

TEST REPORT

Covering the
DYNAMIC FREQUENCY SELECTION (DFS)
REQUIREMENTS
OF

FCC Part 15 Subpart E (UNII)

Avaya
Model(s): WLAN AP 8120

COMPANY: Avaya
4655 Great America Parkway
Santa Clara, CA 95054

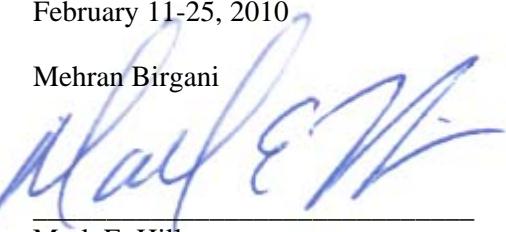
TEST SITE: Elliott Laboratories
684 W. Maude Ave
Sunnyvale, CA 94085

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TEST ENGINEER: Mehran Birgani

AUTHORIZED SIGNATORY:


Mark E. Hill
Staff Engineer



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SCOPE

The Federal Communications Commission and the European Telecommunications Standards Institute (ETSI) publish standards regarding ElectroMagnetic Compatibility and Radio spectrum Matters for radio-communications devices. Tests have been performed on the Avaya model WLAN AP 8120 in accordance with these standards.

Test data has been taken pursuant to the relevant DFS requirements of the following standard(s):

- FCC Part 15 Subpart E Unlicensed National Information Infrastructure (U-NII) Devices

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein as outlined in Elliott Laboratories test procedures.

The test results recorded herein are based on a single type test of the Avaya model WLAN AP 8120 and therefore apply only to the tested sample. The sample was selected and prepared by Vipin Naik of Avaya.

OBJECTIVE

The objective of the manufacturer is to comply with the standards identified in the previous section. In order to demonstrate compliance, the manufacturer or a contracted laboratory makes measurements and takes the necessary steps to ensure that the equipment complies with the appropriate technical standards. Compliance with some DFS features is covered through a manufacturer statement or through observation of the device.

STATEMENT OF COMPLIANCE

The tested sample of Avaya model WLAN AP 8120 complied with the DFS requirements of:

FCC Part 15.407(h)(2)

Maintenance of compliance is the responsibility of the manufacturer. Any modifications to the product should be assessed to determine their potential impact on the compliance status of the device with respect to the standards detailed in this test report.

DEVIATIONS FROM THE STANDARD

No deviations were made from the test methods and requirements covered by the scope of this report.

EQUIPMENT UNDER TEST (EUT) DETAILS**GENERAL**

The Avaya model WLAN AP 8120 is an 802.11abgn wireless router/access point that is designed to wireless connectivity for enterprise network systems

The sample was received on February 5, 2010 and tested on February 11-25, 2010. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Avaya	AP 1820	Access Point	Prototype

The manufacturer declared values for the EUT operational characteristics that affect DFS are as follows:

Operating Modes (5250 – 5350 MHz, 5470 – 5725 MHz)

- Master Device

Antenna Gains / EIRP (5250 – 5350 MHz, 5470 – 5725 MHz)

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	4.5	5.6
Highest Antenna Gain (dBi)	4.5	5.6
Output Power (dBm)	>200mW eirp	>200mW eirp

- Power can exceed 200mW eirp

Channel Protocol

- IP Based

ENCLOSURE

The EUT outer enclosure is primarily constructed of plastic. It measures approximately 23.5 cm wide by 15 cm deep by 5.5 cm high. The plastic outer enclosure covers a full metalized inner enclosure.

MODIFICATIONS

The EUT did not require modifications during testing in order to comply with the requirements of the standard(s) referenced in this test report.

SUPPORT EQUIPMENT

The following equipment was used as local support equipment for testing:

Manufacturer	Model	Description	Serial Number	FCC ID
Dell	Inspiron 1501	Laptop	-	-
PowerDsine	PowerDsine 9001G	POE Injector	D0945650000058BA00	-
<i>Dell</i>	<i>Inspiron 4150</i>	<i>Laptop</i>	-	-

The italicized device was the client device.

EUT INTERFACE PORTS

The I/O cabling configuration during testing was as follows:

Port	Connected To	Cable(s)		
		Description	Shielded/ Unshielded	Length (m)
POE	POE Injector	CAT-5	Unshielded	5.0
Serial Port	USB/Serial Adapter to Laptop	CAT-5 to Serial	Unshielded	6.0

EUT OPERATION

The EUT was operating with the following software. The software is secured by password protection to prevent the user from disabling the DFS function.

Master Device: 5.10.128.0

The manufacturer provided special software that over-rode the non-occupancy mechanism (allowing return to the same channel) for the purposes of determining the probability of detection. This test feature was disabled and the normal operating software enabled for verifying the 30-minute non-occupancy period and channel move time.

The start of the Channel Availability Check was the instant the command to change channel was sent.

During the in-service monitoring detection probability and channel moving tests the system was configured with a streaming video file from the master device (sourced by the PC connected to the master device via an Ethernet interface) to the client device.

The streamed file was the “FCC” test file and the client device was using Windows Media Player Classic as required by FCC Part 15 Subpart E

RADAR WAVEFORMS

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

Table 2 FCC Long Pulse Radar Test Waveforms							
Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Pulses / burst	Number of Bursts	Minimum Detection Percentage	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 3 FCC Frequency Hopping Radar Test Waveforms							
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses / hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Detection Percentage	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

TEST RESULTS**TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE****Table 4 FCC Part 15 Subpart E Client Device Test Result Summary (20MHz)**

Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5500 MHz	64.7s	$\geq 60s$	Appendix D	PASS
CAC Detection Threshold	Type 1	5500 MHz	-63dBm	-64dBm (See note 2)	Appendix D	PASS
In-Service Monitoring Detection Threshold	1, 2, 3, 4, 5, 6	5700 MHz (5300 MHz for Bin 5)	-63dBm (note 2)	-64dBm (See note 2)	Appendix B	PASS
Bandwidth Detection	Type 1	Varies	17 MHz	80% of the 99% BW	-	PASS
Channel closing transmission time	Type 1 Type 5	5300 MHz 5300 MHz	32.2ms 0ms	$\leq 260ms$	Appendix C	PASS
Channel move time	Type 1 Type 5	5300 MHz 5300 MHz	4.1s 0s	$\leq 10s$	Appendix C	PASS
Non-occupancy period	-	5500 MHz	-	> 30 minutes	Appendix C	PASS
Uniform Loading		-	-	Uniform Loading	Refer to operational description	PASS

Table 5 FCC Part 15 Subpart E Client Device Test Result Summary (40MHz)

Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5270 MHz	64.7	$\geq 60s$	Appendix D	PASS
CAC Detection Threshold	Type 1	5500 MHz	-63dBm	-64dBm (See note 2)	Appendix D	PASS
In-Service Monitoring Detection Threshold	1, 2, 3, 4, 5, 6	5670 MHz (5300 MHz for Bin 5)	-63dBm (note 2)	-64dBm (See note 2)	Appendix B	PASS
Bandwidth Detection	Type 1	Varies	36 MHz	80% of the 99% BW	-	PASS
Channel closing transmission time	Type 1 Type 5	5510 MHz 5550 MHz	22.2ms 0ms	$\leq 260ms$	Appendix C	PASS
Channel move time	Type 1 Type 5	5270 MHz 5670 MHz	4.1s 0s	$\leq 10s$	Appendix C	PASS
Uniform Loading		-	-	Uniform Loading	Refer to operational description	PASS

Notes:

- 1) Tests were performed using the radiated test method.
- 2) The measured detection threshold is based on testing the master device using the radiated test method. The limit is based on an eirp of more than 23dBm..
- 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.

MEASUREMENT UNCERTAINTIES

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level, with a coverage factor ($k=2$) and were calculated in accordance with UKAS document LAB 34.

Measurement	Measurement Unit	Expanded Uncertainty
Timing (Channel move time, aggregate transmission time)	ms	Timing resolution +/- 0.24%
Timing (non occupancy period)	seconds	5 seconds
DFS Threshold (radiated)	dBm	1.6
DFS Threshold (conducted)	dBm	1.2

DFS TEST METHODS

RADIATED TEST METHOD

The combination of master and slave devices is located in an anechoic chamber. The simulated radar waveform is transmitted from a directional horn antenna (typically an EMCO 3115) toward the unit performing the radar detection (radar detection device, RDD). Every effort is made to ensure that the main beam of the EUT's antenna is aligned with the radar-generating antenna.

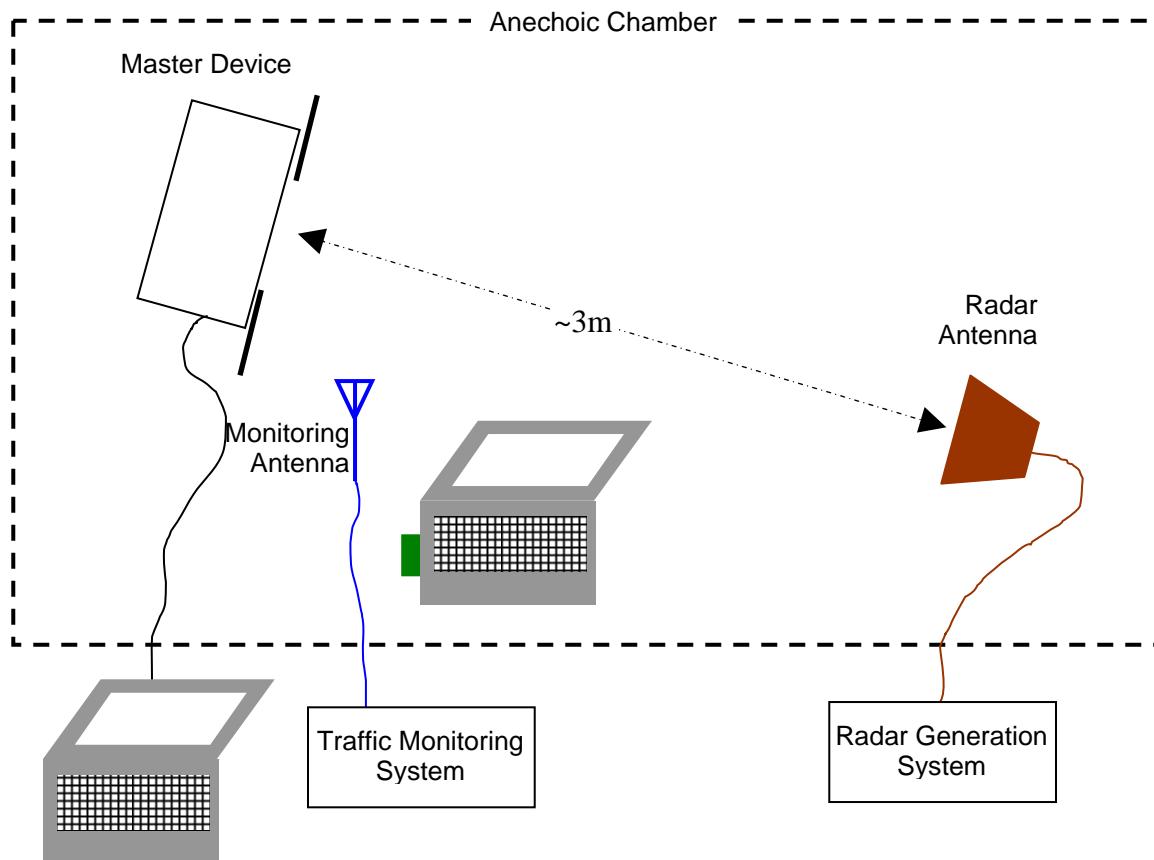


Figure 1 Test Configuration for radiated Measurement Method

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

An Agilent PSG is used as the radar-generating source. The integral arbitrary waveform generators are programmed using Agilent's "Pulse Building" software and Elliott custom software to produce the required waveforms, with the capability to produce both unmodulated and modulated (FM Chirp) pulses. Where there are multiple values for a specific radar parameter then the software selects a value at random and, for FCC tests, the software verifies that the resulting waveform is truly unique.

With the exception of the hopping waveforms required by the FCC's rules (see below), the radar generator is set to a single frequency within the radar detection bandwidth of the EUT. The frequency is varied from trial to trial by stepping in 5MHz steps.

Frequency hopping radar waveforms are simulated using a time domain model. A randomly hopping sequence algorithm (which uses each channel in the hopping radar's range once in a hopping sequence) generates a hop sequence. A segment of the first 100 elements of the hop sequence are then examined to determine if it contains one or more frequencies within the radar detection bandwidth of the EUT. If it does not then the first element of the segment is discarded and the next frequency in the sequence is added. The process repeats until a valid segment is produced. The radar system is then programmed to produce bursts at time slots coincident with the frequencies within the segment that fall in the detection bandwidth. The frequency of the generator is stepped in 1 MHz increments across the EUT's detection range.

The radar signal level is verified during testing using a CW signal with the AGC function switched on. Correction factors to account for the fact that pulses are generated with the AGC functions switched off are measured annually and an offset is used to account for this in the software.

The generator output is connected to the coupling port of the conducted set-up or to the radar-generating antenna.

CHANNEL MONITORING SYSTEM

Channel monitoring is achieved using a spectrum analyzer and digital storage oscilloscope. The analyzer is configured in a zero-span mode, center frequency set to the radar waveform's frequency or the center frequency of the EUT's operating channel. The IF output of the analyzer is connected to one input of the oscilloscope.

A signal generator output is set to send either the modulating signal directly or a pulse gate with an output pulse co-incident with each radar pulse. This output is connected to a second input on the oscilloscope and the oscilloscope displays both the channel traffic (via the if input) and the radar pulses on its display.

For in service monitoring tests the analyzer sweep time is set to > 20 seconds and the oscilloscope is configured with a data record length of 10 seconds for the short duration and frequency hopping waveforms, 20 seconds for the long duration waveforms. Both instruments are set for a single acquisition sequence. The analyzer is triggered 500ms before the start of the waveform and the oscilloscope is triggered directly by the modulating pulse train. Timing measurements for aggregate channel transmission time and channel move time are made from the oscilloscope data, with the end of the waveform clearly identified by the pulse train on one trace. The analyzer trace data is used to confirm that the last transmission occurred within the 10-second record of the oscilloscope. If necessary the record length of the oscilloscope is expanded to capture the last transmission on the channel prior to the channel move.

Channel availability check time timing plots are made using the analyzer. The analyzer is triggered at start of the EUT's channel availability check and used to verify that the EUT does not transmit when radar is applied during the check time.

The analyzer detector and oscilloscope sampling mode is set to peak detect for all plots.

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

The radar detection bandwidth is determined by using FCC radar waveform 1 and applying radar pulses at offsets from the center channel frequency by multiples of 1MHz. These bursts are applied with no traffic on the channel. The first frequencies above and below the center channel frequency that have a detection rate below 90% define the radar bandwidth, the actual range being 1MHz below the upper frequency and 1MHz above the lower frequency.

DFS - CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME

Channel clearing and closing times are measured by applying a burst of radar with the device configured to change channel and by observing the channel for transmissions. The time between the end of the applied radar waveform and the final transmission on the channel is the channel move time.

The aggregate transmission closing time is measured in one of two ways:

FCC – the total time of all individual transmissions from the EUT that are observed starting 200ms at the end of the last radar pulse in the waveform. This value is required to be less than 60ms.

DFS - CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

The channel that was in use prior to radar detection by the master is additionally monitored for 30 minutes to ensure no transmissions on the vacated channel over the required non-occupancy period. This is achieved by tuning the spectrum analyzer to the vacated channel in zero-span mode and connecting the IF output to an oscilloscope. The oscilloscope is triggered by the radar pulse and set to provide a single sweep (in peak detect mode) that lasts for at least 30 minutes after the end of the channel move time.

DFS CHANNEL AVAILABILITY CHECK TIME

It is preferred that the EUT report when it starts the radar channel availability check. If the EUT does not report the start of the check time, then the time to start transmitting on a channel after switching the device on is measured to approximate the time from power-on to the end of the channel availability check. The start of the channel availability check is assumed to be 60 seconds prior to the first transmission on the channel.

To evaluate the channel availability check, a single burst of one radar type is applied within the first 2 seconds of the start of the channel availability check and it is verified that the device does not use the channel by continuing to monitor the channel for a period of at least 60 seconds. The test is repeated by applying a burst of radar in the last 2 seconds (i.e. between 58 and 60 seconds after the start of CAC when evaluating a 60-second CAC) of the channel availability check.

UNIFORM LOADING

Compliance with the FCC's channel loading requirement is demonstrated through the manufacturer's operational description for the device under test.

Compliance with the EN 301 893 channel loading requirement, where appropriate (i.e. when channel selection is not determined under control of the network), is demonstrated by power cycling the product multiple times and recording the channel selected for use. The distribution of channels is compared against a probabilistic channel selection to verify that the distribution falls within the expected random distribution (i.e. $1/n$ probability for each channel, given n channels) for the number of trials performed.

TRANSMIT POWER CONTROL (TPC)

Compliance with the transmit power control requirements for devices is demonstrated through measurements showing multiple power levels and manufacturer statements explaining how the power control is implemented.

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

The detection probability, or success rate, for any one radar waveform equals the number of successful trials divided by the total number of trials for that waveform.

In the case of the FCC requirements, for radar waveform types 1 through 4 an additional calculation is made to determine the average detection probability over all four radar waveform types. This calculation is the arithmetic mean of the four individual probabilities.

THRESHOLD LEVEL

The threshold level is the level of the simulated radar waveform at the EUT's antenna. If the test is performed in a conducted fashion then the level at the rf input equals the level at the antenna plus the gain of the antenna assembly, in dBi. The gain of the antenna assembly equals the gain of the antenna minus the loss of the cabling between the rf input and the antenna. The lowest gain value for all antenna assemblies intended for use with the device is used when making this calculation.

If the test is performed using the radiated method then the threshold level is the level at the antenna.

Appendix A Test Equipment Calibration Data

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Asset #</u>	<u>Cal Due</u>
Hewlett Packard	EMC Analyzer	8593EM	780	1/5/2011
Tektronix	Oscilloscope	TDS 5052B	2118	VBU
Agilent	PSG Vector Signal Generator	E8267C	1877	3/24/2012
EMCO	1-18GHz Horn Antenna	3115	478	7/15/2010

Appendix B Test Data Tables for Radar Detection Probability

The plot below shows the channel loading during testing as evaluated over a 1 second period. The traffic was generated by streaming the FCC movie file.

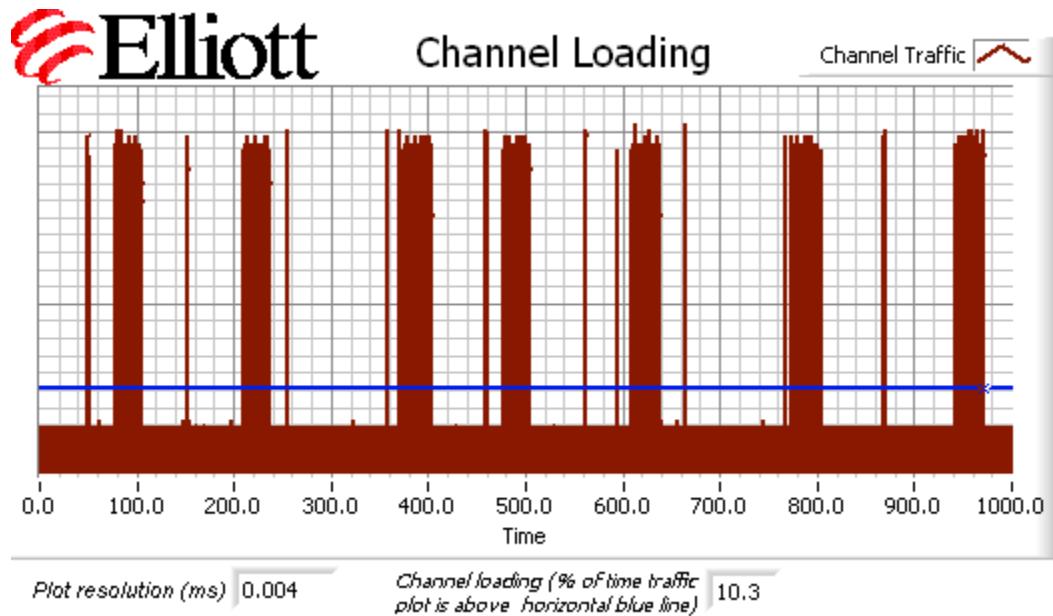


Figure 2 Channel Utilization During In-Service Detection Measurements (5700 MHz)

Table 6 - 802.11a/n 20MHzDetection Bandwidth Measurements (Bandwidth: +8MHz /-9MHz)

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5290.00 MHz	1	3	25
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5291.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5292.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5293.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5294.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5295.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5296.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5297.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5298.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5299.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5300.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5301.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5302.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5303.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5304.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5305.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5306.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5307.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5308.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5309.00 MHz	2	3	40

Table 7 - 802.11a/n 40MHzDetection Bandwidth Measurements (Bandwidth: +18MHz /-18MHz)

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	4	3	57
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5513.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5514.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5515.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5516.00 MHz	10	0	100

Table 7 - 802.11a/n 40MHzDetection Bandwidth Measurements (Bandwidth: +18MHz /-18MHz)

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5517.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5518.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5519.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5520.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5528.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5529.00 MHz	1	3	25

Table 8 - Summary of All Results - 20MHz

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	86.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	73.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	83.3 %	60.0 %	30	PASSED
Aggregate of above results	84.2 %	80.0 %	120	PASSED
FCC frequency hopping radar (Type 6)	97.1 %	70.0 %	34	PASSED
Long Sequence	83.9 %	80.0 %	31	PASSED

Table 9 - Summary of All Results - 40MHz

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	70.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	90.0 %	60.0 %	30	PASSED
Aggregate of above results	87.5 %	80.0 %	120	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	37	PASSED
Long Sequence	83.3 %	80.0 %	30	Passed

Table 10 - FCC Short Pulse Radar (Type 1) Results 20MHz

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:19:22 PM)
2	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:19:31 PM)
3	18	1.0	1428.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:19:39 PM)
4	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:19:51 PM)
5	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:20:00 PM)
6	18	1.0	1428.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:20:08 PM)
7	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:20:18 PM)
8	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:20:26 PM)
9	18	1.0	1428.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:20:33 PM)
10	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:20:42 PM)
11	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:20:49 PM)
12	18	1.0	1428.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:20:57 PM)
13	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:21:04 PM)
14	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:21:12 PM)

Table 10 - FCC Short Pulse Radar (Type 1) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	18	1.0	1428.0	No	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:21:20 PM)
16	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:21:29 PM)
17	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:21:37 PM)
18	18	1.0	1428.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:21:44 PM)
19	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:21:52 PM)
20	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:22:00 PM)
21	18	1.0	1428.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:22:09 PM)
22	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:22:16 PM)
23	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:22:24 PM)
24	18	1.0	1428.0	No	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:22:32 PM)
25	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:22:40 PM)
26	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:22:47 PM)
27	18	1.0	1428.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:22:56 PM)
28	18	1.0	1428.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:23:05 PM)
29	18	1.0	1428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:23:15 PM)
30	18	1.0	1428.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:23:22 PM)

Table 11 - FCC Short Pulse Radar (Type 2) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	26	1.6	151.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:25:19 PM)
2	23	2.2	183.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:25:30 PM)
3	27	2.4	186.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:25:38 PM)
4	28	3.6	191.0	No	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:25:48 PM)
5	27	3.0	198.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:25:59 PM)
6	24	4.2	211.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:26:08 PM)
7	27	2.0	221.0	No	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:26:16 PM)
8	24	1.8	188.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:26:25 PM)

Table 11 - FCC Short Pulse Radar (Type 2) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	25	2.1	173.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:26:35 PM)
10	24	4.6	196.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:26:44 PM)
11	25	2.7	189.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:26:52 PM)
12	26	3.3	229.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:27:00 PM)
13	27	2.0	209.0	No	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:27:09 PM)
14	27	4.0	160.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:27:19 PM)
15	27	1.1	171.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:27:27 PM)
16	25	2.1	166.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:27:34 PM)
17	28	2.4	177.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:27:42 PM)
18	26	3.3	164.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:27:50 PM)
19	27	3.3	219.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:27:58 PM)
20	24	2.2	202.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:28:06 PM)
21	25	4.8	188.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:28:21 PM)
22	28	3.7	153.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:28:30 PM)
23	26	1.6	200.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:28:39 PM)
24	23	1.3	177.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:28:49 PM)
25	27	2.3	218.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:28:58 PM)
26	26	3.6	230.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:29:06 PM)
27	28	1.1	227.0	No	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:29:17 PM)
28	24	4.0	160.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:29:27 PM)
29	24	2.5	223.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:29:39 PM)
30	28	3.4	155.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:29:48 PM)

Table 12 - FCC Short Pulse Radar (Type 3) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	7.5	233.0	No	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:08:05 PM)
2	17	9.1	254.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:08:16 PM)

Table 12 - FCC Short Pulse Radar (Type 3) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	17	7.8	419.0	No	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:08:24 PM)
4	17	8.0	266.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:08:34 PM)
5	17	8.6	202.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:08:43 PM)
6	18	6.5	464.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:08:54 PM)
7	17	6.9	313.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:09:02 PM)
8	18	9.5	229.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:09:10 PM)
9	17	6.3	427.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:09:20 PM)
10	18	8.8	204.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:09:29 PM)
11	17	6.7	239.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:09:39 PM)
12	16	6.8	321.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:09:47 PM)
13	16	8.4	373.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:09:56 PM)
14	16	6.2	252.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:10:08 PM)
15	17	8.6	329.0	No	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:10:17 PM)
16	18	6.3	254.0	No	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:10:28 PM)
17	18	8.9	232.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:10:41 PM)
18	17	9.3	429.0	No	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:10:50 PM)
19	16	7.3	381.0	No	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:11:00 PM)
20	16	9.0	485.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:11:10 PM)
21	18	8.1	289.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:11:20 PM)
22	16	7.4	262.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:11:29 PM)
23	17	9.8	416.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:11:37 PM)
24	16	9.1	219.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:11:45 PM)
25	16	9.8	377.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:11:53 PM)
26	17	8.7	289.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:12:01 PM)
27	17	6.6	219.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:12:09 PM)
28	17	9.9	227.0	No	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:12:17 PM)
29	16	9.4	488.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:12:27 PM)

Table 12 - FCC Short Pulse Radar (Type 3) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	18	8.2	451.0	No	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:12:36 PM)

Table 13 - FCC Short Pulse Radar (Type 4) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	14	14.0	336.0	No	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:13:16 PM)
2	12	16.4	384.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:13:28 PM)
3	15	12.4	437.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:13:36 PM)
4	12	14.3	277.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:13:44 PM)
5	15	15.9	296.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:13:54 PM)
6	15	12.0	201.0	No	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:14:37 PM)
7	14	13.0	254.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:14:46 PM)
8	12	16.2	225.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:14:56 PM)
9	14	18.6	237.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:15:05 PM)
10	14	19.1	318.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:15:14 PM)
11	13	15.4	497.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:15:22 PM)
12	14	16.3	216.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:15:32 PM)
13	13	16.7	382.0	No	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:15:42 PM)
14	15	18.5	264.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:15:50 PM)
15	15	12.3	333.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:16:01 PM)
16	16	16.0	405.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:16:11 PM)
17	15	19.2	329.0	No	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:16:20 PM)
18	16	19.9	367.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:16:28 PM)
19	15	17.3	317.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:16:37 PM)
20	13	11.6	410.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:16:46 PM)
21	14	15.0	302.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:17:01 PM)
22	14	15.6	463.0	No	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:17:10 PM)
23	14	17.9	427.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:17:19 PM)
24	16	12.5	286.0	Yes	5705.0MHz,	Single burst (06/18/2010 01:17:28

Table 13 - FCC Short Pulse Radar (Type 4) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-63.0dBm	PM)
25	15	12.4	404.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:17:36 PM)
26	16	16.0	427.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:17:48 PM)
27	14	19.3	439.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:17:56 PM)
28	13	12.8	344.0	Yes	5700.0MHz, -63.0dBm	Single burst (06/18/2010 01:18:05 PM)
29	13	14.6	428.0	Yes	5695.0MHz, -63.0dBm	Single burst (06/18/2010 01:18:14 PM)
30	12	11.8	226.0	Yes	5705.0MHz, -63.0dBm	Single burst (06/18/2010 01:18:22 PM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5707.0MHz, -63.0dBm	Hop sequence: 5534, 5520, 5546, 5671, 5627, 5612, 5430, 5390, 5560, 5656, 5286, 5318, 5646, 5267, 5352, 5396, 5351, 5477, 5591, 5516, 5634, 5664, 5654, 5595, 5530, 5391, 5433, 5604, 5505, 5436, 5551, 5440, 5366, 5464, 5312, 5395, 5602, 5458, 5691, 5277, 5663, 5300, 5630, 5363, 5437, 5510, 5290, 5490, 5577, 5259, 5570, 5506, 5463, 5700, 5260, 5611, 5287, 5336, 5657, 5371, 5698, 5590, 5661, 5480, 5554, 5718, 5348, 5665, 5297, 5715, 5616, 5619, 5419, 5722, 5632, 5422, 5599, 5460, 5571, 5489, 5342, 5345, 5409, 5672, 5304, 5410, 5293, 5305, 5640, 5677, 5467, 5417, 5573, 5471, 5399, 5713, 5518, 5529, 5491, 5284 (2 hits) (06/18/2010 01:48:56 PM)
2	9	1.0	333.0	Yes	5708.0MHz, -63.0dBm	Hop sequence: 5580, 5415, 5253, 5251, 5593, 5524, 5497, 5488, 5514, 5703, 5522, 5305, 5313, 5662, 5281, 5300, 5647, 5702, 5569, 5326, 5528, 5666, 5398, 5638, 5324, 5716, 5393, 5658, 5286, 5389, 5706, 5297, 5369, 5577, 5624, 5298, 5700, 5402, 5503, 5630, 5695, 5266, 5568, 5693, 5651, 5500, 5482, 5579, 5620, 5382, 5467, 5539, 5397, 5427, 5292, 5368, 5252, 5586, 5465, 5616, 5428, 5678, 5704, 5612, 5689, 5461, 5502, 5334, 5435, 5314, 5469, 5581, 5657, 5364, 5660, 5466, 5380, 5311, 5516, 5607, 5403, 5296, 5285, 5520, 5322, 5388, 5265, 5405, 5432, 5312, 5562, 5303, 5698, 5553, 5618, 5318, 5627, 5572, 5634, 5649 (8 hits) (06/18/2010 01:49:05 PM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5692.0MHz, -63.0dBm	Hop sequence: 5579, 5334, 5418, 5584, 5307, 5478, 5269, 5394, 5443, 5292, 5470, 5720, 5545, 5606, 5662, 5557, 5716, 5295, 5336, 5611, 5316, 5718, 5623, 5496, 5722, 5449, 5411, 5493, 5308, 5473, 5403, 5540, 5655, 5414, 5351, 5388, 5552, 5682, 5267, 5526, 5253, 5703, 5490, 5439, 5668, 5258, 5312, 5293, 5463, 5285, 5379, 5653, 5603, 5514, 5417, 5420, 5469, 5392, 5460, 5380, 5502, 5487, 5681, 5442, 5265, 5558, 5297, 5509, 5422, 5580, 5273, 5636, 5630, 5698, 5590, 5401, 5553, 5549, 5328, 5298, 5409, 5665, 5569, 5304, 5537, 5416, 5644, 5396, 5685, 5342, 5499, 5585, 5410, 5659, 5323, 5458, 5281, 5503, 5283, 5684 (2 hits) (06/18/2010 01:49:13 PM)
4	9	1.0	333.0	Yes	5693.0MHz, -63.0dBm	Hop sequence: 5635, 5411, 5575, 5614, 5658, 5568, 5496, 5260, 5282, 5608, 5681, 5725, 5570, 5612, 5512, 5581, 5495, 5454, 5708, 5531, 5385, 5611, 5696, 5596, 5297, 5700, 5460, 5424, 5719, 5281, 5464, 5308, 5723, 5594, 5347, 5686, 5294, 5557, 5327, 5690, 5578, 5582, 5485, 5509, 5674, 5422, 5629, 5714, 5366, 5438, 5269, 5685, 5317, 5504, 5625, 5289, 5492, 5649, 5706, 5571, 5671, 5536, 5312, 5436, 5711, 5680, 5342, 5410, 5651, 5405, 5535, 5471, 5662, 5628, 5293, 5468, 5564, 5623, 5665, 5586, 5426, 5479, 5268, 5692, 5715, 5698, 5390, 5285, 5377, 5403, 5600, 5518, 5320, 5358, 5453, 5720, 5343, 5383, 5392, 5470 (6 hits) (06/18/2010 01:50:18 PM)
5	9	1.0	333.0	No	5694.0MHz, -63.0dBm	Hop sequence: 5497, 5324, 5292, 5299, 5261, 5723, 5632, 5520, 5573, 5565, 5413, 5450, 5480, 5411, 5416, 5464, 5674, 5689, 5377, 5605, 5400, 5665, 5369, 5390, 5371, 5725, 5561, 5372, 5714, 5508, 5595, 5280, 5491, 5557, 5347, 5350, 5422, 5335, 5325, 5448, 5680, 5704, 5575, 5559, 5518, 5514, 5373, 5379, 5477, 5584, 5343, 5452, 5693,

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5538, 5367, 5396, 5472, 5404, 5468, 5631, 5492, 5264, 5281, 5590, 5551, 5425, 5259, 5262, 5652, 5545, 5307, 5352, 5255, 5275, 5659, 5398, 5381, 5531, 5489, 5267, 5558, 5651, 5505, 5616, 5535, 5437, 5519, 5533, 5671, 5613, 5635, 5295, 5460, 5589, 5427, 5388, 5315, 5637, 5722, 5679 (2 hits) (06/18/2010 01:50:27 PM)
6	9	1.0	333.0	Yes	5695.0MHz, -63.0dBm	Hop sequence: 5604, 5473, 5650, 5591, 5541, 5258, 5496, 5341, 5479, 5520, 5718, 5348, 5463, 5540, 5317, 5266, 5276, 5451, 5514, 5717, 5554, 5265, 5689, 5528, 5283, 5268, 5392, 5484, 5443, 5489, 5366, 5281, 5358, 5292, 5524, 5701, 5462, 5566, 5397, 5488, 5346, 5367, 5305, 5321, 5569, 5468, 5413, 5306, 5432, 5373, 5353, 5667, 5402, 5546, 5403, 5314, 5638, 5404, 5589, 5382, 5700, 5337, 5547, 5501, 5571, 5320, 5356, 5316, 5480, 5624, 5509, 5255, 5506, 5387, 5530, 5372, 5605, 5344, 5455, 5659, 5695, 5311, 5294, 5601, 5408, 5425, 5682, 5285, 5426, 5340, 5450, 5428, 5304, 5548, 5533, 5673, 5590, 5577, 5498, 5476 (3 hits) (06/18/2010 01:50:39 PM)
7	9	1.0	333.0	Yes	5696.0MHz, -63.0dBm	Hop sequence: 5438, 5689, 5717, 5639, 5275, 5630, 5285, 5654, 5680, 5478, 5550, 5299, 5482, 5263, 5509, 5450, 5289, 5719, 5321, 5690, 5364, 5487, 5640, 5254, 5709, 5336, 5356, 5494, 5688, 5602, 5615, 5261, 5660, 5477, 5540, 5379, 5563, 5368, 5486, 5330, 5505, 5652, 5278, 5481, 5255, 5594, 5397, 5411, 5722, 5570, 5606, 5331, 5545, 5460, 5608, 5612, 5398, 5628, 5712, 5371, 5264, 5315, 5290, 5347, 5292, 5416, 5623, 5497, 5598, 5631, 5432, 5252, 5708, 5625, 5633, 5400, 5499, 5377, 5291, 5342, 5624, 5699, 5452, 5376, 5543, 5613, 5519, 5707, 5406, 5251, 5355, 5715, 5706, 5524, 5340, 5579, 5325, 5491, 5703, 5507 (5 hits) (06/18/2010 01:50:50 PM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5697.0MHz, -63.0dBm	Hop sequence: 5373, 5457, 5262, 5425, 5623, 5683, 5365, 5420, 5506, 5268, 5449, 5304, 5395, 5325, 5292, 5711, 5435, 5417, 5635, 5723, 5479, 5333, 5709, 5535, 5452, 5464, 5285, 5675, 5445, 5351, 5553, 5492, 5341, 5256, 5277, 5386, 5649, 5296, 5529, 5330, 5400, 5288, 5349, 5481, 5455, 5463, 5472, 5389, 5336, 5271, 5490, 5466, 5357, 5407, 5356, 5579, 5708, 5599, 5398, 5627, 5418, 5342, 5261, 5661, 5272, 5346, 5656, 5273, 5350, 5367, 5382, 5724, 5286, 5609, 5714, 5674, 5343, 5583, 5432, 5620, 5469, 5586, 5615, 5595, 5712, 5458, 5315, 5358, 5310, 5540, 5653, 5693, 5456, 5465, 5509, 5510, 5612, 5617, 5658, 5329 (2 hits) (06/18/2010 01:51:07 PM)
9	9	1.0	333.0	Yes	5698.0MHz, -63.0dBm	Hop sequence: 5524, 5458, 5665, 5346, 5721, 5316, 5434, 5574, 5603, 5324, 5514, 5564, 5413, 5528, 5437, 5318, 5515, 5278, 5614, 5255, 5522, 5332, 5656, 5436, 5710, 5546, 5527, 5368, 5517, 5277, 5261, 5349, 5672, 5501, 5681, 5642, 5269, 5634, 5459, 5608, 5669, 5670, 5572, 5347, 5329, 5406, 5292, 5491, 5303, 5581, 5662, 5448, 5709, 5308, 5496, 5440, 5370, 5715, 5492, 5636, 5631, 5688, 5559, 5384, 5694, 5497, 5263, 5339, 5691, 5652, 5563, 5551, 5444, 5390, 5661, 5696, 5547, 5447, 5385, 5706, 5442, 5367, 5387, 5312, 5513, 5377, 5512, 5465, 5483, 5468, 5612, 5375, 5399, 5441, 5451, 5586, 5682, 5335, 5621, 5352 (3 hits) (06/18/2010 01:51:15 PM)
10	9	1.0	333.0	Yes	5699.0MHz, -63.0dBm	Hop sequence: 5281, 5607, 5511, 5527, 5576, 5382, 5435, 5655, 5359, 5416, 5574, 5593, 5559, 5437, 5538, 5398, 5571, 5509, 5598, 5513, 5551, 5270, 5541, 5502, 5340, 5308, 5426, 5466, 5353, 5455, 5268, 5677, 5672, 5622, 5643, 5486, 5463, 5338, 5625, 5575, 5602, 5535, 5510, 5590, 5329, 5628, 5385, 5476, 5713, 5549, 5434, 5427, 5521,

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5365, 5645, 5390, 5487, 5710, 5601, 5286, 5278, 5675, 5615, 5373, 5630, 5676, 5394, 5396, 5699, 5526, 5528, 5440, 5439, 5637, 5277, 5636, 5423, 5616, 5257, 5297, 5326, 5253, 5285, 5407, 5339, 5659, 5321, 5560, 5517, 5546, 5702, 5721, 5682, 5533, 5652, 5660, 5717, 5320, 5599, 5456 (2 hits) (06/18/2010 01:51:24 PM)
11	9	1.0	333.0	Yes	5700.0MHz, -63.0dBm	Hop sequence: 5363, 5456, 5717, 5270, 5403, 5302, 5338, 5445, 5325, 5490, 5567, 5527, 5647, 5444, 5593, 5252, 5555, 5279, 5452, 5630, 5708, 5520, 5428, 5395, 5458, 5528, 5405, 5578, 5726, 5431, 5482, 5682, 5332, 5697, 5618, 5306, 5665, 5577, 5692, 5611, 5460, 5331, 5416, 5623, 5597, 5511, 5710, 5584, 5464, 5344, 5559, 5284, 5481, 5432, 5321, 5449, 5698, 5465, 5544, 5461, 5264, 5641, 5569, 5427, 5296, 5650, 5387, 5509, 5586, 5292, 5574, 5447, 5274, 5668, 5615, 5446, 5626, 5691, 5308, 5301, 5663, 5496, 5688, 5309, 5378, 5575, 5294, 5546, 5436, 5258, 5531, 5612, 5398, 5276, 5581, 5634, 5362, 5606, 5433, 5326 (4 hits) (06/18/2010 01:51:34 PM)
12	9	1.0	333.0	Yes	5701.0MHz, -63.0dBm	Hop sequence: 5628, 5599, 5291, 5437, 5656, 5379, 5387, 5357, 5501, 5290, 5370, 5324, 5582, 5373, 5614, 5616, 5403, 5664, 5608, 5648, 5377, 5311, 5482, 5661, 5673, 5684, 5688, 5410, 5443, 5709, 5704, 5575, 5509, 5530, 5586, 5677, 5430, 5438, 5393, 5617, 5325, 5359, 5447, 5251, 5498, 5567, 5529, 5252, 5265, 5428, 5600, 5297, 5355, 5515, 5351, 5702, 5541, 5276, 5533, 5719, 5458, 5577, 5307, 5396, 5406, 5512, 5372, 5401, 5619, 5542, 5258, 5566, 5610, 5660, 5345, 5389, 5281, 5285, 5469, 5513, 5534, 5358, 5576, 5329, 5708, 5725, 5282, 5380, 5491, 5678, 5303, 5330, 5645, 5344, 5397, 5334, 5579, 5296, 5452, 5555 (3 hits) (06/18/2010 01:51:44 PM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5702.0MHz, -63.0dBm	Hop sequence: 5569, 5602, 5365, 5478, 5683, 5656, 5389, 5460, 5390, 5342, 5587, 5663, 5289, 5696, 5412, 5306, 5500, 5679, 5655, 5530, 5556, 5377, 5427, 5331, 5591, 5401, 5329, 5493, 5376, 5321, 5507, 5504, 5482, 5479, 5357, 5575, 5471, 5251, 5407, 5490, 5622, 5297, 5419, 5526, 5271, 5653, 5303, 5481, 5318, 5674, 5483, 5473, 5270, 5345, 5706, 5310, 5547, 5541, 5448, 5302, 5613, 5705, 5688, 5403, 5621, 5630, 5580, 5624, 5607, 5435, 5649, 5295, 5307, 5382, 5422, 5634, 5349, 5265, 5678, 5725, 5508, 5470, 5263, 5605, 5713, 5324, 5325, 5476, 5436, 5571, 5457, 5566, 5299, 5388, 5451, 5429, 5708, 5253, 5592, 5370 (4 hits) (06/18/2010 01:52:22 PM)
14	9	1.0	333.0	Yes	5703.0MHz, -63.0dBm	Hop sequence: 5618, 5642, 5632, 5429, 5533, 5304, 5621, 5460, 5695, 5492, 5648, 5370, 5430, 5445, 5432, 5261, 5685, 5401, 5426, 5336, 5283, 5675, 5497, 5371, 5624, 5393, 5420, 5383, 5511, 5540, 5344, 5309, 5508, 5529, 5346, 5502, 5619, 5702, 5379, 5294, 5558, 5722, 5689, 5310, 5616, 5688, 5573, 5424, 5459, 5649, 5645, 5258, 5315, 5270, 5638, 5361, 5427, 5534, 5686, 5421, 5368, 5348, 5376, 5477, 5291, 5666, 5347, 5644, 5716, 5522, 5708, 5581, 5337, 5714, 5568, 5480, 5448, 5589, 5464, 5561, 5656, 5586, 5673, 5423, 5723, 5418, 5470, 5615, 5298, 5679, 5398, 5295, 5435, 5607, 5579, 5300, 5255, 5623, 5690, 5518 (3 hits) (06/18/2010 01:52:34 PM)
15	9	1.0	333.0	Yes	5704.0MHz, -63.0dBm	Hop sequence: 5404, 5550, 5417, 5584, 5489, 5594, 5319, 5369, 5351, 5677, 5333, 5300, 5439, 5299, 5424, 5614, 5406, 5712, 5683, 5709, 5272, 5519, 5430, 5589, 5556, 5486, 5318, 5376, 5561, 5438, 5545, 5261, 5539, 5383, 5538, 5453, 5724, 5320, 5514, 5657, 5600, 5307, 5707, 5583, 5663, 5289, 5496, 5323, 5436, 5616, 5628, 5643, 5389,

