10	584145	2	15	65	1551	1141	0	6017731	5684211	6315789
11	557242	2	12	65	1403	1003	0	6577665	6315790	6947368
12	811343	2	6	90	1024	1234	0	7391414	6947369	7578947
13	284993	2	11	60	1221	1256	0	7678665	7578948	8210526
14	907530	3	16	60	1476	1229	1851	8588672	8210527	8842105
15	294822	3	13	75	1448	1003	1926	8888050	8842106	9473684
16	1152940	3	13	70	1246	1232	1180	10045367	9473685	10105263
17	157432	1	7	85	1968	0	0	10206457	10105264	10736842
18	714699	1	17	70	1446	0	0	10923124	10736843	11368421
19	741426	2	19	55	1297	1018	0	11665996	11368422	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 23 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	652704	1	18	80	1373	0	0	652704	0	1199999
2	1617350	1	19	60	1245	0	0	2271427	1200000	2399999
3	872882	1	12	85	1326	0	0	3145554	2400000	3599999
4	525489	1	13	90	1644	0	0	3672369	3600000	4799999
5	2088396	3	7	75	1299	1773	1522	5762409	4800000	5999999
6	771506	3	5	70	1968	1816	1135	6538509	6000000	7199999
7	1427159	2	8	50	1925	1822	0	7970587	7200000	8399999
8	849219	3	10	65	1947	1955	1745	8823553	8400000	9599999
9	863813	2	11	60	1442	1356	0	9693013	9600000	10799999
10	1613655	3	18	70	1714	1550	1505	11309466	10800000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 24 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	609775	1	6	95	1713	0	0	609775	0	749999
2	210232	1	19	70	1753	0	0	821720	750000	1499999
3	1258544	3	14	85	1549	1644	1192	2082017	1500000	2249999
4	558469	3	10	70	1624	1958	1371	2644871	2250000	2999999
5	868699	2	16	65	1709	1129	0	3518523	3000000	3749999
6	592690	3	16	70	1225	1847	1683	4114051	3750000	4499999
7	780564	2	9	60	1741	1542	0	4899370	4500000	5249999
8	759543	2	5	85	1275	1937	0	5662196	5250000	5999999
9	561143	2	19	50	1230	1809	0	6226551	6000000	6749999
10	721550	3	18	75	1356	1099	1746	6951140	6750000	7499999
11	1000534	3	12	85	1281	1713	1560	7955875	7500000	8249999
12	335772	2	20	60	1672	1320	0	8296201	8250000	8999999
13	1137186	2	8	75	1768	1643	0	9436379	9000000	9749999
14	485466	2	12	50	1281	1279	0	9925256	9750000	10499999
15	874305	1	18	85	1226	0	0	10802121	10500000	11249999
16	761483	3	16	60	1705	1208	1549	11564830	11250000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 25 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	392632	1	16	80	1025	0	0	392632	0	749999
2	1031452	3	11	85	1371	1743	1939	1425109	750000	1499999
3	486222	3	11	80	1959	1718	1978	1916384	1500000	2249999
4	770559	3	8	75	1884	1907	1413	2692598	2250000	2999999
5	852622	3	16	55	1743	1193	1808	3550424	3000000	3749999
6	442816	1	15	55	1206	0	0	3997984	3750000	4499999
7	1004777	3	7	75	1839	1768	1728	5003967	4500000	5249999
8	670983	3	5	60	1559	1538	1998	5680285	5250000	5999999
9	453529	2	16	95	1539	1577	0	6138909	6000000	6749999
10	978261	1	7	80	1619	0	0	7120286	6750000	7499999
11	643819	3	16	70	1068	1869	1683	7765724	7500000	8249999
12	1171278	1	14	100	1634	0	0	8941622	8250000	8999999
13	152015	2	9	55	1783	1048	0	9095271	9000000	9749999
14	1072115	3	5	50	1257	1266	1966	10170217	9750000	10499999
15	926572	3	19	60	1131	1522	1818	11101278	10500000	11249999
16	273599	1	12	80	1577	0	0	11379348	11250000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 26 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1180764	2	13	95	1512	1029	0	1180764	0	1499999
2	833909	3	17	50	1506	1548	1430	2017214	1500000	2999999
3	2058769	2	17	80	1557	1252	0	4080467	3000000	4499999
4	810006	3	5	50	1450	1853	1383	4893282	4500000	5999999
5	2279249	1	11	90	1721	0	0	7177217	6000000	7499999
6	661245	1	15	75	1630	0	0	7840183	7500000	8999999
7	1390465	2	12	95	1727	1279	0	9232278	9000000	10499999
8	2439698	2	17	70	1836	1254	0	11674982	10500000	11999999

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 27 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	306685	1	18	75	1017	0	0	306685	0	631578
2	710560	3	20	85	1950	1500	1539	1018262	631579	1263157
3	254020	2	12	75	1811	1082	0	1277271	1263158	1894736
4	707632	1	13	70	1685	0	0	1987796	1894737	2526315
5	753852	2	9	65	1340	1036	0	2743333	2526316	3157894
6	437067	1	14	100	1719	0	0	3182776	3157895	3789473
7	907778	3	6	70	1297	1503	1450	4092273	3789474	4421052
8	860644	3	6	100	1136	1976	1913	4957167	4421053	5052631
9	513309	2	16	100	1238	1266	0	5475501	5052632	5684210
10	609440	1	13	75	1550	0	0	6087445	5684211	6315789
11	492669	3	5	60	1387	1325	1849	6581664	6315790	6947368
12	562131	1	19	55	1877	0	0	7148356	6947369	7578947
13	789527	3	16	100	1234	1470	1073	7939760	7578948	8210526
14	353054	1	5	95	1197	0	0	8296591	8210527	8842105
15	845626	1	6	55	1207	0	0	9143414	8842106	9473684
16	716090	1	12	100	1384	0	0	9860711	9473685	10105263
17	334722	3	16	90	1247	1902	1323	10196817	10105264	10736842
18	579553	1	8	80	1191	0	0	10780842	10736843	11368421
19	606919	2	18	75	1651	1329	0	11388952	11368422	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 28 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	570478	2	18	85	1472	1819	0	570478	0	923076
2	502804	1	16	75	1218	0	0	1076573	923077	1846153
3	1196234	1	12	55	1565	0	0	2274025	1846154	2769230
4	796729	1	14	70	1885	0	0	3072319	2769231	3692307
5	1383721	2	5	50	1199	1104	0	4457925	3692308	4615384
6	277391	3	9	95	1909	1127	1913	4737619	4615385	5538461
7	1660401	1	11	55	1483	0	0	6402969	5538462	6461538
8	643786	1	9	90	1773	0	0	7048238	6461539	7384615
9	462271	3	8	65	1524	1599	1475	7512282	7384616	8307692
10	1619888	3	19	55	1072	1536	1198	9136768	8307693	9230769
11	314439	2	5	50	1229	1395	0	9455013	9230770	10153846
12	1463870	1	11	80	1959	0	0	10921507	10153847	11076923
13	1005015	1	14	50	1017	0	0	11928481	11076924	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 29 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	830947	3	16	60	1888	1658	1794	830947	0	923076
2	438697	1	8	75	1998	0	0	1274984	923077	1846153
3	937913	3	12	80	1897	1239	1777	2214895	1846154	2769230
4	825639	1	8	65	1621	0	0	3045447	2769231	3692307
5	824367	1	17	75	1441	0	0	3871435	3692308	4615384
6	1590714	1	11	55	1337	0	0	5463590	4615385	5538461
7	770429	1	14	100	1788	0	0	6235356	5538462	6461538
8	241333	3	13	55	1802	1855	1172	6478477	6461539	7384615
9	1222088	1	12	65	1122	0	0	7705394	7384616	8307692
10	1218112	3	9	80	1481	1891	1279	8924628	8307693	9230769
11	670621	1	18	100	1490	0	0	9599900	9230770	10153846
12	591031	3	12	70	1486	1584	1395	10192421	10153847	11076923
13	1572781	2	11	90	1926	1999	0	11769667	11076924	12000000

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 5, Trial 30 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	677412	3	18	55	1319	1405	1547	677412	0	799999
2	121650	1	11	55	1347	0	0	803333	800000	1599999
3	1118679	2	16	80	1918	1463	0	1923359	1600000	2399999
4	899611	3	18	80	1521	1620	1791	2826351	2400000	3199999
5	603792	2	19	80	1459	1506	0	3435075	3200000	3999999
6	773418	3	19	85	1408	1659	1567	4211458	4000000	4799999
7	849880	1	13	50	1224	0	0	5065972	4800000	5599999
8	603813	1	11	100	1067	0	0	5671009	5600000	6399999
9	1340408	2	6	60	1443	1068	0	7012484	6400000	7199999
10	289487	1	6	100	1769	0	0	7304482	7200000	7999999
11	1061752	2	15	90	1955	1822	0	8368003	8000000	8799999
12	938896	2	14	70	1806	1685	0	9310676	8800000	9599999
13	436167	2	12	60	1516	1837	0	9750334	9600000	10399999
14	1441925	1	20	100	1804	0	0	11195612	10400000	11199999
15	394675	1	9	70	1868	0	0	11592091	11200000	11999999

NORTHWEST EMC

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 6, Trial 1 of 3
All Frequencies in MHz

Trial #1	Trial #2	Trial #3	Trial #4	Trial #5	Trial #6	Trial #7	Trial #8	Trial #9	Trial #10	Trial #11	Trial #12	Trial #13
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5680	5564	5523	5661	5592	5314	5297	5559	5566	5501	5510	5671	5293
5628	5621	5330	5521	5645	5619	5304	5264	5685	5682	5640	5682	5569
5543	5261	5550	5606	5301	5577	5629	5647	5610	5570	5616	5540	5550
5646	5636	5595	5642	5574	5600	5663	5509	5628	5655	5658	5639	5265
5667	5540	5490	5318	5608	5637	5287	5305	5613	5690	5525	5270	5312
5322	5681	5491	5268	5545	5701	5520	5707	5656	5665	5607	5692	5618
5689	5614	5559	5509	5680	5556	5606	5508	5590	5562	5675	5630	5654
5536	5503	5318	5328	5542	5636	5615	5601	5650	5305	5694	5493	5526
5578	5602	5590	5609	5588	5645	5582	5644	5270	5491	5574	5519	5552
5540	5592	5323	5702	5536	5271	5251	5495	5582	5581	5702	5253	5666
5630	5698	5297	5571	5564	5286	5590	5620	5278	5668	5590	5660	5575
5563	5506	5303	5530	5317	5564	5519	5695	5299	5569	5518	5294	5261
5571	5284	5665	5288	5562	5561	5533	5285	5574	5692	5645	5691	5521
5272	5657	5600	5605	5573	5530	5671	5708	5598	5266	5579	5268	5328
5306	5265	5556	5621	5644	5504	5501	5500	5578	5524	5709	5675	5596
5647	5663	5633	5657	5600	5618	5252	5553	5707	5621	5269	5662	5522
5569	5617	5597	5674	5568	5295	5530	5626	5692	5611	5509	5594	5565
5704	5498	5584	5266	5556	5700	5689	5639	5495	5559	5610	5595	5511
5659	5670	5599	5637	5571	5251	5529	5571	5669	5607	5636	5511	5616
5623	5316	5548	5611	5268	5292	5306	5636	5632	5563	5708	5545	5536
5499	5293	5558	5260	5297	5693	5608	5256	5258	5610	5322	5521	5547
5614	5560	5560	5689	5526	5651	5682	5295	5710	5539	5255	5522	5504
5309	5609	5277	5558	5252	5493	5659	5584	5654	5689	5543	5642	5546
5600	5508	5512	5645	5295	5664	5257	5330	5701	5693	5652	5252	5308
5518	5708	5291	5641	5315	5708	5260	5538	5595	5327	5612	5308	5555
5314	5625	5557	5538	5657	5526	5511	5262	5589	5651	5548	5704	5302
5325	5306	5324	5699	5707	5657	5635	5548	5554	5495	5604	5629	5629
5504	5686	5579	5507	5603	5646	5494	5654	5560	5262	5655	5599	5544
5528	5554	5500	5533	5550	5686	5574	5496	5319	5675	5620	5274	5579
5572	5556	5603	5271	5513	5303	5497	5316	5510	5646	5591	5641	5649
5511	5522	5651	5290	5267	5572	5305	5662	5673	5577	5519	5305	5704
5601	5702	5697	5252	5557	5322	5661	5611	5696	5543	5683	5496	5516
5669	5539	5578	5634	5327	5507	5557	5518	5699	5701	5563	5571	5703
5326	5286	5322	5281	5299	5683	5660	5510	5313	5260	5573	5676	5626
5670	5287	5263	5679	5310	5639	5627	5269	5563	5576	5647	5649	5594
5649	5620	5317	5291	5274	5680	5597	5656	5282	5647	5493	5666	5255
5583	5624	5540	5617	5320	5532	5531	5604	5253	5541	5698	5584	5280
5542	5685	5618	5278	5286	5279	5604	5565	5584	5277	5707	5516	5322
5604	5551	5690	5547	5314	5660	5552	5706	5330	5251	5330	5275	5300
5316	5626	5265	5541	5700	5534	5512	5320	5677	5710	5687	5292	5327
5512	5260	5307	5659	5580	5282	5273	5580	5602	5669	5595	5533	5625
5502	5543	5547	5258	5628	5620	5621	5705	5323	5302	5537	5659	5571
5266	5490	5542	5696	5638	5260	5522	5677	5504	5622	5535	5542	5318
5280	5690	5309	5295	5643	5703	5289	5492	5635	5615	5693	5611	5323
5550	5652	5647	5299	5674	5298	5612	5529	5325	5589	5667	5699	5253
5596	5312	5566	5546	5610	5265	5296	5572	5519	5325	5592	5503	5285
5594	5707	5257	5327	5303	5638	5524	5528	5547	5521	5320	5296	5646
5329	5665	5545	5322	5529	5668	5255	5600	5524	5507	5541	5548	5639
5638	5308	5572	5500	5521	5622	5311	5260	5625	5593	5639	5672	5583
5591	5622	5641	5577	5699	5665	5521	5523	5314	5660	5564	5695	5686
5295	5695	5284	5630	5605	5662	5298	5296	5254	5580	5499	5302	5273
5650	5296	5667	5592	5272	5694	5575	5588	5536	5687	5257	5568	5572
5664	5255	5313	5269	5633	5319	5710	5625	5704	5661	5274	5554	5667
5255	5530	5640	5683	5604	5538	5692	5287	5567	5515	5520	5525	5611
5674	5491	5685	5490	5503	5670	5702	5321	5698	5492	5621	5631	5623
5573	5327	5494	5588	5598	5300	5555	5710	5592	5274	5547	5283	5605
5298	5273	5659	5665	5570	5571	5700	5659	5286	5585	5603	5697	5680
5666		5533	5495	5495	5254	5573	5613	5676	5674	5282	5563	5679
5271		5329	5652		5283	5623	5515	5303	5322		5688	5559
5658		5694	5320		5321	5679	5270	5505	5259			5689
5324		5677	5543		5589	5610	5566	5558	5638			5260
5695		5607	5313		5624		5569	5690	5326			5566

NORTHWEST EMC

Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 6, Trial 2 of 3
All Frequencies in MHz

Trial #14	Trial #15	Trial #16	Trial #17	Trial #18	Trial #19	Trial #20	Trial #21	Trial #22	Trial #23	Trial #24	Trial #25	Trial #26
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5575	5300	5698	5511	5296	5694	5532	5700	5671	5651	5269	5602	5584
5295	5685	5674	5589	5274	5273	5703	5646	5703	5545	5308	5627	5575
5532	5523	5694	5634	5531	5648	5544	5255	5271	5551	5538	5710	5303
5534	5499	5497	5507	5292	5562	5671	5533	5597	5630	5579	5591	5548
5677	5640	5294	5496	5529	5709	5695	5689	5303	5530	5664	5691	5675
5615	5607	5658	5315	5495	5321	5301	5584	5567	5555	5568	5587	5253
5609	5307	5514	5685	5629	5293	5636	5616	5658	5654	5651	5287	5550
5601	5673	5562	5288	5582	5501	5317	5553	5516	5276	5264	5614	5589
5307	5494	5580	5681	5490	5288	5576	5706	5513	5620	5620	5541	5265
5703	5261	5305	5574	5509	5588	5596	5566	5635	5613	5588	5574	5530
5572	5609	5330	5327	5606	5267	5663	5578	5584	5506	5296	5666	5632
5566	5319	5300	5709	5258	5294	5614	5707	5542	5695	5673	5301	5637
5318	5630	5326	5694	5308	5538	5662	5624	5551	5702	5329	5654	5538
5314	5524	5276	5637	5653	5624	5592	5648	5500	5597	5292	5576	5638
5644	5707	5650	5497	5254	5310	5573	5659	5710	5626	5507	5262	5298
5597	5705	5547	5291	5326	5312	5497	5299	5554	5518	5542	5622	5255
5302	5549	5517	5531	5602	5651	5673	5542	5708	5278	5561	5319	5263
5565	5661	5619	5280	5650	5580	5514	5660	5528	5696	5322	5285	5305
5495	5501	5568	5633	5600	5535	5564	5503	5594	5318	5645	5497	5256
5647	5587	5329	5493	5634	5659	5319	5324	5556	5313	5676	5508	5653
5599	5645	5628	5545	5521	5655	5310	5318	5532	5294	5616	5502	5510
5319	5635	5551	5516	5315	5696	5689	5591	5580	5656	5282	5699	5544
5500	5591	5541	5534	5680	5592	5295	5676	5667	5691	5252	5657	5679
5301	5562	5634	5303	5695	5316	5511	5330	5302	5660	5699	5600	5623
5511	5682	5594	5271	5704	5707	5590	5329	5677	5502	5621	5674	5639
5561	5251	5636	5559	5265	5633	5530	5662	5604	5515	5638	5682	5579
5499	5592	5258	5706	5584	5597	5518	5571	5632	5329	5613	5655	5301
5583	5696	5640	5552	5630	5701	5675	5254	5512	5623	5509	5551	5631
5664	5624	5616	5669	5593	5708	5508	5668	5611	5257	5325	5658	5325
5560	5563	5599	5292	5651	5566	5618	5315	5595	5593	5291	5676	5611
5620	5567	5292	5586	5496	5706	5256	5297	5691	5290	5294	5678	5710
5554	5555	5493	5318	5684	5506	5643	5327	5557	5621	5323	5549	5271
5693	5498	5656	5571	5310	5510	5271	5268	5655	5565	5258	5525	5515
5533	5526	5684	5695	5525	5635	5329	5560	5549	5539	5693	5256	5619
5611	5558	5643	5682	5500	5663	5581	5505	5619	5550	5537	5693	5269
5582	5507	5495	5654	5564	5255	5561	5607	5599	5569	5500	5585	5591
5271	5686	5252	5612	5279	5683	5533	5597	5290	5661	5697	5300	5581
5648	5692	5510	5322	5666	5613	5687	5703	5267	5541	5265	5584	5587
5696	5709	5575	5579	5679	5493	5653	5256	5607	5298	5534	5500	5652
5591	5303	5678	5629	5273	5571	5694	5302	5539	5498	5608	5592	5605
5710	5618	5572	5558	5610	5533	5258	5303	5672	5677	5656	5568	5528
5522	5308	5579	5662	5540	5278	5568	5527	5626	5528	5689	5621	5274
5325	5652	5302	5504	5519	5703	5693	5504	5600	5492	5524	5326	5315
5631	5288	5573	5696	5324	5688	5611	5697	5680	5522	5707	5323	5622
5309	5312	5328	5325	5493	5575	5516	5654	5304	5531	5505	5264	5514
5676	5674	5520	5652	5515	5523	5521	5581	5565	5308	5549	5697	5258
5289	5664	5686	5287	5499	5656	5268	5511	5581	5648	5639	5288	5276
5299	5281	5693	5301	5639	5491	5291	5493	5582	5305	5299	5506	5593
5330	5294	5560	5638	5590	5622	5305	5672	5492	5523	5575	5263	5603
5527	5706	5685	5690	5633	5537	5541	5281	5676	5662	5312	5510	5558
5604	5648	5527	5503	5706	5695	5313	5261	5707	5710	5553	5707	5330
5497	5282	5272	5257	5563	5541	5283	5507	5497	5580	5649	5309	5651
5587	5677	5700	5297	5287	5266	5265	5270	5687	5491	5648	5601	5698
5614	5665	5654	5680	5532	5691	5565	5629	5641	5302	5250	5597	5288
5590	5700	5535	5651	5539	5550	5302	5526	5524	5585	5541	5548	5691
5589	5323	5324	5581	5671		5626	5323	5291	5266	5539	5278	5259
5300	5321	5696	5311	5660		5312	5605	5568	5601	5271	5517	5322

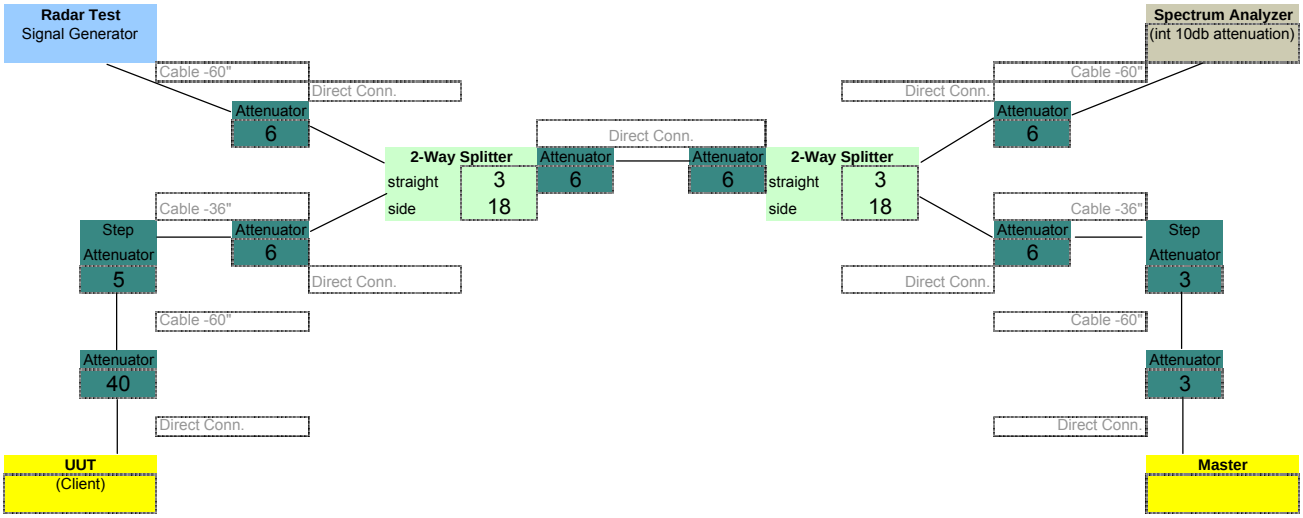
Statistical Performance Check - Monitor Radio 96 kHz

FCC-Type 6, Trial 3 of 3
All Frequencies in MHz

Trial #27	Trial #28	Trial #29	Trial #30
PASS	PASS	PASS	PASS
5522	5702	5596	5571
5683	5518	5567	5276
5284	5600	5646	5260
5619	5582	5265	5300
5665	5620	5274	5524
5644	5672	5598	5691
5636	5502	5618	5528
5493	5534	5279	5507
5614	5580	5286	5559
5541	5328	5518	5324
5548	5542	5306	5700
5330	5597	5668	5278
5680	5284	5645	5625
5510	5511	5691	5555
5500	5507	5705	5273
5551	5708	5591	5629
5606	5663	5674	5586
5631	5667	5497	5330
5305	5321	5706	5250
5583	5603	5661	5513
5663	5641	5292	5667
5516	5687	5260	5501
5706	5586	5696	5627
5682	5508	5635	5665
5309	5499	5589	5311
5578	5632	5526	5263
5502	5281	5707	5631
5282	5510	5649	5570
5288	5657	5660	5666
5570	5304	5281	5630
5272	5533	5620	5636
5315	5307	5695	5577
5328	5552	5624	5576
5661	5301	5520	5527
5292	5494	5595	5309
5299	5506	5327	5702
5648	5501	5687	5301
5677	5271	5604	5307
5287	5537	5285	5328
5653	5662	5578	5616
5507	5688	5525	5537
5700	5557	5319	5708
5659	5497	5501	5641
5560	5490	5593	5584
5675	5686	5276	5500
5497	5296	5543	5600
5550	5656	5673	5313
5600	5266	5314	5594
5539	5280	5689	5608
5254	5622	5601	5657
5324	5640	5308	5693
5252	5278	5322	5569
5596	5693	5656	5662
5285	5644	5280	5554
5626	5259	5688	5543
5642	5646	5590	5634
5655	5598	5663	5651
5308	5577	5662	5517
5543	5692	5576	
5628	5673	5302	
5657		5574	
5660		5545	
5613		5708	
5572		5637	
5524		5653	
5515			
5564			
5283			
5303			
5255			

Statistical Performance Check - Monitor Radio 96 kHz

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Statistical Performance Check - Monitor Radio 48 kHz

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	24
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	7/8/2011	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Analog Signal Generator	Agilent	N5181A	TIG	3/28/2014	36
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. An approved media file was streamed through a master and client system. The configuration and status of the master device was monitored for a percentage of successful detections per radar type.

