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Report No.: 1807TW0112-U1 Report Version: V01 Issue Date: 10-14-2018

3261

Page Number: 1 of 114

# **DFS MEASUREMENT REPORT**

# FCC PART 15 Subpart E & IC RSS-247

500 ID	0.4.7.0.4.7.4.4.4								
FCC ID:	2AD8UFZCWO4A1								
IC:	109D-FZCWO4A1								
APPLICANT:	Nokia Solutions and Networks, OY								
Application Type:	Certification								
Product:	Wi-Fi AP 4x4 OD ext. antenna US								
	Wi-Fi AP 4x4 OD omni antenna US								
	Wi-Fi AP 4x4 OD direct antenna US								
	Wi-Fi AP 4x4 OD small omni antenna US								
Model No.:	WO4C-AC400								
Brand Name:	Nokia								
FCC Classification:	Unlicensed National Information Infrastructure (UNII)								
FCC Rule Part(s):	Part 15 Subpart E - 15.407 Section (h)(2)								
	KDB 905462 D02v02, KDB 905462 D04v01								
Type of Device:									
	☐ Client Device (No radar detection)								
	☐ Client Device with radar detection								
Test Date:	July 03 ~ 11, 2018								
Reviewed By:	Podda Chen mighty								
	(Paddy Chen)								
	(Paddy Chen)								
Approved By:	Carry Rev Testing Laboratory								

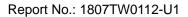
The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 905462 D02v02. Test results reported herein relate only to the item(s) tested.

(Chenz Ker)

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FCC ID: 2AD8UFZCWO4A1





# **Revision History**

Report No.	Version	Description	Issue Date	Note	
1807TW0112-U1	Rev. 01	Initial Report	10-14-2018	Valid	

This report is supplemented to MRT Original "1608TW0110-U15" Report adding "MESH mode" and related data

FCC ID: 2AD8UFZCWO4A1 Page Number: 2 of 114



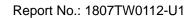
# **CONTENTS**

De	scriptio	n	Page
Rev	ision H	listory	2
§2.	1033 G	eneral Information	5
1.	INTR	ODUCTION	6
	1.1.	Scope	6
	1.2.	MRT Test Location	6
2.	PROD	DUCT INFORMATION	7
	2.1.	Equipment Description	7
	2.2.	Description of Available Antennas	
	2.3.	Description of Antenna RF Port	13
	2.4.	DFS Band Carrier Frequencies Operation	
	2.5.	Test Mode	14
	2.6.	Configuration of Mesh Mode	15
3.	DFS I	DETECTION THRESHOLDS AND RADAR TEST WAVEFORMS	16
	3.1.	Applicability	16
	3.2.	DFS Devices Requirements	17
	3.3.	DFS Detection Threshold Values	18
	3.4.	Parameters of DFS Test Signals	19
	3.5.	Radiated Test Setup	22
4.	TEST	EQUIPMENT CALIBRATION DATE	23
5.	TEST	RESULT	24
	5.1.	Summary	24
	5.2.	Radar Waveform Calibration	25
	5.2.1.	Calibration Setup	25
	5.2.2.	Calibration Procedure	25
	5.2.3.	Cablibration Result	26
	5.2.4.	Channel Loading Test Result	30
	5.3.	UNII Detection Bandwidth Measurement	31
	5.3.1.	Test Limit	31
	5.3.2.	Test Procedure	31
	5.3.3.	Test Result	32
	5.4.	Statistical Performance Check Measurement	35
	5.4.1.	Test Limit	35
	5.4.2.	Test Procedure	35



	5.4.3. Test Result	36
6.	CONCLUSION1	14

FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1





# §2.1033 General Information

Applicant:	Nokia Solutions and Networks, OY				
Applicant Address: 2000 W. Lucent Lane, Naperville, Illinois, United States, 605					
Manufacturer: Nokia Solutions and Networks, OY					
Manufacturer Address: 2000 W. Lucent Lane, Naperville, Illinois, United States, 60563					
Test Site:	MRT Technology (Taiwan) Co., Ltd				
Test Site Address:	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan				
	(R.O.C)				
MRT Registration No.:	153292				
MRT IC Registration No.:	21723-1				
Test Device Serial No.:	☐ Production ☐ Pre-Production ☐ Engineering				

#### **Test Facility / Accreditations**

Measurements were performed at MRT Laboratory located in Fuxing Rd., Taoyuan, Taiwan (R.O.C)

- •MRT facility is a FCC registered (Reg. No. 153292) test facility with the site description report on file and is designated by the FCC as an Accredited Test Film.
- MRT facility is an IC registered (MRT Reg. No. 21723-1) test laboratory with the site description on file at Industry Canada.
- MRT Lab is accredited to ISO 17025 by the American Association for Laboratory
   Accreditation (TAF) under the American Association for Laboratory Accreditation Program
   (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC, Industry
   Taiwan, EU and TELEC Rules.

FCC ID: 2AD8UFZCWO4A1 Page Number: 5 of 114





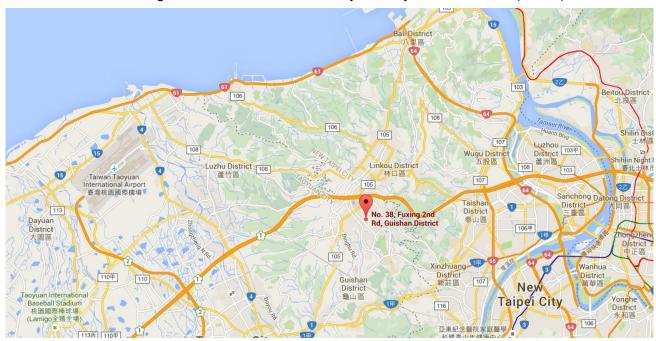
## 1. INTRODUCTION

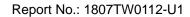
#### 1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

#### 1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).







# 2. PRODUCT INFORMATION

# 2.1. Equipment Description

Product Name	Wi-Fi AP 4X4 OD ext. antenna US;
	Wi-Fi AP 4x4 OD omni antenna US;
	Wi-Fi AP 4x4 OD direct. antenna US;
	Wi-Fi AP 4x4 OD small omni antenna US
Model No.	WO4C-AC400
Radio Type	Intentional Transceiver
Operation Mode	Master Device
Frequency Range	2.4GHz:
	For 802.11b/g/n-HT20: 2412 ~ 2462 MHz
	For 802.11n-HT40: 2422 ~ 2452 MHz
	5GHz:
	For 802.11a/n-HT20:
	5180~5320MHz, 5500~5700MHz, 5745~5825MHz
	For 802.11ac-VHT20:
	5180~5320MHz, 5500~5720MHz, 5745~5825MHz
	For 802.11n-HT40:
	5190~5310MHz, 5510~5670MHz, 5755~5795MHz
	For 802.11ac-VHT40:
	5190~5310MHz, 5510~5710MHz, 5755~5795MHz
	For 802.11ac-VHT80:
	5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz
	For 802.11ac-VHT80+80:
	5210 MHz + 5290 MHz, 5210 MHz + 5530 MHz, 5210 MHz + 5610 MHz,
	5210 MHz + 5690 MHz, 5210 MHz + 5775 MHz, 5290 MHz + 5530 MHz,
	5290 MHz + 5610 MHz, 5290 MHz + 5690 MHz, 5290 MHz + 5775 MHz,
	5530 MHz + 5610 MHz, 5530 MHz + 5690 MHz, 5530 MHz + 5775 MHz,
	5610 MHz + 5690 MHz, 5610 MHz + 5775 MHz, 5690 MHz + 5775 MHz
Type of Modulation	802.11a/n/ac: OFDM;
• •	l '

FCC ID: 2AD8UFZCWO4A1 Page Number: 7 of 114



Report No.: 1807TW0112-U1

Modulation Type	16QAM, 64QAM, QPSK, BPSK for OFDM
	802.11a/n/ac: OFDM
Power-on cycle	Requires 45.3 seconds to complete its power-on cycle
Uniform Spreading (For	For the 5250-5350MHz, 5470-5725 MHz bands, the Master device provides,
DFS Frequency Band)	on aggregate, uniform loading of the spectrum across all devices by
	selecting an operating channel among the available channels using a
	random algorithm.

Note 1: We select the POE adapter (M/N: PoE35-54A) to perform all RF testing.

Note 2: The product name difference as below:

- when the device has been connected the Galtronics Omni antenna, the product name is "Wi-Fi
  AP 4x4 OD omni antenna US";
- when the device has been connected the Galtronics Directional antenna, the product name is "Wi-Fi AP 4x4 OD direct. antenna US";
- when the device has been connected the PCTEL antenna & HUBER+SUHNER, the product name is "Wi-Fi AP 4X4 OD ext. antenna US";
- when the device has been connected the Galtronics Small Omni antenna, the product name is
   "Wi-Fi AP 4x4 OD small omni antenna US

Note 3: The device can't support the MESH Mode with 802.11ac-VHT80+80 technology.

FCC ID: 2AD8UFZCWO4A1 Page Number: 8 of 114



# 2.2. Description of Available Antennas

Antenna	Manufacturer	Frequency Band (GHz)	Product Number	Tx Paths
		2.4	EDMIO450 DD4DDOMA	4
	DOTEL Inc	5	FPMI2458-DP4RPSMA	4
	PCTEL, Inc.	2.4	FDMIQ450 DDQDDCMA	2
		5	FPMI2458-DP2RPSMA	2
		2.4	O-line in Oraci Antonia	2
		5	Galtronics Omni Antenna	2
	Galtronics	2.4	Galtronics Directional	2
		5	Antenna	2
		2.4	Galtronics Small Omni	2
		5	Antenna	2
	HUBER+	5	Sector-Antenna 1356.17.0011	1
T.	SUHNER	5	Directional Antenna 1356.17.0077	1

Note 1: This device make the transmission with two "FPMI2458-DP2RPSMA" directional antenna, there is not any superposition of transmit signal between two antennas.

Note 2: For "FPMI2458-DP2RPSMA" directional antenna, one antenna port be connected with device's Ant 0 & Ant 1, the other antenna port be connect with device's Ant 2 & Ant 3, and this installation has been showed in the professional installation manual.

Note 3: For HUBER+SUHNER antenna, this device make the transmission with four antenna, they



Report No.: 1807TW0112-U1



were installed by the four sides of the perpendicular. So the antenna was Independent of each other and had no MIMO, CDD or Beamforming mode.

Product Number	Frequency Band (MHz)	Tx Paths	Per C	hain Max A	ntenna Gair	n (dBi)	Beam Forming	CDD Directional Gain
			Ant 0	Ant 1	Ant 2	Ant 3	Directional Gain (dBi)	(dBi)
	2412 ~2462	4	6.70	6.40	6.80	6.80	12.70	12.70
	5150 ~ 5250	4	5.79	5.57	5.89	5.05	11.60	11.60
FPMI2458-	5150 ~ 5250 30°elevation angle	4	5.10	2.27	4.94	4.06	N/A	N/A
DP4RPSMA	5250 ~ 5350	4	5.68	5.53	5.65	4.91	11.47	11.47
	5470 ~ 5725	4	5.46	5.21	6.06	5.65	11.62	11.62
	5725 ~ 5850	4	5.24	5.09	6.73	5.62	11.71	11.71
	2412 ~2462	2	6.70	6.40			9.56	9.56
					6.70	6.40	9.56	9.56
	5150 ~ 5250	2	5.79	5.57			8.69	8.69
					5.79	5.57	8.69	8.69
	5150 ~ 5250	2	5.10	2.27			N/A	N/A
FPMI2458-	30°elevation angle	۷			5.10	2.27	N/A	N/A
DP2RPSMA	5250 ~ 5350		5.68	5.53			8.62	8.62
	5250 ~ 5550	2		-	5.68	5.53	8.62	8.62
	5470 ~ 5725	2	5.46	5.21			8.35	8.35
	547U ~ 5725				5.46	5.21	8.35	8.35
	5725 ~ 5850	2	5.24	5.09			8.18	8.18
	5725 ~ 5650	۷			5.24	5.09	8.18	8.18

FCC ID: 2AD8UFZCWO4A1 Page Number: 10 of 114



Report No.: 1807TW0112-U1

Product Number	Frequency Band (MHz)	Tx Paths	Per C	hain Max A	ntenna Gair	n (dBi)	Beam Forming	CDD Directional Gain
			Ant 0	Ant 1	Ant 2	Ant 3	Directional Gain (dBi)	(dBi)
	2412 ~2462	2	2.93	3.02	2.93	3.02	9.00	9.00
	5150 ~ 5250	2	6.68	6.53	6.68	6.53	12.63	12.63
Galtronics Omni	5150 ~ 5250 30°elevation angle	2	-1.32	-1.53	-1.32	-1.53	N/A	N/A
Antenna	5250 ~ 5350	2	6.68	6.53	6.68	6.53	12.63	12.63
	5470 ~ 5725	2	6.60	5.92	6.60	5.92	12.29	12.29
	5725 ~ 5850	2	6.78	6.55	6.78	6.55	12.69	12.69
	2412 ~2462	2	6.75	6.75	6.75	6.75	12.77	12.77
	5150 ~ 5250	2	8.39	8.16	8.39	8.16	14.30	14.30
Galtronics Directional	5150 ~ 5250 30°elevation angle	2	-1.54	-2.86	-1.54	-2.86	N/A	N/A
Antenna	5250 ~ 5350	2	8.39	8.16	8.39	8.16	14.30	14.30
	5470 ~ 5725	2	8.49	8.57	8.49	8.57	14.55	14.55
	5725 ~ 5850	2	8.92	8.82	8.92	8.82	14.89	14.89
	2412 ~2462	2	2.69	2.41	2.69	2.41	8.57	8.57
	5150 ~ 5250	2	3.27	3.85	3.27	3.85	9.59	9.59
Galtronics Small Omni	5150 ~ 5250 30°elevation angle	2	3.20	3.81	3.20	3.81	N/A	N/A
Antenna	5250 ~ 5350	2	2.77	3.30	2.77	3.30	9.06	9.06
	5470 ~ 5725	2	3.43	3.81	3.43	3.81	9.64	9.64
	5725 ~ 5850	2	4.35	4.30	4.35	4.30	10.35	10.35

FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1



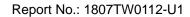


Product	Frequency Band	Tx	Per Ch	nain Max A	ntenna Gai	Beam	CDD	
Number	(MHz)	Paths					Forming	Directional Gain
			Ant 0	Ant 1	Ant 2	Ant 3	Directional	(dBi)
			Anto	Anti	Ant Z	Aireo	Gain (dBi)	
	5150 ~ 5250	1	16.00	16.00	16.00	16.00	N/A	N/A
Castan	5150 ~ 5250	1	-1.22	-1.22	-1.22	-1.22	N/A	N/A
Sector-	30°elevation angle	'	-1.22	-1.22	-1.22	-1.22	IN/A	IN/A
Antenna 1356.17.0011	5250 ~ 5350	1	16.00	16.00	16.00	16.00	N/A	N/A
1356.17.0011	5470 ~ 5725	1	16.50	16.50	16.50	16.50	N/A	N/A
	5725 ~ 5850	1	17.00	17.00	17.00	17.00	N/A	N/A
	5150 ~ 5250	1	14.00	14.00	14.00	14.00	N/A	N/A
Dinastianal	5150 ~ 5250	4	4.50	4.50	4.50	4.50	NI/A	NI/A
Directional Antenna 1356.17.0077	30°elevation angle	1	1.52	1.52	1.52	1.52	N/A	N/A
	5250 ~ 5350	1	14.00	14.00	14.00	14.00	N/A	N/A
	5470 ~ 5725	1	14.00	14.00	14.00	14.00	N/A	N/A
	5725 ~ 5850	1	14.00	14.00	14.00	14.00	N/A	N/A

#### Note

- The EUT supports Cyclic Delay Diversity (CDD) technology for 802.11a/b/g mode, and CDD signals are correlated.
- The EUT supports Beam Forming technology for 802.11n/ac mode, and exclude 802.11b/g mode.
   Correlated signals include, but are not limited to, signals transmitted in any of the following modes:
  - Any transmit Beam Forming mode, whether fixed or adaptive (e.g., phased array modes, closed loop MIMO modes, Transmitter Adaptive Antenna modes, Maximum Ratio Transmission (MRT) modes, and Statistical Eigen Beam Forming (EBF) modes).
  - CDD signals are correlated and create unintended array gain that varies with signal bandwidth, antenna geometry, and cyclic delay values. Consequently, depending on system parameters, it may be appropriate to use different values of array gain for compliance with power limits versus compliance with power spectral density limits.
- 3. Unequal Antenna gains, with equal transmit powers. For Antenna gains given by  $G_1$ ,  $G_2$ , ...,  $G_N$  dBi transmit signals are correlated, then
  - Directional gain = 10\*log[(10<sup>G1/20</sup> + 10<sup>G2/20</sup> + ... + 10<sup>GN/20</sup>)<sup>2</sup>/N<sub>ANT</sub>] dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]
  - For example (FPMI2458-DP4RPSMA Antenna):  $5150 \sim 5250$ MHz Directional Gain =  $10*log[(10^{5.79/20} + 10^{5.57/20} + 10^{5.89/20} + 10^{5.05/20})^2/4] = 11.60$  dBi

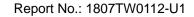
FCC ID: 2AD8UFZCWO4A1 Page Number: 12 of 114





# 2.3. Description of Antenna RF Port

Antenna RF Port								
		2.4GHz	RF Port		5GHz RF Port			
Software Control Po	rt Ant 0	Ant 1	Ant 2	Ant 3	Ant 0	Ant 1	Ant 2	Ant 3
В	ack View	2.4G An 5G Ant			2.4G A			
		LAN 1 POE			LAN2			
		IG Ant 1			2.4G A 5G An			





# 2.4. DFS Band Carrier Frequencies Operation

# 802.11 a/n-HT20/ac-VHT20 Center Working Frequency of Each Channel

Channel	Frequency	Channel	Frequency	Channel	Frequency
52	5260 MHz	56	5280 MHz	60	5300 MHz
64	5320 MHz	100	5500 MHz	104	5520 MHz
108	5540 MHz	112	5560 MHz	116	5580 MHz
120	5600 MHz	124	5620 MHz	128	5640 MH z
132	5660 MHz	136	5680 MHz	140	5700 MHz
144	5720 MHz		-		

# 802.11n-HT40/ ac-VHT40 Center Working Frequency of Each Channel

Channel	Frequency	Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz	102	5510 MHz
110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz		-	-	

# 802.11ac-VHT80 Center Working Frequency of Each Channel

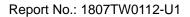
Channel	Frequency	Channel	Frequency	Channel	Frequency
58	5290 MHz	106	5530 MHz	122	5610 MHz
138	5690 MHz				

Note: The device can't operate in 5600~5650 MHz band in Canada (The frequency of blue font).

## 2.5. Test Mode

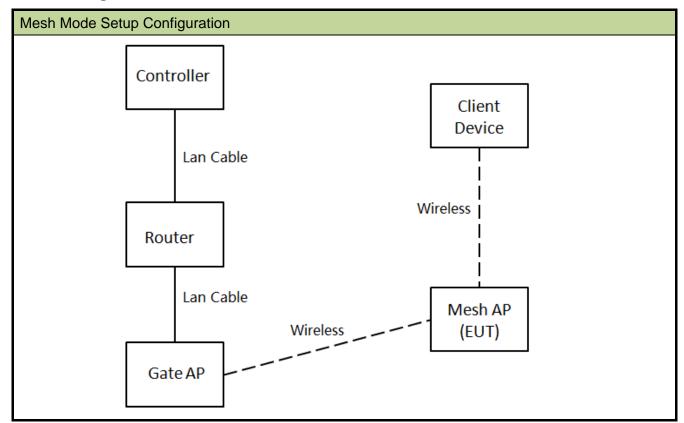
Test Mode	Mode 1: Communication with Notebook by MESH mode
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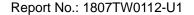
FCC ID: 2AD8UFZCWO4A1 Page Number: 14 of 114





# 2.6. Configuration of Mesh Mode







## 3. DFS DETECTION THRESHOLDS AND RADAR TEST WAVEFORMS

# 3.1. Applicability

The following table from FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 lists the applicable requirements for the DFS testing.

Requirement	Operational Mode			
	Master Client Without Client With I		Client With Radar	
		Radar Detection	Detection	
Non-Occupancy Period	Yes	Not required	Yes	
DFS Detection Threshold	Yes	Not required	Yes	
Channel Availability Check Time	Yes	Not required	Not required	
U-NII Detection Bandwidth	Yes	Not required	Yes	

Table 3-1: Applicability of DFS Requirements Prior to Use of a Channel

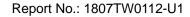
Requirement	Operational Mode			
	Master Device or Client With Radar Detection	Client Without Radar Detection		
DFS Detection Threshold	Yes	Not required		
Channel Closing Transmission Time	Yes	Yes		
Channel Move Time	Yes	Yes		
U-NII Detection Bandwidth	Yes	Not required		

Additional requirements for devices	Master Device or Client	Client Without Radar
with multiple bandwidth modes	with Radar Detection	Detection
U-NII Detection Bandwidth and	All BW modes must be	Not required
Statistical Performance Check	tested	
Channel Move Time and Channel	Test using widest BW	Test using the widest BW
Closing Transmission Time	mode available	mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

Table 3-2: Applicability of DFS Requirements during normal operation

FCC ID: 2AD8UFZCWO4A1 Page Number: 16 of 114





## 3.2. DFS Devices Requirements

# Per FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 the following are the requirements for Master Devices:

- (a) The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250 ~ 5350 MHz and 5470 ~ 5725 MHz bands. DFS is not required in the 5150 ~ 5250 MHz or 5725 ~ 5825 MHz bands.
- (b) Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for a specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.
- (c) The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.
- (d) During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).
- (e) If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.
- (f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period.
- (g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the combination will be tested to the requirements described under d) through f) above.

# Channel Move Time and Channel Closing Transmission Time requirements are listed in the following table.

The state of the s				
Parameter	Value			
Non-occupancy period	Minimum 30 minutes			
Channel Availability Check Time	60 seconds			
Channel Move Time	10 seconds			
Chamer wove time	See Note 1.			
	200 milliseconds + an aggregate of 60			
Channel Closing Transmission Time	milliseconds over remaining 10 second period.			
	See Notes 1 and 2.			
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission			
o im balaalan bahamatii	power bandwidth. See Note 3.			
Note 1: Channel Move Time and the Channel Cl	osing Transmission Time should be performed with			

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1





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 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

**Table 3-3: DFS Response Requirements** 

#### 3.3. DFS Detection Threshold Values

The DFS detection thresholds are defined for Master devices and Client Devices with In-service monitoring. These detection thresholds are listed in the following table.

Maximum Transmit Power	Value
	(See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and	-62 dBm
power spectral density < 10 dBm/MHz	
EIRP < 200 milliwatt that do not meet the power	-64 dBm
spectral density requirement	

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.

**Note3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 3-4: Detection Thresholds for Master Devices and Client Devices with Radar Detection

FCC ID: 2AD8UFZCWO4A1 Page Number: 18 of 114



# 3.4. Parameters of DFS Test Signals

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

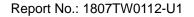
**Short Pulse Radar Test Waveforms** 

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 3-6  Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A	$   \text{Roundup} \left\{                                   $	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 Typ	pes 1-4)		80%	120

**Note 1:** Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

Table 3-5: Parameters for Short Pulse Radar Waveforms

FCC ID: 2AD8UFZCWO4A1 Page Number: 19 of 114



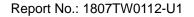


A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms.

Pulse Repetition Frequency	Pulse Repetition Frequency	Pulse Repetition Interval
Number	(Pulses Per Second)	(Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

Table 3-6: Pulse Repetition Intervals Values for Test A

FCC ID: 2AD8UFZCWO4A1 Page Number: 20 of 114 IC: 109D-FZCWO4A1





#### Long Pulse Radar Test Waveform

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

Table 3-7: Parameters for Long Pulse Radar Waveforms

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

#### 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

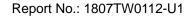
**Table 3-8: Parameters for Frequency Hopping Radar Waveforms** 

For the Frequency Hopping Radar Type, the same Burst parameters are used for each waveform.

The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

FCC ID: 2AD8UFZCWO4A1 Page Number: 21 of 114





# 3.5. Radiated Test Setup

The FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 describes a radiated test setup. The radiated test setup was used for this testing. Figure 3-1 shows the typical test setup.

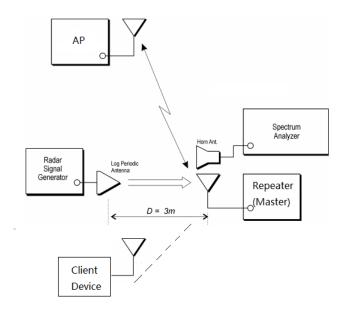
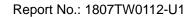


Figure 3-1: Radiated Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters





# 4. TEST EQUIPMENT CALIBRATION DATE

Dynamic Frequency Selection (DFS) – TR3

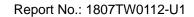
Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2019/07/10
MXG X-Series Microwave Analog Signal Generator	KEYSIGHT	N5183B	MRTTWA00013	1 year	2019/04/17
Temperature/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00033	1 year	2019/06/08
Combiner	WOKEN	0120N02208001D	MRTTWA00040	1 year	N/A
Broadband Hornantenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2019/04/05

## **Client Information**

Instrument	Manufacturer	Type No.		
Wireless Network Adapter	Intel	7260HMW		
Wi-Fi AP 4x4 OD ext. antenna US	Nokia	WO4A-AC400		

Software	ftware Version		Function		
Pulse Building	N/A	Agilent	Radar Signal Generation Software		
DFS Tool	V 6.9.2	Agilent	DFS Test Software		

FCC ID: 2AD8UFZCWO4A1 Page Number: 23 of 114





# 5. TEST RESULT

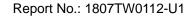
5.1. Summary

Company Name: Nokia Solutions and Networks

FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1

Parameter	Limit	Test Result	Reference		
UNII Detection  Bandwidth Measurement	Refer Table 3-3	Pass	Section 5.3		
Statistical Performance Check	Refer Table 3-3	Pass	Section 5.4		

FCC ID: 2AD8UFZCWO4A1 Page Number: 24 of 114





#### 5.2. Radar Waveform Calibration

#### 5.2.1. Calibration Setup

The conducted test setup was used for this calibration testing. Figure 3-2 shows the typical test setup.

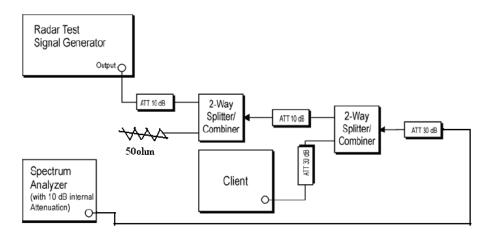
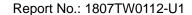


Figure 3-2: Conducted Test Setup

#### 5.2.2. Calibration Procedure

The Interference Radar Detection Threshold Level is (-64dBm) + (0) [dBi] + 1 dB= -63 dBm that had been taken into account the output power range and antenna gain. The above equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test signal level for each radar type. During this process there were replace 50ohm terminal form Master and Client device and no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to at least 3MHz. The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was (-64dBm) + (0) [dBi] + 1 dB= -63dBm. Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

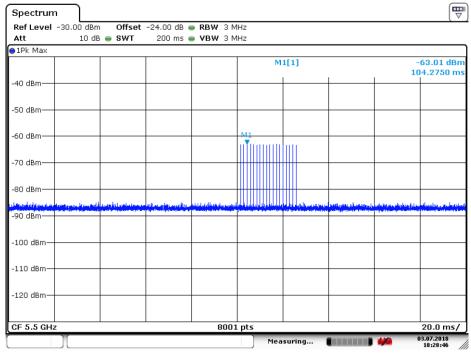
FCC ID: 2AD8UFZCWO4A1 Page Number: 25 of 114 IC: 109D-FZCWO4A1





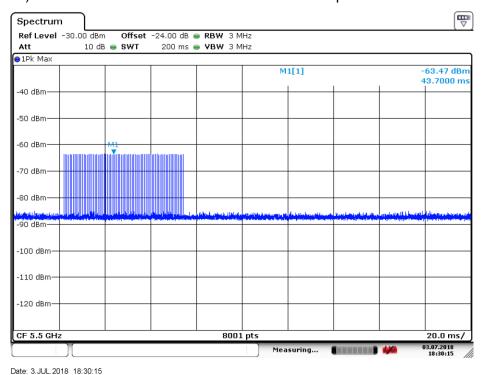
#### 5.2.3. Cablibration Result

Radar #0 DFS detection threshold level and the burst of pulses on the Channel frequency



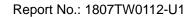
Date: 3.JUL.2018 18:28:47

Radar #1(Test A) DFS detection threshold level and the burst of pulses on the Channel frequency



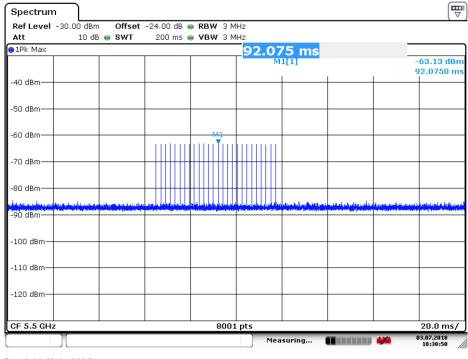
PRI = 678us and the number of pulses = 78

FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1





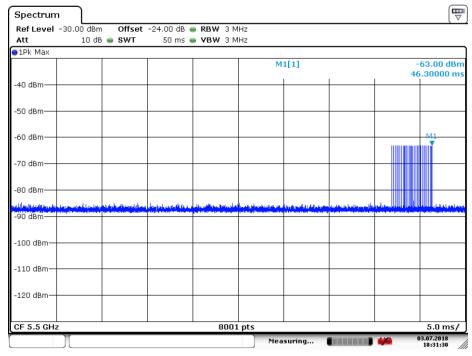
Radar #1(Test B) DFS detection threshold level and the burst of pulses on the Channel frequency



Date: 3.JUL.2018 18:30:51

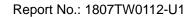
PRI = 2.091ms and the number of pulses = 26

Radar #2 DFS detection threshold level and the burst of pulses on the Channel frequency



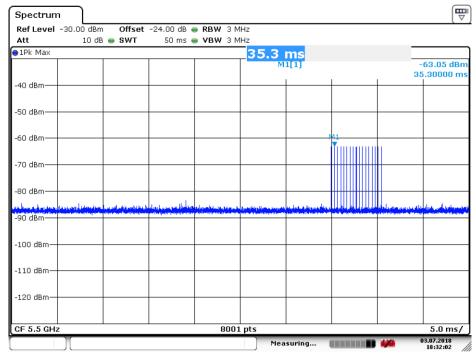
Date: 3.JUL.2018 18:31:30

FCC ID: 2AD8UFZCWO4A1 Page Number: 27 of 114 IC: 109D-FZCWO4A1



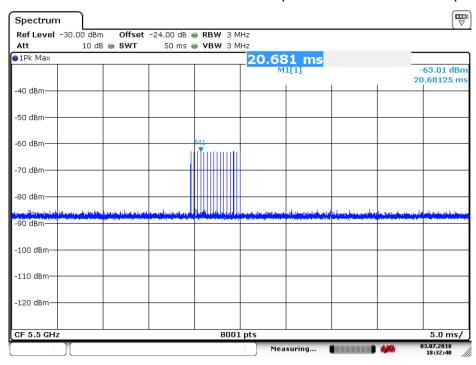


Radar #3 DFS detection threshold level and the burst of pulses on the Channel frequency



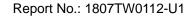
Date: 3.JUL.2018 18:32:03

Radar #4 DFS detection threshold level and the burst of pulses on the Channel frequency



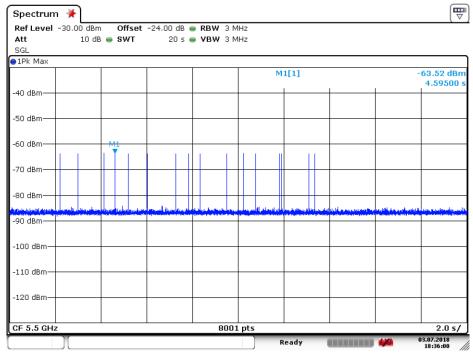
Date: 3.JUL.2018 18:32:40

FCC ID: 2AD8UFZCWO4A1 Page Number: 28 of 114 IC: 109D-FZCWO4A1



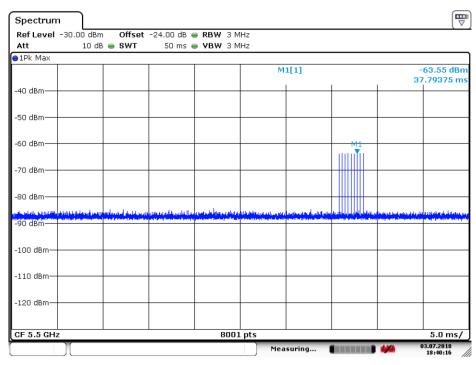


Radar #5 DFS detection threshold level and 12sec long burst on the Channel frequency



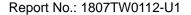
Date: 3.JUL.2018 18:36:01

Radar #6 DFS detection threshold level and a single hop (9 pulses) on the Channel frequency within UNII detection bandwidth



Date: 3.JUL.2018 18:40:16

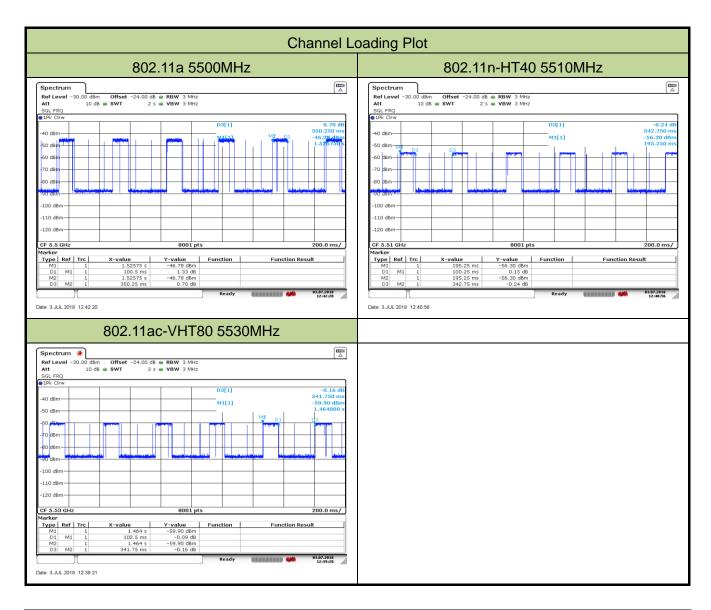
FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1





## 5.2.4. Channel Loading Test Result

System testing was performed with the designated MPEG test file that streams full motion video from the Wi-Fi AP 4X4 OD ext. antenna US; Wi-Fi AP 4x4 OD omni antenna US; Wi-Fi AP 4x4 OD direct. antenna US; Wi-Fi AP 4x4 OD small omni antenna US to the Client in full motion video mode using the media player with the V2.61 Codec package. This file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. Packet ratio = Time On / (Time On + Off Time).