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5635, 5367, 5590, 5259, 5689, 5654, 5385, 5675, 5472, 5446, 5682, 5634, 5407, 5325, 5661, 5615, 5544, 5366, 5697, 5652, 5253, 5547, 5595, 5402, 5658, 5467, 5277, 5302, 5361, 5495, 5543, 5363, 5441, 5645, 5335, 5342, 5607, 5474, 5331, 5708, 5449, 5394, 5255, 5620, 5573, 5315, 5301 (3 hits) (06/18/2010 01:52:44 PM)
16	9	1.0	333.0	Yes	5705.0MHz, -63.0dBm	Hop sequence: 5543, 5315, 5608, 5606, 5453, 5655, 5313, 5533, 5640, 5538, 5657, 5434, 5555, 5392, 5572, 5500, 5615, 5600, 5724, 5344, 5343, 5461, 5630, 5604, 5257, 5300, 5436, 5412, 5384, 5281, 5506, 5550, 5698, 5407, 5688, 5276, 5527, 5642, 5619, 5496, 5417, 5381, 5331, 5666, 5314, 5532, 5673, 5293, 5483, 5503, 5397, 5411, 5567, 5652, 5253, 5425, 5316, 5287, 5480, 5475, 5367, 5654, 5719, 5345, 5626, 5583, 5701, 5678, 5649, 5374, 5537, 5494, 5631, 5330, 5535, 5598, 5552, 5390, 5559, 5512, 5601, 5569, 5283, 5406, 5448, 5707, 5686, 5270, 5364, 5342, 5718, 5366, 5493, 5486, 5391, 5709, 5375, 5427, 5726, 5456 (3 hits) (06/18/2010 01:52:59 PM)
17	9	1.0	333.0	Yes	5706.0MHz, -63.0dBm	Hop sequence: 5553, 5652, 5378, 5274, 5671, 5675, 5432, 5605, 5444, 5365, 5703, 5498, 5497, 5685, 5627, 5273, 5418, 5344, 5360, 5266, 5278, 5711, 5374, 5633, 5356, 5457, 5523, 5672, 5345, 5597, 5707, 5350, 5690, 5390, 5573, 5508, 5528, 5595, 5688, 5506, 5668, 5533, 5511, 5489, 5351, 5270, 5649, 5674, 5373, 5417, 5259, 5283, 5477, 5521, 5475, 5472, 5326, 5527, 5636, 5487, 5615, 5500, 5284, 5502, 5699, 5583, 5456, 5399, 5702, 5693, 5392, 5433, 5650, 5290, 5430, 5536, 5488, 5667, 5379, 5561, 5700, 5552, 5712, 5478, 5471, 5503, 5598, 5428, 5701, 5292, 5589, 5282, 5410, 5279, 5721, 5616, 5334, 5560, 5614, 5513 (7 hits) (06/18/2010 01:53:07 PM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5707.0MHz, -63.0dBm	Hop sequence: 5553, 5593, 5278, 5626, 5383, 5625, 5281, 5683, 5396, 5312, 5349, 5405, 5386, 5294, 5341, 5559, 5302, 5409, 5347, 5717, 5497, 5650, 5458, 5532, 5268, 5339, 5713, 5719, 5455, 5531, 5370, 5427, 5517, 5443, 5665, 5465, 5603, 5678, 5253, 5674, 5381, 5568, 5404, 5614, 5284, 5622, 5371, 5523, 5280, 5627, 5304, 5608, 5541, 5535, 5526, 5654, 5722, 5305, 5292, 5360, 5298, 5716, 5574, 5261, 5368, 5577, 5479, 5500, 5345, 5285, 5711, 5630, 5533, 5558, 5323, 5385, 5610, 5616, 5525, 5607, 5652, 5656, 5348, 5440, 5687, 5498, 5567, 5690, 5338, 5511, 5646, 5474, 5313, 5447, 5431, 5565, 5320, 5414, 5413, 5694 (1 hits) (06/18/2010 01:53:28 PM)
19	9	1.0	333.0	Yes	5708.0MHz, -63.0dBm	Hop sequence: 5422, 5378, 5537, 5652, 5307, 5335, 5484, 5374, 5725, 5707, 5608, 5517, 5618, 5705, 5393, 5275, 5365, 5373, 5586, 5716, 5308, 5313, 5470, 5674, 5538, 5515, 5659, 5394, 5703, 5331, 5251, 5543, 5549, 5496, 5684, 5663, 5352, 5584, 5443, 5631, 5568, 5382, 5679, 5354, 5622, 5507, 5371, 5450, 5603, 5372, 5695, 5459, 5643, 5577, 5672, 5405, 5431, 5385, 5286, 5581, 5669, 5264, 5410, 5670, 5386, 5699, 5292, 5524, 5489, 5526, 5336, 5642, 5303, 5325, 5706, 5402, 5615, 5322, 5578, 5590, 5446, 5438, 5276, 5498, 5563, 5573, 5660, 5704, 5304, 5593, 5469, 5702, 5651, 5680, 5630, 5452, 5289, 5545, 5596, 5647 (8 hits) (06/18/2010 01:53:40 PM)
20	9	1.0	333.0	Yes	5692.0MHz, -63.0dBm	Hop sequence: 5264, 5633, 5500, 5346, 5507, 5285, 5415, 5499, 5626, 5320, 5550, 5348, 5526, 5395, 5451, 5397, 5592, 5602, 5591, 5581, 5270, 5622, 5436, 5657, 5659, 5324, 5678, 5566, 5551, 5575, 5582, 5294, 5706, 5453, 5357, 5423, 5648, 5679, 5708, 5573, 5477, 5302, 5350, 5691, 5607, 5665, 5542, 5378, 5675, 5695, 5552, 5341, 5332,

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5352, 5339, 5655, 5425, 5666, 5292, 5544, 5464, 5315, 5258, 5334, 5512, 5600, 5663, 5563, 5599, 5301, 5651, 5699, 5375, 5536, 5327, 5446, 5434, 5514, 5652, 5386, 5562, 5486, 5722, 5717, 5284, 5647, 5560, 5672, 5325, 5283, 5281, 5578, 5712, 5409, 5631, 5407, 5311, 5299, 5408, 5685 (4 hits) (06/18/2010 01:53:52 PM)
21	9	1.0	333.0	Yes	5693.0MHz, -63.0dBm	Hop sequence: 5454, 5311, 5428, 5530, 5251, 5475, 5591, 5704, 5268, 5401, 5541, 5267, 5490, 5536, 5509, 5300, 5593, 5485, 5486, 5517, 5624, 5364, 5335, 5329, 5296, 5366, 5667, 5513, 5265, 5495, 5493, 5660, 5283, 5713, 5590, 5525, 5272, 5431, 5299, 5277, 5301, 5712, 5336, 5631, 5655, 5320, 5669, 5587, 5414, 5467, 5636, 5684, 5699, 5675, 5539, 5610, 5291, 5302, 5473, 5433, 5612, 5420, 5596, 5365, 5402, 5261, 5616, 5604, 5337, 5436, 5681, 5578, 5284, 5379, 5425, 5349, 5557, 5380, 5512, 5518, 5385, 5281, 5316, 5555, 5705, 5484, 5651, 5471, 5690, 5711, 5725, 5619, 5411, 5703, 5641, 5346, 5656, 5527, 5372, 5702 (5 hits) (06/18/2010 01:54:05 PM)
22	9	1.0	333.0	Yes	5694.0MHz, -63.0dBm	Hop sequence: 5685, 5648, 5665, 5511, 5525, 5355, 5280, 5489, 5445, 5602, 5546, 5394, 5381, 5371, 5584, 5571, 5604, 5677, 5609, 5292, 5598, 5660, 5468, 5304, 5396, 5422, 5645, 5531, 5634, 5315, 5552, 5548, 5365, 5653, 5348, 5656, 5590, 5259, 5701, 5314, 5409, 5715, 5516, 5291, 5692, 5320, 5597, 5404, 5321, 5265, 5442, 5382, 5676, 5504, 5705, 5664, 5709, 5710, 5273, 5475, 5714, 5488, 5569, 5463, 5329, 5398, 5673, 5550, 5341, 5581, 5430, 5587, 5621, 5617, 5638, 5494, 5262, 5476, 5528, 5332, 5643, 5323, 5721, 5505, 5298, 5630, 5345, 5411, 5460, 5479, 5428, 5351, 5541, 5503, 5427, 5625, 5647, 5681, 5317, 5330 (3 hits) (06/18/2010 01:54:17 PM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5695.0MHz, -63.0dBm	Hop sequence: 5432, 5560, 5307, 5604, 5632, 5450, 5659, 5257, 5370, 5518, 5699, 5501, 5526, 5359, 5687, 5674, 5611, 5423, 5682, 5358, 5651, 5474, 5345, 5315, 5542, 5464, 5272, 5449, 5647, 5297, 5710, 5298, 5276, 5484, 5725, 5437, 5642, 5527, 5470, 5598, 5631, 5624, 5648, 5380, 5620, 5548, 5537, 5511, 5313, 5679, 5419, 5666, 5615, 5685, 5364, 5291, 5605, 5646, 5705, 5563, 5344, 5286, 5251, 5590, 5640, 5425, 5671, 5673, 5259, 5339, 5681, 5506, 5498, 5509, 5412, 5610, 5688, 5494, 5379, 5692, 5568, 5481, 5327, 5329, 5723, 5726, 5386, 5467, 5633, 5554, 5362, 5428, 5445, 5630, 5429, 5547, 5656, 5513, 5448, 5644 (3 hits) (06/18/2010 01:54:29 PM)
24	9	1.0	333.0	Yes	5696.0MHz, -63.0dBm	Hop sequence: 5693, 5268, 5416, 5683, 5627, 5264, 5354, 5413, 5490, 5617, 5629, 5618, 5538, 5596, 5656, 5594, 5508, 5499, 5398, 5383, 5563, 5497, 5724, 5350, 5489, 5646, 5676, 5436, 5306, 5647, 5412, 5371, 5435, 5287, 5494, 5519, 5286, 5289, 5687, 5418, 5556, 5300, 5342, 5555, 5512, 5620, 5292, 5344, 5368, 5513, 5295, 5475, 5319, 5692, 5343, 5509, 5297, 5543, 5567, 5448, 5671, 5303, 5261, 5520, 5472, 5725, 5443, 5477, 5405, 5482, 5545, 5566, 5609, 5644, 5421, 5622, 5586, 5598, 5553, 5384, 5721, 5635, 5318, 5334, 5381, 5702, 5652, 5411, 5638, 5718, 5578, 5502, 5474, 5367, 5503, 5364, 5265, 5432, 5279, 5376 (3 hits) (06/18/2010 01:54:40 PM)
25	9	1.0	333.0	Yes	5697.0MHz, -63.0dBm	Hop sequence: 5434, 5462, 5703, 5250, 5325, 5602, 5621, 5425, 5594, 5433, 5587, 5369, 5389, 5492, 5436, 5654, 5335, 5710, 5429, 5382, 5448, 5527, 5264, 5551, 5673, 5567, 5561, 5278, 5631, 5510, 5526, 5672, 5564, 5329, 5640, 5313, 5403, 5378, 5520, 5456, 5659, 5463, 5723, 5252, 5477, 5685, 5644, 5371, 5590, 5598, 5544, 5655, 5302,

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5688, 5431, 5670, 5493, 5712, 5374, 5481, 5519, 5272, 5355, 5362, 5409, 5277, 5698, 5413, 5545, 5376, 5470, 5515, 5531, 5331, 5275, 5300, 5682, 5444, 5358, 5284, 5412, 5666, 5528, 5461, 5718, 5708, 5549, 5522, 5503, 5595, 5387, 5322, 5645, 5686, 5443, 5377, 5408, 5435, 5296, 5608 (3 hits) (06/18/2010 01:55:01 PM)
26	9	1.0	333.0	Yes	5698.0MHz, -63.0dBm	Hop sequence: 5317, 5576, 5448, 5306, 5665, 5633, 5715, 5595, 5511, 5428, 5620, 5261, 5536, 5338, 5627, 5407, 5275, 5628, 5649, 5688, 5309, 5640, 5657, 5706, 5316, 5466, 5705, 5454, 5325, 5598, 5685, 5446, 5455, 5430, 5398, 5294, 5409, 5417, 5659, 5522, 5408, 5630, 5581, 5436, 5468, 5654, 5497, 5593, 5404, 5545, 5520, 5618, 5501, 5694, 5696, 5566, 5642, 5444, 5379, 5547, 5678, 5365, 5414, 5720, 5484, 5324, 5692, 5281, 5256, 5314, 5604, 5608, 5639, 5525, 5707, 5280, 5579, 5577, 5263, 5445, 5588, 5494, 5518, 5553, 5350, 5315, 5586, 5489, 5622, 5359, 5662, 5352, 5304, 5297, 5406, 5354, 5671, 5258, 5343, 5541 (6 hits) (06/18/2010 01:55:13 PM)
27	9	1.0	333.0	Yes	5699.0MHz, -63.0dBm	Hop sequence: 5626, 5399, 5437, 5638, 5390, 5261, 5364, 5567, 5615, 5404, 5722, 5560, 5660, 5349, 5321, 5362, 5700, 5338, 5531, 5504, 5343, 5317, 5640, 5441, 5611, 5384, 5434, 5255, 5392, 5614, 5416, 5583, 5368, 5365, 5602, 5468, 5496, 5401, 5584, 5254, 5312, 5582, 5661, 5417, 5396, 5706, 5424, 5656, 5653, 5466, 5511, 5681, 5293, 5307, 5678, 5481, 5572, 5335, 5291, 5685, 5478, 5308, 5461, 5620, 5693, 5564, 5658, 5651, 5412, 5451, 5725, 5613, 5589, 5435, 5453, 5259, 5697, 5713, 5373, 5684, 5643, 5475, 5342, 5530, 5369, 5327, 5309, 5393, 5352, 5298, 5621, 5398, 5691, 5720, 5436, 5389, 5428, 5709, 5503, 5433 (4 hits) (06/18/2010 01:55:21 PM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5700.0MHz, -63.0dBm	Hop sequence: 5677, 5550, 5403, 5505, 5302, 5291, 5354, 5645, 5493, 5435, 5724, 5309, 5680, 5412, 5539, 5551, 5322, 5566, 5456, 5265, 5592, 5503, 5514, 5596, 5715, 5251, 5463, 5524, 5530, 5261, 5252, 5329, 5373, 5693, 5378, 5528, 5663, 5604, 5254, 5402, 5418, 5276, 5298, 5563, 5687, 5640, 5655, 5321, 5268, 5489, 5285, 5543, 5471, 5451, 5546, 5529, 5627, 5445, 5618, 5444, 5527, 5709, 5622, 5662, 5701, 5482, 5698, 5387, 5718, 5473, 5366, 5531, 5407, 5633, 5697, 5465, 5706, 5274, 5669, 5440, 5656, 5694, 5390, 5436, 5361, 5277, 5481, 5668, 5264, 5409, 5508, 5357, 5381, 5462, 5517, 5686, 5367, 5572, 5343, 5661 (6 hits) (06/18/2010 01:55:40 PM)
29	9	1.0	333.0	Yes	5701.0MHz, -63.0dBm	Hop sequence: 5386, 5527, 5376, 5309, 5567, 5405, 5538, 5322, 5678, 5280, 5449, 5716, 5325, 5719, 5396, 5465, 5380, 5273, 5482, 5535, 5252, 5330, 5346, 5394, 5338, 5373, 5290, 5568, 5342, 5625, 5701, 5513, 5720, 5521, 5643, 5628, 5303, 5277, 5487, 5689, 5707, 5288, 5502, 5548, 5263, 5674, 5268, 5705, 5591, 5358, 5692, 5321, 5367, 5297, 5403, 5508, 5407, 5339, 5563, 5359, 5378, 5554, 5453, 5501, 5603, 5630, 5574, 5670, 5427, 5301, 5614, 5296, 5660, 5391, 5622, 5696, 5483, 5688, 5355, 5497, 5612, 5640, 5469, 5275, 5683, 5257, 5420, 5680, 5270, 5666, 5600, 5672, 5398, 5553, 5694, 5691, 5447, 5350, 5444, 5260 (6 hits) (06/18/2010 01:55:53 PM)
30	9	1.0	333.0	Yes	5702.0MHz, -63.0dBm	Hop sequence: 5489, 5572, 5421, 5430, 5568, 5560, 5323, 5300, 5652, 5442, 5663, 5468, 5360, 5368, 5269, 5372, 5294, 5348, 5548, 5321, 5335, 5640, 5655, 5545, 5402, 5301, 5293, 5628, 5349, 5678, 5517, 5270, 5471, 5537, 5340, 5667, 5387, 5322, 5645, 5271, 5555, 5660, 5530, 5666, 5345, 5564, 5428, 5716, 5610, 5474, 5630, 5636, 5314,

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5255, 5324, 5288, 5453, 5287, 5264, 5507, 5291, 5296, 5389, 5651, 5258, 5431, 5422, 5268, 5670, 5285, 5585, 5481, 5649, 5279, 5457, 5712, 5416, 5577, 5488, 5593, 5538, 5305, 5303, 5570, 5361, 5445, 5658, 5406, 5717, 5531, 5462, 5497, 5393, 5697, 5478, 5700, 5447, 5470, 5510, 5598 (2 hits) (06/18/2010 01:56:09 PM)
31	9	1.0	333.0	Yes	5703.0MHz, -63.0dBm	Hop sequence: 5596, 5465, 5443, 5425, 5444, 5615, 5257, 5377, 5427, 5704, 5275, 5528, 5471, 5547, 5369, 5660, 5326, 5606, 5497, 5367, 5537, 5393, 5397, 5365, 5634, 5692, 5349, 5585, 5269, 5505, 5256, 5643, 5534, 5333, 5352, 5388, 5466, 5359, 5298, 5273, 5432, 5262, 5426, 5721, 5437, 5419, 5683, 5714, 5265, 5693, 5571, 5614, 5633, 5261, 5431, 5413, 5277, 5389, 5268, 5439, 5724, 5371, 5705, 5568, 5496, 5546, 5360, 5336, 5531, 5255, 5655, 5575, 5314, 5457, 5387, 5485, 5708, 5428, 5463, 5267, 5567, 5657, 5259, 5285, 5250, 5672, 5621, 5698, 5640, 5686, 5610, 5503, 5322, 5579, 5635, 5624, 5629, 5584, 5467, 5677 (6 hits) (06/18/2010 01:56:22 PM)
32	9	1.0	333.0	Yes	5704.0MHz, -63.0dBm	Hop sequence: 5678, 5278, 5696, 5660, 5671, 5286, 5549, 5531, 5676, 5326, 5350, 5626, 5365, 5611, 5519, 5509, 5590, 5592, 5330, 5625, 5497, 5507, 5685, 5672, 5657, 5686, 5369, 5470, 5554, 5305, 5545, 5582, 5383, 5284, 5351, 5411, 5268, 5451, 5346, 5568, 5272, 5638, 5347, 5641, 5277, 5560, 5469, 5574, 5529, 5600, 5652, 5558, 5637, 5307, 5593, 5629, 5435, 5656, 5534, 5304, 5707, 5501, 5410, 5697, 5395, 5325, 5634, 5394, 5690, 5456, 5261, 5702, 5402, 5448, 5372, 5699, 5647, 5454, 5640, 5490, 5489, 5610, 5387, 5526, 5327, 5669, 5290, 5361, 5541, 5441, 5401, 5384, 5537, 5332, 5289, 5275, 5618, 5458, 5539, 5597 (5 hits) (06/18/2010 01:56:32 PM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5705.0MHz, -63.0dBm	Hop sequence: 5552, 5648, 5473, 5350, 5274, 5572, 5390, 5426, 5705, 5385, 5423, 5509, 5500, 5295, 5266, 5319, 5346, 5256, 5698, 5337, 5611, 5576, 5255, 5696, 5551, 5625, 5397, 5631, 5531, 5421, 5445, 5270, 5487, 5343, 5262, 5360, 5416, 5483, 5654, 5503, 5305, 5501, 5621, 5499, 5407, 5425, 5608, 5410, 5540, 5722, 5607, 5566, 5258, 5398, 5517, 5690, 5652, 5486, 5447, 5443, 5472, 5700, 5530, 5429, 5342, 5680, 5564, 5264, 5479, 5279, 5399, 5519, 5318, 5684, 5721, 5618, 5714, 5626, 5414, 5582, 5420, 5449, 5310, 5673, 5550, 5511, 5431, 5713, 5260, 5629, 5470, 5339, 5466, 5454, 5496, 5427, 5317, 5327, 5253, 5302 (4 hits) (06/18/2010 01:56:40 PM)
34	9	1.0	333.0	Yes	5706.0MHz, -63.0dBm	Hop sequence: 5455, 5682, 5424, 5587, 5406, 5379, 5261, 5678, 5313, 5505, 5592, 5563, 5710, 5323, 5398, 5567, 5382, 5349, 5599, 5329, 5370, 5363, 5353, 5694, 5280, 5591, 5654, 5589, 5372, 5637, 5679, 5437, 5283, 5677, 5291, 5650, 5422, 5672, 5578, 5308, 5624, 5269, 5371, 5339, 5315, 5465, 5287, 5433, 5352, 5318, 5331, 5645, 5663, 5483, 5644, 5574, 5659, 5271, 5609, 5723, 5350, 5457, 5614, 5708, 5462, 5405, 5660, 5321, 5515, 5704, 5276, 5263, 5441, 5362, 5456, 5396, 5722, 5296, 5607, 5606, 5394, 5310, 5275, 5431, 5697, 5459, 5426, 5373, 5718, 5513, 5537, 5496, 5712, 5571, 5388, 5510, 5328, 5511, 5306, 5530 (4 hits) (06/18/2010 01:56:48 PM)

Table 15 - Long Sequence Waveform Summary 20 MHz

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5300.0MHz, -63.0dBm
Trial #2	Detected	5295.0MHz, -63.0dBm

Table 15 - Long Sequence Waveform Summary 20 MHz

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #3	NOT Detected	5305.0MHz, -63.0dBm
Trial #4	Detected	5300.0MHz, -63.0dBm
Trial #5	Detected	5295.0MHz, -63.0dBm
Trial #6	NOT Detected	5305.0MHz, -63.0dBm
Trial #7	Detected	5300.0MHz, -63.0dBm
Trial #8	Detected	5295.0MHz, -63.0dBm
Trial #9	NOT Detected	5305.0MHz, -63.0dBm
Trial #10	Detected	5300.0MHz, -63.0dBm
Trial #11	Detected	5295.0MHz, -63.0dBm
Trial #12	Detected	5305.0MHz, -63.0dBm
Trial #13	Detected	5300.0MHz, -63.0dBm
Trial #14	Detected	5295.0MHz, -63.0dBm
Trial #15	Detected	5305.0MHz, -63.0dBm
Trial #16	Detected	5300.0MHz, -63.0dBm
Trial #17	NOT Detected	5295.0MHz, -63.0dBm
Trial #18	Detected	5305.0MHz, -63.0dBm
Trial #19	Detected	5300.0MHz, -63.0dBm
Trial #20	Detected	5295.0MHz, -63.0dBm
Trial #21	Detected	5305.0MHz, -63.0dBm
Trial #22	Detected	5300.0MHz, -63.0dBm
Trial #23	Detected	5295.0MHz, -63.0dBm
Trial #24	NOT Detected	5305.0MHz, -63.0dBm
Trial #25	Detected	5300.0MHz, -63.0dBm
Trial #26	Detected	5295.0MHz, -63.0dBm
Trial #27	Detected	5305.0MHz, -63.0dBm
Trial #28	Detected	5300.0MHz, -63.0dBm
Trial #29	Detected	5295.0MHz, -63.0dBm
Trial #30	Detected	5305.0MHz,

Table 15 - Long Sequence Waveform Summary 20 MHz

Long Sequence Trial		Result	Radar Frequency / Amplitude
			-63.0dBm
Trial #31		Detected	5300.0MHz, -63.0dBm

Table 16 - 20 MHz Long Sequence Waveform Trial#1 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	85.3	15	1076.0	-	0.828975
2	1	66.0	19	-	-	1.665402
3	2	70.4	20	1450.0	-	2.850934
4	2	56.1	15	1708.0	-	4.607044
5	1	76.2	15	-	-	4.982000
6	2	52.4	12	1782.0	-	6.303019
7	1	73.9	8	-	-	7.410638
8	2	73.9	17	1595.0	-	9.173236
9	1	75.5	13	-	-	10.550041
10	2	95.4	10	1171.0	-	11.231551

Table 17 - 20 MHz Long Sequence Waveform Trial#2 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	67.7	5	-	-	0.071340
2	1	99.6	11	-	-	1.347887
3	2	68.3	10	1110.0	-	2.208455
4	1	89.4	17	-	-	3.278451
5	2	78.6	15	1498.0	-	4.578650
6	1	94.2	6	-	-	5.938066
7	2	77.4	11	1234.0	-	6.578158
8	2	92.8	17	1246.0	-	7.637005
9	3	59.3	19	1443.0	1116.0	8.959738
10	2	79.3	13	1426.0	-	9.397808
11	2	69.1	15	1394.0	-	10.097372
12	3	54.1	18	1686.0	1206.0	11.457642

Table 18 - 20 MHz Long Sequence Waveform Trial#3 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	50.6	16	1511.0	-	0.016736
2	1	73.9	8	-	-	1.549766
3	2	84.9	16	1886.0	-	2.764307
4	2	96.6	8	1448.0	-	3.217409
5	2	91.4	19	1099.0	-	4.377818
6	1	86.1	9	-	-	5.619687
7	2	52.3	19	1111.0	-	6.777921
8	3	58.4	18	1666.0	1916.0	7.524454
9	2	85.2	18	1370.0	-	8.641617
10	1	69.5	15	-	-	9.964697
11	2	96.6	17	1390.0	-	10.347862
12	2	75.2	5	1800.0	-	11.541494

Table 19 - 20 MHz Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	69.6	14	-	-	0.462813
2	3	51.7	10	1402.0	1521.0	1.280531
3	2	70.0	7	1191.0	-	3.486406
4	1	56.7	13	-	-	4.605251
5	2	76.5	9	1855.0	-	5.894328
6	2	95.4	10	1558.0	-	7.024906
7	3	92.3	19	1910.0	1646.0	8.217292
8	2	88.2	19	1767.0	-	9.150489
9	3	84.9	20	1866.0	1415.0	9.651705
10	2	83.0	19	1068.0	-	11.737955

Table 20 - 20 MHz Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	87.2	8	1594.0	-	0.406738
2	2	89.6	10	1476.0	-	0.999225
3	2	54.3	6	1769.0	-	1.855149
4	1	93.2	7	-	-	1.926175
5	2	76.1	20	1695.0	-	3.004061
6	1	78.1	5	-	-	3.545815
7	1	78.8	19	-	-	3.815173
8	3	82.2	13	1230.0	1978.0	4.866389
9	3	63.8	7	1653.0	1144.0	5.342305
10	2	54.4	17	1749.0	-	5.713839
11	1	96.1	7	-	-	6.578511
12	2	85.9	5	1304.0	-	7.478805
13	2	70.1	12	1896.0	-	8.095436
14	1	79.7	13	-	-	8.791736
15	2	70.1	5	1623.0	-	9.256516
16	2	60.3	11	1760.0	-	9.653918
17	1	98.6	16	-	-	10.265793
18	2	97.9	11	1600.0	-	10.790618
19	2	54.7	19	1836.0	-	11.995763

Table 21 - 20 MHz Long Sequence Waveform Trial#6 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	79.0	17	-	-	0.350169
2	3	84.6	12	1224.0	1964.0	0.889734
3	2	93.6	11	1800.0	-	1.924495
4	2	91.6	7	1195.0	-	2.558512
5	1	72.8	8	-	-	3.299800
6	2	84.6	9	1794.0	-	3.663858
7	3	93.3	19	1662.0	1305.0	4.660769
8	3	58.4	18	1884.0	1987.0	5.060717
9	2	72.1	7	1807.0	-	5.872201
10	2	67.0	11	1440.0	-	6.464205
11	1	67.9	12	-	-	7.469710
12	1	88.3	19	-	-	7.899561
13	3	65.4	10	1839.0	1931.0	8.799897

Table 21 - 20 MHz Long Sequence Waveform Trial#6 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
14	2	85.8	13	1033.0	-	9.415628
15	1	75.7	10	-	-	9.955128
16	1	88.9	8	-	-	10.818797
17	2	73.8	14	1261.0	-	11.585243

Table 22 - 20 MHz Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	94.4	19	1056.0	1205.0	0.080705
2	3	52.0	6	1680.0	1930.0	1.201322
3	2	67.6	18	1158.0	-	1.822745
4	1	72.0	15	-	-	2.951944
5	2	97.9	9	1629.0	-	3.155077
6	2	81.9	12	1697.0	-	4.452166
7	2	92.6	15	1808.0	-	4.959255
8	3	61.6	20	1640.0	1833.0	5.360769
9	3	92.7	16	1173.0	1800.0	6.547090
10	2	93.3	5	1160.0	-	7.371398
11	3	67.5	15	1002.0	1797.0	7.606732
12	2	77.3	19	1926.0	-	8.837517
13	3	94.0	16	1232.0	1156.0	9.563013
14	2	77.6	8	1475.0	-	10.347631
15	2	99.1	15	1169.0	-	10.998946
16	3	54.8	18	1622.0	1894.0	11.533376

Table 23 - 20 MHz Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	59.0	9	1251.0	-	0.011618
2	2	71.2	16	1483.0	-	1.294577
3	2	95.8	19	1798.0	-	1.438759
4	3	70.6	9	1413.0	1213.0	2.058419
5	3	62.0	15	1919.0	1894.0	2.977702
6	2	62.2	13	1831.0	-	3.952941
7	3	59.9	9	1904.0	1998.0	4.564038
8	2	63.4	10	1840.0	-	4.879164
9	3	78.3	10	1041.0	1902.0	5.644335
10	1	84.4	18	-	-	6.539005
11	3	64.0	19	1067.0	1549.0	6.847284
12	1	87.2	12	-	-	7.859011
13	1	98.7	18	-	-	8.317809
14	3	77.9	16	1211.0	1503.0	8.948034
15	2	94.0	16	1897.0	-	9.820860
16	2	68.6	7	1291.0	-	10.156394
17	3	72.6	10	1583.0	1153.0	10.764542
18	1	76.3	15	-	-	11.422199

Table 24 - 20 MHz Long Sequence Waveform Trial#9 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	87.6	11	1078.0	-	1.009216
2	3	70.4	9	1834.0	1801.0	1.481003
3	2	65.1	12	1302.0	-	2.647902
4	1	59.7	5	-	-	3.397036
5	1	55.9	13	-	-	5.206376
6	2	60.1	5	1448.0	-	5.773852
7	3	89.9	18	1940.0	1116.0	7.505421
8	2	87.8	20	1498.0	-	7.643180
9	1	88.3	9	-	-	9.384538
10	2	80.2	17	1444.0	-	10.788869
11	1	83.9	13	-	-	11.997115

Table 25 - 20 MHz Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	92.0	19	1879.0	-	0.467054
2	1	61.1	11	-	-	2.474070
3	2	66.0	18	1284.0	-	3.900044
4	2	50.0	9	1601.0	-	5.288181
5	1	58.8	10	-	-	5.844967
6	3	94.9	6	1328.0	1243.0	7.097711
7	2	55.1	14	1664.0	-	8.895001
8	3	57.4	7	1331.0	1146.0	9.726670
9	2	80.8	16	1503.0	-	11.843594

Table 26 - 20 MHz Long Sequence Waveform Trial#11 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	77.2	19	1833.0	-	0.573094
2	3	56.8	19	1160.0	1601.0	1.272580
3	1	82.9	10	-	-	2.093236
4	2	81.0	6	1235.0	-	3.028520
5	2	69.7	11	1067.0	-	4.637957
6	2	99.1	6	1102.0	-	5.152861
7	1	75.6	11	-	-	6.012732
8	1	55.4	19	-	-	7.840792
9	3	66.8	10	1541.0	1685.0	8.373020
10	1	91.5	11	-	-	9.232331
11	3	89.1	6	1728.0	1118.0	10.403559
12	3	72.0	12	1079.0	1315.0	11.307161

Table 27 - 20 MHz Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	51.3	9	1632.0	1751.0	0.251684
2	2	87.5	20	1566.0	-	0.977443
3	2	92.8	9	1042.0	-	1.603947
4	2	67.2	12	1077.0	-	2.659727
5	2	64.3	13	1047.0	-	3.461609
6	3	62.0	9	1449.0	1919.0	3.687492
7	2	90.7	5	1607.0	-	4.683260

Table 27 - 20 MHz Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
8	2	50.7	9	1232.0	-	5.632169
9	2	93.4	13	1174.0	-	5.935167
10	3	82.5	16	1529.0	1886.0	7.025898
11	1	54.7	5	-	-	7.278677
12	1	82.3	9	-	-	8.270542
13	1	59.0	7	-	-	8.894288
14	1	86.7	10	-	-	9.405917
15	2	98.6	9	1608.0	-	10.357072
16	2	79.2	20	1490.0	-	11.251321
17	2	79.4	12	1119.0	-	11.695403

Table 28 - 20 MHz Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	91.5	16	1592.0	-	0.082657
2	2	78.8	15	1885.0	-	0.999407
3	2	68.2	5	1811.0	-	2.042882
4	1	98.7	12	-	-	2.395921
5	3	78.5	17	1987.0	1308.0	3.414845
6	2	81.5	15	1307.0	-	4.128922
7	2	63.0	6	1326.0	-	4.399738
8	3	66.9	11	1990.0	1782.0	5.124157
9	1	79.9	14	-	-	6.156041
10	3	69.5	16	1610.0	1472.0	6.566829
11	2	69.1	6	1201.0	-	7.604197
12	2	94.0	16	1276.0	-	8.176927
13	2	85.8	6	1832.0	-	8.674810
14	2	89.2	6	1254.0	-	9.178020
15	2	87.2	6	1842.0	-	9.922793
16	3	76.6	19	1579.0	1677.0	11.002108
17	3	79.6	7	1744.0	1285.0	11.602432

Table 29 - 20 MHz Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	66.4	6	1811.0	-	0.245643
2	2	59.2	7	1615.0	-	0.719936
3	1	91.3	16	-	-	1.956026
4	3	77.4	19	1513.0	1788.0	2.678681
5	3	59.1	7	1696.0	1839.0	3.140287
6	1	52.3	16	-	-	4.022568
7	2	88.8	19	1120.0	-	4.433336
8	3	64.3	6	1067.0	1018.0	5.542822
9	3	69.3	18	1747.0	1590.0	6.069967
10	2	56.8	17	1186.0	-	6.429892
11	2	75.2	7	1217.0	-	7.527376
12	2	73.6	14	1872.0	-	8.201054
13	3	87.7	9	1141.0	1389.0	8.518466
14	2	93.0	19	1643.0	-	9.185648
15	1	86.7	16	-	-	10.528369

Table 29 - 20 MHz Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
16	2	70.7	11	1856.0	-	10.599305
17	1	76.8	13	-	-	11.467605

Table 30 - 20 MHz Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	78.2	15	-	-	0.392793
2	2	95.7	14	1027.0	-	0.824330
3	2	69.3	13	1307.0	-	1.809498
4	1	76.1	11	-	-	2.445829
5	1	89.9	11	-	-	3.011303
6	3	59.1	16	1764.0	1857.0	3.738385
7	2	85.0	20	1328.0	-	3.800563
8	1	57.5	19	-	-	4.697534
9	3	65.9	16	1673.0	1525.0	5.149163
10	2	56.4	13	1156.0	-	6.029713
11	3	81.2	17	1495.0	1278.0	6.712004
12	3	75.2	13	1010.0	1427.0	7.200429
13	1	97.9	8	-	-	7.786793
14	1	52.3	15	-	-	8.635258
15	2	95.5	20	1162.0	-	9.142206
16	2	94.5	12	1142.0	-	9.659569
17	2	75.2	19	1911.0	-	10.376233
18	1	62.1	13	-	-	11.028581
19	3	58.9	6	1642.0	1230.0	11.558734

Table 31 - 20 MHz Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	59.0	9	1997.0	-	0.079534
2	2	50.3	13	1380.0	-	0.941292
3	3	94.8	9	1589.0	1594.0	1.302140
4	2	89.4	8	1947.0	-	2.473585
5	2	60.6	9	1108.0	-	2.652630
6	3	52.3	10	1526.0	1428.0	3.647720
7	2	81.1	7	1251.0	-	4.050015
8	2	61.3	15	1313.0	-	4.517324
9	2	83.8	17	1589.0	-	5.612327
10	1	94.9	11	-	-	5.940496
11	2	70.3	19	1467.0	-	6.602116
12	3	61.0	7	1668.0	1749.0	7.155283
13	3	94.3	9	1106.0	1647.0	8.000726
14	3	89.6	12	1019.0	1316.0	8.726403
15	2	78.1	7	1014.0	-	9.357098
16	2	75.4	12	1500.0	-	9.503688
17	3	61.4	7	1092.0	1762.0	10.698295
18	3	70.4	9	1870.0	1796.0	11.108056
19	2	93.1	13	1176.0	-	11.379877

Table 32 - 20 MHz Long Sequence Waveform Trial#17 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	93.0	7	-	-	1.190263
2	1	94.5	9	-	-	1.246635
3	2	85.4	6	1512.0	-	2.545449
4	2	84.4	9	1757.0	-	4.725513
5	2	51.4	11	1447.0	-	5.238439
6	1	72.2	12	-	-	6.090653
7	2	65.0	16	1447.0	-	7.454166
8	1	94.0	14	-	-	9.552332
9	2	61.9	16	1012.0	-	9.696002
10	2	79.9	10	1963.0	-	11.315715

Table 33 - 20 MHz Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	54.5	7	1832.0	-	0.830370
2	3	93.3	12	1153.0	1068.0	1.095254
3	1	62.1	19	-	-	2.004053
4	2	94.6	14	1344.0	-	3.038812
5	1	95.8	19	-	-	3.842109
6	3	58.0	8	1281.0	1286.0	4.965210
7	2	93.4	5	1758.0	-	5.696217
8	2	56.9	17	1691.0	-	6.460014
9	1	96.3	11	-	-	7.314952
10	2	63.9	5	1008.0	-	8.252740
11	2	90.3	15	1636.0	-	9.016935
12	3	97.0	20	1707.0	1926.0	10.044918
13	1	59.2	9	-	-	10.624920
14	3	86.6	5	1210.0	1530.0	11.881451

Table 34 - 20 MHz Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	87.1	9	1438.0	-	0.395362
2	2	90.0	17	1634.0	-	0.960505
3	2	50.3	8	1710.0	-	1.639458
4	2	66.9	10	1898.0	-	1.958964
5	2	69.6	14	1640.0	-	2.790857
6	1	60.2	19	-	-	3.533887
7	2	56.1	13	1768.0	-	4.108387
8	1	56.6	7	-	-	4.831586
9	3	51.0	9	1502.0	1783.0	5.521377
10	2	72.0	14	1357.0	-	6.220465
11	2	60.1	16	1091.0	-	6.896271
12	2	96.8	16	1432.0	-	7.260299
13	3	90.5	6	1248.0	1281.0	8.076712
14	2	98.2	9	1058.0	-	8.229862
15	2	94.5	9	1297.0	-	8.842801
16	1	57.3	15	-	-	9.532442
17	3	93.4	20	1472.0	1913.0	10.594396
18	2	96.4	18	1104.0	-	11.337993

Table 34 - 20 MHz Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
19	3	75.7	15	1262.0	1306.0	11.723679

Table 35 - 20 MHz Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	76.0	8	1112.0	-	0.249171
2	2	91.1	11	1423.0	-	1.286840
3	1	57.0	16	-	-	1.886658
4	2	84.9	17	1542.0	-	2.689275
5	1	67.8	18	-	-	3.518744
6	1	88.3	8	-	-	3.885307
7	2	82.1	20	1545.0	-	4.427132
8	1	88.0	14	-	-	5.602687
9	3	72.2	13	1651.0	1729.0	6.223707
10	2	93.6	19	1409.0	-	6.709817
11	3	51.0	16	1206.0	1002.0	7.740389
12	2	81.2	12	1477.0	-	8.194449
13	2	89.7	13	1050.0	-	8.994659
14	3	63.5	9	1755.0	1775.0	9.755478
15	2	57.4	7	1614.0	-	10.577730
16	3	98.1	19	1973.0	1353.0	11.077055
17	2	53.8	16	1836.0	-	11.852598

Table 36 - 20 MHz Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	89.7	18	1177.0	1969.0	0.603133
2	2	94.3	13	1172.0	-	1.237668
3	2	97.6	9	1206.0	-	1.480129
4	3	87.0	9	1520.0	1043.0	2.295700
5	1	57.9	14	-	-	2.940459
6	1	59.6	8	-	-	3.651230
7	2	64.1	5	1435.0	-	4.142745
8	3	79.8	19	1750.0	1067.0	4.514404
9	3	58.9	5	1938.0	1529.0	5.438851
10	3	91.2	6	1381.0	1257.0	5.707871
11	3	59.2	9	1899.0	1992.0	6.414540
12	3	61.3	15	1087.0	1678.0	7.004238
13	2	60.5	18	1812.0	-	7.794295
14	2	81.3	17	1539.0	-	8.542480
15	3	92.9	13	1456.0	1697.0	9.467668
16	2	50.0	6	1337.0	-	9.917399
17	1	88.7	18	-	-	10.111341
18	1	58.6	6	-	-	10.913466
19	2	54.8	5	1303.0	-	11.414388

Table 37 - 20 MHz Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
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Table 37 - 20 MHz Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	91.7	11	1534.0	1209.0	0.481154
2	2	60.3	16	1142.0	-	0.689328
3	3	84.9	13	1703.0	1208.0	1.655953
4	3	92.7	6	1957.0	1809.0	2.517785
5	3	56.1	16	1518.0	1251.0	2.752255
6	2	79.4	19	1068.0	-	3.457803
7	1	70.1	13	-	-	4.096218
8	2	91.8	12	1900.0	-	4.528126
9	2	64.5	9	1922.0	-	5.604634
10	1	78.5	13	-	-	6.192306
11	3	74.1	19	1098.0	1569.0	6.708491
12	2	51.4	8	1968.0	-	7.195162
13	1	80.5	7	-	-	8.189835
14	3	89.5	14	1363.0	1274.0	8.253747
15	2	61.8	17	1113.0	-	9.211028
16	2	61.4	17	1957.0	-	9.741310
17	1	70.0	18	-	-	10.732719
18	1	65.0	17	-	-	11.220285
19	1	69.0	11	-	-	11.652163

Table 38 - 20 MHz Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	97.7	9	1998.0	-	0.011321
2	3	70.5	7	1004.0	1039.0	1.083009
3	2	52.3	14	1284.0	-	1.910574
4	2	82.9	11	1176.0	-	2.429763
5	3	91.9	8	1250.0	1481.0	3.498201
6	2	79.4	12	1152.0	-	3.778744
7	2	82.5	18	1171.0	-	4.245217
8	2	69.4	11	1508.0	-	5.337035
9	2	78.4	15	1319.0	-	5.746919
10	3	72.8	8	1803.0	1926.0	6.911930
11	1	81.1	16	-	-	7.087825
12	1	60.9	11	-	-	7.864484
13	3	89.9	9	1321.0	1502.0	8.901341
14	2	94.7	16	1820.0	-	9.641887
15	2	50.3	16	1305.0	-	10.057064
16	2	78.5	18	1617.0	-	10.747242
17	2	59.3	20	1680.0	-	11.889246

Table 39 - 20 MHz Long Sequence Waveform Trial#24 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	74.3	18	1203.0	1366.0	0.401677
2	2	51.6	8	1379.0	-	0.828714
3	3	93.0	8	1629.0	1754.0	1.580033
4	2	93.2	19	1688.0	-	2.148467
5	2	84.2	12	1659.0	-	3.282391
6	2	59.7	8	1617.0	-	3.535374

Table 39 - 20 MHz Long Sequence Waveform Trial#24 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
7	2	79.0	16	1241.0	-	4.871110
8	3	95.5	14	1966.0	1049.0	4.987885
9	2	76.8	19	1409.0	-	6.020576
10	2	81.9	16	1796.0	-	6.704576
11	1	73.3	8	-	-	7.446676
12	2	94.9	11	1314.0	-	7.958445
13	3	69.6	11	1529.0	1187.0	8.561573
14	1	84.8	11	-	-	9.617858
15	1	94.6	12	-	-	10.336247
16	2	61.3	12	1026.0	-	11.254468
17	2	85.5	8	1104.0	-	11.485239

Table 40 - 20 MHz Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	54.5	10	1381.0	-	0.235707
2	1	53.6	6	-	-	1.103735
3	1	95.7	17	-	-	1.738266
4	1	70.0	8	-	-	2.918037
5	3	91.1	16	1418.0	1104.0	3.030972
6	2	70.9	19	1063.0	-	4.123028
7	2	79.3	10	1765.0	-	4.624192
8	1	98.8	8	-	-	5.765043
9	3	75.5	6	1970.0	1084.0	6.211998
10	1	66.4	10	-	-	7.473985
11	2	51.6	19	1058.0	-	8.031464
12	2	70.1	5	1020.0	-	8.925245
13	2	60.4	11	1245.0	-	9.452489
14	2	62.7	15	1200.0	-	9.862011
15	2	63.6	7	1934.0	-	11.180147
16	1	94.4	8	-	-	11.489857

Table 41 - 20 MHz Long Sequence Waveform Trial#26 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	95.0	17	-	-	0.874288
2	2	88.7	10	1859.0	-	1.893144
3	2	97.2	13	1273.0	-	3.316040
4	1	57.0	14	-	-	4.759084
5	3	58.4	16	1297.0	1617.0	4.916955
6	2	99.0	7	1898.0	-	6.558618
7	1	57.3	17	-	-	7.953818
8	2	57.6	16	1394.0	-	8.511475
9	1	67.0	9	-	-	10.191654
10	2	89.7	16	1903.0	-	11.761513

Table 42 - 20 MHz Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)

Table 42 - 20 MHz Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	92.2	18	1783.0	-	0.038523
2	2	80.5	6	1070.0	-	0.710328
3	3	85.9	17	1250.0	1498.0	1.616286
4	1	65.7	12	-	-	2.493952
5	2	76.6	10	1752.0	-	2.719368
6	2	54.2	13	1809.0	-	3.940662
7	2	88.9	9	1132.0	-	4.128849
8	2	59.1	19	1554.0	-	4.742923
9	2	61.5	8	1566.0	-	5.408314
10	1	99.8	12	-	-	6.622973
11	1	90.2	17	-	-	6.900589
12	2	61.9	14	1736.0	-	7.852868
13	1	76.4	15	-	-	8.249288
14	2	54.3	9	1374.0	-	9.123764
15	3	73.4	18	1883.0	1173.0	9.860803
16	2	73.5	7	1234.0	-	10.234453
17	2	89.9	7	1209.0	-	11.149113
18	2	76.6	6	1027.0	-	11.680269

Table 43 - 20 MHz Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	88.9	18	-	-	0.122217
2	2	74.2	7	1269.0	-	1.072167
3	1	67.0	7	-	-	1.416427
4	1	72.9	14	-	-	2.741820
5	2	83.4	12	1250.0	-	3.063998
6	2	75.6	20	1509.0	-	3.909913
7	2	56.7	11	1096.0	-	4.349587
8	2	60.0	15	1239.0	-	5.009134
9	3	84.3	19	1563.0	1579.0	6.117605
10	2	95.2	12	1503.0	-	6.482575
11	3	71.2	14	1956.0	1578.0	7.338892
12	2	64.6	19	1347.0	-	7.878193
13	2	62.0	10	1732.0	-	8.791401
14	2	96.6	11	1636.0	-	9.787079
15	2	82.9	7	1417.0	-	10.260174
16	2	76.3	12	1325.0	-	10.910707
17	3	75.3	12	1822.0	1863.0	11.608177

Table 44 - 20 MHz Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	61.7	9	1446.0	1628.0	0.146219
2	1	61.1	15	-	-	1.072193
3	3	82.9	10	1050.0	1992.0	1.425879
4	2	74.6	13	1479.0	-	2.084584
5	1	80.5	16	-	-	2.800537
6	2	56.5	17	1886.0	-	3.415094
7	2	83.9	8	1676.0	-	4.374660

Table 44 - 20 MHz Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
8	1	83.5	9	-	-	4.553659
9	2	67.1	17	1435.0	-	5.356696
10	1	81.1	11	-	-	5.840251
11	2	88.5	6	1742.0	-	6.752370
12	2	93.5	6	1605.0	-	7.052784
13	2	95.5	6	1028.0	-	7.591395
14	3	71.9	7	1014.0	1251.0	8.629683
15	2	63.1	20	1839.0	-	9.298043
16	3	95.1	20	1204.0	1123.0	9.601726
17	1	98.3	19	-	-	10.116921
18	3	79.4	13	1569.0	1160.0	11.065410
19	3	93.9	14	1540.0	1545.0	11.753617

Table 45 - 20 MHz Long Sequence Waveform Trial#30 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	51.3	11	-	-	0.757011
2	3	50.7	7	1264.0	1293.0	1.574393
3	3	77.5	18	1972.0	1412.0	2.018498
4	1	58.7	13	-	-	2.589883
5	3	70.3	9	1858.0	1463.0	4.262788
6	1	62.1	6	-	-	4.924472
7	2	79.0	6	1887.0	-	5.507238
8	3	82.5	12	1329.0	1530.0	6.797907
9	2	62.0	17	1104.0	-	7.695926
10	1	71.1	15	-	-	7.715789
11	2	99.1	14	1967.0	-	8.880436
12	2	84.9	16	1861.0	-	9.551317
13	2	87.8	17	1853.0	-	10.467896
14	2	84.3	17	1193.0	-	11.637410