The statistical performance of the UUT is based off a 30 trial test run. As fully described earlier in this report, the measured and verified -62dBm threshold radar types 1-6 were used to illustrate the statistical performance of the UUT as define in the testing procedure.

Statistical Performance Check - Monitor Radio 48 kHz

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/20/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

None

Configuration #	4	Signature

						Value	Limit	Result
Monitor Radio								
	48 kHz Sampling Frequency							
		5300 MHz						
		Radar 1					100.0%	60.0%	PASS
		Radar 2					100.0%	60.0%	PASS
		Radar 3					96.7%	60.0%	PASS
		Radar 4					100.0%	60.0%	PASS
		Radar 1-4 Summary	100.0%	100.0%	96.7%	100.0%	96.7%	80.0%	PASS
		Radar 5					100.0%	80.0%	PASS
		Radar 6					100.0%	70.0%	PASS

Statistical Performance Check - Monitor Radio 48 kHz

Monitor Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 1

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Monitor Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 2

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	28	3.600 us	182.000 us
2	PASS	26	4.700 us	205.000 us
3	PASS	27	4.600 us	214.000 us
4	PASS	27	2.700 us	152.000 us
5	PASS	28	1.200 us	173.000 us
6	PASS	24	4.500 us	226.000 us
7	PASS	24	1.700 us	164.000 us
8	PASS	23	3.300 us	157.000 us
9	PASS	28	2.300 us	196.000 us
10	PASS	24	4.900 us	160.000 us
11	PASS	27	4.100 us	158.000 us
12	PASS	28	2.600 us	179.000 us
13	PASS	29	1.200 us	184.000 us
14	PASS	25	3.300 us	168.000 us
15	PASS	26	3.100 us	153.000 us
16	PASS	25	3.000 us	188.000 us
17	PASS	25	2.700 us	209.000 us
18	PASS	25	4.500 us	222.000 us
19	PASS	23	3.100 us	156.000 us
20	PASS	25	2.200 us	158.000 us
21	PASS	24	4.500 us	170.000 us
22	PASS	28	2.000 us	212.000 us
23	PASS	26	3.600 us	189.000 us
24	PASS	29	2.400 us	222.000 us
25	PASS	23	1.100 us	161.000 us
26	PASS	23	4.400 us	162.000 us
27	PASS	25	3.000 us	225.000 us
28	PASS	25	3.100 us	230.000 us
29	PASS	25	2.700 us	198.000 us
30	PASS	27	5.000 us	206.000 us

Statistical Performance Check - Monitor Radio 48 kHz

Monitor Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 3

				Value	Limit	Result
				96.7%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	18	8.600 us	426.000 us
2	PASS	17	9.500 us	362.000 us
3	PASS	16	8.000 us	227.000 us
4	PASS	17	8.800 us	213.000 us
5	PASS	18	7.000 us	304.000 us
6	PASS	16	8.300 us	350.000 us
7	PASS	16	8.200 us	381.000 us
8	PASS	17	9.400 us	415.000 us
9	PASS	16	8.800 us	390.000 us
10	PASS	16	7.300 us	280.000 us
11	PASS	17	9.400 us	497.000 us
12	PASS	16	8.200 us	379.000 us
13	PASS	17	9.600 us	386.000 us
14	PASS	18	8.200 us	422.000 us
15	PASS	18	8.700 us	500.000 us
16	PASS	18	8.600 us	231.000 us
17	PASS	18	9.100 us	254.000 us
18	PASS	17	6.500 us	282.000 us
19	PASS	17	6.500 us	400.000 us
20	PASS	16	6.200 us	203.000 us
21	PASS	17	6.700 us	437.000 us
22	PASS	16	6.400 us	385.000 us
23	PASS	17	8.100 us	486.000 us
24	PASS	16	8.800 us	435.000 us
25	FAIL	17	6.100 us	303.000 us
26	PASS	17	7.400 us	342.000 us
27	PASS	18	6.300 us	435.000 us
28	PASS	17	7.100 us	460.000 us
29	PASS	17	7.100 us	456.000 us
30	PASS	17	6.100 us	232.000 us

Monitor Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 4

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	16	11.000 us	375.000 us
2	PASS	16	13.900 us	264.000 us
3	PASS	12	17.000 us	414.000 us
4	PASS	12	18.100 us	307.000 us
5	PASS	12	12.100 us	203.000 us
6	PASS	14	17.600 us	357.000 us
7	PASS	13	15.100 us	447.000 us
8	PASS	13	19.800 us	216.000 us
9	PASS	15	18.300 us	474.000 us
10	PASS	15	18.500 us	460.000 us
11	PASS	13	13.000 us	371.000 us
12	PASS	16	11.900 us	273.000 us
13	PASS	12	16.300 us	393.000 us
14	PASS	16	14.000 us	415.000 us
15	PASS	12	18.100 us	432.000 us
16	PASS	14	17.200 us	238.000 us
17	PASS	15	17.500 us	242.000 us
18	PASS	15	18.500 us	472.000 us
19	PASS	12	18.500 us	472.000 us
20	PASS	15	12.300 us	346.000 us
21	PASS	12	17.300 us	364.000 us
22	PASS	13	16.900 us	234.000 us
23	PASS	16	14.600 us	240.000 us
24	PASS	15	19.500 us	448.000 us
25	PASS	13	15.700 us	200.000 us
26	PASS	14	16.400 us	376.000 us
27	PASS	15	15.000 us	290.000 us
28	PASS	16	13.900 us	473.000 us
29	PASS	13	16.600 us	307.000 us
30	PASS	12	19.000 us	255.000 us

Statistical Performance Check - Monitor Radio 48 kHz

Monitor Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 1-4 Summary						
Radar 1	**Radar 2**	**Radar 3**	**Radar 4**	**Value**	**Limit**	**Result**
100%	100%	96.70%	100%	96.70%	80%	PASS

Monitor Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 5						
				Value	**Limit**	**Result**
				100.0%	80.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Statistical Performance Check - Monitor Radio 48 kHz

Monitor Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 6

				Value	Limit	Result
				100.0%	70.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 1 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	377366	3	11	60	1209	1217	1794	377366	0	1499999
2	1751474	1	13	95	1738	0	0	2133060	1500000	2999999
3	2292280	3	20	90	1396	1167	1527	4427078	3000000	4499999
4	1186303	2	8	65	1572	1242	0	5617471	4500000	5999999
5	912059	1	20	50	1715	0	0	6532344	6000000	7499999
6	1335698	2	5	75	1701	1363	0	7869757	7500000	8999999
7	2072203	2	7	80	1945	1661	0	9945024	9000000	10499999
8	1748856	3	13	80	1645	1327	1406	11697486	10500000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 2 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	97002	2	13	55	1438	1435	0	97002	0	749999
2	897942	3	9	55	1348	1647	1059	997817	750000	1499999
3	782562	2	17	90	1671	1339	0	1784433	1500000	2249999
4	913948	1	16	55	1226	0	0	2701391	2250000	2999999
5	962073	1	12	90	1892	0	0	3664690	3000000	3749999
6	300167	3	7	65	1106	1043	1120	3966749	3750000	4499999
7	1250307	2	16	95	1251	1792	0	5220325	4500000	5249999
8	553908	1	16	65	1241	0	0	5777276	5250000	5999999
9	672280	1	14	95	1352	0	0	6450797	6000000	6749999
10	930852	3	20	75	1753	1667	1062	7383001	6750000	7499999
11	386742	2	6	75	1877	1390	0	7774225	7500000	8249999
12	952503	1	6	100	1242	0	0	8729995	8250000	8999999
13	963728	3	11	75	1324	1464	1897	9694965	9000000	9749999
14	335772	3	7	85	1189	1802	1922	10035422	9750000	10499999
15	518058	2	14	85	1009	1326	0	10558393	10500000	11249999
16	861562	2	6	80	1003	1290	0	11422290	11250000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 3 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	741652	1	9	70	1902	0	0	741652	0	1499999
2	1877307	2	7	85	1257	1310	0	2620861	1500000	2999999
3	1474961	1	12	95	1785	0	0	4098389	3000000	4499999
4	1497879	1	12	85	1826	0	0	5598053	4500000	5999999
5	1796772	1	20	70	1266	0	0	7396651	6000000	7499999
6	372640	1	6	95	1600	0	0	7770557	7500000	8999999
7	2579762	1	5	70	1967	0	0	10351919	9000000	10499999
8	1085246	2	11	100	1438	1469	0	11439132	10500000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 4 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	568402	3	20	80	1272	1388	1145	568402	0	1333332
2	1108301	2	18	80	1757	1557	0	1680508	1333333	2666665
3	1118063	1	12	100	1107	0	0	2801885	2666666	3999998
4	1506522	2	18	100	1451	1865	0	4309514	3999999	5333331
5	1570279	2	12	60	1109	1315	0	5883109	5333332	6666664
6	1133050	1	11	100	1377	0	0	7018583	6666665	7999997
7	1482007	1	6	70	1012	0	0	8501967	7999998	9333330
8	1954081	3	20	50	1025	1066	1628	10457060	9333331	10666663
9	394096	3	5	95	1339	1072	1375	10854875	10666664	11999996

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 5 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1012833	1	12	80	1507	0	0	1012833	0	1333332
2	727174	2	7	65	1995	1574	0	1741514	1333333	2666665
3	1069841	3	10	70	1696	1950	1462	2814924	2666666	3999998
4	2476684	2	8	75	1790	1925	0	5296716	3999999	5333331
5	407142	2	15	75	1807	1559	0	5707573	5333332	6666664
6	1979322	3	5	65	1565	1381	1474	7690261	6666665	7999997
7	342705	3	15	90	1820	1549	1522	8037386	7999998	9333330
8	2055192	1	14	85	1458	0	0	10097469	9333331	10666663
9	751027	3	5	75	1668	1113	1041	10849954	10666664	11999996

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 6 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	147779	2	15	55	1262	1862	0	147779	0	749999
2	1187998	3	18	90	1091	1207	1828	1338901	750000	1499999
3	542435	2	13	55	1851	1965	0	1885462	1500000	2249999
4	760291	2	9	50	1674	1238	0	2649569	2250000	2999999
5	543850	1	7	55	1718	0	0	3196331	3000000	3749999
6	558579	1	7	85	1692	0	0	3756628	3750000	4499999
7	1098938	1	5	80	1364	0	0	4857258	4500000	5249999
8	835193	2	12	80	1470	1432	0	5693815	5250000	5999999
9	564270	2	7	95	1859	1482	0	6260987	6000000	6749999
10	1137354	2	12	70	1913	1873	0	7401682	6750000	7499999
11	421405	2	11	65	1112	1640	0	7826873	7500000	8249999
12	689293	2	20	60	1924	1372	0	8518918	8250000	8999999
13	693325	2	6	80	1073	1362	0	9215539	9000000	9749999
14	792014	2	20	80	1536	1808	0	10009988	9750000	10499999
15	1105192	1	8	95	1622	0	0	11118524	10500000	11249999
16	594186	2	15	50	1938	1072	0	11714332	11250000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 7 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	693008	1	20	70	1608	0	0	693008	0	1090908
2	1016383	1	16	65	1397	0	0	1710999	1090909	2181817
3	617197	3	9	65	1098	1684	1027	2329593	2181818	3272726
4	1958697	1	5	75	1673	0	0	4292099	3272727	4363635
5	358508	2	17	50	1861	1270	0	4652280	4363636	5454544
6	1240695	1	11	100	1690	0	0	5896106	5454545	6545453
7	1050528	2	13	95	1537	1708	0	6948324	6545454	7636362
8	1719124	2	9	100	1041	1997	0	8670693	7636363	8727271
9	294610	1	12	90	1009	0	0	8968341	8727272	9818180
10	1727305	1	7	95	1960	0	0	10696655	9818181	10909089
11	755754	3	10	85	1251	1123	1037	11454369	10909090	11999998

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 8 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	455598	3	9	100	1038	1743	1392	455598	0	799999
2	448087	1	5	90	1999	0	0	907858	800000	1599999
3	1045571	1	14	95	1712	0	0	1955428	1600000	2399999
4	1139673	2	17	60	1498	1904	0	3096813	2400000	3199999
5	218372	1	18	90	1133	0	0	3318587	3200000	3999999
6	993271	2	10	50	1264	1068	0	4312991	4000000	4799999
7	1043898	1	14	95	1235	0	0	5359221	4800000	5599999
8	889543	2	17	85	1348	1848	0	6249999	5600000	6399999
9	380484	1	13	70	1084	0	0	6633679	6400000	7199999
10	1151746	2	15	70	1999	1853	0	7786509	7200000	7999999
11	886027	1	11	80	1189	0	0	8676388	8000000	8799999
12	148742	3	14	50	1182	1803	1019	8826319	8800000	9599999
13	933347	1	9	90	1713	0	0	9763670	9600000	10399999
14	659018	2	10	90	1694	1470	0	10424401	10400000	11199999
15	821708	3	18	85	1531	1914	1191	11249273	11200000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 9 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	809034	1	19	70	1340	0	0	809034	0	1090908
2	977374	2	5	50	1502	1610	0	1787748	1090909	2181817
3	637305	1	14	55	1885	0	0	2428165	2181818	3272726
4	1523757	3	12	80	1522	1920	1190	3953807	3272727	4363635
5	943195	2	5	75	1028	1139	0	4901634	4363636	5454544
6	1102245	1	12	50	1891	0	0	6006046	5454545	6545453
7	877402	2	10	65	1307	1067	0	6885339	6545454	7636362
8	1160013	3	17	90	1710	1053	1002	8047726	7636363	8727271
9	1626322	3	8	60	1265	1499	1064	9677813	8727272	9818180
10	1127375	2	12	95	1489	1542	0	10809016	9818181	10909089
11	470552	2	15	95	1480	1033	0	11282599	10909090	11999998

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 10 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	357800	3	18	75	1745	1944	1386	357800	0	599999
2	348970	1	6	85	1924	0	0	711845	600000	1199999
3	631337	2	6	100	1406	1647	0	1345106	1200000	1799999
4	859261	3	8	65	1480	1987	1056	2207420	1800000	2399999
5	358573	3	13	90	1404	1663	1422	2570516	2400000	2999999
6	457532	3	16	65	1513	1498	1305	3032537	3000000	3599999
7	1082409	1	14	65	1174	0	0	4119262	3600000	4199999
8	125981	2	11	85	1319	1457	0	4246417	4200000	4799999
9	1001291	3	12	80	1299	1700	1647	5250484	4800000	5399999
10	170164	2	11	75	1714	1749	0	5425294	5400000	5999999
11	752853	3	7	70	1329	1162	1460	6181610	6000000	6599999
12	933504	2	20	75	1966	1415	0	7119065	6600000	7199999
13	418608	2	17	65	1028	1128	0	7541054	7200000	7799999
14	551179	1	9	90	1123	0	0	8094389	7800000	8399999
15	402273	1	16	65	1461	0	0	8497785	8400000	8999999
16	1042137	3	7	90	1731	1375	1712	9541383	9000000	9599999
17	526742	2	15	65	1899	1298	0	10072943	9600000	10199999
18	174592	3	7	70	1449	1657	1526	10250732	10200000	10799999
19	1106017	1	9	65	1937	0	0	11361381	10800000	11399999
20	623732	3	16	80	1866	1713	1239	11987050	11400000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 11 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	234575	1	19	65	1537	0	0	234575	0	1090908
2	1727234	3	14	95	1513	1976	1676	1963346	1090909	2181817
3	1293251	1	9	65	1237	0	0	3261762	2181818	3272726
4	1078369	1	8	65	1163	0	0	4341368	3272727	4363635
5	757532	3	12	50	1630	1604	1490	5100063	4363636	5454544
6	908801	3	13	50	1503	1931	1660	6013588	5454545	6545453
7	1034967	3	10	100	1782	1462	1841	7053649	6545454	7636362
8	1533346	3	17	90	1109	1757	1013	8592080	7636363	8727271
9	963917	3	9	95	1367	1151	1682	9559876	8727272	9818180
10	697741	3	13	70	1948	1298	1347	10261817	9818181	10909089
11	1306690	2	10	55	1116	1775	0	11573100	10909090	11999998

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 12 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	805432	2	12	60	1863	1896	0	805432	0	1090908
2	741370	1	13	55	1143	0	0	1550561	1090909	2181817
3	1633785	2	17	75	1356	1902	0	3185489	2181818	3272726
4	834957	1	15	90	1222	0	0	4023704	3272727	4363635
5	1054584	3	15	80	1161	1754	1976	5079510	4363636	5454544
6	1454418	3	7	80	1653	1587	1943	6538819	5454545	6545453
7	485999	2	18	70	1499	1917	0	7030001	6545454	7636362
8	1095881	3	6	75	1810	1018	1928	8129298	7636363	8727271
9	982156	1	12	90	1871	0	0	9116210	8727272	9818180
10	979692	2	11	60	1132	1556	0	10097773	9818181	10909089
11	1555295	1	18	95	1301	0	0	11655756	10909090	11999998

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 13 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	786536	1	14	100	1548	0	0	786536	0	1199999
2	1343086	1	9	80	1729	0	0	2131170	1200000	2399999
3	739891	3	15	85	1945	1366	1249	2872790	2400000	3599999
4	1736536	3	13	50	1818	1172	1171	4613886	3600000	4799999
5	559145	3	11	80	1562	1371	1731	5177192	4800000	5999999
6	1303058	2	16	70	1136	1187	0	6484914	6000000	7199999
7	1788145	3	14	85	1493	1163	1432	8275382	7200000	8399999
8	1063730	2	18	100	1032	1167	0	9343200	8400000	9599999
9	728192	1	20	85	1211	0	0	10073591	9600000	10799999
10	1489838	1	11	60	1767	0	0	11564640	10800000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 14 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	167348	2	14	100	1019	1236	0	167348	0	749999
2	581437	2	8	85	1030	1523	0	751040	750000	1499999
3	1448494	3	15	60	1321	1659	1398	2202087	1500000	2249999
4	511083	1	8	85	1942	0	0	2717548	2250000	2999999
5	350164	2	20	95	1728	1588	0	3069654	3000000	3749999
6	1058556	1	9	100	1497	0	0	4131526	3750000	4499999
7	680464	2	19	95	1834	1318	0	4813487	4500000	5249999
8	954581	3	9	75	1621	1490	1695	5771220	5250000	5999999
9	225539	2	18	50	1600	1665	0	6001565	6000000	6749999
10	1452770	2	15	95	1051	1187	0	7457600	6750000	7499999
11	634358	2	7	80	1840	1184	0	8094196	7500000	8249999
12	748595	3	7	90	1945	1811	1609	8845815	8250000	8999999
13	435967	1	10	100	1788	0	0	9287147	9000000	9749999
14	706398	3	7	70	1430	1632	1059	9995333	9750000	10499999
15	1140549	1	18	65	1772	0	0	11140003	10500000	11249999
16	536049	2	19	90	1433	1792	0	11677824	11250000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 15 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	101168	3	11	95	1185	1050	1874	101168	0	1499999
2	1657287	2	20	65	1292	1001	0	1762564	1500000	2999999
3	2308008	3	5	75	1179	1584	1103	4072865	3000000	4499999
4	460090	3	14	70	1849	1031	1608	4536821	4500000	5999999
5	2936000	3	19	65	1635	1479	1027	7477309	6000000	7499999
6	1309009	3	16	60	1844	1740	1551	8790459	7500000	8999999
7	1692869	2	19	75	1431	1698	0	10488463	9000000	10499999
8	1295004	2	13	60	1654	1609	0	11786596	10500000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 16 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	233246	2	10	90	1837	1954	0	233246	0	923076
2	1341185	2	11	70	1375	1765	0	1578222	923077	1846153
3	829126	2	5	75	1382	1364	0	2410488	1846154	2769230
4	402796	1	19	70	1744	0	0	2816030	2769231	3692307
5	1303384	2	9	85	1884	1373	0	4121158	3692308	4615384
6	657325	2	19	60	1587	1014	0	4781740	4615385	5538461
7	797534	3	13	80	1035	1953	1765	5581875	5538462	6461538
8	1787442	2	17	50	1098	1996	0	7374070	6461539	7384615
9	695997	2	9	80	1818	1533	0	8073161	7384616	8307692
10	793479	3	10	55	1384	1023	1695	8869991	8307693	9230769
11	1128329	2	18	55	1139	1421	0	10002422	9230770	10153846
12	841852	3	10	100	1333	1741	1743	10846834	10153847	11076923
13	960651	2	15	75	1107	1714	0	11812302	11076924	12000000

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 17 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	329257	1	13	100	1173	0	0	329257	0	705881
2	928532	2	9	100	1121	1496	0	1258962	705882	1411763
3	319723	1	17	85	1074	0	0	1581302	1411764	2117645
4	926127	2	7	95	1666	1847	0	2508503	2117646	2823527
5	533182	2	10	85	1640	1039	0	3045198	2823528	3529409
6	483639	3	15	85	1282	1670	1172	3531516	3529410	4235291
7	1356549	3	5	95	1074	1166	1730	4892189	4235292	4941173
8	613551	1	12	55	1591	0	0	5509710	4941174	5647055
9	698715	1	13	80	1772	0	0	6210016	5647056	6352937
10	382262	3	12	80	1250	1028	1134	6594050	6352938	7058819
11	673352	3	13	70	1514	1445	1908	7270814	7058820	7764701
12	510714	2	8	75	1162	1583	0	7786395	7764702	8470583
13	1051659	2	7	55	1067	1065	0	8840799	8470584	9176465
14	652920	3	7	50	1476	1437	1995	9495851	9176466	9882347
15	736919	2	17	100	1682	1002	0	10237678	9882348	10588229
16	413348	3	14	85	1205	1339	1904	10653710	10588230	11294111
17	857924	1	10	100	1023	0	0	11516082	11294112	11999993