Test Mode	Test Frequency	Packet ratio	Requirement ratio	Test Result
802.11a	5500 MHz	28.69%	≥ 17%	Pass
802.11n-HT40	5510 MHz	29.25%	≥ 17%	Pass
802.11ac-VHT80	5530 MHz	29.99%	≥ 17%	Pass

FCC ID: 2AD8UFZCWO4A1 Page Number: 30 of 114



#### 5.3. UNII Detection Bandwidth Measurement

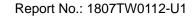
#### 5.3.1. Test Limit

Minimum 100% of the UNII 99% transmission power bandwidth. During the U-NII Detection Bandwidth detection test, each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

#### 5.3.2. Test Procedure

- 1. Adjust the equipment to produce a single Burst of any one of the Short Pulse Radar Types 0-4 in Table 3-5 at the center frequency of the EUT Operating Channel at the specified DFS Detection Threshold level.
- 2. The generating equipment is configured as shown in the Conducted Test Setup above section 3.5.
- 3. The EUT is set up as a stand-alone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.
- 4. Generate a single radar Burst, and note the response of the EUT. Repeat for a minimum of 10 trials. The EUT must detect the Radar Waveform using the specified U-NII Detection Bandwidth criterion shown in Table 3-5. In cases where the channel bandwidth may exceed past the DFS band edge on specific channels (i.e., 802.11ac or wideband frame based systems) select a channel that has the entire emission bandwidth within the DFS band. If this is not possible, test the detection BW to the DFS band edge.
- 5. Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 3-3. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance.
- 6. Starting at the center frequency of the EUT operating Channel, decrease the radar frequency in 1 MHz steps, repeating the above item 4 test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.
- 7. The U-NII Detection Bandwidth is calculated as follows: U-NII Detection Bandwidth = FH FL
- 8. The U-NII Detection Bandwidth must be at least 100% of the EUT transmitter 99% power, otherwise, the EUT does not comply with DFS requirements.

FCC ID: 2AD8UFZCWO4A1 Page Number: 31 of 114



Page Number: 32 of 114



## 5.3.3. Test Result

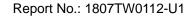
	EUT Frequency = 5500MHz for 802.11a										
Radar Frequency		DFS Detection Trials (1=Detection, 0= No Detection)									
(MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5490	0	0	0	0	0	0	0	0	0	0	0%
5491 FL	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509 FH	1	1	1	1	1	1	1	1	1	1	100%
5510	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth =	= FH - I	FL = 5!	509MH	lz - 54	91MHz	<u> </u>	ЛНz				
FUT 99% Bandwidth =	- 16 48	RMHz (	see no	nte)							

EUT 99% Bandwidth = 16.48MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 16.48MHz x 100% = 16.48MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5500MHz. The 99% channel bandwidth is 16.48MHz. (See the 99% BW section of the RF report for further measurement details).

FCC ID: 2AD8UFZCWO4A1





EUT Frequency = 5510MHz for 802.11n-HT40											
Radar Frequency			DF	S Det	ection	Trials	(1=D	etectic	n, 0=	No De	tection)
(MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5490	0	0	0	0	0	0	0	0	0	0	0%
5491	0	0	0	0	0	0	0	0	0	0	0%
5492 FL	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	1	1	1	1	1	1	1	1	1	1	100%
5529 FH	1	1	1	1	1	1	1	1	1	1	100%
5530	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth =	= FH - I	FL = 5	529MH	lz - 54	92MHz	z = 37N	ЛHz				
EUT 99% Bandwidth =	= 35 91	MHz (	see no	nte)					•		

EUT 99% Bandwidth = 35.91MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 35.91MHz x 100% = 35.91MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5510MHz. The 99% channel bandwidth is 35.91MHz. (See the 99% BW section of the RF report for further measurement details).

Page Number: 33 of 114 IC: 109D-FZCWO4A1



EUT Frequency = 5530MHz for 802.11ac-VHT80											
Radar Frequency			DF	S Det	ection	Trials	(1=D	etectio	on, 0=	No De	tection)
(MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5490	0	0	0	0	0	0	0	0	0	0	0%
5491 FL	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5530	1	1	1	1	1	1	1	1	1	1	100%
5535	1	1	1	1	1	1	1	1	1	1	100%
5540	1	1	1	1	1	1	1	1	1	1	100%
5545	1	1	1	1	1	1	1	1	1	1	100%
5550	1	1	1	1	1	1	1	1	1	1	100%
5555	1	1	1	1	1	1	1	1	1	1	100%
5560	1	1	1	1	1	1	1	1	1	1	100%
5565	1	1	1	1	1	1	1	1	1	1	100%
5566	1	1	1	1	1	1	1	1	1	1	100%
5567	1	1	1	1	1	1	1	1	1	1	100%
5568	1	1	1	1	1	1	1	1	1	1	100%
5569 FH	1	1	1	1	1	1	1	1	1	1	100%
5570	0	0	0	0	0	0	0	0	0	0	0%
Data-Car David 190											

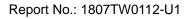
Detection Bandwidth = FH - FL = 5569MHz - 5491MHz = 78MHz

EUT 99% Bandwidth = 75.65MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 75.65MHz x 100% = 75.65MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5530MHz. The 99% channel bandwidth is 75.65MHz. (See the 99% BW section of the RF report for further measurement details).

FCC ID: 2AD8UFZCWO4A1 Page Number: 34 of 114





#### 5.4. Statistical Performance Check Measurement

#### 5.4.1. Test Limit

The minimum percentage of successful detection requirements found in below table when a radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

Radar Type	Minimum Number of Trails	Detection Probability		
0	30	Pd > 60%		
1	30(15 of test A and 15 of test B)	Pd > 60%		
2	30	Pd > 60%		
3	30	Pd > 60%		
4	30	Pd > 60%		
Aggregate (Radar Types 1-4)	120	Pd > 80%		
5	30	Pd > 80%		
6	30	Pd > 70%		

The percentage of successful detection is calculated by:

(Total Waveform Detections / Total Waveform Trails) \* 100 = Probability of Detection Radar Waveform In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows: (Pd1 + Pd2 + Pd3 + Pd4) / 4.

#### 5.4.2. Test Procedure

- 1. Stream the MPEG test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
- 2. At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1-6, at levels equal to the DFS Detection Threshold + 1dB, on the Operating Channel.
- 3. Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 0 to ensure detection occurs.
- 4. Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.
- 5. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.
- 6. The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in below table.

FCC ID: 2AD8UFZCWO4A1 Page Number: 35 of 114



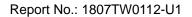
# 5.4.3. Test Result

Statistical Performance Check for 802.11a

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection			
	(MHz)	(us)			0=No Detection			
1	5491	1	758	70	1			
2	5491	1	598	89	1			
3	5491	1	858	62	1			
4	5491	1	578	92	1			
5	5491	1	918	58	1			
6	5491	1	878	61	1			
7	5491	1	718	74	1			
8	5491	1	938	57	1			
9	5491	1	538	99	1			
10	5491	1	618	86	1			
11	5500	1	898	59	1			
12	5500	1	798	67	1			
13	5500	1	738	72	1			
14	5500	1	3066	18	1			
15	5500	1	778	68	1			
16	5500	1	1446	37	1			
17	5500	1	2389	23	1			
18	5500	1	1333	40	1			
19	5500	1	2433	22	1			
20	5500	1	903	59	1			
21	5509	1	3032	18	1			
22	5509	1	1910	28	1			
23	5509	1	2263	24	1			
24	5509	1	1603	33	1			
25	5509	1	928	57	1			
26	5509	1	2356	23	1			
27	5509	1	1532	35	1			
28	5509	1	2897	19	1			
29	5509	1	1442	37	1			
30								
	Det	ection Percentage	(%)		100%			

FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1





Radar Type 2 - Radar Statistical Performance

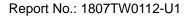
Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5491	1.7	180	26	1
2	5491	2.3	222	26	1
3	5491	4.5	222	24	1
4	5491	1.9	185	25	1
5	5491	3.7	226	26	1
6	5491	4.9	193	26	1
7	5491	1.0	200	25	1
8	5491	3.4	230	26	1
9	5491	3.7	210	26	1
10	5491	1.2	225	23	1
11	5500	1.0	215	29	1
12	5500	3.1	167	27	1
13	5500	3.8	169	29	1
14	5500	1.3	180	23	1
15	5500	1.3	199	23	1
16	5500	1.1	225	26	1
17	5500	3.4	208	27	1
18	5500	3.2	195	26	1
19	5500	2.9	154	28	1
20	5500	1.4	175	25	1
21	5509	4.9	163	27	1
22	5509	2.8	199	27	1
23	5509	1.6	161	28	1
24	5509	4.6	154	26	1
25	5509	1.8	192	23	1
26	5509	3.9	213	23	1
27	5509	1.7	169	27	1
28	5509	3.6	189	29	1
29	5509	1.9	150	26	1
30	5509	1.5	172	24	1
	Det	ection Percentage	(%)		100%





Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5491	9.3	485	17	1
2	5491	6.6	376	18	1
3	5491	9.7	290	16	1
4	5491	9.8	348	18	1
5	5491	6.4	400	17	1
6	5491	8.8	481	16	1
7	5491	8.4	465	18	1
8	5491	8.4	260	18	1
9	5491	7.0	331	18	1
10	5491	8.0	415	17	1
11	5500	6.9	368	18	1
12	5500	9.5	355	16	1
13	5500	7.7	375	18	1
14	5500	9.5	317	16	1
15	5500	7.8	489	18	1
16	5500	6.5	317	16	1
17	5500	8.0	461	18	1
18	5500	8.7	351	18	1
19	5500	9.3	387	18	1
20	5500	8.0	437	18	1
21	5509	7.1	404	16	1
22	5509	6.1	468	17	1
23	5509	9.0	314	18	1
24	5509	6.5	369	17	1
25	5509	7.7	334	16	1
26	5509	9.7	347	17	1
27	5509	7.9	297	17	1
28	5509	6.4	306	16	1
29	5509	9.7	255	17	1
30	5509	8.1	297	17	1
	Det	ection Percentage	(%)		100%



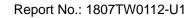


Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5491	12.6	418	12	1
2	5491	11.9	481	14	1
3	5491	12.3	348	16	1
4	5491	14.4	472	15	1
5	5491	11.2	326	13	1
6	5491	11.0	322	12	1
7	5491	15.8	459	14	1
8	5491	19.5	326	16	1
9	5491	12.2	295	16	1
10	5491	12.2	495	13	1
11	5500	17.1	390	15	1
12	5500	13.2	251	15	1
13	5500	14.2	403	12	1
14	5500	13.1	342	16	1
15	5500	17.2	301	13	1
16	5500	12.5	304	15	1
17	5500	14.6	276	14	1
18	5500	13.3	453	16	1
19	5500	17.9	387	14	1
20	5500	17.1	486	15	1
21	5509	13.4	416	12	1
22	5509	19.8	351	14	1
23	5509	18.2	294	16	1
24	5509	12.3	498	12	1
25	5509	17.1	489	13	1
26	5509	16.6	398	14	1
27	5509	18.0	439	14	1
28	5509	15.4	301	12	1
29	5509	15.9	280	13	1
30	5509	11.4	363	12	1
	Dete	ection Percentage	: (%)		100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test waveforms is as follows:  $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 100\% + 100\%)/4 = 100\% (>80\%)$ 

FCC ID: 2AD8UFZCWO4A1 Page Number: 39 of 114 IC: 109D-FZCWO4A1





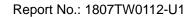
Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5496.0	1	16	5500.0	1
2	5494.0	1	17	5500.0	1
3	5499.2	1	18	5500.0	1
4	5495.6	1	19	5500.0	1
5	5499.6	1	20	5500.0	1
6	5498.8	1	21	5502.4	1
7	5494.4	1	22	5506.0	1
8	5496.8	1	23	5504.8	1
9	5497.6	1	24	5500.8	1
10	5495.2	1	25	5504.0	1
11	5500.0	1	26	5505.6	1
12	5500.0	1	27	5501.2	1
13	5500.0	1	28	5500.4	1
14	5500.0	1	29	5503.2	1
15	5500.0	1	30	5504.4	1
	Det	ection Percentage	(%)		100%

				Тур	oe 5 Rada	ar Wave	form_1			
um of Bur urst Inte	rsts = 15 erval (us)= 8000	100								
urst	Off Time (us) 644388	# 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		1	10	55	1918	0	0	644388	0	799999
2	284156	2	10	55	1017	1500	0	930462	800000	1599999
3	685972	2	10	75	1642	1732	0	1618951	1600000	2399999
4	1223038	2	10	75	1222	1752	0	2845363	2400000	3199999
5	470957	2	10	50	1433	1150	0	3319294	3200000	3999999
5	1191986	3	10	90	1232	1983	1837	4513863	4000000	4799999
,	634430	1	10	60	1232	0	0	5153345	4800000	5599999
3	488459	1	10	80	1656	0	0	5643036	5600000	6399999
1	1067574	2	10	95	1866	1888	0	6712266	6400000	7199999
.0	830653	1	10	60	1049	0	0	7546673	7200000	7999999
1	1051742	3	10	100	1303	1613	1164	8599464	8000000	8799999
.2	606265	1	10	70	1043	0	0	9209809	8800000	9599999
.3	702849	1	10	70	1742	0	0	9913701	9600000	10399999
	1192786	1					-			
4	583358	1	10	90	1392	0	0	11108229	10400000	11199999
.5 ital numb	er of pulses in	2 waveform = 2	10	55	1213	1150	0	11692979	11200000	11999999

FCC ID: 2AD8UFZCWO4A1 Page Number: 40 of 114

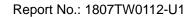
IC: 109D-FZCWO4A1





				Ty	pe 5 Rac	lar Wav	/eform_	_2			
of Burs	sts = 18 val (us)= 6666	67									
rst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Lo (us)	c Start Bu Interval	rst End Bu (us) Interv	st al (us)
	298355	1	5	65	1716	0	0	298355	0	666666	
	576250	3	5	50	1785	1547	1408	876321	666667	133333	33
3	940391 440000	1	5	70	1839	0	0	1821452	1333334	200000	00
	441398	2	5	95	1641	1557	0	2263291	2000001	266666	37
	857637	1	5	55	1224	0	0	2707887	2666668	333333	
	640151	2	5	85	1533	1904	0	3566748	3333335		
	554430	1	5	85	1571	0	0	4210336	4000002		
	1172724	2	5	70 85	1356 1652	1921	0	4766337 5942338	4666669 5333336		
.0	393097	1 3	5	95	1542	1676	1506	6337087	6000003	666666	
1	716442	2	5	50	1804	1030	0	7058253	6666670	73333	
2	637779	1	5	50	1355	0	0	7698866	7333337	800000	
3	480640	3	5	65	1942	1484	1687	8180861	8000004		
4	996994	3	5	60	1815	1221	1466	9182968	8666671		
5	519980	2	5	85	1873	1170	0	9707450	9333338	100000	
6	754366 430754	3	5	50	1025	1416	1593	1046485	9 1000000	5 106666	571
7	430754 715865	2	5	65	1218	1844	0	1089964	7 1066667	2 113333	338
B tal numbe	715865 or of pulses in	1 waveform = 3	4	75	1902	0	0	1161857	4 1133333	9 120000	005
		************				*					
				Ту	pe 5 Rac	lar Wav	/eform_	_3			
m of Burs	sts = 17 rval (us)= 70588	32									
ırst	Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Stagt Loc	Start Burs	t End Burst	
L	(us) 409865	Pulses		(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (u	s) Interval(	ıs)
	619397	3	18	65	1236	1896	1758	409865	0	705881	
	785541	1	18	80	1585	0	0	1034152	705882	1411763	
	655750	1	18	80	1958	0	0	1821278	1411764	2117645	
	356152	3	18	50	1119	1847	1040	2478986	2117646	2823527	
i I	1000526	2	18	100	1431	1643	0	2839144	2823528	3529409	
	1012736	3	18	55	1807	1744	1404	3842744	3529410	4235291	
	733343	3	18	80	1230	1870	1152	4860435	4235292	4941173	
	682003	2	18	90	1507	1085	0	5598030	4941174	5647055	
0	93634	2	18	80	1758	1943	0	6282625	5647056	6352937	
.0	741744	3	18 18	85 60	1054 1035	1517 0	1166 0	6379960 7125441	6352938 7058820	7058819 7764701	
.2	953042	3	18	60	1373	1699	1951	8079518	7058820	8470583	
13	432885	2	18	90	1152	1980	0	8517426	8470584	9176465	
	749492	3	18	70	1849	1980	1648	9270050	9176466	9882347	
.4 .5	1293507	1	18	70 75	1849 1566	0	1648	10568872	9176466	10588229	
	694096										
16	222061	3	18	60	1246	1118	1017	11264534 11489976	10588230	11294111	
.7  tal numbe   <del>                                   </del>	er of pulses in	z waveform = 38 <del>kolokolokolokolokol</del>	18 3 <del>(1000)</del>	90 <del>(10010101010101010</del>	1580	1168	0	11489976	11294112	11999993	
				Tv	pe 5 Rac	lar Way	/eform	4			
m of Bur	sts = 8			ıy	po o mac	ai TTU	. 5.01111	= 1			
rst Inte	rval (us)= 150										
ırst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	. Puls Pri(	∋2 Pul us) Pr∙	lse 3 S i(us) (i	tart Loc us)	Start Burst Interval(us)	End Burst Interval(us)
	55068					(					
		3	9	70	1925	191	L 19	598 !	55068	0	1499999
	2694618		^	mA.	1000	100	, .	410	7755100	1500000	9000000
	/E0E7E	3	9	70	1323	172	9 14	413 :	2755120	1500000	2999999
	458575	2	9	65	1199	121	9 0		3218160	3000000	4499999
	1345727	2	,	00	1133	141	. 0		2210100	~~~~~	1100000
	2320.21	2	9	85	1187	181	5 0		1566305	4500000	5999999
	1648226										
		2	9	95	1068	104	0	1	5217534	6000000	7499999
	2375572	2	^	OF.	1000	104		010	DEGEOT A	7500000	9000000
	777886	3	9	95	1232	124	) 18	812 :	3595214	7500000	8999999
	111000	3	9	65	1126	121	L 19	287	9377390	9000000	10499999
	1911189	-	-		1100						
		- 1	9	75	1407	0	0		11292203	10500000	11999999
١	er of pulses i	1		10	1401	~					11000000

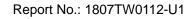
Page Number: 41 of 114 FCC ID: 2AD8UFZCWO4A1





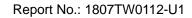
				Тур	e 5 Rada	r Wavet	form_5				
n of Burs	sts = 14 rval (us)= 8571	43									
rst med	Off Time	#	Chirp (MHz)	PW	Pulse 1	Pulse 2	Pulse	3 Start		tart Burst	End Burst
	(us) 377489	Pulses		(us)	Pri(us)	Pri(us)	Pri(us			nterval(us)	Interval (us)
	1269755	3	19	50	1341	1479	1375	37748		0	857142
2	744223	3	19	60	1720	1983	1006	1651		857143	1714285
	409944	3	19	70	1365	1941	1769	24003		1714286	2571428
1 -	796233	2	19	85	1883	1337	0	28153		2571429	3428571
5	1039302	2	19	100	1314	1597	0	36148		3428572	4285714
3	1207897	2	19	65	1523	1144	0	46570		4285715	5142857
7	860330	1	19	60	1893	0	0	58676		5142858	6000000
3	189506	1	19	65	1605	0	0	67298		6000001	6857143
	1365218	2	19	100	1901	1304	0	69209		6857144	7714286
.0	949094	3	19	70	1029	1724	1772	82893		7714287	8571429
11	631190	2	19	60	1864	1189	0	92429		8571430	9428572
.2	620811	2	19	100	1807	1630	0	98772		9428573	10285715
13	962369	2	19	65	1172	1606	0	10501		10285716	11142858
.4 otal numbe •*****	er of pulses in	2 n waveform = *********	19 30 *******	95 *****	1237 ******	1968 ⊷⊷∗	0	11466	5634	11142859	12000001
				Tyr	e 5 Rada	r Wayet	form 6				
um of Burs	ts = 18			136	oc o itada	ii viavoi	01111_0				
ırst Inter ırst	val (us)= 666661 Off Time	#	Chirp	PW	Pulse 1 P	ulse 2 F	ulse 3 S	tart Loc S	tart Burst	End Burst	
	(us) 399385	Pulses 3	Chirp (MHz)	(us)	Pri(us) P		ri(us) (	us) I	nterval (us)	Interval (u	ıs)
- :	545896	3	17 17	80 60					0 666667	666666 1333333	
)	699694	2	17	75					1333334	2000000	
Į.	820645 495767	2	17	70					2000001	2666667	
5	485920	3	17	50	1883	1248			2666668	3333334	
,	666429	1	17	100					3333335	4000001	
	1062726	3	17 17	50 85					4000002 4666669	4666668 5333335	
,	756480	3	17	95					5333336	6000002	
.0	389642 320675	1	17	90					6000003	6666669	
.1	320676 882131	1	17	95					6666670	7333336	
.2	897744	1	17	55					7333337	8000003	
.3	423201	1	17 17	95 85					8000004 8666671	8666670 9333337	
.5	872926	3	17	55					9333338	10000004	
.6	748482 632982	1	17	75	1065	0	0	10513261	10000005	10666671	
.7	632982 591166	3	17	50					10666672	11333338	
.8 stal numbe:	r of pulses in v	2 vaveform = 36	17	100		1301	0	11742225	11333339	12000005	
					e 5 Rada	r Wave	form 7				
m of Bur	sts = 9			יאָר	o rada	Have	VI III_I				
ırst Inte	rval (us)= 1333		<i>a</i> .	Den.	D : .	D 1 0	P.1 -	a	-		T 1 D .
ırst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)			art Burst terval(us)	End Burst Interval(us)
	1172132	2	6	80	1785	1698	0				
Į.	267129	۷					U	117213			1333332
2		3	6	55	1337	1387	1146	144274	14 1	333333	2666665
	1789261	3	6	90	1943	1980	1961	323587	75 2	666666	3999998
	1955575										
1	746150	3	6	75	1072	1572	1295	519733	34 3	999999	5333331
5		2	6	75	1687	1842	0	594742	23 5	333332	6666664
;	922624	2	6	70			0	607055			
5	1780484	2	O	70	1870	1430	U	687351	10 6	866665	7999997
		2	6	85	1646	1356	0	865736	50 7	999998	9333330
7	1460705			65	1500	1068	0	101210	ne7 o	333331	10666663
		2	6	65	1530				JOI 9.		
7 3 9	1456824	2 3	6	100	1590 1322	1706	1056	115809		0666664	11999996

Page Number: 42 of 114 FCC ID: 2AD8UFZCWO4A1





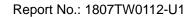
				Туре	5 Radar	Wavefo	rm_8			
of Bur	sts = 13	244								
st inter st	rval (us)= 9230 Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 618493	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval(us)	Interval (us)
	754616	2	12	50	1145	1338	0	618493	0	923076
	1222911	3	12	75	1259	1888	1723	1375592	923077	1846153
	755103	1	12	85	1151	0	0	2603373	1846154	2769230
	597885	2	12	55	1215	1258	0	3359627	2769231	3692307
	1141179	2	12	50	1273	1793	0	3959985	3692308	4615384
	655879	2	12	65	1554	1895	0	5104230	4615385	5538461
	1583440	1	12	90	1942	0	0	5763558	5538462	6461538
	411548	1	12	100	1389	0	0	7348940	6461539	7384615
		1	12	85	1634	0	0	7761877	7384616	8307692
	918751	3	12	85	1042	1603	1570	8682262	8307693	9230769
	1196775	2	12	55	1606	1911	0	9883252	9230770	10153846
	944834	2	12	55	1186	1266	0	10831603	10153847	11076923
	563629	1	12	55	1112	0	0	11397684	11076924	12000000
ıl numb *****	er of pulses in	n waveform = (	23 ************	************		**				
				Туре	e 5 Radar	Wavefo	rm_9			
	sts = 15 rval (us)= 8000	100								
:t	Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 203152	Pulses	(MHz)	(us)	Pri (us) 1824	Pri(us)	Pri(us)	(us)	Interval (us)	Interval(us)
	1204385	3	14 14	90 70	1824	1058	0 1640	203152 1409361	0 800000	799999 1599999
	956769	1	14	95	1717	0	0	2370823	1600000	2399999
	189946	1	14	95 55	1576	0	0	2562486	2400000	3199999
	1120959	1	14	100	1847	0	0	3685021	3200000	3999999
	964945	3	14	100	1156	1843	1349	4651813	4000000	4799999
	377616	2	14	90	1206	1288	0	5033777	4800000	5599999
	1057266	3	14	95	1961	1188	1479	6093537	5600000	6399999
	338038	2	14	70	1666	1338	0	6436203	6400000	7199999
	1021799	2	14	100	1585	1892	0	7461006	7200000	7999999
	1223330	1	14	70	1015	0	0	8687813	8000000	8799999
	713440	2	14	85	1421	1702	0	9402268	8800000	9599999
	718920	3	14	75	1749	1275	1739	10124311	9600000	10399999
	412788	2	14	65	1668	1876	0	10541862	10400000	11199999
l numbe	905118 er of pulses in	3 n waveform = 3	14 30 *******	65 *****	1462 ******	1603 ⊭*	1544	11450524	11200000	11999999
					5 Radar		m 10			
of Burn	sts = 13			туре	3 Kauai	vvaveioi	111_10			
st Inte	rval (us)= 923		Ch.i	DIII	D-1 1	D.1 2	D.1 2	Stort I	Ct Pt	F., J. D.,
st	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)
	191214	2	8	55	1865	1951	0	191214	0	923076
	1001555	1	8	70	1728	0	0	1196585	923077	1846153
	818368	1	8	55	1255	0	0	2016681	1846154	2769230
	1305106	1	8	85	1557	0	0	3323042	2769231	3692307
	1049538	1	8	75	1784	0	0	4374137	3692308	4615384
	351832	2	8				0	4727753	4615385	5538461
	1296259			100	1529	1489				
	1100001	2	8	85	1078	1075	0	6027030	5538462	6461538
	1122221	1	8	60	1765	0	0	7151404	6461539	7384615
			8	60	1744	0	0	7896576	7384616	8307692
	743407	1	8							
	743407 627007	1 2	8	90	1058	1488	0	8525327	8307693	9230769
	743407 627007 904980				1058 1275	1488 0	0	8525327 9432853	8307693 9230770	9230769 10153846
	743407 627007	2	8	90						