Table 46 - 20 MHz Long Sequence Waveform Trial#31 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	74.1	6	1074.0	-	0.034660
2	3	97.0	19	1023.0	1145.0	1.408631
3	1	74.7	17	-	-	2.184332
4	2	90.6	18	1342.0	-	2.530600
5	2	86.8	11	1484.0	-	3.610407
6	1	74.6	11	-	-	4.010439
7	3	50.9	9	1522.0	1318.0	5.273242
8	2	98.4	11	1080.0	-	5.998818
9	1	51.9	17	-	-	7.190937
10	2	90.6	10	1761.0	-	7.612002
11	1	77.5	20	-	-	8.363393
12	2	80.6	20	1017.0	-	9.419245
13	1	73.8	9	-	-	10.037985
14	2	51.0	13	1586.0	-	10.767930
15	1	74.7	16	-	-	11.439891

Table 47 - FCC Short Pulse Radar (Type 1) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:28:14 PM)
2	18	1.0	1428.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:28:23 PM)
3	18	1.0	1428.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:28:33 PM)
4	18	1.0	1428.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:28:40 PM)
5	18	1.0	1428.0	No	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:28:48 PM)
6	18	1.0	1428.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:29:00 PM)
7	18	1.0	1428.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:29:07 PM)
8	18	1.0	1428.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:29:15 PM)
9	18	1.0	1428.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:29:22 PM)
10	18	1.0	1428.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:29:30 PM)
11	18	1.0	1428.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:29:40 PM)
12	18	1.0	1428.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:29:50 PM)
13	18	1.0	1428.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:29:57 PM)
14	18	1.0	1428.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:30:05 PM)
15	18	1.0	1428.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:30:13 PM)
16	18	1.0	1428.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:30:45 PM)
17	18	1.0	1428.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:30:53 PM)
18	18	1.0	1428.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:31:01 PM)
19	18	1.0	1428.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:31:09 PM)
20	18	1.0	1428.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:31:18 PM)
21	18	1.0	1428.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:31:27 PM)
22	18	1.0	1428.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:31:35 PM)
23	18	1.0	1428.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:31:44 PM)
24	18	1.0	1428.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:31:55 PM)
25	18	1.0	1428.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:32:03 PM)
26	18	1.0	1428.0	Yes	5670.0MHz,	Single burst (06/18/2010 02:32:11

Table 47 - FCC Short Pulse Radar (Type 1) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-63.0dBm	PM)
27	18	1.0	1428.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:32:20 PM)
28	18	1.0	1428.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:32:28 PM)
29	18	1.0	1428.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:32:36 PM)
30	18	1.0	1428.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:32:44 PM)

Table 48 - FCC Short Pulse Radar (Type 2) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	29	1.7	209.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:04:44 PM)
2	26	2.5	169.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:04:52 PM)
3	29	2.5	188.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:05:00 PM)
4	25	1.6	164.0	No	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:05:07 PM)
5	26	3.5	188.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:05:17 PM)
6	27	4.6	183.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:05:26 PM)
7	28	2.9	200.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:05:34 PM)
8	23	2.8	151.0	No	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:05:42 PM)
9	27	2.6	152.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:05:57 PM)
10	28	4.9	158.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:06:06 PM)
11	24	4.1	154.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:06:14 PM)
12	26	2.7	161.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:06:26 PM)
13	25	4.0	204.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:06:34 PM)
14	24	1.8	178.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:06:45 PM)
15	28	4.5	174.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:06:55 PM)
16	27	1.0	173.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:07:06 PM)
17	27	1.7	221.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:07:14 PM)
18	26	2.5	170.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:07:25 PM)
19	26	4.0	161.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:07:35 PM)

Table 48 - FCC Short Pulse Radar (Type 2) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
20	25	2.4	167.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:07:44 PM)
21	25	1.2	156.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:07:53 PM)
22	25	2.3	183.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:08:01 PM)
23	25	3.9	160.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:08:11 PM)
24	26	1.0	154.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:08:23 PM)
25	27	4.2	165.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:08:32 PM)
26	27	1.3	186.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:08:41 PM)
27	25	1.3	176.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:08:55 PM)
28	24	1.8	208.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:09:05 PM)
29	24	2.7	225.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:09:16 PM)
30	28	2.0	153.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:09:24 PM)

Table 49 - FCC Short Pulse Radar (Type 3) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	10.0	434.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:09:56 PM)
2	18	6.8	221.0	No	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:10:04 PM)
3	16	6.5	461.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:10:14 PM)
4	16	8.3	310.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:10:23 PM)
5	17	8.6	223.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:10:33 PM)
6	17	8.2	395.0	No	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:11:25 PM)
7	16	7.4	392.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:13:01 PM)
8	17	6.0	227.0	No	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:13:12 PM)
9	17	6.7	233.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:13:24 PM)
10	17	8.6	484.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:13:32 PM)
11	17	6.3	405.0	No	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:13:41 PM)
12	18	6.8	304.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:13:51 PM)
13	17	9.8	451.0	No	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:14:00 PM)

Table 49 - FCC Short Pulse Radar (Type 3) Results 40MHz

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
14	16	8.4	274.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:14:11 PM)
15	17	6.2	423.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:14:20 PM)
16	17	9.7	342.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:14:30 PM)
17	18	6.1	387.0	No	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:14:39 PM)
18	17	8.3	240.0	No	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:14:51 PM)
19	17	9.4	212.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:15:00 PM)
20	18	9.5	341.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:15:09 PM)
21	18	7.4	417.0	No	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:15:18 PM)
22	17	7.6	214.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:15:28 PM)
23	17	8.3	487.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:15:36 PM)
24	16	6.4	454.0	No	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:15:46 PM)
25	18	8.0	397.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:15:55 PM)
26	17	6.9	207.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:16:03 PM)
27	16	6.7	345.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:16:13 PM)
28	16	6.2	344.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:16:21 PM)
29	17	6.0	392.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:16:31 PM)
30	18	6.5	496.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:16:39 PM)

Table 50 - FCC Short Pulse Radar (Type 4) Results 40MHz

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	12	12.5	418.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:17:31 PM)
2	15	18.1	460.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:17:40 PM)
3	15	15.9	221.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:17:49 PM)
4	13	12.6	465.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:17:58 PM)
5	16	14.5	327.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:18:07 PM)
6	14	15.1	427.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:23:52 PM)
7	16	13.9	371.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:24:03 PM)

Table 50 - FCC Short Pulse Radar (Type 4) Results 40MHz

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	16	13.7	231.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:24:12 PM)
9	14	15.1	226.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:24:22 PM)
10	16	16.3	279.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:24:31 PM)
11	16	15.7	278.0	No	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:24:40 PM)
12	16	19.7	280.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:24:49 PM)
13	12	17.2	282.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:24:59 PM)
14	14	18.9	470.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:25:07 PM)
15	13	17.7	428.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:25:16 PM)
16	13	18.6	442.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:25:24 PM)
17	15	13.6	435.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:25:36 PM)
18	15	15.1	420.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:25:46 PM)
19	16	17.6	280.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:25:58 PM)
20	15	13.9	474.0	No	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:26:07 PM)
21	12	15.1	274.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:26:18 PM)
22	12	13.9	391.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:26:27 PM)
23	13	19.9	441.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:26:35 PM)
24	14	16.5	389.0	No	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:26:43 PM)
25	12	11.7	440.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:26:53 PM)
26	13	19.3	392.0	Yes	5670.0MHz, -63.0dBm	Single burst (06/18/2010 02:27:03 PM)
27	14	13.4	418.0	Yes	5665.0MHz, -63.0dBm	Single burst (06/18/2010 02:27:11 PM)
28	15	12.8	215.0	Yes	5660.0MHz, -63.0dBm	Single burst (06/18/2010 02:27:21 PM)
29	16	15.0	326.0	Yes	5680.0MHz, -63.0dBm	Single burst (06/18/2010 02:27:29 PM)
30	13	15.5	333.0	Yes	5675.0MHz, -63.0dBm	Single burst (06/18/2010 02:27:38 PM)

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5687.0MHz, -63.0dBm	Hop sequence: 5587, 5470, 5290, 5620, 5393, 5274, 5302, 5371, 5456, 5277, 5712, 5681, 5653, 5294, 5436, 5608, 5384, 5419, 5272, 5698, 5425, 5502, 5723, 5320, 5523, 5526, 5424, 5447, 5637, 5645, 5329, 5258, 5281, 5420, 5321, 5601, 5453, 5376, 5493, 5327, 5562, 5548, 5355, 5372, 5557, 5285, 5609, 5357, 5464, 5648, 5359, 5533, 5585, 5255, 5398, 5304, 5690, 5561, 5435, 5498, 5350, 5665, 5253, 5660, 5570, 5457, 5537, 5322, 5706, 5291, 5594, 5428, 5702, 5572, 5720, 5353, 5668, 5461, 5340, 5492, 5496, 5517, 5599, 5510, 5485, 5377, 5642, 5661, 5405, 5499, 5614, 5509, 5449, 5709, 5282, 5406, 5679, 5480, 5545, 5386 (7 hits) (06/18/2010 02:33:37 PM)
2	9	1.0	333.0	Yes	5688.0MHz, -63.0dBm	Hop sequence: 5423, 5667, 5719, 5547, 5514, 5349, 5689, 5570, 5331, 5438, 5384, 5590, 5406, 5723, 5356, 5462, 5312, 5397, 5342, 5686, 5260, 5498, 5696, 5572, 5335, 5348, 5399, 5560, 5674, 5254, 5695, 5525, 5371, 5388, 5489, 5725, 5551, 5463, 5604, 5641, 5459, 5706, 5625, 5403, 5354, 5531, 5526, 5269, 5643, 5500, 5484, 5713, 5722, 5599, 5648, 5451, 5398, 5584, 5644, 5676, 5682, 5671, 5434, 5532, 5446, 5435, 5555, 5273, 5694, 5609, 5344, 5621, 5571, 5408, 5336, 5352, 5690, 5677, 5601, 5450, 5592, 5522, 5322, 5586, 5638, 5315, 5579, 5328, 5373, 5402, 5285, 5493, 5513, 5684, 5280, 5276, 5358, 5288, 5632, 5424 (8 hits) (06/18/2010 02:33:47 PM)

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5652.0MHz, -63.0dBm	Hop sequence: 5645, 5389, 5624, 5635, 5665, 5270, 5372, 5688, 5705, 5479, 5691, 5265, 5264, 5619, 5352, 5695, 5373, 5298, 5532, 5403, 5382, 5507, 5414, 5649, 5558, 5317, 5281, 5717, 5256, 5289, 5255, 5445, 5684, 5400, 5568, 5272, 5594, 5610, 5525, 5623, 5603, 5280, 5322, 5463, 5261, 5680, 5303, 5354, 5561, 5299, 5526, 5575, 5633, 5724, 5669, 5578, 5381, 5569, 5506, 5502, 5586, 5650, 5523, 5369, 5318, 5365, 5608, 5668, 5397, 5267, 5709, 5405, 5476, 5452, 5300, 5615, 5297, 5315, 5496, 5273, 5282, 5421, 5710, 5286, 5274, 5351, 5461, 5386, 5469, 5325, 5399, 5551, 5377, 5723, 5666, 5683, 5269, 5313, 5713, 5697 (8 hits) (06/18/2010 02:33:54 PM)
4	9	1.0	333.0	Yes	5653.0MHz, -63.0dBm	Hop sequence: 5447, 5372, 5324, 5631, 5643, 5567, 5278, 5486, 5353, 5355, 5688, 5527, 5392, 5721, 5281, 5476, 5655, 5712, 5312, 5359, 5317, 5448, 5616, 5640, 5336, 5258, 5669, 5589, 5297, 5613, 5591, 5511, 5333, 5346, 5526, 5572, 5274, 5597, 5423, 5350, 5316, 5632, 5463, 5361, 5588, 5351, 5724, 5283, 5314, 5432, 5406, 5429, 5465, 5489, 5326, 5250, 5341, 5685, 5342, 5433, 5634, 5482, 5600, 5379, 5538, 5673, 5656, 5272, 5612, 5301, 5687, 5421, 5292, 5524, 5478, 5345, 5623, 5411, 5557, 5407, 5607, 5363, 5672, 5327, 5409, 5629, 5396, 5284, 5415, 5718, 5332, 5305, 5399, 5558, 5708, 5542, 5294, 5540, 5291, 5506 (8 hits) (06/18/2010 02:34:05 PM)
5	9	1.0	333.0	Yes	5654.0MHz, -63.0dBm	Hop sequence: 5441, 5369, 5675, 5594, 5641, 5406, 5493, 5391, 5540, 5667, 5277, 5438, 5257, 5303, 5602, 5588, 5582, 5341, 5536, 5502, 5258, 5464, 5586, 5353, 5402, 5350, 5591, 5254, 5431, 5700, 5283, 5460, 5509, 5712, 5684, 5385, 5494, 5301, 5299, 5538, 5479, 5553, 5446, 5657, 5336, 5524, 5698, 5411, 5394, 5355, 5286, 5485, 5468,

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5608, 5331, 5626, 5662, 5687, 5523, 5362, 5465, 5580, 5338, 5372, 5521, 5256, 5677, 5304, 5428, 5316, 5259, 5583, 5489, 5495, 5705, 5253, 5291, 5346, 5542, 5497, 5574, 5461, 5442, 5319, 5517, 5376, 5543, 5533, 5720, 5478, 5566, 5718, 5456, 5592, 5264, 5381, 5647, 5565, 5516, 5679 (8 hits) (06/18/2010 02:34:13 PM)
6	9	1.0	333.0	Yes	5655.0MHz, -63.0dBm	Hop sequence: 5472, 5596, 5435, 5315, 5700, 5672, 5641, 5296, 5496, 5591, 5492, 5274, 5548, 5550, 5280, 5383, 5462, 5357, 5309, 5266, 5272, 5473, 5565, 5692, 5722, 5292, 5563, 5337, 5544, 5568, 5668, 5694, 5402, 5336, 5438, 5457, 5444, 5338, 5305, 5630, 5443, 5523, 5407, 5518, 5334, 5495, 5628, 5436, 5588, 5532, 5470, 5688, 5575, 5431, 5531, 5487, 5321, 5593, 5439, 5536, 5598, 5482, 5308, 5271, 5330, 5360, 5508, 5663, 5370, 5624, 5408, 5389, 5478, 5261, 5569, 5303, 5363, 5277, 5611, 5366, 5446, 5633, 5655, 5543, 5348, 5454, 5712, 5580, 5316, 5374, 5406, 5612, 5724, 5686, 5562, 5661, 5658, 5522, 5311, 5699 (8 hits) (06/18/2010 02:34:21 PM)
7	9	1.0	333.0	Yes	5656.0MHz, -63.0dBm	Hop sequence: 5718, 5587, 5402, 5574, 5606, 5614, 5344, 5714, 5301, 5559, 5625, 5370, 5620, 5494, 5521, 5566, 5448, 5351, 5371, 5403, 5571, 5700, 5379, 5356, 5417, 5672, 5701, 5422, 5481, 5252, 5368, 5595, 5615, 5575, 5311, 5725, 5649, 5560, 5508, 5658, 5435, 5293, 5654, 5609, 5386, 5485, 5401, 5396, 5253, 5489, 5491, 5366, 5555, 5652, 5369, 5663, 5314, 5466, 5711, 5325, 5447, 5545, 5299, 5525, 5469, 5452, 5326, 5389, 5541, 5673, 5607, 5392, 5682, 5334, 5678, 5294, 5549, 5674, 5264, 5602, 5660, 5556, 5676, 5554, 5498, 5381, 5413, 5520, 5471, 5690, 5378, 5331, 5342, 5578, 5516, 5260, 5531, 5720, 5427, 5637 (11 hits) (06/18/2010 02:34:34 PM)

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5657.0MHz, -63.0dBm	Hop sequence: 5297, 5346, 5364, 5483, 5299, 5350, 5415, 5445, 5502, 5442, 5268, 5673, 5276, 5507, 5261, 5606, 5582, 5725, 5399, 5647, 5569, 5347, 5712, 5336, 5264, 5438, 5561, 5518, 5490, 5453, 5705, 5498, 5713, 5589, 5277, 5658, 5291, 5356, 5428, 5546, 5677, 5338, 5278, 5524, 5581, 5642, 5293, 5411, 5359, 5345, 5608, 5354, 5372, 5690, 5340, 5459, 5570, 5461, 5545, 5693, 5255, 5602, 5644, 5594, 5426, 5418, 5657, 5484, 5654, 5626, 5458, 5555, 5683, 5380, 5473, 5253, 5501, 5358, 5571, 5697, 5646, 5558, 5315, 5663, 5406, 5360, 5304, 5365, 5538, 5603, 5404, 5536, 5285, 5367, 5274, 5448, 5503, 5452, 5409, 5405 (7 hits) (06/18/2010 02:34:45 PM)
9	9	1.0	333.0	Yes	5658.0MHz, -63.0dBm	Hop sequence: 5473, 5255, 5305, 5443, 5688, 5592, 5367, 5655, 5669, 5446, 5291, 5524, 5606, 5289, 5272, 5323, 5555, 5293, 5288, 5294, 5321, 5629, 5597, 5263, 5404, 5654, 5391, 5440, 5619, 5601, 5623, 5451, 5704, 5254, 5490, 5474, 5657, 5607, 5612, 5512, 5523, 5708, 5333, 5583, 5603, 5395, 5670, 5322, 5696, 5382, 5614, 5548, 5649, 5539, 5375, 5368, 5637, 5652, 5271, 5264, 5644, 5400, 5275, 5598, 5605, 5326, 5625, 5269, 5328, 5383, 5690, 5339, 5505, 5331, 5627, 5277, 5325, 5660, 5319, 5363, 5480, 5694, 5531, 5477, 5327, 5501, 5661, 5707, 5582, 5543, 5409, 5562, 5595, 5317, 5303, 5712, 5267, 5466, 5636, 5483 (9 hits) (06/18/2010 02:34:52 PM)
10	9	1.0	333.0	Yes	5659.0MHz, -63.0dBm	Hop sequence: 5608, 5598, 5711, 5525, 5570, 5356, 5488, 5319, 5533, 5424, 5538, 5630, 5402, 5696, 5684, 5362, 5495, 5378, 5385, 5693, 5656, 5300, 5616, 5364, 5507, 5363, 5314, 5392, 5478, 5670, 5410, 5433, 5677, 5581, 5568, 5299, 5517, 5665, 5599, 5643, 5548, 5412, 5483, 5387, 5437, 5617, 5382, 5388, 5583, 5674, 5705, 5452, 5381,

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5566, 5280, 5391, 5360, 5469, 5709, 5419, 5589, 5447, 5511, 5436, 5341, 5604, 5571, 5430, 5291, 5500, 5448, 5544, 5620, 5485, 5592, 5389, 5703, 5369, 5497, 5586, 5290, 5554, 5514, 5621, 5425, 5325, 5529, 5294, 5375, 5486, 5567, 5626, 5686, 5252, 5492, 5609, 5454, 5397, 5627, 5441 (7 hits) (06/18/2010 02:35:01 PM)
11	9	1.0	333.0	Yes	5660.0MHz, -63.0dBm	Hop sequence: 5469, 5333, 5697, 5485, 5712, 5260, 5598, 5581, 5602, 5701, 5388, 5325, 5658, 5331, 5286, 5702, 5307, 5429, 5655, 5326, 5667, 5579, 5463, 5644, 5650, 5504, 5558, 5592, 5678, 5699, 5550, 5369, 5338, 5377, 5622, 5597, 5422, 5545, 5496, 5266, 5677, 5531, 5601, 5716, 5382, 5541, 5493, 5515, 5379, 5580, 5355, 5503, 5510, 5533, 5603, 5407, 5641, 5647, 5398, 5474, 5315, 5318, 5282, 5380, 5539, 5617, 5297, 5565, 5595, 5682, 5401, 5279, 5687, 5571, 5450, 5690, 5569, 5367, 5443, 5334, 5265, 5557, 5543, 5492, 5653, 5544, 5505, 5575, 5674, 5519, 5270, 5552, 5403, 5293, 5721, 5704, 5608, 5692, 5645, 5411 (9 hits) (06/18/2010 02:35:09 PM)
12	9	1.0	333.0	Yes	5661.0MHz, -63.0dBm	Hop sequence: 5629, 5456, 5304, 5365, 5589, 5604, 5360, 5311, 5318, 5315, 5337, 5443, 5461, 5270, 5394, 5722, 5434, 5414, 5715, 5396, 5501, 5691, 5488, 5701, 5313, 5607, 5684, 5723, 5574, 5289, 5285, 5320, 5454, 5373, 5291, 5331, 5642, 5477, 5670, 5384, 5296, 5260, 5697, 5600, 5657, 5508, 5646, 5654, 5324, 5615, 5548, 5542, 5347, 5322, 5492, 5319, 5442, 5528, 5321, 5386, 5610, 5438, 5632, 5314, 5251, 5441, 5562, 5507, 5358, 5317, 5458, 5550, 5306, 5529, 5645, 5721, 5471, 5437, 5494, 5376, 5713, 5606, 5367, 5446, 5547, 5582, 5680, 5558, 5362, 5540, 5564, 5328, 5416, 5346, 5327, 5411, 5381, 5496, 5551, 5699 (5 hits) (06/18/2010 02:35:18 PM)

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5662.0MHz, -63.0dBm	Hop sequence: 5511, 5650, 5588, 5654, 5702, 5605, 5631, 5423, 5385, 5598, 5318, 5361, 5578, 5507, 5283, 5678, 5346, 5670, 5562, 5252, 5616, 5665, 5673, 5689, 5269, 5295, 5432, 5366, 5594, 5532, 5555, 5574, 5662, 5668, 5644, 5481, 5349, 5387, 5545, 5322, 5693, 5468, 5253, 5466, 5586, 5479, 5723, 5703, 5289, 5320, 5374, 5606, 5513, 5582, 5641, 5619, 5370, 5577, 5629, 5595, 5337, 5437, 5510, 5401, 5685, 5603, 5403, 5368, 5530, 5394, 5398, 5547, 5558, 5548, 5618, 5409, 5352, 5484, 5626, 5721, 5675, 5563, 5358, 5687, 5414, 5651, 5528, 5682, 5305, 5503, 5359, 5570, 5567, 5286, 5310, 5648, 5331, 5471, 5300, 5327 (11 hits) (06/18/2010 02:35:30 PM)
14	9	1.0	333.0	Yes	5663.0MHz, -63.0dBm	Hop sequence: 5437, 5259, 5428, 5346, 5301, 5579, 5440, 5499, 5661, 5711, 5546, 5257, 5720, 5587, 5294, 5605, 5487, 5344, 5501, 5664, 5363, 5429, 5324, 5309, 5678, 5559, 5505, 5383, 5598, 5297, 5459, 5660, 5361, 5613, 5404, 5389, 5527, 5681, 5494, 5412, 5296, 5687, 5431, 5423, 5715, 5682, 5574, 5524, 5708, 5710, 5341, 5384, 5369, 5477, 5640, 5333, 5274, 5372, 5258, 5336, 5471, 5700, 5377, 5483, 5362, 5544, 5638, 5318, 5551, 5647, 5482, 5415, 5514, 5694, 5665, 5261, 5310, 5396, 5680, 5650, 5699, 5458, 5425, 5308, 5688, 5573, 5486, 5334, 5351, 5264, 5607, 5416, 5709, 5704, 5337, 5392, 5502, 5656, 5593, 5386 (11 hits) (06/18/2010 02:35:38 PM)
15	9	1.0	333.0	Yes	5664.0MHz, -63.0dBm	Hop sequence: 5318, 5405, 5371, 5517, 5433, 5294, 5452, 5477, 5285, 5637, 5565, 5690, 5588, 5580, 5591, 5311, 5515, 5434, 5257, 5701, 5473, 5312, 5446, 5665, 5668, 5391, 5608, 5657, 5605, 5611, 5419, 5286, 5493, 5274, 5273, 5366, 5489, 5300, 5536, 5384, 5296, 5518, 5650, 5288, 5362, 5363, 5457, 5666, 5563, 5466, 5297, 5641, 5277,

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5463, 5374, 5460, 5673, 5561, 5333, 5704, 5469, 5313, 5369, 5330, 5725, 5535, 5331, 5531, 5576, 5468, 5625, 5560, 5321, 5484, 5356, 5456, 5594, 5498, 5521, 5717, 5359, 5422, 5659, 5609, 5327, 5487, 5476, 5340, 5492, 5583, 5504, 5707, 5571, 5696, 5414, 5256, 5552, 5280, 5540, 5496 (6 hits) (06/18/2010 02:35:45 PM)
16	9	1.0	333.0	Yes	5665.0MHz, -63.0dBm	Hop sequence: 5659, 5274, 5299, 5497, 5701, 5557, 5315, 5704, 5370, 5451, 5446, 5389, 5382, 5489, 5591, 5393, 5430, 5610, 5374, 5466, 5355, 5302, 5547, 5440, 5602, 5529, 5268, 5573, 5288, 5663, 5333, 5695, 5324, 5594, 5290, 5296, 5534, 5412, 5493, 5604, 5502, 5515, 5657, 5563, 5648, 5713, 5656, 5442, 5307, 5256, 5646, 5586, 5364, 5269, 5353, 5276, 5612, 5608, 5257, 5593, 5566, 5496, 5513, 5667, 5522, 5517, 5340, 5558, 5538, 5356, 5259, 5499, 5537, 5258, 5569, 5477, 5562, 5357, 5722, 5413, 5530, 5301, 5390, 5650, 5703, 5670, 5524, 5376, 5270, 5523, 5349, 5606, 5625, 5525, 5319, 5609, 5463, 5641, 5292, 5448 (6 hits) (06/18/2010 02:35:54 PM)
17	9	1.0	333.0	Yes	5666.0MHz, -63.0dBm	Hop sequence: 5658, 5300, 5601, 5707, 5446, 5554, 5277, 5636, 5595, 5703, 5276, 5503, 5656, 5612, 5478, 5332, 5702, 5630, 5458, 5339, 5479, 5319, 5375, 5529, 5588, 5685, 5533, 5440, 5387, 5401, 5422, 5361, 5457, 5583, 5513, 5649, 5660, 5267, 5555, 5577, 5350, 5538, 5452, 5711, 5327, 5280, 5390, 5605, 5252, 5334, 5365, 5288, 5586, 5492, 5460, 5377, 5696, 5346, 5507, 5662, 5482, 5273, 5318, 5620, 5253, 5511, 5543, 5675, 5278, 5265, 5585, 5307, 5695, 5723, 5325, 5357, 5449, 5464, 5431, 5603, 5631, 5673, 5561, 5274, 5509, 5524, 5687, 5671, 5579, 5527, 5714, 5602, 5686, 5369, 5376, 5330, 5651, 5532, 5721, 5720 (10 hits) (06/18/2010 02:36:02 PM)

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5667.0MHz, -63.0dBm	Hop sequence: 5347, 5602, 5392, 5641, 5594, 5598, 5428, 5705, 5468, 5630, 5672, 5548, 5370, 5346, 5510, 5437, 5707, 5519, 5501, 5619, 5365, 5637, 5473, 5507, 5451, 5371, 5454, 5686, 5297, 5714, 5321, 5514, 5611, 5330, 5694, 5252, 5575, 5361, 5715, 5488, 5486, 5668, 5565, 5387, 5583, 5282, 5453, 5699, 5456, 5624, 5617, 5378, 5273, 5464, 5584, 5595, 5544, 5296, 5647, 5286, 5343, 5303, 5268, 5466, 5701, 5391, 5285, 5351, 5722, 5724, 5477, 5480, 5571, 5434, 5396, 5461, 5469, 5713, 5380, 5439, 5471, 5534, 5442, 5648, 5446, 5326, 5374, 5573, 5649, 5407, 5557, 5314, 5379, 5427, 5272, 5710, 5681, 5277, 5375, 5264 (4 hits) (06/18/2010 02:36:12 PM)
19	9	1.0	333.0	Yes	5668.0MHz, -63.0dBm	Hop sequence: 5287, 5722, 5614, 5623, 5561, 5271, 5525, 5280, 5272, 5606, 5655, 5707, 5649, 5566, 5613, 5607, 5700, 5331, 5368, 5393, 5573, 5726, 5300, 5712, 5356, 5579, 5458, 5505, 5433, 5462, 5534, 5557, 5605, 5355, 5669, 5308, 5596, 5523, 5650, 5532, 5408, 5500, 5710, 5697, 5718, 5472, 5498, 5711, 5513, 5692, 5527, 5454, 5463, 5612, 5568, 5616, 5716, 5256, 5499, 5715, 5388, 5486, 5314, 5371, 5688, 5466, 5719, 5254, 5591, 5551, 5422, 5502, 5586, 5306, 5378, 5725, 5506, 5275, 5705, 5289, 5666, 5386, 5375, 5609, 5597, 5706, 5600, 5618, 5412, 5512, 5503, 5665, 5485, 5374, 5495, 5410, 5689, 5708, 5259, 5522 (5 hits) (06/18/2010 02:36:23 PM)
20	9	1.0	333.0	Yes	5669.0MHz, -63.0dBm	Hop sequence: 5312, 5470, 5609, 5502, 5440, 5297, 5593, 5472, 5416, 5568, 5686, 5314, 5642, 5635, 5337, 5541, 5281, 5621, 5451, 5253, 5604, 5548, 5357, 5293, 5583, 5720, 5459, 5270, 5692, 5527, 5432, 5532, 5495, 5561, 5322, 5513, 5677, 5629, 5597, 5565, 5393, 5284, 5385, 5381, 5657, 5675, 5645, 5719, 5469, 5563, 5318, 5427, 5668,

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5718, 5267, 5481, 5291, 5716, 5275, 5538, 5546, 5426, 5722, 5483, 5680, 5456, 5570, 5457, 5660, 5557, 5264, 5533, 5437, 5316, 5706, 5366, 5690, 5598, 5620, 5511, 5450, 5599, 5487, 5330, 5486, 5378, 5371, 5529, 5500, 5507, 5352, 5637, 5317, 5405, 5656, 5708, 5325, 5428, 5681, 5667 (10 hits) (06/18/2010 02:36:32 PM)
21	9	1.0	333.0	Yes	5670.0MHz, -63.0dBm	Hop sequence: 5675, 5415, 5683, 5426, 5340, 5713, 5562, 5559, 5354, 5446, 5558, 5398, 5690, 5318, 5599, 5310, 5659, 5718, 5312, 5527, 5338, 5252, 5553, 5581, 5392, 5378, 5636, 5608, 5547, 5411, 5622, 5722, 5260, 5467, 5361, 5368, 5314, 5357, 5530, 5643, 5387, 5707, 5635, 5419, 5654, 5617, 5670, 5286, 5407, 5645, 5308, 5476, 5331, 5389, 5513, 5684, 5697, 5296, 5694, 5483, 5609, 5533, 5571, 5678, 5326, 5282, 5685, 5596, 5603, 5589, 5363, 5592, 5299, 5578, 5480, 5646, 5375, 5681, 5290, 5632, 5537, 5413, 5582, 5414, 5584, 5560, 5465, 5447, 5629, 5276, 5441, 5605, 5272, 5307, 5661, 5701, 5334, 5313, 5471, 5442 (10 hits) (06/18/2010 02:36:40 PM)
22	9	1.0	333.0	Yes	5671.0MHz, -63.0dBm	Hop sequence: 5617, 5482, 5640, 5260, 5380, 5685, 5495, 5326, 5665, 5408, 5506, 5519, 5717, 5434, 5353, 5258, 5558, 5669, 5438, 5407, 5597, 5300, 5420, 5403, 5295, 5624, 5541, 5354, 5681, 5652, 5324, 5461, 5692, 5473, 5435, 5391, 5655, 5507, 5607, 5372, 5619, 5590, 5521, 5595, 5268, 5399, 5529, 5716, 5303, 5674, 5614, 5620, 5338, 5698, 5325, 5449, 5404, 5673, 5369, 5512, 5632, 5501, 5712, 5454, 5525, 5472, 5293, 5723, 5670, 5663, 5660, 5347, 5448, 5662, 5301, 5340, 5588, 5480, 5625, 5647, 5543, 5536, 5585, 5315, 5540, 5374, 5429, 5286, 5579, 5704, 5565, 5267, 5518, 5539, 5581, 5554, 5583, 5345, 5343, 5346 (12 hits) (06/18/2010 02:36:48 PM)

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5672.0MHz, -63.0dBm	Hop sequence: 5530, 5472, 5608, 5523, 5681, 5555, 5378, 5633, 5385, 5699, 5534, 5585, 5513, 5710, 5355, 5380, 5537, 5307, 5600, 5351, 5713, 5406, 5674, 5296, 5566, 5450, 5488, 5491, 5381, 5594, 5423, 5443, 5690, 5605, 5661, 5445, 5311, 5642, 5693, 5367, 5258, 5550, 5672, 5322, 5358, 5718, 5571, 5468, 5430, 5596, 5459, 5313, 5254, 5334, 5270, 5425, 5388, 5630, 5652, 5320, 5319, 5557, 5574, 5525, 5562, 5438, 5510, 5678, 5455, 5310, 5372, 5413, 5410, 5569, 5691, 5469, 5495, 5331, 5309, 5256, 5460, 5528, 5470, 5539, 5620, 5426, 5408, 5654, 5568, 5436, 5303, 5277, 5584, 5428, 5702, 5471, 5387, 5670, 5451, 5347 (8 hits) (06/18/2010 02:36:55 PM)
24	9	1.0	333.0	Yes	5673.0MHz, -63.0dBm	Hop sequence: 5336, 5297, 5710, 5416, 5684, 5363, 5307, 5338, 5281, 5520, 5663, 5360, 5529, 5579, 5507, 5414, 5542, 5366, 5275, 5575, 5543, 5266, 5365, 5494, 5564, 5429, 5600, 5265, 5664, 5500, 5324, 5586, 5594, 5371, 5508, 5690, 5411, 5264, 5714, 5671, 5483, 5605, 5398, 5480, 5604, 5311, 5263, 5584, 5498, 5572, 5550, 5352, 5644, 5609, 5421, 5252, 5433, 5460, 5712, 5449, 5290, 5502, 5292, 5660, 5325, 5431, 5356, 5641, 5261, 5505, 5603, 5513, 5424, 5293, 5253, 5279, 5680, 5357, 5616, 5548, 5282, 5456, 5406, 5464, 5560, 5316, 5516, 5299, 5402, 5457, 5692, 5554, 5270, 5468, 5551, 5317, 5463, 5347, 5445, 5328 (6 hits) (06/18/2010 02:37:04 PM)
25	9	1.0	333.0	Yes	5674.0MHz, -63.0dBm	Hop sequence: 5319, 5509, 5513, 5501, 5330, 5472, 5676, 5263, 5436, 5722, 5643, 5573, 5449, 5571, 5685, 5510, 5297, 5309, 5419, 5613, 5416, 5679, 5632, 5526, 5317, 5521, 5687, 5515, 5689, 5692, 5362, 5605, 5338, 5491, 5429, 5505, 5353, 5462, 5534, 5516, 5333, 5641, 5646, 5445, 5311, 5523, 5388, 5568, 5360, 5671, 5499, 5708, 5588,

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5701, 5497, 5527, 5695, 5332, 5321, 5691, 5599, 5257, 5608, 5703, 5379, 5658, 5427, 5296, 5400, 5618, 5464, 5466, 5675, 5377, 5596, 5563, 5677, 5652, 5301, 5633, 5574, 5439, 5615, 5486, 5591, 5475, 5636, 5663, 5628, 5673, 5698, 5274, 5680, 5279, 5477, 5395, 5503, 5644, 5553, 5444 (12 hits) (06/18/2010 02:37:12 PM)
26	9	1.0	333.0	Yes	5675.0MHz, -63.0dBm	Hop sequence: 5485, 5717, 5553, 5601, 5455, 5672, 5710, 5429, 5525, 5270, 5382, 5670, 5397, 5506, 5446, 5617, 5719, 5504, 5620, 5357, 5694, 5595, 5527, 5368, 5564, 5687, 5544, 5312, 5512, 5513, 5630, 5715, 5293, 5447, 5426, 5703, 5256, 5276, 5644, 5628, 5559, 5466, 5666, 5330, 5338, 5259, 5331, 5351, 5659, 5633, 5301, 5650, 5540, 5532, 5704, 5352, 5533, 5418, 5494, 5586, 5609, 5292, 5560, 5343, 5317, 5662, 5576, 5469, 5412, 5518, 5335, 5514, 5546, 5674, 5557, 5702, 5635, 5552, 5603, 5272, 5404, 5402, 5383, 5395, 5381, 5314, 5271, 5408, 5567, 5538, 5489, 5275, 5332, 5642, 5568, 5551, 5526, 5537, 5424, 5471 (7 hits) (06/18/2010 02:37:22 PM)
27	9	1.0	333.0	Yes	5676.0MHz, -63.0dBm	Hop sequence: 5470, 5550, 5693, 5349, 5310, 5494, 5330, 5637, 5636, 5491, 5629, 5517, 5672, 5663, 5472, 5260, 5705, 5254, 5521, 5655, 5490, 5578, 5709, 5485, 5433, 5698, 5539, 5662, 5368, 5630, 5631, 5530, 5401, 5309, 5480, 5437, 5723, 5473, 5528, 5711, 5656, 5371, 5374, 5301, 5527, 5286, 5430, 5387, 5492, 5614, 5667, 5455, 5720, 5622, 5327, 5450, 5372, 5697, 5461, 5294, 5336, 5342, 5291, 5718, 5361, 5389, 5352, 5596, 5590, 5523, 5623, 5562, 5617, 5568, 5407, 5445, 5644, 5419, 5288, 5536, 5456, 5682, 5674, 5599, 5610, 5552, 5606, 5354, 5481, 5263, 5703, 5510, 5586, 5482, 5685, 5319, 5609, 5613, 5289, 5331 (9 hits) (06/18/2010 02:37:30 PM)

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5677.0MHz, -63.0dBm	Hop sequence: 5262, 5500, 5650, 5715, 5430, 5466, 5681, 5292, 5518, 5284, 5416, 5308, 5388, 5648, 5429, 5259, 5523, 5567, 5415, 5707, 5310, 5350, 5549, 5519, 5381, 5605, 5721, 5469, 5667, 5647, 5679, 5627, 5261, 5512, 5450, 5451, 5475, 5646, 5690, 5343, 5371, 5656, 5304, 5421, 5624, 5578, 5700, 5460, 5306, 5392, 5349, 5561, 5453, 5364, 5315, 5508, 5582, 5675, 5285, 5282, 5467, 5716, 5376, 5604, 5407, 5595, 5254, 5330, 5400, 5378, 5550, 5548, 5345, 5703, 5713, 5322, 5531, 5673, 5481, 5726, 5572, 5639, 5386, 5360, 5329, 5642, 5552, 5447, 5443, 5514, 5369, 5537, 5427, 5385, 5691, 5408, 5321, 5494, 5363, 5538 (6 hits) (06/18/2010 02:37:43 PM)
29	9	1.0	333.0	Yes	5678.0MHz, -63.0dBm	Hop sequence: 5543, 5604, 5253, 5287, 5385, 5443, 5681, 5394, 5537, 5280, 5558, 5593, 5644, 5265, 5463, 5423, 5425, 5555, 5515, 5354, 5601, 5638, 5292, 5383, 5494, 5671, 5328, 5470, 5510, 5497, 5486, 5415, 5711, 5710, 5421, 5523, 5335, 5703, 5414, 5707, 5646, 5632, 5321, 5502, 5550, 5290, 5313, 5395, 5725, 5462, 5460, 5688, 5409, 5524, 5336, 5465, 5454, 5324, 5570, 5538, 5534, 5356, 5325, 5491, 5269, 5353, 5256, 5496, 5584, 5642, 5673, 5319, 5360, 5717, 5411, 5284, 5387, 5391, 5359, 5481, 5578, 5458, 5640, 5440, 5564, 5683, 5446, 5643, 5261, 5274, 5442, 5560, 5590, 5268, 5433, 5461, 5696, 5251, 5648, 5306 (5 hits) (06/18/2010 02:37:51 PM)
30	9	1.0	333.0	Yes	5679.0MHz, -63.0dBm	Hop sequence: 5648, 5504, 5494, 5546, 5405, 5701, 5671, 5307, 5427, 5695, 5254, 5268, 5388, 5442, 5373, 5532, 5570, 5251, 5499, 5712, 5530, 5354, 5535, 5341, 5416, 5273, 5525, 5720, 5361, 5371, 5672, 5469, 5629, 5722, 5678, 5633, 5381, 5522, 5370, 5521, 5408, 5573, 5667, 5498, 5292, 5620, 5581, 5486, 5368, 5586, 5338, 5518, 5600,

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5680, 5634, 5604, 5616, 5702, 5256, 5529, 5480, 5261, 5426, 5440, 5607, 5496, 5668, 5482, 5679, 5340, 5647, 5282, 5569, 5424, 5660, 5628, 5520, 5375, 5266, 5591, 5446, 5611, 5665, 5364, 5377, 5374, 5372, 5309, 5360, 5711, 5612, 5550, 5294, 5621, 5654, 5596, 5623, 5490, 5398, 5608 (10 hits) (06/18/2010 02:37:59 PM)
31	9	1.0	333.0	Yes	5680.0MHz, -63.0dBm	Hop sequence: 5697, 5546, 5565, 5514, 5581, 5603, 5376, 5313, 5490, 5723, 5474, 5515, 5329, 5264, 5632, 5620, 5504, 5368, 5667, 5413, 5334, 5592, 5633, 5559, 5709, 5314, 5282, 5377, 5586, 5593, 5435, 5302, 5637, 5601, 5387, 5305, 5622, 5271, 5315, 5716, 5338, 5580, 5430, 5306, 5374, 5319, 5610, 5383, 5588, 5468, 5609, 5311, 5691, 5508, 5699, 5427, 5664, 5476, 5647, 5606, 5461, 5440, 5480, 5367, 5617, 5674, 5287, 5373, 5399, 5289, 5421, 5301, 5683, 5655, 5597, 5718, 5690, 5682, 5260, 5453, 5573, 5462, 5259, 5561, 5657, 5672, 5545, 5724, 5298, 5650, 5525, 5263, 5293, 5350, 5388, 5696, 5717, 5444, 5429, 5614 (8 hits) (06/18/2010 02:38:08 PM)
32	9	1.0	333.0	Yes	5681.0MHz, -63.0dBm	Hop sequence: 5320, 5324, 5533, 5404, 5543, 5689, 5413, 5714, 5698, 5713, 5281, 5359, 5701, 5505, 5376, 5529, 5542, 5306, 5665, 5700, 5538, 5436, 5723, 5552, 5662, 5666, 5595, 5632, 5592, 5429, 5494, 5564, 5468, 5531, 5725, 5416, 5367, 5503, 5569, 5459, 5655, 5371, 5465, 5625, 5710, 5686, 5555, 5313, 5530, 5441, 5554, 5375, 5649, 5391, 5495, 5590, 5342, 5302, 5512, 5387, 5568, 5344, 5586, 5437, 5585, 5362, 5308, 5643, 5606, 5329, 5378, 5269, 5553, 5594, 5319, 5490, 5328, 5394, 5385, 5408, 5406, 5345, 5358, 5707, 5297, 5611, 5390, 5464, 5528, 5612, 5548, 5708, 5720, 5583, 5615, 5518, 5474, 5639, 5350, 5604 (5 hits) (06/18/2010 02:38:17 PM)

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5682.0MHz, -63.0dBm	Hop sequence: 5436, 5717, 5284, 5454, 5591, 5362, 5696, 5672, 5323, 5709, 5320, 5549, 5309, 5313, 5596, 5472, 5644, 5376, 5410, 5395, 5484, 5569, 5275, 5474, 5708, 5297, 5516, 5545, 5581, 5621, 5330, 5358, 5299, 5328, 5343, 5510, 5315, 5302, 5388, 5678, 5692, 5371, 5556, 5570, 5528, 5442, 5572, 5579, 5578, 5540, 5611, 5694, 5658, 5586, 5649, 5415, 5337, 5576, 5671, 5280, 5639, 5428, 5686, 5534, 5651, 5598, 5493, 5250, 5664, 5542, 5253, 5305, 5719, 5347, 5716, 5426, 5521, 5496, 5487, 5429, 5515, 5266, 5453, 5432, 5726, 5384, 5322, 5321, 5390, 5481, 5657, 5392, 5559, 5674, 5265, 5296, 5329, 5366, 5587, 5697 (8 hits) (06/18/2010 02:38:24 PM)
34	9	1.0	333.0	Yes	5683.0MHz, -63.0dBm	Hop sequence: 5573, 5498, 5715, 5301, 5461, 5571, 5421, 5302, 5482, 5510, 5422, 5714, 5489, 5624, 5370, 5525, 5516, 5639, 5644, 5325, 5538, 5314, 5307, 5643, 5279, 5462, 5273, 5549, 5653, 5716, 5630, 5275, 5399, 5278, 5672, 5379, 5670, 5726, 5254, 5671, 5667, 5390, 5487, 5250, 5367, 5583, 5297, 5319, 5287, 5429, 5388, 5559, 5494, 5400, 5578, 5621, 5499, 5355, 5545, 5401, 5577, 5356, 5533, 5724, 5286, 5347, 5614, 5457, 5274, 5369, 5407, 5552, 5548, 5703, 5426, 5412, 5368, 5604, 5451, 5550, 5324, 5526, 5507, 5603, 5566, 5636, 5349, 5527, 5521, 5376, 5679, 5646, 5315, 5342, 5628, 5321, 5532, 5337, 5693, 5322 (6 hits) (06/18/2010 02:38:32 PM)
35	9	1.0	333.0	Yes	5684.0MHz, -63.0dBm	Hop sequence: 5561, 5383, 5384, 5421, 5557, 5559, 5453, 5413, 5722, 5687, 5314, 5471, 5664, 5403, 5285, 5307, 5715, 5603, 5671, 5276, 5258, 5563, 5550, 5517, 5669, 5467, 5580, 5631, 5493, 5564, 5291, 5602, 5286, 5565, 5333, 5340, 5507, 5650, 5438, 5344, 5341, 5262, 5272, 5338, 5610, 5661, 5676, 5638, 5522, 5472, 5331, 5621, 5310,