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 18 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	728602	2	9	55	1369	1385	0	728602	0	749999
2	445259	3	14	60	1829	1034	1936	1176615	750000	1499999
3	974408	3	15	100	1365	1263	1094	2155822	1500000	2249999
4	530311	3	5	100	1170	1495	1844	2689855	2250000	2999999
5	385590	2	19	75	1330	1386	0	3079954	3000000	3749999
6	904859	2	7	50	1948	1017	0	3987529	3750000	4499999
7	1210381	2	6	100	1446	1043	0	5200875	4500000	5249999
8	688101	2	17	70	1080	1516	0	5891465	5250000	5999999
9	321032	3	14	100	1805	1383	1282	6215093	6000000	6749999
10	954936	3	6	70	1204	1566	1922	7174499	6750000	7499999
11	471083	1	8	90	1225	0	0	7650274	7500000	8249999
12	730455	1	10	90	1312	0	0	8381954	8250000	8999999
13	636287	1	12	80	1714	0	0	9019553	9000000	9749999
14	1373574	3	11	85	1094	1215	1768	10394841	9750000	10499999
15	764524	2	11	90	1088	1267	0	11163442	10500000	11249999
16	219747	2	16	50	1831	1366	0	11385544	11250000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 19 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	54092	2	10	70	1349	1867	0	54092	0	666666
2	824308	3	20	60	1102	1961	1971	881616	666667	1333333
3	965391	2	11	65	1015	1935	0	1852041	1333334	2000000
4	557691	2	9	60	1899	1880	0	2412682	2000001	2666667
5	290833	2	19	75	1937	1134	0	2707294	2666668	3333334
6	1274559	2	16	50	1893	1198	0	3984924	3333335	4000001
7	436083	2	10	70	1710	1771	0	4424098	4000002	4666668
8	450884	2	15	80	1310	1114	0	4878463	4666669	5333335
9	1055070	2	9	85	1476	1208	0	5935957	5333336	6000002
10	243604	3	8	90	1427	1778	1425	6182245	6000003	6666669
11	910668	2	18	50	1988	1548	0	7097543	6666670	7333336
12	235567	1	17	50	1442	0	0	7336646	7333337	8000003
13	848488	3	13	100	1524	1882	1946	8186576	8000004	8666670
14	583642	1	9	70	1687	0	0	8775570	8666671	9333337
15	665901	3	14	70	1383	1873	1606	9443158	9333338	10000004
16	1062514	2	15	55	1415	1573	0	10510534	10000005	10666671
17	476676	2	18	70	1039	1074	0	10990198	10666672	11333338
18	774251	2	5	80	1834	1755	0	11766562	11333339	12000005

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 20 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	362179	1	12	55	1498	0	0	362179	0	1499999
2	1287549	3	6	70	1103	1911	1696	1651226	1500000	2999999
3	2406680	1	17	65	1620	0	0	4062616	3000000	4499999
4	1804320	1	10	65	1639	0	0	5868556	4500000	5999999
5	486091	3	18	60	1957	1638	1380	6356286	6000000	7499999
6	1218869	3	18	65	1702	1178	1907	7580130	7500000	8999999
7	1648706	1	16	100	1773	0	0	9233623	9000000	10499999
8	1879921	2	19	60	1554	1919	0	11115317	10500000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 21 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	17266	1	18	80	1636	0	0	17266	0	666666
2	1287417	1	14	80	1314	0	0	1306319	666667	1333333
3	641873	1	10	75	1915	0	0	1949506	1333334	2000000
4	618017	3	11	50	1040	1668	1064	2569438	2000001	2666667
5	263525	1	11	70	1378	0	0	2836735	2666668	3333334
6	830544	3	18	80	1467	1912	1769	3668657	3333335	4000001
7	665018	1	15	75	1798	0	0	4338823	4000002	4666668
8	586092	1	9	70	1157	0	0	4926713	4666669	5333335
9	646477	3	17	70	1265	1058	1708	5574347	5333336	6000002
10	750312	3	7	100	1729	1634	1990	6328690	6000003	6666669
11	921924	2	11	50	1675	1641	0	7255967	6666670	7333336
12	249271	1	15	55	1847	0	0	7508554	7333337	8000003
13	814892	1	17	80	1448	0	0	8325293	8000004	8666670
14	765371	1	6	80	1603	0	0	9092112	8666671	9333337
15	439267	1	5	70	1761	0	0	9532982	9333338	10000004
16	1002824	1	14	80	1121	0	0	10537567	10000005	10666671
17	439435	1	19	80	1749	0	0	10978123	10666672	11333338
18	661732	3	11	50	1726	1103	1256	11641604	11333339	12000005

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 22 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	550588	1	17	90	1025	0	0	550588	0	749999
2	424784	2	7	75	1922	1610	0	976397	750000	1499999
3	565919	3	11	60	1224	1110	1628	1545848	1500000	2249999
4	706749	3	11	70	1022	1763	1069	2256559	2250000	2999999
5	1384152	1	7	60	1353	0	0	3644565	3000000	3749999
6	539865	2	19	95	1923	1709	0	4185783	3750000	4499999
7	618892	1	12	60	1711	0	0	4808307	4500000	5249999
8	1029740	3	5	85	1842	1204	1913	5839758	5250000	5999999
9	520464	3	10	100	1138	1741	1053	6365181	6000000	6749999
10	386952	3	18	50	1600	1429	1619	6756065	6750000	7499999
11	1057823	1	9	85	1384	0	0	7818536	7500000	8249999
12	517817	2	14	85	1859	1743	0	8337737	8250000	8999999
13	1350950	1	7	80	1250	0	0	9692289	9000000	9749999
14	414953	1	7	60	1250	0	0	10108492	9750000	10499999
15	842870	1	15	65	1942	0	0	10952612	10500000	11249999
16	948621	2	5	75	1414	1704	0	11903175	11250000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 23 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	290214	3	10	80	1807	1943	1582	290214	0	749999
2	841898	1	11	50	1414	0	0	1137444	750000	1499999
3	1064888	2	17	80	1266	1091	0	2203746	1500000	2249999
4	158090	1	5	70	1676	0	0	2364193	2250000	2999999
5	820135	1	14	95	1237	0	0	3186004	3000000	3749999
6	1098689	1	7	55	1679	0	0	4285930	3750000	4499999
7	695584	2	7	95	1801	1772	0	4983193	4500000	5249999
8	706903	1	20	60	1908	0	0	5693669	5250000	5999999
9	613795	3	12	80	1250	1162	1604	6309372	6000000	6749999
10	738447	1	19	70	1104	0	0	7051835	6750000	7499999
11	1190662	3	5	75	1268	1232	1703	8243601	7500000	8249999
12	352530	1	17	60	1926	0	0	8600334	8250000	8999999
13	658339	1	13	85	1309	0	0	9260599	9000000	9749999
14	859165	1	13	75	1003	0	0	10121073	9750000	10499999
15	546921	3	15	100	1767	1976	1676	10668997	10500000	11249999
16	667188	3	7	90	1607	1787	1292	11341604	11250000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 24 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	532141	2	12	70	1485	1062	0	532141	0	1333332
2	1663263	1	16	85	1675	0	0	2197951	1333333	2666665
3	631689	1	8	65	1000	0	0	2831315	2666666	3999998
4	1998428	3	6	80	1886	1056	1354	4830743	3999999	5333331
5	1048300	3	20	85	1866	1558	1438	5883339	5333332	6666664
6	1124504	1	13	75	1891	0	0	7012705	6666665	7999997
7	2057503	2	19	75	1083	1949	0	9072099	7999998	9333330
8	381485	3	14	100	1201	1855	1400	9456616	9333331	10666663
9	1742115	1	10	60	1002	0	0	11203187	10666664	11999996

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 25 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	732876	2	10	70	1862	1133	0	732876	0	1333332
2	670658	1	8	50	1766	0	0	1406529	1333333	2666665
3	2545919	1	8	75	1759	0	0	3954214	2666666	3999998
4	214191	2	6	95	1841	1919	0	4170164	3999999	5333331
5	1845208	1	16	95	1650	0	0	6019132	5333332	6666664
6	1884598	3	5	85	1795	1264	1596	7905380	6666665	7999997
7	505772	1	7	85	1506	0	0	8415807	7999998	9333330
8	1440076	1	8	70	1209	0	0	9857389	9333331	10666663
9	1553628	2	20	90	1868	1951	0	11412226	10666664	11999996

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 26 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	349101	1	8	75	1211	0	0	349101	0	1199999
2	1601320	3	17	85	1303	1787	1924	1951632	1200000	2399999
3	1144810	3	15	55	1883	1006	1024	3101456	2400000	3599999
4	1587309	2	12	65	1895	1415	0	4692678	3600000	4799999
5	235828	3	20	55	1715	1961	1023	4931816	4800000	5999999
6	1581036	2	7	65	1014	1616	0	6517551	6000000	7199999
7	1500911	3	10	95	1941	1096	1463	8021092	7200000	8399999
8	763103	1	9	80	1920	0	0	8788695	8400000	9599999
9	1824227	2	19	95	1815	1878	0	10614842	9600000	10799999
10	311345	2	11	55	1486	1065	0	10929880	10800000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 27 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	365529	1	11	65	1837	0	0	365529	0	599999
2	349957	1	14	100	1536	0	0	717323	600000	1199999
3	984705	2	14	60	1385	1864	0	1703564	1200000	1799999
4	522217	1	14	90	1459	0	0	2229030	1800000	2399999
5	431834	3	8	70	1945	1482	1026	2662323	2400000	2999999
6	638289	3	13	85	1118	1707	1971	3305065	3000000	3599999
7	605987	3	9	65	1881	1276	1556	3915848	3600000	4199999
8	725429	2	6	85	1397	1625	0	4645990	4200000	4799999
9	195787	1	15	100	1143	0	0	4844799	4800000	5399999
10	688766	3	16	70	1509	1518	1405	5534708	5400000	5999999
11	958423	1	8	60	1975	0	0	6497563	6000000	6599999
12	329875	1	14	60	1476	0	0	6829413	6600000	7199999
13	665053	3	19	70	1826	1936	1620	7495942	7200000	7799999
14	714146	1	9	95	1676	0	0	8215470	7800000	8399999
15	184875	1	17	85	1759	0	0	8402021	8400000	8999999
16	1141160	2	12	100	1675	1059	0	9544940	9000000	9599999
17	62746	2	7	100	1267	1259	0	9610420	9600000	10199999
18	1058028	2	13	95	1852	1722	0	10670974	10200000	10799999
19	611978	1	19	55	1861	0	0	11286526	10800000	11399999
20	170960	1	10	65	1098	0	0	11459347	11400000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 28 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	420662	1	12	70	1348	0	0	420662	0	999999
2	1216431	2	14	75	1841	1248	0	1638441	1000000	1999999
3	1148823	2	19	80	1726	1120	0	2790353	2000000	2999999
4	992766	3	18	80	1238	1973	1233	3785965	3000000	3999999
5	510889	3	15	55	1556	1238	1787	4301298	4000000	4999999
6	725918	3	10	85	1003	1046	1922	5031797	5000000	5999999
7	1030718	3	19	95	1135	1284	1887	6066486	6000000	6999999
8	1188527	3	9	80	1297	1098	1337	7259319	7000000	7999999
9	1157693	2	10	75	1615	1589	0	8420744	8000000	8999999
10	1082126	3	20	65	1715	1624	1704	9506074	9000000	9999999
11	1189320	3	16	95	1380	1206	1124	10700437	10000000	10999999
12	437652	3	14	80	1503	1155	1866	11141799	11000000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 29 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	209601	1	15	75	1554	0	0	209601	0	749999
2	775482	3	19	65	1455	1107	1472	986637	750000	1499999
3	673471	2	15	55	1242	1468	0	1664142	1500000	2249999
4	882306	3	12	90	1548	1492	1354	2549158	2250000	2999999
5	1067921	3	17	70	1863	1976	1021	3621473	3000000	3749999
6	735452	2	16	75	1737	1521	0	4361785	3750000	4499999
7	202079	2	7	100	1853	1538	0	4567122	4500000	5249999
8	725960	3	8	70	1463	1886	1350	5296473	5250000	5999999
9	1222316	2	8	75	1265	1393	0	6523488	6000000	6749999
10	296468	3	14	65	1837	1862	1768	6822614	6750000	7499999
11	1195356	2	17	100	1029	1501	0	8023437	7500000	8249999
12	838235	3	6	85	1530	1284	1149	8864202	8250000	8999999
13	226127	3	14	65	1900	1297	1133	9094292	9000000	9749999
14	707508	3	5	95	1514	1716	1422	9806130	9750000	10499999
15	838121	1	10	85	1351	0	0	10648903	10500000	11249999
16	1133848	3	14	60	1925	1310	1353	11784102	11250000	11999999

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 5, Trial 30 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	154255	1	19	100	1920	0	0	154255	0	1090908
2	1904390	3	9	65	1963	1330	1787	2060565	1090909	2181817
3	236059	1	10	95	1476	0	0	2301704	2181818	3272726
4	1007775	1	13	80	1450	0	0	3310955	3272727	4363635
5	1362327	3	14	100	1965	1872	1972	4674732	4363636	5454544
6	1146436	1	9	60	1772	0	0	5826977	5454545	6545453
7	892257	1	8	95	1689	0	0	6721006	6545454	7636362
8	1246840	2	5	55	1309	1340	0	7969535	7636363	8727271
9	1833962	1	11	85	1318	0	0	9806146	8727272	9818180
10	638039	3	12	75	1906	1340	1233	10445503	9818181	10909089
11	590940	2	10	80	1079	1602	0	11040922	10909090	11999998

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 6, Trial 1 of 3
All Frequencies in MHz

Trial #1	Trial #2	Trial #3	Trial #4	Trial #5	Trial #6	Trial #7	Trial #8	Trial #9	Trial #10	Trial #11	Trial #12	Trial #13
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5630	5703	5590	5708	5561	5274	5501	5495	5547	5546	5620	5321	5657
5619	5521	5268	5699	5280	5611	5521	5303	5312	5645	5702	5549	5330
5269	5588	5710	5707	5672	5581	5613	5310	5594	5320	5617	5539	5678
5618	5279	5496	5279	5530	5278	5566	5575	5680	5321	5512	5682	5677
5659	5664	5539	5676	5709	5558	5572	5565	5534	5575	5511	5510	5502
5570	5604	5275	5531	5283	5551	5632	5570	5703	5670	5499	5531	5614
5296	5268	5651	5253	5619	5629	5545	5251	5329	5287	5490	5671	5664
5300	5275	5520	5257	5624	5295	5307	5587	5306	5691	5681	5676	5634
5525	5638	5270	5552	5674	5555	5323	5300	5696	5560	5277	5660	5302
5632	5524	5598	5633	5502	5515	5586	5669	5544	5557	5516	5680	5541
5603	5540	5252	5319	5652	5668	5299	5298	5542	5709	5496	5535	5512
5548	5280	5700	5600	5494	5556	5538	5598	5309	5281	5260	5555	5645
5513	5629	5516	5316	5268	5651	5570	5605	5327	5316	5669	5554	5552
5520	5303	5548	5602	5495	5507	5274	5272	5263	5318	5575	5630	5499
5535	5553	5542	5681	5612	5605	5692	5258	5585	5555	5668	5648	5692
5273	5668	5592	5534	5573	5683	5660	5499	5605	5280	5544	5519	5562
5616	5634	5559	5313	5597	5627	5685	5664	5698	5592	5295	5705	5495
5261	5502	5501	5695	5678	5580	5500	5560	5671	5266	5633	5499	5498
5493	5265	5279	5658	5528	5566	5703	5621	5684	5627	5589	5683	5542
5624	5624	5620	5282	5560	5659	5293	5592	5603	5621	5283	5295	5633
5294	5288	5493	5548	5622	5257	5529	5674	5609	5511	5593	5276	5536
5577	5330	5705	5273	5629	5613	5308	5494	5640	5701	5548	5259	5652
5663	5504	5500	5589	5662	5672	5590	5278	5653	5524	5679	5692	5272
5685	5620	5585	5586	5591	5656	5585	5666	5551	5310	5278	5534	5710
5575	5695	5577	5565	5304	5310	5275	5631	5517	5591	5625	5604	5255
5571	5691	5565	5706	5576	5591	5649	5555	5553	5324	5664	5558	5571
5600	5499	5697	5540	5287	5694	5282	5660	5629	5569	5310	5658	5676
5646	5674	5596	5693	5285	5256	5550	5540	5253	5657	5708	5314	5500
5268	5285	5510	5510	5256	5543	5502	5520	5264	5652	5514	5266	5548
5265	5538	5605	5585	5263	5657	5699	5574	5318	5303	5700	5689	5705
5297	5635	5623	5326	5251	5267	5495	5512	5623	5625	5639	5256	5318
5572	5546	5638	5696	5520	5689	5320	5491	5540	5508	5635	5701	5277
5647	5535	5614	5269	5641	5595	5591	5274	5546	5563	5665	5614	5612
5291	5610	5689	5687	5504	5513	5678	5675	5533	5582	5657	5709	5572
5524	5573	5290	5284	5593	5631	5549	5622	5707	5590	5568	5661	5300
5651	5607	5491	5626	5592	5536	5506	5292	5612	5257	5325	5500	5577
5320	5590	5672	5314	5701	5684	5621	5307	5260	5630	5650	5556	5281
5302	5294	5299	5606	5684	5297	5667	5566	5593	5679	5294	5544	5534
5592	5253	5528	5563	5511	5692	5569	5695	5643	5655	5287	5296	5503
5640	5562	5330	5680	5635	5708	5541	5528	5611	5330	5521	5581	5524
5555	5510	5553	5293	5505	5545	5673	5629	5584	5496	5680	5601	5629
5568	5319	5292	5530	5513	5635	5289	5554	5708	5602	5288	5507	5640
5492	5600	5588	5330	5703	5663	5512	5270	5685	5615	5648	5564	5709
5661	5596	5276	5274	5588	5565	5544	5655	5285	5629	5493	5526	5311
5255	5603	5673	5598	5329	5706	5681	5524	5693	5534	5603	5496	5561
5500	5670	5555	5669	5276	5673	5568	5608	5596	5604	5495	5330	5323
5287	5710	5560	5522	5653	5578	5271	5709	5569	5532	5643	5254	5587
5609	5515	5586	5620	5537	5661	5587	5645	5286	5543	5296	5309	5574
5521	5304	5258	5596	5615	5674	5562	5607	5610	5273	5563	5279	5306
5491	5645	5305	5692	5571	5284	5291	5305	5648	5262	5529	5582	5684
5281	5300	5527	5310	5254	5621	5677	5639	5686	5653	5271	5700	5584
5648	5545	5629	5258	5657	5623	5492	5609	5664	5282	5670	5305	5694
5588	5313	5612	5283	5507	5494	5523	5302	5597	5314	5306	5655	5547
5545	5606	5669	5615	5594	5272	5661	5321	5560	5541		5584	5270
5602	5508	5652	5559	5604	5677	5694	5681	5270	5606		5267	5642
5546	5684	5310	5556	5704	5699	5258	5267	5295	5677		5306	5539
5638	5520	5662	5643	5319	5698	5606	5266	5608	5556		5679	5669
5649	5498	5633	5265	5546	5633	5707		5576	5259		5583	5649
5542	5595	5508	5288	5275	5546	5318		5321	5313		5669	
5251		5658	5501	5327	5538	5539		5524	5703		5592	
5497		5277	5550	5599	5616	5516		5516	5624		5687	

NORTHWEST EMC

Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 6, Trial 2 of 3
All Frequencies in MHz

Trial #14	Trial #15	Trial #16	Trial #17	Trial #18	Trial #19	Trial #20	Trial #21	Trial #22	Trial #23	Trial #24	Trial #25	Trial #26
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5330	5301	5677	5698	5492	5316	5519	5681	5515	5286	5687	5595	5521
5521	5536	5679	5673	5700	5659	5706	5562	5598	5291	5640	5630	5502
5684	5258	5572	5268	5575	5593	5616	5318	5667	5285	5264	5649	5691
5699	5543	5325	5684	5624	5565	5302	5306	5292	5536	5288	5640	5292
5586	5706	5664	5525	5531	5601	5635	5663	5670	5683	5583	5509	5498
5702	5668	5276	5548	5696	5272	5586	5689	5612	5327	5666	5645	5545
5555	5690	5522	5585	5281	5704	5293	5272	5683	5550	5592	5306	5584
5302	5323	5585	5315	5315	5498	5296	5623	5570	5510	5691	5658	5275
5301	5604	5593	5299	5686	5650	5582	5589	5302	5322	5661	5253	5556
5288	5564	5501	5703	5656	5313	5597	5531	5552	5276	5615	5259	5687
5695	5704	5526	5554	5309	5709	5641	5250	5626	5665	5323	5546	5595
5537	5492	5623	5303	5505	5582	5312	5592	5497	5614	5292	5518	5327
5673	5682	5492	5307	5657	5624	5324	5298	5599	5311	5652	5699	5617
5647	5602	5560	5592	5568	5577	5709	5687	5668	5704	5497	5260	5269
5251	5698	5628	5565	5709	5666	5556	5655	5621	5314	5651	5270	5293
5255	5505	5265	5547	5276	5311	5279	5654	5706	5600	5582	5667	5310
5603	5275	5257	5497	5274	5298	5315	5620	5536	5561	5685	5543	5700
5271	5259	5575	5695	5319	5698	5598	5638	5531	5673	5328	5666	5258
5615	5625	5262	5512	5629	5581	5626	5645	5573	5558	5287	5585	5657
5319	5290	5681	5542	5537	5524	5686	5264	5546	5593	5646	5637	5274
5657	5526	5578	5559	5620	5638	5535	5518	5584	5251	5280	5523	5603
5701	5635	5693	5322	5547	5520	5291	5662	5590	5613	5614	5550	5579
5287	5671	5549	5616	5642	5603	5495	5540	5575	5268	5681	5655	5567
5665	5710	5682	5504	5646	5309	5595	5605	5520	5587	5585	5538	5704
5662	5257	5512	5304	5553	5258	5661	5569	5581	5513	5326	5670	5630
5313	5643	5577	5631	5529	5491	5308	5606	5280	5569	5318	5652	5622
5672	5631	5596	5551	5259	5606	5588	5640	5298	5253	5602	5256	5299
5589	5532	5607	5634	5300	5288	5330	5580	5619	5545	5695	5265	5677
5520	5691	5310	5701	5597	5631	5577	5276	5653	5537	5293	5586	5585
5542	5611	5564	5521	5316	5495	5533	5524	5605	5275	5619	5569	5497
5648	5709	5254	5287	5559	5633	5264	5539	5561	5289	5541	5669	5598
5642	5632	5683	5575	5528	5527	5524	5537	5650	5567	5277	5535	5290
5652	5299	5676	5656	5538	5563	5252	5669	5294	5620	5557	5705	5693
5503	5570	5599	5658	5325	5614	5580	5618	5684	5661	5539	5661	5676
5299	5575	5274	5649	5586	5652	5602	5604	5576	5274	5281	5605	5572
5638	5506	5529	5594	5648	5297	5282	5594	5555	5303	5325	5266	5517
5584	5548	5576	5256	5301	5597	5301	5330	5705	5685	5696	5324	5607
5687	5680	5557	5522	5515	5578	5262	5548	5279	5522	5598	5531	5681
5566	5707	5511	5279	5694	5271	5619	5500	5525	5514	5710	5692	5496
5306	5688	5493	5570	5611	5691	5294	5690	5569	5701	5704	5623	5544
5300	5541	5649	5277	5268	5615	5692	5630	5666	5589	5254	5556	5262
5505	5642	5524	5528	5321	5634	5609	5499	5306	5578	5678	5694	5313
5504	5678	5662	5569	5307	5522	5257	5503	5604	5263	5322	5257	5557
5571	5651	5684	5311	5535	5690	5260	5321	5699	5605	5671	5609	5276
5677	5558	5675	5646	5558	5645	5516	5575	5709	5646	5263	5557	5529
5284	5285	5517	5519	5607	5552	5531	5674	5276	5259	5634	5710	5535
5528	5603	5559	5597	5650	5625	5672	5526	5656	5272	5509	5608	5495
5577	5276	5645	5320	5690	5710	5574	5313	5527	5634	5260	5589	5583
5605	5568	5273	5523	5583	5285	5545	5567	5707	5508	5593	5326	5580
5690	5316	5278	5493	5514	5604	5657	5626	5266	5566	5609	5328	5558
5618	5306	5562	5281	5674	5543	5669	5652	5304	5300	5540	5498	5546
5575	5619	5281	5327	5600	5291	5700	5299	5689	5610	5507	5631	5560
5565	5699	5646	5681	5554	5306	5500	5541	5310	5505	5635	5551	5297
5548	5516	5633	5613	5283	5700	5675	5642	5285	5697	5569	5654	5613
5606	5521	5311	5590	5702	5262	5266	5517	5665	5553	5302	5504	5562
5549	5652	5616	5292	5606	5304	5541	5266	5321	5554	5255	5677	5541
5326	5315	5610	5680	5277	5503	5274	5577	5283	5559		5322	5251
5281	5317	5516	5600	5293	5517	5288	5659	5516	5576		5508	5278
5523	5665	5589	5289	5550	5648	5300	5547	5254	5542		5522	5586
5573	5591	5558	5505	5608	5536		5608	5648	5598		5688	5659
5291	5687		5644	5636	5253		5647	5514	5699		5622	5705
5314	5566			5571	5281		5616	5513	5633		5290	5563