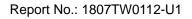
				Туре	5 Radar	Wavefor	m_11			
um of Bur	sts = 15 rval (us)= 8000	200								
Burst inte Burst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
ŧ	(us) 188376	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
1	1218637	3	9	70	1319	1439	1251	188376	0	799999
2	393728	1	9	65	1267	0	0	1411022	800000	1599999
3	694121	2	9	75	1017	1014	0	1806017	1600000	2399999
4		3	9	90	1563	1618	1104	2502169	2400000	3199999
5	1191880	1	9	70	1968	0	0	3698334	3200000	3999999
6	476630	3	9	60	1109	1446	1973	4176932	4000000	4799999
7	681547	3	9	90	1551	1772	1350	4863007	4800000	5599999
8	985024	3	9	65	1353	1846	1252	5852704	5600000	6399999
9	695040	2	9	85	1091	1217	0	6552195	6400000	7199999
10	865522	3	9	65	1748	1988	1535	7420025	7200000	7999999
11	1339539	2	9	75	1890	1464	0	8764835	8000000	8799999
	743162									
12	291848	3	9	60	1132	2000	1947	9511351	8800000	9599999
13	1214737	2	9	75	1552	1869	0	9808278	9600000	10399999
14	279618	1	9	55	1830	0	0	11026436	10400000	11199999
15 otal numb	er of pulses in	1 waveform = 3	9	100	1073	0	0	11307884	11200000	11999999
******	******			*********		okok:				
				Туре	5 Radar	Wavefor	m_12			
um of Bur urst Inte	sts = 13 rval (us)= 9230	077								
urst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us)	Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pri (us)	(us)	Interval (us)	Interval (us)
1	608466	3	18	95	1758	1708	1745	608466	0	923076
2	585693	3	18	85	1038	1675	1491	1199370	923077	1846153
	1105973									
3	1237247	3	18	90	1817	1154	1915	2309547	1846154	2769230
4	842613	2	18	85	1997	1156	0	3551680	2769231	3692307
5		1	18	90	1821	0	0	4397446	3692308	4615384
6	762591	1	18	70	1245	0	0	5161858	4615385	5538461
7	957821	1	18	95	1764	0	0	6120924	5538462	6461538
	894333						•			
8	417716	1	18	60	1501	0	0	7017021	6461539	7384615
9	1197935	3	18	65	1034	1284	1367	7436238	7384616	8307692
10		3	18	65	1199	1366	1704	8637858	8307693	9230769
11	1339099	3	18	85	1890	1226	1890	9981226	9230770	10153846
	384171									
12	1207646	2	18	75	1886	1978	0	10370403	10153847	11076923
	er of pulses in			60 ******	1477 *******	1350	0	11581913	11076924	12000000
				Туре	5 Radar	Wavefor	m_13			
um of Bur urst Inte	sts = 14 rval (us)= 8571	.43								
urst	Off Time (us)	# Pulses	Chirp (MHz)	PW	Pulse 1 Pri(us)	Pulse 2	Pulse 3	Start Loc		End Burst
4	394068	Pulses		(us)		Pri(us)	Pri(us)	(us)		Interval (us)
1	1246675	2	12	50	1198	1668	0	394068	0	857142
2	253581	2	12	85	1960	1846	0	1643609	857143	1714285
3	1202960	3	12	100	1059	1374	1226	1900996	1714286	2571428
4		3	12	85	1655	1099	1330	3107615	2571429	3428571
5	504777	3	12	60	1762	1372	1792	3616476	3428572	4285714
6	698626	2	12	65	1735	1590	0	4320028	4285715	5142857
7	1545321	3								6000000
	368807		12	65	1660	1106	1490	5868674	5142858	
8	1115578	1	12	80	1490	0	0	6241737	6000001	6857143
9	520347	1	12	95	1357	0	0	7358805	6857144	7714286
10		1	12	65	1173	0	0	7880509	7714287	8571429
11	1508670	1	12	50	1311	0	0	9390352	8571430	9428572
	251419	2	12	65	1476	1641	0	9643082	9428573	10285715
		-	14	V-0	7.410	7047	~	201002		
12	991353		1.0	7-	1.41 =	1025	0	10007550	10005714	11140000
12 13	991353 766086	2	12 12	75 60	1415 1132	1935 1459	0 1188	10637552 11406988	10285716 11142859	11142858 12000001

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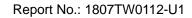


				Type	5 Radar	Wavefor	rm_14			
um of Bur	sts = 10 rval (us)= 1200	1000								
urst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Ştart Loc	Start Burst	End Burst
	(us) 288657	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval(us)	Interval (us)
1	1390648	3	6	100	1648	1210	1729	288657	0	1199999
2	1045367	2	6	55	1393	1990	0	1683892	1200000	2399999
3	1096641	3	6	70	1581	1120	1306	2732642	2400000	3599999
4		3	6	75	1229	1424	1458	3833290	3600000	4799999
5	1281283	2	6	70	1093	1671	0	5118684	4800000	5999999
6	2019556	3	6	65	1274	1249	1541	7141004	6000000	7199999
7	662719	1	6	90	1591	0	0	7807787	7200000	8399999
B	1573446	3	6	55	1163	1678	1711	9382824	8400000	9599999
-	349755									
9	1732060	1	6	65	1458	0	0	9737131	9600000	10799999
lo otal numb	er of pulses in	1 waveform = 2	6 2	60	1800	0	0	11470649	10800000	11999999
				kokokokokokokokokokokok	okokokokokokokokokokokokokokoko	kok				
				Туре	5 Radar	Wavefor	m_15			
um of Bur urst Inte	rsts = 15 erval (us)= 8000	000								
urst	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	300747	1	17	75	1432	0	0	300747	0	799999
2	970396 347146	2	17	80	1825	1551	0	1272575	800000	1599999
	1321154	2	17	90	1020	1163	0	1623097	1600000	2399999
	990320	3	17	50	1093	1048	1939	2946434	2400000	3199999
5	580491	1	17	75 60	1387	0	0	3940834	3200000 4000000	3999999
	1022726	3	17 17	85	1457 1681	1444	1959	4522712 5546895	4800000	4799999 5599999
3	597445	2	17	70	1884	1153	0	6149424	5600000	6399999
9	910152	3	17	65	1698	1339	1124	7062613	6400000	7199999
10	926425 383769	3	17	100	1582	1506	1731	7993199	7200000	7999999
11	1204647	2	17	100	1655	1908	0	8381787	8000000	8799999
12	125199	2	17	60	1351	1758	0	9589997	8800000	9599999
13 14	1357740	1 3	17 17	90 60	1991 1781	0 1937	0 1860	9718305 11078036	9600000 10400000	10399999 11199999
15	304304	3	17	60	1300	1738	1187	11387918	11200000	11999999
otal numb	er of pulses in	n waveform = (	32							
				Туре	5 Radar	Wavefor	rm_16			
um of Bur urst Inte	rsts = 12 rval (us)= 1000	1000								
urst	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	434384	1	8	70	1549	0	0	434384	0	999999
2	807372	1	8	65	1962	0	0	1243305	1000000	1999999
3	754889	1	8	65	1353	0	0	2000156	2000000	2999999
	1111836	2	8	85	1430	1128	0	3113345	3000000	3999999
	1294795	3	8	70	1399	1076	1077	4410698	4000000	4999999
;	911809	1	8	90	1343	0	0	5326059	5000000	5999999
	785701	2	8	90 75						
7	1364886				1816	1571	0	6113103	6000000	6999999
8	918320	2	8	75	1147	1074	0	7481376	7000000	7999999
9	1363907	2	8	75	1826	1633	0	8401917	8000000	8999999
10	769496	3	8	85	1134	1356	1660	9769283	9000000	9999999
11	1446662	2	8	75	1361	1336	0	10542929	10000000	10999999
12		1	8	50	1208	0	0	11992288	11000000	11999999



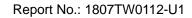


				Туре	5 Radar	Wavefor	m_17			
m of Bur	sts = 12 rval (us)= 100	2000								
ust inte rst	Off Time	#	Chirp	PW .	Pulse 1	Pulse 2	Pulse 3	Ştart Loc		
	(us) 772464	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (	us) Interval(us)
-	494073	2	19	90	1256	1071	0	772464	0	999999
2	1533448	1	19	65	1483	0	0	1268864	1000000	1999999
3	381727	3	19	65	1263	1508	1145	2803795	2000000	2999999
l	1457108	1	19	60	1134	0	0	3189438	3000000	3999999
5	431258	1	19	65	1103	0	0	4647680	4000000	4999999
6	1280808	2	19	70	1189	1912	0	5080041	5000000	5999999
7	995978	2	19	80	1372	1653	0	6363950	6000000	6999999
		1	19	95	1312	0	0	7362953	7000000	7999999
9	1006464	1	19	75	1442	0	0	8370729	8000000	8999999
0	1337840	3	19	55	1288	1142	1179	9710011	9000000	9999999
1	964905	3	19	85	1692	1773	1081	10678525	10000000	10999999
.2	820320	3	19	75	1335	1259	1935	11503391	11000000	11999999
	er of pulses in					***				
				Туре	5 Radar	Wavefor	m_18			
m of Bur	sts = 12 rval (us)= 1000	1000								
urst urst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 744410	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri (us)	(us)	Interval (us)	
l.	725499	2	10	95	1055	1064	0	744410	0	999999
2		1	10	95	1187	0	0	1472028	1000000	1999999
3	1512937	2	10	100	1538	1393	0	2986152	2000000	2999999
1	127742	3	10	70	1588	1520	1660	3116825	3000000	3999999
5	1331702	1	10	85	1292	0	0	4453295	4000000	4999999
3	1080345	3	10	60	1183	1149	1270	5534932	5000000	5999999
,	1433914	3	10	75	1007	1130	1028	6972448	6000000	6999999
3	276705	3	10	65	1503	1328	1696	7252318	7000000	7999999
9	1410923	1	10	50	1390	0	0	8667768	8000000	8999999
10	1292560	1	10	55	1930	0	0	9961718	9000000	9999999
	884048									
11	1015519	3	10	60	1405	1312	1860	10847696	10000000	10999999
l2 otal numb ******	er of pulses ir *******	2   waveform = 2  *******	10 5 ******	85 ******	1540 *****	1660 **	0	11867792	11000000	11999999
				Type	5 Radar	Wavefor	m_19			
urst Inte	rval (us)= 9230	77						_		
ırst Inte	rval (us)= 9230 Off Time (us)	77 # Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)		End Burst Interval(us)
urst Inte urst	rval (us)= 9230 Off Time (us) 389611	#	Chirp (MHz) 5		Pulse 1 Pri(us) 1493	Pulse 2 Pri(us)				
urst Inte urst 1	rval (us)= 9230 Off Time (us) 389611 1366053	# Pulses		(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
urst Inte urst	rval (us)= 9230 Off Time (us) 389611 1366053 151697	# Pulses 1	5	(us) 75	Pri (us) 1493	Pri(us) O	Pri(us) O	(us) 389611	Interval (us)	Interval (us) 923076
urst Inte urst 1 2	rval (us)= 9230  Off Time (us) 389611  1366053  151697  995171	# Pulses 1 2	5 5	(us) 75 75	Pri(us) 1493 1390	Pri (us) 0 1608	Pri (us) 0 0	(us) 389611 1757157	Interval (us) 0 923077	Interval (us) 923076 1846153
urst Inte urst	rval (us)= 9230  Off Time (us) 389611  1366053  151697  995171  1286995	# Pulses 1 2 3	5 5 5	(us) 75 75 70	Pri (us) 1493 1390 1389	Pri (us) 0 1608 1688	Pri (us) 0 0 1311	(us) 389611 1757157 1911852	Interval (us) 0 923077 1846154	Interval (us) 923076 1846153 2769230
urst Inte	rval (us)= 9230  Off Time (us) 389611  1366053  151697  995171  1286995  773217	# Pulses 1 2 3	5 5 5	(us) 75 75 70 80	Pri(us) 1493 1390 1389 1545	Pri(us) 0 1608 1688 1407	Pri(us) 0 0 1311 0	(us) 389611 1757157 1911852 2911411	Interval (us) 0 923077 1846154 2769231	Interval (us) 923076 1846153 2769230 3692307
urst Inte urst 2 3 4 5	rval (us)= 9230 Off Time (us) 389611 1366053 151697 995171 1286995 773217 1128813	#Pulses  1  2  3  2	5 5 5 5	(us) 75 75 70 80	Pri(us) 1493 1390 1389 1545 1898	Pri (us) 0 1608 1688 1407 1817	Pri(us) 0 0 1311 0 1902	(us) 389611 1757157 1911852 2911411 4201358	Interval (us) 0 923077 1846154 2769231 3692308	Interval (us) 923076 1846153 2769230 3692307 4615384
urst Inte urst 1 2 3 4 5 6	rval (us)= 9230 Off Time (us) 389611 1366053 151697 995171 1286995 773217 1128813 480667	#Pulses  1  2  3  2  3	5 5 5 5 5	(us) 75 75 70 80 80 75	Pri (us) 1493 1390 1389 1545 1898	Pri(us) 0 1608 1688 1407 1817	Pri(us) 0 0 1311 0 1902	(us) 389611 1757157 1911852 2911411 4201358 4980192	0 923077 1846154 2769231 3692308 4615385	Interval (us) 923076 1846153 2769230 3692307 4615384 5538461
urst Inte	rval (us)= 9230 Off Time (us) 389611 1366053 151697 995171 1286995 773217 1128813 480667 1521819	# Pulses 1 2 3 2 3 2 3 2 3	5 5 5 5 5 5	(us) 75 75 70 80 80 75	Pri (us) 1493 1390 1389 1545 1898 1975 1443	Pri(us) 0 1608 1688 1407 1817 1504 1075	Pri(us) 0 0 1311 0 1902 0	(us) 389611 1757157 1911852 2911411 4201358 4980192 6112484	1nterval (us) 0 923077 1846154 2769231 3692308 4615385 5538462	Interval (us) 923076 1846153 2769230 3692307 4615384 5538461 6461538
um of Bur urst Inte urst 1 2 3 4 5 6 6 7 8	rval (us)= 9230 Off Time (us) 389611 1366053 151697 995171 1286995 773217 1128813 480667 1521819 785514	# Pulses  1  2  3  2  3  2  2  2	5 5 5 5 5 5 5 5	(us) 75 75 70 80 80 75 70 70	Pri (us) 1493 1390 1389 1545 1898 1975 1443 1070	Pri(us) 0 1608 1688 1407 1817 1504 1075	Pri(us) 0 0 1311 0 1902 0 0	(us) 389611 1757157 1911852 2911411 4201358 4980192 6112484 6595669	Interval (us) 0 923077 1846154 2769231 3692308 4615385 5538462 6461539	Interval (us) 923076 1846153 2769230 3692307 4615384 5538461 6461538 7384615
urst Inte urst 1 2 3 4 5 6 6 7 8 9	rval (us)= 9230 Off Time (us) 389611 1366053 151697 995171 1286995 773217 1128813 480667 1521819 785514 1145979	# Pulses  1  2  3  2  3  2  2  1	5 5 5 5 5 5 5	(us) 75 75 70 80 80 75 70 70 100	Pri (us) 1493 1390 1389 1545 1898 1975 1443 1070 1685	Pri(us) 0 1608 1688 1407 1817 1504 1075 1694 0	Pri(us) 0 0 1311 0 1902 0 0 0	(us) 389611 1757157 1911852 2911411 4201358 4980192 6112484 6595669 8120252	Interval (us) 0 923077 1846154 2769231 3692308 4615385 5538462 6461539 7384616	Interval (us) 923076 1846153 2769230 3692307 4615384 5538461 6461538 7384615 8307692
urst Inte urst 1 2 3 4 5 6 6 7 7	rval (us)= 9230 Off Time (us) 389611 1366053 151697 995171 1286995 773217 1128813 480667 1521819 785514	# Pulses  1  2  3  2  3  2  2  1  3  3  2  3  3  3  4  5  6  7  8  8  8  8  8  8  8  8  8  8  8  8	5 5 5 5 5 5 5 5 5	(us) 75 75 70 80 80 75 70 100	Pri (us) 1493 1390 1389 1545 1898 1975 1443 1070 1685 1643	Pri(us) 0 1608 1688 1407 1817 1504 1075 1694 0 1326	Pri(us) 0 0 1311 0 1902 0 0 0 1017	(us) 389611 1757157 1911852 2911411 4201358 4980192 6112484 6595669 8120252 8907451	Interval (us) 0 923077 1846154 2769231 3692308 4615385 5538462 6461539 7384616 8307693	Interval (us) 923076 1846153 2769230 3692307 4615384 5538461 6461538 7384615 8307692 9230769



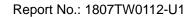


				Тур	oe 5 Rada	r Wave	form_20	)		
of Bur	sts = 11 rval (us)= 1090	1909								
st inte st	Off Time	#	Chirp	PW	Pulse 1	Pulse 2		3 Start Loc	Start Burst	End Burst
	(us) 995835	Pulses	(MHz)	(us)	Pri(us)	Pri(us)		s) (us)	Interval (us)	Interval (us)
	783880	1	14	85	1215	0	0	995835	0	1090908
	863584	1	14	60	1640	0	0	1780930	1090909	2181817
		3	14	85	1356	1131	1264	2646154	2181818	3272726
	1252667	2	14	80	1891	1745	0	3902572	3272727	4363635
	566070	2	14	75	1093	1166	0	4472278	4363636	5454544
	1072481	1	14	55	1197	0	0	5547018	5454545	6545453
	2067064	2	14	60	1893	1289	0	7615279	6545454	7636362
	201226	1	14	60	1400	0	0	7819687	7636363	8727271
	1605251									
	1057052	2	14	95	1388	1280	0	9426338	8727272	9818180
	1335775	1	14	55	1363	0	0	10486058		10909089
al numb	er of pulses in	3 n waveform =	14 19	60	1608	1378	1387	11823196	10909090	11999998
****	*******	eskeskeskeskeskeskeskeskeskeskesk	okonkonkonkonkonkonkonkonkonkonkonko	eskoskoskoskoskoskoskoskosk	*****	cokokokok				
				Тур	oe 5 Rada	r Wave	form_21	l		
of Burs	sts = 17 rval (us)= 70588	2								
st	Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc Star	t Burst End Burs	<b>5</b> .
	(us) 642365	Pulses 2	(MHz) 14	(us) 50	Pri(us) 1009	Pri(us) 1876	Pri(us)	(us) Inte 642365 0	erval (us) Interval 705881	(us)
	219638	3	14	65	1973	1535	1671		5882 1411763	
	767899 1019545	2	14	80	1189	1654	0	1637966 141	11764 2117645	
	188580	1	14	95	1344	0	0		17646 2823527	
	1184381	1	14	85	1598	0	0		23528 3529409	
	729207	1 3	14 14	95 55	1310 1719	0	0 1597		29410 4235291 35292 4941173	
	833303	2	14	85	1898	1112	0		11174 5647055	
	306693 834263	1	14	85	1823	0	0	5914149 564	17056 6352937	
	968875	3	14	100	1540	1630	1868	6750235 635	52938 7058819	
	355680	2	14	65	1655	1746	0		58820 7764701	
	555874	2	14 14	50 55	1384 1182	1547 1484	0 1526		34702 8470583 70584 9176465	
	876813	2	14	80	1032	1390	0		76466 9882347	
	734532 763416	1	14	100	1600	0	0	10259993 988	32348 1058822	9
	484490	3	14	95	1303	1390	1624		588230 1129411	
L numbe	er of pulses in	3 waveform = 35 <del> </del>	14 <del></del>	85 <del>1999999999</del>	1806	1784	1304	11513816 112	294112 1199999	3
				Tyr	oe 5 Rada	r Waye	form 2	)		
of Bur	sts = 15			ועי	oc o made	ii viave	101111 <u>_</u> 22			
t Inte	rval (us)= 8000 Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse		Start Burst	End Burst
	(us) 396496	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us		Interval (us)	Interval (us)
	462230	2	5 5	95 100	1866 1215	1620 1226	0	396496 862212	800000	799999 1599999
	1262819	1	5	100	1215	0	0	862212 2127472	1600000	2399999
	940576	1	5	50	1629	0	0	3069331	2400000	3199999
	245852	1	5	100	1088	0	0	3316812	3200000	3999999
	1201742	3	5	85	1154	1444	1017	4519642	4000000	4799999
	863618	2	5	100	1442	1403	0	5386875	4800000	5599999
	917086	2	5	75	1769	1450	0	6306806	5600000	6399999
	323747 1119544	1	5	50	1304	0	0	6633772	6400000	7199999
	1119544 690477	2	5	60	1047	1740	0	7754620	7200000	7999999
	614186	2	5	55	1271	1574	0	8447884	8000000	8799999
	590070	1	5	65	1951	0	0	9064915	8800000	9599999
	778599	3	5	85	1648	1720	1107	9656936	9600000	10399999
		3	5	50	1729	1754	1988	10440010	10400000	11199999
	986622	2	5	65	1336	1969	0	11432103	11200000	11999999



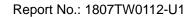


				Туре	5 Radar	Wavefo	rm_23			
	rsts = 14 erval (us)= 8571	43								
urst urst	Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 630069	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)		Interval (us)
1	859507	3	8	50	1313	1652	1462	630069	0	857142
2	401993	1	8	65	1100	0	0	1494003	857143	1714285
3	1460126	2	8	65	1103	1132	0	1897096	1714286	2571428
4	539565	2	8	55	1232	1134	0	3359457	2571429	3428571
5	512316	3	8	65	1063	1718	1811	3901388	3428572	4285714
6	881641	3	8	80	1083	1110	1841	4418296	4285715	5142857
7	1501708	3	8	90	1594	1102	1107	5303971	5142858	6000000
8	418397	2	8	55	1234	1013	0	6809482	6000001	6857143
9	1236335	3	8	75	1121	1424	1864	7230126	6857144	7714286
10	828689	1	8	55	1921	0	0	8470870	7714287	8571429
11	665503	3	8	65	1077	1186	1444	9301480	8571430	9428572
12	1003797	1	8	80	1459	0	0	9970690	9428573	10285715
13	945309	1	8	100	1811	0	0	10975946	10285716	11142858
14 otal numl	per of pulses in	3 waveform = 3	8	80	1119	1528	1953	11923066	11142859	12000001
kokokokokokoko	*******		okokokokokokokokokokokoko		********************	*				
				Туре	5 Radar	Wavefo	rm_24			
	rsts = 13 erval (us)= 9230	077								
urst	Off Time	# .	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Ştart Loc	Start Burst	End Burst
	(us) 543039	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
1	1213786	3	18	60	1027	1301	1388	543039	0	923076
2	622238	1	18	90	1755	0	0	1760541	923077	1846153
3	572840	3	18	100	1816	1864	1670	2384534	1846154	2769230
4	930550	1	18	70	1643	0	0	2962724	2769231	3692307
5		3	18	60	1227	1980	1015	3894917	3692308	4615384
6	1257648	1	18	75	1778	0	0	5156787	4615385	5538461
7	1170535	3	18	60	1364	1537	1198	6329100	5538462	6461538
8	173508	2	18	65	1725	1280	0	6506707	6461539	7384615
9	1608155	2	18	65	1525	1686	0	8117867	7384616	8307692
10	438900	1	18	65	1803	0	0	8559978	8307693	9230769
11	1034439	1	18	50	1584	0	0	9596220	9230770	10153846
	613995						-			
12	1484620	2	18	100	1519	1816	0	10211799	10153847	11076923
13 otal numi ******	ber of pulses in	2 n waveform = 2 **********	18 25 *******	100 *****	1280 *******	1134 **	0	11699754	11076924	12000000
				Type	F Dodor	Movefe	rm 2E			
				туре	5 Radar	wavelo	m_25			
	rsts = 12 erval (us)= 1000	1000								
urst	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	845418	3	10	55	1449	1301	1095	845418	0	999999
2	423849	2	10	60	1946	1121	0	1273112	1000000	1999999
3	1381041									
3	1010659	3	10	60	1051	1994	1452	2657220	2000000	2999999
	374378	3	10	70	1722	1351	1591	3672376	3000000	3999999
1	1123358	2	10	95	1698	1404	0	4051418	4000000	4999999
1		3	10	50	1435	1923	1681	5177878	5000000	5999999
<b>1</b> 5			10	60	1752	0	0	6615655	6000000	6999999
4 5 8	1432738	1				1559	1040	7046372	7000000	7999999
1 5 7				95	1327		1010	.040012	. 550000	
4 5 6 7	1432738	3	10	95	1387		0	0000004	9000000	9000000
4 5 6 7 8 9	1432738 428965	3 2	10 10	90	1745	1738	0	8063234	8000000	8999999
4 5 6 7 8 9	1432738 428965 1012876 969127	3 2 2	10				0	8063234 9035844	9000000	9999999
4 5 6 7 8 9	1432738 428965 1012876	3 2	10 10	90	1745	1738				





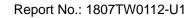
				Тур	e 5 Radar	Wavefo	rm_26			
	rsts = 10 erval (us)= 1200	1000								
urst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse ( Pri(us)		Loc Start Burs Interval(u	
1	1006667	2	6	100	1804	1228	0	100666	57 0	1199999
2	371047	2	6	50	1664	1865	0	138074	46 1200000	2399999
3	2119616	1	6	55	1522	0	0	350389	91 2400000	3599999
4	710466	3	6	70	1480	1827	1351	421587		4799999
5	891631	2	6	50	1487		0	511216		
6	2034965					1549				5999999
-	792522	2	6	85	1540	1833	0	715016		7199999
7	1234027	1	6	70	1592	0	0	794606	7200000	8399999
8	1391064	2	6	80	1664	1250	0	918168	8400000	9599999
9	782687	2	6	80	1739	1007	0	105756	661 9600000	10799999
10		2	6	70	1733	1302	0	113610	10800000	11999999
	per of pulses ir			*****		****				
				Type	e 5 Radar	Wavefo	rm 27			
Jum of Bur	rsts = 15			.,,,,,	o maaa.	TTUTOTO	····· <u>-</u> -·			
Burst Inte	erval (us)= 8000	100	(C)- i	PW	D-1 1	D1 0	D. 1 2	C++ I -	Charle Barret	Prod Brosse
Burst ‡	Off Time (us) 173214	Pulses	Chirp (MHz)	(us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Lo (us)	oc Start Burst Interval(us)	End Burst Interval(us)
1	1335384	2	17	95	1348	1066	0	173214	0	799999
2 3	354374	3	17 17	50 60	1841 1740	1212 0	1294 0	1511012 1869733		1599999 2399999
4	1179181	3	17	95	1920	1376	1353	3050654		3199999
5	314909	3	17	75	1948	1845	1594	3370212		399999
6	665255	1	17	100	1519	0	0	4040854	4000000	4799999
7	1099036 752340	3	17	80	1922	1230	1272	5141409	4800000	5599999
8	1157444	2	17	75	1032	1807	0	5898173	5600000	6399999
9	350285	3	17	90	1417	1455	1400	7058456		7199999
10	1119779	2	17	50	1437	1832	0	7413013		7999999
11 12	647778	1 2	17 17	95 75	1189 1573	0 1228	0	8536061 9185028		8799999 9599999
13	486562	3	17	80	1950	1826	1883	9674391		10399999
14	1288465	1	17	50	1448	0	0	1096851		11199999
15 Total numb	431648 per of pulses in	2 waveform =	17 32	50	1529	1186	0	1140161	1 11200000	11999999
****	*********	*******	******	*********	*********	:*:*:*				
				Тур	e 5 Radar	Wavefo	rm_28			
Num of Bur Burst Inte Burst	sts = 19 rval (us)= 63157 Off Time	9	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc :	Start Burst End E	hiret
1	(us) 544354	Pulses	(MHz)	(us) 50	Pri(us)	Pri(us)	Pri(us)	(us) 544354	Interval(us) Inter	val(us)
2	500074	2	19	55	1289	1915	0	1046329	631579 1263	
3	598126 520167	2	19	55	1599	1021	0	1647659	1263158 1894	
4 5	436296	3	19 19	90 85	1325 1895	1277 1619	1919 1550	2170446 2611263	1894737 2526 2526316 3157	
6	767144	1	19	50	1780	0	0	3383471	3157895 3789	
7	467517 894516	1	19	85	1346	0	0	3852768	3789474 4421	
8 9	419247	2 3	19 19	50 55	1761 1035	1106 1064	0 1676	4748630 5170744	4421053 5052 5052632 5684	
10	691519	1	19	55	1558	0	0	5866038	5684211 6315	
11	738139 809153	3	19	50	1181	1774	1857	6605735	6315790 6947	
12 13	651545	3	19 19	55 85	1727 1780	1206 1700	1671 0	7419700 8075849	6947369 7578 7578948 8210	
14	753342	3	19	95	1733	1106	1145	8832671	8210527 8842	
15	291497 880033	1	19	60	1592	0	0	9128152	8842106 9473	
16	281467	2	19 19	95 60	1277 1693	1464 0	0	10009777 10293985		5263 6842
17	ECC 4CE	-								
17	783467 410671	2	19	95	1427	1050	0	11079145	10736843 1136	8421





				Туре	5 Radar	Wavefo	rm_29			
	rsts = 11 erval (us)= 1090	909								
Burst #	Off Time (us) 979640	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)		End Burst Interval(us)
1		3	12	95	1253	1412	1566	979640	0	1090908
2	879589	2	12	70	1385	1868	0	1863460	1090909	2181817
3	1129360	3	12	100	1217	1069	1386	2996073	2181818	3272726
4	717409	3	12	55	1182	1953	1212	3717154	3272727	4363635
5	1531753	3	12	50	1671	1752	1080	5253254	4363636	5454544
6	1227625	1	12	50	1233	0	0	6485382	5454545	6545453
7	850435	1	12	65	1810	0	0	7337050	6545454	7636362
8	1313459	3	12	75	1235	1663	1976	8652319	7636363	8727271
9	735554	1	12	80	1304	0	0	9392747	8727272	9818180
10	620269	3	12	80	1589	1659	1566	10014320	9818181	10909089
	1350145	1	12	55	1959	0	0	11369279	10909090	11999998
otal num	ber of pulses in	waveform = 2	4	**********						
otal num		waveform = 2	4	**********	5 Radar		rm_30			
otal num		1 waveform = 2	4	**********			rm_30			
otal num	rsts = 12 erval (us)= 1000 Off Time (us)	1 waveform = 2	4	**********			Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us	End Burst ) Interval(us)
otal num ******** um of Bur urst Into	rsts = 12 erval (us)= 1000 Off Time (us) 635187	n waveform = 2 ***********************************	'4 ***************  Chirp	<b>Туре</b>	e 5 Radar	Wavefo	Pulse 3			
otal num ********  um of Bui urst Into	rsts = 12 erval (us)= 1000 Off Time (us) 635187 1267886	n waveform = 2 ***********************************	4 ************************************	<b>Type</b> PW (us)	Pulse 1 Pri(us)	Wavefor	Pulse 3 Pri(us)	(us)	Interval (us	) Interval(us)
um of Bur urst Into	rsts = 12 erval (us)= 1000 Off Time (us) 635187 1267886 333860	a waveform = 2  **********************************	4 ************************************	<b>Type</b> Pw (us) 50	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us) 0	(us) 635187	Interval (us	) Interval(us) 999999
otal num *********  um of Bucurst Into	rsts = 12 erval (us)= 1000 Off Time (us) 635187 1267886 333860 1694864	1 waveform = 2 ***********************************	4*************************************	Type  PW (us) 50 50	Pulse 1 Pri(us) 1172 1416	Pulse 2 Pri(us) 1584 1020	Pulse 3 Pri(us) 0 1693	(us) 635187 1905829	Interval (us 0 1000000	) Interval (us) 999999 1999999
otal num  *********  uum of Buu  uurst Into  urst  1  2  3  4	rsts = 12 erval (us)= 1000 Off Time (us) 635187 1267886 333860 1694864 528362	1 waveform = 2 ***********************************	4*************************************	Type  PW (us) 50 50 55	Pulse 1 Pri (us) 1172 1416 1865	Pulse 2 Pri (us) 1584 1020 1934	Pulse 3 Pri(us) 0 1693	(us) 635187 1905829 2243818	Interval (us 0 1000000 2000000	) Interval(us) 999999 1999999 2999999
um of Bururst Into	rsts = 12 erval (us) = 1000 Off Time (us) 635187 1267886 333860 1694864 528362 1229454	1 waveform = 2 ***********************************	4*************************************	PW (us) 50 50 55 90	Pulse 1 Pri(us) 1172 1416 1865 1075	Pulse 2 Pri(us) 1584 1020 1934	Pulse 3 Pri(us) 0 1693 0	(us) 635187 1905829 2243818 3942481	Interval (us 0 1000000 2000000 3000000	) Interval(us) 999999 1999999 2999999 3999999
um of Bururst Into	rsts = 12 erval (us)= 1000 Off Time (us) 635187 1267886 333860 1694864 528362 1229454 648292	1 waveform = 2 ***********************************	4*************************************	PW (us) 50 50 55 90 70	Pulse 1 Pri(us) 1172 1416 1865 1075 1029	Pulse 2 Pri(us) 1584 1020 1934 0	Pulse 3 Pri(us) 0 1693 0	(us) 635187 1905829 2243818 3942481 4471918	Interval (us 0 1000000 2000000 3000000 4000000	999999 1999999 2999999 3999999 4999999
um of Bururst Interpretation	rsts = 12 erval (us) = 1000 Off Time (us) 635187 1267886 333860 1694864 528362 1229454 648292 1247106	n waveform = 2 *****************  0000  # Pulses 2 3 2 1 2 3	4*************************************	PW (us) 50 50 55 90 70 60	Pulse 1 Pri(us) 1172 1416 1865 1075 1029 1235	Pulse 2 Pri(us) 1584 1020 1934 0 1410 1247	Pulse 3 Pri(us) 0 1693 0 0 0	(us) 635187 1905829 2243818 3942481 4471918 5703811	Interval (us. 0 1000000 2000000 3000000 4000000 5000000	) Interval (us) 99999 199999 299999 399999 499999 5999999
um of Bunurst Into	rsts = 12 erval (us) = 1000 (0ff Time (us) 635187 1267886 333860 1694864 528362 1229454 648292 1247106 507191	1 waveform = 2 **************************  0000  # Pulses 2 3 2 1 2 3 1	4*************************************	PW (us) 50 50 55 90 70 60 50	Pulse 1 Pri(us) 1172 1416 1865 1075 1029 1235 1664	Pulse 2 Pri(us) 1584 1020 1934 0 1410 1247	Pulse 3 Pri(us) 0 1693 0 0 0 1471	(us) 635187 1905829 2243818 3942481 4471918 5703811 6356056	Interval (us. 0 1000000 2000000 3000000 4000000 5000000 6000000	) Interval (us) 99999 199999 299999 399999 499999 599999 6999999
um of Buurst Into	rsts = 12 erval (us) = 1000 (us) = 635187 1267886 333860 1694864 528362 1229454 648292 1247106 507191 1620085	0000 # Pulses 2 1 2 3 1 1 1	Chirp (MHz) 9 9 9 9 9 9 9	PW (us) 50 50 55 90 70 60 50 75	Pulse 1 Pri(us) 1172 1416 1865 1075 1029 1235 1664 1687	Pulse 2 Pri(us) 1584 1020 1934 0 1410 1247 0	Pulse 3 Pri(us) 0 1693 0 0 0 1471	(us) 635187 1905829 2243818 3942481 4471918 5703811 6356056 7604826	Interval (us. 0 1000000 2000000 3000000 4000000 5000000 7000000 7000000	) Interval (us) 999999 1999999 2999999 3999999 4999999 5999999 7999999
**************************************	rsts = 12 erval (us) = 1000 (0ff Time (us) 635187 1267886 333860 1694864 528362 1229454 648292 1247106 507191	0000 # Pulses 2 1 2 3 1 1 1 1	Chirp (MHz) 9 9 9 9 9 9 9 9	PW (us) 50 50 55 90 70 60 50 75 60	Pulse 1 Pri(us) 1172 1416 1865 1075 1029 1235 1664 1687	Pulse 2 Pri(us) 1584 1020 1934 0 1410 1247 0	Pulse 3 Pri(us) 0 1693 0 0 0 1471 0	(us) 635187 1905829 2243818 3942481 4471918 5703811 6356056 7604826 8113704	Interval (us. 0 1000000 2000000 3000000 4000000 5000000 7000000 8000000 8000000	) Interval (us) 999999 1999999 2999999 3999999 4999999 5999999 7999999 8999999