Table 51 - FCC frequency hopping radar (Type 6) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5528, 5308, 5607, 5391, 5442, 5352, 5570, 5704, 5537, 5500, 5485, 5708, 5325, 5360, 5689, 5353, 5538, 5523, 5709, 5520, 5479, 5334, 5623, 5312, 5660, 5726, 5484, 5675, 5506, 5367, 5699, 5624, 5420, 5273, 5402, 5462, 5436, 5711, 5318, 5478, 5663, 5713, 5494, 5635, 5295, 5429, 5670 (10 hits) (06/18/2010 02:38:41 PM)
36	9	1.0	333.0	Yes	5685.0MHz, -63.0dBm	Hop sequence: 5304, 5704, 5701, 5646, 5721, 5620, 5569, 5497, 5578, 5435, 5690, 5328, 5644, 5539, 5344, 5387, 5540, 5517, 5686, 5625, 5516, 5342, 5380, 5597, 5355, 5467, 5562, 5348, 5500, 5459, 5602, 5616, 5320, 5568, 5520, 5679, 5558, 5428, 5661, 5526, 5252, 5274, 5483, 5303, 5645, 5275, 5440, 5377, 5532, 5414, 5711, 5329, 5429, 5314, 5335, 5478, 5269, 5381, 5642, 5575, 5615, 5333, 5547, 5406, 5579, 5289, 5717, 5287, 5474, 5709, 5446, 5623, 5461, 5671, 5553, 5371, 5577, 5698, 5298, 5357, 5637, 5319, 5392, 5481, 5313, 5419, 5469, 5479, 5421, 5703, 5598, 5362, 5468, 5675, 5417, 5596, 5527, 5673, 5293, 5505 (6 hits) (06/18/2010 02:38:48 PM)
37	9	1.0	333.0	Yes	5686.0MHz, -63.0dBm	Hop sequence: 5478, 5483, 5708, 5255, 5454, 5650, 5473, 5660, 5411, 5390, 5563, 5550, 5256, 5587, 5639, 5594, 5596, 5720, 5449, 5524, 5341, 5618, 5369, 5250, 5342, 5455, 5406, 5613, 5400, 5665, 5683, 5338, 5312, 5445, 5268, 5494, 5446, 5324, 5721, 5257, 5474, 5612, 5670, 5504, 5678, 5679, 5649, 5648, 5516, 5654, 5591, 5554, 5545, 5443, 5599, 5414, 5337, 5700, 5252, 5467, 5539, 5254, 5373, 5588, 5314, 5562, 5415, 5561, 5487, 5681, 5262, 5405, 5568, 5295, 5628, 5419, 5623, 5619, 5462, 5583, 5659, 5326, 5482, 5407, 5703, 5350, 5265, 5319, 5379, 5387, 5497, 5522, 5372, 5582, 5526, 5722, 5531, 5448, 5593, 5356 (9 hits) (06/18/2010 02:38:56 PM)

Table 52 - Long Sequence Waveform Summary 40 MHz

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	NOT Detected	5300.0MHz, -63.0dBm
Trial #2	Detected	5295.0MHz, -63.0dBm
Trial #3	Detected	5290.0MHz, -63.0dBm
Trial #4	Detected	5310.0MHz, -63.0dBm
Trial #5	Detected	5305.0MHz, -63.0dBm
Trial #6	Detected	5300.0MHz, -63.0dBm
Trial #7	Detected	5295.0MHz, -63.0dBm
Trial #8	Detected	5290.0MHz, -63.0dBm
Trial #9	Detected	5310.0MHz, -63.0dBm
Trial #10	Detected	5305.0MHz, -63.0dBm
Trial #11	NOT Detected	5300.0MHz, -63.0dBm
Trial #12	Detected	5295.0MHz, -63.0dBm
Trial #13	Detected	5290.0MHz, -63.0dBm
Trial #14	Detected	5310.0MHz, -63.0dBm
Trial #15	NOT Detected	5305.0MHz, -63.0dBm
Trial #16	Detected	5300.0MHz, -63.0dBm
Trial #17	Detected	5295.0MHz, -63.0dBm
Trial #18	Detected	5290.0MHz, -63.0dBm
Trial #19	Detected	5310.0MHz, -63.0dBm
Trial #20	Detected	5305.0MHz, -63.0dBm
Trial #21	Detected	5300.0MHz, -63.0dBm
Trial #22	Detected	5295.0MHz, -63.0dBm
Trial #23	Detected	5290.0MHz, -63.0dBm
Trial #24	Detected	5310.0MHz, -63.0dBm
Trial #25	NOT Detected	5305.0MHz, -63.0dBm
Trial #26	NOT Detected	5300.0MHz, -63.0dBm

Table 52 - Long Sequence Waveform Summary 40 MHz

Long Sequence Trial		Result	Radar Frequency / Amplitude
Trial #27		Detected	5295.0MHz, -63.0dBm
Trial #28		Detected	5290.0MHz, -63.0dBm
Trial #29		Detected	5310.0MHz, -63.0dBm
Trial #30		Detected	5305.0MHz, -63.0dBm

Table 53 - 40 MHz Long Sequence Waveform Trial#1 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	68.8	20	1829.0	-	1.038524
2	3	91.9	8	1362.0	1951.0	1.938843
3	1	94.8	17	-	-	3.034349
4	1	96.7	18	-	-	3.709293
5	3	65.2	7	1105.0	1976.0	5.006383
6	2	69.6	20	1040.0	-	6.454486
7	3	74.2	20	1380.0	1681.0	6.892885
8	2	86.8	15	1896.0	-	8.284149
9	1	71.9	18	-	-	8.893637
10	2	86.3	11	1067.0	-	10.580773
11	2	63.5	16	1788.0	-	10.914509

Table 54 - 40 MHz Long Sequence Waveform Trial#2 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	61.6	8	-	-	0.245098
2	1	83.2	15	-	-	1.396053
3	2	90.7	8	1422.0	-	2.389666
4	3	66.1	14	1102.0	1848.0	2.737641
5	2	62.1	9	1145.0	-	3.803433
6	2	85.3	6	1728.0	-	4.623366
7	1	77.7	6	-	-	5.588516
8	1	73.1	6	-	-	6.671924
9	2	82.8	10	1008.0	-	7.114207
10	2	97.3	17	1281.0	-	7.943487
11	1	78.3	17	-	-	8.867644
12	2	95.6	16	1422.0	-	10.069669
13	1	65.1	13	-	-	11.005554
14	1	70.3	17	-	-	11.817169

Table 55 - 40 MHz Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	81.9	14	-	-	0.618458
2	2	98.7	15	1641.0	-	0.971769
3	2	78.3	15	1526.0	-	2.129913
4	2	55.3	7	1504.0	-	2.516833
5	2	88.1	12	1020.0	-	3.595655

Table 55 - 40 MHz Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
6	2	79.2	17	1156.0	-	4.473814
7	1	98.5	13	-	-	4.549399
8	3	93.2	13	1771.0	1935.0	5.346675
9	1	86.6	9	-	-	6.645667
10	2	62.0	15	1314.0	-	7.369666
11	2	62.8	8	1412.0	-	7.535031
12	3	55.6	11	1206.0	1095.0	8.811734
13	3	57.6	17	1190.0	1778.0	9.595976
14	2	66.0	10	1388.0	-	10.174765
15	2	90.3	15	1468.0	-	10.906828
16	2	97.6	8	1291.0	-	11.695702

Table 56 - 40 MHz Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	91.2	7	1449.0	-	0.097272
2	2	67.1	16	1602.0	-	0.931802
3	3	57.1	18	1952.0	1294.0	2.388878
4	2	51.0	10	1387.0	-	2.402072
5	1	60.1	17	-	-	3.757584
6	1	80.2	12	-	-	4.577722
7	3	86.9	19	1641.0	1690.0	4.956916
8	2	58.1	11	1304.0	-	5.675586
9	2	75.6	5	1075.0	-	6.644893
10	2	92.0	9	1998.0	-	7.492596
11	2	91.9	8	1301.0	-	8.410714
12	2	57.9	6	1799.0	-	9.160686
13	3	84.6	11	1716.0	1349.0	10.164471
14	3	67.9	17	1843.0	1709.0	11.019420
15	3	88.9	6	1298.0	1888.0	11.408861

Table 57 - 40 MHz Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	80.8	6	1625.0	-	0.283075
2	2	70.8	9	1677.0	-	1.424189
3	2	94.6	18	1655.0	-	1.636730
4	2	93.9	17	1241.0	-	2.356865
5	3	94.6	5	1316.0	1870.0	3.639239
6	2	67.6	17	1213.0	-	4.103546
7	2	53.9	15	1116.0	-	5.031435
8	2	65.2	8	1123.0	-	5.429775
9	1	92.5	13	-	-	6.487758
10	2	78.1	11	1201.0	-	7.382819
11	1	77.2	9	-	-	7.652914
12	2	93.4	18	1305.0	-	8.518371
13	2	54.7	12	1827.0	-	9.417597
14	2	71.0	18	1761.0	-	9.768950
15	3	58.5	6	1610.0	1180.0	10.685269
16	1	88.5	5	-	-	11.579668

Table 58 - 40 MHz Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	72.9	6	-	-	0.005539
2	2	85.3	18	1564.0	-	1.035988
3	2	73.2	17	1382.0	-	2.270258
4	2	67.2	17	1454.0	-	3.191430
5	3	93.7	8	1101.0	1780.0	4.068042
6	2	54.0	18	1168.0	-	4.300223
7	3	54.0	8	1255.0	1363.0	5.253713
8	2	63.8	6	1149.0	-	6.399681
9	2	60.9	19	1318.0	-	6.859688
10	2	84.5	9	1832.0	-	7.818496
11	3	63.0	8	1030.0	1061.0	9.140281
12	2	93.1	11	1341.0	-	9.871506
13	3	92.5	13	1614.0	1548.0	11.049727
14	2	70.3	10	1262.0	-	11.480722

Table 59 - 40 MHz Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	60.9	10	1659.0	1172.0	0.675778
2	2	56.4	17	1729.0	-	1.248517
3	3	52.9	9	1440.0	1600.0	1.597148
4	3	91.2	17	1641.0	1587.0	2.580395
5	3	65.9	13	1600.0	1644.0	3.566841
6	1	90.9	18	-	-	4.087496
7	1	84.2	8	-	-	4.762770
8	3	78.5	19	1984.0	1217.0	5.822443
9	1	88.0	7	-	-	6.064308
10	1	80.5	7	-	-	7.189179
11	1	55.5	19	-	-	8.242547
12	2	98.7	6	1793.0	-	8.488805
13	2	83.0	5	1921.0	-	9.469718
14	3	94.0	14	1576.0	1247.0	10.307304
15	1	52.2	10	-	-	10.836784
16	2	86.1	8	1870.0	-	11.961562

Table 60 - 40 MHz Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	73.1	6	1573.0	-	0.903390
2	3	60.5	9	1672.0	1660.0	2.848903
3	3	71.4	12	1334.0	1773.0	3.082331
4	2	61.3	7	1346.0	-	5.351226
5	1	87.7	9	-	-	6.036717
6	2	60.3	15	1214.0	-	8.825922
7	1	53.6	10	-	-	10.018683
8	3	72.2	16	1692.0	1872.0	11.632741

Table 61 - 40 MHz Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	59.1	17	1556.0	1715.0	0.542742
2	2	54.7	18	1432.0	-	1.406751
3	2	70.1	17	1860.0	-	2.614963
4	2	58.9	12	1917.0	-	3.889497
5	2	78.5	11	1269.0	-	5.411324
6	1	50.7	11	-	-	6.525805
7	2	51.4	7	1223.0	-	6.620349
8	1	53.4	7	-	-	7.725737
9	2	71.7	10	1007.0	-	9.673782
10	1	98.1	14	-	-	9.933448
11	2	82.2	5	1969.0	-	11.821377

Table 62 - 40 MHz Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	72.5	13	1893.0	1197.0	0.537552
2	2	94.0	5	1197.0	-	1.458739
3	3	96.4	18	1146.0	1480.0	2.125388
4	1	55.2	12	-	-	2.403159
5	1	60.9	6	-	-	3.389794
6	2	81.4	13	1250.0	-	4.489056
7	3	73.8	6	1359.0	1921.0	4.749308
8	2	50.8	8	1578.0	-	5.415451
9	3	64.0	11	1305.0	1215.0	6.399074
10	1	69.7	15	-	-	7.099565
11	3	63.8	19	1095.0	1605.0	7.657957
12	2	75.1	20	1301.0	-	8.329935
13	1	95.2	20	-	-	9.054960
14	2	56.6	18	1815.0	-	10.160144
15	2	96.3	14	1288.0	-	10.715557
16	2	70.6	12	1870.0	-	11.337893

Table 63 - 40 MHz Long Sequence Waveform Trial#11 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	74.6	13	-	-	0.991078
2	2	61.3	6	1509.0	-	1.699648
3	1	98.7	14	-	-	2.158868
4	3	86.9	12	1082.0	1489.0	3.685789
5	2	86.4	14	1320.0	-	4.498101
6	3	89.6	13	1184.0	1846.0	5.065324
7	2	74.5	8	1337.0	-	6.235736
8	2	84.0	12	1651.0	-	7.562858
9	2	91.6	12	1024.0	-	8.703483
10	2	67.0	15	1915.0	-	9.971246
11	2	89.2	6	1367.0	-	10.927032
12	3	50.8	17	1387.0	1759.0	11.524482

Table 64 - 40 MHz Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)

Table 64 - 40 MHz Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	65.9	11	-	-	0.655290
2	2	69.9	6	1006.0	-	1.550940
3	2	84.5	9	1239.0	-	2.089355
4	1	71.8	6	-	-	3.287165
5	3	83.8	13	1867.0	1739.0	3.475881
6	3	64.5	15	1693.0	1099.0	4.853290
7	1	92.3	19	-	-	5.280737
8	1	77.6	5	-	-	6.067761
9	1	80.5	11	-	-	7.518232
10	1	73.4	17	-	-	8.149568
11	2	91.7	17	1370.0	-	8.708812
12	2	60.9	18	1177.0	-	9.891056
13	2	75.7	9	1357.0	-	10.788566
14	2	58.9	10	1317.0	-	11.293678

Table 65 - 40 MHz Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	65.7	19	-	-	0.443292
2	2	81.7	14	1766.0	-	1.020849
3	1	85.2	18	-	-	1.959290
4	3	80.5	13	1064.0	1352.0	2.394981
5	3	71.0	19	1423.0	1144.0	2.925959
6	3	70.1	17	1992.0	1250.0	4.198530
7	1	90.6	9	-	-	4.458086
8	3	62.0	12	1679.0	1562.0	5.063892
9	2	92.1	11	1485.0	-	5.980256
10	1	54.9	14	-	-	6.953581
11	1	87.1	15	-	-	7.148019
12	2	61.1	11	1878.0	-	8.282687
13	1	98.7	19	-	-	8.747300
14	3	92.1	14	1363.0	1636.0	9.378186
15	3	89.2	8	1464.0	1639.0	10.324897
16	1	66.9	6	-	-	11.139650
17	3	80.5	8	1685.0	1300.0	11.784758

Table 66 - 40 MHz Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	85.9	10	1737.0	-	0.561159
2	2	96.3	7	1103.0	-	0.900903
3	2	56.7	20	1537.0	-	2.004278
4	3	75.9	11	1618.0	1247.0	2.868181
5	2	60.2	9	1732.0	-	3.736130
6	1	53.2	14	-	-	4.067463
7	3	56.8	11	1056.0	1884.0	4.876194
8	1	53.1	8	-	-	5.950549
9	2	69.0	9	1108.0	-	7.113468
10	2	69.8	7	1951.0	-	7.897679
11	1	90.8	20	-	-	8.386314

Table 66 - 40 MHz Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
12	1	52.0	9	-	-	9.420936
13	3	51.3	12	1598.0	1213.0	10.049383
14	1	73.2	7	-	-	11.034424
15	1	56.8	14	-	-	11.522646

Table 67 - 40 MHz Long Sequence Waveform Trial#15 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	88.7	9	1821.0	1168.0	0.251596
2	3	53.5	12	1540.0	1024.0	1.462073
3	3	61.4	20	1188.0	1731.0	2.552440
4	2	84.6	16	1540.0	-	2.888287
5	1	53.7	17	-	-	4.243745
6	2	72.9	10	1014.0	-	4.810212
7	1	71.1	6	-	-	5.559795
8	1	79.6	12	-	-	6.289532
9	2	62.7	18	1037.0	-	7.512314
10	1	53.7	9	-	-	8.248588
11	3	54.6	15	1958.0	1651.0	8.582285
12	2	72.8	8	1183.0	-	9.431122
13	3	83.7	17	1170.0	1843.0	10.762309
14	2	53.4	5	1138.0	-	11.269687

Table 68 - 40 MHz Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	64.6	11	1304.0	-	1.165695
2	1	51.1	10	-	-	1.580277
3	2	50.6	6	1309.0	-	3.280302
4	3	93.4	8	1924.0	1908.0	4.326395
5	3	94.9	19	1944.0	1456.0	6.400306
6	3	92.2	9	1152.0	1908.0	7.682598
7	3	79.1	19	1030.0	1668.0	8.962433
8	2	81.7	8	1951.0	-	9.747990
9	2	88.3	13	1486.0	-	11.971107

Table 69 - 40 MHz Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	62.3	18	1275.0	-	0.518543
2	1	58.9	14	-	-	0.952259
3	1	57.1	13	-	-	1.617509
4	2	64.0	11	1250.0	-	2.314938
5	3	95.3	15	1487.0	1210.0	2.413939
6	2	72.3	5	1918.0	-	3.223084
7	3	90.3	8	1386.0	1016.0	3.638256
8	3	96.8	17	1287.0	1216.0	4.537218
9	1	87.5	14	-	-	5.299835
10	2	52.1	12	1308.0	-	5.650716

Table 69 - 40 MHz Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
11	1	74.8	12	-	-	6.228203
12	3	81.8	16	1781.0	1080.0	7.065908
13	1	86.0	12	-	-	7.293963
14	3	88.3	8	1443.0	1217.0	8.327488
15	2	93.7	14	1136.0	-	8.986429
16	2	91.2	8	1494.0	-	9.197741
17	2	63.9	6	1632.0	-	10.168309
18	2	75.9	13	1871.0	-	10.712202
19	1	77.5	16	-	-	11.249079
20	1	99.7	12	-	-	11.841593

Table 70 - 40 MHz Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	87.8	16	1831.0	1322.0	0.238785
2	1	79.5	14	-	-	1.071919
3	3	94.9	6	1518.0	1202.0	1.975670
4	2	72.5	18	1135.0	-	2.575719
5	2	68.6	18	1208.0	-	3.311866
6	2	59.9	20	1222.0	-	4.084748
7	2	92.6	14	1278.0	-	4.662036
8	1	69.2	15	-	-	5.618846
9	3	54.7	14	1692.0	1550.0	6.257014
10	2	96.1	16	1609.0	-	7.170110
11	2	59.0	9	1554.0	-	8.206947
12	2	83.8	7	1783.0	-	8.717871
13	1	73.3	20	-	-	9.179845
14	1	96.5	14	-	-	9.892359
15	2	53.2	15	1127.0	-	10.587398
16	2	80.8	15	1464.0	-	11.287942

Table 71 - 40 MHz Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	60.6	14	1166.0	1950.0	0.432648
2	3	75.9	12	1089.0	1467.0	1.520324
3	2	56.0	18	1585.0	-	1.840117
4	2	86.9	15	1634.0	-	2.433798
5	2	51.0	12	1797.0	-	3.526039
6	1	58.8	9	-	-	4.089135
7	2	56.4	13	1866.0	-	5.200483
8	2	67.6	16	1416.0	-	6.227759
9	3	89.7	8	1172.0	1232.0	6.653981
10	1	98.5	8	-	-	7.466714
11	2	56.5	18	1254.0	-	8.382541
12	1	62.0	16	-	-	9.041407
13	3	57.5	16	1105.0	1635.0	9.983354
14	1	90.2	19	-	-	10.521270
15	3	99.5	19	1656.0	1905.0	11.909441

Table 72 - 40 MHz Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	86.7	13	1367.0	-	0.145325
2	2	56.6	6	1473.0	-	1.075822
3	3	76.4	15	1156.0	1620.0	1.906203
4	1	78.9	5	-	-	2.439972
5	1	91.4	9	-	-	2.976880
6	2	75.8	16	1590.0	-	4.005388
7	2	58.3	15	1434.0	-	4.260919
8	1	80.1	14	-	-	5.299787
9	3	60.3	10	1905.0	1419.0	6.166019
10	2	68.7	14	1086.0	-	6.996664
11	1	93.8	9	-	-	7.469271
12	2	78.1	19	1536.0	-	7.885165
13	2	56.4	6	1870.0	-	8.893244
14	1	94.4	15	-	-	9.849530
15	3	64.6	15	1938.0	1955.0	10.394014
16	2	68.3	14	1305.0	-	10.760379
17	2	68.6	19	1734.0	-	11.833869

Table 73 - 40 MHz Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	83.2	16	1273.0	-	0.896445
2	2	55.6	9	1319.0	-	1.152156
3	3	75.1	15	1209.0	1008.0	2.149379
4	3	74.5	8	1554.0	1441.0	3.536248
5	3	57.7	15	1799.0	1860.0	3.834095
6	2	98.4	11	1385.0	-	4.948273
7	3	56.0	15	1144.0	1554.0	5.969524
8	2	97.0	9	1572.0	-	6.604944
9	2	80.3	17	1601.0	-	7.912785
10	2	53.9	9	1544.0	-	9.159937
11	1	87.6	9	-	-	10.113775
12	2	58.8	17	1403.0	-	10.842279
13	2	70.9	8	1479.0	-	11.165009

Table 74 - 40 MHz Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	57.6	18	1758.0	-	1.086046
2	2	66.6	6	1731.0	-	1.646695
3	3	97.9	8	1717.0	1639.0	2.610295
4	3	75.4	8	1832.0	1491.0	4.207900
5	2	63.2	12	1376.0	-	5.381066
6	1	58.5	7	-	-	5.795467
7	2	86.7	15	1213.0	-	6.937725
8	1	60.8	9	-	-	7.649829
9	3	66.4	9	1794.0	1276.0	9.644409
10	3	85.0	7	1729.0	1824.0	10.291245
11	2	96.2	15	1818.0	-	11.297784

Table 75 - 40 MHz Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	62.4	17	1180.0	-	0.590031
2	3	88.1	13	1890.0	1908.0	0.924034
3	2	84.2	17	1576.0	-	1.801650
4	1	96.8	7	-	-	2.481636
5	2	53.3	13	1273.0	-	3.314725
6	3	74.7	10	1616.0	1628.0	3.826112
7	2	85.6	7	1062.0	-	4.399757
8	2	51.0	12	1815.0	-	5.212612
9	2	97.9	10	1765.0	-	5.783269
10	2	54.6	14	1786.0	-	6.398524
11	1	99.2	18	-	-	6.786360
12	2	96.1	9	1764.0	-	7.471760
13	2	72.4	15	1262.0	-	8.223773
14	2	62.4	14	1580.0	-	9.192410
15	2	74.2	9	1223.0	-	9.379634
16	2	93.8	17	1121.0	-	10.044509
17	1	55.2	14	-	-	10.988646
18	1	96.1	6	-	-	11.734204

Table 76 - 40 MHz Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	53.0	19	1119.0	1152.0	0.657633
2	3	57.8	11	1152.0	1184.0	0.977066
3	2	65.6	8	1674.0	-	1.826631
4	1	70.0	17	-	-	2.184970
5	2	78.0	18	1348.0	-	2.705472
6	2	60.3	15	1674.0	-	3.823896
7	2	78.0	15	1160.0	-	4.192127
8	2	65.6	6	1038.0	-	4.738783
9	2	61.5	19	1380.0	-	5.811584
10	2	86.9	19	1475.0	-	6.477356
11	2	74.5	13	1481.0	-	6.685800
12	2	93.7	10	1475.0	-	7.650519
13	3	97.4	12	1726.0	1801.0	8.223391
14	2	56.7	17	1040.0	-	8.701845
15	1	54.5	13	-	-	9.392495
16	3	69.8	6	1495.0	1258.0	10.471834
17	2	58.6	14	1661.0	-	10.975809
18	2	71.9	19	1973.0	-	11.659620

Table 77 - 40 MHz Long Sequence Waveform Trial#25 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	73.2	11	1317.0	1172.0	1.211743
2	3	77.2	13	1587.0	1055.0	1.725649
3	2	76.8	13	1749.0	-	3.343982
4	2	62.8	12	1999.0	-	4.788048
5	1	75.4	19	-	-	6.994106
6	1	50.9	16	-	-	7.988771

Table 77 - 40 MHz Long Sequence Waveform Trial#25 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
7	1	96.9	9	-	-	10.424732
8	2	57.3	17	1516.0	-	11.314739

Table 78 - 40 MHz Long Sequence Waveform Trial#26 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	79.4	12	1422.0	-	0.170520
2	2	96.0	7	1936.0	-	1.435682
3	3	66.9	16	1766.0	1281.0	2.074123
4	1	59.7	6	-	-	2.855859
5	3	57.4	17	1493.0	1284.0	3.514160
6	3	82.2	13	1296.0	1337.0	4.403199
7	3	82.0	9	1492.0	1895.0	4.537243
8	2	74.4	13	1969.0	-	5.481073
9	2	65.8	8	1421.0	-	6.667639
10	3	55.2	18	1518.0	1377.0	6.843998
11	3	58.7	10	1049.0	1263.0	7.753676
12	2	86.0	13	1979.0	-	8.523713
13	2	59.5	17	1203.0	-	9.223098
14	1	93.8	12	-	-	9.877670
15	2	53.7	11	1044.0	-	11.240554
16	3	66.6	18	1801.0	1763.0	11.376189

Table 79 - 40 MHz Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	73.6	8	1862.0	-	0.789329
2	1	97.2	19	-	-	1.671198
3	1	74.3	13	-	-	2.832303
4	1	68.8	12	-	-	4.688517
5	2	56.1	17	1997.0	-	5.640669
6	3	65.3	9	1976.0	1474.0	6.081718
7	1	99.3	18	-	-	8.082478
8	2	79.8	8	1920.0	-	9.515888
9	2	59.4	6	1929.0	-	9.794014
10	2	69.0	17	1182.0	-	10.956610

Table 80 - 40 MHz Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	75.5	8	-	-	0.771271
2	2	94.6	10	1194.0	-	1.638340
3	1	76.3	19	-	-	3.023545
4	2	50.0	17	1545.0	-	4.586907
5	2	77.6	19	1167.0	-	5.192718
6	3	50.1	6	1504.0	1375.0	6.583382
7	1	68.4	9	-	-	7.287903
8	2	87.9	16	1892.0	-	8.437169
9	3	67.4	18	1485.0	1235.0	10.450542

Table 80 - 40 MHz Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
10	2	79.6	6	1117.0	-	10.955495

Table 81 - 40 MHz Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	77.2	5	1163.0	-	0.218588
2	2	61.1	10	1596.0	-	1.007238
3	3	82.6	17	1026.0	1903.0	1.685196
4	2	64.9	13	1531.0	-	1.955583
5	2	95.8	9	1557.0	-	2.555662
6	1	79.7	9	-	-	3.376502
7	3	70.2	14	1956.0	1685.0	3.902922
8	3	92.2	12	1876.0	1977.0	4.749649
9	1	93.2	9	-	-	5.292986
10	1	75.3	8	-	-	5.824883
11	1	88.9	14	-	-	6.342162
12	3	63.9	13	1449.0	1267.0	6.925700
13	2	82.3	5	1899.0	-	7.502795
14	3	74.0	13	1035.0	1122.0	8.199919
15	3	96.5	14	1605.0	1996.0	8.843715
16	2	66.3	10	1917.0	-	9.307431
17	2	67.9	10	1869.0	-	10.151556
18	1	93.7	14	-	-	10.737881
19	2	53.8	7	1900.0	-	11.375795
20	3	51.5	17	1120.0	1622.0	11.946526

Table 82 - 40 MHz Long Sequence Waveform Trial#30 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	84.7	17	1009.0	1874.0	0.161477
2	3	78.6	13	1302.0	1196.0	1.172411
3	2	94.9	14	1094.0	-	1.225901
4	2	64.5	17	1881.0	-	2.194532
5	2	91.8	16	1997.0	-	2.434104
6	2	91.5	19	1458.0	-	3.223368
7	1	63.6	18	-	-	3.652741
8	2	98.5	15	1646.0	-	4.568631
9	2	88.2	7	1641.0	-	4.893985
10	2	70.0	9	1498.0	-	5.558086
11	2	50.8	11	1700.0	-	6.400978
12	3	75.5	11	1624.0	1108.0	6.621824
13	2	53.0	19	1025.0	-	7.477363
14	1	72.7	20	-	-	7.913726
15	1	64.2	8	-	-	8.757932
16	2	89.0	19	1227.0	-	9.066226
17	2	63.9	14	1414.0	-	9.637668
18	1	51.6	9	-	-	10.533250
19	2	85.1	13	1058.0	-	10.977422
20	2	77.2	14	1652.0	-	11.954284

Appendix C Test Data Tables and Plots for Channel Closing**FCC PART 15 SUBPART E Channel Closing Measurements****Table 83 FCC Part 15 Subpart E Channel Closing Test Results**

Waveform Type	Channel Closing Transmission Time ¹		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	14.8ms	60 ms	4.1s	10 s	PASS
Radar Type 5	0ms	60 ms	0s	10 s	PASS

After the final channel closing test the channel was monitored for a further 30 minutes. No transmissions occurred on the channel.

¹ Channel closing time for FCC measurements is the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.

Elliott Timing Plots - Channel Closing

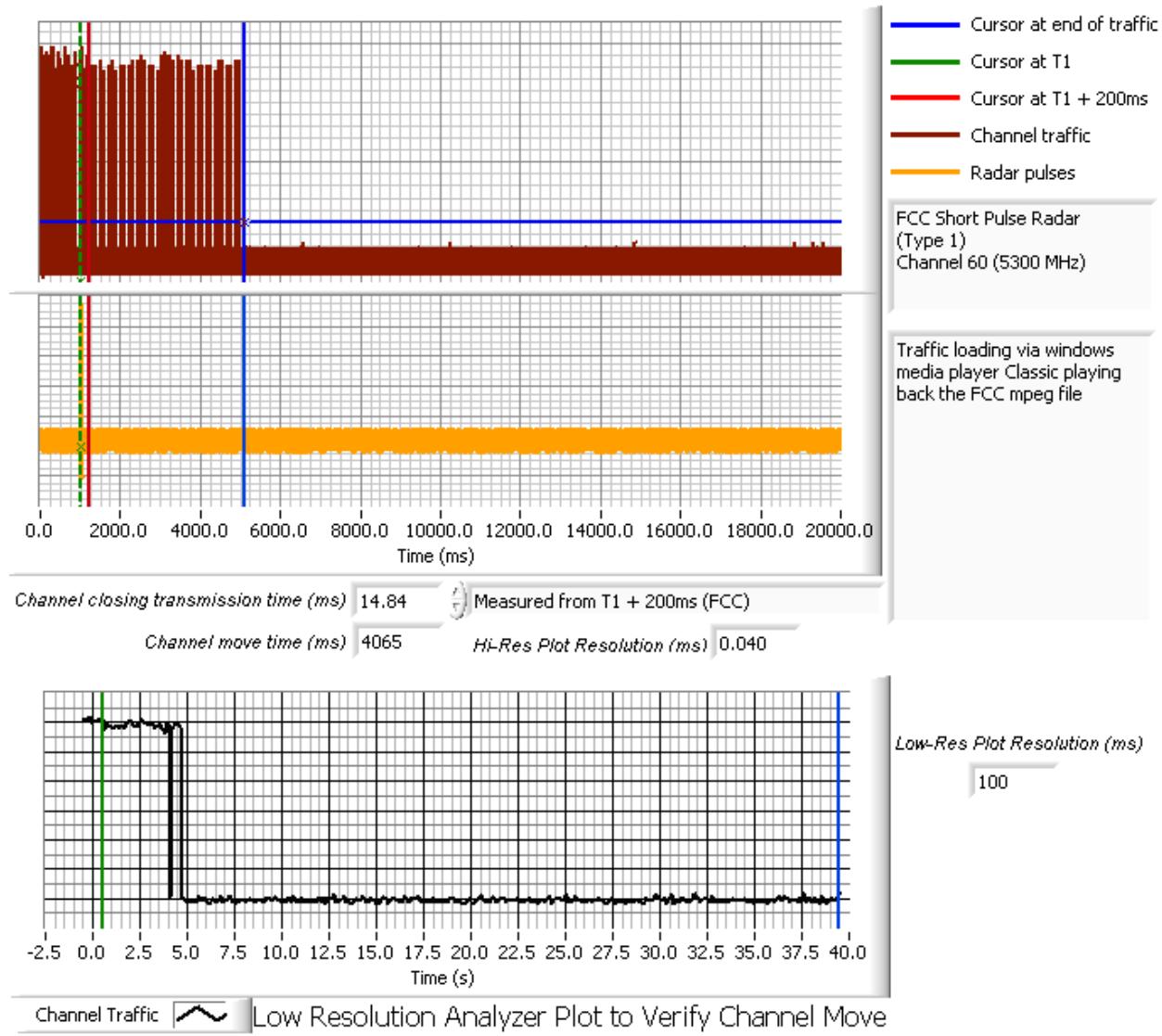


Figure 3 Closing Time and Channel Move Time (n20) – 40 second plot

Elliott Timing Plots - Channel Closing

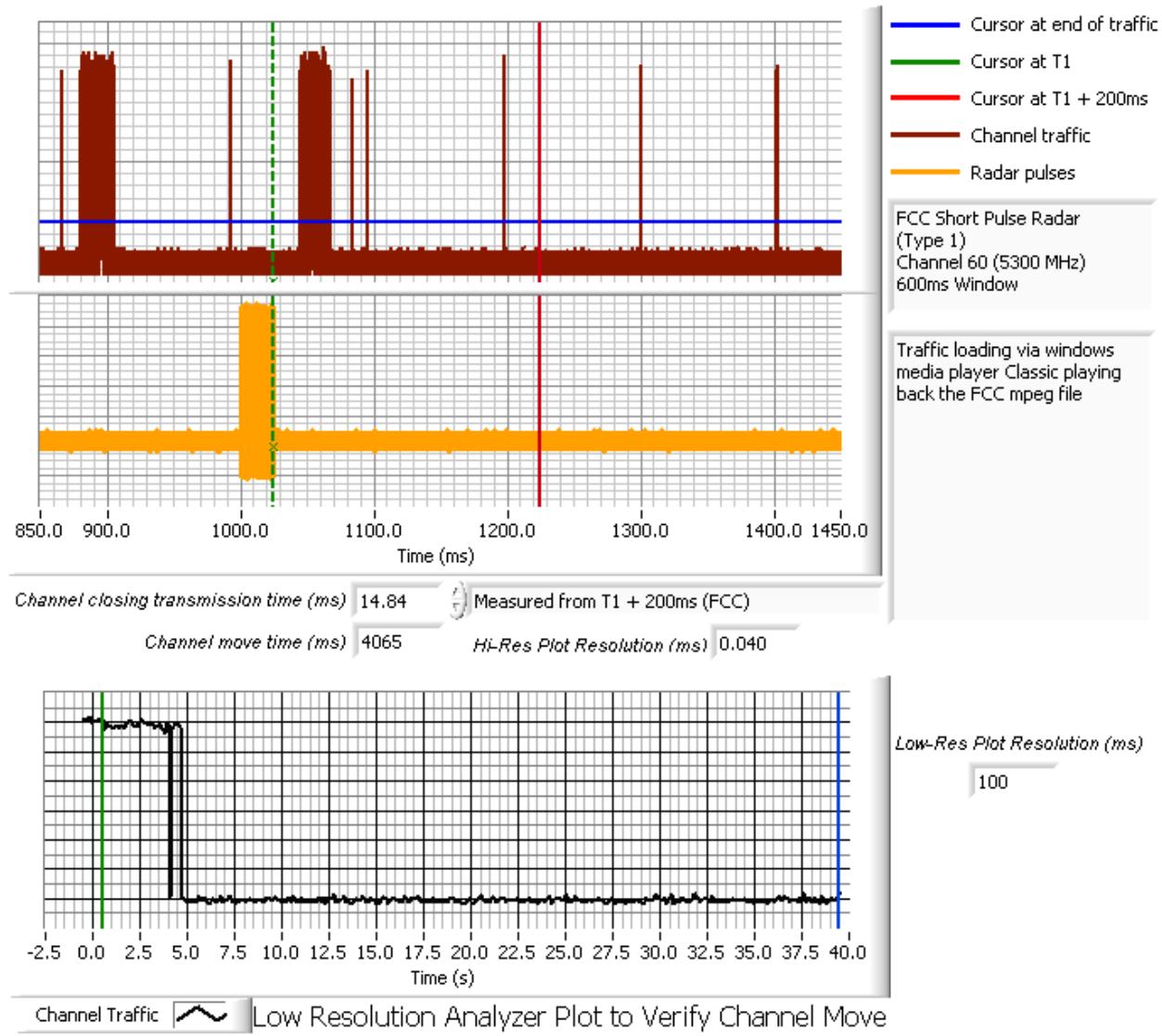


Figure 4 Closing Time and Channel Move Time (n20) – 600ms plot

Elliott Timing Plots - Channel Closing

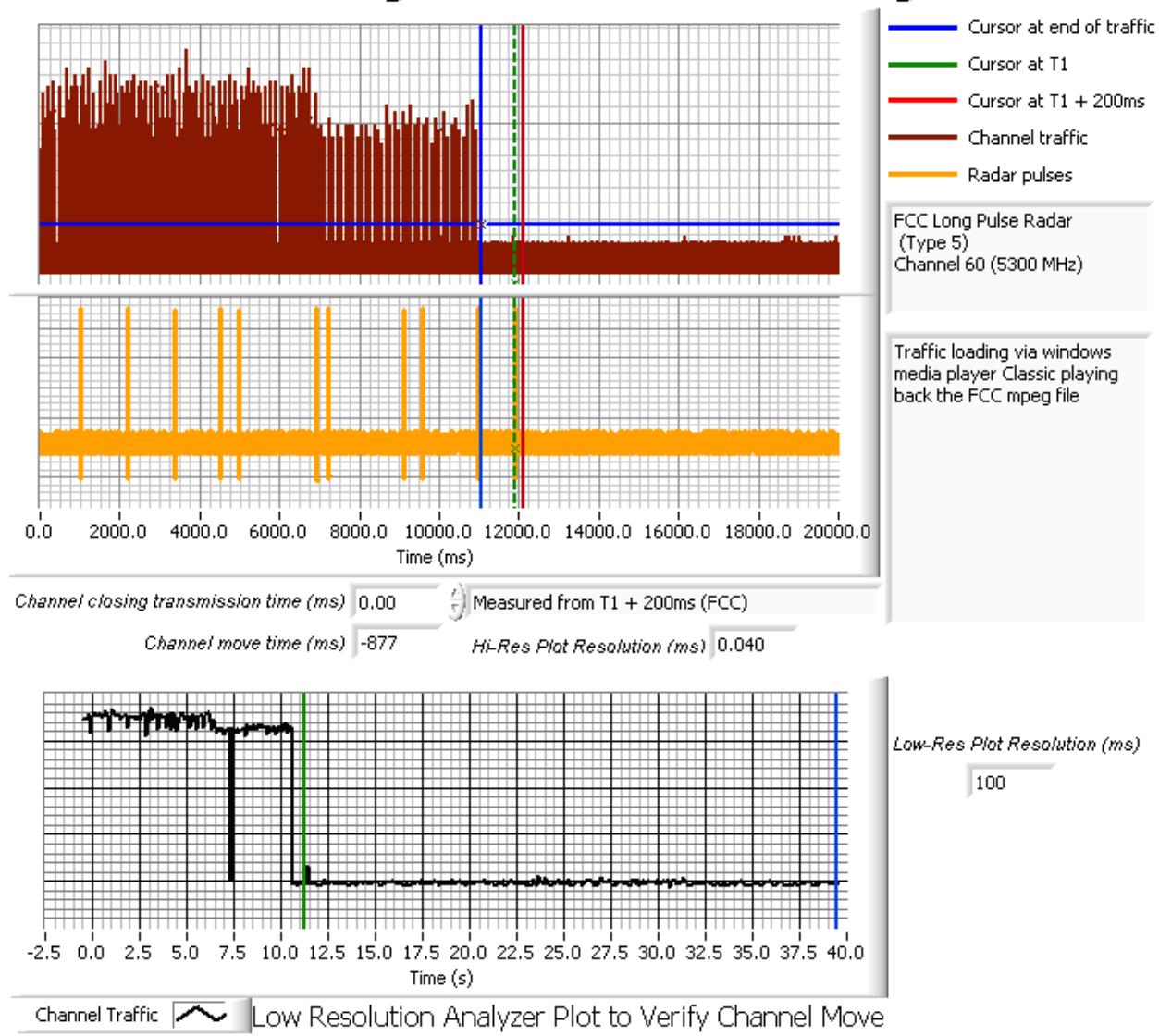


Figure 5 Closing Time and Channel Move Time (n20) – 40 second plot

Elliott Timing Plots - Channel Closing

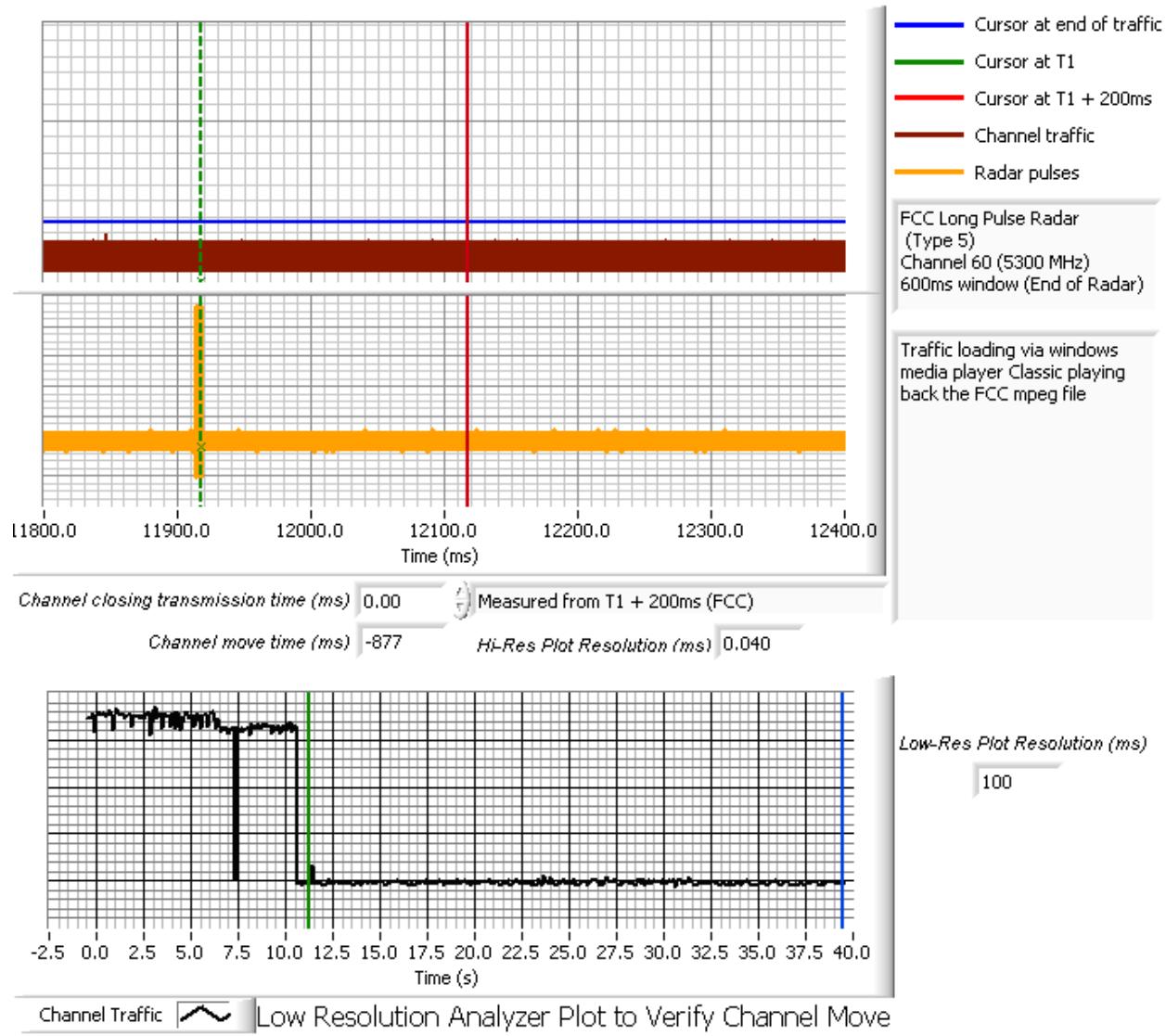


Figure 6 Closing Time and Channel Move Time (n20) – 600ms plot (End of Radar)

Elliott Timing Plots - Channel Closing

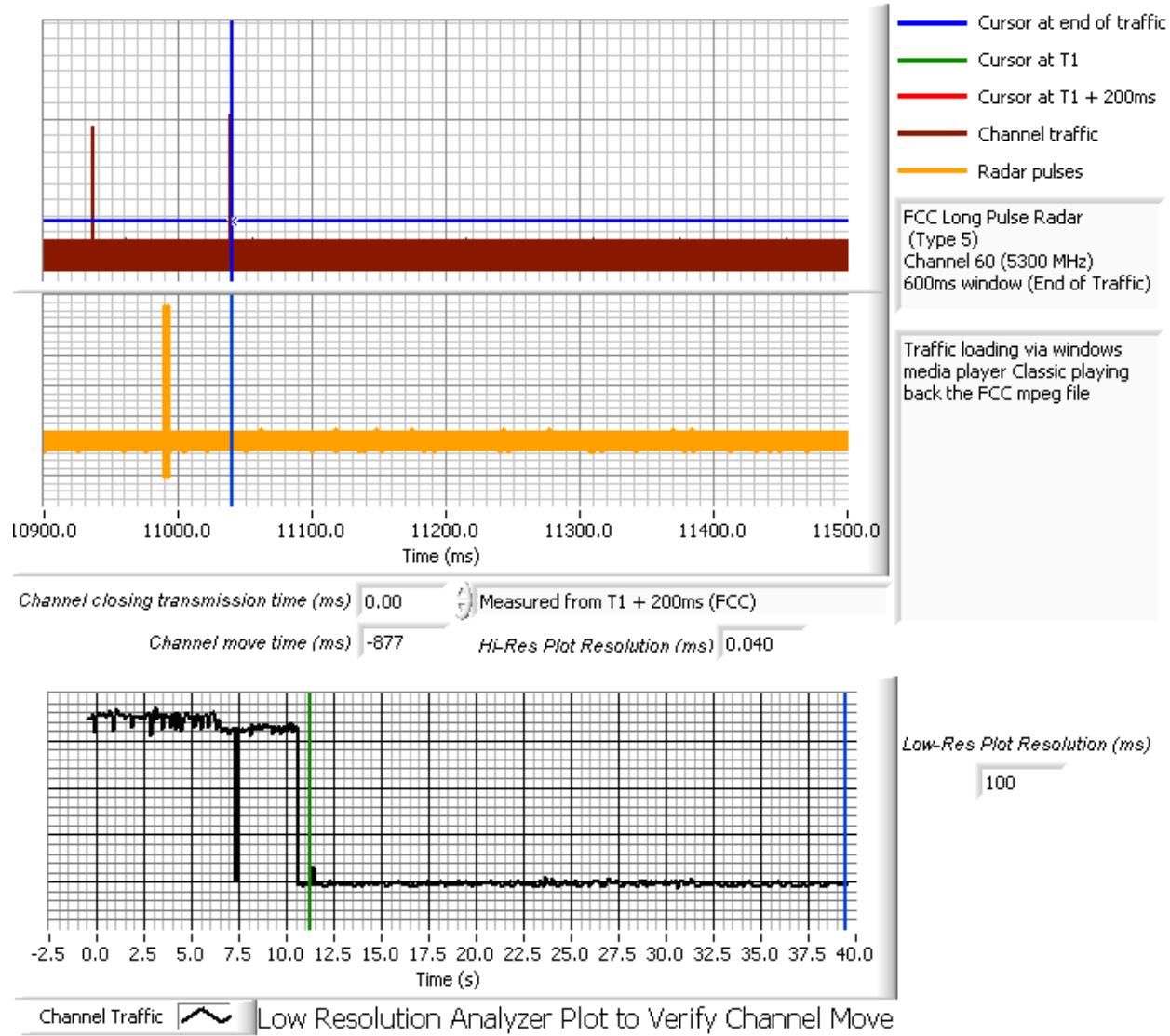


Figure 7 Closing Time and Channel Move Time (n20) – 600ms plot (End of Traffic)