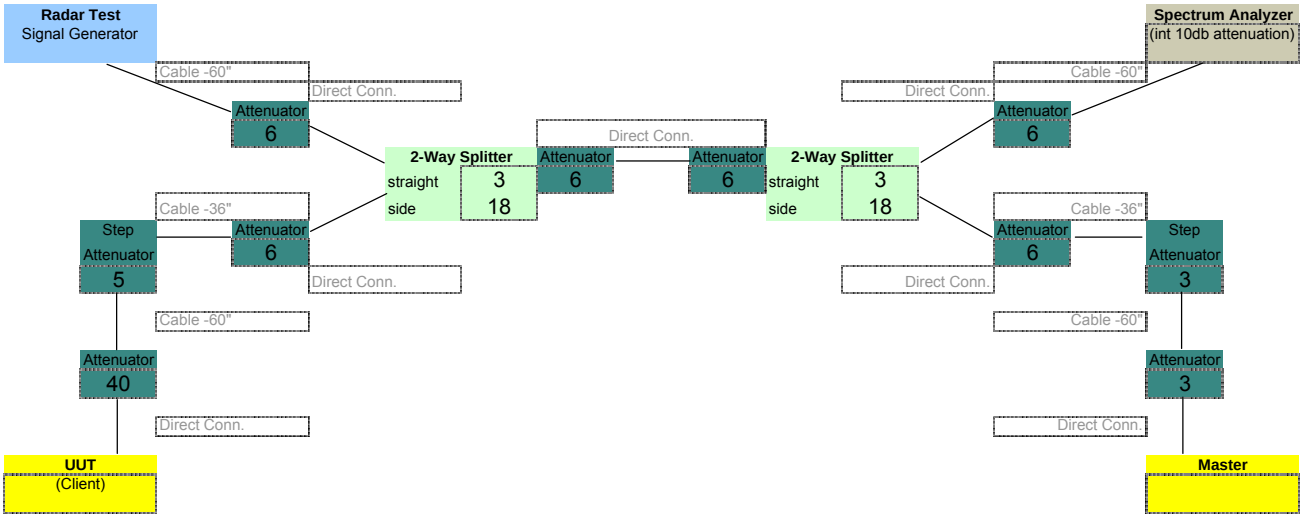
Statistical Performance Check - Monitor Radio 48 kHz

FCC-Type 6, Trial 3 of 3
All Frequencies in MHz

Trial #27	Trial #28	Trial #29	Trial #30
PASS	PASS	PASS	PASS
5552	5518	5686	5507
5518	5515	5306	5597
5265	5574	5680	5562
5602	5639	5543	5532
5600	5305	5668	5589
5580	5285	5291	5593
5554	5525	5277	5329
5287	5298	5505	5668
5297	5253	5707	5619
5318	5705	5531	5558
5577	5279	5652	5710
5592	5326	5288	5667
5524	5583	5619	5314
5559	5262	5539	5522
5632	5630	5570	5698
5695	5646	5645	5579
5598	5304	5648	5703
5639	5567	5606	5516
5583	5686	5526	5559
5650	5624	5545	5311
5305	5585	5690	5328
5665	5280	5629	5699
5569	5673	5283	5594
5640	5645	5647	5680
5705	5625	5314	5649
5252	5530	5603	5632
5710	5599	5304	5323
5702	5652	5698	5268
5638	5674	5262	5527
5278	5579	5560	5616
5513	5255	5650	5599
5260	5648	5683	5637
5660	5642	5551	5604
5285	5508	5528	5308
5280	5622	5524	5621
5661	5662	5517	5504
5647	5608	5530	5565
5605	5325	5672	5598
5521	5522	5569	5694
5273	5529	5605	5643
5529	5552	5599	5657
5607	5272	5651	5683
5534	5577	5622	5622
5268	5671	5274	5538
5495	5569	5632	5690
5526	5604	5624	5574
5491	5499	5271	5298
5279	5550	5637	5629
5709	5633	5265	5257
5690	5691	5278	5310
5284	5644	5693	5603
5626	5563	5559	5596
5281	5564	5614	5605
5259	5615	5576	5279
5686	5271	5330	5701
5540	5537	5639	5270
5620	5683	5305	5327
5551	5649	5309	5543
5328	5501	5635	
5693	5314	5612	
5703	5264	5298	
5537	5496	5512	
5683	5252		
5502	5680		
5325	5259		
5327	5591		
5676	5556		
5269	5589		
5319	5283		
5560			

Statistical Performance Check - Monitor Radio 48 kHz

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Statistical Performance Check - Working Radio 96 kHz

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
Power Sensor	Gigatronics	80701A	SPL	7/8/2011	36
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	24

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. An approved media file was streamed through a master and client system. The configuration and status of the master device was monitored for a percentage of successful detections per radar type.

The statistical performance of the UUT is based off a 30 trial test run. As fully described earlier in this report, the measured and verified -62dBm threshold radar types 1-6 were used to illustrate the statistical performance of the UUT as define in the testing procedure.

Statistical Performance Check - Working Radio 96 kHz

EUT:	444-2251	**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D	**Date:**	06/19/14
Customer:	Summit Semiconductor LLC	**Temperature:**	23.8°C
Attendees:	David Schilling	**Humidity:**	42%
Project:	None	**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:** 110VAC/60Hz	**Job Site:** EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

Configuration #	4	Signature

						Value	Limit	Result
Working Radio								
	96 kHz Sampling Frequency							
		5300 MHz						
		Radar 1					100.0%	60.0%	PASS
		Radar 2					100.0%	60.0%	PASS
		Radar 3					100.0%	60.0%	PASS
		Radar 4					93.3%	60.0%	PASS
		Radar 1-4 Summary	100.0%	100.0%	100.0%	93.3%	93.3%	80.0%	PASS
		Radar 5					100.0%	80.0%	PASS
		Radar 6					100.0%	70.0%	PASS

Statistical Performance Check - Working Radio 96 kHz

Working Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 1						
				Value	**Limit**	**Result**
				100.0%	60.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Working Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 2						
				Value	**Limit**	**Result**
				100.0%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	28	4.200 us	161.000 us
2	PASS	28	3.400 us	194.000 us
3	PASS	26	3.300 us	155.000 us
4	PASS	29	3.900 us	180.000 us
5	PASS	27	3.500 us	169.000 us
6	PASS	27	5.000 us	166.000 us
7	PASS	28	3.700 us	197.000 us
8	PASS	27	2.100 us	164.000 us
9	PASS	29	3.000 us	158.000 us
10	PASS	25	4.600 us	176.000 us
11	PASS	26	2.900 us	159.000 us
12	PASS	24	4.400 us	186.000 us
13	PASS	27	4.500 us	198.000 us
14	PASS	28	1.900 us	205.000 us
15	PASS	27	2.200 us	182.000 us
16	PASS	26	2.700 us	202.000 us
17	PASS	29	3.000 us	150.000 us
18	PASS	23	1.100 us	170.000 us
19	PASS	24	1.900 us	160.000 us
20	PASS	26	2.200 us	152.000 us
21	PASS	29	2.300 us	225.000 us
22	PASS	23	4.800 us	192.000 us
23	PASS	26	1.800 us	203.000 us
24	PASS	24	3.600 us	195.000 us
25	PASS	27	4.500 us	150.000 us
26	PASS	26	1.500 us	172.000 us
27	PASS	29	3.800 us	153.000 us
28	PASS	29	2.300 us	170.000 us
29	PASS	27	4.700 us	171.000 us
30	PASS	25	2.600 us	158.000 us

Statistical Performance Check - Working Radio 96 kHz

Working Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 3

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	16	6.500 us	278.000 us
2	PASS	17	7.700 us	220.000 us
3	PASS	18	7.600 us	368.000 us
4	PASS	16	9.600 us	296.000 us
5	PASS	18	9.500 us	265.000 us
6	PASS	16	10.000 us	206.000 us
7	PASS	17	8.200 us	292.000 us
8	PASS	16	9.800 us	271.000 us
9	PASS	18	7.100 us	301.000 us
10	PASS	16	9.300 us	238.000 us
11	PASS	16	6.800 us	454.000 us
12	PASS	18	8.300 us	436.000 us
13	PASS	16	8.200 us	358.000 us
14	PASS	17	6.100 us	225.000 us
15	PASS	17	8.700 us	383.000 us
16	PASS	17	8.800 us	243.000 us
17	PASS	17	8.900 us	247.000 us
18	PASS	17	6.400 us	374.000 us
19	PASS	16	9.400 us	278.000 us
20	PASS	16	9.000 us	391.000 us
21	PASS	18	9.600 us	466.000 us
22	PASS	17	7.500 us	395.000 us
23	PASS	16	9.400 us	451.000 us
24	PASS	16	9.200 us	474.000 us
25	PASS	18	7.200 us	477.000 us
26	PASS	16	9.700 us	257.000 us
27	PASS	16	7.300 us	266.000 us
28	PASS	17	8.500 us	351.000 us
29	PASS	17	6.600 us	448.000 us
30	PASS	18	7.800 us	301.000 us

Working Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 4

				Value	Limit	Result
				93.3%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	13	16.700 us	294.000 us
2	PASS	15	12.000 us	484.000 us
3	PASS	12	11.500 us	357.000 us
4	PASS	13	11.600 us	212.000 us
5	PASS	15	13.300 us	379.000 us
6	PASS	15	16.400 us	460.000 us
7	PASS	15	11.300 us	205.000 us
8	FAIL	13	19.900 us	247.000 us
9	PASS	16	18.300 us	307.000 us
10	PASS	12	13.600 us	332.000 us
11	PASS	14	14.600 us	327.000 us
12	PASS	16	14.200 us	358.000 us
13	PASS	15	14.500 us	483.000 us
14	PASS	16	14.600 us	291.000 us
15	PASS	14	16.200 us	226.000 us
16	PASS	14	17.500 us	391.000 us
17	PASS	16	19.700 us	429.000 us
18	PASS	13	19.000 us	215.000 us
19	PASS	15	12.300 us	302.000 us
20	PASS	15	14.400 us	347.000 us
21	PASS	16	16.000 us	428.000 us
22	PASS	15	19.100 us	302.000 us
23	PASS	14	12.800 us	352.000 us
24	PASS	14	18.400 us	383.000 us
25	PASS	13	16.500 us	268.000 us
26	PASS	12	16.300 us	467.000 us
27	PASS	13	11.900 us	369.000 us
28	PASS	13	13.500 us	303.000 us
29	FAIL	15	17.300 us	490.000 us
30	PASS	13	11.400 us	346.000 us

Statistical Performance Check - Working Radio 96 kHz

Working Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 1-4 Summary						
Radar 1	**Radar 2**	**Radar 3**	**Radar 4**	**Value**	**Limit**	**Result**
100%	100%	100%	93%	93%	80%	PASS

Working Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 5						
				Value	**Limit**	**Result**
				100.0%	80.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Statistical Performance Check - Working Radio 96 kHz

Working Radio, 96kHz Sampling Frequency, 5300 MHz , Radar 6						
				Value	**Limit**	**Result**
				100.0%	70.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 1 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	602535	3	9	90	1416	1761	1246	602535	0	666666
2	228436	2	11	70	1223	1063	0	835394	666667	1333333
3	1034019	2	17	55	1527	1464	0	1871699	1333334	2000000
4	711849	3	19	60	1640	1149	1355	2586539	2000001	2666667
5	705749	3	17	60	1146	1991	1986	3296432	2666668	3333334
6	572390	3	5	60	1552	1206	1886	3873945	3333335	4000001
7	174259	1	6	100	1445	0	0	4052848	4000002	4666668
8	1123171	2	5	75	1841	1151	0	5177464	4666669	5333335
9	669600	1	11	60	1500	0	0	5850056	5333336	6000002
10	524106	1	10	80	1926	0	0	6375662	6000003	6666669
11	643545	3	5	70	1703	1326	1564	7021133	6666670	7333336
12	863374	2	6	90	1299	1303	0	7889100	7333337	8000003
13	393418	1	8	95	1278	0	0	8285120	8000004	8666670
14	558768	3	20	95	1652	1524	1224	8845166	8666671	9333337
15	1019723	2	5	85	1256	1751	0	9869289	9333338	10000004
16	671186	3	20	75	1763	1714	1871	10543482	10000005	10666671
17	243644	2	6	75	1103	1062	0	10792474	10666672	11333338
18	1181334	3	18	75	1439	1500	1904	11975973	11333339	12000005

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 2 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	676671	1	17	50	1137	0	0	676671	0	799999
2	573671	3	16	60	1035	1558	1810	1251479	800000	1599999
3	804414	2	14	90	1206	1249	0	2060296	1600000	2399999
4	887620	2	5	80	1709	1502	0	2950371	2400000	3199999
5	476682	1	6	65	1185	0	0	3430264	3200000	3999999
6	1260189	1	13	55	1815	0	0	4691638	4000000	4799999
7	410472	3	9	100	1849	1656	1367	5103925	4800000	5599999
8	774073	3	18	80	1431	1375	1265	5882870	5600000	6399999
9	1176956	2	14	60	1589	1024	0	7063897	6400000	7199999
10	291259	1	16	90	1775	0	0	7357769	7200000	7999999
11	802025	3	17	50	1195	1549	1581	8161569	8000000	8799999
12	940083	2	19	85	1100	1045	0	9105977	8800000	9599999
13	504835	3	8	80	1083	1471	1972	9612957	9600000	10399999
14	1447520	1	7	70	1574	0	0	11065003	10400000	11199999
15	703076	3	10	75	1650	1417	1358	11769653	11200000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 3 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	128525	3	20	95	1597	1581	1603	128525	0	1090908
2	1455717	3	13	70	1436	1698	1021	1589023	1090909	2181817
3	757668	3	11	65	1035	1909	1025	2350846	2181818	3272726
4	1176227	1	8	85	1895	0	0	3531042	3272727	4363635
5	1267789	1	7	55	1932	0	0	4800726	4363636	5454544
6	1548156	2	19	60	1872	1847	0	6350814	5454545	6545453
7	478362	1	5	55	1585	0	0	6832895	6545454	7636362
8	1285964	3	18	100	1722	1518	1238	8120444	7636363	8727271
9	1539240	2	12	90	1094	1860	0	9664162	8727272	9818180
10	707556	3	8	85	1964	1262	1877	10374672	9818181	10909089
11	1280587	3	9	55	1931	1696	1241	11660362	10909090	11999998

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 4 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	629608	3	17	75	1287	1452	1519	629608	0	799999
2	261662	3	8	65	1269	1898	1516	895528	800000	1599999
3	1428904	1	8	90	1001	0	0	2329115	1600000	2399999
4	251679	3	16	70	1673	1798	1319	2581795	2400000	3199999
5	1047921	2	7	75	1054	1771	0	3634506	3200000	3999999
6	394422	1	12	85	1838	0	0	4031753	4000000	4799999
7	1069614	3	8	60	1130	1091	1907	5103205	4800000	5599999
8	1124980	3	13	75	1011	1958	1349	6232313	5600000	6399999
9	740013	1	10	55	1120	0	0	6976644	6400000	7199999
10	700631	1	14	70	1039	0	0	7678395	7200000	7999999
11	715029	2	9	85	1629	1992	0	8394463	8000000	8799999
12	972847	2	20	60	1265	1695	0	9370931	8800000	9599999
13	1010466	3	8	90	1218	1754	1579	10384357	9600000	10399999
14	335837	2	16	55	1830	1563	0	10724745	10400000	11199999
15	895880	2	7	65	1191	1872	0	11624018	11200000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 5 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	694736	2	9	80	1875	1179	0	694736	0	923076
2	1063962	3	18	100	1029	1500	1825	1761752	923077	1846153
3	607534	3	5	100	1940	1572	1168	2373640	1846154	2769230
4	801272	1	17	75	1142	0	0	3179592	2769231	3692307
5	917358	3	9	100	1309	1410	1217	4098092	3692308	4615384
6	668463	3	6	55	1531	1635	1919	4770491	4615385	5538461
7	1155776	3	15	90	1300	1875	1332	5931352	5538462	6461538
8	1289086	3	20	95	1170	1343	1294	7224945	6461539	7384615
9	608446	3	19	80	1490	1015	1252	7837198	7384616	8307692
10	862395	2	15	85	1575	1392	0	8703350	8307693	9230769
11	1428651	3	7	75	1347	1793	1850	10134968	9230770	10153846
12	430753	1	20	80	1699	0	0	10570711	10153847	11076923
13	772545	3	5	65	1641	1076	1745	11344955	11076924	12000000

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 6 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	322185	2	16	70	1430	1577	0	322185	0	1090908
2	1492899	2	13	85	1684	1371	0	1818091	1090909	2181817
3	522834	1	19	85	1463	0	0	2343980	2181818	3272726
4	1115161	3	17	70	1986	1738	1513	3460604	3272727	4363635
5	1156370	1	5	95	1642	0	0	4622211	4363636	5454544
6	1038232	2	13	95	1863	1163	0	5662085	5454545	6545453
7	1759886	3	15	65	1429	1088	1526	7424997	6545454	7636362
8	212151	3	11	85	1113	1974	1644	7641191	7636363	8727271
9	1710179	1	11	75	1129	0	0	9356101	8727272	9818180
10	1461374	2	13	65	1086	1894	0	10818604	9818181	10909089
11	992990	2	9	90	1433	1945	0	11814574	10909090	11999998

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 7 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	770742	2	15	65	1760	1061	0	770742	0	799999
2	375099	1	18	80	1857	0	0	1148662	800000	1599999
3	626826	1	9	100	1409	0	0	1777345	1600000	2399999
4	1357427	3	17	80	1260	1366	1089	3136181	2400000	3199999
5	186087	1	13	85	1248	0	0	3325983	3200000	3999999
6	792622	2	8	70	1146	1906	0	4119853	4000000	4799999
7	981659	1	5	75	1911	0	0	5104564	4800000	5599999
8	516475	1	17	60	1498	0	0	5622950	5600000	6399999
9	961229	1	17	95	1489	0	0	6585677	6400000	7199999
10	1333580	3	17	55	1710	1703	1007	7920746	7200000	7999999
11	829671	3	19	50	1679	1026	1068	8754837	8000000	8799999
12	789759	1	7	95	1242	0	0	9548369	8800000	9599999
13	826821	2	12	60	1374	1864	0	10376432	9600000	10399999
14	72178	1	13	60	1829	0	0	10451848	10400000	11199999
15	1260596	2	17	60	1780	1969	0	11714273	11200000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 8 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	634777	2	9	70	1462	1267	0	634777	0	1199999
2	1316864	1	18	70	1742	0	0	1954370	1200000	2399999
3	479830	3	20	80	1369	1264	1092	2435942	2400000	3599999
4	1789242	1	6	70	1794	0	0	4228909	3600000	4799999
5	1362172	3	5	65	1156	1501	1579	5592875	4800000	5999999
6	658612	3	20	90	1457	1073	1912	6255723	6000000	7199999
7	1951305	1	8	95	1393	0	0	8211470	7200000	8399999
8	1169067	1	17	70	1304	0	0	9381930	8400000	9599999
9	535553	1	13	95	1267	0	0	9918787	9600000	10799999
10	1132055	2	15	65	1824	1910	0	11052109	10800000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 9 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	330877	3	7	90	1370	1472	1169	330877	0	631578
2	847237	1	13	55	1063	0	0	1182125	631579	1263157
3	609563	3	13	95	1457	1664	1015	1792751	1263158	1894736
4	495671	2	12	75	1529	1101	0	2292558	1894737	2526315
5	781959	2	7	85	1575	1672	0	3077147	2526316	3157894
6	476957	2	18	80	1146	1624	0	3557351	3157895	3789473
7	395223	3	18	70	1693	1664	1605	3955344	3789474	4421052
8	790938	3	13	55	1085	1009	1751	4751244	4421053	5052631
9	893402	2	17	50	1343	1526	0	5648491	5052632	5684210
10	120291	1	16	60	1075	0	0	5771651	5684211	6315789
11	966938	3	8	70	1623	1408	1584	6739664	6315790	6947368
12	775506	3	15	95	1372	1527	1891	7519785	6947369	7578947
13	438792	3	17	80	1527	1118	1808	7963367	7578948	8210526
14	768114	2	16	65	1814	1375	0	8735934	8210527	8842105
15	464856	3	18	90	1630	1875	1026	9203979	8842106	9473684
16	393560	1	15	90	1268	0	0	9602070	9473685	10105263
17	630845	2	5	70	1017	1084	0	10234183	10105264	10736842
18	1074329	3	6	55	1625	1494	1607	11310613	10736843	11368421
19	179658	1	5	80	1036	0	0	11494997	11368422	12000000