FCC ID: 2AD8UFZCWO4A1 Page Number: 50 of 114 IC: 109D-FZCWO4A1





Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5491	1	16	5500	1
2	5491	1	17	5500	1
3	5491	1	18	5500	1
4	5491	1	19	5500	1
5	5491	1	20	5500	1
6	5491	1	21	5509	1
7	5491	1	22	5509	1
8	5491	1	23	5509	1
9	5491	1	24	5509	1
10	5491	1	25	5509	1
11	5500	1	26	5509	1
12	5500	1	27	5509	1
13	5500	1	28	5509	1
14	5500	1	29	5509	1
15	5500	1	30	5509	1
_	Det	ection Percentage	(%)		100%

FCC ID: 2AD8UFZCWO4A1 Page Number: 51 of 114





F	Radar waveform #	1	Radar waveform #2			
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
3	5503	9	10	5474	30	
7	5483	21	21	5490	63	
15	5520	45	53	5482	159	
16	5473	48	66	5472	198	
34	5509	102	73	5495	219	
37	5493	111	84	5468	252	
47	5513	141	89	5493	267	
49	5478	147				
58	5467	174				
78	5491	234				
96	5502	288				
98	5515	294				

F	Radar waveform #	3	Radar waveform #4			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
2	5514	6	4	5504	12	
14	5519	42	6	5464	18	
22	5480	66	26	5462	78	
24	5503	72	38	5519	114	
31	5481	93	41	5461	123	
39	5491	117	42	5471	126	
52	5490	156	45	5485	135	
53	5495	159	49	5463	147	
61	5462	183	53	5489	159	
71	5513	213	56	5473	168	
72	5474	216	64	5477	192	
80	5461	240	67	5510	201	
86	5509	258	70	5515	210	
89	5464	267	77	5480	231	
93	5475	279	99	5466	297	





F	Radar waveform #	5	F	Radar waveform #	6
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
3	5520	9	10	5507	30
8	5481	24	15	5479	45
10	5488	30	19	5476	57
12	5466	36	44	5472	132
20	5483	60	53	5469	159
29	5495	87	60	5481	180
43	5502	129	61	5497	183
46	5518	138	78	5462	234
52	5487	156	90	5461	270
55	5491	165	95	5513	285
57	5501	171			
61	5489	183			
63	5486	189			
64	5521	192			
73	5469	219			
77	5479	231			
83	5477	249			
87	5480	261	-		
91	5513	273			
96	5484	288			
99	5499	297			





F	Radar waveform #	7	Radar waveform #8			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
3	5520	9	0	5499	0	
5	5499	15	1	5506	3	
12	5496	36	19	5480	57	
18	5489	54	23	5504	69	
21	5491	63	31	5509	93	
35	5518	105	32	5464	96	
36	5482	108	46	5519	138	
45	5501	135	47	5477	141	
54	5519	162	66	5462	198	
55	5485	165	98	5496	294	
69	5462	207				
81	5474	243				

F	Radar waveform #	9	Radar waveform #10			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
4	5496	12	1	5471	3	
9	5481	27	13	5486	39	
12	5516	36	17	5497	51	
21	5476	63	30	5487	90	
62	5461	186	36	5504	108	
86	5489	258	37	5468	111	
			42	5464	126	
			46	5512	138	
			50	5462	150	
			75	5501	225	
			78	5489	234	
			86	5493	258	
			89	5469	267	
			95	5495	285	



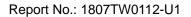


R	adar waveform #1	11	Radar waveform #12			
Hopping	Frequency	Pulse Start (ms)	Frequency	Hopping	Pulse Start (ms)	
Number	(MHz)		(MHz)	Number		
7	5492	21	0	5490	0	
17	5512	51	4	5496	12	
20	5480	60	9	5500	27	
24	5490	72	20	5472	60	
33	5527	99	25	5524	75	
34	5471	102	38	5518	114	
41	5495	123	39	5486	117	
51	5497	153	66	5528	198	
52	5528	156	68	5493	204	
56	5477	168	69	5470	207	
71	5525	213	73	5510	219	
72	5489	216	98	5519	294	
78	5522	234				
85	5511	255				
89	5481	267				
94	5483	282				



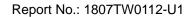


R	adar waveform #1	13	Radar waveform #14			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
6	5472	18	1	5486	3	
26	5522	78	3	5482	9	
37	5524	111	9	5497	27	
63	5523	189	15	5505	45	
68	5500	204	21	5483	63	
89	5481	267	32	5470	96	
95	5478	285	45	5495	135	
97	5483	291	51	5508	153	
			67	5477	201	
			68	5510	204	
			69	5519	207	
			74	5494	222	
			76	5481	228	
			80	5493	240	
			82	5504	246	
			98	5479	294	





R	adar waveform #1	15	Radar waveform #16			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
5	5514	15	14	5519	42	
11	5509	33	27	5471	81	
21	5523	63	34	5489	102	
25	5508	75	38	5484	114	
31	5527	93	41	5495	123	
33	5473	99	50	5518	150	
51	5516	153	51	5530	153	
57	5479	171	52	5503	156	
60	5528	180	60	5504	180	
65	5497	195	63	5502	189	
80	5500	240	66	5494	198	
84	5477	252	67	5479	201	
91	5493	273	74	5511	222	
92	5484	276	77	5496	231	
95	5529	285				





R	adar waveform #1	17	Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5506	0	7	5507	21
3	5489	9	14	5500	42
11	5520	33	38	5490	114
12	5491	36	62	5521	186
13	5481	39	72	5498	216
18	5475	54	73	5528	219
29	5502	87	91	5512	273
35	5514	105	92	5510	276
36	5507	108	97	5524	291
37	5516	111	99	5471	297
40	5522	120			
43	5527	129			
44	5493	132			
48	5505	144			
57	5524	171			
60	5511	180			
68	5473	204			
86	5485	258			
88	5510	264			
99	5474	297			

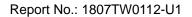
R	Radar waveform #19			Radar waveform #20		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
3	5502	9	14	5511	42	
17	5518	51	49	5514	147	
22	5478	66	62	5488	186	
27	5481	81	70	5516	210	
37	5475	111	75	5517	225	
41	5480	123	99	5471	297	
45	5523	135				
61	5509	183				
65	5496	195				
75	5495	225				





R	adar waveform #2	21	Radar waveform #22		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
5	5484	15	12	5489	36
36	5491	108	19	5539	57
38	5481	114	28	5492	84
45	5524	135	31	5526	93
54	5512	162	33	5529	99
64	5519	192	38	5530	114
67	5537	201	42	5501	126
70	5485	210	43	5509	129
77	5493	231	50	5504	150
83	5505	249	52	5537	156
99	5530	297	61	5497	183
			68	5491	204
			79	5488	237
			81	5528	243
			85	5510	255
			86	5490	258

R	adar waveform #2	23	Radar waveform #24		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
4	5501	12	4	5489	12
9	5503	27	19	5523	57
37	5479	111	26	5480	78
41	5519	123	30	5516	90
43	5528	129	31	5533	93
44	5520	132	39	5502	117
54	5514	162	55	5492	165
56	5533	168	57	5520	171
60	5518	180	67	5524	201
62	5492	186	74	5509	222
69	5532	207	95	5521	285
73	5537	219			
75	5494	225			
89	5495	267			





R	adar waveform #2	25	R	adar waveform #2	26
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
5	5511	15	8	5532	24
7	5539	21	29	5520	87
16	5529	48	37	5485	111
17	5479	51	40	5495	120
25	5494	75	45	5507	135
30	5514	90	47	5479	141
39	5507	117	52	5516	156
57	5485	171	54	5489	162
65	5501	195	65	5483	195
66	5498	198	69	5488	207
75	5519	225	74	5482	222
76	5528	228	75	5530	225
83	5518	249	76	5497	228
90	5505	270	85	5539	255
			89	5523	267

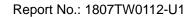
R	adar waveform #2	27	R	adar waveform #2	28
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
2	5481	6	9	5523	27
13	5535	39	14	5524	42
25	5513	75	20	5482	60
29	5506	87	24	5529	72
39	5527	117	56	5499	168
48	5487	144	70	5505	210
51	5495	153	75	5510	225
59	5497	177	82	5526	246
69	5499	207	97	5503	291
79	5485	237			
83	5490	249			
87	5517	261			
93	5511	279			



Page Number: 61 of 114



R	Radar waveform #29			adar waveform #3	30
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5526	0	5	5486	15
4	5514	12	6	5498	18
16	5492	48	12	5534	36
19	5508	57	23	5532	69
28	5523	84	24	5519	72
34	5536	102	25	5482	75
41	5525	123	41	5497	123
67	5524	201	51	5518	153
72	5494	216	53	5524	159
73	5501	219	57	5523	171
87	5484	261	88	5479	264
97	5497	291			

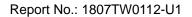




## Radar Statistical Performance for 802.11n-HT40

Radar Type 1 - Radar Statistical Performance

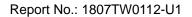
Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5492	1	918	58	1
2	5492	1	698	76	1
3	5492	1	938	57	1
4	5492	1	838	63	1
5	5500	1	898	59	1
6	5500	1	778	68	1
7	5500	1	718	74	1
8	5500	1	658	81	1
9	5508	1	538	99	1
10	5508	1	818	65	1
11	5508	1	578	92	1
12	5508	1	678	78	1
13	5510	1	638	83	1
14	5510	1	3066	18	1
15	5510	1	798	67	1
16	5510	1	1153	46	1
17	5510	1	986	54	1
18	5510	1	2224	24	1
19	5512	1	3041	18	1
20	5512	1	2101	26	1
21	5512	1	1701	32	1
22	5512	1	2300	23	1
23	5520	1	2465	22	1
24	5520	1	629	84	1
25	5520	1	1634	33	1
26	5520	1	1232	43	1
27	5528	1	2860	19	1
28	5528	1	3037	18	1
29	5528	1	2891	19	1
30	5528	1	2512	22	1
	Det	ection Percentage	(%)		100%





Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5492	1.3	194	27	1
2	5492	2.2	217	28	1
3	5492	5.0	159	24	1
4	5492	4.2	211	25	1
5	5500	1.9	163	25	1
6	5500	2.8	203	25	1
7	5500	2.3	207	23	1
8	5500	3.5	177	24	1
9	5508	3.2	217	25	1
10	5508	1.0	156	27	1
11	5508	1.5	177	29	1
12	5508	1.3	167	25	1
13	5510	2.3	162	24	1
14	5510	1.2	156	29	1
15	5510	3.5	227	27	1
16	5510	3.8	196	27	1
17	5510	1.0	182	24	1
18	5510	3.4	204	25	1
19	5512	2.9	187	23	1
20	5512	3.0	229	23	1
21	5512	2.1	195	26	1
22	5512	2.7	158	24	1
23	5520	3.2	193	24	1
24	5520	1.4	164	29	1
25	5520	2.8	174	25	1
26	5520	3.6	196	24	1
27	5528	2.4	207	26	1
28	5528	3.3	185	23	1
29	5528	3.7	202	29	1
30	5528	1.6	157	27	1
	Det	ection Percentage	(%)		100%





Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5492	9.1	419	16	1
2	5492	7.4	314	16	1
3	5492	6.4	438	16	1
4	5492	7.0	447	18	1
5	5500	7.0	362	16	1
6	5500	6.2	299	18	1
7	5500	9.9	435	17	1
8	5500	6.6	300	18	1
9	5508	8.8	426	17	1
10	5508	9.9	383	17	1
11	5508	8.3	484	16	1
12	5508	8.9	263	17	1
13	5510	7.9	479	18	1
14	5510	7.6	344	16	1
15	5510	9.8	455	17	1
16	5510	8.6	464	16	1
17	5510	9.6	257	18	1
18	5510	9.1	490	18	1
19	5512	6.0	350	16	1
20	5512	7.5	459	18	1
21	5512	7.2	479	16	1
22	5512	9.1	439	18	1
23	5520	9.1	380	18	1
24	5520	7.6	424	17	1
25	5520	9.1	330	16	1
26	5520	9.6	283	17	1
27	5528	9.9	427	17	1
28	5528	9.6	296	18	1
29	5528	8.6	450	16	1
30	5528	9.4	421	17	1
	Det	ection Percentage	(%)		100%



Radar Type 4 - Radar Statistical Performance

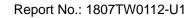
Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5492	19.2	464	16	1
2	5492	13.3	380	14	1
3	5492	15.9	397	12	1
4	5492	13.8	341	15	1
5	5500	19.4	449	16	1
6	5500	19.3	393	16	1
7	5500	17.4	334	16	1
8	5500	18.6	488	12	1
9	5508	11.7	392	14	1
10	5508	12.4	362	13	1
11	5508	12.9	349	15	1
12	5508	14.6	450	16	1
13	5510	15.9	327	15	1
14	5510	18.0	312	15	1
15	5510	14.7	366	14	1
16	5510	11.6	262	12	1
17	5510	11.6	471	13	1
18	5510	17.0	316	13	1
19	5512	19.5	391	16	1
20	5512	18.2	373	14	1
21	5512	16.0	358	13	1
22	5512	14.1	319	16	1
23	5520	18.6	350	14	1
24	5520	16.4	265	15	1
25	5520	17.4	258	12	1
26	5520	19.6	391	13	1
27	5528	17.5	458	15	1
28	5528	11.3	488	12	1
29	5528	17.8	433	13	1
30	5528	18.9	487	14	1
	Det	ection Percentage	(%)		100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows:  $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 100\% + 100\%)/4 = 100\% (>80\%)$ 

FCC ID: 2AD8UFZCWO4A1 Page Number: 65 of 114

IC: 109D-FZCWO4A1





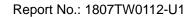
Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5496.8	1	16	5510.0	1
2	5499.6	1	17	5510.0	1
3	5496.0	1	18	5510.0	1
4	5494.0	1	19	5510.0	1
5	5494.4	1	20	5510.0	1
6	5495.6	1	21	5526.0	1
7	5499.2	1	22	5523.2	1
8	5498.8	1	23	5524.8	1
9	5497.6	1	24	5520.8	1
10	5495.2	1	25	5524.4	1
11	5510.0	1	26	5521.2	1
12	5510.0	1	27	5525.6	1
13	5510.0	1	28	5524.0	1
14	5510.0	1	29	5520.4	1
15	5510.0	1	30	5522.4	1
	Det	ection Percentage	(%)		100%

	Type 5 Radar Waveform_1										
Num of Bur Burst Inte	sts = 18 erval (us)= 6666	67									
Burst #	Off Time (us) 623552	# 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		1	12	90	1917	0	0	623552	0	666666	
2	503573	1	12	80	1598	0	0	1129042	666667	1333333	
3	852807	2	12	70	1502	1522	0	1983447	1333334	2000000	
4	266480	2	12	70	1599	1872	0	2252951	2000001	2666667	
5	742511	3	12	60	1351	1147	1331	2998933	2666668	3333334	
6	601179	2	12	95	1047	1477	0	3603941	3333335	4000001	
7	632479	1	12	50	1742	0	0	4238944	4000002	4666668	
8	1008943	3	12	95	1489	1854	1980	5249629	4666669	5333335	
9	140466	2	12	55	1864	1075	0	5395418	5333336	6000002	
10	855510	3	12	55	1909	1225	1662	6253867	6000003	6666669	
11	1033982	2	12	60	1102	1648	0	7292645	6666670	7333336	
12	265047	1	12	75	1495	0	0	7560442	7333337	8000003	
13	1055641	2	12	55	1492	1910	0	8617578	8000004	8666670	
14	319229	3	12	50	1704	1878	1095	8940209	8666671	9333337	
15	830816	3	12	85	1292	1491	1685	9775702	9333338	10000004	
16	315545	1	12	70	1354	0	0	10095715	10000005	10666671	
17	1024469	1	12	70	1110	0	0	11121538	10666672	11333338	
18	663087	3	12	50	1656	1261	1725	11785735	11333339	12000005	
	er of pulses in				******		2.20	11.00100	1100000	*********	

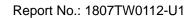
FCC ID: 2AD8UFZCWO4A1 Page Number: 66 of 114

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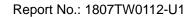


				Туре	5 Radar	Wavefor	m_2			
um of Bur	sts = 16 rval (us)= 7500	100								
Burst inte Burst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
#	(us) 158221	Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pulse 3 Pri(us)	(us)	Interval (us)	Interval (us)
1	792690	1	19	70	1726	0	0	158221	0	749999
2		2	19	65	1332	1833	0	952637	750000	1499999
3	1290349	1	19	55	1975	0	0	2246151	1500000	2249999
4	199089	3	19	90	1484	1298	1176	2447215	2250000	2999999
5	629284	3	19	95	1741	1577	1253	3080457	3000000	3749999
6	1078879	2	19	75	1104	1366	0	4163907	3750000	4499999
	389202									
7	1189202	1	19	50	1787	0	0	4555579	4500000	5249999
8	883780	1	19	85	1989	0	0	5746568	5250000	5999999
9	657267	2	19	90	1247	1604	0	6632337	6000000	6749999
10	608985	2	19	90	1072	1031	0	7292455	6750000	7499999
11		2	19	55	1662	1658	0	7903543	7500000	8249999
12	927731	2	19	50	1522	1140	0	8834594	8250000	8999999
13	352952	1	19	50	1725	0	0	9190208	9000000	9749999
14	610971	1	19	55	1478	0	0	9802904	9750000	10499999
15	1360767	3	19	80	1990	1346	1332	11165149	10500000	11249999
	278140									
16 Total numb	er of pulses in	2 n waveform = 2	19 29	50	1255	1303	0	11447957	11250000	11999999
****						**				
				Туре	5 Radar	Wavefor	m_3			
Jum of Bur Surst Inte	sts = 12 rval (us)= 1000	1000								
Burst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
¥	(us)	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
1	496384	3	10	100	1621	1857	1841	496384	0	999999
_	955436									
2	1398717	2	10	75	1685	1167	0	1457139	1000000	1999999
3		3	10	85	1490	1870	1376	2858708	2000000	2999999
4	753396	2	10	90	1880	1881	0	3616840	3000000	3999999
-	690176									
5	1564056	3	10	90	1342	1781	1924	4310777	4000000	4999999
6		1	10	70	1154	0	0	5879880	5000000	5999999
7	327469	2	10	80	1542	1059	0	6208503	6000000	6999999
	1190298									
8		3	10	60	1862	1733	1168	7401402	7000000	7999999
9	1389039	1	10	95	1333	0	0	8795204	8000000	8999999
	615016									
10	1103340	2	10	95	1105	1619	0	9411553	9000000	9999999
11		3	10	60	1411	1106	1609	10517617	10000000	10999999
12	1438196	3	10	90	1596	1199	1947	11959939	11000000	11999999
otal numb	er of pulses ir	waveform = 2	.8		****		2021	11505505	1100000	11000000
						\a.				
				Туре	5 Radar	Wavefor	'm_4			
	sts = 16 rval (us)= 7500	00	Chirp	Pω	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
urst Inte	Off Time	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)		Interval (us)
urst Inte: urst	Off Time (us) 356789	rurses	5	50	1049	1534	0	356789	0	749999
Jum of Burs Burst Inter	(us) 356789	2	9				1652	782377	750000	1499999
urst Inte urst 1	(us) 356789 423005		5	80	1466	1610	1002			2249999
ourst Inter ourst 1 2	(us) 356789 423005 1346940	2		80 65	1466 1886	1584	0	2134045	1500000	
ourst Inter ourst 1 2	(us) 356789 423005 1346940 520321	2	5					2134045 2657836	2250000	2999999
urst Inte: urst 1 2 3 4	(us) 356789 423005 1346940 520321 1079029	2 3 2 2	5 5 5	65 50	1886 1937	1584 1036	o o	2657836	2250000	2999999
ourst Inter ourst 1 2 3 4 5	(us) 356789 423005 1346940 520321	2 3 2 2 3	5 5 5 5	65 50 100	1886 1937 1266	1584 1036 1305	0 0 1836	2657836 3739838	2250000 3000000	2999999 3749999
urst Inter urst  1  2  3  4  5	(us) 356789 423005 1346940 520321 1079029	2 3 2 2 3 1	5 5 5 5 5 5 5 5	65 50 100 80	1886 1937 1266 1886	1584 1036 1305 0	0 0 1836 0	2657836 3739838 4034107	2250000 3000000 3750000	2999999 3749999 4499999
urst Inter urst  1  2  3  4  5  6	(us) 356789 423005 1346940 520321 1079029 289862	2 3 2 2 3 1 3	5 5 5 5 5 5	65 50 100 80 55	1886 1937 1266 1886 1625	1584 1036 1305 0 1490	0 0 1836 0 1250	2657836 3739838 4034107 4940800	2250000 3000000 3750000 4500000	2999999 3749999 4499999 5249999
urst Interpretation of the control o	(us) 356789 423005 1346940 520321 1079029 289862 904807	2 3 2 2 3 1 3 2	5 5 5 5 5 5	65 50 100 80 55 75	1886 1937 1266 1886 1625 1508	1584 1036 1305 0 1490 1052	0 0 1836 0 1250	2657836 3739838 4034107 4940800 5990037	2250000 3000000 3750000 4500000 5250000	2999999 3749999 4499999 5249999
urst Interpretation of the control o	(us) 356789 423005 1346940 520321 1079029 289862 904807 1044872 658815	2 3 2 2 3 1 3	5 5 5 5 5 5	65 50 100 80 55	1886 1937 1266 1886 1625	1584 1036 1305 0 1490	0 0 1836 0 1250	2657836 3739838 4034107 4940800	2250000 3000000 3750000 4500000	2999999 3749999 4499999 5249999
urst Inter urst 1 2 3 4 5 6 7 8 9	(us) 356789 423005 1346940 520321 1079029 289862 904807 1044872 658815 317451	2 3 2 2 3 1 3 2	5 5 5 5 5 5	65 50 100 80 55 75	1886 1937 1266 1886 1625 1508	1584 1036 1305 0 1490 1052	0 0 1836 0 1250	2657836 3739838 4034107 4940800 5990037	2250000 3000000 3750000 4500000 5250000	2999999 3749999 4499999 5249999
nurst Interpretation    1	(us) 356789 423005 1346940 520321 1079029 289862 904807 1044872 658815 317451	2 3 2 2 3 1 3 2 3	5 5 5 5 5 5 5	65 50 100 80 55 75	1886 1937 1266 1886 1625 1508	1584 1036 1305 0 1490 1052 1693	0 0 1836 0 1250 0	2657836 3739838 4034107 4940800 5990037 6651412	2250000 3000000 3750000 4500000 5250000	2999999 3749999 4499999 5249999 5999999
urst Inte: urst  1  2  3  4  5  6  7  8  9  10  11	(us) 356789 423005 1346940 520321 1079029 289862 904807 1044872 658815 317451 1089437 328871	2 3 2 2 3 1 3 2 3	5 5 5 5 5 5 5 5	65 50 100 80 55 75 95	1886 1937 1266 1886 1625 1508 1250	1584 1036 1305 0 1490 1052 1693	0 0 1836 0 1250 0 1848	2657836 3739838 4034107 4940800 5990037 6651412 6973654	2250000 3000000 3750000 4500000 5250000 6000000	2999999 3749999 4499999 5249999 5999999 6749999
urst Inte: 1 2 3 4 5 6 7 8 9 10 11 12	(us) 356789 423005 1346940 520321 1079029 289862 904807 1044872 658815 317451	2 3 2 2 3 1 3 2 3 2 3 2	5 5 5 5 5 5 5 5 5	65 50 100 80 55 75 95 80	1886 1937 1266 1886 1625 1508 1250 1013 1757	1584 1036 1305 0 1490 1052 1693 1441 1163	0 0 1836 0 1250 0 1848 0 1150	2657836 3739838 4034107 4940800 5990037 6651412 6973654 8065545 8398486	2250000 3000000 3750000 4500000 5250000 6000000 6750000 7500000 8250000	299999 3749999 4499999 5249999 5999999 6749999 7499999 8249999
urst Interverse 1  2  3  4  5  6  7  8  9  10  11  12  13	(us) 356789 423005 1346940 520321 1079029 289862 904807 1044872 658815 317451 1089437 328871	2 3 2 2 3 1 3 2 3 2 3 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 2 2 3 2 2 2 2 3 2 2 2 2 3 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	65 50 100 80 55 75 95 80 85	1886 1937 1266 1886 1625 1508 1250 1013 1757 1978	1584 1036 1305 0 1490 1052 1693 1441 1163 1752	0 0 1836 0 1250 0 1848 0 1150	2657836 3739838 4034107 4940800 5990037 6651412 6973654 8065545 8398486 9017765	2250000 3000000 3750000 4500000 5250000 6000000 6750000 7500000 8250000	299999 3749999 449999 5249999 5999999 6749999 7499999 8249999 8999999
urst Inte: urst  1  2  3  4  5  6  7  8  9  10  11  12  13  14	(us) 356789 423005 1346940 520321 1079029 289862 904807 1044872 658815 317451 1089437 328871 615549	2 3 2 2 3 1 3 2 3 2 3 2 2 3 2 2 1	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	65 50 100 80 55 75 95 80 85 80 50	1886 1937 1266 1886 1625 1508 1250 1013 1757 1978 1811	1584 1036 1305 0 1490 1052 1693 1441 1163 1752 1094	0 0 1836 0 1250 0 1848 0 1150 0	2657836 3739838 4034107 4940800 5990037 6651412 6973654 8065545 8398486 9017765 9967390	2250000 3000000 3750000 4500000 5250000 6000000 6750000 7500000 8250000 9000000 9750000	299999 3749999 449999 5249999 5999999 6749999 3249999 8999999 9749999
urst Inte: 1 2 3 4 5 6 7 8 9 10	(us) 356789 423005 1346940 520321 1079029 288862 904807 1044872 658815 317451 1089437 328871 615549	2 3 2 2 3 1 3 2 3 2 3 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 2 2 3 2 2 2 2 3 2 2 2 2 3 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	65 50 100 80 55 75 95 80 85	1886 1937 1266 1886 1625 1508 1250 1013 1757 1978	1584 1036 1305 0 1490 1052 1693 1441 1163 1752	0 0 1836 0 1250 0 1848 0 1150	2657836 3739838 4034107 4940800 5990037 6651412 6973654 8065545 8398486 9017765	2250000 3000000 3750000 4500000 5250000 6000000 6750000 7500000 8250000	299999 3749999 449999 5249999 5999999 6749999 7499999 8249999 8999999





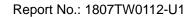
				Тур	e 5 Rada	r Wave	form_5	5			
of Burs	ts = 20 val (us) = 600000 Off Time (us) 36927	o _									
st	(us) 36927	# Pulses	Chirp (MHz)	(us)		Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Bur: Interval(	ıs) Interval (u	s)
	813892	2	6	90	1562	1815	0	36927	0	59999	
	478769	1	6	80 90	1635 1459	0	0	854196 1334600	600000 1200000	1199999 1799999	
	583437	2	6	55	1134	1266	0	1919496	1800000	2399999	
	996297 395750	2	6	95	1603	1681	0	2918193	2400000	2999999	
	321665	2	6	70	1348	1681	0	3317227	3000000	3599999	
	766143	2	6	95 80	1233	1827 1012	0 1162	3641921 4411124	3600000 4200000	4199999 4799999	
	967096	1	6	80	1363 1412	0	0	5381757	4800000	539999	
	490047	3	6	70	1392	1554	1402	5873216	5400000	599999	
	148565 756170	3	6	70	1771	1263	1558	6026129	6000000	6599999	
	751934	2	6	75	1941	1058	0	6786891	6600000	7199999	
	721061	2	6	100 60	1414 1848	0 1714	0	7541824 8264299	7200000 7800000	7799999 8399999	
	442773	3	6	60	1003	1165	1541	8710634	8400000	8999999	
	602740 394123	1	6	100	1010	0	0	9317083	9000000	9599999	
	932718	2	6	90	1178	1254	0	9712216	9600000	10199999	
	312946	2	6	75 85	1942 1818	1828 1406	0	10647366 10964082	10200000	10799999 11399999	
	980069	2	6	85	1944	1488	0	11947375	11400000	11999999	
l numbe	r of pulses in	waveform = 39	) <del></del>	-							
				Тур	e 5 Rada	r Wave	form_6	6			
of Bur	sts = 12 rval (us)= 100	0000									
вt	Off Time	# .	Chirp	PW	Pulse 1	Pulse		ilse 3	Start Loc	Start Burst	End Burst
	(us) 457572	Pulses	(MHz)	(us)	Pri(us)	Pri(u		i (us)	(us)	Interval (us)	Interval (us)
	938499	2	9	75	1930	1301	C	)	457572	0	999999
		2	9	60	1583	1060	C	)	1399302	1000000	1999999
	1436936	3	9	70	1097	1001	1	493	2838881	2000000	2999999
	1061607	1	9	90	1318	0	C	1	3904079	3000000	3999999
	721432	-									
	1223507	2	9	90	1592	1696			4626829	4000000	4999999
	186454	2	9	50	1721	1360	C	ı	5853624	5000000	5999999
	1797347	1	9	55	1672	0	C	)	6043159	6000000	6999999
		2	9	100	1064	1524	C	)	7842178	7000000	7999999
	363568	2	9	80	1629	1762	C	)	8208334	8000000	8999999
	1272657	2	9	85	1033	1589			9484382	9000000	9999999
	892808										
	1146836	3	9	50	1839	1810		.785	10379812	10000000	10999999
al numb	er of pulses in	2 n waveform = ******	9 : 24 :*********	80 ********	1620 ******	1106 ****	C	)	11532082	11000000	11999999
				Тур	e 5 Rada	r Wave	form_7	7			
of Bur: st Inte: st	sts = 15 rval (us)= 8000 Off Time	000 #	Chirp	PW	Pulse 1	Pulse	2 Pul	lse 3 S	tart Loc	Start Burst	End Burst
	(us) 74933	Pulses	(MHz)	(us)	Pri(us)	Pri (us	;) Pri	(us) (	us)	Interval (us)	Interval (us)
	1028979	2	18	65	1802	1709	0		74933	0	799999
	1185546	1	18	80	1575	0	0		1107423	800000	1599999
	359669	3	18	95	1507	1536		103	2294544	1600000	2399999
	784242	3	18	65	1408	1187	13	395	2658359	2400000	3199999
	591711	1	18	75	1571	0	0		3446591	3200000	3999999
	1291583	3	18	50	1266	1341	15	502	4039873	4000000	4799999
	369921	3	18	85	1631	1785	11	18	5335565	4800000	5599999
	1040007	2	18	100	1393	1940	0		5710020	5600000	6399999
		3	18	65	1132	1596	14	129	6 <b>7</b> 53360	6400000	7199999
	546741	1	18	70	1754	0	0		7304258	7200000	7999999
	811104	1	18	100	1430	0	0		8117116	8000000	8799999
		1	18	90	1352	0	0		9505757	8800000	9599999
	1387211								10000000		
	759154	3	18	95	1698	1956	10	053	10266263	9600000	10399999
	759154 620664	3 1	18 18	95 65	1698 1052	1956 0	0		10266263	10400000	11199999
	759154	1 3	18 18				0				