Elliott Timing Plots - Channel Closing

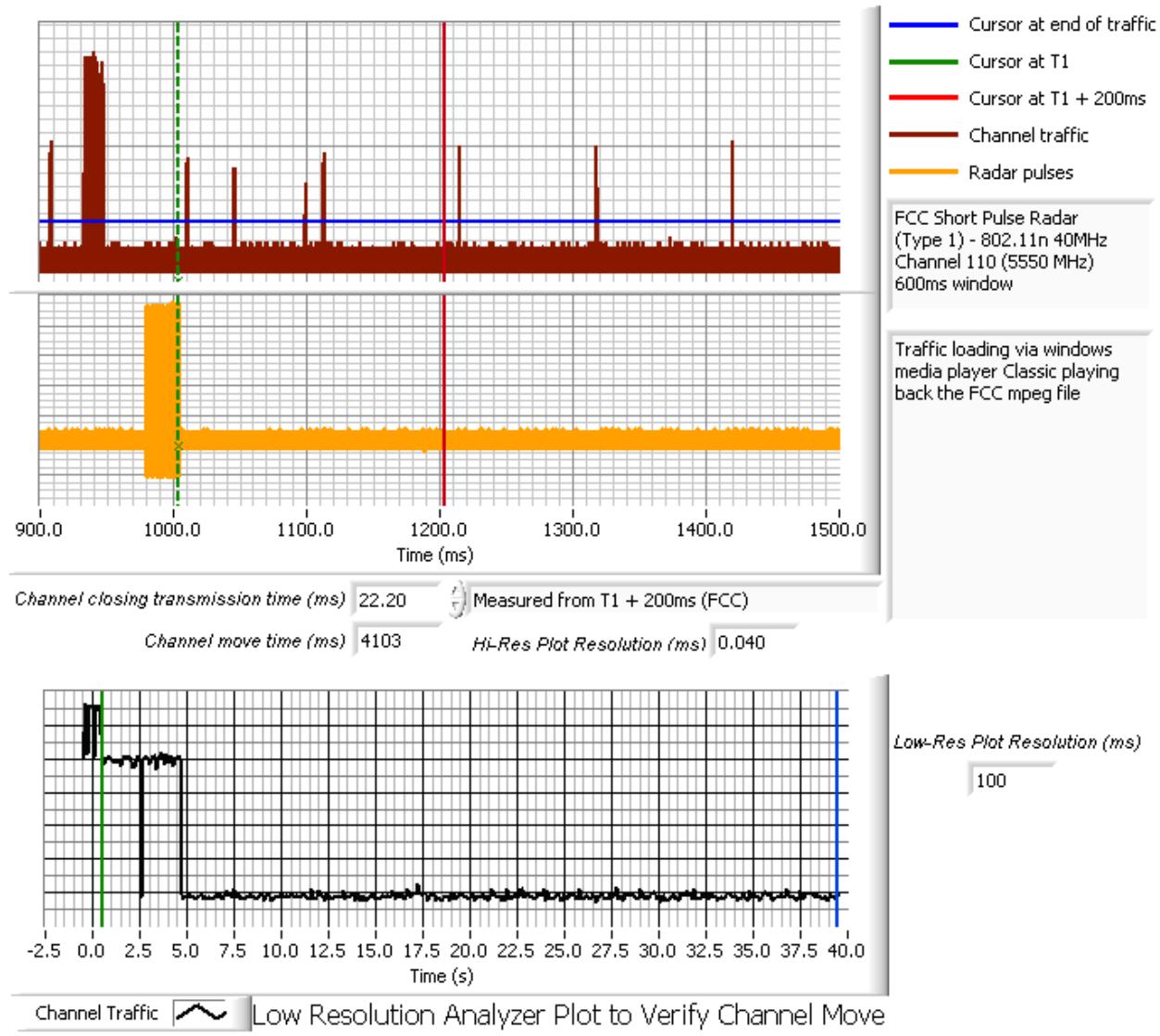


Figure 8 Closing Time and Channel Move Time (n40) – 40 seconds plot

Elliott Timing Plots - Channel Closing

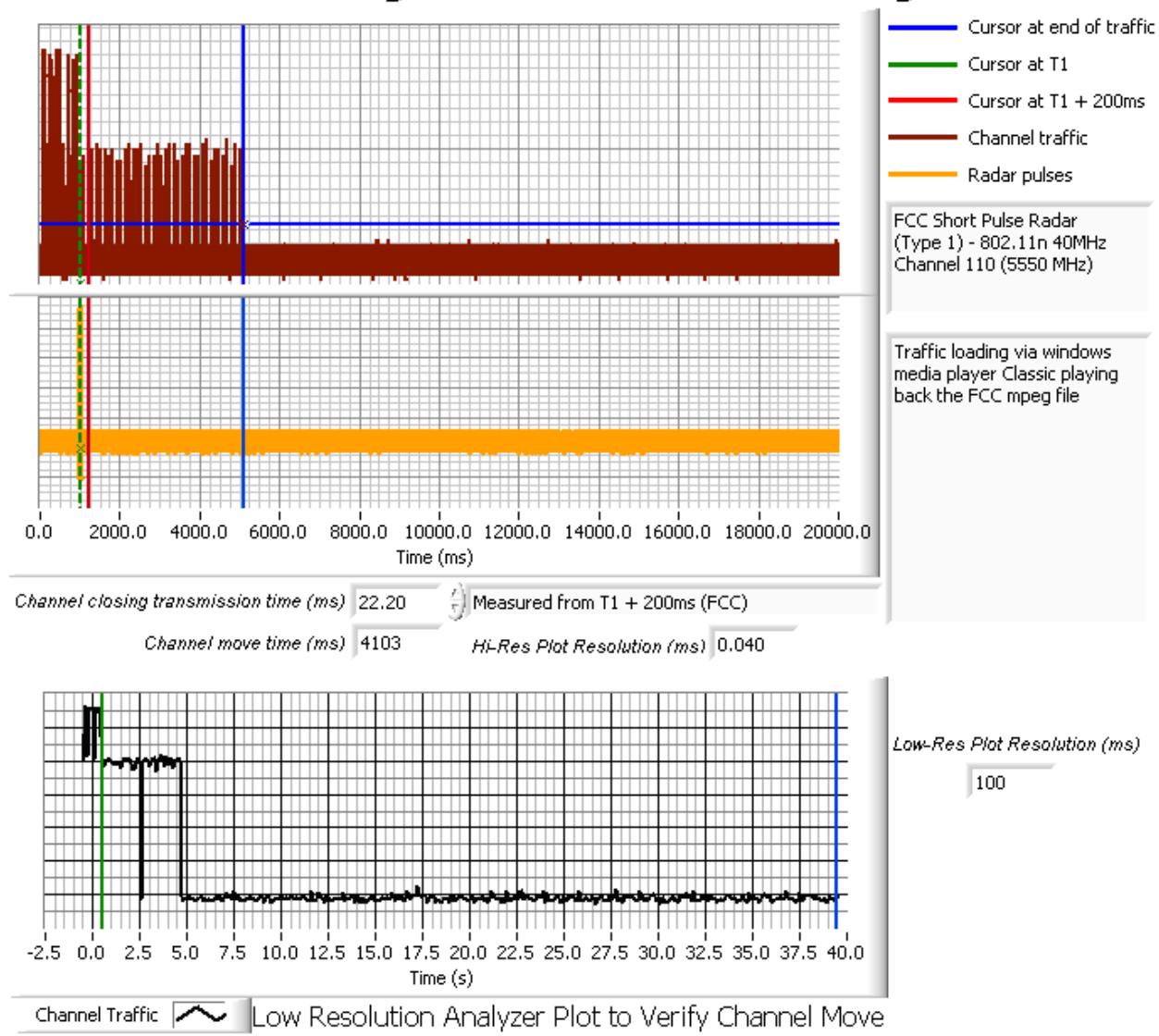


Figure 9 Closing Time and Channel Move Time (n40) – 600ms plot

Elliott Timing Plots - Channel Closing

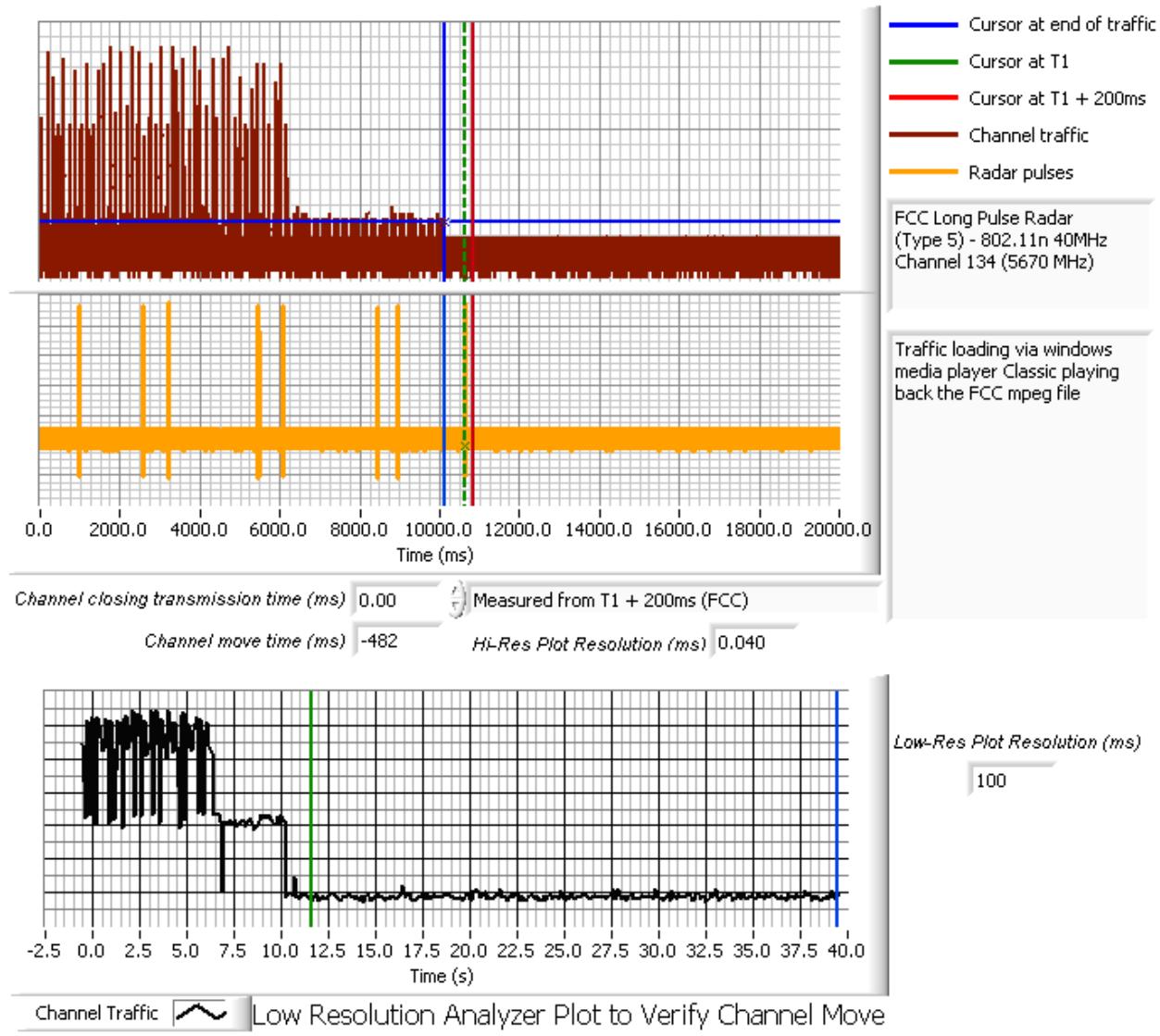


Figure 10 Closing Time and Channel Move Time (n40) – 40 seconds plot

Elliott Timing Plots - Channel Closing

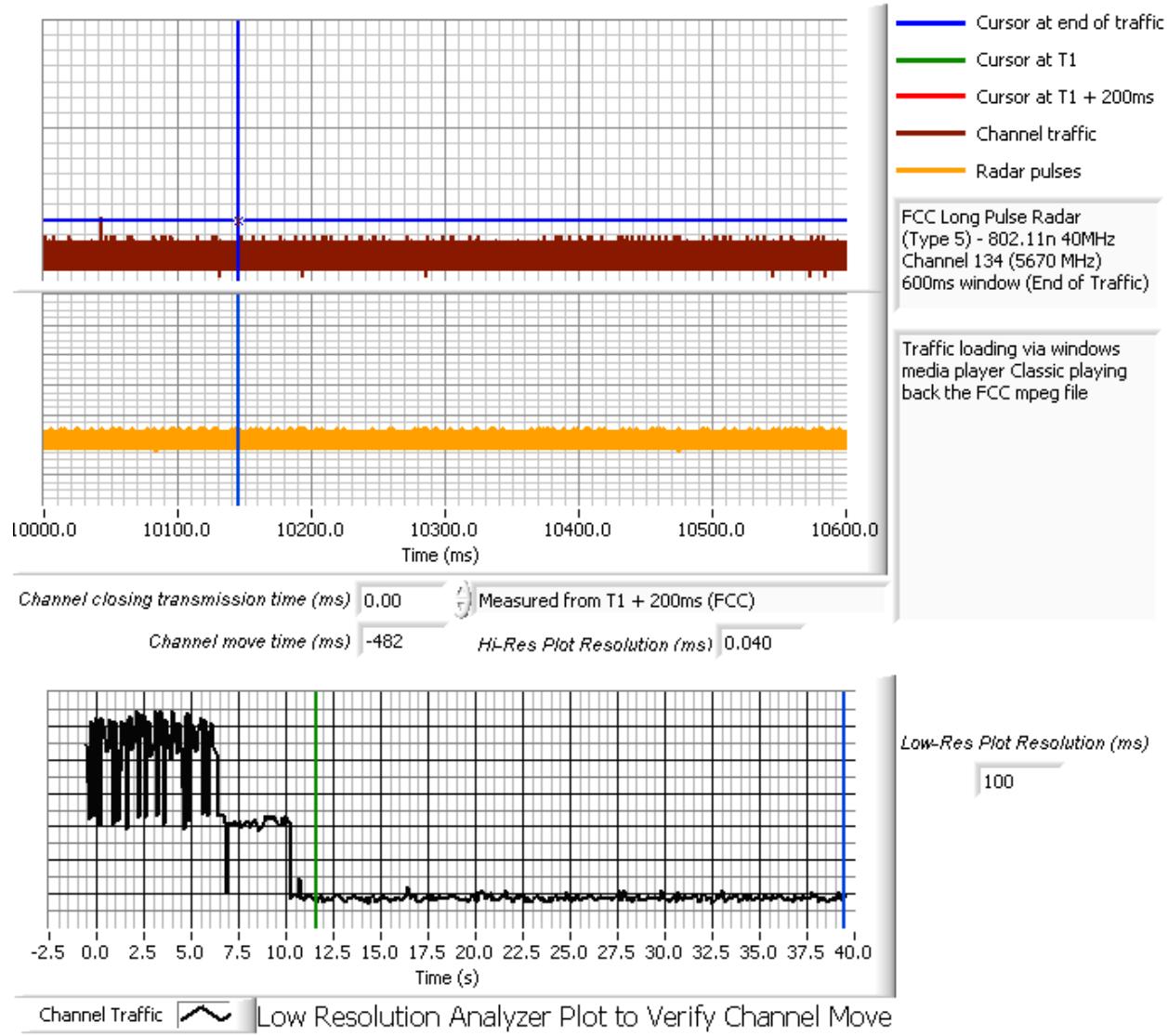


Figure 11 Closing Time and Channel Move Time (n20) – 600ms plot (End of Traffic)

Elliott Timing Plots - Channel Closing

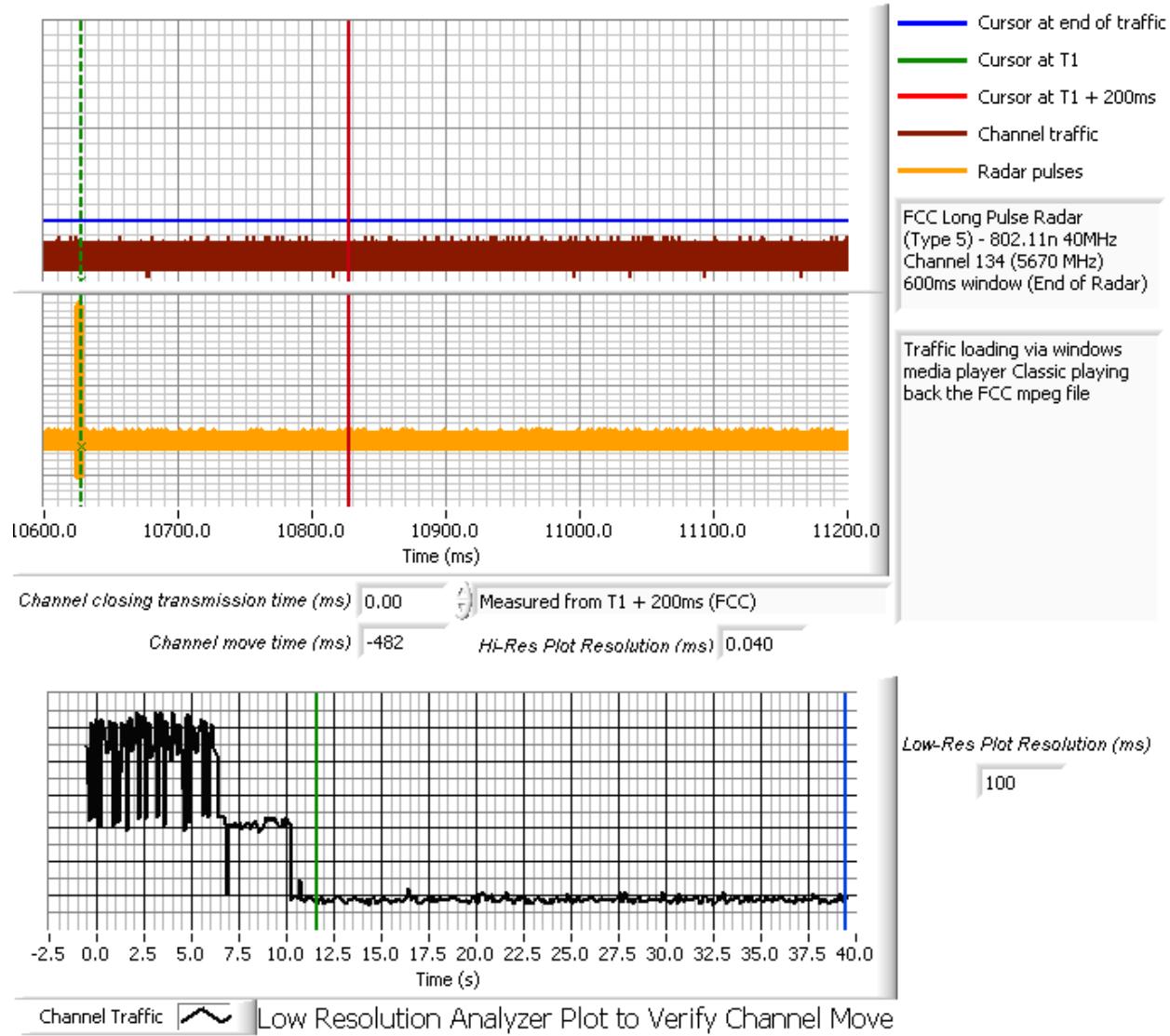
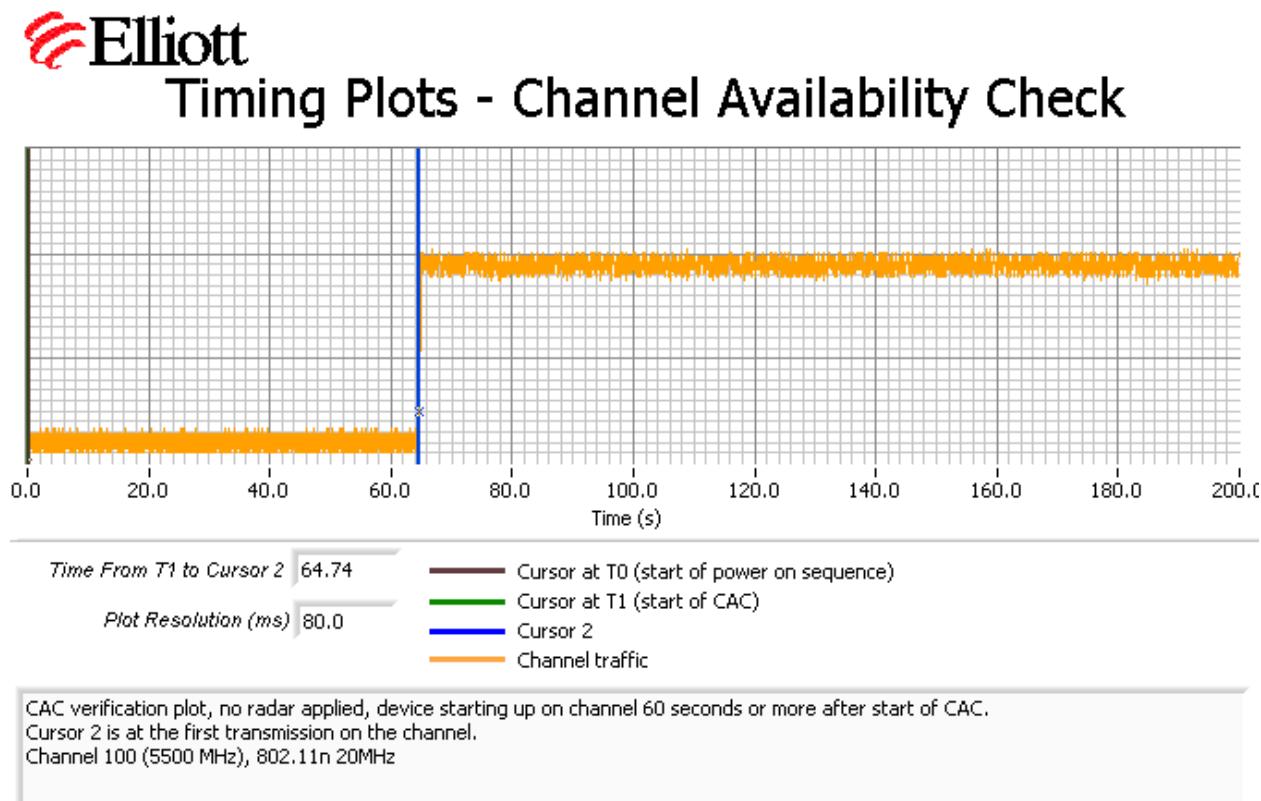


Figure 12 Closing Time and Channel Move Time (n40) – 600ms plot (End of Radar)

The non-occupancy plot was made over a 30-minute time period following the channel move time with the analyzer IF output connected to the scope and tuned to the vacated channel. No transmissions were observed after the channel move had been completed.

Appendix D Test Data – Channel Availability Check**5250- 5350 MHz, 5470 – 5725 MHz**

The first plot shows the first transmissions on a channel after restarting/power cycling the master device, with no radar applied during the CAC. The start of CAC is assumed to be 60 seconds before the first transmission as indicated by the green cursor line.

**Figure 13 Plot of EUT Start-Up After CAC - Channel 54**



Timing Plots - Channel Availability Check

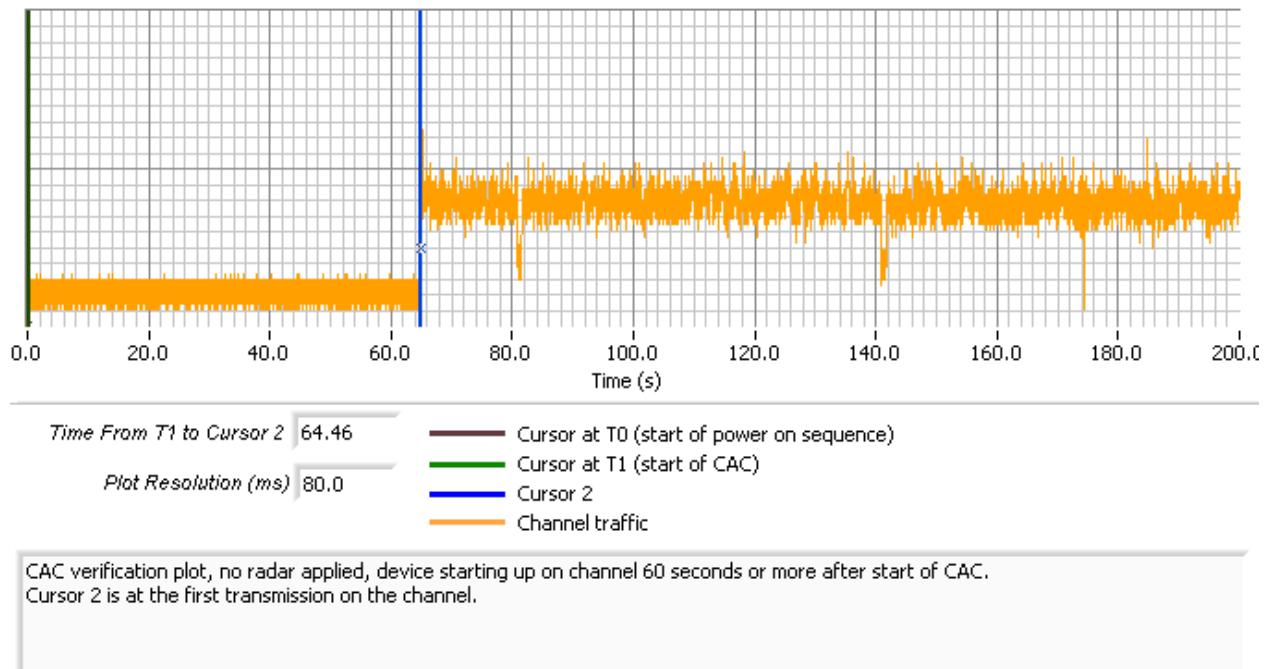


Figure 14 Plot of EUT Start-Up After CAC - Channel 100

The channel availability check (CAC) was made by applying type 1 radar during either the first 6 seconds or last 6 seconds of the CAC period.

The level of the radar signal applied was -63dBm. Measurements were made on channel 54 (5270 MHz) and also on channel 100 (5500 MHz).

The start time is the same for each of the plots and the green cursor is positioned to coincide with the start of the Channel Availability Check period based on the plot taken with no radar applied during the CAC.

The plots show that there were no transmissions on the channel after the radar burst was applied during the CAC, and confirm that the CAC is at least 60 seconds. The description of "Channel Traffic" in the plot legend indicates the transmissions from both the radar system and the EUT on the start-up channel. In all cases only the radar burst is observed. The resolution of the plot is not fine enough to resolve the individual pulses within the burst.



Timing Plots - Channel Availability Check

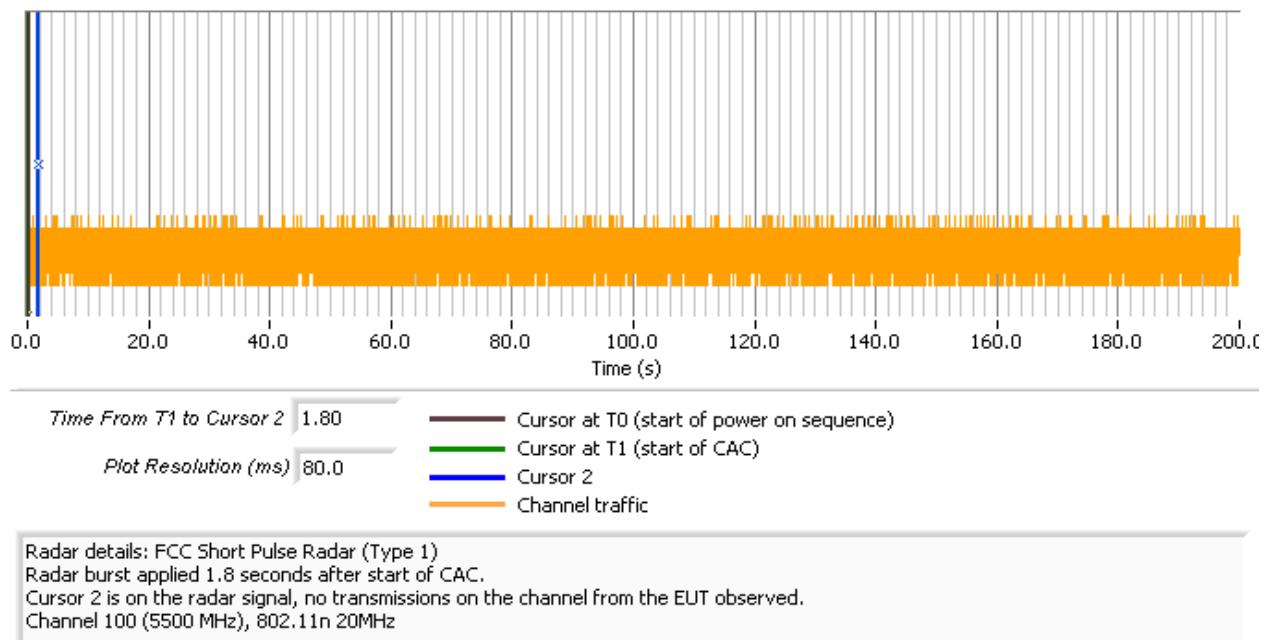


Figure 15 Radar Applied At Start of CAC (n20)



Timing Plots - Channel Availability Check

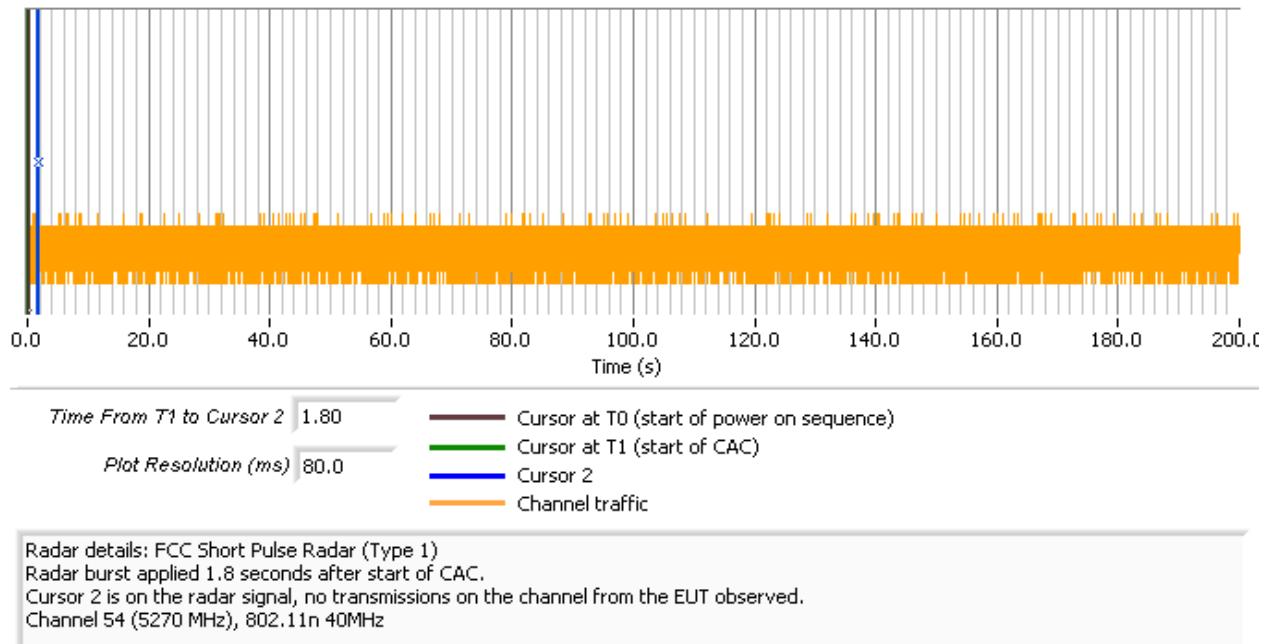


Figure 16 Radar Applied At Start of CAC (n40)



Timing Plots - Channel Availability Check

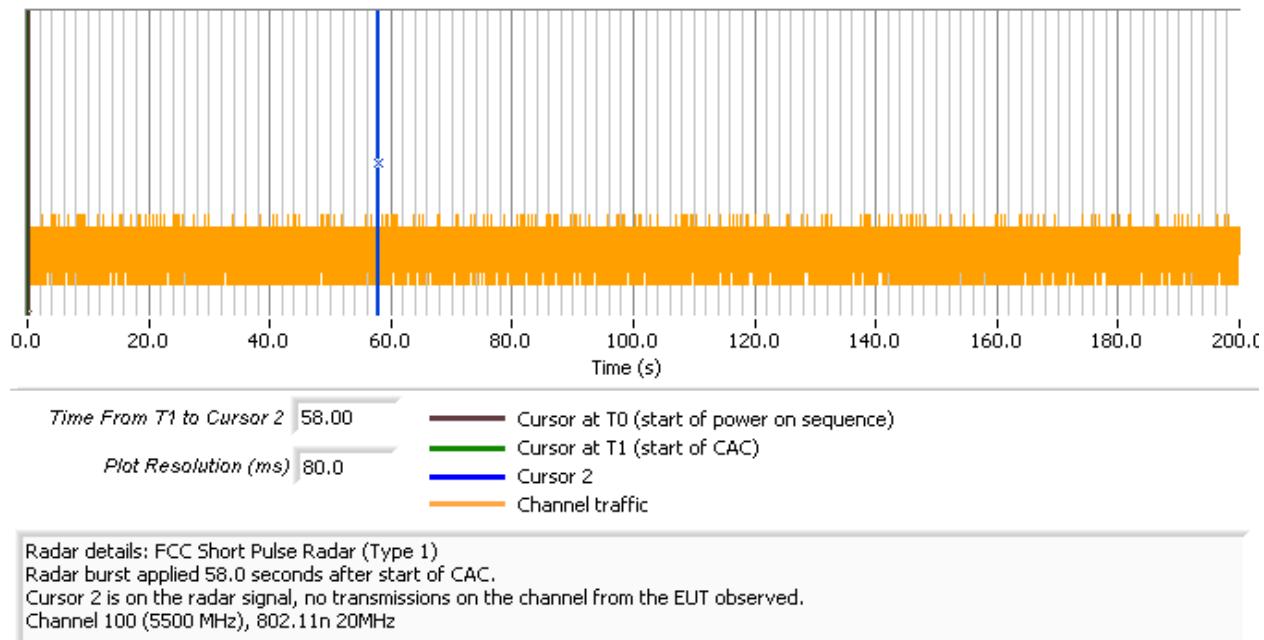


Figure 17 Radar Applied At End of CAC (n20)



Timing Plots - Channel Availability Check

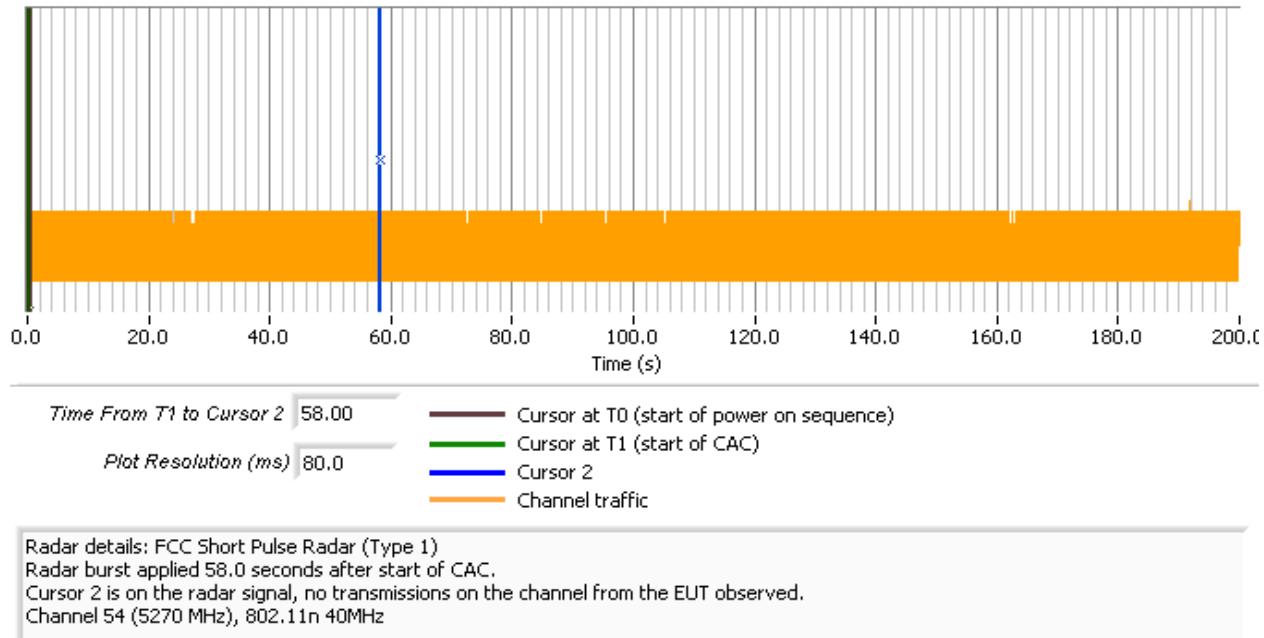


Figure 18 Radar Applied At End of CAC (n40)

Appendix E Antenna Specification Sheet

52 pages



TE P/N 1513461-1 6 Element MIMO Antenna Assembly

June 17, 2009

October 14, 2009

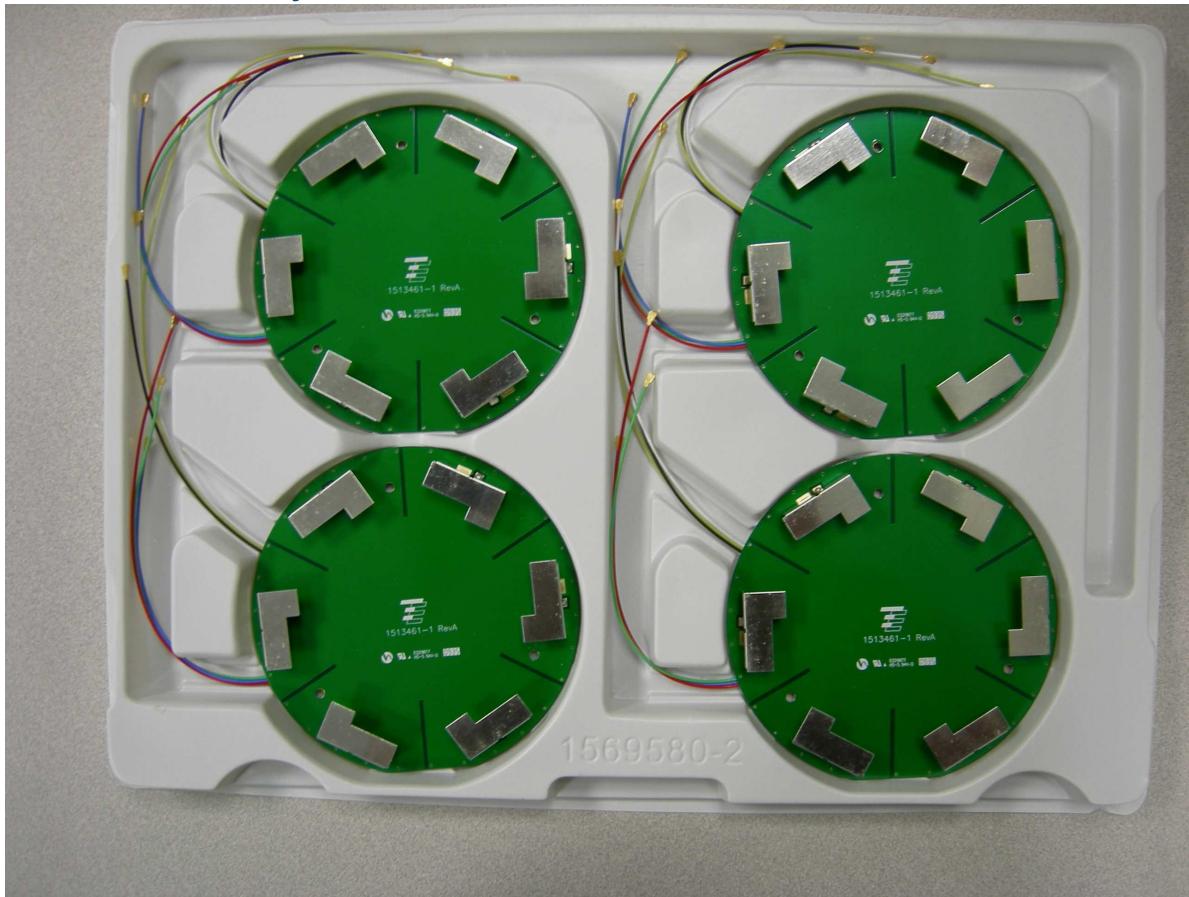


Specifications

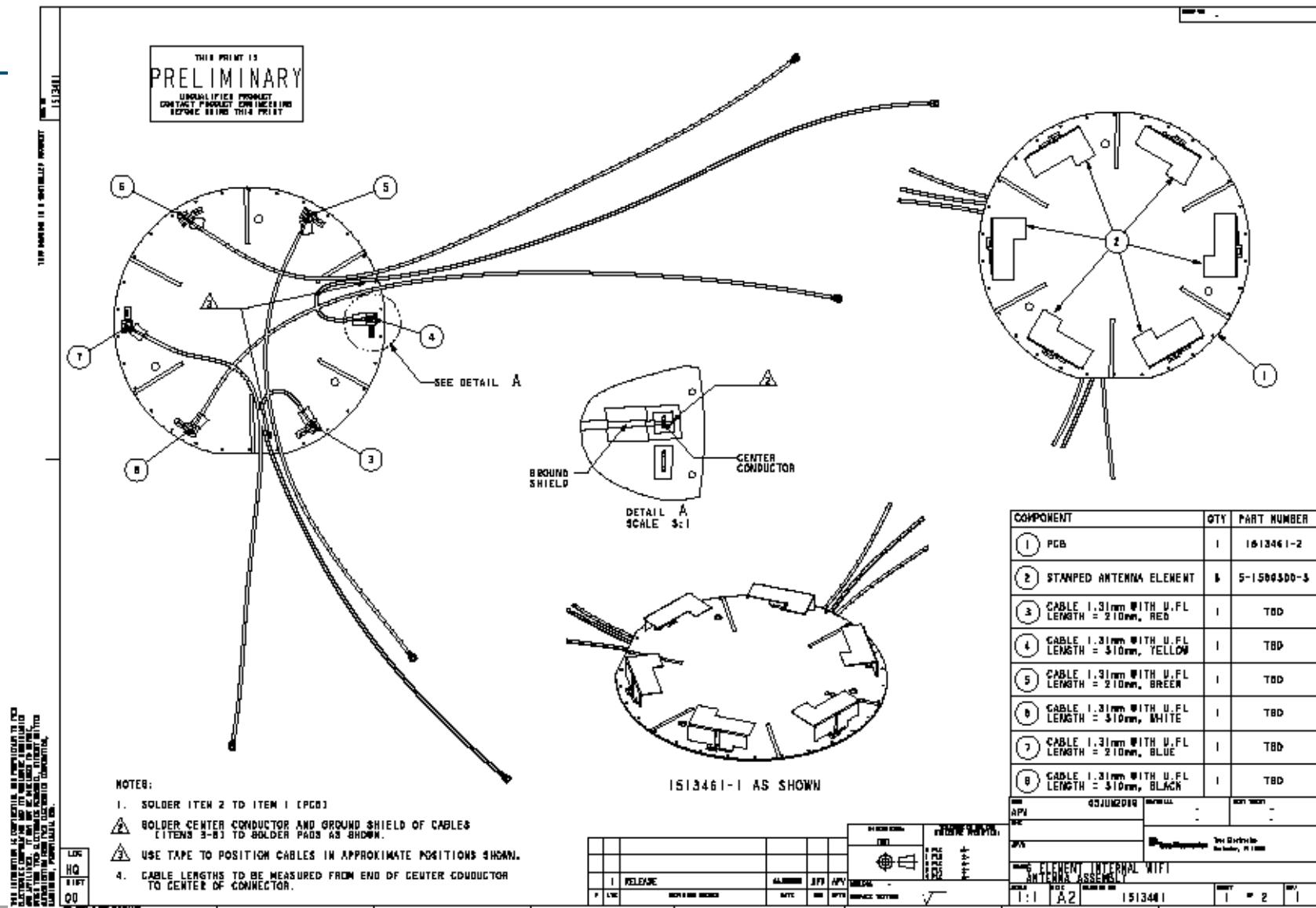
- Frequency: 2.4 – 2.485 and 4.9 – 5.9 GHz.
- Gain: <6 dBi Max
- VSWR: <2.5:1
- Polarization: Linear
- Power: 2 watts Max
- Impedance: 50 ohms (typical)
- Cables: 6X 1.13 diam.
- Connectors: 6X u.fl or equivalent
- Weight: 45 grams
- Temperature: +65°C operating and storage