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 10 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	662277	1	7	50	1606	0	0	662277	0	799999
2	606561	1	18	65	1657	0	0	1270444	800000	1599999
3	592649	1	19	80	1822	0	0	1864750	1600000	2399999
4	1039874	1	19	60	1378	0	0	2906446	2400000	3199999
5	616535	1	6	100	1868	0	0	3524359	3200000	3999999
6	805507	3	9	75	1444	1125	1842	4331734	4000000	4799999
7	856945	3	10	75	1950	1755	1648	5193090	4800000	5599999
8	862949	1	15	90	1100	0	0	6061392	5600000	6399999
9	1094035	2	15	65	1335	1553	0	7156527	6400000	7199999
10	107660	1	12	85	1802	0	0	7267075	7200000	7999999
11	949337	1	6	70	1579	0	0	8218214	8000000	8799999
12	1241296	1	6	60	1285	0	0	9461089	8800000	9599999
13	365581	2	14	55	1007	1655	0	9827955	9600000	10399999
14	672471	1	6	85	1206	0	0	10503088	10400000	11199999
15	1045151	2	13	70	1337	1143	0	11549445	11200000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 11 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	18230	3	8	75	1004	1211	1258	18230	0	599999
2	1118825	3	18	80	1100	1319	1008	1140528	600000	1199999
3	178204	2	7	60	1017	1648	0	1322159	1200000	1799999
4	746084	3	13	55	1102	1612	1502	2070908	1800000	2399999
5	899321	3	9	55	1646	1293	1867	2974445	2400000	2999999
6	352304	3	8	70	1339	1772	1384	3331555	3000000	3599999
7	794447	3	13	85	1021	1613	1504	4130497	3600000	4199999
8	547261	2	8	55	1176	1764	0	4681896	4200000	4799999
9	192060	1	14	50	1447	0	0	4876896	4800000	5399999
10	849732	1	14	75	1337	0	0	5728075	5400000	5999999
11	624693	3	15	60	1946	1625	1830	6354105	6000000	6599999
12	380164	3	11	60	1980	1374	1892	6739670	6600000	7199999
13	681731	3	9	100	1777	1302	1691	7426647	7200000	7799999
14	389133	3	16	85	1403	1752	1959	7820550	7800000	8399999
15	1044336	3	20	80	1429	1514	1908	8870000	8400000	8999999
16	608581	2	15	55	1254	1855	0	9483432	9000000	9599999
17	582892	2	16	80	1241	1338	0	10069433	9600000	10199999
18	417065	1	14	80	1968	0	0	10489077	10200000	10799999
19	892095	3	16	90	1199	1449	1604	11383140	10800000	11399999
20	211404	1	17	50	1874	0	0	11598796	11400000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 12 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	163445	3	7	70	1147	1820	1587	163445	0	705881
2	627582	1	8	90	1218	0	0	795581	705882	1411763
3	622379	3	16	60	1691	1258	1803	1419178	1411764	2117645
4	1260565	2	13	90	1632	1095	0	2684495	2117646	2823527
5	555043	1	12	95	1653	0	0	3242265	2823528	3529409
6	491483	1	18	95	1615	0	0	3735401	3529410	4235291
7	699251	1	10	55	1551	0	0	4436267	4235292	4941173
8	733589	2	15	60	1363	1471	0	5171407	4941174	5647055
9	598161	1	9	65	1245	0	0	5772402	5647056	6352937
10	724258	1	9	65	1261	0	0	6497905	6352938	7058819
11	711100	1	6	95	1471	0	0	7210266	7058820	7764701
12	1206630	1	13	70	1656	0	0	8418367	7764702	8470583
13	367964	3	11	100	1584	1345	1111	8787987	8470584	9176465
14	734450	2	8	75	1612	1271	0	9526477	9176466	9882347
15	1013355	3	18	85	1807	1686	1247	10542715	9882348	10588229
16	709223	2	17	95	1224	1774	0	11256678	10588230	11294111
17	170790	3	10	100	1787	1914	1660	11430466	11294112	11999993

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 13 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	93337	1	18	100	1018	0	0	93337	0	1090908
2	1472102	2	17	95	1149	1155	0	1566457	1090909	2181817
3	830370	2	20	75	1111	1709	0	2399131	2181818	3272726
4	1938855	1	6	90	1009	0	0	4340806	3272727	4363635
5	1021968	2	7	65	1597	1133	0	5363783	4363636	5454544
6	1042935	1	7	55	1828	0	0	6409448	5454545	6545453
7	184942	3	18	85	1208	1968	1285	6596218	6545454	7636362
8	1850193	3	11	55	1472	1413	1959	8450872	7636363	8727271
9	878539	3	17	70	1034	1342	1580	9334255	8727272	9818180
10	802328	1	12	95	1142	0	0	10140539	9818181	10909089
11	1838401	3	7	75	1509	1550	1922	11980082	10909090	11999998

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 14 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	109921	2	13	75	1258	1303	0	109921	0	1199999
2	1811854	3	10	90	1794	1908	1673	1924336	1200000	2399999
3	754595	2	18	65	1474	1535	0	2684306	2400000	3599999
4	1227690	3	16	85	1285	1715	1493	3915005	3600000	4799999
5	1709457	2	13	50	1918	1306	0	5628955	4800000	5999999
6	425582	1	10	70	1714	0	0	6057761	6000000	7199999
7	2245007	3	9	70	1097	1892	1100	8304482	7200000	8399999
8	697722	3	13	65	1298	1879	1317	9006293	8400000	9599999
9	1236376	1	9	50	1088	0	0	10247163	9600000	10799999
10	1385873	1	19	75	1940	0	0	11634124	10800000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 15 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1004587	2	20	95	1983	1752	0	1004587	0	1090908
2	508562	2	13	65	1857	1615	0	1516884	1090909	2181817
3	709021	1	10	65	1493	0	0	2229377	2181818	3272726
4	1657254	3	5	100	1767	1133	1925	3888124	3272727	4363635
5	685060	1	15	80	1097	0	0	4578009	4363636	5454544
6	1315467	1	15	65	1158	0	0	5894573	5454545	6545453
7	760562	2	14	50	1452	1837	0	6656293	6545454	7636362
8	1951634	3	10	60	1206	1199	1244	8611216	7636363	8727271
9	908153	2	7	70	1623	1532	0	9523018	8727272	9818180
10	637296	3	19	60	1613	1003	1040	10163469	9818181	10909089
11	742161	1	20	85	1693	0	0	10909286	10909090	11999998

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 16 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	297660	3	12	90	1972	1005	1363	297660	0	599999
2	480043	2	15	85	1350	1116	0	782043	600000	1199999
3	942431	1	9	65	1959	0	0	1726940	1200000	1799999
4	538669	3	15	100	1396	1889	1220	2267568	1800000	2399999
5	162577	3	17	60	1572	1784	1091	2434650	2400000	2999999
6	810296	1	16	65	1335	0	0	3249393	3000000	3599999
7	555911	2	6	80	1864	1282	0	3806639	3600000	4199999
8	935869	1	8	55	1086	0	0	4745654	4200000	4799999
9	255758	3	13	75	1826	1322	1316	5002498	4800000	5399999
10	393187	3	14	75	1581	1391	1136	5400149	5400000	5999999
11	992221	3	11	100	1277	1842	1173	6396478	6000000	6599999
12	487193	1	19	55	1442	0	0	6887963	6600000	7199999
13	337959	1	20	85	1946	0	0	7227364	7200000	7799999
14	591701	2	17	50	1903	1257	0	7821011	7800000	8399999
15	710667	2	6	50	1847	1007	0	8534838	8400000	8999999
16	552076	1	17	85	1449	0	0	9089768	9000000	9599999
17	665235	2	10	90	1148	1164	0	9756452	9600000	10199999
18	767070	1	18	70	1648	0	0	10525834	10200000	10799999
19	429774	1	13	50	1369	0	0	10957256	10800000	11399999
20	839253	3	7	65	1276	1282	1608	11797878	11400000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 17 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	361023	1	9	55	1647	0	0	361023	0	666666
2	725227	2	16	100	1547	1303	0	1087897	666667	1333333
3	841680	2	11	95	1231	1969	0	1932427	1333334	2000000
4	435337	3	6	55	1954	1709	1855	2370964	2000001	2666667
5	906504	3	9	75	1103	1709	1362	3282986	2666668	3333334
6	256102	1	18	95	1753	0	0	3543262	3333335	4000001
7	927512	1	5	100	1887	0	0	4472527	4000002	4666668
8	825526	3	13	70	1799	1016	1469	5299940	4666669	5333335
9	449400	3	17	85	1042	1223	1861	5753624	5333336	6000002
10	741530	1	18	95	1319	0	0	6499280	6000003	6666669
11	639135	2	16	65	1528	1866	0	7139734	6666670	7333336
12	699347	2	18	95	1089	1058	0	7842475	7333337	8000003
13	176690	2	12	95	1568	1775	0	8021312	8000004	8666670
14	1168920	1	10	95	1636	0	0	9193575	8666671	9333337
15	717532	1	15	70	1080	0	0	9912743	9333338	10000004
16	675968	1	6	75	1658	0	0	10589791	10000005	10666671
17	158814	2	17	55	1489	1717	0	10750263	10666672	11333338
18	729548	3	18	65	1525	1054	1482	11483017	11333339	12000005

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 18 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	89279	3	17	85	1909	1366	1388	89279	0	631578
2	650203	3	8	85	1023	1663	1065	744145	631579	1263157
3	767142	1	6	75	1850	0	0	1515038	1263158	1894736
4	841056	1	11	55	1506	0	0	2357944	1894737	2526315
5	259002	3	12	90	1047	1326	1735	2618452	2526316	3157894
6	1028165	1	16	65	1179	0	0	3650725	3157895	3789473
7	739380	3	8	60	1436	1533	1418	4391284	3789474	4421052
8	137904	2	10	90	1251	1819	0	4533575	4421053	5052631
9	1104839	3	18	85	1629	1065	1024	5641484	5052632	5684210
10	307042	2	9	80	1472	1611	0	5952244	5684211	6315789
11	575214	3	6	50	1556	1391	1664	6530541	6315790	6947368
12	862461	1	14	50	1152	0	0	7397613	6947369	7578947
13	291162	2	8	80	1550	1734	0	7689927	7578948	8210526
14	909750	1	8	55	1851	0	0	8602961	8210527	8842105
15	306624	3	15	85	1153	1348	1085	8911436	8842106	9473684
16	755107	3	14	50	1216	1916	1042	9670129	9473685	10105263
17	630412	3	18	95	1950	2000	1396	10304715	10105264	10736842
18	952030	1	7	55	1773	0	0	11262091	10736843	11368421
19	206834	2	13	60	1373	1354	0	11470698	11368422	12000000

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 19 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	471576	2	5	95	1169	1280	0	471576	0	1090908
2	1412564	1	7	60	1946	0	0	1886589	1090909	2181817
3	1378820	1	14	50	1310	0	0	3267355	2181818	3272726
4	699767	3	10	55	1362	1383	1298	3968432	3272727	4363635
5	1081270	3	8	85	1113	1901	1357	5053745	4363636	5454544
6	817576	1	13	75	1128	0	0	5875692	5454545	6545453
7	1479943	2	20	95	1738	1628	0	7356763	6545454	7636362
8	435725	3	11	100	1744	1233	1562	7795854	7636363	8727271
9	1451156	2	6	85	1250	1867	0	9251549	8727272	9818180
10	641043	1	15	50	1292	0	0	9895709	9818181	10909089
11	1946545	3	11	55	1956	1467	1397	11843546	10909090	11999998

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 20 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	344419	2	14	95	1268	1260	0	344419	0	749999
2	551167	2	8	80	1928	1721	0	898114	750000	1499999
3	962936	1	20	90	1230	0	0	1864699	1500000	2249999
4	983282	3	16	60	1168	1166	1652	2849211	2250000	2999999
5	792489	1	14	50	1943	0	0	3645686	3000000	3749999
6	642967	3	14	65	1512	1707	1185	4290596	3750000	4499999
7	622835	1	12	70	1942	0	0	4917835	4500000	5249999
8	782220	3	5	60	1944	1114	1118	5701997	5250000	5999999
9	429560	1	15	75	1553	0	0	6135733	6000000	6749999
10	728349	2	20	50	1533	1454	0	6865635	6750000	7499999
11	909961	1	10	85	1687	0	0	7778583	7500000	8249999
12	1104617	3	11	60	1172	1350	1574	8884887	8250000	8999999
13	578084	1	10	95	1363	0	0	9467067	9000000	9749999
14	381008	1	13	65	1331	0	0	9849438	9750000	10499999
15	1047210	2	6	65	1187	1882	0	10897979	10500000	11249999
16	820104	3	12	95	1195	1546	1809	11721152	11250000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 21 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	671999	1	14	70	1600	0	0	671999	0	923076
2	887735	1	14	100	1824	0	0	1561334	923077	1846153
3	616895	2	14	70	1543	2000	0	2180053	1846154	2769230
4	1272328	1	13	65	1996	0	0	3455924	2769231	3692307
5	272948	2	7	85	1329	1823	0	3730868	3692308	4615384
6	1248133	2	6	90	1566	1640	0	4982153	4615385	5538461
7	822487	2	20	60	1966	1037	0	5807846	5538462	6461538
8	1271491	3	17	100	1250	1490	1069	7082340	6461539	7384615
9	403885	2	16	55	1305	1693	0	7490034	7384616	8307692
10	1550572	3	5	70	1335	1155	1151	9043604	8307693	9230769
11	531437	3	5	80	1590	1174	1825	9578682	9230770	10153846
12	1006811	3	10	95	1527	1725	1797	10590082	10153847	11076923
13	483620	3	12	85	1909	1858	1493	11078751	11076924	12000000

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 22 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1055080	1	12	75	1737	0	0	1055080	0	1333332
2	1547138	3	17	60	1317	1546	1948	2603955	1333333	2666665
3	1006800	1	19	60	1557	0	0	3615566	2666666	3999998
4	552439	1	13	55	1637	0	0	4169562	3999999	5333331
5	2099311	1	6	70	1955	0	0	6270510	5333332	6666664
6	1603932	2	10	100	1607	1667	0	7876397	6666665	7999997
7	239932	3	9	80	1476	1684	1813	8119603	7999998	9333330
8	1290477	1	6	55	1783	0	0	9415053	9333331	10666663
9	1943404	2	8	55	1963	1407	0	11360240	10666664	11999996

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 23 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	215344	2	9	55	1360	1480	0	215344	0	923076
2	761124	3	19	65	1718	1922	1748	979308	923077	1846153
3	931394	1	19	55	1685	0	0	1916090	1846154	2769230
4	1407388	2	12	90	1376	1066	0	3325163	2769231	3692307
5	439171	1	6	55	1584	0	0	3766776	3692308	4615384
6	1426142	1	13	60	1150	0	0	5194502	4615385	5538461
7	1219371	1	16	75	1159	0	0	6415023	5538462	6461538
8	477551	1	5	75	1798	0	0	6893733	6461539	7384615
9	1373408	3	13	60	1090	1240	1129	8268939	7384616	8307692
10	561089	2	9	65	1424	1393	0	8833487	8307693	9230769
11	922900	3	5	80	1128	1275	1478	9759204	9230770	10153846
12	491786	2	9	85	1911	1320	0	10254871	10153847	11076923
13	1206818	3	7	70	1218	1303	1694	11464920	11076924	12000000

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 24 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	466090	3	19	60	1210	1452	1729	466090	0	599999
2	213129	1	8	85	1730	0	0	683610	600000	1199999
3	923704	2	13	55	1088	1104	0	1609044	1200000	1799999
4	449237	2	17	90	1009	1089	0	2060473	1800000	2399999
5	371746	3	5	95	1314	1803	1908	2434317	2400000	2999999
6	1018378	3	19	70	1110	1617	1877	3457720	3000000	3599999
7	719440	3	13	75	1891	1985	1119	4181764	3600000	4199999
8	327430	1	14	70	1088	0	0	4514189	4200000	4799999
9	616399	3	16	90	1149	1650	1657	5131676	4800000	5399999
10	419429	1	9	80	1738	0	0	5555561	5400000	5999999
11	701245	3	16	60	1117	1836	1845	6258544	6000000	6599999
12	783557	2	15	70	1874	1083	0	7046899	6600000	7199999
13	620531	1	6	80	1076	0	0	7670387	7200000	7799999
14	194002	2	12	55	1469	1935	0	7865465	7800000	8399999
15	645642	2	8	95	1688	1085	0	8514511	8400000	8999999
16	878471	1	13	65	1732	0	0	9395755	9000000	9599999
17	731012	3	20	70	1119	1959	1024	10128499	9600000	10199999
18	239141	2	19	50	1886	1616	0	10371742	10200000	10799999
19	575859	1	8	75	1186	0	0	10951103	10800000	11399999
20	805532	1	10	90	1449	0	0	11757821	11400000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 25 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	644919	2	20	95	1531	1812	0	644919	0	749999
2	331893	2	6	100	1683	1194	0	980155	750000	1499999
3	676986	2	11	85	1465	1280	0	1660018	1500000	2249999
4	769166	1	19	70	1211	0	0	2431929	2250000	2999999
5	575667	2	10	80	1754	1609	0	3008807	3000000	3749999
6	778773	3	14	60	1398	1725	1700	3790943	3750000	4499999
7	1204970	3	16	95	1143	1382	1101	5000736	4500000	5249999
8	591806	1	16	85	1965	0	0	5596168	5250000	5999999
9	471009	3	19	75	1055	1874	1356	6069142	6000000	6749999
10	1215380	1	17	60	1931	0	0	7288807	6750000	7499999
11	696318	3	15	65	1697	1932	1680	7987056	7500000	8249999
12	517376	2	5	100	1366	1576	0	8509741	8250000	8999999
13	833238	3	20	85	1620	1008	1614	9345921	9000000	9749999
14	804464	1	15	55	1414	0	0	10154627	9750000	10499999
15	951439	2	19	50	1496	1253	0	11107480	10500000	11249999
16	819223	2	15	90	1480	1965	0	11929452	11250000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 26 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	447785	3	18	55	1993	1052	1875	447785	0	857142
2	589194	3	19	100	1060	1070	1937	1041899	857143	1714285
3	1517149	3	13	65	1135	1453	1422	2563115	1714286	2571428
4	258619	1	15	100	1467	0	0	2825744	2571429	3428571
5	1447817	3	5	100	1598	1111	1727	4275028	3428572	4285714
6	318116	1	20	80	1238	0	0	4597580	4285715	5142857
7	826142	3	8	65	1343	1714	1022	5424960	5142858	6000000
8	1205492	1	7	70	1986	0	0	6634531	6000001	6857143
9	287780	1	9	80	1570	0	0	6924297	6857144	7714286
10	1630816	2	19	55	1324	1945	0	8556683	7714287	8571429
11	195887	2	14	55	1962	1497	0	8755839	8571430	9428572
12	772831	1	16	95	1547	0	0	9532129	9428573	10285715
13	1096793	2	20	80	1776	1295	0	10630469	10285716	11142858
14	680930	3	10	85	1617	1686	1216	11314470	11142859	12000001

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 27 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	416927	2	14	95	1687	1424	0	416927	0	631578
2	256586	3	12	80	1335	1718	1155	676624	631579	1263157
3	591589	3	14	95	1198	1042	1634	1272421	1263158	1894736
4	1097493	1	18	75	1004	0	0	2373788	1894737	2526315
5	274666	1	20	60	1520	0	0	2649458	2526316	3157894
6	870333	2	16	50	1109	1841	0	3521311	3157895	3789473
7	435246	3	11	80	1518	1191	1202	3959507	3789474	4421052
8	488710	2	10	90	1008	1188	0	4452128	4421053	5052631
9	1144724	1	13	70	1143	0	0	5599048	5052632	5684210
10	344391	2	12	75	1899	1501	0	5944582	5684211	6315789
11	618420	2	5	80	1045	1381	0	6566402	6315790	6947368
12	894791	2	6	75	1220	1474	0	7463619	6947369	7578947
13	721858	2	16	75	1465	1756	0	8188171	7578948	8210526
14	372836	3	9	85	1339	1118	1146	8564228	8210527	8842105
15	589208	2	6	65	1054	1523	0	9157039	8842106	9473684
16	873977	2	20	80	1080	1069	0	10033593	9473685	10105263
17	145356	3	20	65	2000	1326	1171	10181098	10105264	10736842
18	893490	3	17	95	1195	1950	1313	11079085	10736843	11368421
19	597068	2	19	60	1326	1405	0	11680611	11368422	12000000

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 28 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	379585	2	9	75	1152	1315	0	379585	0	1090908
2	1666527	2	14	50	1440	1928	0	2048579	1090909	2181817
3	1191887	2	13	65	1765	1472	0	3243834	2181818	3272726
4	940632	1	6	50	1736	0	0	4187703	3272727	4363635
5	403980	1	15	65	1814	0	0	4593419	4363636	5454544
6	1221867	1	10	80	1301	0	0	5817100	5454545	6545453
7	1084522	1	13	75	1461	0	0	6902923	6545454	7636362
8	1354233	3	13	55	1255	1494	1211	8258617	7636363	8727271
9	1472326	2	5	75	1551	1642	0	9734903	8727272	9818180
10	183628	3	10	80	1892	1613	1471	9921724	9818181	10909089
11	1594067	3	18	60	1760	1069	1107	11520767	10909090	11999998

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 29 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	540095	1	17	90	1437	0	0	540095	0	1199999
2	696393	2	13	95	1959	1714	0	1237925	1200000	2399999
3	2171904	3	15	100	1868	1432	1613	3413502	2400000	3599999
4	1238369	2	19	95	1963	1122	0	4656784	3600000	4799999
5	1186263	3	20	65	1022	1482	1119	5846132	4800000	5999999
6	488632	1	11	100	1236	0	0	6338387	6000000	7199999
7	1197724	3	6	95	1655	1358	1238	7537347	7200000	8399999
8	1952090	2	7	50	1444	1115	0	9493688	8400000	9599999
9	522311	1	9	75	1105	0	0	10018558	9600000	10799999
10	1674538	3	12	85	1539	1712	1031	11694201	10800000	11999999

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 5, Trial 30 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	6533	2	20	65	1373	1052	0	6533	0	857142
2	1025361	2	16	50	1742	1891	0	1034319	857143	1714285
3	1313688	3	14	60	1550	1665	1839	2351640	1714286	2571428
4	556882	2	17	80	1076	1239	0	2913576	2571429	3428571
5	1209648	3	12	80	1209	1985	1208	4125539	3428572	4285714
6	337354	1	14	50	1454	0	0	4467295	4285715	5142857
7	1296578	1	11	65	1904	0	0	5765327	5142858	6000000
8	610305	2	16	65	1664	1442	0	6377536	6000001	6857143
9	686823	3	13	90	1721	1857	1604	7067465	6857144	7714286
10	1239906	1	12	95	1991	0	0	8312553	7714287	8571429
11	558003	3	6	55	1967	1372	1977	8872547	8571430	9428572
12	671956	3	10	70	1088	1595	1895	9549819	9428573	10285715
13	1381048	1	20	80	1718	0	0	10935445	10285716	11142858
14	1020068	1	11	50	1268	0	0	11957231	11142859	12000001

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 6, Trial 1 of 3
All Frequencies in MHz