				Тур	e 5 Radar	Wavefo	rm_8			
	rsts = 10 erval (us)= 1200	1000								
urst	Off Time	# 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	224209	1	17	60	1564	0	0	224209	0	1199999
2	1490251	2	17	60	1353	1024	0	1716024	1200000	2399999
3	695241	3	17	60	1627	1496	1516	2413642	2400000	3599999
4	1605744	2	17	80	1039	1122	0	4024025	3600000	4799999
5	1262757	2	17	65	1497	1907	0	5288943	4800000	5999999
6	876071	2	17	55	1414	1220	0	6168418	6000000	7199999
~ 7	2024055	2	17	55	1583	1999	0	8195107	7200000	8399999
8	885110	3					1665			
_	1132891		17	80	1656	1396		9083799	8400000	9599999
9	1630348	1	17	80	1024	0	0	10221407	9600000	10799999
10 otal numb	er of pulses in	1 waveform =	17 19	80	1749	0	0	11852779	10800000	11999999
*****	olokokokokokokokokokokokok					icioi:				
				Tvp	e 5 Radar	Wavefo	rm 9			
um of Bur	sts = 18 rval (us)= 66666	7		<u> </u>						
urst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 F Pri(us) F	Pulse 2 F Pri(us) F	Pulse 3 Pri(us)	Start Loc Sta (us) Int	rt Burst End Burs erval(us) Interval	st   (us)
1	426780 767453	2	14	65			0	426780 0	666666	
2	363162	1	14	100			0		6667 1333333	
4	689558	2	14 14	70 85			0		33334 2000000 00001 266666	
5	851053 754414	1	14	55			0		66668 3333334	
5	331437	1	14	100			0		33335 4000001	
7 3	485568	1	14 14	50 85			0		00002 466668 66669 533333	
9	729309	1	14	70			0		33336 6000002	
10	848517 485960	3	14	80		1535	1850		00003 6666669	
11	1094623	3	14	60			1621		66670 7333336	
12 13	632887	2	14 14	80 70			0		33337 8000003 00004 866670	
14	788923	3	14	95			1660		66671 9333331	
15	302888 808450	2	14	80			0		33338 1000000	
16	272883	1	14	95			0		000005 106666	
17 18	1153571	2	14 14	55 80			0		566672 1133333 333339 120000	
otal numb	er of pulses in v	waveform = 33				0	Ů	1103/010 11	1200000	,,,
				Туре	5 Radar	Wavefo	rm_10			
	rsts = 12 erval (us)= 1000	0000								
urst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse Pri(us	3 Start L	oc Start Burs Interval(u	t End Burst s) Interval(us)
1	949230	1	8	50	1853	0	0	949230	0	999999
2	818618	1	8	85	1588	0	0	176970	1 1000000	1999999
3	990461	3	8	85	1346	1454	1285	276175		2999999
4	1140280	1	8	50	1636	0	0	390611		399999
5	974830	1	8	85	1279	0	0	488258		4999999
6	753000	1	8	75	1983	0	0	563686		5999999
7	665516	3	8	60	1703	1739	1748	630435		6999999
	1471976									
8	898501	1	8	85	1284	0	0	778152		7999999
	641060	1	8	90	1957	0	0	868131		8999999
9		2	8	95	1827	1946	0	932432	7 9000000	9999999
10	1365008									
9 10 11	1365008 944836	1	8	70	1893	0	0	106931	08 10000000	10999999

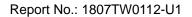
Page Number: 69 of 114 FCC ID: 2AD8UFZCWO4A1





				Тур	e 5 Radar	Wavef	orm_1	1			
um of Bur:	sts = 18 rval (us)= 666667	2									
urst Jurst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 I	Pulse 2	Pulse 3	Start Loc	Start Bur	st End Burst	
1	214856	ruises 2	12	85	Pri(us) I 1582	Pri (us) 1856	Pri(us)	(us) 214856	Interval (	us) Interval( 666666	us)
2	832493	1	12	50	1064	0	0	1050787	666667	1333333	
3	480747 830365	2	12	100	1244	1502	0	1532598	1333334	2000000	
4	420919	1	12	100	1594	0	0	2365709	2000001	2666667	
5 6	963166	1	12 12	50 50	1696 1622	0	0	2788222 3753084	2666668 3333335	3333334 4000001	
7	853929	1	12	70	1568	0	0	4608635	4000002	466668	
8	184234 598347	1	12	100	1552	0	0	4794437	4666669	5333335	
9	973468	1	12	75	1358	0	0	5394336	5333336	6000002	
10 11	644688	1 2	12 12	80 65	1333 1317	0	0	6369162 7015183	6000003 6666670	6666669 7333336	
12	514302	1	12	95	1690	0	0	7531895	7333337	8000003	
13	476769	3	12	75	1221	1293	1006	8010354	8000004	8666670	
14	1074670 581468	3	12	85	1917	1900	1920	9088544	8666671	9333337	
15	541078	1	12	60	1782	0	0	9675749	9333338	10000004	
16 17	989825	2	12 12	90 95	1467 1730	1297 1967	0	10218609 11211198	10000005 10666672	10666671 11333338	
18	141783	3	12	60	1773	1887	1790	11356678	11333339	12000005	
otal numbe	er of pulses in w	waveform = 29 <del> </del>	) <del></del>	<del></del>	******						
				Турс	e 5 Radar	Wavef	orm_1	2			
Vum of Bur Burst Inte	rsts = 9 erval (us)= 1333	3333									
Burst ¥	Off Time	# Pulana	Chirp (MHz)	PW (v.g.)	Pulse 1	Pulse			Start Loc	Start Burst Interval(us)	End Burst Interval(us)
	(us) 522054	Pulses		(us)	Pri(us)	Pri(us		i (us)	(us)		
1	170000	3	10	60	1008	1398	1'	735	522054	0	1333332
2	1706666	3	10	75	1571	1951	19	910	2232861	1333333	2666665
	1501221		10	80	1072	1017			9590514	0000000	2000000
3	1323589	2	10	80	1073	1017	0		3739514	2666666	3999998
4		1	10	95	1529	0	0		5065193	3999999	5333331
5	1465088	3	10	60	1963	1773	1.9	576	6531810	5333332	6666664
-	1415133							-			
6	56930	2	10	55	1365	1157	0		7952255	6666665	7999997
7		1	10	65	1417	0	0		8011707	7999998	9333330
8	2482684	1	10	80	1205	0	0		10495808	9333331	10666663
	218137										
9 otal numk	ber of pulses in	3 n waveform =	10 : 19	75	1439	1820	13	328	10715150	10666664	11999996
	**************************************					okokok K					
				Туре	e 5 Radar	Wavef	orm_1	3			
	erval (us)= 7500	000									
urst Inte	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Puls Pri(				End Burst Interval(us)
urst Inte urst	(us)	3	14	50	1435	1110	198	5 2	62709	0	749999
burst Inte Burst	(us) 262709		14	70	1883	0	0	1	139420	750000	1499999
urst Inte urst !	(us) 262709 872181	1		90	1267	1382	0			1500000	2249999
urst Inte urst 1 2 3	(us) 262709 872181 818051	1 2	14			1287	125			2250000	2999999
urst Inte urst 1 2 3 4	(us) 262709 872181	1 2 3	14 14	65	1134					3000000	3749999
urst Inte	(us) 262709 872181 818051 463290	1 2 3 1	14 14 14	65 50	1888	0	0				4400000
urst Inte	(us) 262709 872181 818051 463290 1072972	1 2 3 1 3	14 14 14	65 50 95	1888 1162	0 1476	162	2 3	837350	3750000	4499999
urst Inte	(us) 262709 872181 818051 463290 1072972 333517	1 2 3 1 3	14 14 14 14	65 50 95 65	1888 1162 1330	0 1476 0	162 0	2 3 5	837350 237299	3750000 4500000	5249999
turst Inte	(us) 262709 872181 818051 463290 1072972 333517 1395689	1 2 3 1 3 1 2	14 14 14 14 14	65 50 95 65 100	1888 1162 1330 1569	0 1476 0 1395	162 0 0	2 3 5	837350 237299 401767	3750000 4500000 5250000	5249999 5999999
urst Inte	(us) 262709 872181 818051 463290 1072972 333517 1395689 163138 1336390 123429	1 2 3 1 3 1 2	14 14 14 14 14 14	65 50 95 65 100 50	1888 1162 1330 1569 1331	0 1476 0 1395 0	162 0 0	2 3 5 6	837350 237299 401767 741121	3750000 4500000 5250000 6000000	5249999 5999999 6749999
urst Inte urst 1 2 3 4 5 6 7 8 9	(us) 262709 872181 818051 463290 1072972 333517 1395689 163138 1336390 123429 691541	1 2 3 1 3 1 2	14 14 14 14 14	65 50 95 65 100	1888 1162 1330 1569	0 1476 0 1395	162 0 0	2 3 5 5 6	837350 237299 401767 741121 865881	3750000 4500000 5250000	5249999 5999999
urst Inte urst  1  2  3  4  5  6  7  8  9  10	(us) 262709 872181 818051 463290 1072972 333517 1395689 163138 1336390 123429 691541 1266205	1 2 3 1 3 1 2 1 1 2 2	14 14 14 14 14 14 14	65 50 95 65 100 50	1888 1162 1330 1569 1331	0 1476 0 1395 0	162 0 0 0	2 3 5 6 6 7	837350 237299 401767 741121 865881 560476	3750000 4500000 5250000 6000000 6750000	5249999 5999999 6749999 7499999
hurst Interest  1 2 3 4 5 6 7 8 9 10 11	(us) 262709 872181 818051 463290 1072972 333517 1395689 163138 1336390 123429 691541 1266205 291628	1 2 3 1 3 1 2 1 2 1 1 2 1	14 14 14 14 14 14 14	65 50 95 65 100 50 85	1888 1162 1330 1569 1331 1342	0 1476 0 1395 0 1712	162 0 0 0 0	2 5 5 6 6 7 8	837350 237299 4401767 741121 865881 560476 827784	3750000 4500000 5250000 6000000 6750000	5249999 5999999 6749999 7499999 8249999
3urst ‡ 1 2 3 4 5 6 7	(us) 262709 872181 818051 463290 1072972 333517 1395689 163138 1336390 123429 691541 1266205 291628 1045423	1 2 3 1 2 1 2 1 2 1 2 2 1 2 2	14 14 14 14 14 14 14 14	65 50 95 65 100 50 85 80	1888 1162 1330 1569 1331 1342 1103	0 1476 0 1395 0 1712 0	162 0 0 0 0 0	2 5 5 6 6 7 8	837350 237299 4401767 741121 865881 560476 827784	3750000 4500000 5250000 6000000 6750000 7500000 8250000	5249999 5999999 6749999 7499999 8249999
the state of the s	(us) 262709 872181 818051 463290 1072972 333517 1395689 163138 1336390 123429 691541 1266205 291628	1 2 3 1 3 1 2 2 1 2 2 2	14 14 14 14 14 14 14 14 14 14	65 50 95 65 100 50 85 80 100	1888 1162 1330 1569 1331 1342 1103 1999	0 1476 0 1395 0 1712 0 1802	162 0 0 0 0 0 0	2 3 5 6 6 7 8 9	837350 237299 401767 741121 865881 560476 827784 123213	3750000 4500000 5250000 6000000 6750000 7500000 8250000 90000000	5249999 5999999 6749999 7499999 8249999 9749999

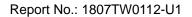
Page Number: 70 of 114 FCC ID: 2AD8UFZCWO4A1





				Тур	e 5 Rada	r Wavefo	orm_14			
Num of Burs	sts = 12 rval (us)= 1000	2000								
Burst inter Burst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
#	(us) 673725	Pulses	(MHz)	(us)	Pri (us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
1	524942	3	19	50	1294	1033	1161	673725	0	999999
2		2	19	60	1177	1169	0	1202155	1000000	1999999
3	986465	3	19	80	1150	1199	1149	2190966	2000000	2999999
4	1055618	3	19	70	1360	1524	1872	3250082	3000000	3999999
5	1551249	1	19	100	1426	0	0	4806087	4000000	4999999
6	1041534	2	19	65	1610	1611	0	5849047	5000000	5999999
7	493273	1	19	90	1519	0	0	6345541	6000000	6999999
8	1188785	2	19	70		1873	0			
	502331				1811			7535845	7000000	7999999
9	1731839	3	19	50	1845	1331	1350	8041860	8000000	8999999
10	901675	1	19	60	1635	0	0	9778225	9000000	9999999
11	1074883	1	19	50	1967	0	0	10681535	10000000	10999999
12 Total numbe	er of pulses in	3 waveform =	19	60	1719	1710	1403	11758385	11000000	11999999
						kokokok				
				Typ	e 5 Rada	r Wavefo	orm 15			
lum of Burs	sts = 14			- 71			<u> </u>			
	rval (us)= 8571	143	ai :	DIII.	D 1 1	P.1 0			G B .	F 1 F .
Burst #	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse Pri(us		Start Burst Interval(us)	End Burst Interval(us)
1	3087	1	5	75	1268	0	0	3087	0	857142
2	1120346	1	5	55	1420	0	0	1124701	857143	1714285
3	1147857	2	5	70	1214	1206	0	2273978	1714286	2571428
4	1136143	3	5	90	1344	1693	1444	3412541	2571429	3428571
5	380202	2	5	55	1009	1122	0	3797224	3428572	4285714
6	1177962	2	5	70	1731	1374	0	4977317	4285715	5142857
7	165727	3	5	75	1775	1899	1641	5146149	5142858	6000000
8	1542561	2	5	55	1740	1725	0	6694025	6000001	6857143
9	243227	1	5	90	1131	0	0	6940717	6857144	7714286
10	870808	3	5	65	1204	1085	1781	7812656	7714287	8571429
11	1100563	2	5	95	1181	1901	0	8917289	8571430	9428572
12	535229	1	5	90	1289	0	0	9455600	9428573	10285715
13	1564917	2	5	95	1927	1175	0	11021806	10285716	11142858
14	556120	2	5	50	1412	1235	0	11581028	11142859	12000001
otal numbe	er of pulses in	n waveform =	27							
				Тур	e 5 Rada	r Wavefo	orm_16			
Num of Burs Burst Inter	ts = 19 val (us)= 631579	9								
Burst #	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)			tart Loc Start Bu us) Interval		15)
1	499118 555078	3	17	75	1214			499118 0	631578	
2	289139	2	17	80	1644			1058420 631579	1263157	
3	575834	2	17 17	55 100	1531 1375			1351199 1263158 1930130 1894737	1894736 2526315	
4	960676	2	17	80	1069			2892181 2526316	3157894	
	264083	2	17	85	1420			3158903 3157895	3789473	
5 6	700923	1	17	85	1607			3863116 3789474	4421052	
5 6 7	700923 1088767			90	1639			4953490 4421053 5128930 5052632	5052631 5684210	
5 6 7 8		1	17 17	75			-		2004510	
5 6 7 8 9	1088767 173801 1173697	1 1 3	17 17 17	75 65	1956 1570	1926	1511	6304583 5684211	6315789	
5 6 7 8 9	1088767 173801 1173697 106248	1	17			1926		6304583 5684211 6415838 6315790	6315789 6947368	
5 6 7 8 9 10 11	1088767 173801 1173697 106248 848810	1 3 1 2	17 17 17 17	65 75 100	1570 1593 1586	1926 0 1027	0	6415838 6315790 7266241 6947369	6947368 7578947	
5 6 7 8 9 10 11 12	1088767 173801 1173697 106248	1 3 1 2 3	17 17 17 17	65 75 100 100	1570 1593 1586 1699	1926 0 1027 1191	0 0 1378	6415838 6315790 7266241 6947369 7901979 7578948	6947368 7578947 8210526	
5 6 7 8 9 10 11 12 13	1088767 173801 1173697 106248 848810 633125 432980 541693	1 3 1 2	17 17 17 17 17	65 75 100	1570 1593 1586 1699 1369	1926 0 1027 1191 1194	0 0 1378 1394	6415838 6315790 7266241 6947369 7901979 7578948 8339227 8210527	6947368 7578947 8210526 8842105	
4 5 6 7 8 9 10 11 12 13 14 15 16	1088767 173801 1173697 106248 848810 633125 432980 541693 636838	1 3 1 2 3 3	17 17 17 17	65 75 100 100 90	1570 1593 1586 1699	1926 0 1027 1191 1194	0 0 1378 1394 0	6415838 6315790 7266241 6947369 7901979 7578948	6947368 7578947 8210526	
5 6 7 8 9 10 11 12 13 14	1088767 173801 1173697 106248 848810 633125 432980 541693	1 3 1 2 3 3	17 17 17 17 17 17	65 75 100 100 90 80	1570 1593 1586 1699 1369 1090	1926 O 1027 1191 1194	0 0 1378 1394 0 1618	6415838 6315790 7266241 6947369 7901979 7578948 8339227 8210527 8884877 8842106	6947368 7578947 8210526 8842105 9473684 10105263	

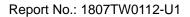
FCC ID: 2AD8UFZCWO4A1 Page Number: 71 of 114 IC: 109D-FZCWO4A1





				Тур	e 5 Rada	r Wavef	orm_17			
of Burs	sts = 15 rval (us)= 8000	200								
t	Off Time	#	Chirp (MHz)	PW	Pulse 1	Pulse 2	Pulse 3	Ştart Loc	Start Burst	
	(us) 598833	Pulses		(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us	
	696019	3	6	90	1901	1618	1136	598833	0	799999
	836618	3	6	70	1681	1795	1611	1299507	800000	1599999
	549027	2	6	55	1926	1218	0	2141212	1600000	2399999
	1278015	3	6	55	1409	1929	1943	2693383	2400000	3199999
	529179	1	6	75	1250	0	0	3976679	3200000	3999999
	562193	3	6	70	1875	1368	1864	4507108	4000000	4799999
	736403	3	6	65	1251	1420	1719	5074408	4800000	5599999
	651274	1	6	75	1252	0	0	5815201	5600000	6399999
	1065587	2	6	50	1958	1759	0	6467727	6400000	7199999
	1165671	3	6	60	1629	1228	1598	7537031	7200000	7999999
	476352	3	6	55	1530	1326	1218	8707157	8000000	8799999
	878682	1	6	50	1426	0	0	9187583	8800000	9599999
	1112554	3	6	85	1135	1427	1908	10067691	9600000	10399999
	749054	2	6	75	1512	1277	0	11184715	10400000	11199999
m 1	r49054 er of pulses ir	3	6	55	1916	1786	1678	11936558	11200000	11999999
numbe	er or purses in	1 Waverorm -				teoleoleole				
				Тур	e 5 Rada	r Wavef	orm_18			
f Burs	ts = 20 val (us)= 60000									
inter	Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc St	art Burst End E	durst
	(us) 486080	Pulses 2	(MHz) 8	(us) 95	Pri(us) 1183	Pri(us) 1225	Pri(us)	(us) In 486080 0	terval (us) Inter 5999	val (us)
	299118	2	8	100	1431	1751	0		00000 1199	
	910928	1	8	75	1239	0	0		200000 1799	
	522779 350439	2	8	65	1761	1157	0	2225734 18	800000 2399	
	770414	3	8	55	1804	1847	1567		400000 2999	
	651605	1 2	8	65 65	1574 1566	0 1810	0		000000 3599 600000 4199	
	748503	3	8	75	1461	1412	1382		200000 4199	
	592763	1	8	100	1111	0	0		800000 5399	
	198077 491128	1	8	50	1854	0	0		400000 5999	
	908539	2	8	70	1826	1070	0		000000 6599	
	729067	3	8	65 55	1038 1414	0 1233	0 1629		600000 7199 200000 7799	
	426394	1	8	50	1299	0	0		800000 8399	
	445763 773805	2	8	65	1108	1542	0	8568241 8	400000 8999	9999
	773805 343935	3	8	60	1003	1644	1992		000000 9599	
	573845	2	8	60	1534	1872	0			99999
	1093027	3	8	50 95	1360 1050	1784 1064	0			9999
	591147	3	8	55	1453	1064 1595	1099			9999
numbe	or of pulses in	waveform = 40	+	**************						-
				Тур	e 5 Rada	r Wavef	orm_19			
	sts = 11 rval (us)= 109	0909								
	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse ? Pri(us)			c Start Burs Interval(	
	648598	2	9	100	1088	1457	0	648598	0	1090908
	1409898									
	1007659	3	9	85	1051	1620	1329	2061041	1090909	2181817
		1	9	100	1378	0	0	3072700	2181818	3272726
	971021	1	9	60	1319	0	0	4045099	3272727	4363635
	1338699									
	358974	1	9	100	1654	0	0	5385117	4363636	5454544
		3	9	50	1935	1509	1411	5745745	5454545	6545453
	1738058	3	9	85	1218	1920	1706	7488658	6545454	7636362
	273291									
	1750258	1	9	60	1032	0	0	7766793		8727271
		3	9	65	1224	1004	1893	9518083	8727272	9818180
	829039	1	9	70	1420	0	0	1035124	3 9818181	10909089
	814270	3	9	90	1708	1269	1703	1116693	3 10909090	11999998

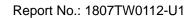
Page Number: 72 of 114 FCC ID: 2AD8UFZCWO4A1





				Type	5 Radar	Wavefor	m_20			
	rsts = 12 erval (us)= 1000	0000								
rst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Lo		
	(us) 898906	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (	
	528227	2	18	70	1488	1317	0	898906	0	999999
	1476753	1	18	75	1659	0	0	1429938		1999999
3	1000311	2	18	70	1520	1569	0	2908350		2999999
	766554	2	18	85	1179	1975	0	3911750		3999999
	915953	2	18	90	1312	1878	0	4681458	4000000	4999999
	969550	3	18	80	1034	1073	1385	5600601	5000000	5999999
	563154	1	18	80	1164	0	0	6573643	6000000	6999999
1	1486365	2	18	60	1916	1750	0	7137961	7000000	7999999
	1231729	3	18	65	1104	1753	1798	8627992	8000000	8999999
0		2	18	100	1119	1522	0	9864376	9000000	9999999
1	150029	3	18	85	1340	1451	1175	1001704	16 10000000	10999999
2	1193437	3	18	75	1162	1038	1814	1121444	19 11000000	11999999
tal numb ******	er of pulses ir	n waveform = ********	26 ********	*****	*******	c**				
				Туре	5 Radar	Wavefor	m_21			
ım of Bur:	sts = 18 rval (us)= 66666	37								
ırst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst E Interval(us) I	nd Burst nterval(us)
1	(us) 375298	ruises 2	(MHZ)	100	1054	1596	0	375298		666666 666666
	377721 1208685	1	5	55	1015	0	0	755669	666667	1333333
	273785	1	5	65	1233	0	0	1965369		2000000
	799577	2	5 5	75 65	1330 1525	1883 1901	o 1879	2240387 3043177		2666667 3333334
	688150	3	5	75	1082	1539	1841	3736632		4000001
	385945 553501	1	5	60	1294	0	0	4127039	4000002	4666668
	655835	1	5	90	1457	0	0	4681834		5333335
•	976471	1 3	5 5	70 55	1529 1422	0 1146	0	5339126 6317126		6000002 6666669
10 11	642101	1	5	60	1291	0	0	6962809		7333336
.2	861334 566965	3	5	65	1329	1629	1705	7825434	7333337	8000003
13	361839	1	5	75	1712	0	0	8397062		8666670
14 15	830351	2	5 5	60 70	1222 1722	0 1792	0	8760613 9592186		9333337 10000004
16	988271	2	5	75	1058	1099	0	10583971		10666671
17	706357	3	5	55	1174	1777	1146	11292485		11333338
18 otal numb <del> </del>	244553 er of pulses in	2 waveform = 33	5 3 <del> </del>	50	1564	1218	0	11541135	11333339	12000005
				Туре	5 Radar	Wavefor	m_22			
um of Bur urst Inte	rsts = 9 rval (us)= 1333	333								
ırst	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)
	(us) 155841									
	2302268	2	12	95	1752	1677	0	155841	0	1333332
		1	12	55	1743	0	0	2461538	1333333	2666665
	350825	1	12	75	1425	0	0	2814106	2666666	3999998
	1323103									
	1549497	1	12	100	1920	0	0	4138634	3999999	5333331
;		1	12	80	1227	0	0	5690051	5333332	6666664
5	1397017	3	12	85	1974	1755	1774	7088295	6666665	7999997
	1916496									
,	802433	3	12	65	1110	1297	1355	9010294	7999998	9333330
		2	12	85	1359	1141	0	9816489	9333331	10666663
3										
	1373869	1	12	95	1113	0	0	11192858	10666664	11999996

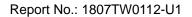
Page Number: 73 of 114 FCC ID: 2AD8UFZCWO4A1





				Тур	e 5 Rada	r Wavef	form_23			
a of Bur	sts = 19 rval (us)= 6315	179								
rst	Off Time	# 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)
	238345	3	8	90	1139	1566	1172	238345	0	631578
	412010	2	8	65	1098	1493	0	654232	631579	1263157
	858911 617528	2	8	95	1939	1401	0	1515734	1263158	1894736
	450482	1	8	95	1723	0	0	2136602	1894737	2526315
	710172	3	8	65	1873	1069	1046	2588807	2526316	3157894
	1049119	3	8	60	1992	1376	1200	3302967 4356654	3157895	3789473 4421052
	599523	1	8	100 80	1028 1257	0	0	4356654 4957205	3789474 4421053	4421052 5052631
	537757	3	8	50	1290	1349	1108	5496219	5052632	5684210
,	276922	1	8	75	1552	0	0	5776888	5684211	6315789
	633892	1	8	95	1579	0	0	6412332	6315790	6947368
	972605 575032	2	8	85	1830	1557	0	7386516	6947369	7578947
	447183	1	8	70	1107	0	0	7964935	7578948	8210526
1	643014	1	8	90	1336	0	0	8413225	8210527	8842105
5	554431	2	8	80	1534	1893	0	9057575	8842106	9473684
7	755722	2	8	70 80	1678 1800	1092	0	9615433 10373925	9473685 10105264	10105263 10736842
	788538	2	8	80	1681	1940	0	11164263	10736843	11368421
	353204	1	8	80	1/199	0	0	11521088	11368422	12000000
al numb	er of pulses ir	waveform = 3	<del>101010101010101010</del>		<del></del>	*				
				Тур	e 5 Rada	r Wavef	form_24			
of Burs	sts = 18 rval (us)= 6666	57								
st	Off Time	# Pulses	Chirp (MHz)	PW	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)		End Burst
	(us) 379739	Pulses 1	(MHZ) 18	(us) 75	1699	Pri(us)	O (us)	(us) 379739	Interval (us)	Interval (us) 666666
	381193	2	18	65	1347	1560	0	762631	666667	1333333
	735910	1	18	60	1770	0	0	1501448	1333334	2000000
	759757	2	18	55	1598	1069	0	2262975	2000001	2666667
	996980	2	18	65	1038	1804	0	3262622	2666668	3333334
	332339	1	18	95	1992	0	0	3597803	3333335	4000001
	795378	2	18	70	1186	1518	0	4395173	4000002	4666668
	835751	2	18	70	1736	1380	0	5233628	4666669	5333335
	302675 726316	1	18	60	1138	0	0	5539419	5333336	6000002
	710931	1	18	70	1380	0	0	6266873	6000003	6666669
	979208	3	18	95	1898	1734	1269	6979184	6666670	7333336
	162845	2	18	70	1322	1120	0	7963293	7333337	8000003
	566737	2	18	70	1252	1997	0	8128580	8000004	8666670
	888905	2	18	60	1182	1605	0	8698566	8666671	9333337
	954307	3	18 18	65 85	1462 1864	0 1144	0	9590258 10546027	9333338	10000004
	303545	3	18	60		1763	1497	10846027	10666672	11333338
	1031287	2	18	75	1319 1068	1842	0	11890437	113333339	12000005
al numbe	er of pulses in	waveform = 33	3		*****	1042	0	11890431	11333339	12000000
				Tyn	e 5 Rada	r Wayof	form 25			
of Bur	sts = 10			тур	e J Naua	i wavei	01111_23			
st Inte	rval (us)= 120									
rst	Off Time (us) 620006	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)		Start L (us)	oc Start l Interv	Burst End Burst al(us) Interval(us)
		2	9	60	1951	1353	0	620006	0	1199999
	1768284									
	306372	1	9	50	1699	0	0	239159	4 12000	00 2399999
		3	9	95	1352	1197	1653	269966	5 24000	3599999
	1902606	3	9	85	1851	1049	1870	460647	3 36000	00 4799999
	551180	J	a	65	1001	1049	1910	400041		20 #12222
		2	9	95	1269	1193	0	516242	3 48000	5999999
	1778874	3	9	95	1504	1478	1850	694375	9 60000	00 7199999
	1187699									
		3	9	55	1858	1894	1989	813629	0 72000	00 8399999
		1	9	90	1647	0	0	944346	4 84000	00 9599999
	1301433			~~	1011	~	~	211010	_ 01000	
	252389	1								
		1	9	50	1622	0	0	969750	0 96000	00 10799999

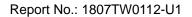
Page Number: 74 of 114 FCC ID: 2AD8UFZCWO4A1