Packaging

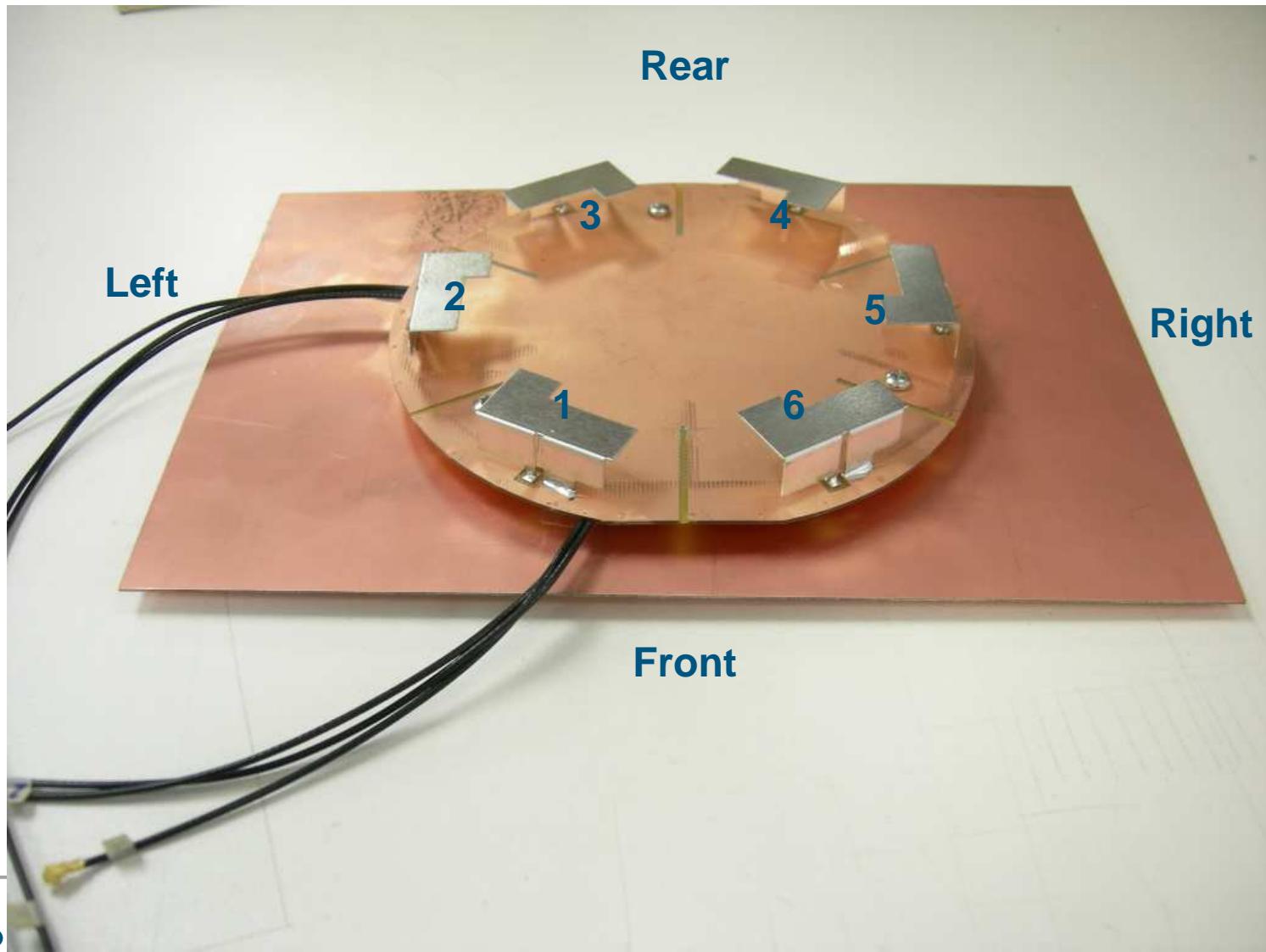
- 290 mm x 390 mm tray



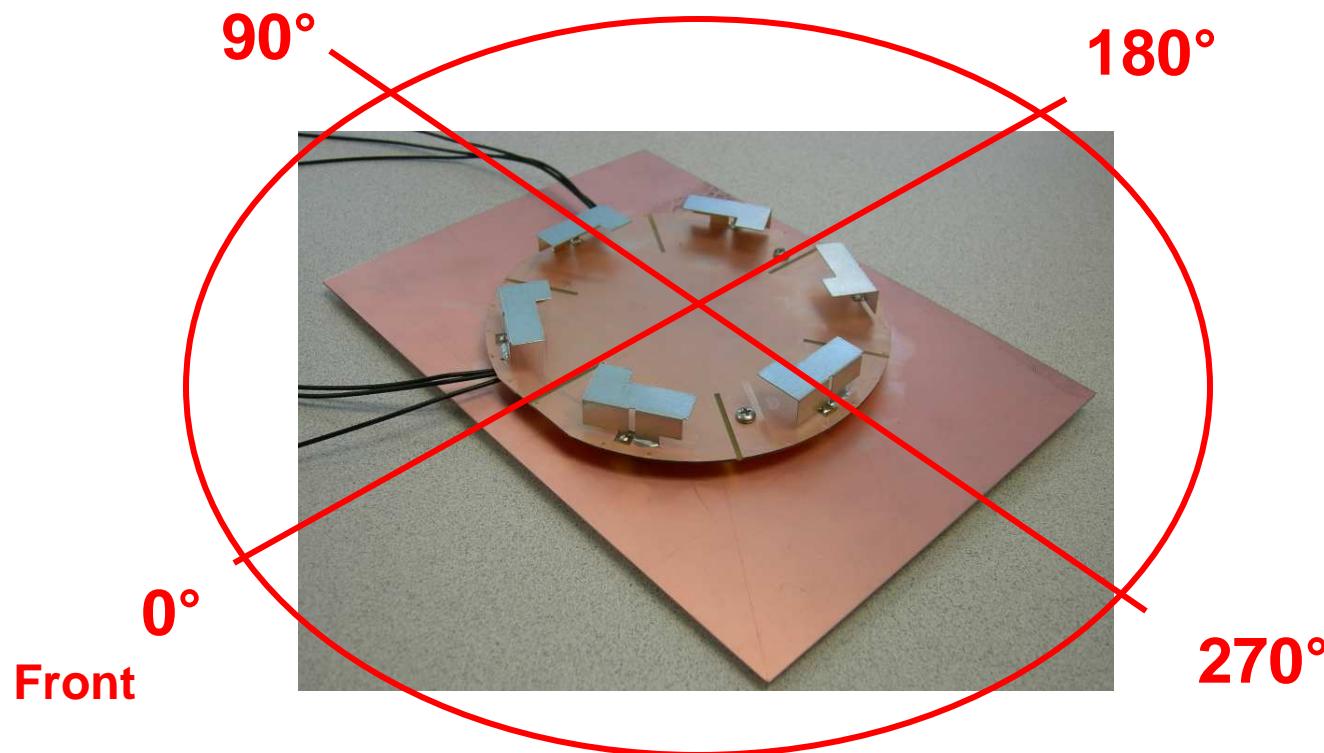
Drawing



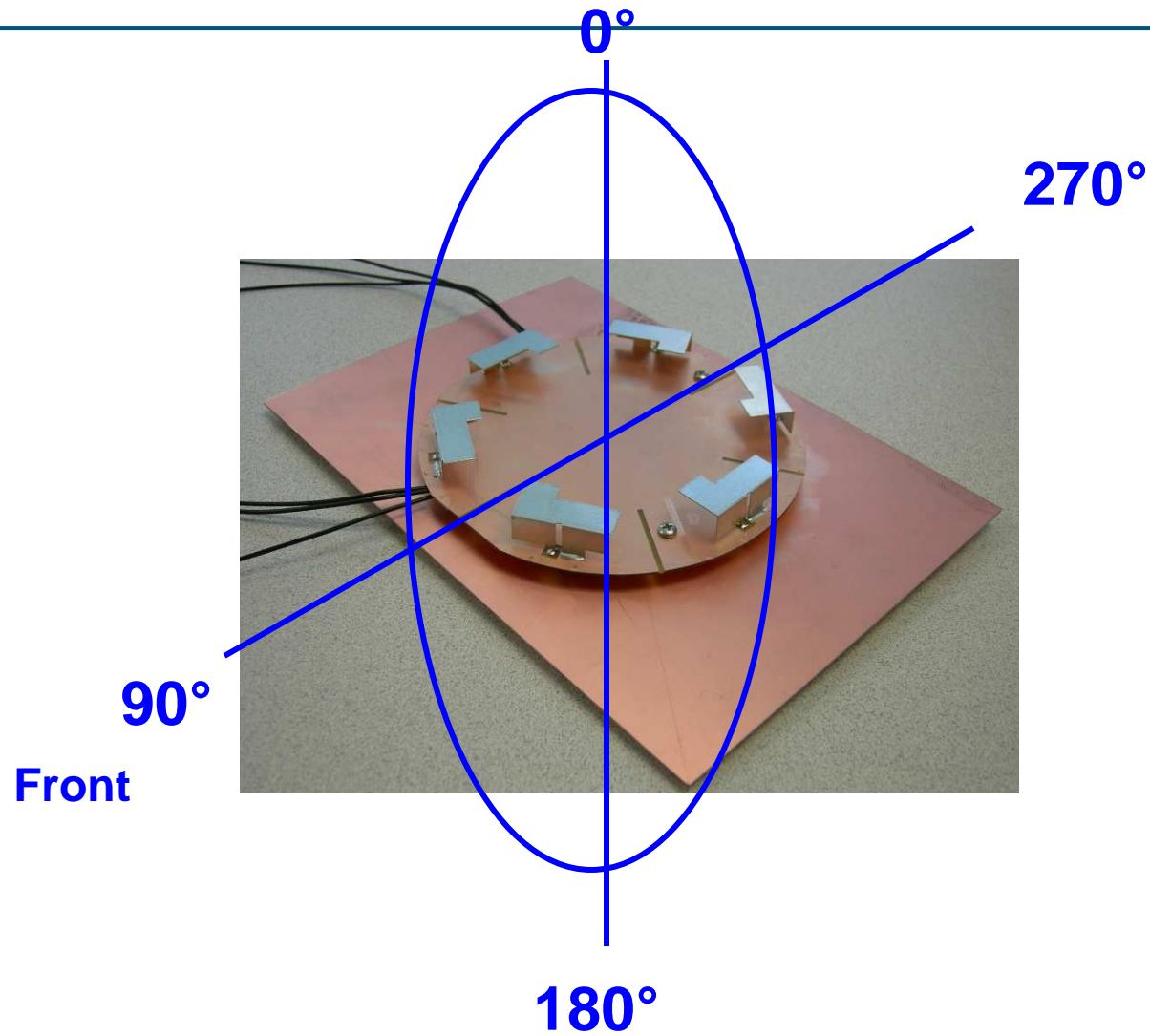
Test Orientation



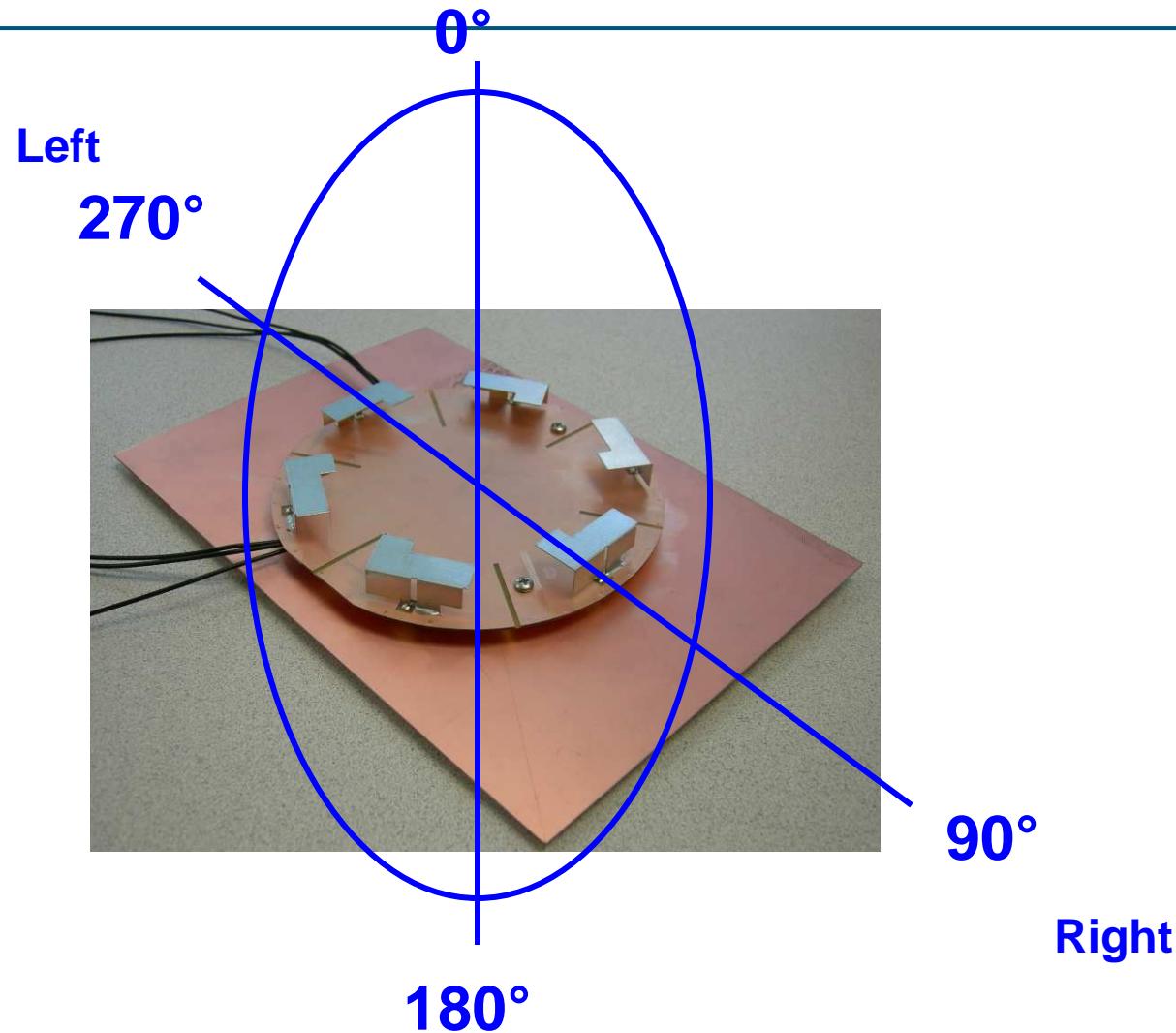
Azimuth Plane



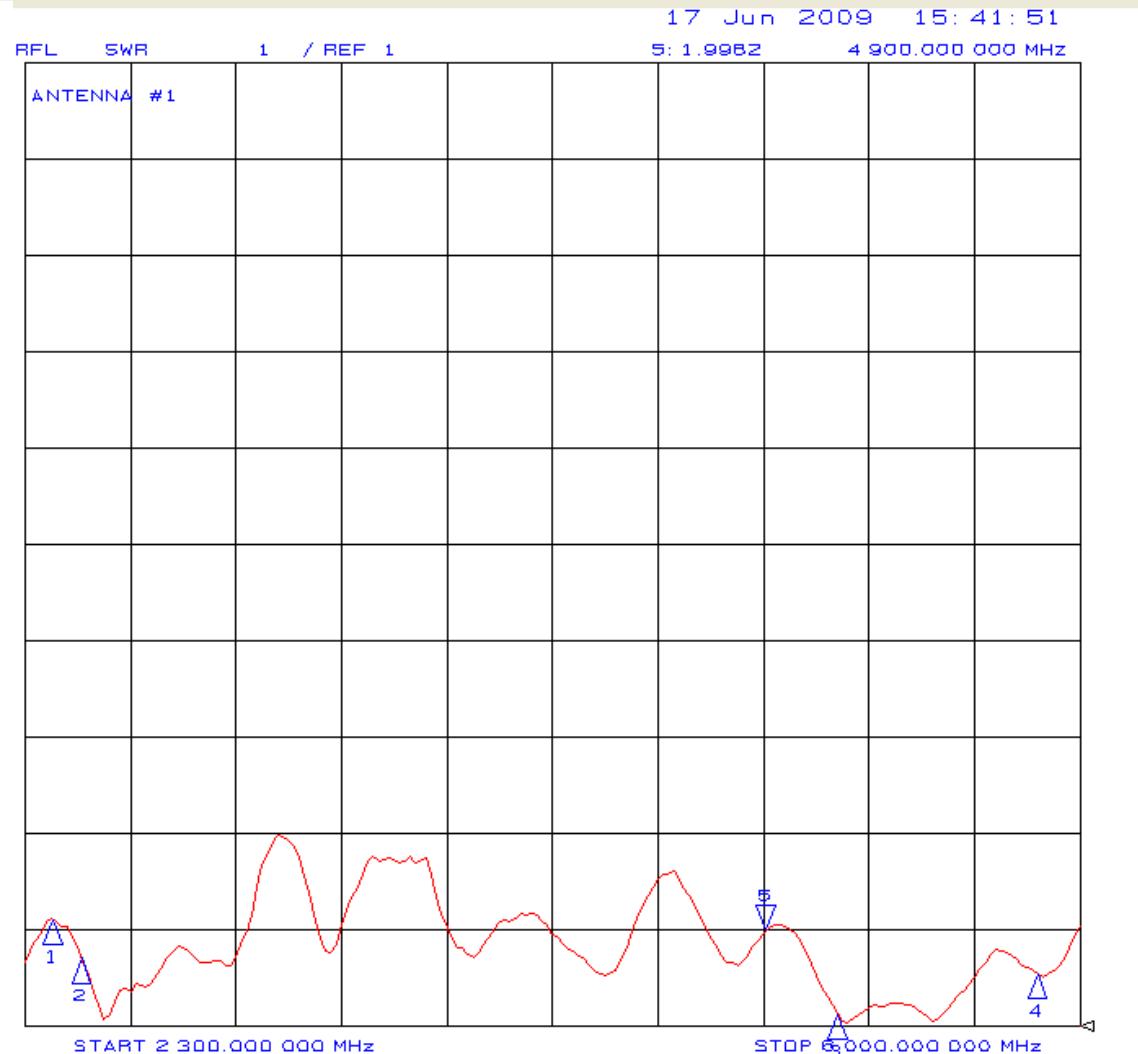
Elevation 1 Plane



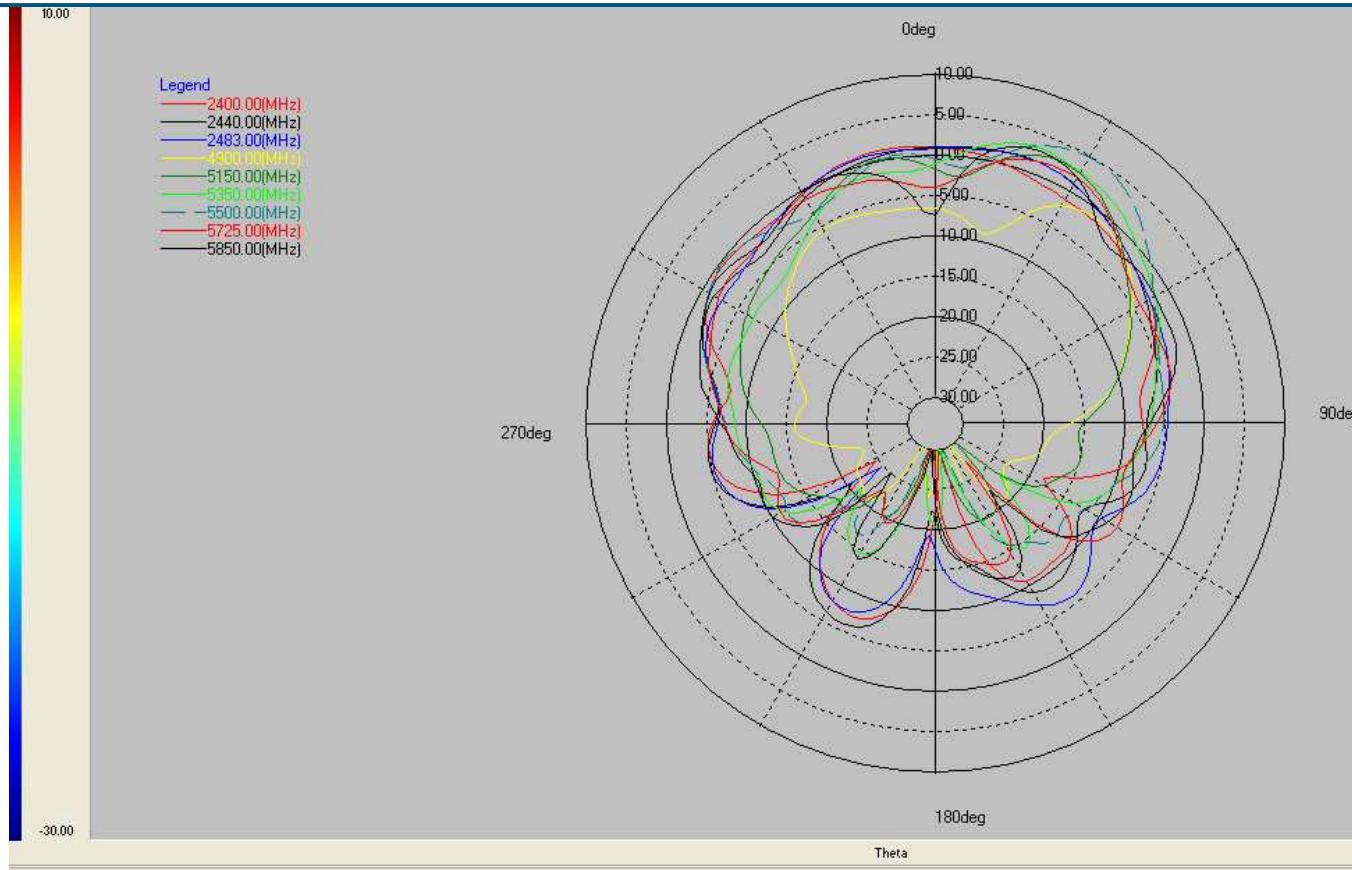
Elevation 2 Plane



Antenna 1 VSWR

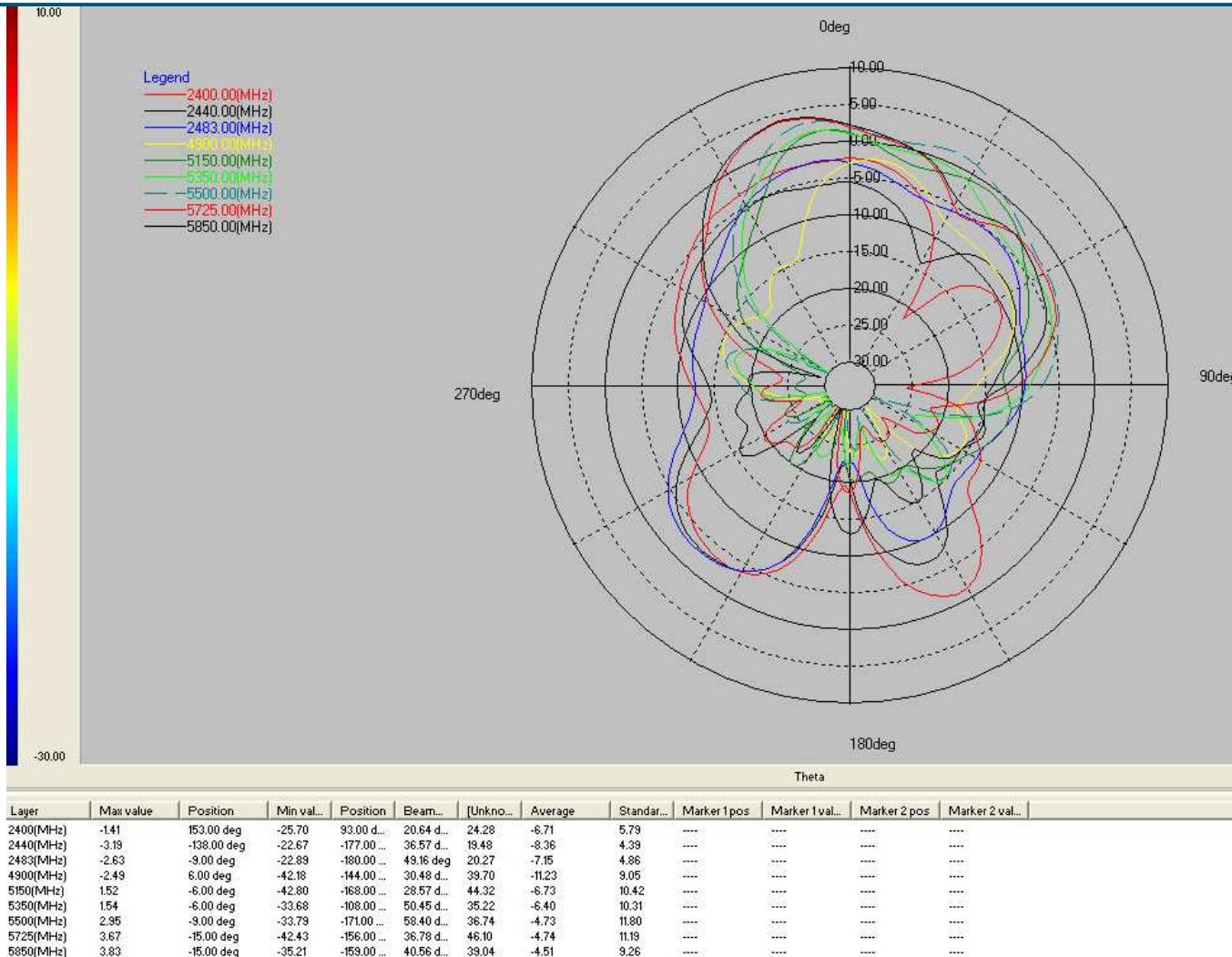


Antenna 1 Elevation 1 Vertical Polarization

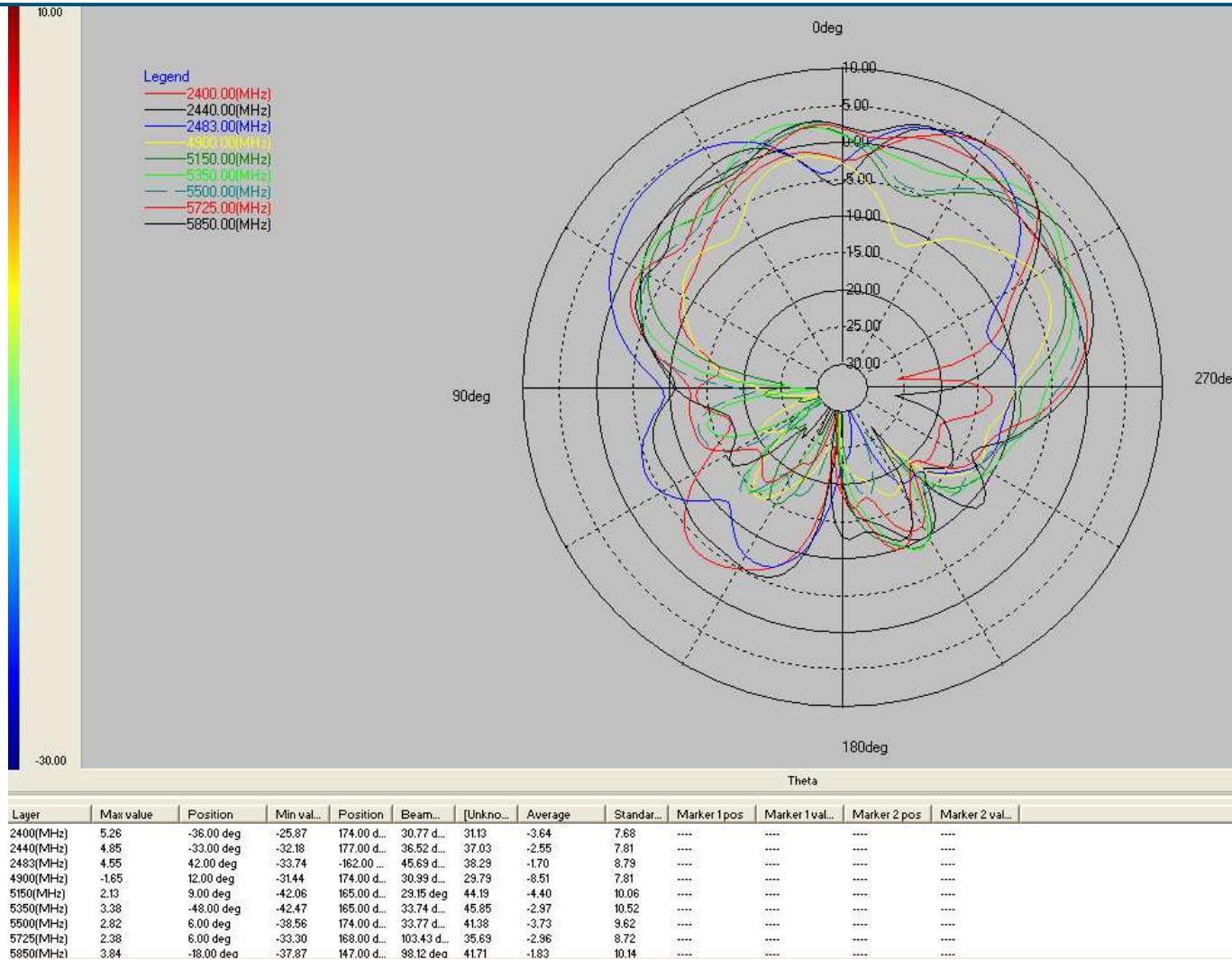


Layer	Max value	Position	Min val...	Position	Beam...	[Unkno...	Average	Standar...	Marker 1pos	Marker 1val...	Marker 2 pos	Marker 2 val...
2400(MHz)	1.11	-12.00 deg	-33.29	171.00 d...	111.24 deg	34.40	-3.98	7.55	---	---	---	---
2440(MHz)	1.49	18.00 deg	-22.38	-177.00 ...	80.68 d...	23.87	-3.62	5.80	---	---	---	---
2483(MHz)	1.41	21.00 deg	-24.76	-129.00 ...	87.84 d...	26.17	-3.35	5.52	---	---	---	---
4900(MHz)	-1.05	39.00 deg	-41.40	150.00 d...	30.84 d...	40.35	-9.23	9.34	---	---	---	---
5150(MHz)	2.65	27.00 deg	-36.55	177.00 d...	30.32 d...	39.20	-5.31	9.87	---	---	---	---
5350(MHz)	3.10	21.00 deg	-33.64	168.00 d...	43.29 d...	36.74	-4.28	8.63	---	---	---	---
5500(MHz)	4.73	30.00 deg	-36.45	177.00 d...	31.66 deg	41.18	-2.96	10.49	---	---	---	---
5725(MHz)	1.75	27.00 deg	-41.07	-174.00 ...	34.90 d...	42.82	-4.61	9.03	---	---	---	---
5850(MHz)	2.76	21.00 deg	-31.15	-174.00 ...	27.23 d...	33.91	-3.98	7.87	---	---	---	---

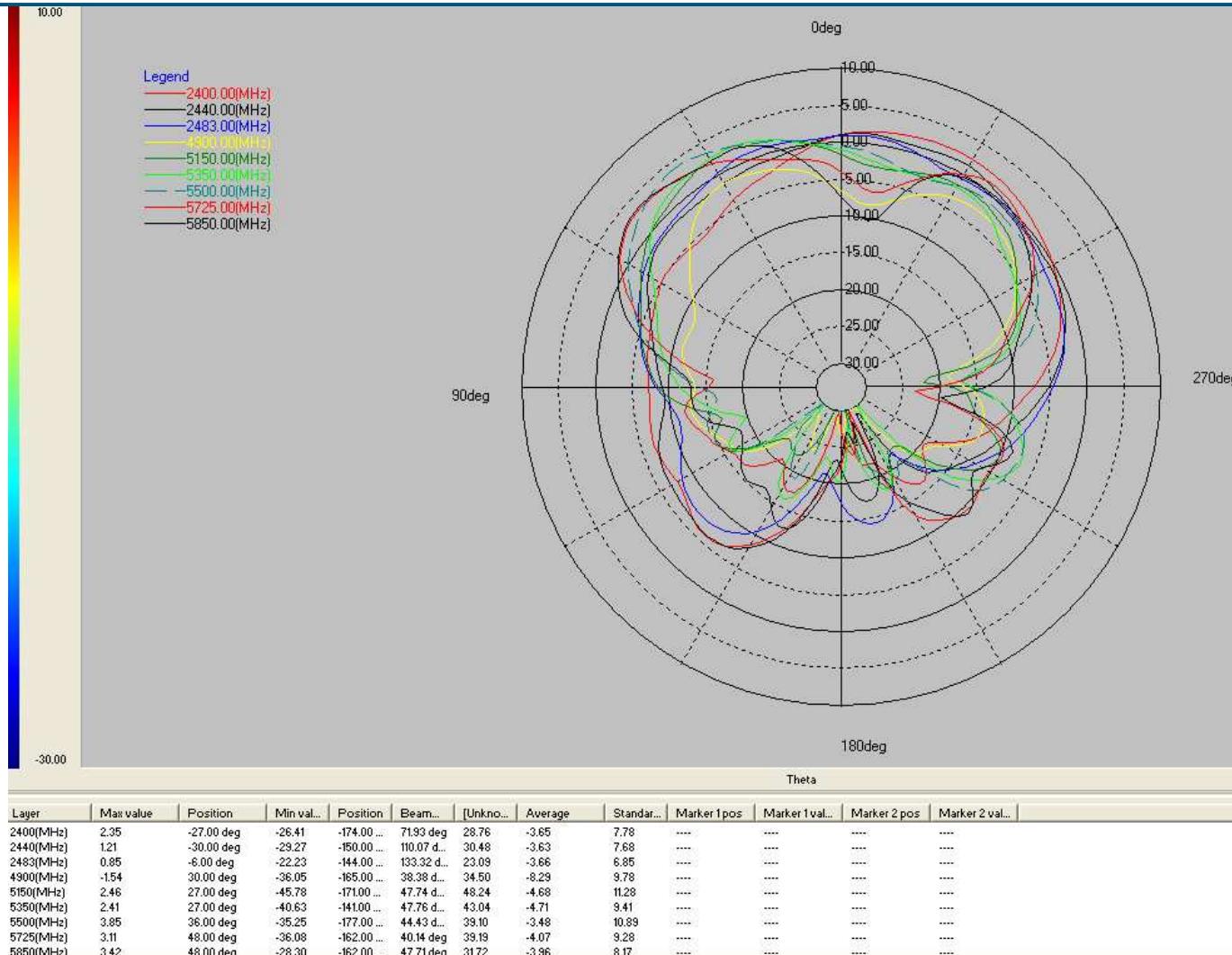
Antenna 1 Elevation 1 Horizontal Polarization



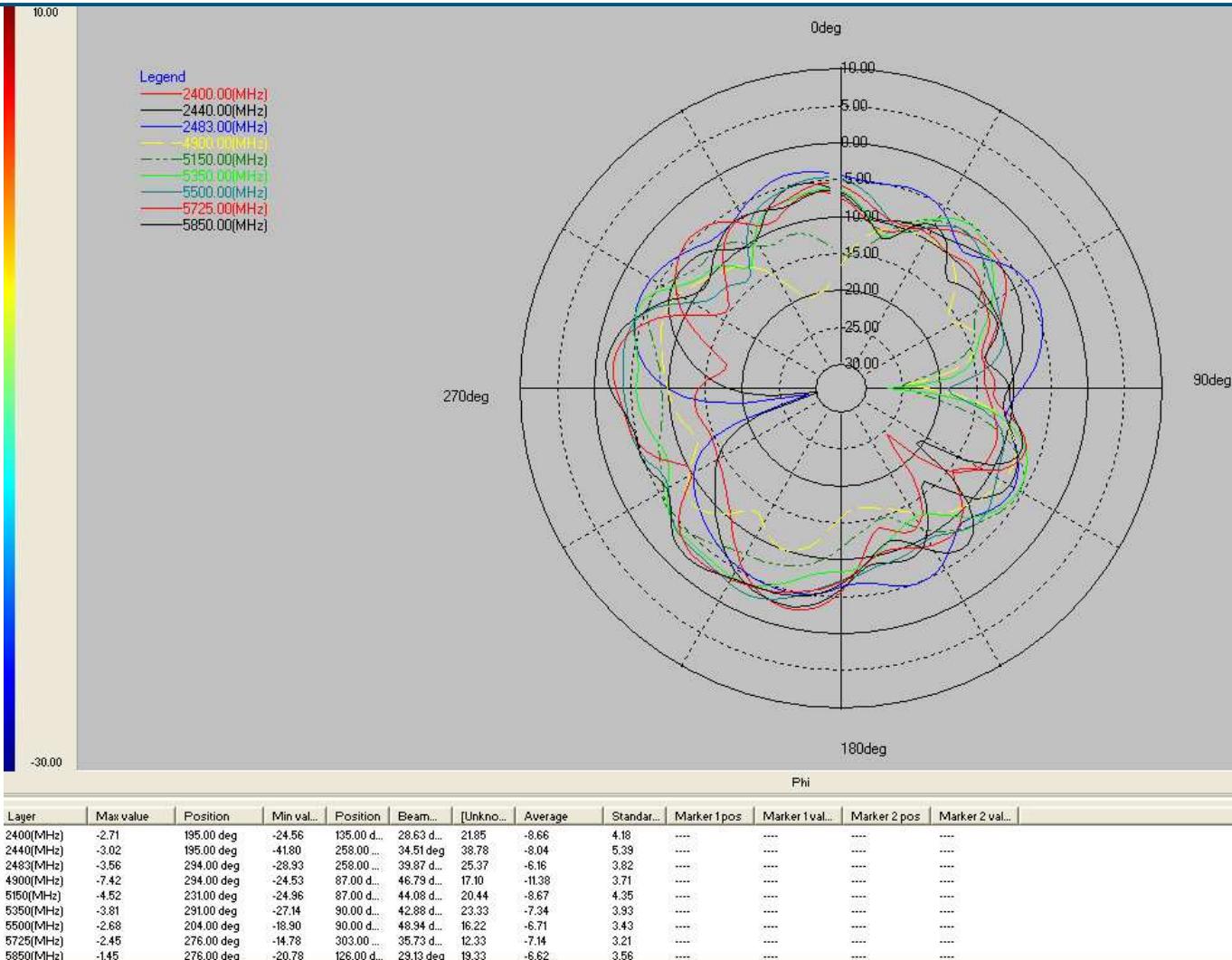
Antenna 1 Elevation 2 Vertical Polarization



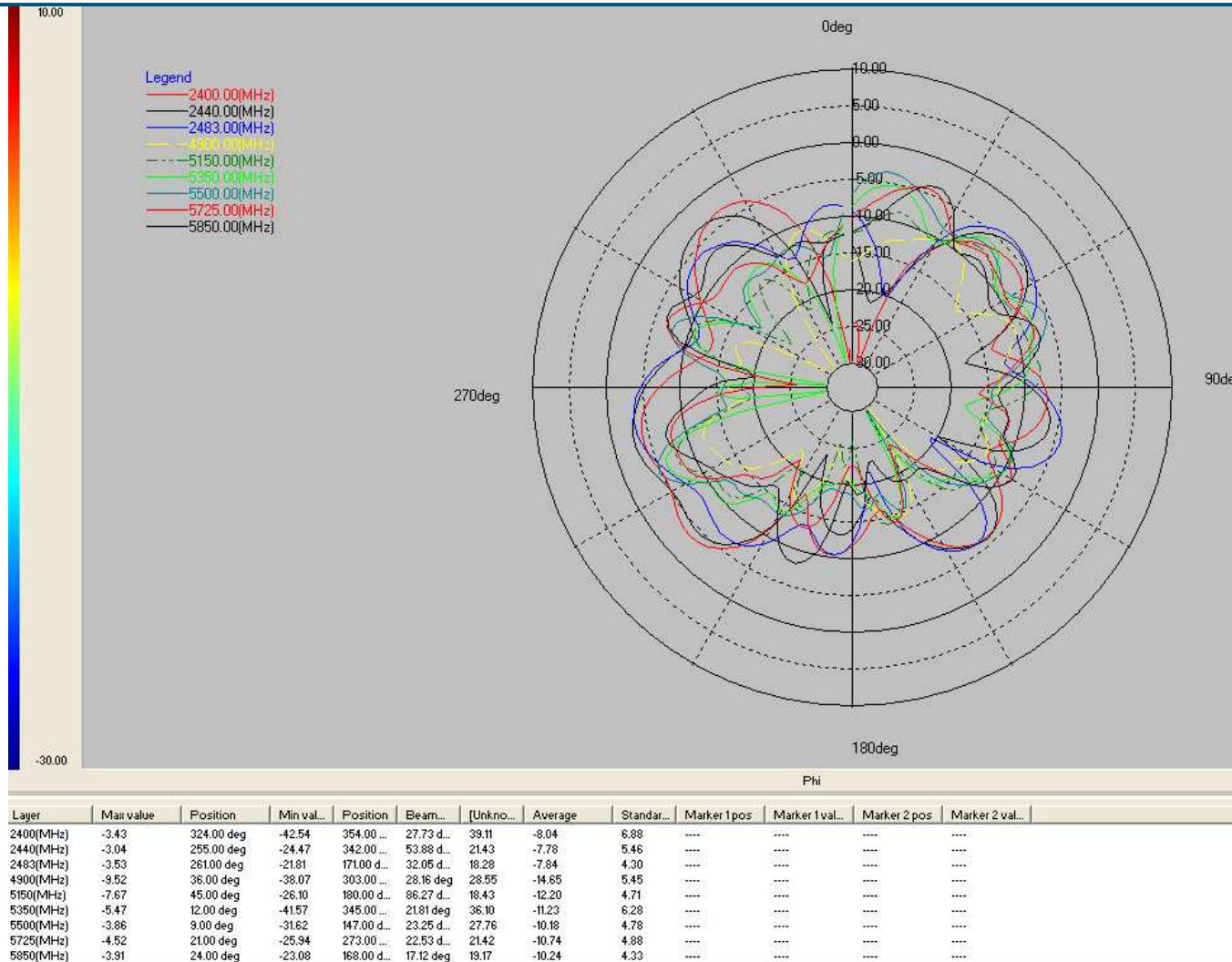
Antenna 1 Elevation 2 Horizontal Polarization



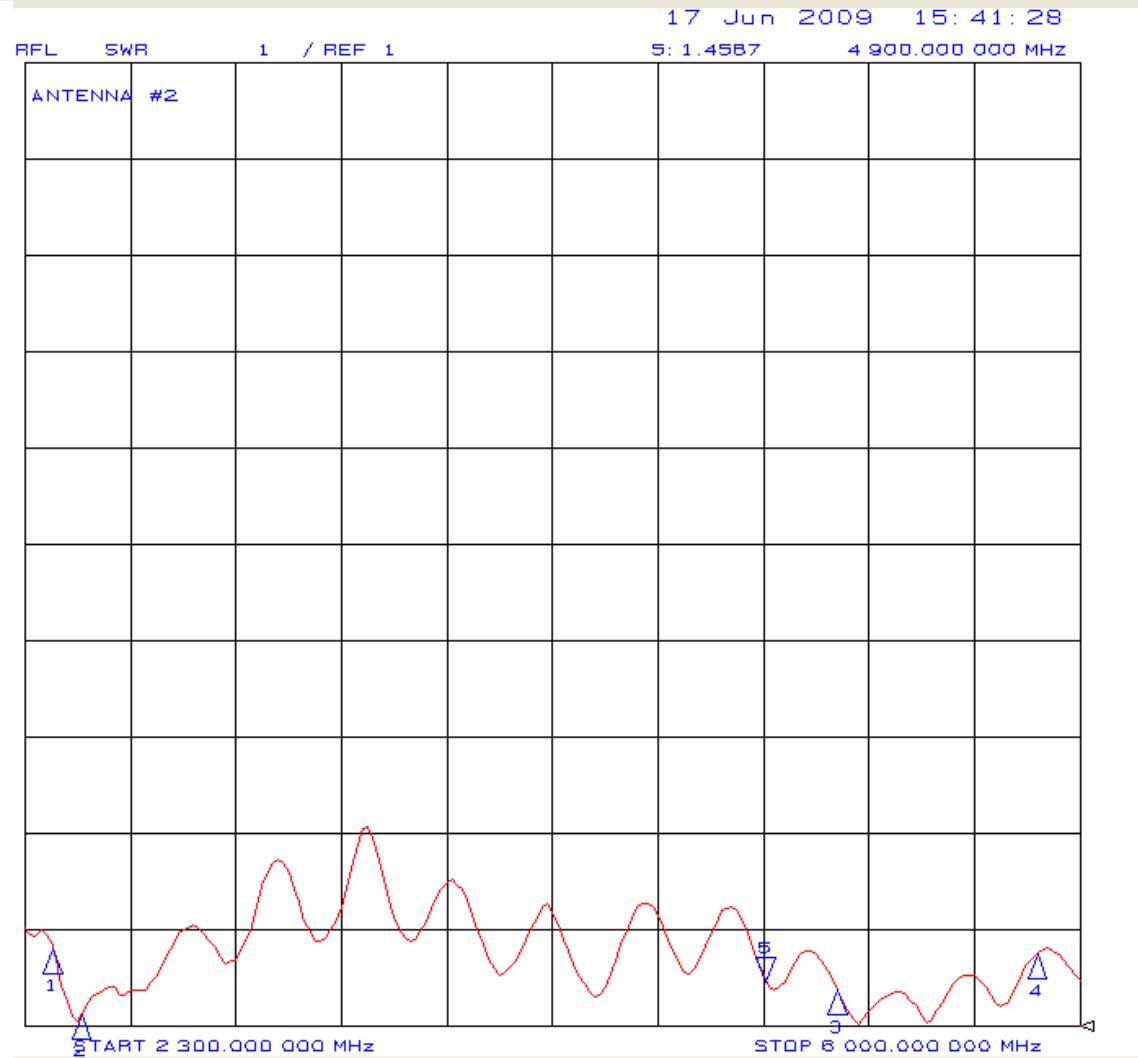
Antenna 1 Azimuth Vertical Polarization



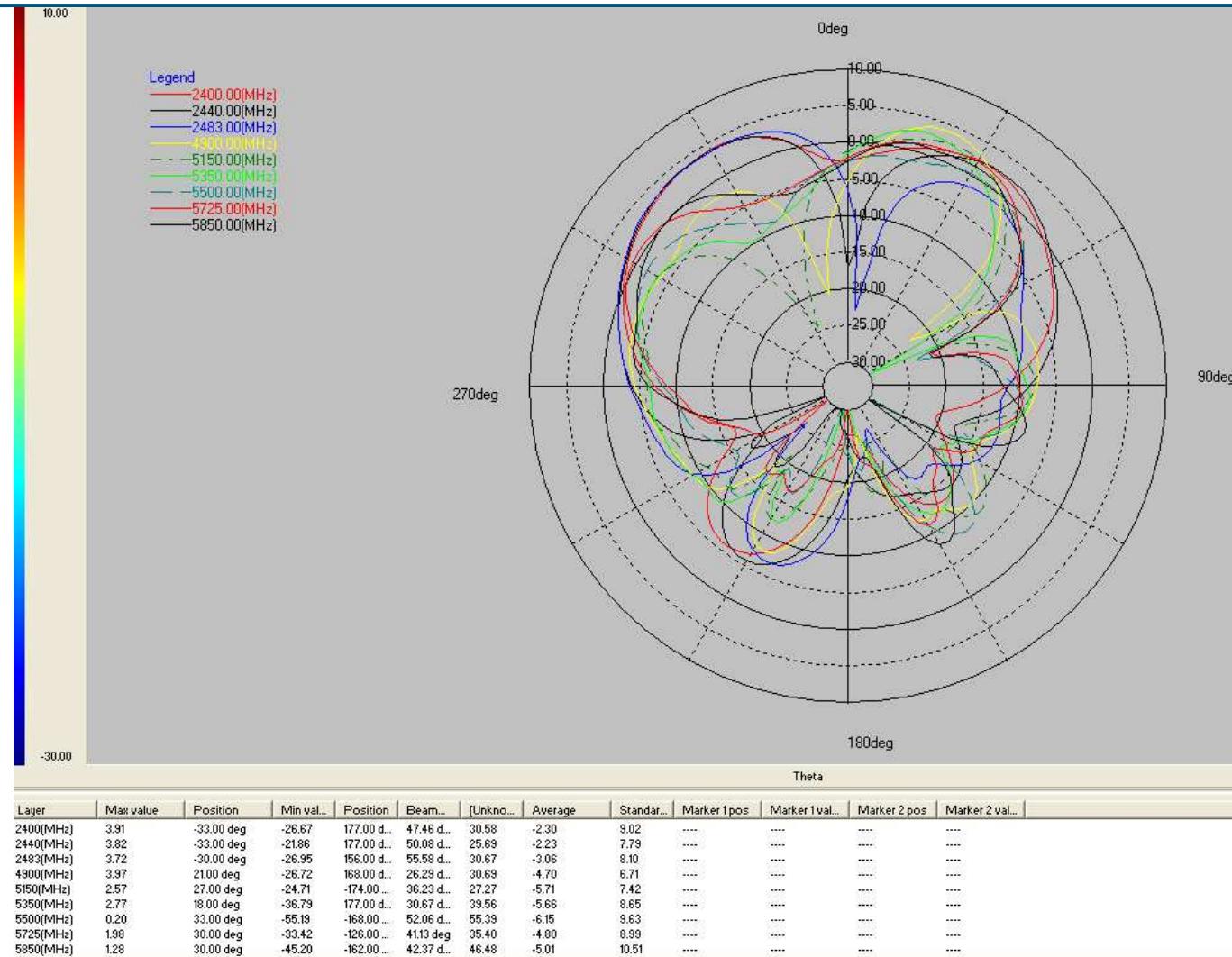
Antenna 1 Azimuth Horizontal Polarization