Trial #1	Trial #2	Trial #3	Trial #4	Trial #5	Trial #6	Trial #7	Trial #8	Trial #9	Trial #10	Trial #11	Trial #12	Trial #13
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5523	5652	5662	5556	5620	5505	5554	5547	5679	5533	5590	5299	5276
5583	5678	5588	5599	5319	5290	5626	5264	5549	5668	5323	5266	5631
5630	5322	5677	5546	5690	5262	5526	5291	5312	5612	5648	5600	5553
5509	5534	5253	5496	5598	5599	5323	5509	5598	5588	5574	5268	5644
5300	5526	5562	5579	5322	5689	5617	5651	5542	5559	5286	5685	5292
5681	5606	5322	5321	5570	5610	5654	5691	5592	5635	5300	5510	5664
5531	5645	5254	5611	5652	5685	5637	5583	5688	5510	5561	5548	5584
5494	5702	5517	5687	5581	5273	5259	5644	5603	5265	5527	5576	5689
5674	5520	5535	5679	5656	5535	5650	5554	5550	5262	5664	5558	5278
5550	5666	5594	5265	5511	5687	5501	5672	5670	5251	5511	5287	5590
5298	5307	5278	5541	5629	5330	5287	5643	5581	5561	5559	5595	5676
5293	5629	5632	5258	5288	5327	5510	5568	5502	5590	5649	5517	5515
5545	5586	5283	5625	5318	5615	5608	5655	5524	5519	5696	5639	5509
5303	5286	5301	5544	5496	5593	5595	5492	5620	5680	5554	5663	5656
5305	5578	5276	5288	5633	5526	5621	5658	5579	5555	5326	5631	5647
5315	5569	5589	5582	5596	5637	5309	5696	5706	5620	5622	5495	5251
5301	5557	5307	5517	5669	5621	5263	5680	5262	5570	5268	5318	5607
5589	5603	5616	5252	5524	5312	5490	5527	5296	5698	5519	5307	5539
5529	5710	5287	5703	5658	5555	5622	5694	5612	5692	5507	5654	5648
5278	5490	5591	5250	5491	5628	5532	5277	5709	5553	5658	5536	5252
5252	5547	5675	5262	5616	5707	5535	5537	5571	5531	5288	5669	5588
5329	5499	5512	5314	5543	5292	5688	5596	5683	5289	5315	5516	5317
5638	5326	5293	5606	5536	5560	5639	5324	5697	5643	5314	5312	5277
5256	5589	5606	5574	5631	5699	5601	5577	5619	5677	5313	5540	5530
5587	5584	5685	5515	5586	5636	5324	5310	5584	5603	5540	5326	5649
5280	5696	5282	5570	5584	5660	5692	5649	5551	5508	5598	5525	5570
5588	5544	5525	5649	5256	5675	5695	5494	5589	5536	5513	5252	5583
5522	5299	5561	5644	5316	5527	5305	5697	5671	5699	5293	5290	5280
5266	5506	5272	5510	5696	5626	5602	5695	5536	5617	5267	5637	5567
5511	5324	5605	5615	5311	5702	5265	5634	5523	5645	5580	5300	5320
5548	5681	5687	5651	5552	5303	5506	5581	5254	5674	5318	5632	5645
5284	5695	5519	5708	5554	5557	5584	5321	5662	5665	5637	5503	5517
5262	5502	5643	5559	5308	5574	5624	5311	5299	5294	5705	5573	5520
5631	5318	5537	5500	5708	5278	5296	5709	5639	5627	5253	5530	5557
5575	5647	5597	5518	5664	5550	5603	5563	5638	5586	5689	5644	5283
5667	5631	5668	5506	5295	5277	5697	5594	5604	5500	5602	5686	5312
5690	5304	5325	5272	5697	5664	5270	5565	5611	5599	5260	5694	5566
5536	5497	5600	5543	5267	5329	5586	5693	5636	5296	5515	5559	5540
5666	5598	5268	5609	5627	5268	5498	5667	5493	5594	5569	5292	5309
5576	5265	5320	5255	5647	5564	5700	5701	5678	5543	5682	5319	5710
5551	5280	5497	5707	5615	5503	5635	5569	5573	5259	5587	5501	5679
5507	5261	5552	5512	5667	5270	5653	5274	5306	5605	5629	5511	5576
5565	5545	5540	5690	5522	5496	5551	5668	5313	5625	5595	5564	5285
5581	5503	5567	5313	5327	5506	5563	5300	5323	5563	5303	5543	5602
5620	5619	5703	5561	5569	5694	5546	5548	5609	5579	5659	5561	5258
5322	5288	5560	5557	5539	5534	5674	5284	5281	5675	5606	5521	5693
5623	5495	5559	5535	5490	5625	5547	5258	5510	5560	5610	5274	5658
5287	5311	5590	5327	5292	5552	5616	5292	5663	5323	5708	5570	5680
5636	5600	5585	5542	5707	5324	5576	5598	5606	5710	5640	5621	5527
5580	5530	5318	5655	5567	5586	5290	5549	5653	5618	5562	5288	5551
5314	5509	5266	5568	5683	5546	5698	5503	5576	5589	5613	5491	5687
5613	5670	5669	5497	5266	5524	5499	5558	5567	5499	5571	5627	5297
5654	5683	5280	5324	5268	5520	5321	5253	5503	5266	5287	5585	5294
5325	5663	5579	5516	5526	5492	5640	5519	5540	5659	5570	5254	5691
5318	5700	5300	5593	5693	5269	5570	5578	5293	5701	5265	5642	5609
5635	5553	5630	5676	5523	5624	5705	5624	5555	5697	5591	5593	5669
5618	5540	5305	5274	5277	5308	5592	5287	5265	5679	5504	5515	5556
5569	5329	5289	5307	5689	5602	5279	5538	5640	5507	5526	5653	5650
5527	5661	5603	5279	5597	5651	5538	5623	5633	5527	5668	5271	5587
5679		5314	5526	5294	5305	5660	5541	5655	5297	5565	5634	5627
5525		5264	5665	5528	5543	5253		5517	5637	5544		5491
5603		5501	5588	5503	5572	5680		5616	5642	5543		5301
5659		5527	5672	5303	5620	5704				5604		5307
5703		5306	5303	5665	5609	5503				5262		5670
5282		5508	5595	5312	5657					5644		5565
5294		5261	5678	5637	5263					5612		5688
5532		5623	5330	5504	5658					5278		
5648		5290		5622	5328					5654		
5699					5251					5259		
5695					5635					5291		

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 6, Trial 2 of 3
All Frequencies in MHz

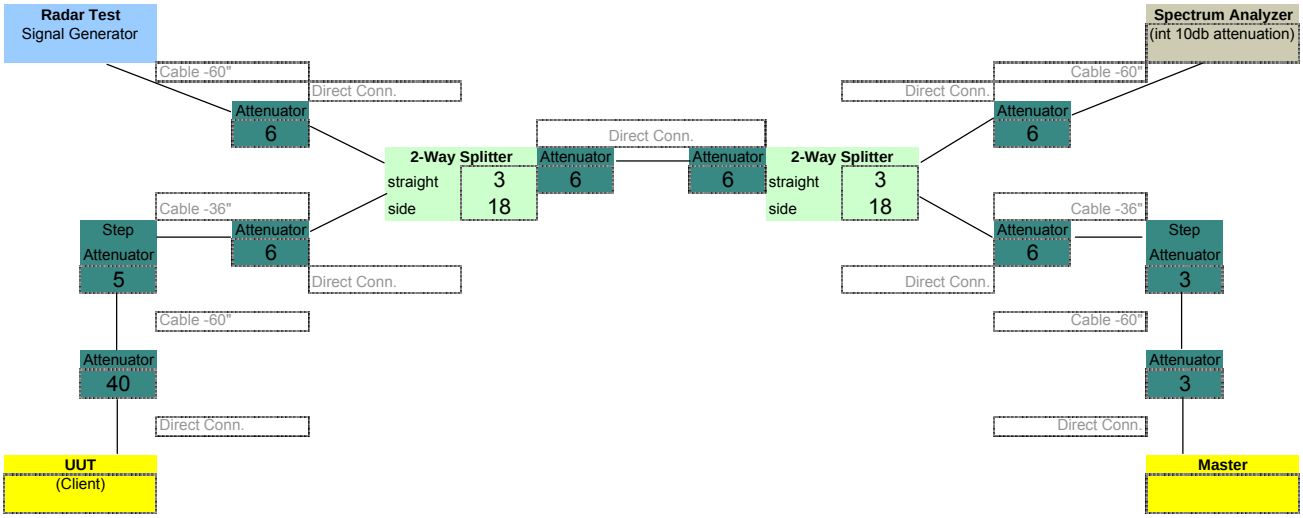
Trial #14	Trial #15	Trial #16	Trial #17	Trial #18	Trial #19	Trial #20	Trial #21	Trial #22	Trial #23	Trial #24	Trial #25	Trial #26
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5267	5685	5630	5513	5698	5285	5614	5568	5309	5328	5598	5284	5520
5592	5673	5570	5709	5498	5602	5645	5651	5604	5619	5543	5270	5547
5583	5626	5300	5550	5532	5305	5682	5498	5640	5708	5262	5306	5685
5650	5563	5561	5558	5628	5508	5531	5618	5492	5685	5315	5688	5535
5304	5622	5258	5284	5613	5329	5506	5495	5328	5653	5292	5586	5659
5649	5254	5706	5291	5529	5639	5605	5267	5521	5628	5605	5683	5577
5255	5303	5596	5682	5694	5257	5510	5295	5616	5523	5515	5669	5645
5683	5654	5296	5639	5515	5660	5536	5650	5498	5598	5516	5702	5683
5305	5575	5657	5553	5286	5307	5650	5257	5625	5276	5668	5273	5541
5298	5578	5255	5619	5579	5664	5699	5316	5293	5299	5640	5290	5587
5636	5571	5525	5695	5266	5651	5503	5308	5313	5657	5638	5690	5516
5312	5328	5545	5612	5696	5299	5508	5291	5583	5502	5618	5301	5611
5554	5671	5631	5538	5587	5511	5670	5522	5593	5538	5608	5653	5272
5308	5697	5535	5699	5631	5593	5512	5292	5502	5642	5671	5679	5509
5603	5670	5279	5262	5709	5584	5543	5641	5654	5678	5582	5614	5304
5294	5676	5692	5503	5283	5607	5660	5533	5541	5293	5659	5291	5646
5278	5599	5560	5649	5518	5709	5696	5526	5556	5700	5520	5279	5252
5272	5633	5313	5634	5537	5490	5252	5610	5553	5303	5709	5689	5301
5661	5698	5573	5630	5602	5296	5644	5500	5650	5309	5325	5537	5501
5517	5631	5317	5654	5523	5278	5642	5574	5267	5278	5614	5262	5686
5696	5262	5496	5570	5293	5492	5324	5258	5606	5649	5692	5627	5263
5618	5270	5295	5614	5259	5286	5317	5528	5668	5631	5510	5682	5573
5508	5308	5654	5547	5547	5534	5539	5322	5262	5570	5550	5630	5579
5552	5649	5621	5622	5274	5608	5330	5591	5647	5624	5535	5591	5539
5491	5612	5288	5537	5521	5652	5600	5654	5677	5326	5571	5582	5705
5523	5509	5492	5655	5693	5591	5326	5656	5276	5582	5617	5513	5696
5521	5601	5266	5323	5633	5583	5622	5705	5252	5261	5537	5699	5678
5550	5321	5607	5278	5516	5540	5535	5684	5641	5292	5508	5282	5324
5532	5564	5505	5659	5640	5297	5556	5677	5670	5614	5700	5637	5297
5695	5296	5675	5669	5703	5498	5289	5648	5310	5258	5328	5643	5641
5707	5532	5624	5683	5561	5658	5582	5633	5295	5680	5287	5292	5307
5702	5549	5523	5525	5612	5301	5675	5547	5532	5254	5694	5541	5300
5576	5269	5507	5327	5261	5284	5292	5569	5275	5298	5630	5632	5525
5510	5496	5565	5497	5545	5695	5262	5279	5615	5656	5613	5278	5703
5314	5567	5265	5703	5700	5318	5546	5615	5707	5616	5530	5287	5288
5611	5263	5276	5593	5302	5662	5710	5647	5271	5304	5324	5263	5619
5512	5553	5663	5254	5506	5263	5609	5264	5306	5694	5597	5652	5326
5564	5559	5494	5297	5575	5507	5282	5499	5298	5321	5589	5629	5674
5640	5523	5319	5705	5546	5666	5260	5543	5669	5698	5629	5498	5523
5699	5540	5567	5665	5672	5656	5549	5606	5683	5699	5557	5665	5582
5281	5589	5530	5562	5315	5699	5619	5288	5703	5291	5549	5569	5514
5540	5664	5697	5540	5265	5271	5571	5294	5636	5513	5587	5691	5671
5307	5568	5701	5625	5675	5640	5493	5638	5698	5679	5665	5623	5554
5315	5556	5520	5495	5499	5686	5558	5541	5643	5501	5706	5318	5689
5678	5636	5656	5275	5643	5604	5635	5293	5300	5519	5595	5305	5570
5495	5531	5647	5563	5301	5544	5631	5665	5516	5705	5266	5505	5625
5677	5314	5325	5674	5619	5258	5519	5521	5302	5312	5548	5316	5615
5499	5274	5506	5692	5255	5304	5610	5637	5263	5689	5572	5696	5556
5622	5259	5668	5637	5605	5603	5516	5645	5709	5558	5647	5510	5306
5533	5543	5327	5645	5493	5290	5562	5266	5608	5585	5577	5269	5270
5270	5570	5677	5287	5296	5579	5654	5327	5629	5671	5310	5566	5701
5643	5668	5501	5260	5553	5704	5623	5260	5671	5647	5636	5680	5285
5511	5594	5518	5599	5325	5270	5491	5564	5684	5550	5681	5277	5600
5575	5330	5534	5298	5562	5659	5554	5692	5321	5551	5693	5639	5278
5624	5683	5315	5492	5664	5669	5505	5689	5691	5533	5539	5642	5259
5612	5615	5592	5268	5650	5265	5603	5708	5518	5256	5556	5267	5649
5641	5316	5694	5653	5617	5596	5286	5697	5303	5695	5562	5695	5636
5607	5517	5543	5318	5674	5532	5318	5307	5591	5324	5641	5564	5693
5663	5663	5297	5640	5611	5693	5283	5535	5611	5305	5600		5291
5601	5324	5588	5580	5310	5328	5639	5582		5323	5503		5327
5327	5550	5322	5656	5281	5676	5672	5695		5534	5326		5672
5280	5658	5688		5638	5667	5517	5514		5287	5699		5303
5268	5558	5547		5264	5633	5607	5323			5524		5670
5664	5623			5496	5566	5616	5310			5590		5584
5260	5665			5275		5320	5588					
5642	5520			5305		5272	5545					
5597	5533			5552		5507	5579					

Statistical Performance Check - Working Radio 96 kHz

FCC-Type 6, Trial 3 of 3
All Frequencies in MHz

Trial #27	Trial #28	Trial #29	Trial #30
PASS	PASS	PASS	PASS
5626	5634	5667	5285
5504	5579	5603	5260
5271	5698	5653	5551
5645	5289	5602	5643
5643	5495	5264	5316
5709	5510	5317	5705
5538	5710	5497	5607
5535	5661	5664	5540
5703	5570	5705	5288
5519	5638	5628	5600
5529	5532	5694	5261
5490	5571	5274	5567
5559	5548	5302	5525
5622	5626	5316	5629
5324	5665	5635	5654
5509	5656	5492	5284
5687	5564	5283	5657
5292	5701	5260	5546
5294	5277	5271	5493
5604	5295	5590	5605
5545	5279	5634	5490
5514	5574	5588	5256
5646	5625	5523	5258
5701	5313	5313	5686
5657	5576	5252	5299
5678	5302	5689	5297
5503	5497	5614	5506
5561	5594	5619	5667
5287	5582	5318	5581
5611	5602	5320	5701
5635	5689	5508	5287
5257	5635	5671	5597
5593	5654	5699	5561
5629	5325	5514	5679
5684	5569	5490	5548
5553	5686	5595	5648
5585	5687	5286	5593
5688	5652	5632	5270
5686	5250	5273	5684
5706	5683	5250	5279
5625	5530	5593	5513
5631	5696	5646	5562
5321	5595	5319	5706
5564	5546	5298	5640
5577	5593	5605	5329
5649	5319	5280	5278
5582	5490	5269	5265
5319	5328	5570	5644
5293	5330	5625	5696
5628	5672	5322	5583
5268	5587	5644	5507
5607	5669	5647	5296
5266	5305	5662	5328
5282	5607	5615	5293
5660	5684	5610	5651
5555	5612	5709	5314
5589	5272	5289	5286
5277	5538	5561	5323
5627	5647	5637	5683
5260	5312	5551	5653
5691	5320	5683	5572
5320	5255	5550	

Statistical Performance Check - Working Radio 96 kHz



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30

Statistical Performance Check - Working Radio 48 kHz

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Spectrum Analyzer	Agilent	E4440	AFE	11/4/2013	24
40GHz DC Block	Miteq	DCB4000	AMD	4/28/2014	12
Attenuator 20 dB, SMA M/F 26GHz	S.M. Electronics	SA26B-20	AUY	7/30/2013	12
EV06 Direct Connect Cable	ESM Cable Corp.	TT	ECA	NCR	0
Power Sensor	Gigatronics	80701A	SPL	7/8/2011	36
Power Meter	Gigatronics	8651A	SPM	11/26/2013	24
MXG Vector Signal Generator	Agilent	N5182A	TIF	NCR	0
Attenuator, 'Precision N'	S.M. Electronics	SA18N-06/SM4032	REE	12/2/2013	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
DFS Signal Generator	Benchforge Manufacturing	Colt	TIN	NCR	0
Step Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. An approved media file was streamed through a master and client system. The configuration and status of the master device was monitored for a percentage of successful detections per radar type.

The statistical performance of the UUT is based off a 30 trial test run. As fully described earlier in this report, the measured and verified -62dBm threshold radar types 1-6 were used to illustrate the statistical performance of the UUT as define in the testing procedure.

Statistical Performance Check - Working Radio 48 kHz

EUT:	444-2251			**Work Order:**	FOCU0169
Serial Number:	02EA4F0007D			**Date:**	06/19/14
Customer:	Summit Semiconductor LLC			**Temperature:**	23.8°C
Attendees:	David Schilling			**Humidity:**	42%
Project:	None			**Barometric Pres.:**	1015
Tested by:	Brandon Hobbs	**Power:**	110VAC/60Hz	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2014	ANSI C63.10:2009

COMMENTS

Modes of operation were provided by the client. Reference the DFS setup and master attenuation documentation for the attenuators used while under test.

DEVIATIONS FROM TEST STANDARD

None

Configuration #	4	Signature

						Value	Limit	Result
Working Radio								
	48 kHz Sampling Frequency							
		5300 MHz						
		Radar 1					100.0%	60.0%	PASS
		Radar 2					86.7%	60.0%	PASS
		Radar 3					100.0%	60.0%	PASS
		Radar 4					96.7%	60.0%	PASS
		Radar 1-4 Summary	100.0%	86.7%	100.0%	96.7%	86.7%	80.0%	PASS
		Radar 5					100.0%	80.0%	PASS
		Radar 6					100.0%	70.0%	PASS

Statistical Performance Check - Working Radio 48 kHz

Working Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 1						
				Value	**Limit**	**Result**
				100.0%	60.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Working Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 2						
				Value	**Limit**	**Result**
				86.7%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	24	5.000 us	175.000 us
2	PASS	27	2.100 us	230.000 us
3	FAIL	23	4.600 us	179.000 us
4	PASS	29	1.300 us	177.000 us
5	PASS	29	4.100 us	205.000 us
6	PASS	27	1.500 us	151.000 us
7	PASS	25	2.700 us	158.000 us
8	PASS	25	3.400 us	206.000 us
9	PASS	27	1.700 us	221.000 us
10	PASS	26	2.200 us	185.000 us
11	PASS	29	1.800 us	152.000 us
12	PASS	27	4.100 us	230.000 us
13	PASS	24	4.100 us	166.000 us
14	PASS	24	2.000 us	195.000 us
15	PASS	24	3.200 us	209.000 us
16	PASS	23	2.500 us	202.000 us
17	PASS	27	1.700 us	210.000 us
18	PASS	29	2.900 us	199.000 us
19	PASS	23	2.000 us	153.000 us
20	PASS	26	3.500 us	179.000 us
21	PASS	25	2.000 us	214.000 us
22	FAIL	24	3.200 us	173.000 us
23	PASS	27	3.100 us	223.000 us
24	FAIL	23	4.900 us	162.000 us
25	PASS	28	1.100 us	175.000 us
26	PASS	25	1.000 us	218.000 us
27	PASS	23	1.600 us	208.000 us
28	PASS	27	3.700 us	172.000 us
29	FAIL	29	3.600 us	159.000 us
30	PASS	27	4.400 us	160.000 us

Statistical Performance Check - Working Radio 48 kHz

Working Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 3

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	16	6.400 us	476.000 us
2	PASS	18	6.600 us	305.000 us
3	PASS	17	8.800 us	478.000 us
4	PASS	18	7.300 us	338.000 us
5	PASS	16	9.600 us	246.000 us
6	PASS	17	7.200 us	459.000 us
7	PASS	16	7.500 us	239.000 us
8	PASS	17	9.000 us	417.000 us
9	PASS	16	6.400 us	266.000 us
10	PASS	18	7.700 us	403.000 us
11	PASS	17	8.200 us	330.000 us
12	PASS	16	8.900 us	360.000 us
13	PASS	18	9.400 us	319.000 us
14	PASS	18	6.800 us	264.000 us
15	PASS	18	8.600 us	353.000 us
16	PASS	16	8.800 us	328.000 us
17	PASS	17	6.400 us	231.000 us
18	PASS	17	8.000 us	452.000 us
19	PASS	18	7.300 us	231.000 us
20	PASS	18	9.100 us	356.000 us
21	PASS	16	10.000 us	214.000 us
22	PASS	18	9.300 us	337.000 us
23	PASS	16	7.100 us	319.000 us
24	PASS	16	8.100 us	434.000 us
25	PASS	17	8.200 us	216.000 us
26	PASS	16	6.200 us	472.000 us
27	PASS	17	9.400 us	214.000 us
28	PASS	16	7.200 us	445.000 us
29	PASS	18	8.300 us	259.000 us
30	PASS	17	6.800 us	282.000 us

Working Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 4

				Value	Limit	Result
				96.7%	60.0%	PASS

Trial #	Detected	Number of Pulse Per Burst	Pulse Width (us)	PRI (us)
1	PASS	14	12.300 us	258.000 us
2	PASS	16	11.200 us	466.000 us
3	PASS	12	12.900 us	477.000 us
4	PASS	14	12.600 us	389.000 us
5	PASS	15	16.300 us	215.000 us
6	PASS	14	18.300 us	387.000 us
7	PASS	13	14.800 us	310.000 us
8	PASS	14	15.200 us	346.000 us
9	PASS	14	12.500 us	409.000 us
10	PASS	13	13.400 us	448.000 us
11	PASS	14	11.200 us	451.000 us
12	PASS	12	11.700 us	495.000 us
13	PASS	15	18.300 us	236.000 us
14	PASS	14	16.400 us	381.000 us
15	PASS	12	12.500 us	454.000 us
16	PASS	16	11.500 us	277.000 us
17	PASS	13	15.800 us	261.000 us
18	PASS	16	14.800 us	438.000 us
19	PASS	16	14.200 us	463.000 us
20	PASS	16	15.600 us	408.000 us
21	PASS	16	15.900 us	499.000 us
22	PASS	13	13.600 us	391.000 us
23	PASS	12	18.000 us	258.000 us
24	PASS	16	14.700 us	419.000 us
25	FAIL	14	14.200 us	239.000 us
26	PASS	14	15.400 us	279.000 us
27	PASS	12	14.700 us	276.000 us
28	PASS	13	13.600 us	441.000 us
29	PASS	12	19.100 us	300.000 us
30	PASS	16	14.200 us	319.000 us

Statistical Performance Check - Working Radio 48 kHz

Working Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 1-4 Summary						
Radar 1	**Radar 2**	**Radar 3**	**Radar 4**	**Value**	**Limit**	**Result**
100%	86.70%	100%	96.70%	86.70%	80%	PASS

Working Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 5						
				Value	**Limit**	**Result**
				100.0%	80.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Statistical Performance Check - Working Radio 48 kHz

Working Radio, 48kHz Sampling Frequency, 5300 MHz , Radar 6

				Value	Limit	Result
				100.0%	70.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 1 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	74644	1	14	50	1575	0	0	74644	0	799999
2	737719	2	15	75	1939	1884	0	813938	800000	1599999
3	1314226	1	8	75	1638	0	0	2131987	1600000	2399999
4	830340	2	16	50	1244	1596	0	2963965	2400000	3199999
5	799341	2	18	95	1428	1282	0	3766146	3200000	3999999
6	815307	3	12	55	1513	1850	1601	4584163	4000000	4799999
7	532808	2	7	60	1838	1753	0	5121935	4800000	5599999
8	1090952	2	11	75	1024	1887	0	6216478	5600000	6399999
9	657712	1	15	80	1952	0	0	6877101	6400000	7199999
10	807027	1	12	75	1227	0	0	7686080	7200000	7999999
11	977407	2	9	100	1637	1036	0	8664714	8000000	8799999
12	682384	3	15	80	1257	1555	1372	9349771	8800000	9599999
13	442481	2	10	95	1648	1614	0	9796436	9600000	10399999
14	1097878	1	18	65	1885	0	0	10897576	10400000	11199999
15	833536	2	18	50	1338	1137	0	11732997	11200000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 2 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	599981	1	17	75	1391	0	0	599981	0	857142
2	609544	2	7	80	1290	1740	0	1210916	857143	1714285
3	545954	3	12	80	1430	1203	1554	1759900	1714286	2571428
4	1462534	3	11	95	1194	1604	1308	3226621	2571429	3428571
5	425976	3	15	65	1757	1038	1542	3656703	3428572	4285714
6	1466795	3	6	70	1222	1987	1705	5127835	4285715	5142857
7	511902	1	7	100	1121	0	0	5644651	5142858	6000000
8	582715	2	20	80	1219	1478	0	6228487	6000001	6857143
9	1367671	3	18	50	1963	1290	1195	7598855	6857144	7714286
10	883979	2	6	55	1090	1701	0	8487282	7714287	8571429
11	570633	1	13	100	1214	0	0	9060706	8571430	9428572
12	849373	1	15	60	1351	0	0	9911293	9428573	10285715
13	982665	1	11	75	1599	0	0	10895309	10285716	11142858
14	630835	1	20	85	1544	0	0	11527743	11142859	12000001