				Type	5 Radar V	Vaveforr	n_26			
	rsts = 8 erval (us)= 1500	2000								
st Inco	Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 1431301	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	1118702	1	17	55	1279	0	0	1431301	0	1499999
		1	17	85	1671	0	0	2551282	1500000	2999999
	852117	2	17	95	1586	1598	0	3405070	3000000	4499999
	1979786	2	17	70	1658	1833	0	5388040	4500000	5999999
	1469948	2	17	95	1056	1633	0	6861479	6000000	7499999
	900457		17	80	1335	0	0	7764625	7500000	8999999
	2153057	1					·			
	1301281	1	17	75	1918	0	0	9919017	9000000	10499999
al numb	per of pulses in	2 waveform = 1	17	50	1591	1346	0	11222216	10500000	11999999
						kok				
				Type	5 Radar V	Vaveforr	n_27			
	rsts = 11	2000					_			
st Inte st	erval (us)= 109 Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 789094	Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	
	1243180	1	6	80	1935	0	0	789094	0	1090908
	742878	2	6	90	1000	1595	0	2034209	1090909	2181817
	1471452	3	6	55 0F	1565	0 1268	0 1313	2779682 4252699	2181818	3272726
	644777	1	6	95 65	1148 1174	0	0	4252699	3272727 4363636	4363635 5454544
	835590	2	6	65	1349	1768	0	5737969	5454545	6545453
	1549826	2	6	80	1077	1333	0	7290912	6545454	7636362
	682723	3	6	80	1390	1373	1004	7976045	7636363	8727271
	1048678	3	6	50	1250	1182	1223	9028490	8727272	9818180
	1570473	2	6	80	1340	1474	0	10602618	9818181	10909089
	838919	2	6	95	1920	1206	0	11444351	10909090	11999998
	ber of pulses in			*****	********	**				
				Turne	E Dader V	Novefore	- 20			
				туре	5 Radar V	vaveiori	11_20			
_£ D	erval (us)= 133									
	OCC T:	# 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)
t Inte	Off Time (us) 656193					1555	1952	656183	0	1333332
t Inte	(us) 656183	3	10	70	1664	1000				
t Inte	(us) 656183 1656013	3	10 10	70 70	1664 1078	1857	1217	2317367	1333333	2666665
t Inte	(us) 656183 1656013 1341474						1217 0	2317367 3662993	1333333 2666666	2666665 3999998
t Inte	(us) 656183 1656013	3 1	10 10	70 100	1078 1306	1857 0	0	3662993	2666666	3999998
t Inte	(us) 656183 1656013 1341474	3 1 3	10 10 10	70 100 60	1078 1306 1216	1857 0 1893	0 1514	3662993 4507742	2666666 3999999	3999998 5333331
t Inte	(us) 656183 1656013 1341474 843443	3 1 3 2	10 10 10 10	70 100 60 50	1078 1306 1216 1154	1857 0 1893 1682	0 1514 0	3662993 4507742 5870132	2666666 3999999 5333332	3999998 5333331 6666664
t Inte	(us) 656183 1656013 1341474 843443	3 1 3 2 3	10 10 10 10 10	70 100 60 50 65	1078 1306 1216 1154 1185	1857 0 1893 1682 1796	0 1514 0 1807	3662993 4507742 5870132 6913789	2666666 3999999 5333332 6666665	3999998 5333331 6666664 7999997
t Inte	(us) 656183 1656013 1341474 843443 1357767	3 1 3 2 3 3	10 10 10 10 10	70 100 60 50 65 85	1078 1306 1216 1154 1185 1291	1857 0 1893 1682 1796 1095	0 1514 0 1807 1870	3662993 4507742 5870132 6913789 8900292	2666666 399999 5333332 6666665 7999998	399998 5333331 6666664 7999997 9333330
of Bur	(us) 656183 1656013 1341474 843443 1357767 1040821 1981715	3 1 3 2 3	10 10 10 10 10	70 100 60 50 65	1078 1306 1216 1154 1185	1857 0 1893 1682 1796	0 1514 0 1807	3662993 4507742 5870132 6913789	2666666 3999999 5333332 6666665	3999998 5333331 6666664 7999997

FCC ID: 2AD8UFZCWO4A1 Page Number: 75 of 114





Type 5 Radar Waveform_29										
	sts = 10 rval (us)= 1200	000								
urst	Off Time (us) 897801	# 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	1233212	3	19	80	1167	1245	1341	897801	0	1199999
2	1020754	2	19	60	1425	1796	0	2134766	1200000	2399999
3	1502083	3	19	85	1438	1289	1075	3158741	2400000	3599999
1	740067	2	19	100	1026	1574	0	4664626	3600000	4799999
5	1048848	3	19	85	1903	1956	1587	5407293	4800000	5999999
5	1324779	3	19	70	1520	1793	1570	6461587	6000000	7199999
7	1667180	3	19	55	1449	1542	1523	7791249	7200000	8399999
3	736798	3	19	95	1875	1060	1648	9462943	8400000	9599999
9	1428723	3	19	50	1786	1772	1488	10204324	9600000	10799999
				65	1272	1434	0	11638093	10800000	11999999
otal numb	er of pulses in			***************************************		**	·	1100000	1000000	
otal numb	er of pulses in	waveform = 2	27	***************************************		**	·	1233300	1000000	
**************************************	er of pulses in	waveform = 2	27	***************************************		**	·	133333	1000000	
otal numb um of Bur urst Inte	rets = 8 rval (us) = 1500 Off Time (us)	waveform = 2	27	***************************************		**	·	Start Loc (us)	Start Burst Interval (us)	End Burst Interval (us)
otal numb	rsts = 8 rval (us)= 1500 Off Time (us) 1383121	waveform = 2 ***********************************	27 **************  Chirp	**************************************	5 Radar W	** Vaveform  Pulse 2	1_ <b>30</b> Pulse 3	Start Loc	Start Burst	End Burst
otal number**********  um of Bur urst Inte	rets = 8 rval (us) = 1500 Off Time (us)	waveform = 2 ***********************************	Pr	Type \$	Pulse 1 Pri (us)	**  Vaveform  Pulse 2 Pri (us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
otal numb  *********  um of Bur  urst Inte  urst  1	rsts = 8 rval (us)= 1500 Off Time (us) 1383121	######################################	Chirp (MHz)  14	Type &	Pulse 1 Pri (us) 1675 1554	Pulse 2 Pri(us) 1700 1453	Pulse 3 Pri(us) 0	Start Loc (us) 1383121 2039796	Start Burst Interval(us) 0 1500000	End Burst Interval (us) 1499999 29999999
um of Bur um of Bur urst Inte urst	er of pulses in ************  ests = 8  rval (us)= 1500  Off Time (us)  1383121  653300	. waveform = 2 ***********************************	Chirp (MHz) 14 14	PW (us) 65 55 50	Pulse 1 Pri (us) 1675 1554 1688	Pulse 2 Pri(us) 1700 1453 1404	Pulse 3 Pri(us) 0 0	Start Loc (us) 1383121 2039796 3497749	Start Burst Interval (us) 0 1500000 3000000	End Burst Interval(us) 1499999 2999999 4499999
um of Bur urst Inte urst	rsts = 8 rval (us)= 1500 Off Time (us) 1383121 653300 1454946	######################################	Chirp (MHz) 14 14 14 14	Type \$  PW (us) 65 55 50 65	Fulse 1 Pri (us) 1675 1554 1688 1013	Pulse 2 Pri (us) 1700 1453 1404 1165	Pulse 3 Pri(us) 0 0	Start Loc (us) 1383121 2039796 3497749 5561355	Start Burst Interval (us) 0 1500000 3000000 4500000	End Burst Interval (us) 1499999 2999999 4499999 59999999
um of Bur urst Inte urst	er of pulses in ***********************************	. waveform = 2 ***********************************	Chirp (MHz) 14 14	PW (us) 65 55 50	Pulse 1 Pri (us) 1675 1554 1688	Pulse 2 Pri(us) 1700 1453 1404	Pulse 3 Pri(us) 0 0	Start Loc (us) 1383121 2039796 3497749	Start Burst Interval (us) 0 1500000 3000000	End Burst Interval(us) 1499999 2999999 4499999
otal numb *********  um of Bur urst Inte urst	rsts = 8 rval (us)= 1500 Off Time (us) 1383121 653300 1454946 2060514 1693588 288452	######################################	Chirp (MHz) 14 14 14 14	Type \$  PW (us) 65 55 50 65	Fulse 1 Pri (us) 1675 1554 1688 1013	Pulse 2 Pri (us) 1700 1453 1404 1165	Pulse 3 Pri(us) 0 0	Start Loc (us) 1383121 2039796 3497749 5561355	Start Burst Interval (us) 0 1500000 3000000 4500000	End Burst Interval (us) 1499999 2999999 4499999 59999999
um of Bur urst Inte	rsts = 8 rrval (us) = 1500 Off Time (us) 1383121 653300 1454946 2060514 1693588	######################################	Chirp (MHz) 14 14 14 14 14	PW (us) 65 50 65 100	Pulse 1 Pri (us) 1675 1554 1688 1013 1235	Pulse 2 Pri(us) 1700 1453 1404 1165 1868	Pulse 3 Pri(us) 0 0 0 0	Start Loc (us) 1383121 2039796 3497749 5561355 7257121	Start Burst Interval (us) 0 1500000 3000000 4500000 6000000	End Burst Interval (us) 1499999 2999999 4499999 5999999 7499999



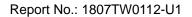


Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5492	1	16	5510	1
2	5492	1	17	5510	1
3	5492	1	18	5510	1
4	5492	1	19	5512	1
5	5500	1	20	5512	1
6	5500	1	21	5512	1
7	5500	1	22	5512	1
8	5500	1	23	5520	1
9	5508	1	24	5520	1
10	5508	1	25	5520	1
11	5508	1	26	5520	1
12	5508	1	27	5528	1
13	5510	1	28	5528	1
14	5510	1	29	5528	1
15	5510	1	30	5528	1
	Det	ection Percentage	(%)		100%

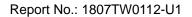
FCC ID: 2AD8UFZCWO4A1 Page Number: 77 of 114

IC: 109D-FZCWO4A1



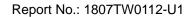


F	Radar waveform #	1	Radar waveform #2			
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
5	5475	15	7	5507	21	
6	5518	18	10	5464	30	
20	5473	60	11	5487	33	
22	5496	66	21	5477	63	
29	5469	87	23	5512	69	
34	5462	102	41	5494	123	
38	5494	114	42	5506	126	
40	5482	120	46	5495	138	
42	5519	126	52	5514	156	
50	5516	150	58	5500	174	
79	5521	237	66	5503	198	
80	5479	240	75	5480	225	
89	5487	267	77	5513	231	
90	5495	270	78	5504	234	
92	5513	276	81	5493	243	
			98	5516	294	





i	Radar waveform #	3	F	Radar waveform #	4
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5474	6	10	5472	30
6	5493	18	19	5474	57
24	5514	72	22	5504	66
26	5502	78	30	5513	90
29	5484	87	39	5470	117
35	5469	105	42	5471	126
41	5511	123	46	5491	138
92	5505	276	50	5468	150
98	5483	294	54	5519	162
			69	5495	207
			71	5505	213
			74	5503	222
			75	5466	225
			76	5506	228
			78	5497	234
			79	5483	237
			85	5484	255
			90	5477	270
			93	5475	279





F	Radar waveform #	5	F	Radar waveform #	6
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
2	5519	6	7	5474	21
4	5509	12	15	5498	45
6	5501	18	20	5526	60
11	5484	33	24	5522	72
29	5514	87	31	5493	93
47	5492	141	48	5519	144
52	5507	156	78	5524	234
53	5472	159	89	5476	267
56	5522	168			
63	5500	189			
66	5482	198			
82	5470	246			
91	5511	273			

F	Radar waveform #	7	Radar waveform #8			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
2	5492	6	5	5489	15	
5	5487	15	8	5491	24	
12	5486	36	11	5509	33	
20	5474	60	18	5521	54	
29	5493	87	37	5492	111	
32	5472	96	40	5477	120	
41	5479	123	47	5527	141	
51	5499	153	54	5517	162	
65	5514	195	57	5520	171	
87	5509	261	62	5471	186	
93	5491	279	63	5515	189	
98	5516	294	64	5505	192	
99	5475	297	69	5486	207	
			75	5526	225	
			80	5529	240	
			81	5516	243	





F	Radar waveform #	9	R	adar waveform #1	10
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
22	5511	66	7	5483	21
27	5485	81	10	5502	30
39	5510	117	16	5492	48
43	5528	129	17	5538	51
47	5520	141	21	5513	63
49	5523	147	30	5486	90
63	5497	189	41	5480	123
86	5486	258	52	5501	156
87	5536	261	64	5510	192
91	5501	273	65	5512	195
92	5479	276	69	5517	207
			71	5493	213
			78	5518	234
			80	5509	240
			82	5529	246
			83	5484	249
			89	5534	267
			96	5523	288

R	adar waveform #1	11	Radar waveform #12			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
16	5515	48	21	5516	63	
50	5480	150	30	5510	90	
71	5490	213	41	5501	123	
89	5511	267	65	5495	195	
97	5522	291	68	5485	204	
			72	5481	216	
			81	5538	243	
			87	5511	261	
			91	5530	273	
			93	5521	279	





R	adar waveform #1	13	R	adar waveform #	14
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
4	5482	12	15	5499	45
23	5529	69	16	5496	48
29	5485	87	21	5523	63
32	5531	96	41	5498	123
38	5486	114	54	5490	162
41	5534	123	58	5528	174
42	5501	126	60	5488	180
59	5502	177	65	5517	195
70	5527	210	77	5506	231
74	5518	222	79	5538	237
76	5532	228			
99	5514	297			

R	adar waveform #1	15	Radar waveform #16		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
16	5531	48	3	5531	9
18	5483	54	7	5490	21
32	5528	96	13	5535	39
45	5490	135	14	5529	42
48	5527	144	32	5532	96
64	5498	192	34	5491	102
70	5510	210	36	5508	108
82	5489	246	38	5501	114
87	5514	261	39	5482	117
92	5523	276	43	5492	129
			46	5540	138
			52	5512	156
			58	5534	174
			66	5488	198
			80	5496	240
			86	5483	258





R	Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
1	5505	3	11	5505	33	
4	5497	12	12	5499	36	
6	5502	18	20	5508	60	
15	5482	45	33	5511	99	
25	5537	75	34	5481	102	
54	5508	162	39	5534	117	
60	5488	180	43	5484	129	
65	5535	195	58	5514	174	
71	5510	213	75	5488	225	
75	5522	225	77	5528	231	
86	5512	258	96	5494	288	
89	5504	267				
94	5499	282				

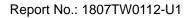
R	Radar waveform #19			Radar waveform #20		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
0	5541	0	11	5507	33	
20	5521	60	21	5520	63	
21	5514	63	27	5499	81	
40	5490	120	30	5494	90	
43	5512	129	55	5503	165	
52	5539	156	67	5524	201	
68	5523	204	82	5525	246	
72	5500	216	86	5489	258	
84	5533	252	92	5526	276	
91	5510	273	95	5513	285	
98	5524	294				





R	Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
27	5533	81	7	5512	21	
34	5515	102	12	5485	36	
48	5482	144	23	5506	69	
52	5518	156	26	5498	78	
57	5508	171	33	5511	99	
59	5502	177	34	5497	102	
62	5524	186	44	5532	132	
66	5501	198	52	5503	156	
80	5509	240	53	5496	159	
97	5537	291	56	5509	168	
			59	5514	177	
			60	5491	180	
			71	5489	213	

Radar waveform #23			Radar waveform #24		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
25	5534	75	17	5517	51
34	5530	102	21	5496	63
42	5499	126	22	5498	66
52	5520	156	36	5538	108
59	5514	177	37	5508	111
66	5501	198	56	5504	168
84	5532	252	64	5519	192
96	5490	288	69	5545	207
			71	5510	213
			98	5515	294





R	Radar waveform #25			Radar waveform #26		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
20	5537	60	2	5508	6	
24	5514	72	31	5493	93	
29	5519	87	34	5540	102	
72	5531	216	63	5511	189	
75	5513	225	64	5541	192	
87	5535	261	67	5515	201	
96	5495	288	81	5533	243	
			83	5497	249	
			92	5544	276	
			93	5525	279	

R	adar waveform #2	27	Radar waveform #28			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
10	5498	30	1	5529	3	
13	5540	39	5	5508	15	
21	5518	63	6	5555	18	
31	5546	93	13	5505	39	
36	5523	108	17	5539	51	
41	5552	123	35	5550	105	
51	5513	153	38	5552	114	
65	5535	195	39	5532	117	
74	5524	222	44	5535	132	
78	5557	234	45	5534	135	
82	5533	246	47	5538	141	
86	5536	258	53	5519	159	
93	5514	279	56	5520	168	
98	5515	294	60	5499	180	
99	5528	297	90	5544	270	
			96	5510	288	





R	Radar waveform #29			Radar waveform #30		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
3	5513	9	3	5509	9	
10	5507	30	6	5503	18	
25	5516	75	12	5514	36	
41	5530	123	13	5556	39	
65	5533	195	14	5517	42	
69	5547	207	18	5547	54	
75	5526	225	24	5524	72	
88	5557	264	34	5538	102	
89	5535	267	38	5501	114	
			42	5529	126	
			49	5552	147	
			55	5499	165	
			61	5511	183	
			75	5533	225	
			76	5516	228	
			80	5528	240	
			94	5554	282	





## Radar Statistical Performance for 802.11ac-VHT80

Radar Type 1 - Radar Statistical Performance

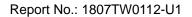
Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5492	1	918	58	1
2	5492	1	618	86	1
3	5500	1	938	57	1
4	5500	1	698	76	1
5	5508	1	598	89	1
6	5508	1	898	59	1
7	5510	1	858	62	1
8	5510	1	878	61	1
9	5512	1	778	68	1
10	5512	1	838	63	1
11	5520	1	578	92	1
12	5520	1	678	78	1
13	5528	1	658	81	1
14	5528	1	638	83	1
15	5530	1	718	74	1
16	5530	1	1592	34	1
17	5532	1	2861	19	1
18	5532	1	1298	41	1
19	5540	1	1698	32	1
20	5540	1	1528	35	1
21	5548	1	1325	40	1
22	5548	1	2687	20	1
23	5550	1	1686	32	1
24	5550	1	1355	39	1
25	5552	1	781	68	1
26	5552	1	2813	19	1
27	5560	1	2634	21	1
28	5560	1	1616	33	1
29	5568	1	2974	18	1
30	5568	1	1711	31	1
	Det	ection Percentage	(%)		100%





Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5492	1.5	165	27	1
2	5492	3.4	168	28	1
3	5500	3.6	163	26	1
4	5500	2.2	228	29	1
5	5508	4.2	213	29	1
6	5508	4.0	222	24	1
7	5510	2.8	175	23	1
8	5510	2.1	208	25	1
9	5512	2.7	167	25	1
10	5512	4.5	226	26	1
11	5520	4.4	214	26	1
12	5520	3.5	187	26	1
13	5528	4.1	163	26	1
14	5528	4.9	154	28	1
15	5530	1.1	181	29	1
16	5530	4.6	156	23	1
17	5532	1.0	197	25	1
18	5532	3.8	183	28	1
19	5540	1.5	218	23	1
20	5540	1.0	223	29	1
21	5548	1.4	179	26	1
22	5548	1.9	184	28	1
23	5550	2.3	220	23	1
24	5550	2.7	166	24	1
25	5552	1.5	184	28	1
26	5552	3.5	224	23	1
27	5560	1.4	184	25	1
28	5560	4.6	193	27	1
29	5568	2.8	176	24	1
30	5568	1.9	171	24	1
	Det	ection Percentage	(%)		100%





Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5492	6.0	311	16	1
2	5492	7.7	355	18	1
3	5500	6.1	289	16	1
4	5500	8.6	382	17	1
5	5508	7.4	316	17	1
6	5508	7.5	410	17	1
7	5510	9.8	445	16	1
8	5510	7.5	484	16	1
9	5512	8.8	362	16	1
10	5512	9.9	358	16	1
11	5520	6.2	341	17	1
12	5520	8.3	376	18	1
13	5528	7.4	265	17	1
14	5528	7.7	305	16	1
15	5530	9.8	345	18	1
16	5530	8.3	408	17	1
17	5532	8.4	492	17	1
18	5532	7.4	420	18	1
19	5540	6.5	338	16	1
20	5540	7.7	405	18	1
21	5548	8.4	290	16	1
22	5548	7.0	261	16	1
23	5550	8.0	396	17	1
24	5550	6.9	327	16	1
25	5552	7.0	465	18	1
26	5552	9.8	388	18	1
27	5560	9.5	486	18	1
28	5560	8.3	485	16	1
29	5568	8.8	290	18	1
30	5568	7.2	283	18	1
	Det	ection Percentage	(%)		100%



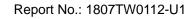
Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5492	16.0	259	14	1
2	5492	18.3	352	16	1
3	5500	13.6	369	13	1
4	5500	19.0	349	15	1
5	5508	15.7	303	15	1
6	5508	17.2	446	14	1
7	5510	11.1	367	14	1
8	5510	19.8	348	15	1
9	5512	17.4	488	13	1
10	5512	20.0	412	13	1
11	5520	12.6	498	15	1
12	5520	19.6	272	14	1
13	5528	12.1	334	16	1
14	5528	17.3	294	14	1
15	5530	17.6	349	16	1
16	5530	13.9	283	14	1
17	5532	16.7	452	13	1
18	5532	12.1	474	12	1
19	5540	14.8	488	12	1
20	5540	19.8	294	12	1
21	5548	11.4	324	13	1
22	5548	17.4	340	16	1
23	5550	16.4	274	14	1
24	5550	11.5	418	12	1
25	5552	14.3	490	13	1
26	5552	18.3	417	16	1
27	5560	15.8	381	13	1
28	5560	19.7	398	13	1
29	5568	16.2	492	12	1
30	5568	17.4	269	12	1
	Det	ection Percentage	(%)		100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows:  $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 100\% + 100\%)/4 = 100\% (>80\%)$ 

FCC ID: 2AD8UFZCWO4A1 Page Number: 90 of 114





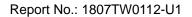
Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5496.0	1	16	5530.0	1
2	5498.8	1	17	5530.0	1
3	5494.0	1	18	5530.0	1
4	5494.4	1	19	5530.0	1
5	5495.2	1	20	5530.0	1
6	5499.6	1	21	5560.8	1
7	5495.6	1	22	5566.0	1
8	5499.2	1	23	5564.0	1
9	5497.6	1	24	5560.4	1
10	5496.8	1	25	5563.2	1
11	5530.0	1	26	5562.4	1
12	5530.0	1	27	5565.6	1
13	5530.0	1	28	5564.4	1
14	5530.0	1	29	5561.2	1
15	5530.0	1	30	5564.8	1
	Det	ection Percentage	(%)		100%

Num of Bur Burst Inte	rsts = 8 erval (us)= 1500	0000								
Burst #	Off Time (us) 100946	# 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		2	10	80	1357	1788	0	100946	0	1499999
2	1780490	2	10	75	1721	1439	0	1884581	1500000	2999999
3	1204233	1	10	100	1608	0	0	3091974	3000000	4499999
4	1824409	3	10	90	1925	1588	1093	4917991	4500000	5999999
5	1511141	1	10	60	1480	0	0	6433738	6000000	7499999
6	1955901	2	10	90	1193	1559	0	8391119	7500000	8999999
7	1436687	1	10	85	1064	0	0	9830558	9000000	10499999
8	691716	2	10	75	1787	1568	0	10523338	10500000	11999999

FCC ID: 2AD8UFZCWO4A1 Page Number: 91 of 114

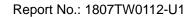
IC: 109D-FZCWO4A1





				Тур	e 5 Rada	ar Wavef	orm_2				
of Burs	sts = 19 rval (us)= 6315'	70									
rst	Off Time (us)	#	Chirp (MHz)	₽₩	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc S	Start Burst Interval(us)	End Bur Interva	st
1	50851	Pulses 1	(MHZ)	(us) 60	1231	Pri(us)	O (us)		O (Interval(us)	631578	
2	621015	3	17	100	1615	1201	1761		631579	126315	
3	702146 973195	2	17	60	1636	1902	0	1379820	1263158	189473	6
4	458416	3	17	80	1844	1072	1165	2356553	1894737	252631	
5	904661	3	17	95	1034	1312	1569		2526316	315789	
6 7	341678	3	17 17	55 60	1676 1491	1688 1293	1359 0	3727626 4074027	3157895 3789474	378947 442105	
8	790823	3	17	95	1246	1426	1232		4421053	505263	
9	241578 798838	3	17	50	1045	1817	1510	5113116	5052632	568421	0
10	825081	1	17	50	1876	0	0	5916326	5684211	631578	
11 12	761156	3	17 17	60 65	1170 1514	1395	1670 0		6315790 6947369	694736 757894	
13	169453	2	17	65	1010	1844	0		7578948	821052	
14	603355	2	17	70	1223	1344	0	8285850	8210527	884210	5
15	586234 907736	2	17	65	1479	1117	0	8874651	8842106	947368	4
16	464829	2	17	100	1472	1700	0		9473685	101052	
17 18	1011623	3	17 17	90 65	1975 1907	1705 1478	1821		10105264	107368 113684	
19	514858	3	17	80	1109	1894	1914		11368422	120000	
	er of pulses in		1		*********						
				Тур	e 5 Rada	ar Wavef	orm_3				
m of Bur	sts = 13 rval (us)= 923	077									
ırst	Off Time	#	Chirp (MHz)	PW	Pulse 1	Pulse 2	Pulse 3	Ştart Lo		Burst	End Burst
	(us) 555047	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)		val (us)	Interval (us)
1	449840	3	5	75	1344	1487	1545	555047	0		923076
		2	5	55	1126	1400	0	1009263	9230	77	1846153
	1486280	3	5	80	1835	1917	1998	2498069	1846	154	2769230
	1065216	3	5	60	1217	1872	1632	3569035	2769	231	3692307
	799833	2	5	80	1487	1126	0	4373589			4615384
	247475										
	1530758	3	5	100	1512	1025	1493	4623677			5538461
	305339	3	5	50	1354	1860	1724	6158465			6461538
3	1403924	1	5	100	1850	0	0	6468742	6461	539	7384615
9		2	5	50	1826	1642	0	7874516	7384	616	8307692
10	446531	2	5	50	1571	1923	0	8324515	8307	693	9230769
11	1250243	2	5	90	1134	1998	0	9578252	9230	770	10153846
12	844627	1	5	50	1327	0	0	1042601			11076923
13	1304805	3	5	90	1341	1454	1085	1173214			12000000
otal numb	er of pulses i	n waveform =	30		****		1000	1110214	1101		2200000
				Tvn	e 5 Rada	ar Wavef	orm 4				
m of Bur	sts = 8			- 7							
rst Inte	rval (us)= 150		au :					_	_		D 1 D
ırst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Lo (us)		Burst val(us)	End Burst Interval(us)
	550439									•	
	1910561	2	6	90	1876	1188	0	550439	0		1499999
	1510001	3	6	95	1703	1688	1310	2464064	1500	000	2999999
	1564058										
	000040	1	6	95	1164	0	0	4032823	3000	000	4499999
	825245	3	6	80	1838	1577	1502	4859232	4500	000	5999999
	1564098										
		3	6	75	1880	1063	1025	6428247	6000	000	7499999
	4.44.0000			60	1980	1510	1498	7849504	7500	000	8999999
	1417289	3	e			1010	1430	PUCCEOL	1500	000	000000
	1417289 1169568	3	6	00	1000						
	1169568	3 2	6 6	65	1685	1085	0	9024060	9000	000	10499999
i						1085 0	0	9024060 1091334			10499999 11999999

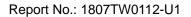
Page Number: 92 of 114 FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1





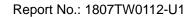
				Тур	e 5 Rada	r Wavef	orm_5			
m of Burs	ts = 17	92								
rst rst	Off Time	# Pulses	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 323616	Pulses 2	(MHz) 8	(us) 75	Pri(us) 1659	Pri(us) 1779	Pri(us)	(us) 323616	Interval (us)	Interval (us) 705881
	757523	3	8	50	1109	1154	1033	1084577	705882	1411763
	854644	1	8	80	1760	0	0	1942517	1411764	2117645
	678573	1	8	85	1207	0	0	2622850	2117646	2823527
	640331	2	8	100	1692	1880	0	3264388	2823528	3529409
	721253	3	8	75	1763	1632	1851	3989213	3529410	4235291
	770691	1	8	95	1234	0	0	4765150	4235292	4941173
	484418 559604	3	8	60	1945	1621	1026	5250802	4941174	5647055
	976942	2	8	85	1143	1423	0	5814998	5647056	6352937
•	324619	2	8	75	1161	1477	0	6794506	6352938	7058819
	663767	1	8	85	1685	0	0	7121763	7058820	7764701
:	911409	1	8	65	1501	0	0	7787215	7764702	8470583
3	546766	1	8	90	1585	0	0	8700125	8470584	9176465
	683060	3	8	100	1751	1779	1952	9248476	9176466	9882347
5	884486	2	8	60	1432	0	0	9937018	9882348	10588229
3	805040	3	8	70 75	1297 1723	1520 1928	1436	10822936 11630793	10588230 11294112	11294111 11999993
al numbe	er of pulses in	waveform = 32	2		<del>1123</del>		1430	11030153	11254112	1133333
				Tvp	e 5 Rada	r Wavef	orm 6			
m of Bur:	sts = 16			- 71-						
rst Inter rst	rval (us)= 750 Off Time	000 #	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Bur	rst End Burst
	(us) 152983	Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval	(us) Interval(us)
	1213123	1	19	75	1949	0	0	152983	0	749999
	667464	1	19	60	1597	0	0	1368055	750000	1499999
	301232	1	19	95	1082	0	0	2037116	1500000	2249999
	1091360	2	19	50	1411	1479	0	2339430	2250000	2999999
	339715	3	19	80	1309	1001	1777	3433680	3000000	3749999
	1414600	3	19	55	1603	1229	1829	3777482	3750000	4499999
	786522	1	19	95	1236	0	0	5196743	4500000	5249999
	297804	1	19	65	1024	0	0	5984501	5250000	5999999
	906091	1	19	95	1890	0	0	6283329	6000000	6749999
0		3	19	100	1877	1827	1151	7191310	6750000	7499999
L	436956	1	19	85	1684	0	0	7633121	7500000	8249999
2	760096	2	19	50	1198	1296	0	8394901	8250000	8999999
3	1217236	3	19	95	1423	1858	1170	9614631	9000000	9749999
4	871824	3	19	90	1434	1280	1852	10490906	9750000	10499999
5	134180	2	19	85	1341	1461	0	10629652	10500000	11249999
S tal numbe	1139149 er of pulses i	3 n waveform =	19 31	75	1813	1788	1338	11771603	11250000	11999999
********		ojeojeojeojeojeojeojeojeojeojeojeoje	oja		akcakcakcakcakcakcakcakcakcakcakcakcakca	opia opia opia				
				Тур	e 5 Rada	r Wavef	orm_7			
n of Burs	rval (us)= 800	1000								
rst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	: Start B Interva	
	766423	2	9	55	1231	1493	0	766423	0	799999
	780792	3	9	80	1287	1366	1597	1549939	800000	
	825528	2	9	90	1668	1952	0	2379717	160000	
	88861	2	9	100	1461	1387	0	2472198	240000	
	939853	1	9	60	1416	0	0	3414899	320000	
	675462									
	1117726	1	9	55	1741	0	0	4091777	400000	
	676493	2	9	70	1051	1933	0	5211244	480000	
	883894	3	9	95	1174	1517	1769	5890721	560000	
		3	9	85	1985	1868	1943	6779075	640000	0 7199999
	439371	3	9	85	1854	1308	1285	7217242	720000	0 7999999
)	432371 1330840	3				1226	1598	8552529	800000	0 8799999
	1330840	3	9	75	1770	1220				
	1330840 912476		9	75 60	1337	1886	0	9469599	880000	
2	1330840 912476 526156	3						9469599 9998978		0 9599999
2 3 4	1330840 912476	3 2	9	60	1337	1886	0		880000 960000	0 9599999 0 10399999