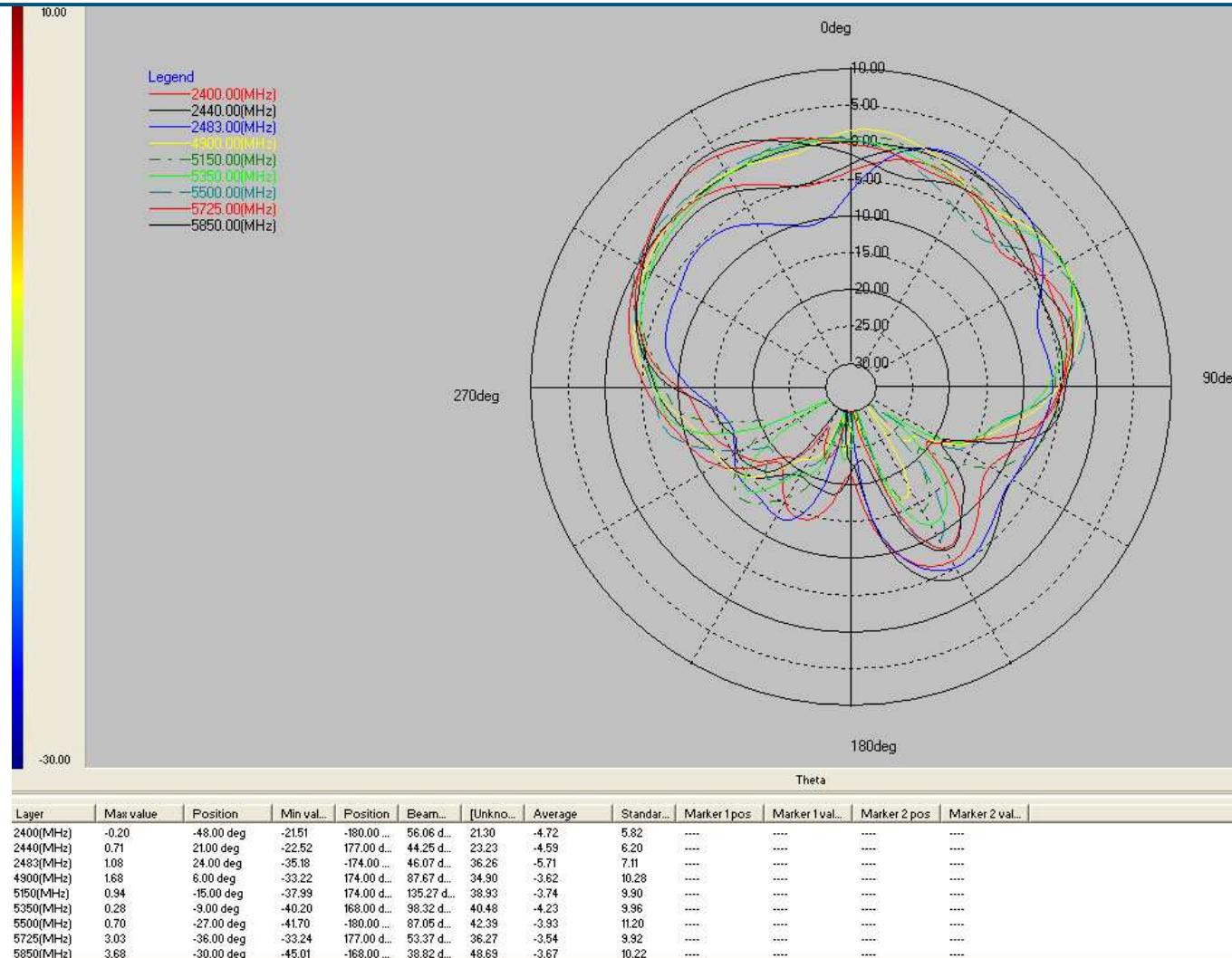
Antenna 2 VSWR



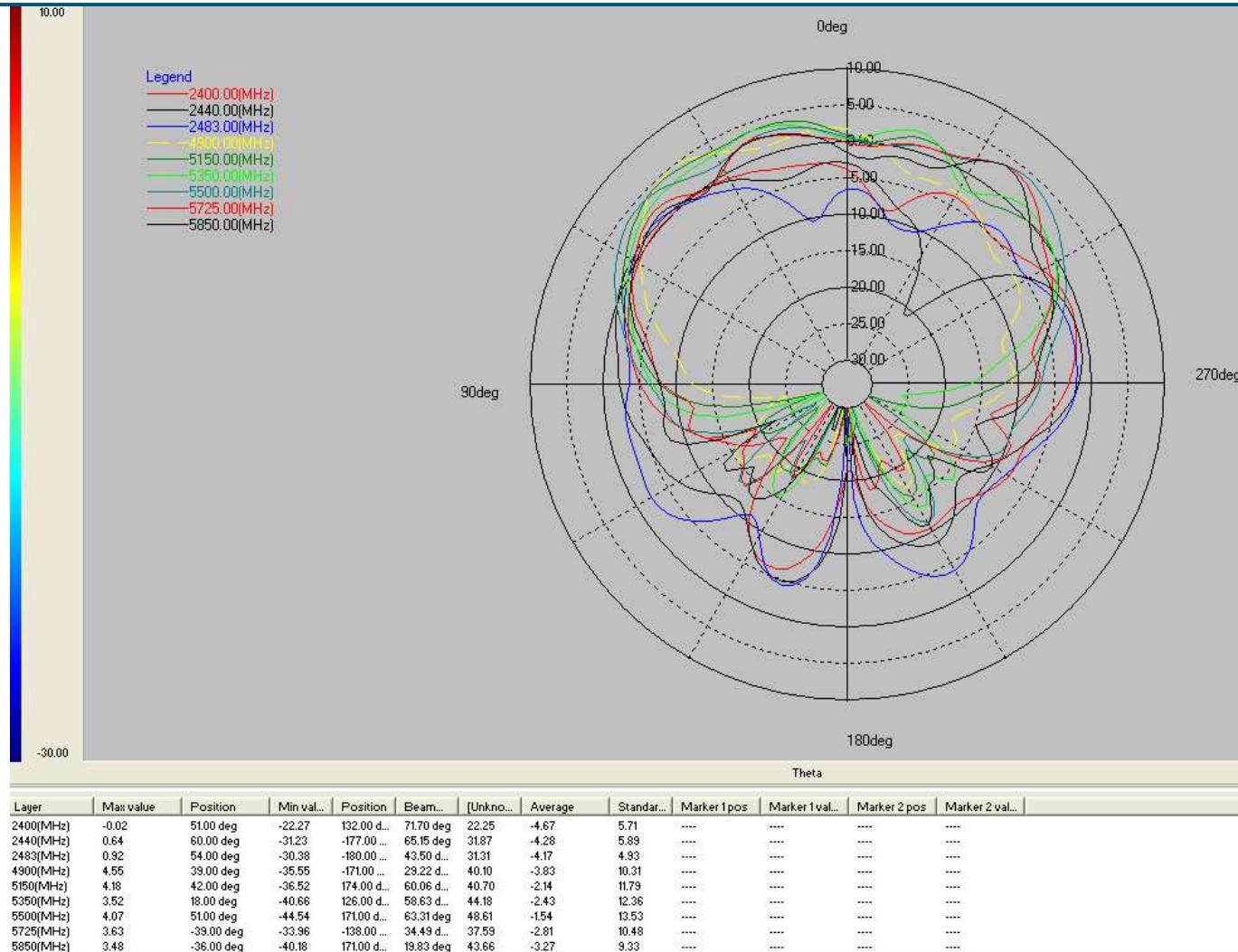
Antenna 2 Elevation 1 Vertical Polarization



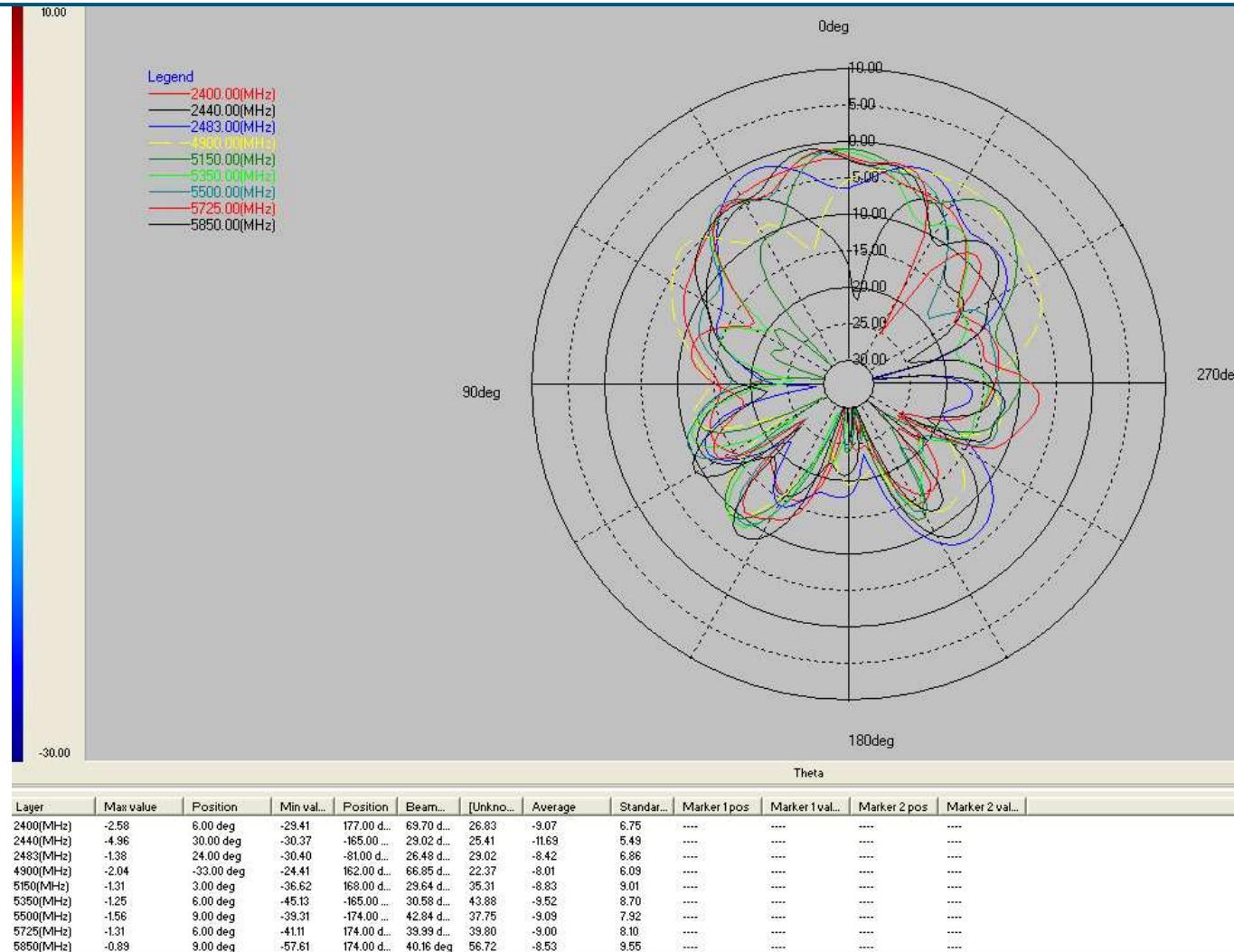
Antenna 2 Elevation 1 Horizontal Polarization



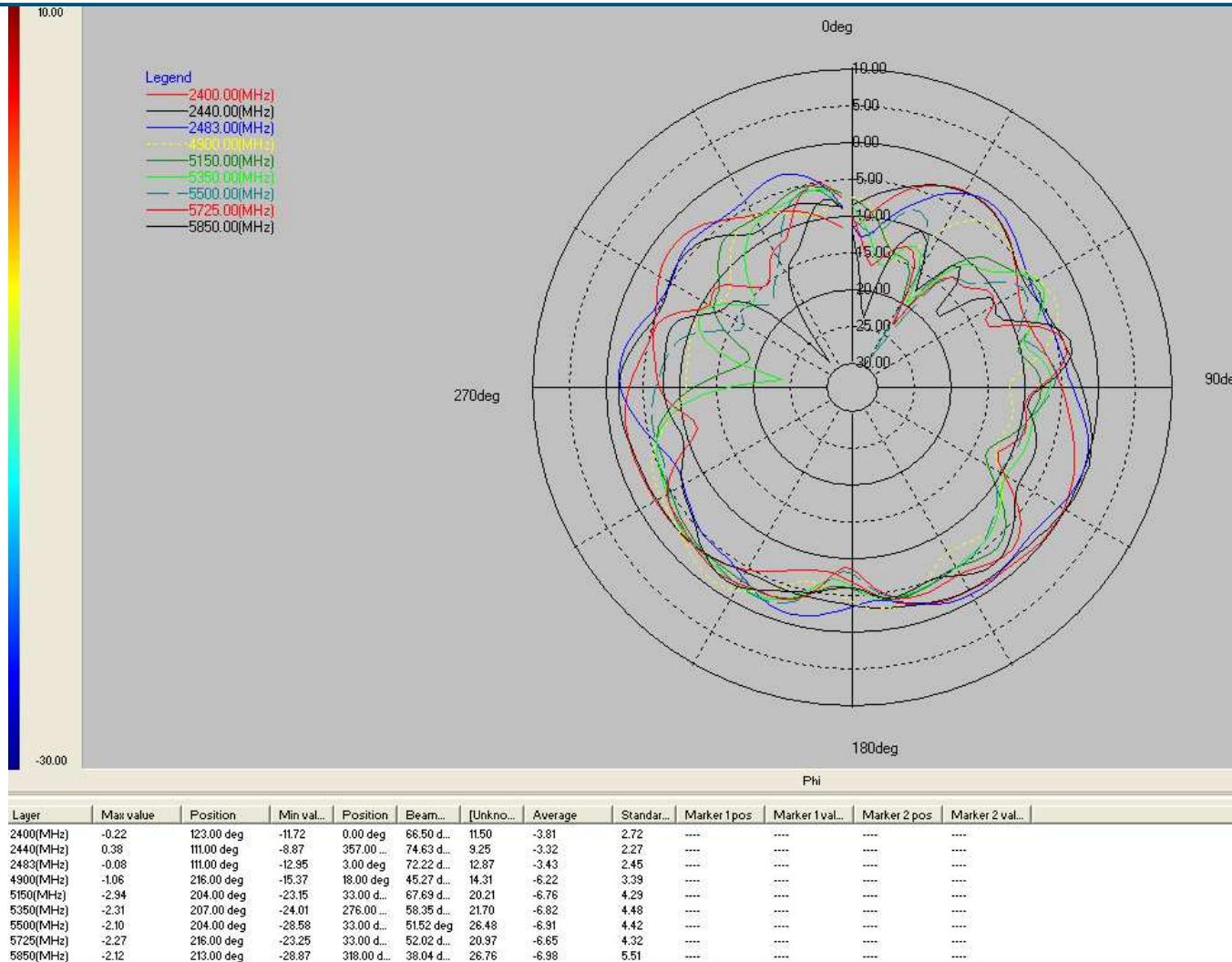
Antenna 2 Elevation 2 Vertical Polarization



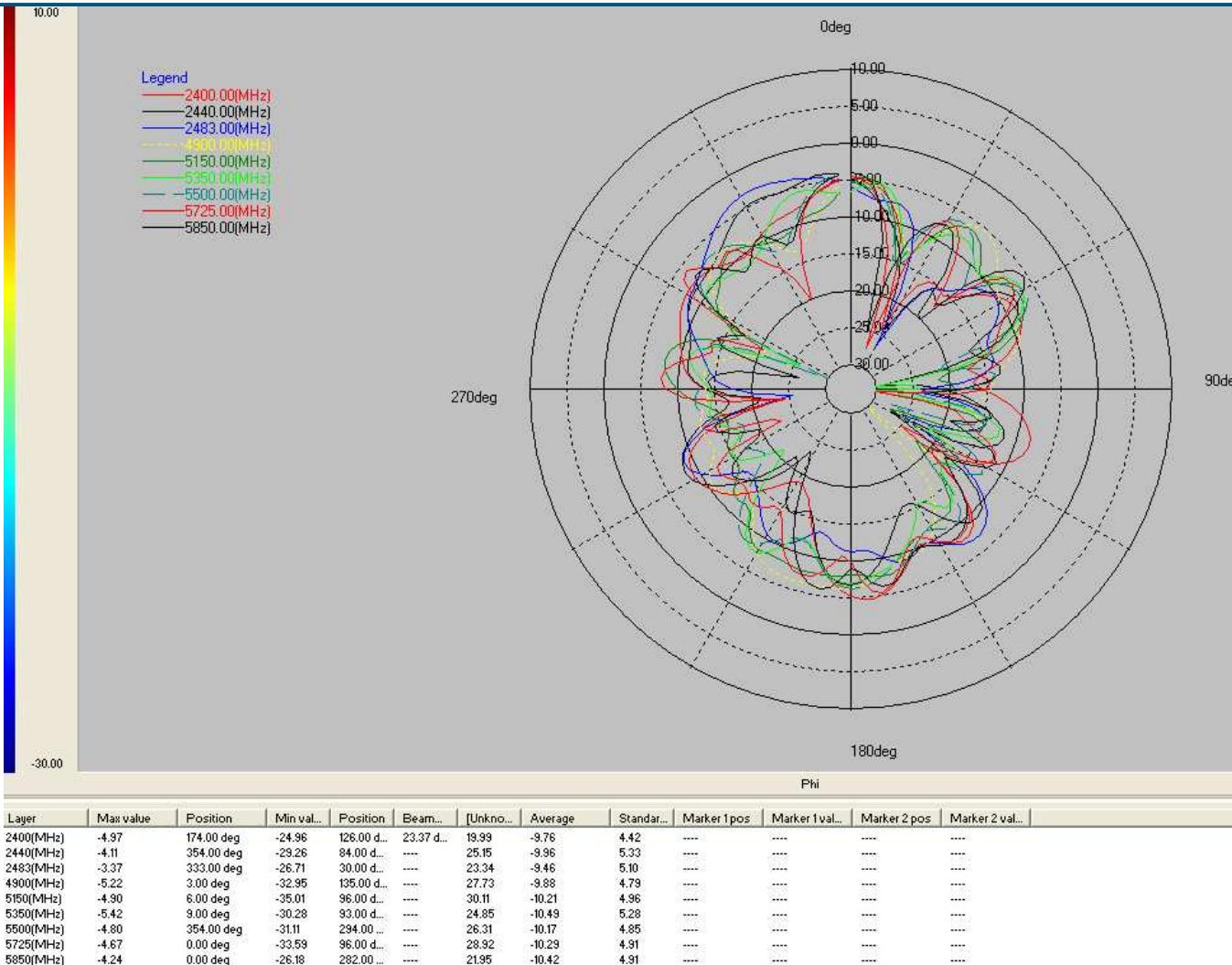
Antenna 2 Elevation 2 Horizontal Polarization



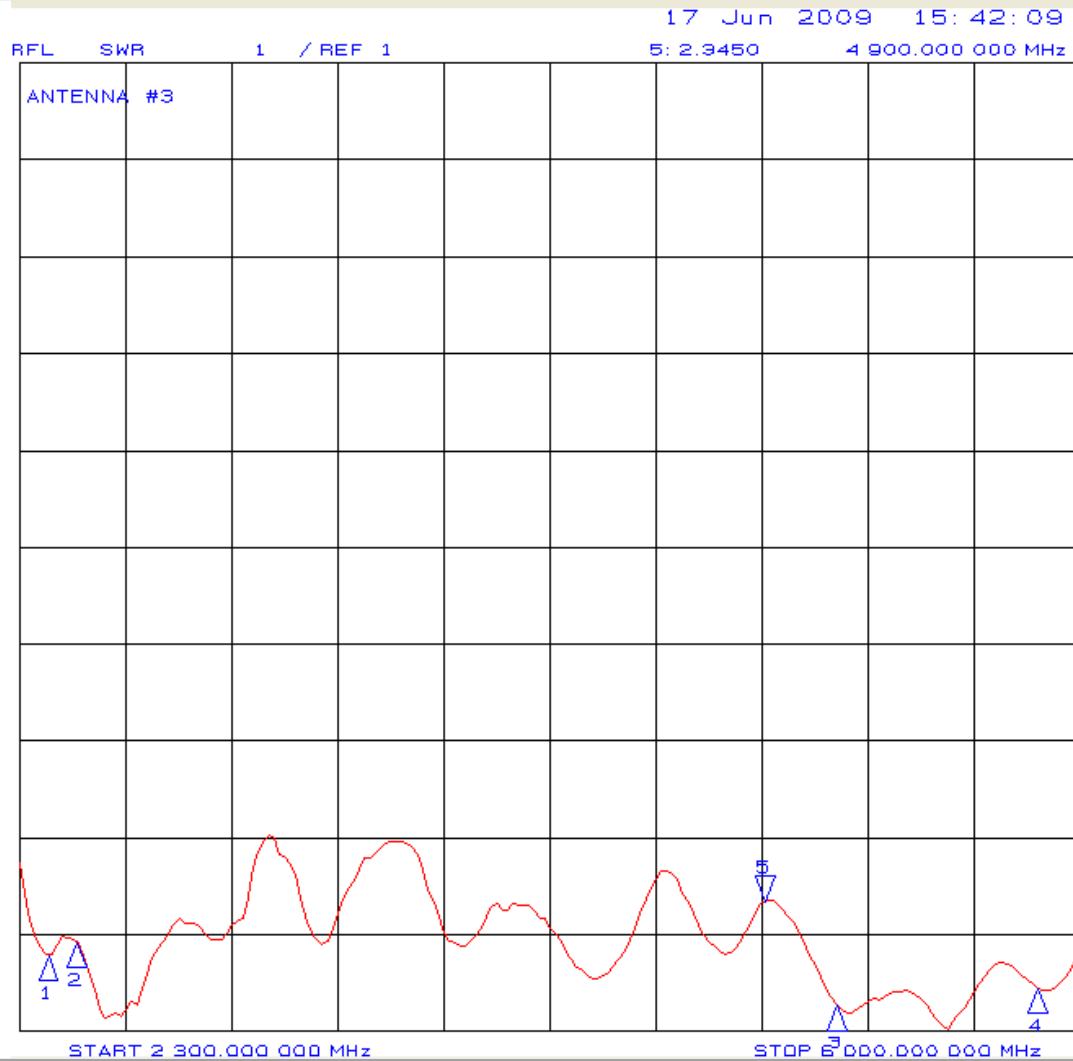
Antenna 2 Azimuth Vertical Polarization



Antenna 2 Azimuth Horizontal Polarization



Antenna 3 VSWR



CH2 Markers

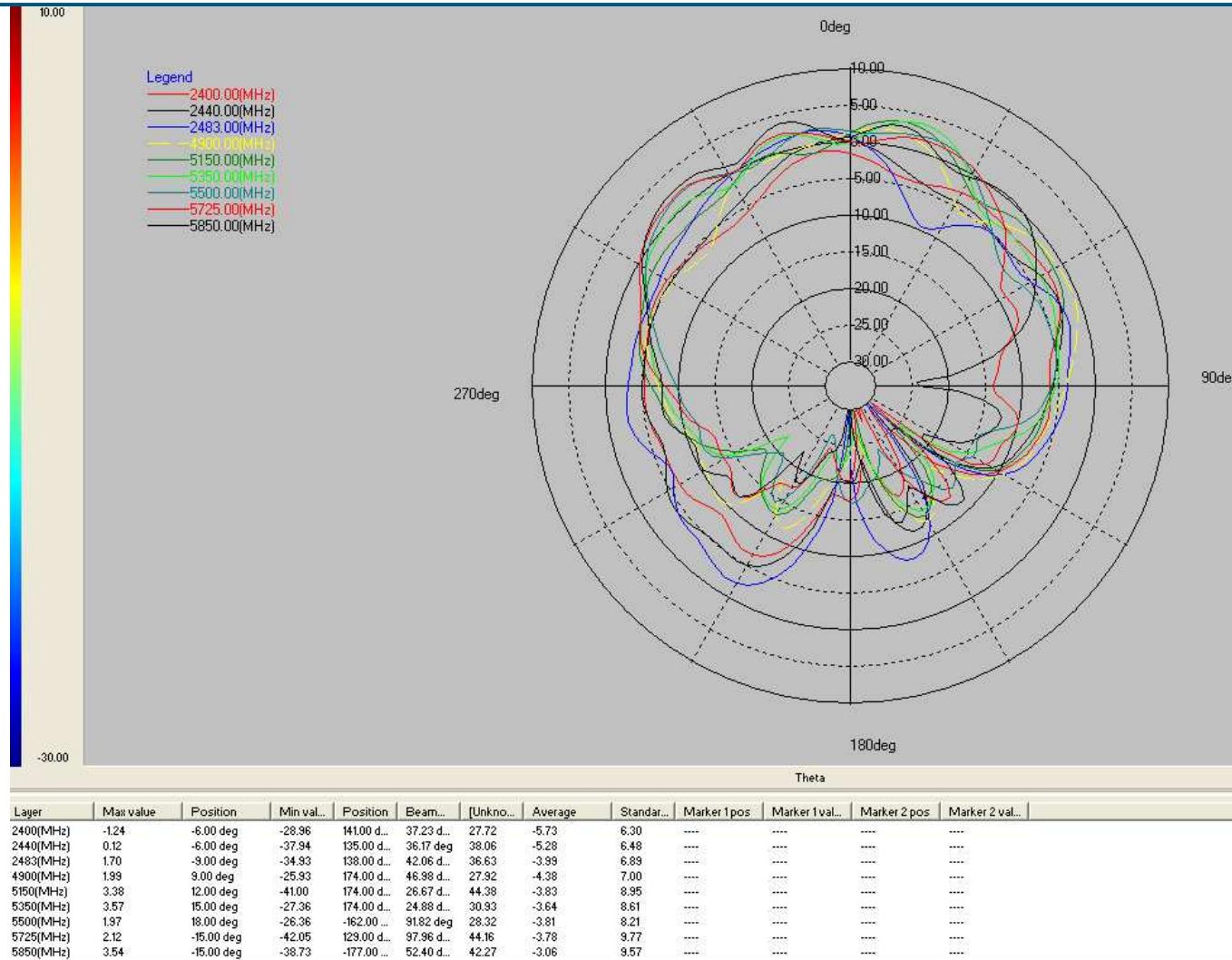
1: 1.7853
2.40000 GHz

2: 1.9231
2.50000 GHz

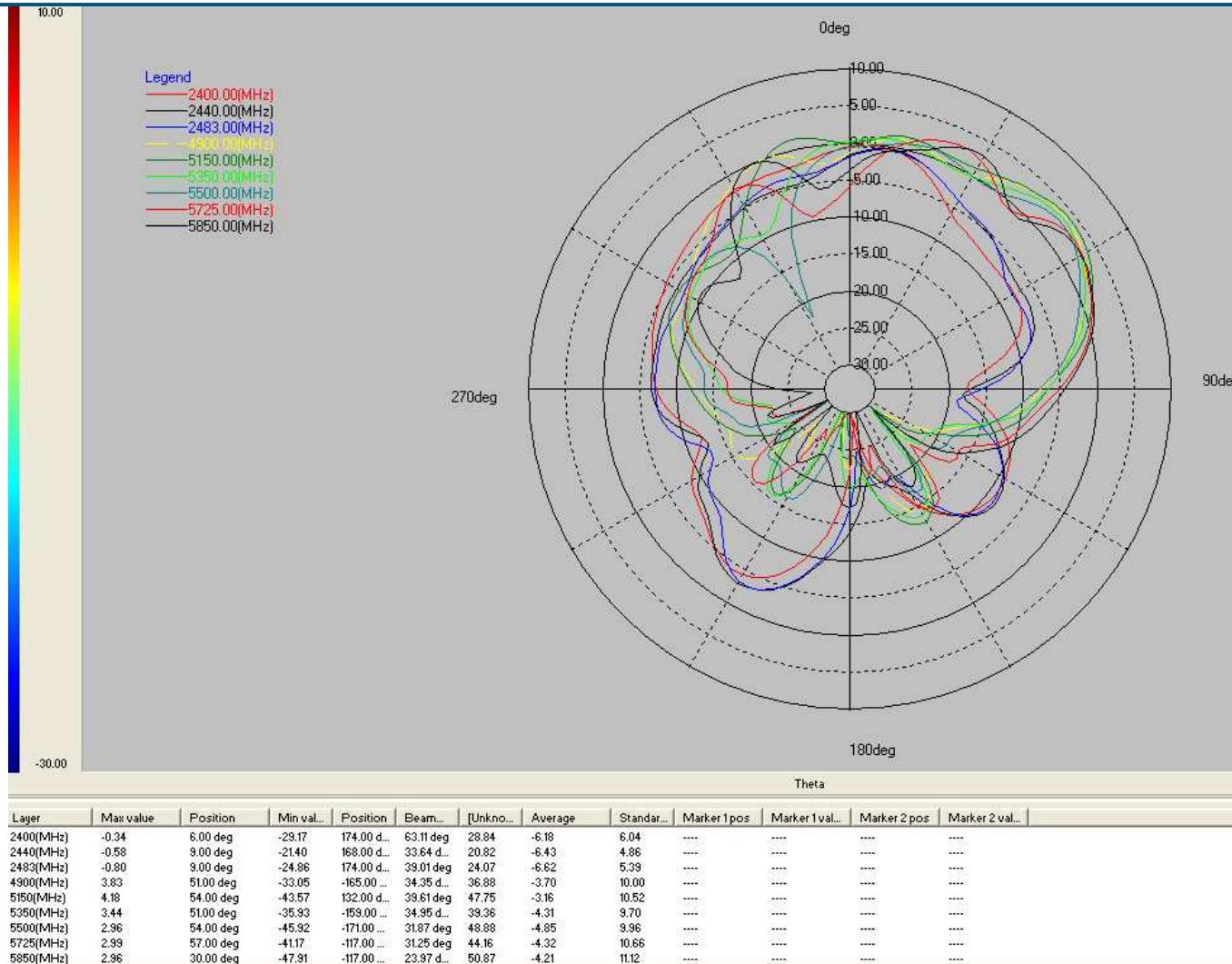
3: 1.2720
5.15000 GHz

5.85000 GHz

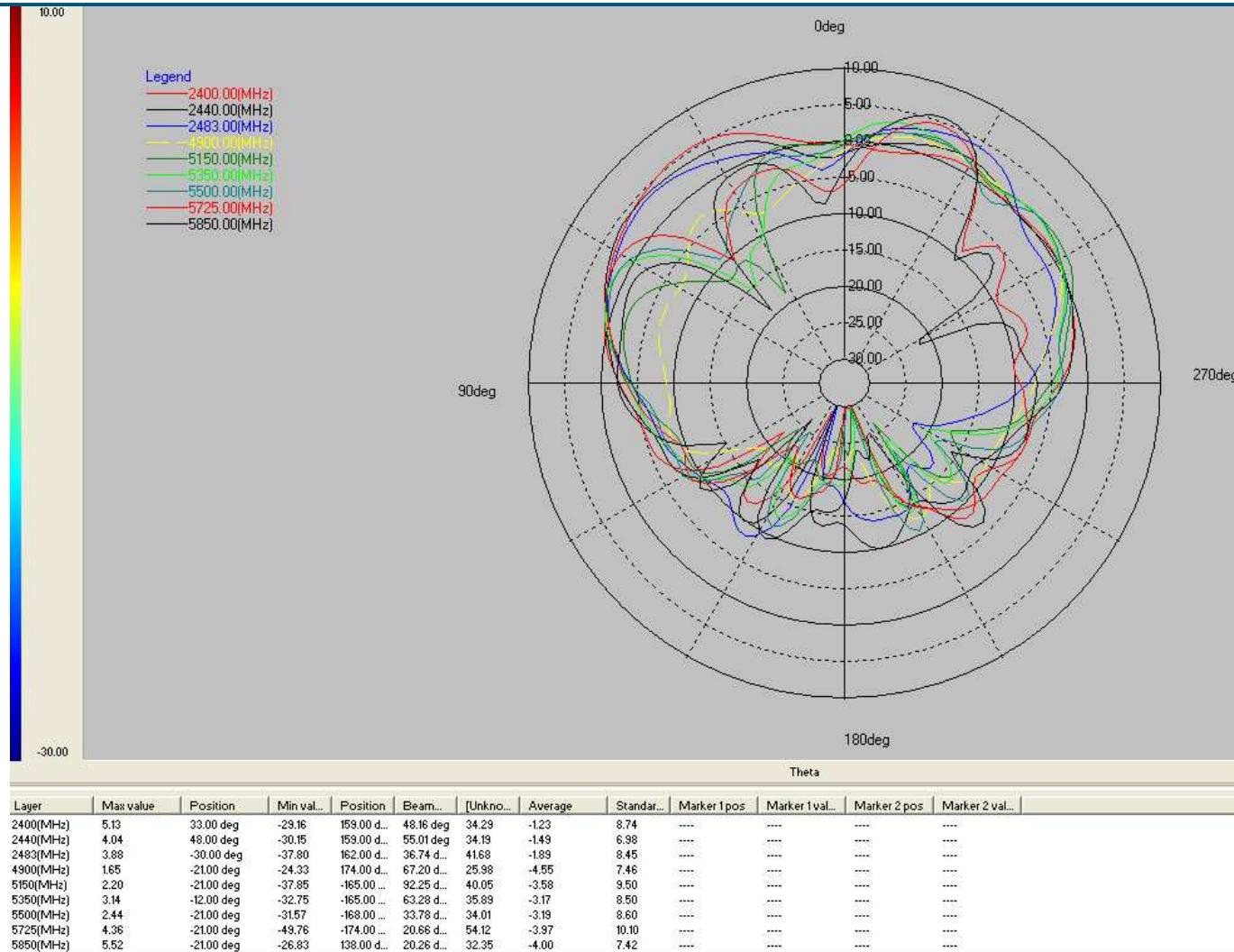
Antenna 3 Elevation 1 Vertical Polarization



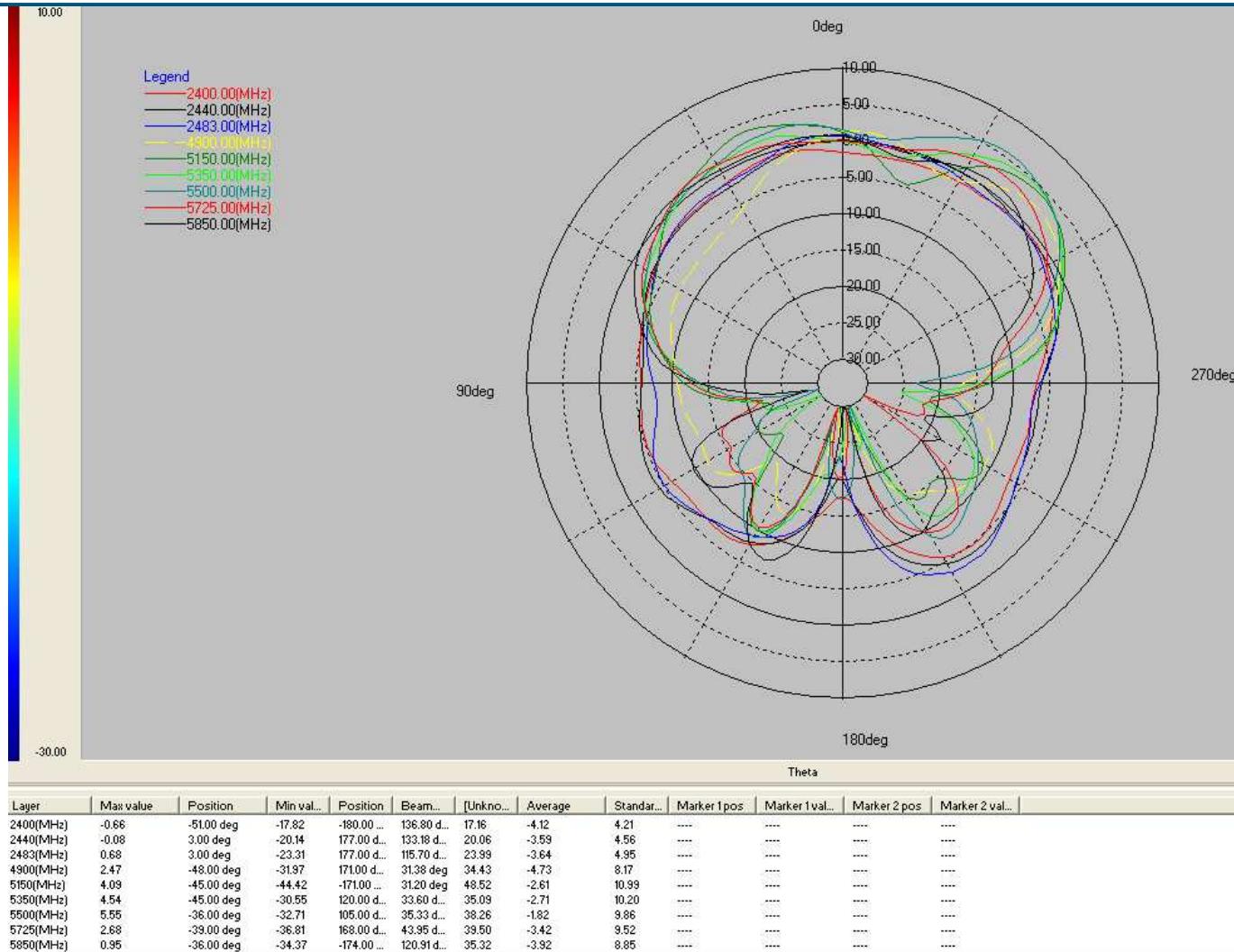
Antenna 3 Elevation 1 Horizontal Polarization



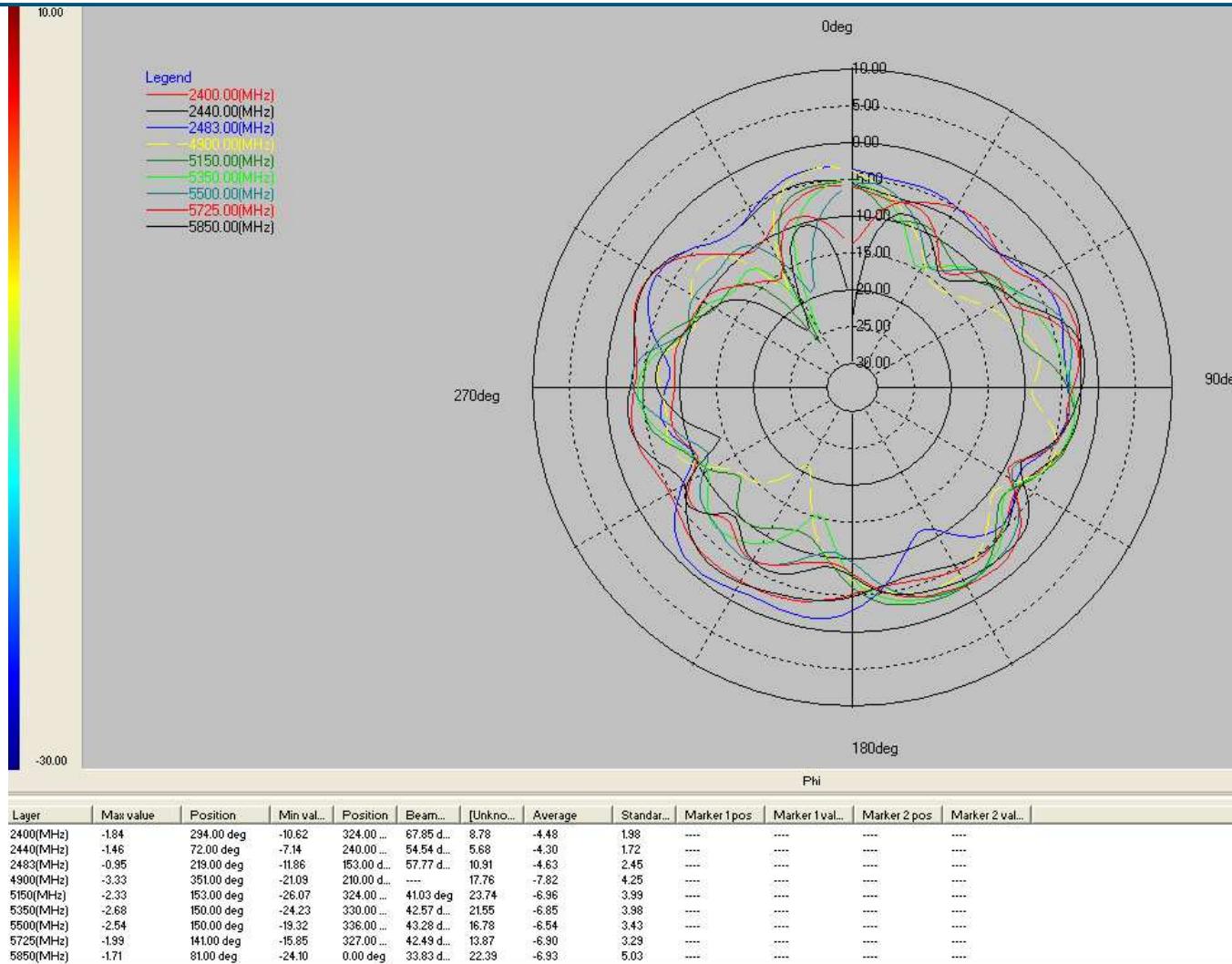
Antenna 3 Elevation 2 Vertical Polarization



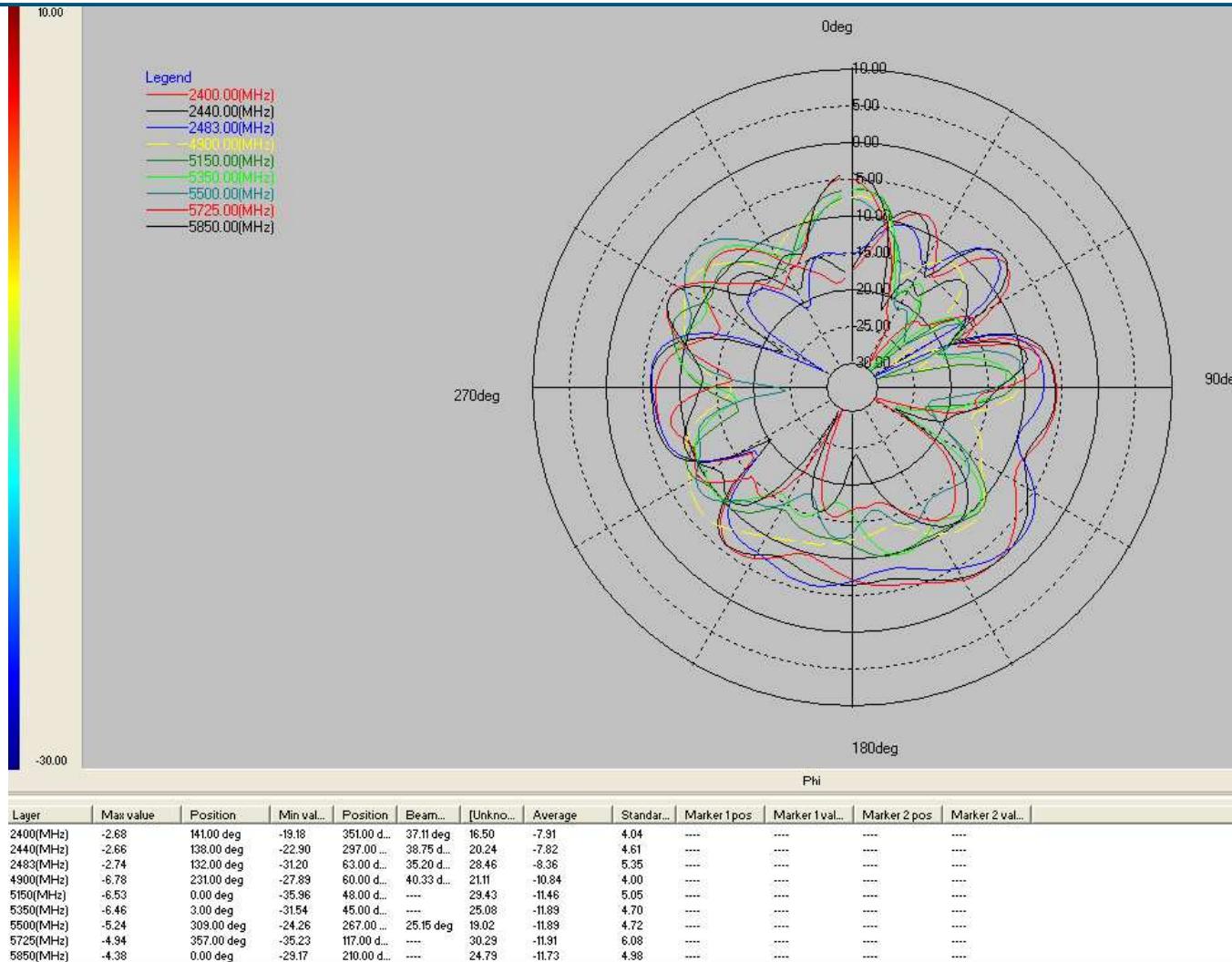
Antenna 3 Elevation 2 Horizontal Polarization