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 3 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	883945	3	11	100	1178	1492	1293	883945	0	923076
2	294628	3	9	60	1720	1497	1767	1182536	923077	1846153
3	835437	1	15	70	1973	0	0	2022957	1846154	2769230
4	1166911	2	14	90	1000	1844	0	3191841	2769231	3692307
5	797147	3	19	100	1490	1619	1132	3991832	3692308	4615384
6	1139456	1	14	50	1896	0	0	5135529	4615385	5538461
7	1021631	3	20	85	1529	1590	1684	6159056	5538462	6461538
8	1019269	2	20	70	1646	1568	0	7183128	6461539	7384615
9	703980	2	11	100	1548	1813	0	7890322	7384616	8307692
10	466556	3	19	55	1153	1073	1011	8360239	8307693	9230769
11	1469104	2	8	60	1909	1443	0	9832580	9230770	10153846
12	802289	1	19	85	1500	0	0	10638221	10153847	11076923
13	634227	2	17	75	1418	1993	0	11273948	11076924	12000000

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 4 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	3702	1	15	70	1398	0	0	3702	0	666666
2	852362	2	19	85	1174	1238	0	857462	666667	1333333
3	955870	3	13	85	1058	1039	1373	1815744	1333334	2000000
4	782614	2	16	70	1425	1460	0	2601828	2000001	2666667
5	340500	2	6	100	1367	1103	0	2945213	2666668	3333334
6	689822	3	11	95	1060	1360	1717	3637505	3333335	4000001
7	498066	3	6	75	1601	1754	1615	4139708	4000002	4666668
8	768603	1	9	90	1151	0	0	4913281	4666669	5333335
9	943996	2	19	85	1141	1144	0	5858428	5333336	6000002
10	752977	2	18	75	1936	1601	0	6613690	6000003	6666669
11	472445	2	10	50	1360	1682	0	7089672	6666670	7333336
12	311061	2	11	100	1448	1272	0	7403775	7333337	8000003
13	917341	2	14	75	1716	1634	0	8323836	8000004	8666670
14	973000	3	6	65	1056	1511	1515	9300186	8666671	9333337
15	675813	3	14	55	1972	1767	1221	9980081	9333338	10000004
16	289247	2	8	50	1407	1272	0	10274288	10000005	10666671
17	985365	1	5	95	1004	0	0	11262332	10666672	11333338
18	138198	1	9	100	1986	0	0	11401534	11333339	12000005

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 5 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	366271	3	18	50	1327	1721	1298	366271	0	666666
2	611091	3	19	50	1198	1991	1229	981708	666667	1333333
3	984926	2	5	60	1411	1102	0	1971052	1333334	2000000
4	359163	2	14	60	1974	1511	0	2332728	2000001	2666667
5	611820	1	7	90	1966	0	0	2948033	2666668	3333334
6	461395	3	15	90	1818	1542	1356	3411394	3333335	4000001
7	1055186	1	14	80	1537	0	0	4471296	4000002	4666668
8	771673	1	14	60	1402	0	0	5244506	4666669	5333335
9	267637	1	9	70	1550	0	0	5513545	5333336	6000002
10	1046308	3	5	85	1618	1159	1476	6561403	6000003	6666669
11	187156	1	10	50	1367	0	0	6752812	6666670	7333336
12	840722	1	12	50	1603	0	0	7594901	7333337	8000003
13	936800	3	14	65	1808	1061	1094	8533304	8000004	8666670
14	543335	1	6	60	1321	0	0	9080602	8666671	9333337
15	317439	2	6	50	1924	1210	0	9399362	9333338	10000004
16	1065817	2	9	75	1304	1664	0	10468313	10000005	10666671
17	533867	2	19	100	1176	1499	0	11005148	10666672	11333338
18	606896	1	9	55	1198	0	0	11614719	11333339	12000005

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 6 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	920736	2	16	80	1395	1597	0	920736	0	999999
2	904168	1	19	50	1750	0	0	1827896	1000000	1999999
3	673003	3	5	90	1922	1870	1124	2502649	2000000	2999999
4	886581	1	14	100	1797	0	0	3394146	3000000	3999999
5	1486272	2	10	65	1252	1932	0	4882215	4000000	4999999
6	337491	2	5	70	1689	1616	0	5222890	5000000	5999999
7	906368	1	18	95	1050	0	0	6132563	6000000	6999999
8	1790952	2	16	95	1378	1541	0	7924565	7000000	7999999
9	79507	3	5	85	1840	1183	1848	8006991	8000000	8999999
10	1455459	2	6	95	1733	1751	0	9467321	9000000	9999999
11	1332612	3	20	60	1978	1437	1439	10803417	10000000	10999999
12	447036	1	10	55	1748	0	0	11255307	11000000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 7 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	339520	2	10	55	1721	1152	0	339520	0	799999
2	1120729	3	11	50	1296	1730	1098	1463122	800000	1599999
3	566124	1	12	85	1849	0	0	2033370	1600000	2399999
4	765328	1	5	50	1363	0	0	2800547	2400000	3199999
5	769168	2	19	55	1864	1129	0	3571078	3200000	3999999
6	640499	2	18	55	1438	1194	0	4214570	4000000	4799999
7	612619	1	8	55	1439	0	0	4829821	4800000	5599999
8	1364377	1	20	50	1721	0	0	6195637	5600000	6399999
9	906734	1	7	50	1692	0	0	7104092	6400000	7199999
10	589309	2	10	100	1772	1314	0	7695093	7200000	7999999
11	340734	3	16	65	1590	1120	1638	8038913	8000000	8799999
12	900339	1	17	50	1851	0	0	8943600	8800000	9599999
13	1105647	1	5	50	1748	0	0	10051098	9600000	10399999
14	618761	1	12	75	1218	0	0	10671607	10400000	11199999
15	659114	2	9	95	1285	1296	0	11331939	11200000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 8 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	501254	2	10	50	1454	1594	0	501254	0	705881
2	651280	3	9	50	1538	1081	1349	1155582	705882	1411763
3	482863	2	10	100	1388	1847	0	1642413	1411764	2117645
4	1125222	2	17	65	1501	1599	0	2770870	2117646	2823527
5	506108	1	11	60	1665	0	0	3280078	2823528	3529409
6	621803	1	8	70	1824	0	0	3903546	3529410	4235291
7	725035	1	14	65	1383	0	0	4630405	4235292	4941173
8	484527	1	6	65	1536	0	0	5116315	4941174	5647055
9	860338	2	17	50	1468	1576	0	5978189	5647056	6352937
10	626445	3	20	70	1726	1773	1561	6607678	6352938	7058819
11	717888	1	6	65	1704	0	0	7330626	7058820	7764701
12	656233	2	9	75	1920	1566	0	7988563	7764702	8470583
13	1090676	1	11	80	1375	0	0	9082725	8470584	9176465
14	507866	2	18	75	1790	1323	0	9591966	9176466	9882347
15	465242	3	17	55	1492	1617	1226	10060321	9882348	10588229
16	898843	1	20	100	1224	0	0	10963499	10588230	11294111
17	700954	2	11	85	1699	1147	0	11665677	11294112	11999993

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 9 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	408873	1	12	80	1463	0	0	408873	0	999999
2	614625	3	16	95	1543	1326	1521	1024961	1000000	1999999
3	1388278	3	19	85	1368	1862	1466	2417629	2000000	2999999
4	1263746	1	20	75	1916	0	0	3686071	3000000	3999999
5	888034	1	16	50	1977	0	0	4576021	4000000	4999999
6	555840	1	7	70	1566	0	0	5133838	5000000	5999999
7	1854575	1	11	90	1063	0	0	6989979	6000000	6999999
8	390184	3	20	80	1656	1720	1751	7381226	7000000	7999999
9	1085966	2	15	100	1031	1808	0	8472319	8000000	8999999
10	1186461	3	16	85	1715	1779	1502	9661619	9000000	9999999
11	389644	3	6	55	1338	1301	1917	10056259	10000000	10999999
12	986457	2	14	90	1752	1803	0	11047272	11000000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 10 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	818993	2	16	95	1955	1195	0	818993	0	999999
2	318059	1	6	50	1897	0	0	1140202	1000000	1999999
3	1305847	3	19	50	1402	1785	1271	2447946	2000000	2999999
4	625021	1	14	80	1683	0	0	3077425	3000000	3999999
5	1731741	1	18	90	1071	0	0	4810849	4000000	4999999
6	1118123	2	6	85	1632	1579	0	5930043	5000000	5999999
7	399361	1	15	50	1382	0	0	6332615	6000000	6999999
8	1130765	2	14	50	1684	1856	0	7464762	7000000	7999999
9	810063	3	19	60	1228	1742	1696	8278365	8000000	8999999
10	1138830	2	13	85	1338	1360	0	9421861	9000000	9999999
11	1471120	3	8	90	1055	1976	1036	10895679	10000000	10999999
12	326533	2	19	55	1365	1232	0	11226279	11000000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 11 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	438328	2	14	70	1663	1956	0	438328	0	705881
2	516001	1	7	80	1800	0	0	957948	705882	1411763
3	958389	3	6	60	1405	1937	1942	1918137	1411764	2117645
4	780907	3	17	50	1964	1860	1642	2704328	2117646	2823527
5	491840	3	20	100	1712	1657	1751	3201634	2823528	3529409
6	928653	1	17	60	1758	0	0	4135407	3529410	4235291
7	486459	2	17	100	1324	1836	0	4623624	4235292	4941173
8	380241	1	18	75	1343	0	0	5007025	4941174	5647055
9	868150	1	10	85	1833	0	0	5876518	5647056	6352937
10	543027	2	7	95	1834	1878	0	6421378	6352938	7058819
11	1056498	3	10	75	1211	1163	1723	7481588	7058820	7764701
12	348810	3	16	85	1917	1366	1840	7834495	7764702	8470583
13	839089	1	19	65	1678	0	0	8678707	8470584	9176465
14	941296	1	11	90	1943	0	0	9621681	9176466	9882347
15	497385	3	20	60	1901	1428	1531	10121009	9882348	10588229
16	984967	3	11	55	1101	1105	1937	11110836	10588230	11294111
17	708874	1	13	50	1603	0	0	11823853	11294112	11999993

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 12 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	679001	1	7	80	1896	0	0	679001	0	857142
2	580104	3	13	60	1105	1641	1924	1261001	857143	1714285
3	901690	2	13	70	1629	1814	0	2167361	1714286	2571428
4	928068	2	13	85	1572	1358	0	3098872	2571429	3428571
5	616234	3	17	90	1214	1842	1561	3718036	3428572	4285714
6	861578	3	16	70	1299	1026	1772	4584231	4285715	5142857
7	1371516	2	8	85	1896	1145	0	5959844	5142858	6000000
8	385656	2	11	55	1438	1971	0	6348541	6000001	6857143
9	527991	2	11	60	1714	1396	0	6879941	6857144	7714286
10	1352377	1	12	50	1920	0	0	8235428	7714287	8571429
11	755084	3	12	85	1656	1044	1139	8992432	8571430	9428572
12	749386	2	5	100	1896	1441	0	9745657	9428573	10285715
13	891119	3	8	50	1233	1453	1726	10640113	10285716	11142858
14	1232834	2	17	85	1686	1547	0	11877359	11142859	12000001

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 13 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	436131	3	6	55	1675	1932	1520	436131	0	857142
2	829977	3	14	80	1764	1794	1527	1271235	857143	1714285
3	1221564	3	16	50	1589	1105	1449	2497884	1714286	2571428
4	771436	1	15	100	1494	0	0	3273463	2571429	3428571
5	942877	1	5	50	1346	0	0	4217834	3428572	4285714
6	815998	2	13	75	1711	1657	0	5035178	4285715	5142857
7	935696	3	19	90	1760	1035	1728	5974242	5142858	6000000
8	814185	1	7	60	1518	0	0	6792950	6000001	6857143
9	779540	2	16	85	1491	1547	0	7574008	6857144	7714286
10	220550	1	16	60	1874	0	0	7797596	7714287	8571429
11	964964	2	9	70	1380	1620	0	8764434	8571430	9428572
12	905441	3	15	50	1492	1618	1194	9672875	9428573	10285715
13	758502	3	15	100	1418	1854	1248	10435681	10285716	11142858
14	708427	2	5	55	1694	1191	0	11148628	11142859	12000001

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 14 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	208833	3	20	75	1230	1282	1666	208833	0	999999
2	1432912	1	5	95	1014	0	0	1645923	1000000	1999999
3	803342	3	13	55	1671	1354	1031	2450279	2000000	2999999
4	868559	3	20	90	1352	1177	1888	3322894	3000000	3999999
5	1086507	2	12	80	1031	1331	0	4413818	4000000	4999999
6	1188405	1	7	95	1227	0	0	5604585	5000000	5999999
7	584518	1	19	80	1084	0	0	6190330	6000000	6999999
8	854597	2	16	65	1874	1027	0	7046011	7000000	7999999
9	1284713	1	19	80	1579	0	0	8333625	8000000	8999999
10	895479	2	19	55	1684	1922	0	9230683	9000000	9999999
11	1054955	1	6	75	1942	0	0	10289244	10000000	10999999
12	1205790	2	11	70	1987	1814	0	11496976	11000000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 15 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	788035	3	6	50	1397	1413	1061	788035	0	857142
2	669024	1	18	75	1465	0	0	1460930	857143	1714285
3	749208	1	14	70	1841	0	0	2211603	1714286	2571428
4	825253	3	19	85	1949	1756	1601	3038697	2571429	3428571
5	519317	2	5	85	1358	1964	0	3563320	3428572	4285714
6	1050643	3	16	75	1888	1367	1422	4617285	4285715	5142857
7	1070934	2	20	50	1513	1570	0	5692896	5142858	6000000
8	1076087	3	7	55	1495	1233	1309	6772066	6000001	6857143
9	222857	1	15	50	1886	0	0	6998960	6857144	7714286
10	1361042	2	17	100	1367	1024	0	8361888	7714287	8571429
11	970538	1	14	55	1953	0	0	9334817	8571430	9428572
12	320406	3	19	90	1331	1918	1035	9657176	9428573	10285715
13	939782	1	7	70	1440	0	0	10601242	10285716	11142858
14	1349065	1	19	55	1015	0	0	11951747	11142859	12000001

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 16 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	768503	2	12	75	1730	1700	0	768503	0	1199999
2	1198499	1	12	55	1797	0	0	1970432	1200000	2399999
3	661496	1	16	65	1576	0	0	2633725	2400000	3599999
4	1674305	3	10	90	1320	1819	1690	4309606	3600000	4799999
5	833369	3	5	75	1800	1270	1927	5147804	4800000	5999999
6	1633373	2	18	75	1585	1426	0	6786174	6000000	7199999
7	429128	2	16	85	1843	1571	0	7218313	7200000	8399999
8	1967557	3	19	95	1468	1138	1424	9189284	8400000	9599999
9	1166319	2	14	85	1566	1789	0	10359633	9600000	10799999
10	1373061	1	8	50	1552	0	0	11736049	10800000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 17 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	560607	3	15	100	1696	1023	1843	560607	0	999999
2	967309	3	14	60	1358	1145	1616	1532478	1000000	1999999
3	957500	3	5	65	1743	1879	1238	2494097	2000000	2999999
4	1127568	3	18	80	1437	1100	1352	3626525	3000000	3999999
5	972468	2	15	55	1683	1743	0	4602882	4000000	4999999
6	1014249	2	16	95	1973	1214	0	5620557	5000000	5999999
7	1060054	1	20	65	1756	0	0	6683798	6000000	6999999
8	610068	2	6	85	1979	1461	0	7295622	7000000	7999999
9	1453111	2	13	50	1731	1911	0	8752173	8000000	8999999
10	1105397	2	19	60	1549	1504	0	9861212	9000000	9999999
11	456430	2	7	80	1689	1164	0	10320695	10000000	10999999
12	1453328	2	20	65	1401	1572	0	11776876	11000000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 18 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	212401	1	7	50	1977	0	0	212401	0	705881
2	870331	1	9	85	1422	0	0	1084709	705882	1411763
3	682203	2	6	80	1343	1170	0	1768334	1411764	2117645
4	815436	2	16	75	1845	1494	0	2586283	2117646	2823527
5	677015	3	17	90	1218	1028	1166	3266637	2823528	3529409
6	533657	3	11	55	1820	1665	1958	3803706	3529410	4235291
7	1078600	3	8	65	1571	1565	1967	4887749	4235292	4941173
8	205026	1	5	95	1320	0	0	5097878	4941174	5647055
9	691674	3	18	70	1789	1154	1333	5790872	5647056	6352937
10	593836	3	13	90	1060	1514	1628	6388984	6352938	7058819
11	706963	1	20	95	1231	0	0	7100149	7058820	7764701
12	1342894	2	17	95	1860	1155	0	8444274	7764702	8470583
13	618941	2	7	50	1763	1461	0	9066230	8470584	9176465
14	288714	1	8	80	1157	0	0	9358168	9176466	9882347
15	1072501	1	11	75	1834	0	0	10431826	9882348	10588229
16	199180	3	13	80	1930	1190	1883	10632840	10588230	11294111
17	1138010	2	13	50	1442	1865	0	11775853	11294112	11999993

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 19 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	62347	1	17	95	1173	0	0	62347	0	1499999
2	2209362	1	7	60	1752	0	0	2272882	1500000	2999999
3	2023544	3	18	65	1847	1926	1036	4298178	3000000	4499999
4	1352593	3	15	55	1233	1284	1079	5655580	4500000	5999999
5	1373256	2	11	55	1269	1952	0	7032432	6000000	7499999
6	1592688	1	16	55	1897	0	0	8628341	7500000	8999999
7	1273283	3	9	85	1556	1970	1936	9903521	9000000	10499999
8	593779	3	16	70	1093	1204	1774	10502762	10500000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 20 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	955228	1	5	95	1462	0	0	955228	0	1199999
2	859879	3	20	60	1200	1402	1671	1816569	1200000	2399999
3	768172	2	9	90	1410	1014	0	2589014	2400000	3599999
4	2086400	3	5	85	1539	1608	1264	4677838	3600000	4799999
5	165023	1	5	95	1169	0	0	4847272	4800000	5999999
6	1774997	2	14	85	1955	1610	0	6623438	6000000	7199999
7	1677627	3	9	55	1999	1231	1752	8304630	7200000	8399999
8	1207449	3	12	65	1916	1793	1687	9517061	8400000	9599999
9	963455	1	13	55	1269	0	0	10485912	9600000	10799999
10	1252343	1	6	50	1421	0	0	11739524	10800000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 21 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1257387	1	17	75	1397	0	0	1257387	0	1499999
2	337367	2	6	75	1885	1462	0	1596151	1500000	2999999
3	1660140	1	11	55	1484	0	0	3259638	3000000	4499999
4	1434042	1	18	75	1635	0	0	4695164	4500000	5999999
5	2053406	2	17	55	1302	1750	0	6750205	6000000	7499999
6	1539812	1	7	90	1408	0	0	8293069	7500000	8999999
7	1307315	3	17	70	1563	1604	1395	9601792	9000000	10499999
8	1998154	2	13	90	1293	1160	0	11604508	10500000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 22 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	983	3	17	100	1188	1536	1458	983	0	749999
2	903858	1	14	55	1139	0	0	909023	750000	1499999
3	750486	2	17	90	1169	1981	0	1660648	1500000	2249999
4	691469	3	19	50	1647	1128	1879	2355267	2250000	2999999
5	1198738	1	7	60	1563	0	0	3558659	3000000	3749999
6	787409	2	12	100	1735	1380	0	4347631	3750000	4499999
7	587762	2	8	65	1048	1132	0	4938508	4500000	5249999
8	740607	2	12	65	1409	1783	0	5681295	5250000	5999999
9	1041907	1	10	50	1527	0	0	6726394	6000000	6749999
10	461046	1	10	55	1178	0	0	7188967	6750000	7499999
11	984296	1	13	65	1538	0	0	8174441	7500000	8249999
12	261895	2	13	75	1593	1329	0	8437874	8250000	8999999
13	909949	3	12	60	1993	1653	1247	9350745	9000000	9749999
14	435345	2	10	100	1493	1763	0	9790983	9750000	10499999
15	1368719	2	6	55	1671	1369	0	11162958	10500000	11249999
16	510804	1	9	75	1943	0	0	11676802	11250000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 23 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	440784	2	20	55	1354	1636	0	440784	0	1090908
2	717849	1	17	100	1093	0	0	1161623	1090909	2181817
3	1740581	1	8	50	1009	0	0	2903297	2181818	3272726
4	718001	1	7	90	1762	0	0	3622307	3272727	4363635
5	919539	3	18	95	1566	1922	1088	4543608	4363636	5454544
6	1627208	2	17	75	1168	1100	0	6175392	5454545	6545453
7	867898	3	6	55	1764	1825	1754	7045558	6545454	7636362
8	1103126	1	16	55	1426	0	0	8154027	7636363	8727271
9	1012039	1	12	80	1224	0	0	9167492	8727272	9818180
10	770538	2	11	70	1152	1359	0	9939254	9818181	10909089
11	1826381	2	9	100	1698	1538	0	11768146	10909090	11999998

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 24 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	477922	2	6	55	1568	1354	0	477922	0	666666
2	781085	2	8	85	1760	1816	0	1261929	666667	1333333
3	701535	1	10	95	1891	0	0	1967040	1333334	2000000
4	398416	2	16	75	1323	1489	0	2367347	2000001	2666667
5	460850	1	20	65	1818	0	0	2831009	2666668	3333334
6	948095	2	7	50	1433	1935	0	3780922	3333335	4000001
7	398838	3	7	50	1105	1702	1178	4183128	4000002	4666668
8	609668	2	14	100	1678	1527	0	4796781	4666669	5333335
9	694966	3	7	100	1294	1676	1956	5494952	5333336	6000002
10	606839	2	12	80	1114	1552	0	6106717	6000003	6666669
11	816242	3	7	50	1151	1038	1966	6925625	6666670	7333336
12	824922	3	13	55	1584	1871	1511	7754702	7333337	8000003
13	749360	1	15	60	1556	0	0	8509028	8000004	8666670
14	636988	1	16	55	1521	0	0	9147572	8666671	9333337
15	782568	2	17	100	1446	1736	0	9931661	9333338	10000004
16	66847	1	14	70	1636	0	0	10001690	10000005	10666671
17	679623	3	9	50	1750	1343	1397	10682949	10666672	11333338
18	810508	3	12	70	1955	1232	1720	11497947	11333339	12000005

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 25 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	190834	1	18	60	1129	0	0	190834	0	857142
2	1109746	1	7	80	1293	0	0	1301709	857143	1714285
3	986500	3	13	95	1836	1273	1206	2289502	1714286	2571428
4	999154	2	12	80	1953	1356	0	3292971	2571429	3428571
5	735255	3	12	65	1681	1802	1136	4031535	3428572	4285714
6	279602	1	12	60	1398	0	0	4315756	4285715	5142857
7	1568839	1	11	80	1322	0	0	5885993	5142858	6000000
8	758849	2	6	65	1817	1680	0	6646164	6000001	6857143
9	226899	2	9	95	1144	1252	0	6876560	6857144	7714286
10	1498305	2	11	50	1988	1994	0	8377261	7714287	8571429
11	624153	1	15	75	1789	0	0	9005396	8571430	9428572
12	1052846	1	9	60	1454	0	0	10060031	9428573	10285715
13	237061	1	5	100	1362	0	0	10298546	10285716	11142858
14	1415837	3	13	80	1665	1152	1323	11715745	11142859	12000001