FCC ID: 2AD8UFZCWO4A1 Page Number: 93 of 114 IC: 109D-FZCWO4A1



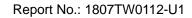


				Туре	5 Radar	Wavefor	m_8			
um of Bur urst Inte	rsts = 11 erval (us)= 109	0909								
Burst ‡	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us	End Burst ) Interval(us)
1	559464	1	18	70	1118	0	0	559464	0	1090908
2	1296643	2	18	100	1841	1112	0	1857225	1090909	2181817
3	1400660	3	18	95	1816	1494	1512	3260838	2181818	3272726
4	546350	3	18	80	1213	1850	1863	3812010	3272727	4363635
5	804186				1302			4621122		
_	906125	1	18	65		0	0		4363636	5454544
6	1815762	1	18	95	1322	0	0	5528549	5454545	6545453
7	962245	1	18	90	1575	0	0	7345633	6545454	7636362
8	432331	3	18	75	1485	1287	1165	8309453	7636363	8727271
9	1249588	1	18	95	1598	0	0	8745721	8727272	9818180
10		2	18	100	1369	1253	0	9996907	9818181	10909089
_11	1827675	3	18	95	1662	1539	1186	11827204	10909090	11999998
lotal numb	er of pulses in	n waveform = *******	21 **********	****	*****	***				
				Туре	5 Radar	Wavefor	m_9			
Num of Bur Burst Inte	rsts = 17 erval (us)= 7058	382								
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	67673	3	14	80	1452	1459	1807	67673	0	705881
2	1135807	3	14	80	1802	1183	1627	1208198	705882	1411763
3	704518 476331	2	14	60	1515	1692	0	1917328	1411764	2117645
4	488653	3	14	65	1714	1326	1498	2396866	2117646	2823527
5 6	724784	1 2	14 14	85 90	1678 1404	0 1145	0	2890057 3616519	2823528 3529410	3529409 4235291
7	1205709	1	14	60	1345	0	0	4824777	4235292	4941173
8	309919	3	14	65	1191	1064	1087	5136041	4941174	5647055
9	1052521 290850	2	14	65	1557	1995	0	6191904	5647056	6352937
10	794460	1	14	65	1829	0	0	6486306	6352938	7058819
11	1145599	2	14	70	1454	1569	0	7282595	7058820	7764701
12	277340	2	14 14	50 85	1408 1629	1011	0	8431217 8710976	7764702 8470584	8470583 9176465
14	1155932	3	14	70	1910	1684	1216	9868537	9176466	9882347
15	234948	3	14	55	1256	1274	1369	10108295	9882348	10588229
16	1023080 302313	3	14	90	1697	1986	1194	11135274	10588230	11294111
17 Total numb *****	oer of pulses ir	1 waveform = 3		60 ******	1306 *******	O ***	0	11442464	11294112	11999993
				Туре	5 Radar \	Wavefori	m_10			
Num of Bur: Burst Inte	sts = 15 rval (us)= 8000	00								
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 E Interval(us) I	ind Burst nterval(us)
1	610182	1	12	100	1136	0	0	610182		799999
2	725976	2	12	100	1832	1016	0	1337294		1599999
3	838426 844548	1	12	100	1038	0	0	2178568	1600000	2399999
4	542245	3	12	100	1131	1762	1561	3024154	2400000	3199999
5	551386	1	12	65	1198	0	0	3570853		3999999
6	761445	3	12	80	1009	1307	1139	4123437		4799999
7	1498798	2	12	55	1110	1672	0	4888337		5599999
8	51482	3	12	95	1329	1103	1921	6389917		6399999
9	1355914	2	12	75	1681	1521	0	6445752		7199999
10 11	581395	3 1	12 12	85 75	1753	1365 0	1221 0	7804868 8390602		7999999 8799999
	648571	3	12	75 50	1647 1137	1534	1504	9040820		9599999
12	1202582	1	12	95	1248	0	0	10247577		10399999
12 13										
12 13 14	384637 1164267	2	12	90	1097	1086	0	10633462		11199999





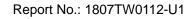
				Туре	e 5 Radar	Wavefo	rm_11			
um of Bur	sts = 15 rval (us)= 8000	000								
Burst	Off Time	#	Chirp (MHz)	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
¥	(us) 331515	Pulses		(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us	
1	565390	1	9	90	1931	0	0	331515	0	799999
2	1204363	2	9	55	1856	1103	0	898836	800000	1599999
3	901455	3	9	100	1211	1004	1388	2106158	1600000	2399999
4	910545	2	9	65	1023	1067	0	3011216	2400000	3199999
5	568545	2	9	75	1723	1556	0	3923851	3200000	3999999
6		1	9	70	1732	0	0	4495675	4000000	4799999
7	970064	3	9	80	1336	1225	1439	5467471	4800000	5599999
8	495376	2	9	100	1110	1571	0	5966847	5600000	6399999
9	644646	2	9	55	1231	1819	0	6614174	6400000	7199999
10	747003	1	9	95	1211	0	0	7364227	7200000	7999999
11	1060381	2	9	100	1128	1771	0	8425819	8000000	8799999
	750743		9							
12	471973	3		85	1146	1605	1242	9179461	8800000	9599999
13	993440	3	9	50	1175	1535	1969	9655427	9600000	10399999
14	1019900	3	9	50	1997	1135	1787	10653546	10400000	11199999
15 otal numb	er of pulses in	1 waveform = :	9	55	1718	0	0	11678365	11200000	11999999
******	****					okokok				
				Туре	e 5 Radar	Wavefo	rm_12			
Num of Bur	sts = 19 rval (us)= 6315	70								
Burst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst Er	nd Burst
#	(us) 172003	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	Start Loc (us)	Interval(us) In	nterval (us)
1	651362	2	12	85	1608	1752	0	172003		31578
3	940797	3	12	70	1972	1910	1428	826725		1263157
4	244176	1 2	12 12	65 85	1853 1934	0 1464	0	1772832 2018861		1894736 2526315
4 5	793621	2	12	70	1934	1464	0	2018861		3157894
6	960825	1	12	95	1980	0	0	3779805		3789473
7	353418	2	12	90	1805	1004	0	4135203		1421052
8	906761	1	12	60	1497	0	0	5044773		5052631
9	87286	1	12	100	1314	0	0	5133556	5052632	6684210
10	867852 455685	2	12	55	1339	1043	0	6002722	5684211 6	315789
11	1029646	1	12	65	1326	0	0	6460789	6315790	3947368
12	331062	2	12	80	1490	1809	0	7491761		7578947
13	892540	1	12	95	1961	0	0	7826122		3210526
14	712599	2	12	85	1735	1044	0	8720623		3842105
15 16	351050	2	12 12	70 85	1252 1525	1726 0	0	9436001 9790029		9473684 LO105263
16	460605	3	12	65	1525	1247	1476	10252159		10105263
18	964972	1	12	85	1042	0	0	11221401		1368421
19	738687	1	12	75	1377	0	0	11961130		12000000
	er of pulses in	waveform = 3:	1		1311	-	*	1102100		
				Туре	e 5 Radar	Wavefo	rm_13			
Num of Bur	sts = 17	200								
urst Inte: urst	rval (us)= 7058 Off Time	#	Chirp	PW (ve)	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
1	114666	Pulses	(mriz)	95	1990	O O	O (us)	114666	0	Interval (us) 705881
	1101078	1	19		1288	0		114666		1411763
2	884686	1	19	75	1330		0	1217032	705882	
3	255746	2	19	85	1097	1253	0	2103048	1411764	2117645
4	853060	2	19	90	1492	1831	0	2361144	2117646	2823527
5	497568	1	19	80	1377	0	0	3217527	2823528	3529409
6	873798	2	19	60	1473	1717	0	3716472	3529410	4235291
7	731928	2	19	90	1745	1079	0	4593460	4235292	4941173
3	841629	1	19	75	1210	0	0	5328212	4941174	5647055
9	599663	2	19	80	1562	1117	0	6171051	5647056	6352937
		3	19	65	1246	1639	1828	6773393	6352938	7058819
	571097	3	19	90	1017	1565	1647	7349203	7058820	7764701
10		2	19	80	1811	1082	0	8439630	7764702	8470583
10 11	1086198			50	1989	0	0	9025147	8470584	9176465
10 11 12	582624	1	19	50						
10 11 12 13	582624 160091	1 2	19 19	50		1417	0	9187227	9176466	9882347
10 11 12 13	582624 160091 743602	2	19	50	1923			9187227 9934169		
10 11 12 13	582624 160091					1417 1584 0	0 0 0	9187227 9934169 11083122	9176466 9882348 10588230	9882347 10588229 11294111





				Туре	e 5 Radar	Wavefo	rm_14			
	sts = 8									
	rval (us)= 1500		al ·	DIII	D.1 1	D.1 0	D 1 2	C I	C D	r in .
вt	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)
	154768	3	6	100	1805	1426	1959	154768	0	1499999
	2562708	2	6	85	1320	1979	0	2722666	1500000	2999999
	742846	2	6	55	1933	1456	0	3468811	3000000	4499999
	1483787	2	6	90	1908	1641	0	4955987	4500000	5999999
	1174757	2	6	95	1272	1442	0	6134293		
	2286133								6000000	7499999
	824790	3	6	85	1791	1874	1713	8423140	7500000	8999999
	1952417	2	6	95	1755	1361	0	9253308	9000000	10499999
l numbu	er of pulses ir	1 waveform =	6 17	100	1511	0	0	11208841	10500000	11999999
					****	kirk .				
				Tyro	e 5 Radar	Movefo	rm 15			
6 P	its = 20			турс	JiNauai	vvaveio	1111_13			
of Burs t Inter	off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst Er	nd Burst
	424030	Pulses 3	Chirp (MHz) 14	(us) 65	Pulse 1 Pri(us) 1905	Pulse 2 Pri(us) 1257	Pulse 3 Pri(us) 1319	Start Loc (us) 424030		nd Burst nterval(us) 199999
	254383 1062140	3	14	100	1254	1067	1126	682894		199999
	514452	2	14	80	1515	1554 1379	0	1748481		.79999 :39999
	339648	1	14 14	85 95	1646 1214	0	1166 0	2266002 2609841		:399999
	475640	1	14	55	1868	0	0	3086695	3000000 3	1599999
	644405 496278	1	14	60	1342	0	0	3732968	3600000 4	199999
	738250	3	14	75	1977	1000	1835	4230588		1799999
	843682	3	14	90	1170	1060	1049	4973650		399999
	228838	2	14 14	75 75	1809 1564	1253 1985	o 1895	5820611 6052511		1599999 1599999
	874533	2	14	85	1983	1132	0	6932488		199999
	783613	3	14	80	1352	1907	1453	7719216		799999
	377587	2	14	65	1097	1291	0	8101515	7800000 8	399999
	809321 451686	3	14	85	1487	1932	1533	8913224	8400000 8	1999999
	594538	2	14	85	1204	1142	0	9369862	9000000	599999
	707628	1	14	50	1182	0	0	9966746		.0199999
	315359	3	14	60	1485	1309	1415	10675556		.0799999
	690669	1	14 14	50 50	1864 1569	0	0	10995124 11687657		.1399999 .1999999
numbe	er of pulses in	waveform = 4:	3 ************************************	***********	******		ŭ .	1100/00/	1140000	.100000
				Туре	e 5 Radar	Wavefo	rm_16			
	rval (us)= 6000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CIV.	₽₩	Pro2 *	Pulse 2	Pulse 3	C+ 1	Showt Pro-	Ford Borner
	Off Time (us) 51132	Pulses	Chirp (MHz)	(us)	Pulse 1 Pri(us)	Pri(us)	Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	E000E4	3 1	17 17	75 80	1670 1070	1546 0	1448	51132 655752	o 600000	599999 1199999
	599956	-	17	95	1797	1275	0	1608312	1200000	1799999
	951490	2		75	1134	1595	1100	2015559	1800000	2399999
	951490 404175	3	17			1436	1623	2828550	2400000	2999999
	951490 404175 809162		17 17	55	1995	1400	2000			
	951490 404175 809162 682298	3 3 3	17 17	55 70	1255	1033	1254	3515902	3000000	3599999
	951490 404175 809162	3 3 3 2	17 17 17	55 70 80	1255 1087	1033 1105	1254 0	3515902 3688156	3600000	4199999
	951490 404175 809162 682298 168712	3 3 3 2 2	17 17 17	55 70 80 85	1255 1087 1051	1033 1105 1341	1254 0 0	3515902 3688156 4756506	3600000 4200000	4199999 4799999
	951490 404175 809162 682298 168712 1066158	3 3 3 2 2 2	17 17 17 17	55 70 80 85 100	1255 1087 1051 1557	1033 1105 1341 1247	1254 0 0 1823	3515902 3688156 4756506 5302668	3600000 4200000 4800000	4199999 4799999 5399999
	951490 404175 809162 682298 168712 1066158 543770	3 3 2 2 3	17 17 17 17 17	55 70 80 85 100 50	1255 1087 1051 1557 1360	1033 1105 1341 1247 1234	1254 0 0 1823 0	3515902 3688156 4756506 5302668 5836991	3600000 4200000 4800000 5400000	4199999 4799999 5399999 5999999
	951490 404175 809162 682298 168712 1066158 543770 529696 634295 712354	3 3 3 2 2 2	17 17 17 17	55 70 80 85 100	1255 1087 1051 1557 1360 1167	1033 1105 1341 1247	1254 0 0 1823	3515902 3688156 4756506 5302668 5836991 6473880	3600000 4200000 4800000 5400000	4199999 4799999 5399999 5999999
	951490 404175 809162 682298 168712 1066158 543770 529696 634295 712354 118156	3 3 3 2 2 3 2	17 17 17 17 17 17	55 70 80 85 100 50	1255 1087 1051 1557 1360	1033 1105 1341 1247 1234	1254 0 0 1823 0	3515902 3688156 4756506 5302668 5836991	3600000 4200000 4800000 5400000	4199999 4799999 5399999 5999999
	951490 404175 809162 682298 168712 1066158 543770 529696 634295 712354 118156 1070912	3 3 3 2 2 3 2	17 17 17 17 17 17 17	55 70 80 85 100 50 80	1255 1087 1051 1557 1360 1167	1033 1105 1341 1247 1234 0 1055	1254 0 0 1823 0 0	3515902 3688156 4756506 5302668 5836991 6473880 7187401	3600000 4200000 4800000 5400000 6000000	4199999 4799999 5399999 5999999 6599999
	951490 404175 809162 682298 168712 1066158 543770 529696 634295 712354 118156 1070912 115482	3 3 2 2 2 3 2 1 2	17 17 17 17 17 17 17 17	55 70 80 85 100 50 80 100	1255 1087 1051 1557 1360 1167 1625	1033 1105 1341 1247 1234 0 1055 1358	1254 0 0 1823 0 0 0 1517	3515902 3688156 4756506 5302668 5836991 6473880 7187401 7308237	3600000 4200000 4800000 5400000 6000000 67200000 7800000 8400000	4199999 4799999 5399999 5999999 6599999 7199999
f Bur.	951490 404175 809162 682298 168712 1066158 543770 529696 634295 712354 118156 1070912	3 3 3 2 2 2 3 1 2 3 3 3 3 3 3	17 17 17 17 17 17 17 17 17 17 17 17 17	55 70 80 85 100 50 80 100 50 60 95	1255 1087 1051 1557 1360 1167 1625 1906 1599 1601	1033 1105 1341 1247 1234 0 1055 1358 1096 1277	1254 0 0 1823 0 0 0 1517 1912 1118 1086	3615902 3688156 4756566 5302668 5836591 6473880 7187401 7308237 8383930 8604019 9306705	3600000 4200000 4800000 6400000 6600000 7200000 7800000 8400000 9000000	4199999 4799999 5399999 6599999 7199999 7799999 8399999 8399999
	951490 404175 809162 682298 168712 1066158 543970 529696 634295 712354 118156 1070912 115482 798690	3 3 3 2 2 2 3 2 1 2 3 3 3 1	17 17 17 17 17 17 17 17 17 17 17 17 17 1	55 70 80 85 100 50 80 100 90 50 60 60	1255 1087 1051 1557 1360 1167 1625 1906 1599 1601 1062 1639	1033 1105 1341 1247 1234 0 1055 1358 1096 1277 1882	1284 0 0 1823 0 0 0 1517 1912 1118 1086 0	3615902 3688156 4756506 5302668 5836991 6473880 7187401 7308237 8383930 8504019 9306705	3600000 4200000 4300000 5400000 6000000 7200000 7800000 8400000 90000000	4199999 4799999 5399999 6599999 7199999 7799999 83999999 9599999
	951490 404175 809162 682298 168712 1066158 543770 529696 634295 712354 118156 1070912 115482 798690 667364	3 3 3 2 2 2 3 1 2 3 3 3 3 3 3	17 17 17 17 17 17 17 17 17 17 17 17 17	55 70 80 85 100 50 80 100 50 60 95	1255 1087 1051 1557 1360 1167 1625 1906 1599 1601	1033 1105 1341 1247 1234 0 1055 1358 1096 1277	1254 0 0 1823 0 0 0 1517 1912 1118 1086	3615902 3688156 4756566 5302668 5836591 6473880 7187401 7308237 8383930 8604019 9306705	3600000 4200000 4800000 6400000 6600000 7200000 7800000 8400000 9000000	4199999 4799999 5399999 6599999 7199999 7799999 8399999 8399999

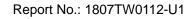
Page Number: 96 of 114 FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1





				Туре	5 Radar	Wavefo	rm_17			
um of Bur	sts = 19 rval (us)= 6315	579								
urst inte Jurst	Off Time	#	Chirp (MHz)	PW .	Pulse 1 Pri(us)	Pulse 2	Pulse 3	Start Loc (us)	Start Burst	End Burst Interval(us)
-	(us) 387659	Pulses		(us)		Pri(us)	Pri(us)		Interval (us)	
2	346644	2	10 10	60 65	1340 1438	1054 1333	0 1442	387659 736697	0 631579	631578 1263157
3	1057750	2	10	100	1700	1758	0	1798660	1263158	1894736
4	649594	3	10	85	1134	1177	1296	2451712	1894737	2526315
5	249976	1	10	50	1738	0	0	2705295	2526316	3157894
6	821417 410772	1	10	65	1384	0	0	3528450	3157895	3789473
7	942813	2	10	90	1423	1368	0	3940606	3789474	4421052
8	542338	2	10	60	1462	1288	0	4886210	4421053	5052631
9	400123	1	10	50	1785	0	0	5431298	5052632	5684210
10	944659	1	10	95	1331	0	0	5833206	5684211	6315789
11	488012	3	10	90	1490	1444	1556	6779196	6315790	6947368
12	905285	1	10	65	1455	0	0	7271698	6947369	7578947
13	135806	3	10	60	1864	1326	1655	8178438	7578948	8210526
14 15	713592	3	10 10	60 95	1559 1082	1713 1191	1382 1359	8319089 9037335	8210527 8842106	8842105 9473684
16	648156	1	10	100	1849	0	0	9689123	9473685	10105263
17	714490	2	10	85	1653	1942	0	10405462	10105264	10736842
18	796264	2	10	95	1213	1286	0	11205321	10736843	11368421
19	335552	3	10	75	1977	1309	1104	11543372	11368422	12000000
otal numb	er of pulses ir	ı waveform = 3 Hədələlələlələlələlələlələlələlələlələlə	)9 <del></del>	***********		<del>++</del>				
				Туре	5 Radar	Wavefo	rm_18			
um of Bur urst Inte	sts = 12 erval (us)= 1000	0000								
urst	Off Time	#	Chirp (MHz)	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
ŧ	(us) 167001	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
1		3	5	65	1086	1461	1333	167001	0	999999
2	1349791	3	5	75	1553	1312	1341	1520672	1000000	1999999
	845979									
3	1141226	2	5	60	1340	1219	0	2370857	2000000	2999999
4		2	5	60	1068	1499	0	3514642	3000000	3999999
5	662531	3	5	50	1761	1099	1061	4179740	4000000	4999999
	1518990									
6	814165	3	5	100	1635	1345	1532	5702651	5000000	5999999
7		3	5	90	1349	1116	1540	6521328	6000000	6999999
8	1291130	2	5	90	1935	1243	0	7816463	7000000	7999999
	851921									
9	507494	3	5	65	1426	1548	1441	8671562	8000000	8999999
10		1	5	85	1991	0	0	9183471	9000000	9999999
11	1717144	2	5	90	1198	1438	0	10902606	10000000	10999999
	1069789						-			
10	61 :-	2 n waveform = 2	5 ?9 *******	75 ******	1731 ******	1440	0	11975031	11000000	11999999
otal numb	**********									
otal numb	er or purses in									
otal numb *******	***********			Туре	5 Radar	Wavefo	rm_19			
otal numb ******** um of Bur urst Inte	**************************************	******						Store :	Short B	ud Burra
otal numb *********  um of Bur urst Inte	**************************************	******	Chirp (MHz)	Type	9 5 Radar	Wavefo	Pulse 3 Pri (us)	Start Loc (us)		nd Burst nterval(us)
otal numb *********  um of Bur urst Inte	**************************************	**************************************	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3		Interval (us) I	
otal numb ********  um of Bur urst Inte	**************************************	######################################	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	(us)	Interval(us) I	nterval (us)
otal numb *********  um of Bur urst Inte	**************************************	######################################	Chixp (MHx) 18	PW (us) 95	Pulse 1 Pri(us) 1772	Pulse 2 Pri(us) 1468	Pulse 3 Pri(us)	(us) 2637	Interval(us) I: 0 : 666667	nterval (us) 666666
um of Bur urst Inte urst 1 2	**************************************	######################################	Chirp (MHz) 18	PW (us) 95	Pulse 1 Pri(us) 1772 1407	Pulse 2 Pri(us) 1468 1885	Pulse 3 Pri(us) O	(us) 2637 771402	Interval(us) I 0 6666667 13333334	nterval (us) 666666 1333333
um of Bururst Inte	**************************************	######################################	Chirp (MHz) 18 18	PW (us) 95 80	Pulse 1 Pri(us) 1772 1407 1576	Pulse 2 Pri(us) 1468 1885 1538	Pulse 3 Pri(us) O	(us) 2637 771402 1394718	Interval(us) I 0 666667 1333334 2000001 2666668	nterval (us) 666666 1333333 2000000
otal numb	ets = 18 rval (us) = 6666 Off Time (us) 2637 765525 620024 620796 1198768 221911	######################################	Chixp (MHz) 18 18 18	PW (us) 95 80 100	Pulse 1 Pri(us) 1772 1407 1576	Pulse 2 Pri(us) 1468 1885 1538	Pulse 3 Pri(us) O O	(us) 2637 771402 1394718 2018628	Interval(us) I 0 666667 1333334 2000001 2666668	nterval (us) 666666 1333333 2000000 2666667
num of Burnerst Intervention of Burnerst Inter	**************************************	######################################	Chirp (MHz) 18 18 18 18	PW (us) 95 80 100 80 80	Pulse 1 Pri(ur) 1772 1407 1576 1503 1870	Pulse 2 Pri(us) 1468 1885 1598 0	Pulse 3 Pri(us) 0 0 0	(us) 2637 771402 1394718 2018628 3216897	Interval(us) I 0 666667 1333334 2000001 2666668 3333335	nterval (us) 666666 1333333 2000000 2666667 3333334
um of Bururst Inteurst 1 2 3 4 5 6 7	**************************************	######################################	Chirp (MHz) 18 18 18 18 18	PW (us) 95 80 100 80 80 60	Pulse 1 Pri(us) 1772 1407 1576 1503 1870	Pulse 2 Pri(us) 1468 1885 1538 0 0	Pulse 3 Pri(us) 0 0 0 0 0	(us) 2637 771402 1394718 2018628 3216897 3440678	Interval(us) I 0 666667 1333334 2000001 266668 333335 400002 4666669	nterval (uz) 666666 133333 2000000 2666667 3333334 4000001 4666668 5333335
otal numb **********  ********  ********  ******	**************************************	######################################	Chirp (MHz) 18 18 18 18 18	PW (us) 95 80 100 80 80 60 65	Fulse 1 Pri(us) 1772 1407 1576 1503 1870 1645	Pulse 2 Pri(us) 1468 1885 1538 0 0	Pulse 3 Pri(us) 0 0 0 0 0 0 1385	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789	Interval(us) I 0 666667 1333334 2000001 266668 333335 400002 4666669	nterval (uz) 566666 1333333 2000000 2666667 33333334 4000001 4666668
um of Bur um of Bur urst Inte urst 1 2 3 4 5 6 6 7 7 8	**************************************	######################################	Chixp (MHz) 18 18 18 18 18 18	PW (us) 95 80 100 80 60 65 80	Pulse 1 Pra(us) 1772 1407 1576 1503 1870 1845 1641	Pulse 2 Pri(us) 1468 1885 1538 0 0 0 1219 0	Pulse 3 Pxi(us) 0 0 0 0 0 0 0 1385 0	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789 5077968	Interval(us) I 0 666667 133334 2000001 2666668 333335 4000002 4666669 533336	nterval (uz) 666666 133333 2000000 2666667 3333334 4000001 4666668 5333335
otal numb **********  fum of Bur urst Inte urst  1  2  3  4  5  6  7  8  9	**************************************	######################################	Chirp (MHz) 18 18 18 18 18 18 18	PW (ux) 95 80 100 80 80 60 60 65 80	Pulse 1 Pri(us) 1772 1407 1576 1503 1870 1645 1641 1163 1070	Pulse 2 Pri(us) 1468 1885 1638 0 0 1219 0 1450	Pulse 3 Pri(us) 0 0 0 0 0 0 0 1385 0 1086	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789 5077968 5753880	Interval(us) I 0 666667 133334 2000001 2666688 333335 4000002 4666669 533336 6000003	nterval (uz) 666666 1333333 2000000 2666667 3333334 4000001 4666668 5333335
otal numb **********  **********  **********  ****	**************************************	######################################	Chirp (MHz) 18 18 18 18 18 18 18 18	PW (ux) 95 80 100 80 80 60 65 80	Pulse 1 Pri(us) 1772 1407 1576 1503 1870 1645 1641 1163 1070	Pulse 2 Pri(us) 1468 1885 1538 0 0 1219 0 1450 1315	Pulse 3 Pri(us) 0 0 0 0 0 0 1385 0 1086 1548	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789 5077968 5753880 6627800	O 666667 1333334 200001 2666668 3333335 400002 4666669 5333336 600003 6666670	nterval (uz) 666666 1333333 2000000 2866667 3333334 4000001 4666668 533335 5000002
um of Bur urst Inte urst 1 2 3 4 5 6 6 7 8 9	**************************************	######################################	Chirp (MHz) 18 18 18 18 18 18 18 18 18	PW (ux) 95 80 100 80 60 65 80 90 55	Pulse 1 Pri(us) 1772 1407 1576 1503 1870 1645 1641 1163 1070 1402	Pulse 2 Pri(ux) 1468 1885 1538 0 0 1219 0 1450 1315 1460	Pulse 3 Pri(us) 0 0 0 0 0 0 1385 0 1086 1548 1746	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789 5077968 5753880 6627800 7042701	Interval(us) I 0 666667 1333334 200001 266668 333335 400002 466669 5333336 600003 666670 7333377	nterval (us) 666666 133333 2000000 2666667 333334 4000001 4666668 5333335 6000002 6666669
Otal numb *********  fum of Bur *******  1 2 3 4 5 6 7 8 9 110 111 12 13	**************************************	######################################	Chixp (MHz) 18 18 18 18 18 18 18 18 18 18	PW (un) 95 80 100 80 80 65 80 90 56 70 95	Pulse 1 Pra (us) 1772 1407 1576 1503 1870 1645 1641 1163 1070 1402 1372	Pulse 2 Pri(us) 1468 1885 1538 0 0 1219 0 1450 1315 1460 1537	Pulse 3 Pri(us) 0 0 0 0 0 0 1385 0 1086 1548 1746 1872	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789 5077968 5753880 6627800 7042701 7505879	Interval(us) I 0 666667 133334 2000001 2666668 333335 4000002 4666669 533336 600003 6666670 733337 8000004	nterval (uz) 686666 133333 200000 266667 333334 4000001 4666668 5333335 6000002 6866669 7333336
otal numb **********  fum of Bur turst  1 2 3 4 5 6 7 8 9 10 11 12 13 14	**************************************	######################################	Chirp (MHz) 18 18 18 18 18 18 18 18 18 18 18	PW (ux) 95 80 100 80 60 65 80 90 55 70 95 100 60 60 60 60 60 60 60 60 60 60 60 60 6	Pulse 1 Pri(us) 1772 1407 1576 1503 1870 1645 1641 1163 1070 1402 1372 1882	Pulse 2 Pri(us) 1468 1885 1538 0 0 1219 0 1450 1315 1460 1537 1064	Pulse 3 Pri(us) 0 0 0 0 0 0 1385 0 1086 1548 1746 1872	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789 5077968 5753880 6627800 7042701 7505879 8150215	Interval(us) I 0 666667 133334 2000001 2666668 333335 4000002 4666669 533336 600003 6666670 7333337 8000004 8666671	nterval (uz) 666666 1333333 2000000 2666667 3333334 4000001 4666668 5333335 5000002 8666669 7333336 8000003
tum of Bur	**************************************	######################################	Chirp (MHz) 18 18 18 18 18 18 18 18 18 18 18 18	PW (ux) 95 80 100 80 80 60 65 80 90 55 70 95	Pulse 1 Pri(us) 1772 1407 1576 1503 1870 1645 1641 1163 1070 1402 1372 1882 1518	Pulse 2 Pri(us) 1468 1885 1538 0 0 1219 0 1450 1315 1460 1597 1064 1655	Pulse 3 Pri(us) 0 0 0 0 0 0 0 1385 0 1086 1548 1746 1872 1684 0	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789 5077968 5753890 6627800 7042701 7505879 8150215	O 666667 1333334 200001 2666668 3333335 400002 4666669 5333336 6000003 6666670 7333337 8000004 8666671 9333338	nterval (uz) 666666  1333333  2000000 2666667 3333334 4000001 4666668 5533335 6000002 6666669 7333336 8000003 8866670
Otal numb **********  **********  *********  ****	**************************************	######################################	Chirp (MHz) 18 18 18 18 18 18 18 18 18 18 18 18 18	PW (um) 95 80 100 80 65 80 90 55 100 100 85	Pulse 1 Fra (us) 1772 1407 1576 1503 1870 1645 1641 1163 1070 1402 1372 1882 1518 1379	Pulse 2 Pri(us) 1488 1885 1538 0 0 1219 0 1450 1315 1460 1537 1064 1655 0	Pulse 3 Pri(us) 0 0 0 0 0 0 1385 0 1086 1548 1872 1684 0	(us) 2637 771402 1394718 2018628 3216897 3440678 4635789 5077968 5753880 6627800 7042701 7805879 8150215 8854159 9487971	Interval(us) I 0 666667 1333334 200001 2666668 3333335 400002 4666669 5333336 6000003 6666670 733337 8000004 8666671 933338 10000005	nterval (us) 666666 1333333 2000000 2666667 333334 4000001 4666668 5333335 6000002 56666669 7333336 8000003 8666670 933337

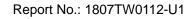
Page Number: 97 of 114





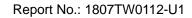
				Type	5 Radar	Wavefo	rm_20			
um of Burs urst Inter	sts = 20 cval (us)= 6000	00								
Burst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst End Interval(us) In	i Burst terval(us)
1	(us) 331142	ruises 2	(MHZ)	90	1373	1327	0	331142		99999
2	352488 984090	1	8	50	1205	0	0	686330	600000 1	199999
3	647960	2	8	90	1656	1625	0	1671625		799999
4	132995	1 2	8	60 85	1174	0	0	2322866 2457035		39999 99999
6	1103348	2	8	100	1778 1679	1360 1929	0	3563521		59999
7	331125	1	8	55	1536	0	0	3898254	3600000 4	199999
8	607490 378554	1	8	75	1724	0	0	4507280		799999
9	827965	2	8	70	1389	1164	0	4887558		399999
10 11	832636	3	8	60 65	1813 1809	1211	1417	5718076 6555153		999999
12	366547	3	8	95	1829	1506	1266	6923509		199999
13	813131 424353	1	8	75	1331	0	0	7741241	7200000 7	799999
14	330866	1	8	90	1178	0	0	8166925		399999
15 16	512451	2	8	60 90	1803 1275	0 1939	0	8498969 9013223		99999
17	687940	3	8	80	1810	1669	1207	9704377		199999
18	494945 1013804	3	8	100	1705	1772	1342	10204008	10200000 10	799999
19	256617	3	8	75	1393	1479	1967	11222631		1399999
20 'otal numbe	er of pulses in	2 waveform = 37	8	50	1666	1092	0	11484087	11400000 1	1999999
					5 Radar	Mayofo	rm 21			
um of Bur:	ete = 12			туре	: J Nauai	Wavelo				
urst Inter	rval (us)= 100	0000		T201		D. 1	<b>D.</b> 1		g	D. I.D
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	688104	1	18	80	1314	0	0	688104	0	999999
	787301									
2	1088617	1	18	65	1655	0	0	1476719	1000000	1999999
3	1301141	3	18	75	1575	1648	1820	2566991	2000000	2999999
4		1	18	90	1519	0	0	3873175	3000000	3999999
5	900523	1	18	55	1672	0	0	4775217	4000000	4999999
6	1139070	3	18	60	1502	1804	1976	5915959	5000000	5999999
	830455									
7	883116	2	18	95	1317	1795	0	6751696	6000000	6999999
8	564283	1	18	95	1440	0	0	7637924	7000000	7999999
9		3	18	50	1062	1903	1968	8203647	8000000	8999999
10	969716	2	18	95	1920	1842	0	9178296	9000000	9999999
11	1586991	3	18	70	1874	1391	1671	10769049		10999999
	1215136									
	er of pulses in			50 ******	1176 ******	0	0	11989121	11000000	11999999
				Type	5 Radar	Wavefo	rm 22			
um of Bur	sts = 12				,					
urst Inte: urst	rval (us)= 100 Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 164567	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
1		1	5	55	1018	0	0	164567	0	999999
2	844608	3	5	75	1429	1035	1487	1010193	1000000	1999999
3	1714855	3	5	65	1639	1146	1003	2728999	2000000	2999999
	1162554									
4	211977	2	5	65	1715	1102	0	3895341	3000000	3999999
5		3	5	70	1330	1322	1917	4110135	4000000	4999999
6	1181400	2	5	85	1965	1151	0	5296104	5000000	5999999
7	723258	1	5	85	1334	0	0	6022478	6000000	6999999
	1057628									
8	927959	1	5	70	1497	0	0	7081440	7000000	7999999
9	1330021	2	5	90	1269	1241	0	8010896	8000000	8999999
10		1	5	85	1414	0	0	9343427	9000000	9999999
10	1002525	_	5	70	1831	1102	0	10347366	10000000	10999999
11		2	9			1102				10333333
	1509211	2	5	95	1527	1952	0	11859510	11000000	11999999

Page Number: 98 of 114 FCC ID: 2AD8UFZCWO4A1





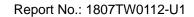
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um of Burs	sts = 20 rval (us)= 6000	.00								
urst inter Jurst	Off Time	#	Chirp (MHz)	₽₩	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Ştart Loc	Start Burst	End Burst
1	(us) 265722	Pulses 2	(MHz) 10	(us) 70	Pri(us) 1576	Pri (us) 1334	Pri(us)	(us)	Interval (us o	) Interval(us) 599999
2	804848	2	10	85	1974	1241	0	265722 1073480	600000	1199999
3	495031	1	10	100	1366	0	0	1571726	1200000	1799999
4	761002	2	10	95	1593	1140	0	2334094	1800000	2399999
5	144396	1	10	75	1604	0	0	2481223	2400000	2999999
6	698539	3	10	90	1632	1173	1660	3181366	3000000	3599999
7	738123 357114	3	10	70	1135	1945	1805	3923954	3600000	4199999
8	951388	3	10	50	1395	1820	1778	4285953	4200000	4799999
9	406372	2	10	60	1160	1815	0	5242334	4800000	5399999
10	381662	3	10	60	1786	1390	1533	5651681	5400000	599999
11	1033547	1	10	95	1060	0	0	6038052	6000000	6599999
12	669600	2	10	100	1590	1599	0	7072659	6600000	7199999
13 14	532576	3	10 10	95 100	1889 1402	1671 1364	1550 1831	7745448 8283134	7200000 7800000	7799999 8399999
15	160112	2	10	85	1101	1492	0	8447843	8400000	8999999
16	598358	1	10	55	1679	0	0	9048794	9000000	9599999
17	1018749	1	10	80	1641	0	0	10069222	9600000	10199999
18	178090	1	10	85	1569	0	0	10248953	10200000	10799999
19	957196 695926	1	10	55	1689	0	0	11207718	10800000	11399999
20 Fotal numbe		1 waveform = 3	10	95	1985	0	0	11905333	11400000	11999999
+++++++++	-1 of paises in		~~~~							
				Турє	5 Radar	Wavefo	rm_24			
um of Burs urst Inter	sts = 17 rval (us)= 7058	82								
urst	Off Time	#	Chirp (MHz)	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	
ŧ	(us) 205157	Pulses		(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us	
1	1111578	2	19	60	1529	1168	0	205157	0	705881
2	733992	2	19	80	1425	1208	0	1319432	705882	1411763
3	395177	1	19	80	1560	0	0	2056057	1411764	2117645
4	578865	1	19	80	1221	0	0	2452794	2117646	2823527
5		3	19	50	1743	1433	1656	3032880	2823528	3529409
6	773163	3	19	70	1105	1603	1936	3810875	3529410	4235291
7	772042	3	19	90	1589	1689	1885	4587561	4235292	4941173
8	562944	3	19	50	1752	1265	1021	5155668	4941174	5647055
9	1014489	2	19	70	1382	1083	0	6174195	5647056	6352937
10	422367	2	19	80	1279	1117	0	6599027	6352938	7058819
11	789836	1	19	90	1962	0	0	7391259	7058820	7764701
12	827855	3	19	80	1306	1335	1108	8221076	7764702	8470583
13	845763	1	19	50	1289	0	0	9070588	8470584	9176465
	497670									
14	863898	2	19	70	1470	1140	0	9569547	9176466	9882347
15	248365	2	19	75	1642	1908	0	10436055	9882348	10588229
16	669429	1	19	80	1746	0	0	10687970	10588230	11294111
17 otal numbe	er of pulses in	3 waveform = 3	19 35	60	1976	1336	1273	11359145	11294112	11999993
******		<del></del>	<del></del>							
				Туре	5 Radar	Wavefo	rm_25			
	val (us)= 6315	79	Chi	DW	Pul 1	Pular 0	Pular 2	Stont !	Stant Poor	End Burat
urst	0ff Time (us) 139024	# Pulses	(MHz)	(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	803502	1	12	80	1114	0	0	139024	0	631578
2	425338	2	12	85	1835	1062	0	943640	631579	1263157
3	715191	1	12	85	1124	0	0	1371875	1263158	1894736
4	916252	2	12	70	1495	1697	0	2088190	1894737	2526315
5	602094	1	12	85	1187	0	0	3007634	2526316	3157894
6	707567	2	12	75	1642	1710	0	3610915	3157895	3789473
7	595698	3	12	70	1827	1126	1931	4321834	3789474	4421052
8	294101	3	12	60	1817	1620	1375	4922416	4421053	5052631
9	642209	3	12	65	1759	1606	1536	5221329	5052632	5684210
10	622266	3	12	50	1094	1763	1392	5868439	5684211	6315789
11	998377	1	12	65	1227	0	0	6494954	6315790	6947368
12	494177	1	12	50	1210	0	0	7494558	6947369	7578947
13	663101	2	12	60	1533	1842	0	7989945	7578948	8210526
	618891	3	12	100	1093	1690	1900	8656421	8210527	8842105
14	464249	2	12	65	1739	1141	0	9279995	8842106	9473684
14 15		3	12	60	1070	1936	1817	9747124	9473685	10105263
14 15 16	711150									
14 15 16 17		3	12	60	1146	1625	1061	10463097	10105264	10736842
14 15 16	711150			60 80 65	1146 1885 1119	1625 0 0	1061 0 0	10463097 11296175 11879107	10105264 10736843 11368422	10736842 11368421 12000000





				Type	5 Radar V	Wavefor	m_26			
m of Burs		2000								
	val (us)= 1500									
rst	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)
	1043002									
	567499	2	14	95	1078	1643	0	1043002	0	1499999
	2234180	1	14	65	1910	0	0	1613222	1500000	2999999
		3	14	50	1156	1520	1793	3849312	3000000	4499999
	893286	2	14	65	1004	1530	0	4747067	4500000	5999999
	1653258									
	2047048	1	14	100	1063	0	0	6402859	6000000	7499999
		2	14	90	1453	1705	0	8450970	7500000	8999999
	700671	3	14	70	1618	1042	1003	9154799	9000000	10499999
	2759556	3	14	EE.	1700	1000	1100	11918018	10500000	11000000
al number	r of pulses ir			55	1280	1028	1185	11318018	10500000	11999999
kakakakakakaka						sokok				
				Type	5 Radar V	Wavefor	m 27			
				- 71						
of Burs	ts = 18									
st interv st	val (us)= 6666 Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 416259	Pulses 3	(MHz) 6	(us) 60	Pri(us) 1890	Pri(us) 1818	Pri(us) 1472	(us) 416259	Interval (us)	Interval (us) 666666
	440317 923038	2	6	100	1235	1546	0	861756	666667	1333333
	709522	1	6	65	1549	0	0	1787575	1333334	2000000
	763179	2	6	95 70	1802 1742	1089	0	2498646 3264716	2000001 2666668	2666667 3333334
	312495	3	6	70	1932	1787	1468	3578953	3333335	4000001
	736612 627234	3	6	50	1973	1581	1392	4320752	4000002	4666668
	1018761	1 2	6	70 75	1758 1725	0 1982	0	4952932	4666669 5333336	5333335 6000002
	491515	1	6	80	1725	0	0	5973451 6468673	6000003	6666669
	529044	3	6	85	1023	1065	1339	6999566	6666670	7333336
	810759 763817	2	6	65	1839	1706	0	7813752	7333337	8000003
	313290	3	6	70	1306	1160	1166	8581114	8000004	8666670
	587157	1 3	6	75 95	1359 1107	0 1896	0 1296	8898036 9486552	8666671 9333338	9333337
	967829	3	6	50	1259	1156	1672	10458680	10000005	10666671
	299999	2	6	95	1638	1270	0	10762766	10666672	11333338
al numbe:	1076130 r of pulses in	1 waveform = 3	6	50	1420	0	0	11841804	11333339	12000005
	<del>*************************************</del>		<del></del>	<del>1010101010101010101</del>	<del> </del>	<del> - -</del>				
				Type	5 Radar \	Wavefor	m_28			
of Burst	ts = 14 val (us)= 8571	42								
st	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 131922	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	898559	2	9	90	1934	1846	0	131922	0	857142
	1049753	2	9	85	1867	2000	0	1034261	857143	1714285
	605558	3	9	95	1615	1100	1246	2087881	1714286	2571428
	1534673	2	9	75	1131	1060	0	2697400	2571429	3428571
	670896	2	9	60	1141	1558	0	4234264	3428572	4285714
	561040	2	9	85 65	1477	1569	0	4907859	4285715	5142857
	793916	1	9	65 60	1435	0	0	5471945 6267296	5142858	6000000 6857143
		1		60 an	1809	0	0	6267296 7242506	6000001	
	973401	1	9	90	1963 1858			7242506	6857144	7714286
	973401 1284704		0			0	0	8529173	7714287	8571429
		1	9	80		1100	0	0970010	0071.400	0400550
	1284704	1 2	9	75	1295	1162	0	9370818	8571430	9428572
	1284704 839787	1				1162 0 1361	0 0 0	9370818 9735210 10831705	8571430 9428573 10285716	9428572 10285715 11142858

FCC ID: 2AD8UFZCWO4A1 Page Number: 100 of 114





rst Inter	sts = 16			<u> </u>	5 Radar					
urst	rval (us)= 7500 Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 278450	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	1206970	1	17	60	1409	0	0	278450	0	749999
2	587531	2	17	65	1506	1588	0	1486829	750000	1499999
3	696573	2	17	90	1880	1709	0	2077454	1500000	2249999
	278692	1	17	75	1549	0	0	2777616	2250000	2999999
5	960346	2	17	50	1123	1094	0	3057857	3000000	3749999
3	861663	2	17	75	1849	1188	0	4020420	3750000	4499999
,	922440	3	17	50	1765	1735	1219	4885120	4500000	5249999
В		2	17	65	1175	1998	0	5812279	5250000	5999999
9	503092	2	17	100	1954	1865	0	6318544	6000000	6749999
10	1061700 133383	1	17	90	1327	0	o	7384063	6750000	7499999
11		1	17	50	1609	0	0	7518773	7500000	8249999
12	1064890	2	17	100	1489	1390	0	8585272	8250000	8999999
13	560233	1	17	85	1054	0	0	9148384	9000000	9749999
14	874513	2	17	75	1498	1026	0	10023951	9750000	10499999
15	529166	2	17	65	1374	1156	0	10555641	10500000	11249999
.6	734226	3	17	75	1068	1748	1651	11292397	11250000	11999999
otal numbe	er of pulses in		*************				20			
otal numbe	er or pulses in	*****	***********		5 Radar		rm_30			
m of Bur	sts = 17	*****	*******				rm_30			
m of Bur	**************************************	*****	Chirp (MHz)				rm_30	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
w******** um of Bur: urst Inter	sts = 17 rval (us) = 7058 Off Time (us) 201469	***************************************		Туре	5 Radar	Wavefor	Pulse 3			End Burst ) Interval(us) 705881
um of Burrurst Inter	sts = 17 rval (us) = 7058 Off Time (us) 201469 564640	**************************************	Chirp (MHz)	Type	• 5 Radar	Wavefor	Pulse 3 Pri(us)	(us)	Interval (us)	) Interval(us)
um of Bur:	sts = 17 rval (us)= 7058 Off Time (us) 201469 564640 1231022	**************************************	Chirp (MHz) 8	Type	Pulse 1 Pri (us)	Wavefor	Pulse 3 Pri(us) 0	(us) 201469	Interval (us)	) Interval (us) 705881
um of Bur: urst Inter	ets = 17 rval (us) = 7058 Off Time (us) 201469 564640 1231022 290266	######################################	Chirp (MHz) 8 8	Type	Pulse 1 Pri(us) 1034 1538	Pulse 2 Pri (us) 1943 1064	Pulse 3 Pri(us) 0 1399	(us) 201469 769086	Interval (us) 0 705882	) Interval(us) 705881 1411763
m of Bur:	sts = 17 eval (us) = 7058 Off Time (us) 201469 564640 1231022 290266 1052267	######################################	Chirp (MHz) 8 8	Type    PW (tus)   95   85   70	Pulse 1 Pri(us) 1034 1538 1606	Pulse 2 Pri(us) 1943 1064 1774	Pulse 3 Pri(us) 0 1399 0	(us) 201469 769086 2004109	Interval (us) 0 705882 1411764	) Interval(us) 705881 1411763 2117645
m of Burrst Inte	sts = 17 rval (us) = 7058 Off Time (us) 201469 564640 1231022 290266 1052267 404867	######################################	Chirp (MHz) 8 8	Type    Pw (us)   95   85   70   55	Pulse 1 Pri(us) 1034 1538 1606 1929	Pulse 2 Pri (us) 1943 1064 1774	Pulse 3 Pri(us) 0 1399 0	(us) 201469 769086 2004109 2297755	Interval (us) 0 705882 1411764 2117646	705881 1411763 2117645 2823527
um of Burgurst Inter	sts = 17 rval (us) = 7058 Off Time (us) 201469 564640 1231022 290266 1052267 404867 974469	######################################	Chirp (MHz) 8 8 8 8	Type (us) 95 85 70 55 60	Pulse 1 Pri(us) 1034 1538 1606 1929 1447	Pulse 2 Pri(us) 1943 1064 1774 0	Pulse 3 Pri(us) 0 1399 0 0	(us) 201469 769086 2004109 2297755 3351951	Interval (us) 0 705882 1411764 2117646 2823528	705881 1411763 2117645 2823527 3529409
um of Bururst Inter	sts = 17 rval (us) = 7058 Off Time (us) 201469 564640 1231022 290266 1052267 404867 974469 614536	######################################	Chirp (MHz) 8 8 8 8	Type  Pw (us) 95 85 70 56 60 65	Pulse 1 Pri(us) 1034 1538 1606 1929 1447 1109	Pulse 2 Pri(us) 1943 1064 1774 0 1351 1244	Pulse 3 Pri(us) 0 1399 0 0 1630	(us) 201469 769086 2004109 2297755 3351951 3761246	Interval (us) 0 705882 1411764 2117646 2823528 3529410	705881 1411763 2117645 2823527 3529409 4235291
um of Bururst Inter	ets = 17 rval (us) = 7058 Off Time (us) = 201469 564640 1231022 290266 1052267 404867 974469 614536 879569	######################################	Chirp (MHz) 8 8 8 8	Type  P(\(\u.\max_1\)) 95 85 70 55 60 65 75	Pulse 1 Pri(us) 1034 1538 1606 1929 1447 1109 1001	Pulse 2 Pri(us) 1943 1064 1774 0 1351 1244	Pulse 3 Pri(us) 0 1399 0 0 1630 1121	(us) 201469 769086 2004109 2297755 3351951 3761246 4739189	Interval (us) 0 705882 1411764 2117646 2823528 3529410 4235292	705881 1411763 2117645 2823527 3529409 4235291 4941173
m of Burrst Inte	ets = 17 rval (us) = 7058 Off Time (us) = 564640 1231022 290266 1052267 404867 974469 614536 879569	######################################	Chirp (MHz) 8 8 8 8	Type    PW (LLE)   95   85   70   56   60   65   75   90   10   10   10   10   10   10   10	Pulse 1 Pri(us) 1034 1538 1606 1929 1447 1109 1001	Pulse 2 Pri (us) 1943 1064 1774 0 1351 1244 0	Pulse 3 Pri(us) 0 1399 0 0 1630 1121 0	(us) 201469 769086 2004109 2297755 3351951 3761246 4739189 5354726	Interval (us) 0 705882 1411764 2117646 2823528 3529410 4235292 4941174	705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055
m of Burrst Inter	sts = 17 eval (us) = 7058 Off Time (us) = 201469 564640 1231022 290266 1052267 404867 974469 614536 879569 783575 399312	######################################	Chirp (MHz) 8 8 8 8 8	Type    PW (\u.B)   95     85   70     55   60     65   75     90     55	Pulse 1 Pri(us) 1034 1538 1606 1929 1447 1109 1001 1094	Pulse 2 Pri(us) 1943 1064 1774 0 1351 1244 0 0	Pulse 3 Pri(us) 0 1399 0 0 1630 1121 0 0	(us) 201469 769086 2004109 2297755 3351951 3761246 4739189 5354726 6235389	Interval (us) 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056	70581 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937
um of Burrst Inter	sts = 17 rval (us) = 7058 Off Time (us) 1469 564640 1231022 290266 1052267 404867 974469 614536 879569 783575 399312 788360	######################################	Chirp (MHz) 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Type  Pw (\( \( \text{Lis} \) )  95  85  70  55  60  65  75  90  55  95	Pulse 1 Pri(us) 1034 1538 1606 1929 1447 1109 1001 1094 1038	Pulse 2 Pri(us) 1943 1064 1774 0 1351 1244 0 0	Pulse 3 Pri(us) 0 1399 0 0 1630 1121 0 0 1998	(us) 201469 769086 2004109 2297755 3351951 3761246 4739189 5354726 6235389 7023485	Interval (us) 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6352938	705881 1411763 2117645 2823527 3829409 4235291 4941173 5647065 6352937 7058819
m of Burrst Inter	sts = 17 rval (us) = 7058 Off Time (us) 201469 564640 1231022 290266 1052267 404867 974469 614536 879569 783575 399312 788360 466591	######################################	Chirp (MHz) 8 8 8 8 8 8	Type (us) 95 85 70 65 60 65 75 90 55 95 70	Pulse 1 Pri(us) 1034 1538 1606 1929 1447 1109 1001 1094 1038 1628 1404	Pulse 2 Pri(us) 1943 1064 1774 0 1351 1244 0 0 1485 1744 1297	Pulse 3 Pri(us) 0 1399 0 0 1630 1121 0 0 1998	(us) 201469 769086 2004109 2297755 3351951 3761246 4739189 5354726 6235389 7023485 7426169	Interval (us) 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6352938 7058820	705831 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352337 7058819 7764701
m of Burrst Interpretation of Burrst Interpret	sts = 17 rval (us) = 7058 Off Time (us) = 564640 1231022 290266 1052267 404867 974469 614536 879569 783575 399312 788360 466591 1019666	######################################	Chirp (MHz) 8 8 8 8 8 8 8	Type  (tus) 95 85 70 56 60 65 75 90 55 95 85	Pulse 1 Pri(us) 1034 1538 1606 1929 1447 1109 1001 1094 1038 1628 1404	Pulse 2 Pri (us) 1943 1064 1774 0 1351 1244 0 0 0 1485 1744 1297	Pulse 3 Pri(us) 0 1399 0 0 1630 1121 0 0 1998	(us) 201469 769086 2004109 2297755 3351951 3761246 4739189 5354726 6235389 7023485 7426169 8217230	Interval (us) 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6552938 7058820 7764702	705831 1411763 2117646 2823527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583
um of Bur	sts = 17 rval (us) = 7058 Off Time (us) 201469 564640 1231022 290266 1052267 404867 974469 614536 879569 783575 399312 788360 466591	######################################	Chirp (MHz) 8 8 8 8 8 8 8	Type    FW (LLE)   95   85   70   56   60   65   75   90   55   95   70   85   65   65   65   65   65   65   65	Pulse 1 Pri(us) 1034 1538 1606 1929 1447 1109 1001 1094 1038 1628 1404 1629 1667	Pulse 2 Pri(us) 1943 1064 1774 0 1351 1244 0 0 1485 1744 1297 0	Pulse 3 Pri(us) 0 1399 0 0 1630 1121 0 0 1998 0	(us) 201469 769086 2004109 2297755 3351951 3761246 4739189 5354726 6235389 7023485 7426169 8217230 8685450	Interval (us) 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6552938 7058820 7764702 8470584	70581 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583 9176465

Page Number: 101 of 114 FCC ID: 2AD8UFZCWO4A1 IC: 109D-FZCWO4A1



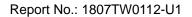


Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5492	1	16	5530	1
2	5492	1	17	5532	1
3	5500	1	18	5532	1
4	5500	1	19	5540	1
5	5508	1	20	5540	1
6	5508	1	21	5548	1
7	5510	1	22	5548	1
8	5510	1	23	5550	1
9	5512	1	24	5550	1
10	5512	1	25	5552	1
11	5520	1	26	5552	1
12	5520	1	27	5560	1
13	5528	1	28	5560	1
14	5528	1	29	5568	1
15	5530	1	30	5568	1
	Det	ection Percentage	(%)		100%

FCC ID: 2AD8UFZCWO4A1 Page Number: 102 of 114

IC: 109D-FZCWO4A1





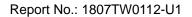
F	Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
2	5499	6	4	5501	12	
29	5503	87	12	5520	36	
34	5495	102	19	5478	57	
35	5476	105	22	5513	66	
41	5468	123	26	5502	78	
42	5507	126	39	5522	117	
56	5506	168	57	5473	171	
58	5511	174	60	5488	180	
61	5486	183	65	5512	195	
78	5508	234	69	5489	207	
84	5519	252	71	5515	213	
92	5480	276	72	5506	216	
98	5479	294	74	5480	222	

F	Radar waveform #	3	Radar waveform #4		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
27	5528	81	7	5505	21
29	5470	87	11	5474	33
31	5515	93	25	5525	75
44	5492	132	43	5530	129
49	5529	147	55	5523	165
56	5507	168	59	5509	177
89	5504	267	61	5470	183
			63	5489	189
			74	5500	222
			81	5527	243
			83	5522	249
			90	5513	270
			97	5497	291





F	Radar waveform #	5	F	Radar waveform #	6
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
1	5486	3	2	5538	6
7	5510	21	22	5526	66
9	5500	27	27	5525	81
11	5504	33	29	5511	87
14	5520	42	30	5508	90
22	5507	66	41	5483	123
30	5532	90	43	5487	129
35	5531	105	45	5536	135
51	5495	153	46	5504	138
73	5525	219	55	5531	165
94	5496	282	58	5505	174
95	5535	285	59	5500	177
			77	5502	231
			82	5509	246
			92	5492	276
			96	5514	288





i	Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
4	5540	12	14	5532	42	
19	5484	57	17	5496	51	
22	5526	66	24	5517	72	
26	5539	78	30	5513	90	
37	5524	111	34	5521	102	
49	5494	147	37	5506	111	
57	5511	171	55	5490	165	
63	5530	189	73	5485	219	
70	5492	210	82	5514	246	
76	5495	228	97	5524	291	
80	5485	240	99	5534	297	
82	5505	246				
84	5537	252				
87	5501	261				
88	5513	264				
90	5497	270				
94	5481	282				
97	5531	291				
99	5535	297				





F	Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
37	5508	111	7	5491	21	
48	5517	144	22	5493	66	
60	5516	180	26	5489	78	
68	5497	204	35	5507	105	
79	5509	237	45	5515	135	
86	5511	258	59	5513	177	
98	5505	294	60	5499	180	
			61	5484	183	
			70	5503	210	
			77	5500	231	
			79	5525	237	
			86	5519	258	
			91	5488	273	

R	Radar waveform #11			Radar waveform #12		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
2	5498	6	0	5506	0	
4	5518	12	37	5501	111	
8	5546	24	45	5540	135	
24	5497	72	46	5542	138	
30	5510	90	54	5512	162	
43	5529	129	60	5536	180	
59	5520	177	63	5547	189	
76	5543	228	69	5525	207	
78	5503	234	81	5550	243	
79	5532	237	83	5517	249	
80	5490	240	92	5530	276	
86	5496	258				
99	5516	297				

FCC ID: 2AD8UFZCWO4A1 Page Number: 106 of 114

IC: 109D-FZCWO4A1



Page Number: 107 of 114



R	adar waveform #1	13	R	adar waveform #	14
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
13	5501	39	6	5527	18
17	5537	51	19	5501	57
34	5522	102	23	5553	69
36	5517	108	33	5558	99
38	5535	114	34	5552	102
44	5507	132	41	5505	123
49	5541	147	45	5525	135
63	5548	189	46	5556	138
68	5556	204	49	5546	147
69	5508	207	52	5532	156
72	5504	216	58	5539	174
77	5552	231	68	5511	204
81	5531	243	70	5500	210
85	5534	255	71	5513	213
88	5524	264	77	5529	231
94	5550	282	86	5545	258
			92	5554	276



Page Number: 108 of 114



R	adar waveform #1	15	Radar waveform #16		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
0	5522	0	1	5531	3
1	5548	3	3	5510	9
3	5539	9	4	5533	12
4	5555	12	12	5541	36
19	5541	57	34	5515	102
20	5536	60	38	5539	114
23	5504	69	88	5516	264
24	5512	72	93	5545	279
26	5559	78	97	5544	291
34	5517	102			
47	5534	141			
65	5529	195			
71	5533	213			
72	5557	216			
75	5520	225			
81	5545	243			
91	5558	273			



Page Number: 109 of 114



R	adar waveform #1	17	R	Radar waveform #18		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
3	5505	9	7	5523	21	
10	5545	30	15	5514	45	
23	5518	69	23	5561	69	
31	5557	93	24	5532	72	
46	5562	138	26	5542	78	
51	5529	153	36	5549	108	
52	5507	156	38	5510	114	
53	5512	159	40	5551	120	
54	5561	162	50	5522	150	
72	5547	216	56	5512	168	
84	5511	252	65	5508	195	
93	5534	279	72	5504	216	
95	5519	285	75	5547	225	
99	5552	297	78	5531	234	
			86	5539	258	
			87	5548	261	
			93	5526	279	
			96	5533	288	
			99	5521	297	





R	Radar waveform #19			adar waveform #2	20
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
17	5550	51	2	5544	6
24	5520	72	10	5551	30
25	5569	75	16	5555	48
60	5543	180	41	5566	123
66	5544	198	50	5531	150
78	5552	234	54	5550	162
84	5518	252	73	5543	219
91	5510	273	79	5521	237
99	5555	297	89	5532	267
			94	5570	282
			97	5530	291

R	adar waveform #2	21	R	adar waveform #2	22
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
11	5518	33	10	5566	30
13	5557	39	19	5519	57
16	5564	48	27	5555	81
24	5569	72	35	5546	105
26	5549	78	42	5547	126
32	5541	96	44	5573	132
42	5525	126	50	5520	150
55	5544	165	52	5526	156
63	5573	189	61	5532	183
67	5520	201	75	5528	225
68	5529	204	77	5562	231
69	5522	207	93	5572	279
93	5563	279			
95	5524	285			





Radar waveform #23			Radar waveform #24		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
1	5574	3	2	5522	6
9	5543	27	4	5537	12
17	5548	51	33	5580	99
23	5541	69	42	5527	126
28	5522	84	43	5536	129
41	5579	123	59	5577	177
43	5572	129	62	5535	186
45	5561	135	72	5545	216
54	5573	162	74	5565	222
64	5580	192	76	5550	228
66	5570	198	78	5546	234
73	5530	219	83	5541	249
97	5560	291	84	5521	252
98	5571	294	85	5563	255
			88	5567	264
			91	5576	273





Radar waveform #25			Radar waveform #26		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
8	5555	24	8	5522	24
10	5544	30	15	5547	45
12	5533	36	38	5578	114
23	5567	69	42	5527	126
33	5553	99	49	5533	147
48	5525	144	50	5537	150
61	5536	183	51	5538	153
66	5556	198	56	5526	168
77	5534	231	61	5563	183
82	5559	246	74	5574	222
96	5557	288	78	5552	234
			80	5540	240
			83	5553	249
			84	5582	252
			94	5580	282
			95	5548	285

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5532	33	2	5568	6
17	5539	51	18	5586	54
31	5570	93	23	5551	69
39	5544	117	38	5571	114
46	5575	138	40	5581	120
49	5583	147	42	5579	126
50	5585	150	44	5548	132
59	5587	177	51	5566	153
62	5589	186	60	5543	180
69	5578	207	62	5555	186
70	5540	210	75	5535	225
90	5586	270	83	5580	249
			96	5574	288





Radar waveform #29			Radar waveform #30		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
1	5569	3	10	5541	30
11	5538	33	11	5590	33
13	5588	39	24	5554	72
16	5560	48	29	5550	87
19	5547	57	34	5596	102
28	5563	84	52	5585	156
44	5596	132	63	5538	189
48	5548	144	84	5548	252
63	5562	189	85	5559	255
68	5594	204			
78	5585	234			
82	5568	246			
88	5556	264			
95	5566	285			

FCC ID: 2AD8UFZCWO4A1 Page Number: 113 of 114 IC: 109D-FZCWO4A1



## 6. CONCLUSION

The data collected relate only the item(s) tested and show that the Wi-Fi AP 4X4 OD ext. antenna US; Wi-Fi AP 4x4 OD omni antenna US; Wi-Fi AP 4x4 OD direct. antenna US; Wi-Fi AP 4x4 OD small omni antenna US FCC ID: 2AD8UFZCWO4A1, Model Number: WO4C-AC400 is in compliance with Part 15E of the FCC Rules and IC Rules.

The End