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 26 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	191744	3	5	55	1922	1578	1429	191744	0	799999
2	1002221	2	15	60	1042	1265	0	1198894	800000	1599999
3	546468	2	9	90	1839	1110	0	1747669	1600000	2399999
4	857644	2	10	95	1047	1747	0	2608262	2400000	3199999
5	1295900	1	20	60	1996	0	0	3906956	3200000	3999999
6	299469	2	10	80	1180	1134	0	4208421	4000000	4799999
7	790803	1	19	80	1842	0	0	5001538	4800000	5599999
8	1028691	1	11	95	1151	0	0	6032071	5600000	6399999
9	848097	2	6	50	1116	1927	0	6881319	6400000	7199999
10	1045052	2	10	65	1974	1613	0	7929414	7200000	7999999
11	842328	3	10	60	1676	1609	1056	8775329	8000000	8799999
12	636179	3	20	95	1997	1076	1686	9415849	8800000	9599999
13	379394	1	18	60	1682	0	0	9800002	9600000	10399999
14	672396	1	14	85	1150	0	0	10474080	10400000	11199999
15	827020	3	18	90	1082	1615	1275	11302250	11200000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 27 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	124079	1	17	90	1147	0	0	124079	0	599999
2	769832	3	19	95	1008	1563	1752	895058	600000	1199999
3	475656	3	14	55	1337	1495	1209	1375037	1200000	1799999
4	942073	1	9	80	1565	0	0	2321151	1800000	2399999
5	305876	3	5	80	1697	1154	1143	2628592	2400000	2999999
6	663109	3	12	60	1263	1814	1036	3295695	3000000	3599999
7	878601	1	6	65	1873	0	0	4178409	3600000	4199999
8	85418	1	14	60	1962	0	0	4265700	4200000	4799999
9	721992	3	16	65	1131	1320	1903	4989654	4800000	5399999
10	811919	2	9	85	1410	1921	0	5805927	5400000	5999999
11	242246	1	18	95	1531	0	0	6051504	6000000	6599999
12	597754	1	10	85	1225	0	0	6650789	6600000	7199999
13	809744	2	9	80	1773	1446	0	7461758	7200000	7799999
14	677252	2	16	80	1920	1842	0	8142229	7800000	8399999
15	496914	3	20	85	1832	1507	1245	8642905	8400000	8999999
16	824174	1	19	90	1784	0	0	9471663	9000000	9599999
17	427270	2	13	80	1413	1310	0	9900717	9600000	10199999
18	550672	2	18	85	1489	1571	0	10454112	10200000	10799999
19	694163	1	5	85	1889	0	0	11151335	10800000	11399999
20	660072	3	15	100	1746	1985	1700	11813296	11400000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 28 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	656769	2	19	55	1731	1394	0	656769	0	749999
2	486187	3	9	75	1597	1352	1647	1146081	750000	1499999
3	892535	1	6	80	1282	0	0	2043212	1500000	2249999
4	393888	3	19	60	1366	1838	1359	2438382	2250000	2999999
5	1103486	3	5	95	1415	1740	1989	3546431	3000000	3749999
6	438091	1	5	75	1181	0	0	3989666	3750000	4499999
7	913828	1	6	90	1899	0	0	4904675	4500000	5249999
8	349270	3	16	50	1714	1200	1228	5255844	5250000	5999999
9	1444670	2	14	65	1454	1125	0	6704656	6000000	6749999
10	459612	3	5	80	1766	1174	1642	7166847	6750000	7499999
11	1001998	1	19	65	1227	0	0	8173427	7500000	8249999
12	494763	2	12	100	1384	1917	0	8669417	8250000	8999999
13	1069020	3	20	55	1044	1697	1113	9741738	9000000	9749999
14	673555	2	5	90	1645	1193	0	10419147	9750000	10499999
15	275627	2	15	65	1780	1344	0	10697612	10500000	11249999
16	1098563	3	12	55	1521	1824	1180	11799299	11250000	11999999

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 29 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	682132	3	12	100	1992	1091	1691	682132	0	923076
2	540508	1	5	75	1318	0	0	1227414	923077	1846153
3	1529009	2	10	50	1622	1537	0	2757741	1846154	2769230
4	703982	2	14	50	1434	1518	0	3464882	2769231	3692307
5	905227	3	13	55	1429	1469	1660	4373061	3692308	4615384
6	382297	3	14	70	1565	1840	1999	4759916	4615385	5538461
7	1258054	2	9	50	1320	1876	0	6023374	5538462	6461538
8	728274	1	13	50	1815	0	0	6754844	6461539	7384615
9	1058088	2	14	70	1118	1657	0	7814747	7384616	8307692
10	1027828	1	11	80	1448	0	0	8845350	8307693	9230769
11	1010330	2	8	65	1718	1823	0	9857128	9230770	10153846
12	1114179	1	12	95	1218	0	0	10974848	10153847	11076923
13	768294	1	5	60	1898	0	0	11744360	11076924	12000000

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 5, Trial 30 of 30

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	281231	2	16	55	1741	1460	0	281231	0	631578
2	851439	1	18	85	1986	0	0	1135871	631579	1263157
3	450555	1	8	60	1206	0	0	1588412	1263158	1894736
4	892622	1	13	75	1393	0	0	2482240	1894737	2526315
5	226276	1	13	85	1499	0	0	2709909	2526316	3157894
6	837996	3	19	90	1142	1123	1215	3549404	3157895	3789473
7	484187	2	18	85	1871	1791	0	4037071	3789474	4421052
8	557649	1	12	90	1026	0	0	4598382	4421053	5052631
9	972734	1	13	95	1570	0	0	5572142	5052632	5684210
10	432202	2	14	80	1852	1689	0	6005914	5684211	6315789
11	770355	2	14	60	1213	1701	0	6779810	6315790	6947368
12	286760	2	13	85	1871	1590	0	7069484	6947369	7578947
13	729096	3	16	50	1050	1269	1876	7802041	7578948	8210526
14	706065	3	15	65	1323	1501	1339	8512301	8210527	8842105
15	763729	1	11	75	1846	0	0	9280193	8842106	9473684
16	809885	1	20	70	1297	0	0	10091924	9473685	10105263
17	107325	2	17	75	1479	1719	0	10200546	10105264	10736842
18	725877	3	5	65	1947	1979	1009	10929621	10736843	11368421
19	469506	1	18	80	1116	0	0	11404062	11368422	12000000

NORTHWEST EMC

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 6, Trial 1 of 3
All Frequencies in MHz

Trial #1	Trial #2	Trial #3	Trial #4	Trial #5	Trial #6	Trial #7	Trial #8	Trial #9	Trial #10	Trial #11	Trial #12	Trial #13
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5657	5632	5565	5539	5662	5586	5608	5654	5302	5272	5276	5307	5312
5298	5672	5709	5710	5657	5622	5642	5587	5264	5589	5280	5580	5534
5688	5313	5518	5553	5563	5305	5553	5583	5272	5591	5588	5572	5586
5605	5308	5325	5594	5527	5691	5306	5330	5558	5630	5600	5609	5701
5536	5612	5697	5323	5258	5600	5611	5592	5551	5284	5555	5621	5685
5531	5504	5701	5513	5677	5277	5545	5318	5584	5634	5574	5263	5546
5530	5255	5586	5586	5525	5258	5596	5269	5678	5579	5563	5664	5611
5533	5666	5668	5544	5585	5262	5695	5601	5549	5641	5330	5583	5536
5538	5311	5676	5662	5647	5640	5504	5556	5680	5286	5616	5619	5590
5691	5514	5581	5548	5260	5598	5698	5641	5512	5259	5270	5525	5642
5632	5307	5698	5499	5630	5595	5307	5548	5693	5496	5566	5494	5625
5330	5549	5628	5296	5540	5567	5528	5550	5605	5498	5682	5557	5683
5583	5577	5550	5646	5280	5571	5524	5281	5534	5559	5507	5522	5535
5608	5593	5567	5684	5653	5318	5592	5302	5660	5650	5532	5576	5645
5319	5598	5266	5269	5549	5564	5629	5528	5491	5323	5651	5682	5295
5502	5563	5618	5252	5631	5294	5541	5316	5290	5564	5549	5560	5575
5668	5303	5498	5692	5278	5625	5600	5562	5567	5530	5644	5668	5634
5645	5528	5710	5326	5600	5549	5267	5258	5285	5290	5657	5706	5662
5501	5622	5546	5507	5254	5329	5265	5616	5695	5651	5646	5317	5297
5520	5490	5577	5698	5284	5531	5259	5555	5541	5632	5494	5287	5674
5539	5634	5289	5675	5516	5629	5693	5251	5566	5276	5283	5673	5622
5259	5522	5535	5634	5581	5528	5329	5672	5255	5581	5686	5282	5610
5506	5637	5537	5567	5666	5618	5562	5603	5490	5567	5519	5275	5299
5667	5702	5643	5524	5555	5533	5330	5527	5706	5658	5501	5315	5268
5497	5586	5555	5697	5612	5589	5531	5324	5615	5547	5678	5622	5321
5651	5673	5327	5598	5592	5519	5298	5701	5668	5620	5635	5505	5700
5269	5267	5276	5609	5526	5530	5686	5568	5501	5546	5517	5598	5319
5601	5297	5267	5693	5565	5568	5262	5671	5672	5578	5639	5600	5255
5695	5502	5646	5577	5620	5661	5551	5497	5322	5707	5499	5558	5552
5634	5289	5257	5532	5627	5271	5252	5679	5707	5692	5559	5322	5577
5553	5284	5256	5670	5710	5491	5255	5298	5564	5318	5295	5491	5678
5580	5641	5591	5540	5629	5623	5636	5615	5607	5492	5562	5498	5532
5626	5584	5536	5301	5678	5264	5293	5591	5702	5672	5503	5703	5623
5510	5270	5571	5597	5501	5708	5536	5563	5609	5649	5573	5611	5281
5610	5623	5704	5628	5298	5672	5312	5270	5639	5512	5307	5704	5310
5655	5614	5700	5666	5664	5497	5518	5542	5618	5619	5319	5631	5706
5283	5691	5491	5588	5654	5288	5250	5321	5316	5545	5313	5259	5327
5491	5562	5649	5497	5251	5641	5546	5666	5308	5493	5522	5696	5510
5606	5260	5608	5298	5649	5251	5272	5549	5703	5508	5540	5649	5316
5537	5695	5526	5645	5568	5616	5555	5553	5574	5282	5301	5561	5516
5521	5592	5690	5583	5272	5492	5258	5325	5586	5505	5675	5658	5691
5260	5565	5694	5307	5684	5515	5311	5520	5330	5642	5546	5679	5617
5582	5630	5316	5304	5495	5647	5276	5707	5496	5669	5284	5578	5547
5654	5620	5527	5314	5273	5521	5542	5547	5495	5500	5293	5280	5650
5598	5619	5284	5651	5554	5490	5302	5510	5630	5533	5622	5666	5257
5706	5257	5569	5655	5274	5503	5544	5657	5328	5628	5617	5500	5576
5609	5280	5620	5579	5618	5688	5585	5699	5504	5590	5491	5526	5640
5697	5674	5562	5317	5623	5570	5687	5509	5565	5319	5636	5690	5500
5624	5627	5702	5686	5606	5602	5591	5501	5289	5594	5605	5670	5252
5279	5523	5570	5621	5268	5583	5630	5540	5610	5586	5681	5707	5672
5499	5707	5642	5687	5672	5649	5496	5539	5699	5676	5697	5596	5523
5682	5261	5588	5626	5704	5614	5633	5500	5681	5531	5552	5605	5304
5638	5316	5311	5582	5330	5502	5309	5260	5304	5566	5672	5531	5677
5702	5687	5273	5506	5518	5578	5514	5584	5617	5560	5289	5496	5322
5329	5591	5559	5525	5294	5291	5279	5649	5578	5565	5530	5504	5699
5578	5650	5684	5520	5638	5619	5628	5307	5532		5706	5618	5273
5669	5553	5592	5282	5531	5320	5703	5329	5594		5269	5285	5705
5264		5328	5559	5674	5653	5503	5695	5287		5597	5257	5251
5686		5647	5255		5547	5274	5677	5510		5548	5512	5308
5250		5602	5271		5542	5318	5651	5318		5598	5492	5637
5526		5623	5623		5546	5570	5697	5530		5698	5542	5653
5692		5517	5592		5579	5645	5604	5258		5539	5497	5665
5541		5640	5494		5493	5649	5619	5690		5621	5328	5329
5266		5680			5269	5643	5268	5579		5279	5701	5294
5599		5310			5656	5635	5661	5614		5298	5654	5314

Statistical Performance Check - Working Radio 48 kHz

FCC-Type 6, Trial 2 of 3
All Frequencies in MHz

Trial #14	Trial #15	Trial #16	Trial #17	Trial #18	Trial #19	Trial #20	Trial #21	Trial #22	Trial #23	Trial #24	Trial #25	Trial #26
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5663	5594	5621	5680	5317	5704	5288	5326	5662	5514	5330	5600	5318
5614	5666	5626	5299	5277	5570	5494	5611	5278	5529	5574	5501	5534
5612	5697	5313	5263	5508	5572	5270	5696	5505	5571	5254	5511	5654
5688	5514	5319	5303	5565	5597	5284	5577	5281	5680	5703	5595	5288
5268	5704	5274	5690	5703	5632	5312	5509	5523	5691	5310	5637	5630
5306	5286	5496	5634	5634	5692	5622	5594	5577	5320	5529	5694	5503
5330	5297	5297	5511	5300	5282	5299	5702	5493	5646	5682	5578	5532
5549	5507	5304	5603	5640	5280	5696	5560	5583	5630	5586	5545	5619
5280	5644	5684	5288	5700	5593	5253	5290	5327	5303	5510	5531	5568
5281	5330	5495	5605	5647	5585	5627	5641	5607	5282	5565	5669	5494
5563	5256	5668	5490	5511	5496	5323	5310	5669	5533	5604	5265	5328
5300	5625	5642	5697	5285	5678	5673	5691	5285	5682	5492	5611	5637
5669	5678	5687	5592	5272	5285	5579	5262	5551	5619	5289	5661	5613
5546	5563	5305	5515	5618	5278	5514	5301	5667	5614	5267	5617	5675
5624	5568	5658	5318	5705	5660	5523	5267	5658	5655	5266	5269	5526
5273	5677	5524	5300	5509	5529	5584	5307	5581	5530	5654	5638	5659
5316	5664	5285	5311	5306	5690	5537	5698	5554	5701	5520	5322	5657
5641	5590	5636	5561	5293	5490	5693	5595	5647	5301	5700	5619	5651
5279	5314	5513	5600	5632	5545	5591	5664	5268	5615	5694	5326	5692
5603	5701	5649	5655	5504	5648	5631	5565	5706	5710	5587	5707	5683
5503	5602	5315	5513	5622	5544	5512	5525	5645	5266	5642	5636	5520
5628	5630	5581	5542	5666	5677	5630	5700	5319	5555	5293	5551	5282
5314	5521	5583	5619	5312	5645	5527	5539	5709	5640	5617	5536	5655
5601	5528	5648	5649	5287	5705	5491	5597	5553	5292	5639	5702	5663
5658	5557	5689	5669	5613	5682	5665	5511	5604	5554	5702	5677	5522
5692	5271	5709	5685	5699	5681	5685	5279	5580	5261	5305	5507	5701
5491	5687	5584	5693	5573	5494	5558	5706	5681	5570	5286	5640	5602
5604	5584	5597	5279	5701	5654	5567	5555	5306	5509	5549	5310	5539
5675	5315	5254	5678	5534	5598	5311	5254	5260	5502	5329	5593	5533
5594	5529	5256	5684	5658	5604	5653	5261	5684	5269	5509	5297	5291
5533	5597	5708	5563	5689	5603	5583	5585	5660	5597	5635	5569	5583
5574	5708	5561	5520	5539	5662	5506	5628	5611	5688	5645	5644	5705
5651	5525	5612	5580	5583	5644	5290	5693	5585	5654	5264	5320	5561
5579	5543	5539	5550	5494	5263	5569	5629	5508	5675	5268	5587	5501
5565	5680	5554	5629	5294	5580	5625	5491	5494	5670	5659	5650	5628
5653	5497	5565	5639	5625	5268	5277	5566	5625	5302	5301	5316	5550
5324	5681	5698	5270	5687	5709	5578	5537	5524	5283	5545	5683	5669
5567	5660	5519	5275	5681	5596	5307	5582	5531	5679	5521	5329	5326
5497	5674	5262	5648	5685	5507	5504	5624	5283	5565	5572	5574	5609
5665	5532	5607	5620	5267	5536	5530	5674	5656	5625	5316	5293	5274
5299	5290	5657	5581	5645	5272	5549	5495	5575	5491	5531	5274	5610
5561	5604	5693	5546	5520	5293	5581	5615	5256	5567	5271	5282	5257
5609	5283	5555	5659	5252	5605	5603	5256	5622	5617	5270	5698	5513
5539	5272	5257	5281	5642	5294	5497	5708	5592	5253	5655	5307	5662
5605	5325	5609	5272	5254	5295	5541	5330	5274	5589	5661	5566	5510
5602	5631	5267	5528	5626	5493	5562	5619	5692	5288	5321	5570	5516
5623	5668	5616	5516	5690	5532	5704	5568	5650	5305	5620	5658	5566
5610	5276	5324	5523	5624	5661	5297	5303	5655	5293	5279	5558	5272
5541	5558	5490	5646	5257	5492	5493	5280	5530	5527	5664	5652	5691
5270	5685	5535	5710	5710	5531	5692	5292	5277	5312	5679	5575	5664
5673	5494	5269	5660	5670	5565	5600	5695	5254	5255	5630	5510	5620
5528	5605	5590	5538	5653	5538	5275	5703	5255	5560	5580	5680	5642
5277	5690	5278	5665	5286	5310	5702	5579	5666	5521	5690	5589	5307
5650	5689	5275	5661	5536	5626	5502	5616	5304	5603	5569	5607	5524
5704	5260	5591	5633	5309	5270	5686	5277	5612	5600	5309	5514	5308
5615	5282	5516	5320	5576	5567	5318	5272	5297	5572	5524	5498	5632
5659	5508	5634	5704	5686	5615	5655	5620	5613	5580	5684	5609	5694
5611	5574	5271	5595	5518	5261	5601	5264	5677	5264	5672	5583	5302
5543	5500	5666	5705	5303	5591	5699	5274	5265	5564	5592	5626	5696
5696	5615	5542	5651	5273	5297	5615	5309	5679	5650	5292	5571	5290
5317	5312	5309	5640	5318	5269	5680	5602	5552	5274	5500	5668	5324

NORTHWEST EMC

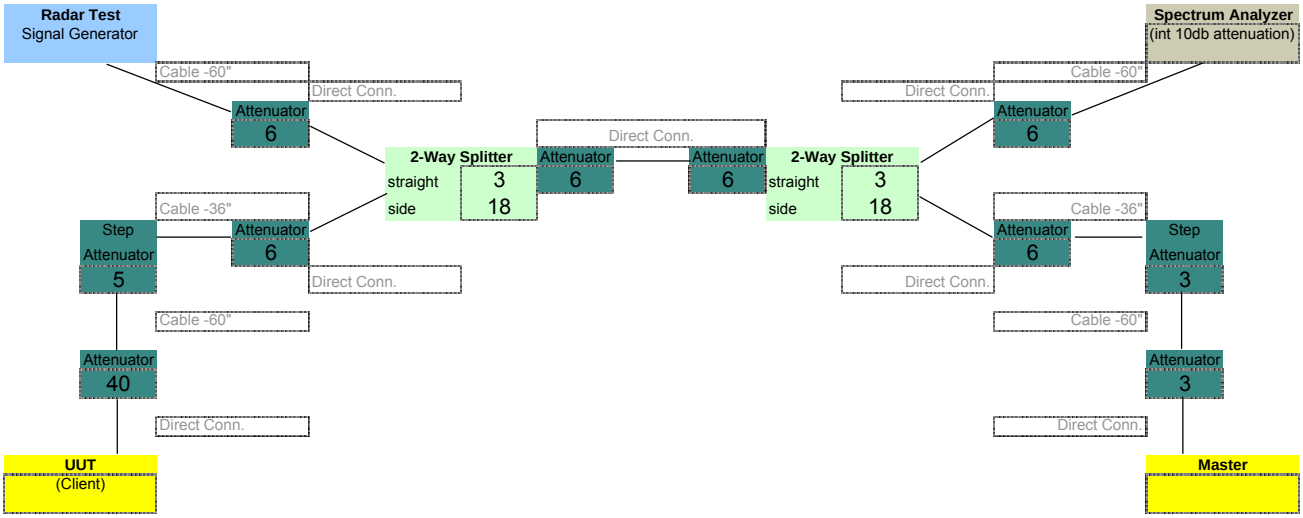
Statistical Performance Check - Working Radio 48 kHz

FCC-Type 6, Trial 3 of 3
All Frequencies in MHz

Trial #27	Trial #28	Trial #29	Trial #30
PASS	PASS	PASS	PASS
5593	5491	5598	5633
5307	5540	5526	5618
5646	5579	5668	5537
5558	5682	5555	5688
5512	5584	5330	5563
5538	5274	5592	5591
5682	5541	5644	5597
5554	5586	5560	5287
5694	5330	5615	5288
5635	5322	5623	5327
5506	5538	5593	5701
5678	5589	5634	5284
5701	5654	5657	5492
5600	5315	5680	5625
5291	5699	5322	5504
5622	5532	5647	5628
5267	5600	5524	5533
5294	5611	5507	5604
5561	5284	5326	5326
5328	5511	5256	5506
5266	5675	5699	5668
5640	5568	5500	5570
5654	5502	5490	5521
5677	5602	5678	5272
5570	5665	5514	5573
5565	5630	5520	5609
5652	5622	5273	5700
5261	5668	5295	5672
5584	5259	5672	5595
5553	5609	5691	5320
5284	5494	5574	5314
5528	5270	5656	5692
5566	5276	5509	5308
5667	5555	5629	5588
5551	5547	5306	5503
5304	5663	5278	5663
5685	5582	5528	5587
5521	5687	5607	5649
5497	5632	5533	5664
5603	5318	5283	5280
5671	5303	5618	5508
5598	5529	5277	5623
5567	5281	5580	5650
5524	5320	5645	5637
5564	5325	5257	5541
5582	5513	5690	5518
5607	5319	5329	5253
5276	5626	5675	5656
5587	5258	5281	5497
5303	5577	5512	5561
5504	5664	5558	5674
5686	5650	5294	5602
5268	5496	5544	5643
5511	5588	5293	5269
5314	5657	5695	5614
5286	5607	5272	5581
5257	5563		5564
5536	5523		5254
5277	5690		5516
5556	5709		5328
5699	5307		5677
5325	5569		5330
5295	5255		5509
5545	5689		5252
5502			5640
5596			5268
5495			5322
5305			
5661			

Statistical Performance Check - Working Radio 48 kHz

1/0/1900



Attenuation

Master Radar Sim	Master Spec. Anal.	Client Spec. Anal.	Client Radar Sim	Master Client	Radar Sim Spec. Anal.
3	3	40	40	3	6
3	3	5	5	3	3
6	6	6	6	6	6
3	18	3	18	3	6
6	6	6	6	6	3
6		6		6	6
3		3		3	
6		6		6	
				5	
				40	
========	========	========	========	========	========
36	36	75	75	81	30