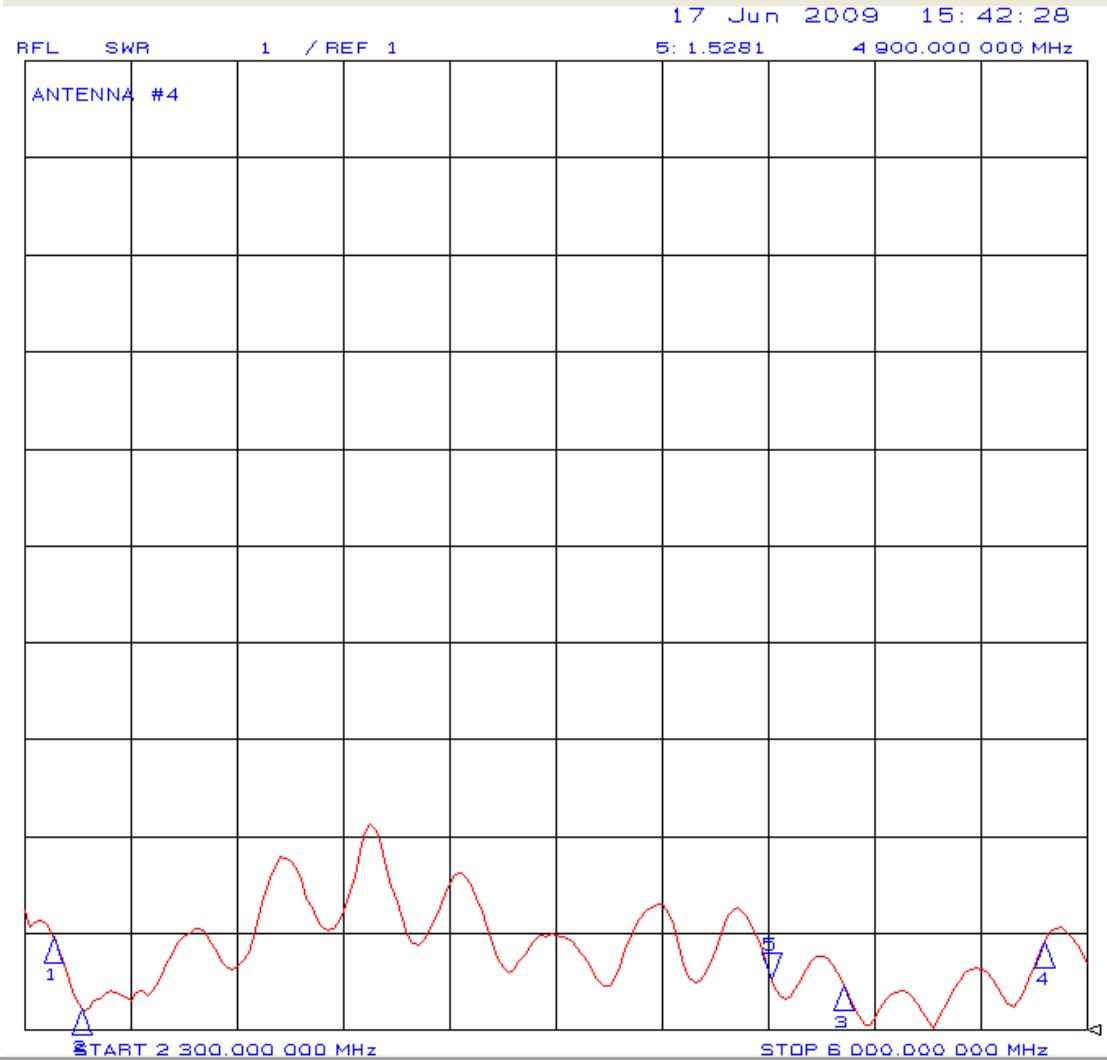
Antenna 3 Azimuth Vertical Polarization



Antenna 3 Azimuth Horizontal Polarization



Antenna 4 VSWR



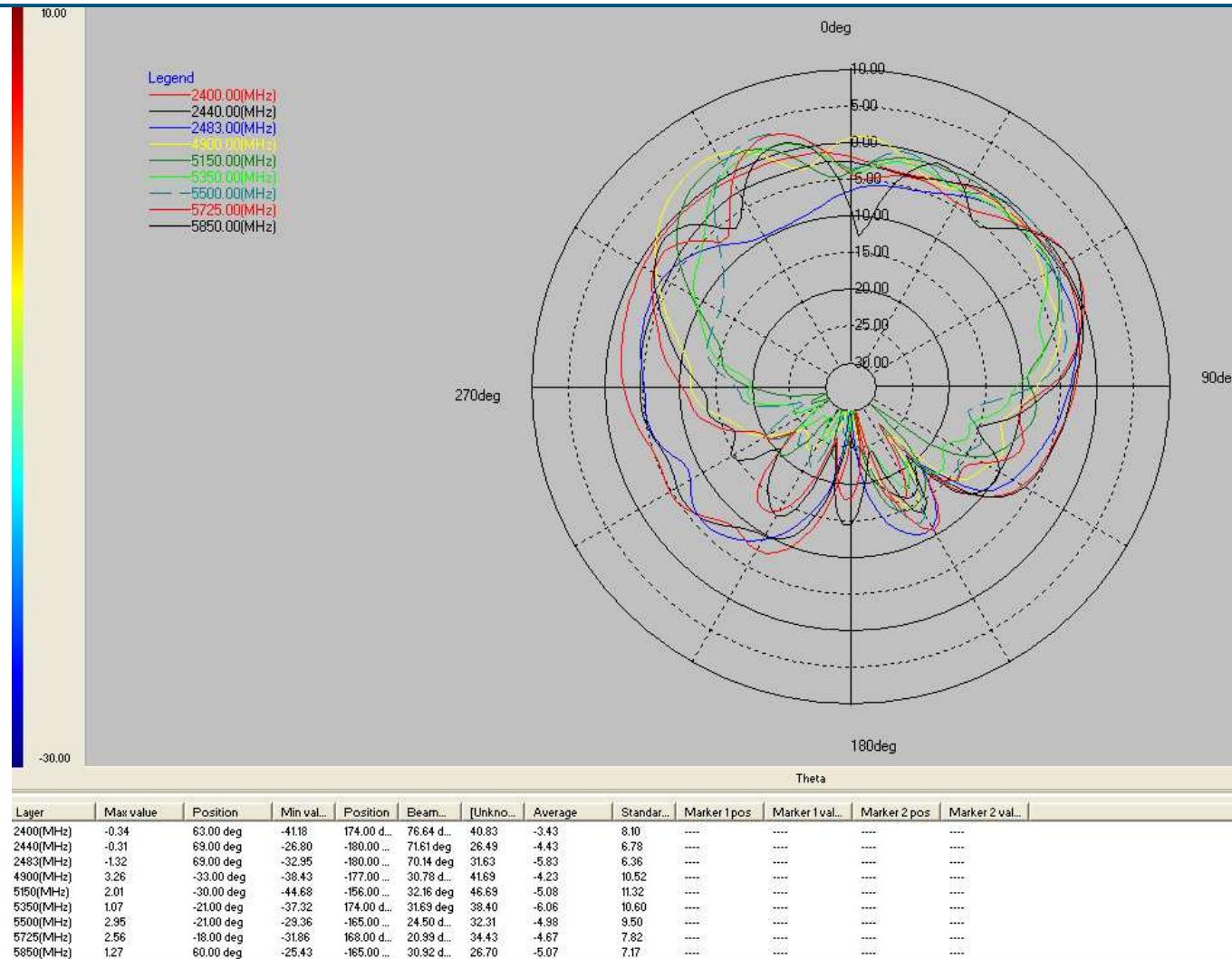
CH2 Markers
1: 1.9820
2.40000 GHz

2: 1.2131
2.50000 GHz

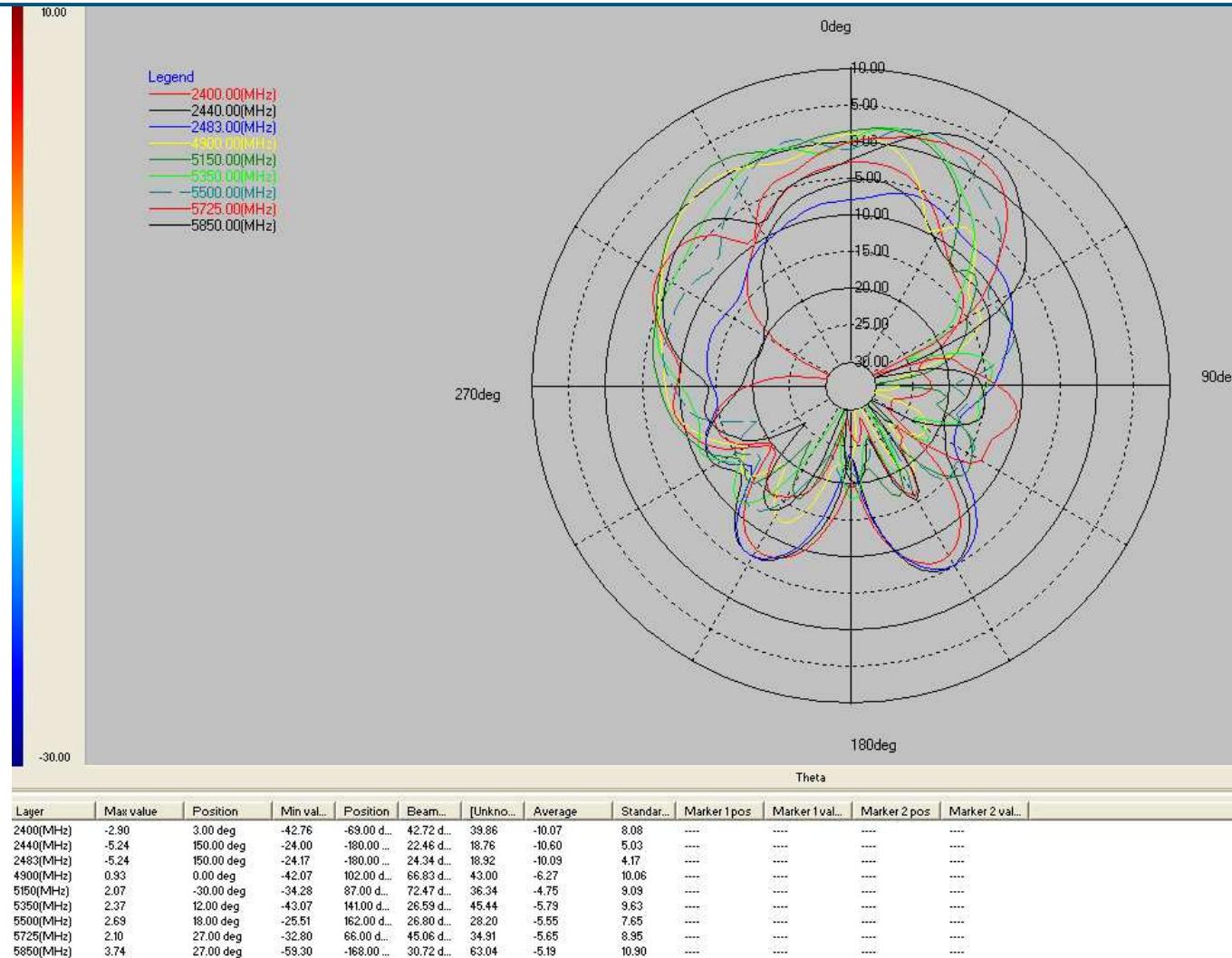
3: 1.4699
5.15000 GHz

4: 1.9184
5.85000 GHz

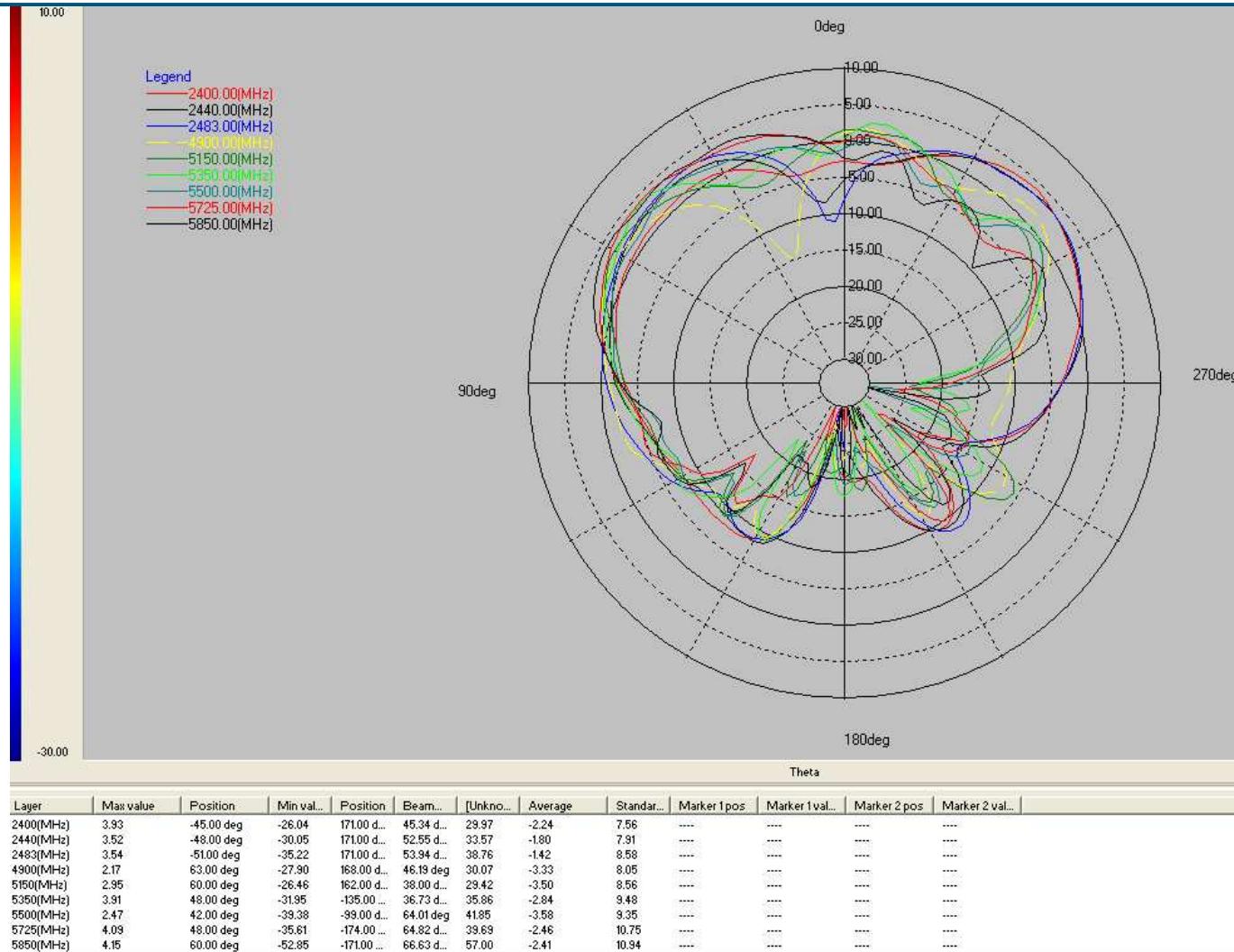
Antenna 4 Elevation 1 Vertical Polarization



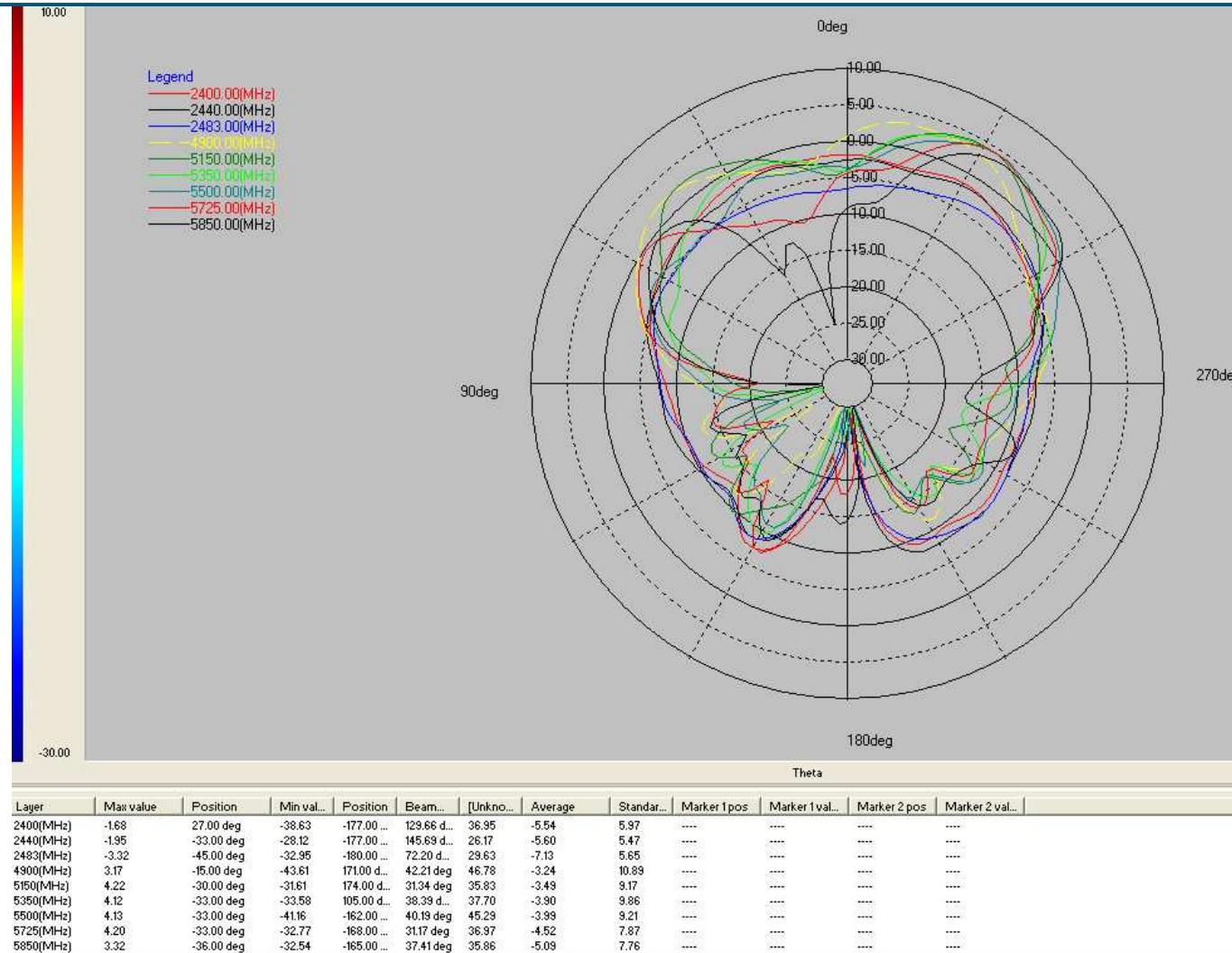
Antenna 4 Elevation 1 Horizontal Polarization



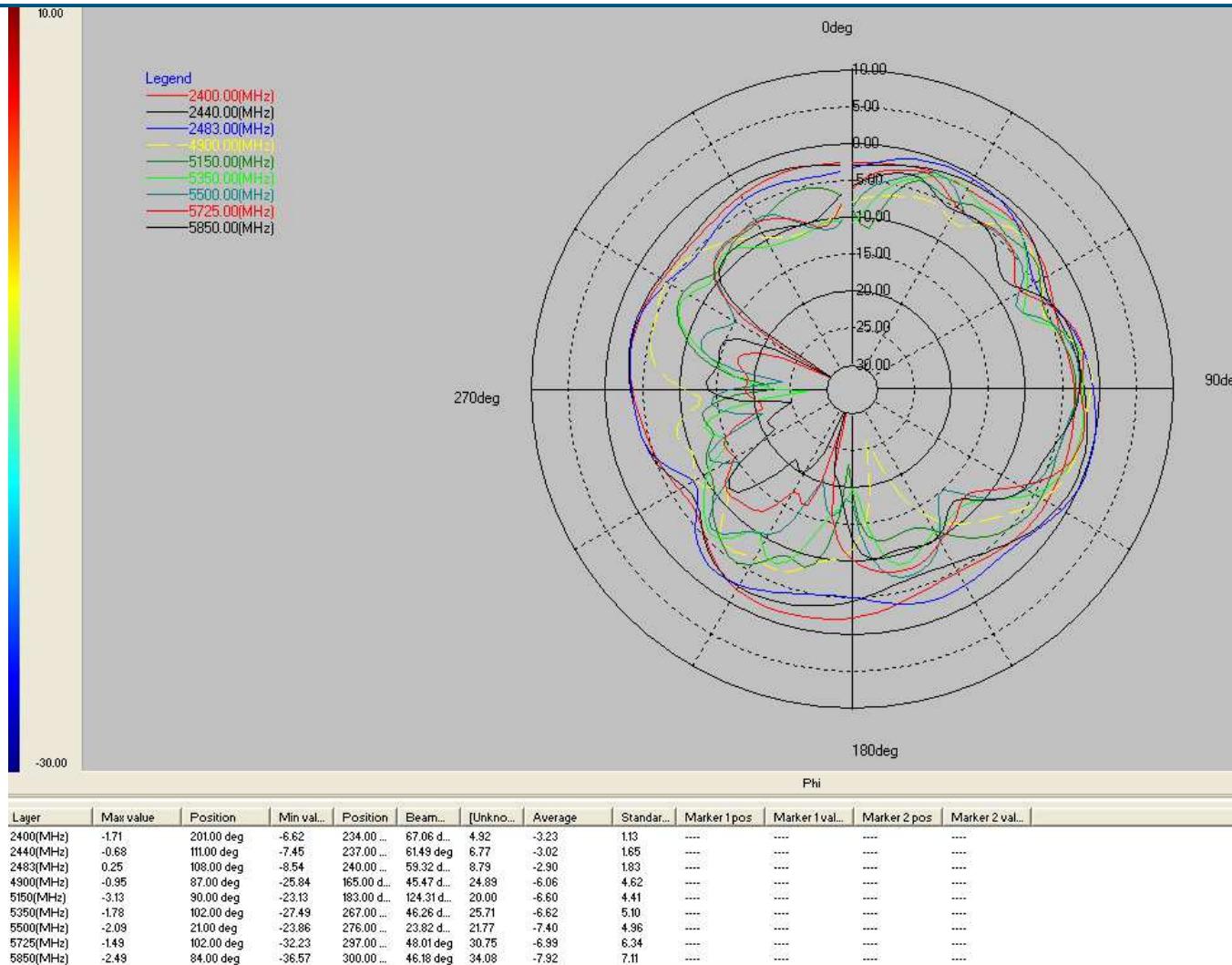
Antenna 4 Elevation 2 Vertical Polarization



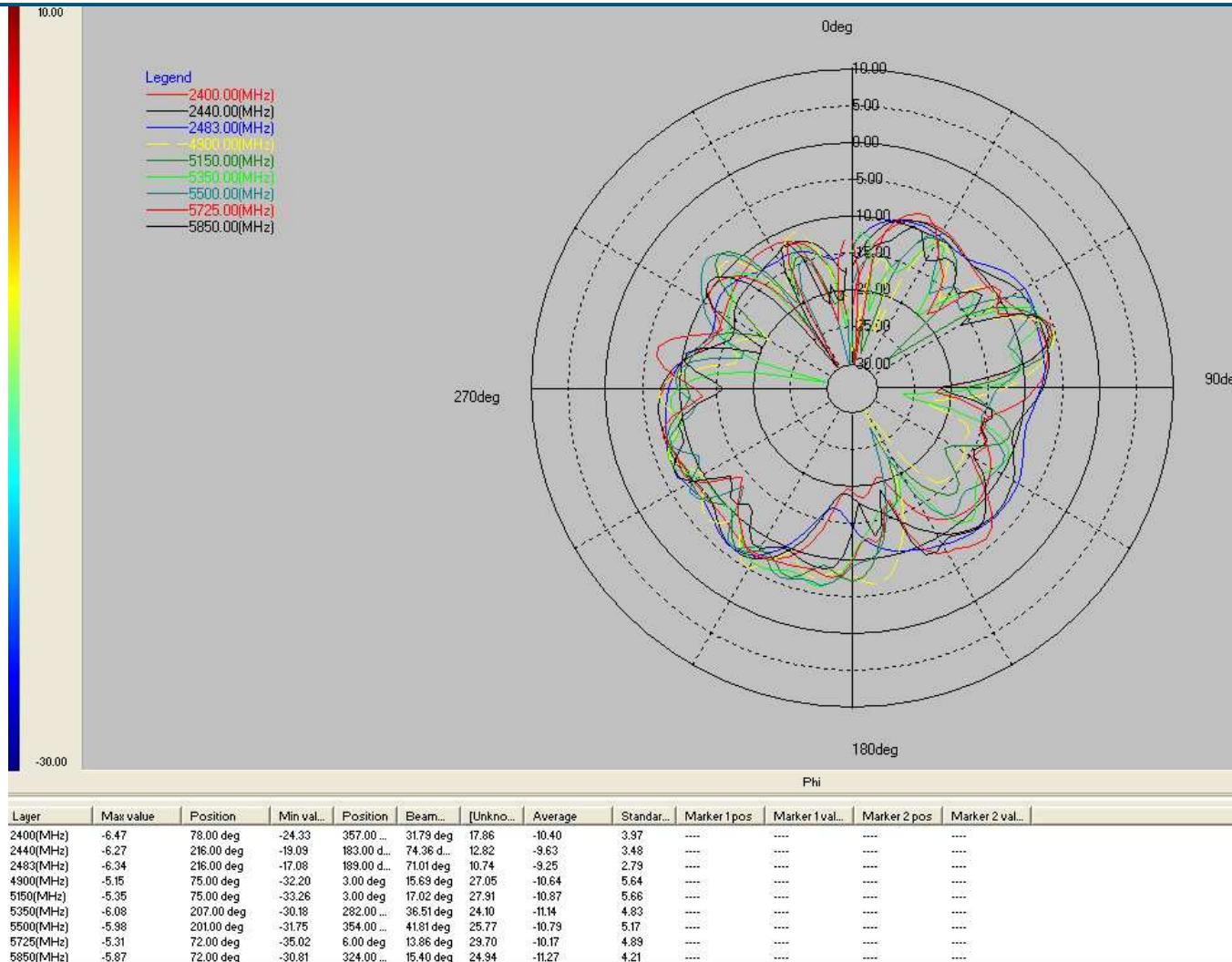
Antenna 4 Elevation 2 Horizontal Polarization



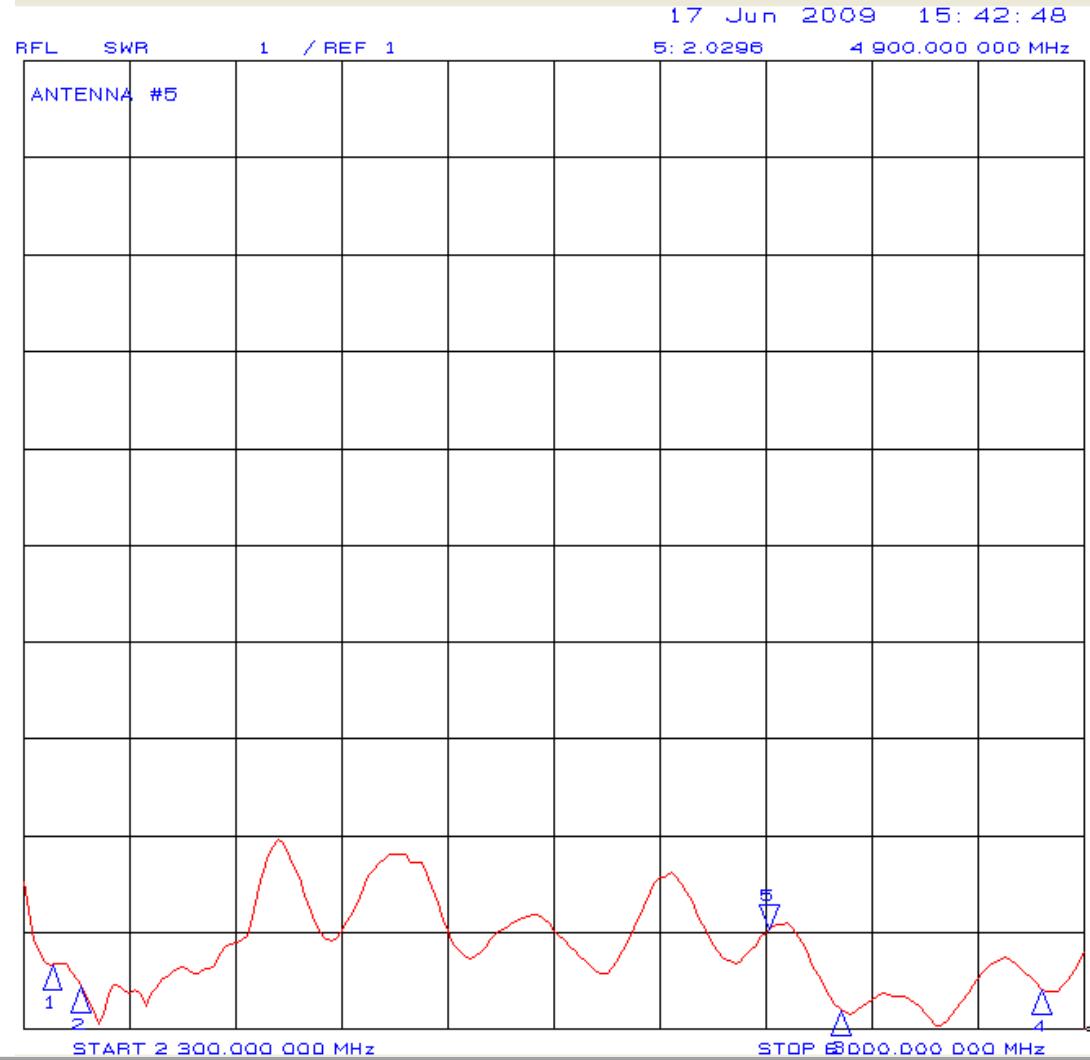
Antenna 4 Azimuth Vertical Polarization



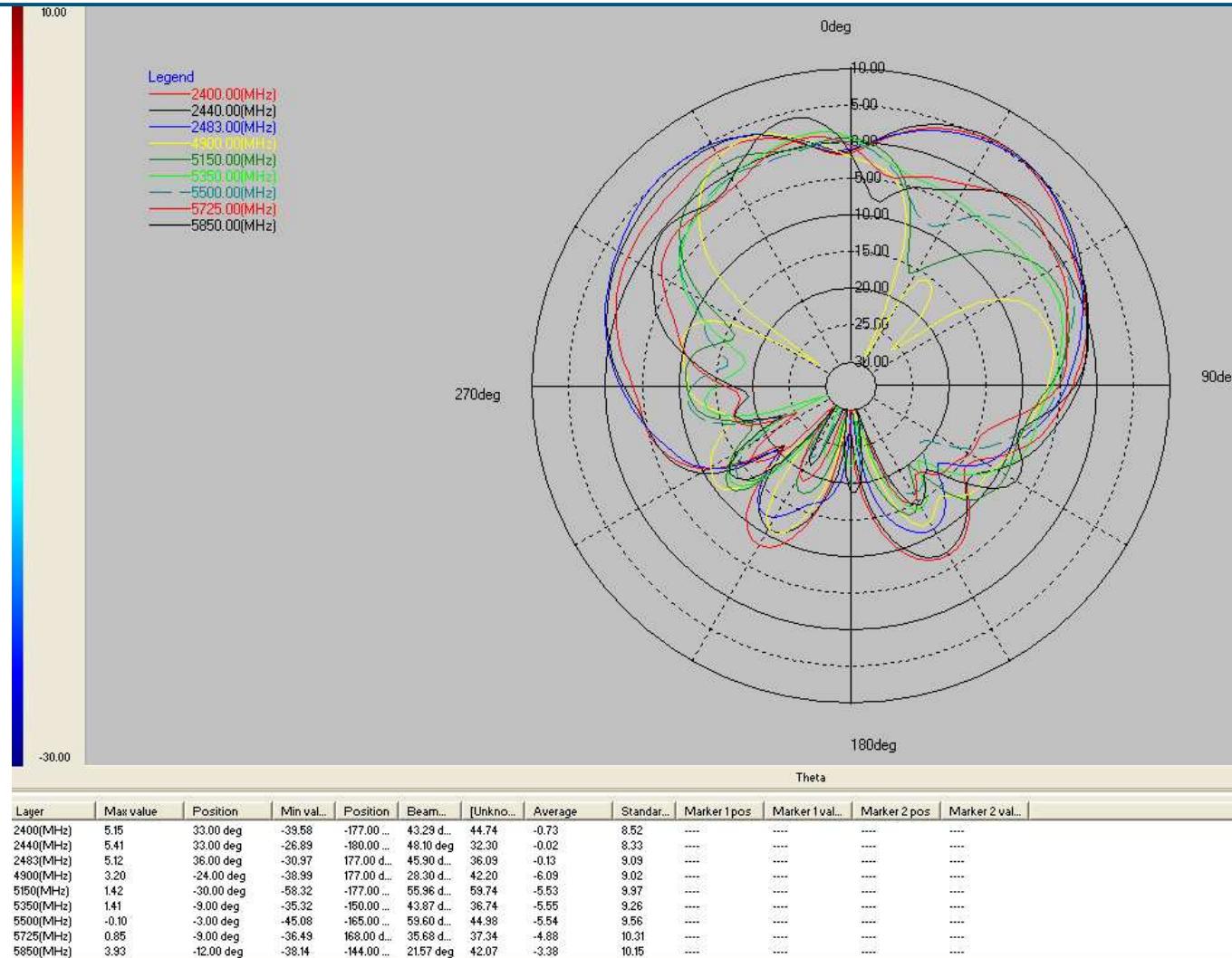
Antenna 4 Azimuth Horizontal Polarization



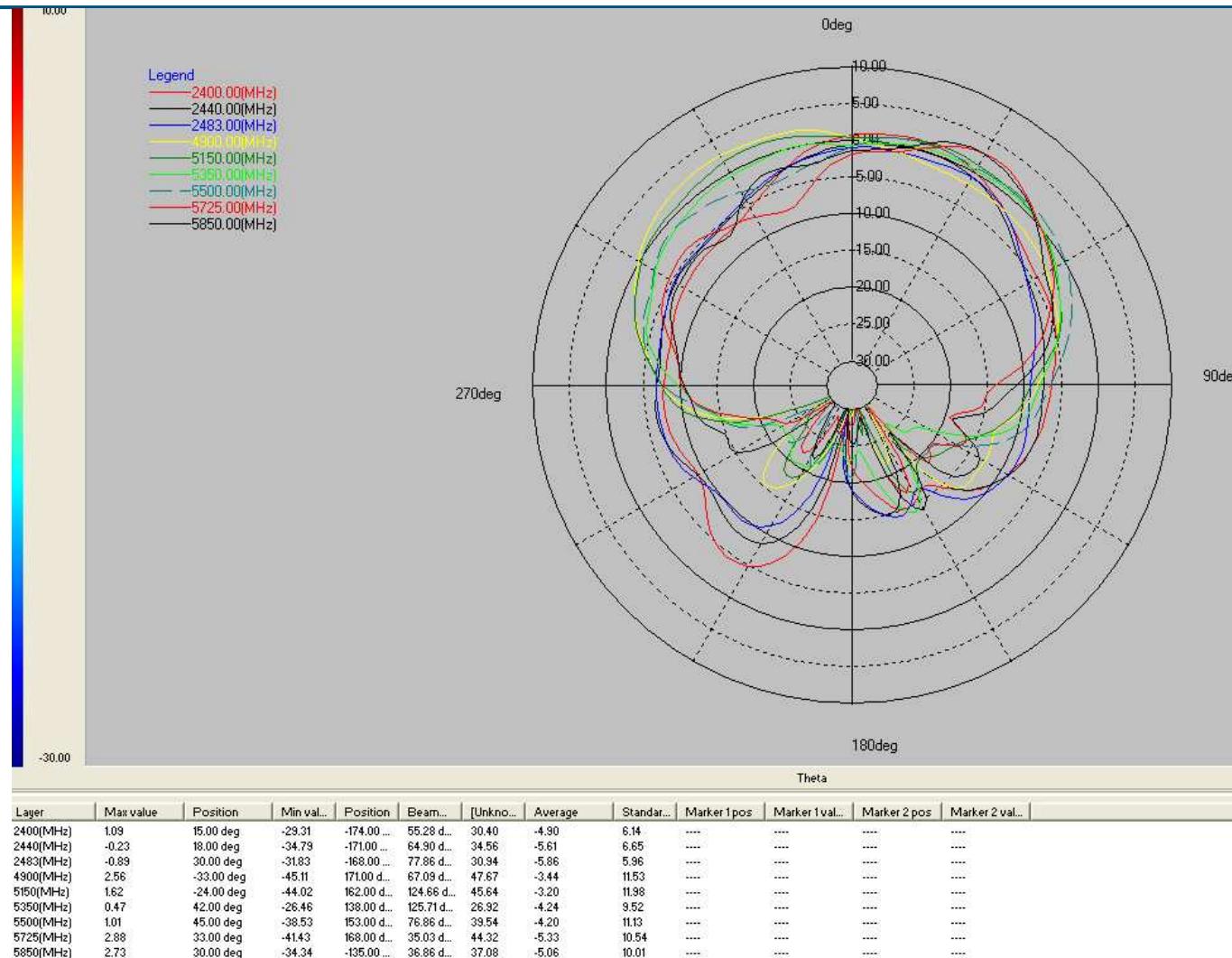
Antenna 5 VSWR



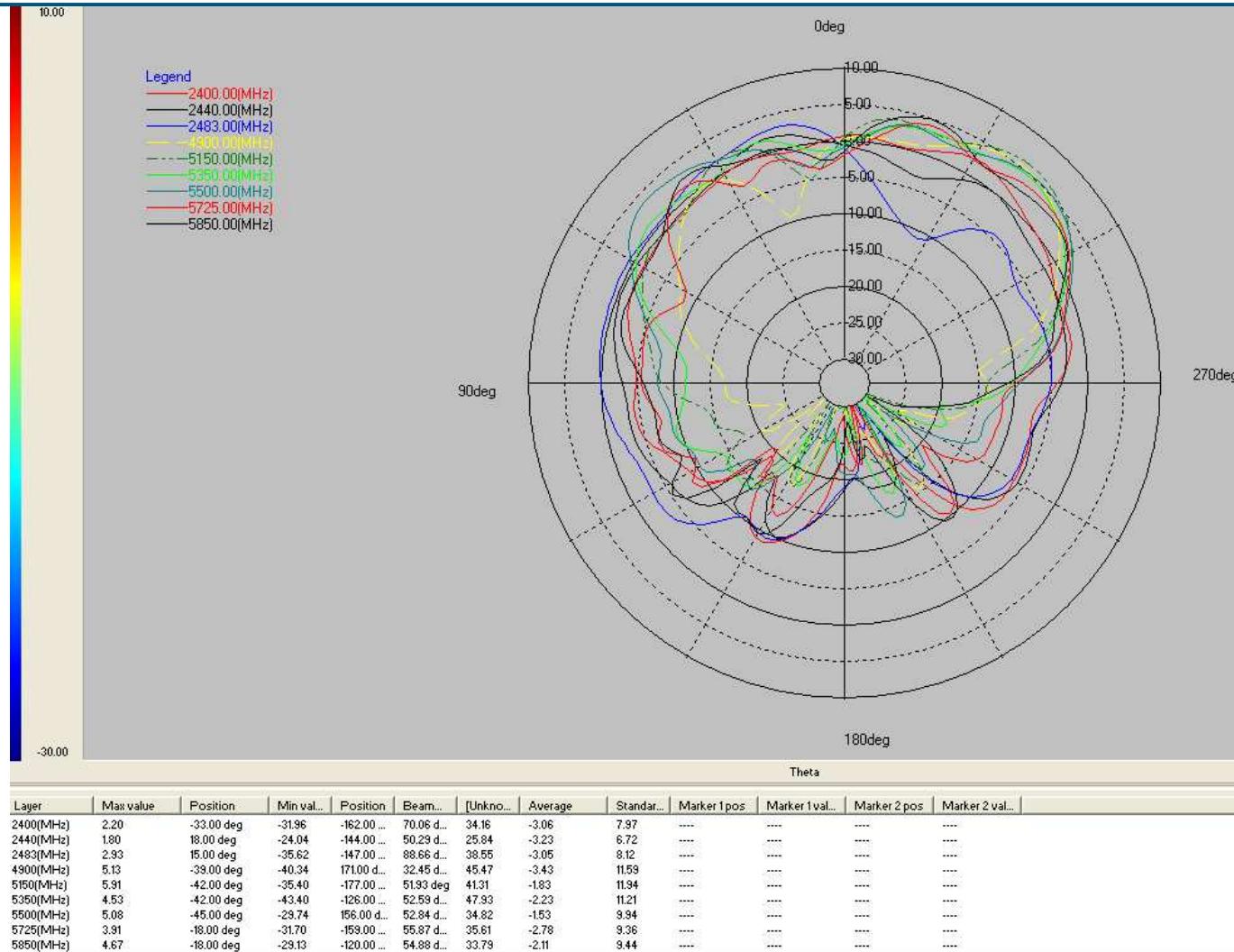
Antenna 5 Elevation 1 Vertical Polarization



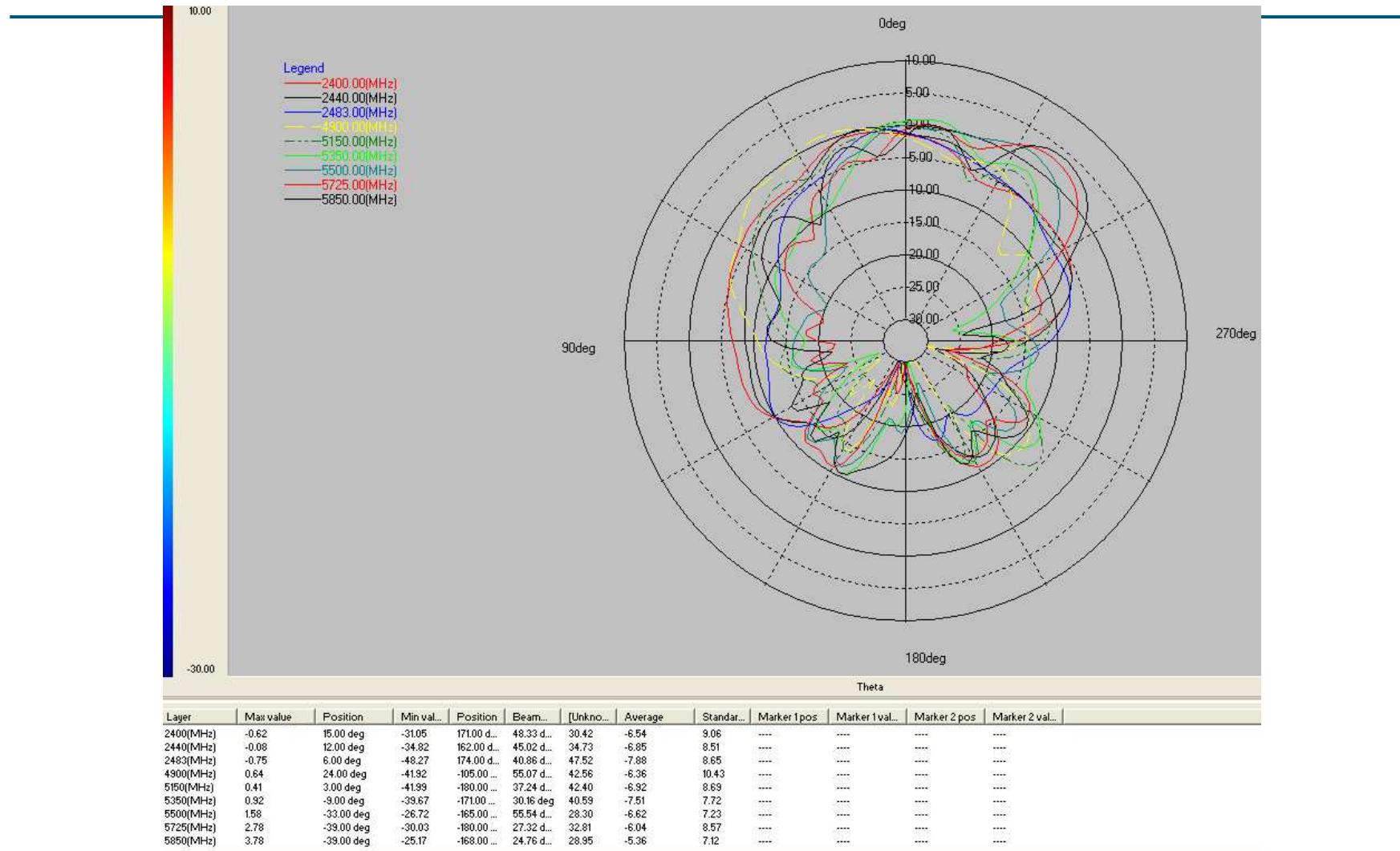
Antenna 5 Elevation 1 Horizontal Polarization



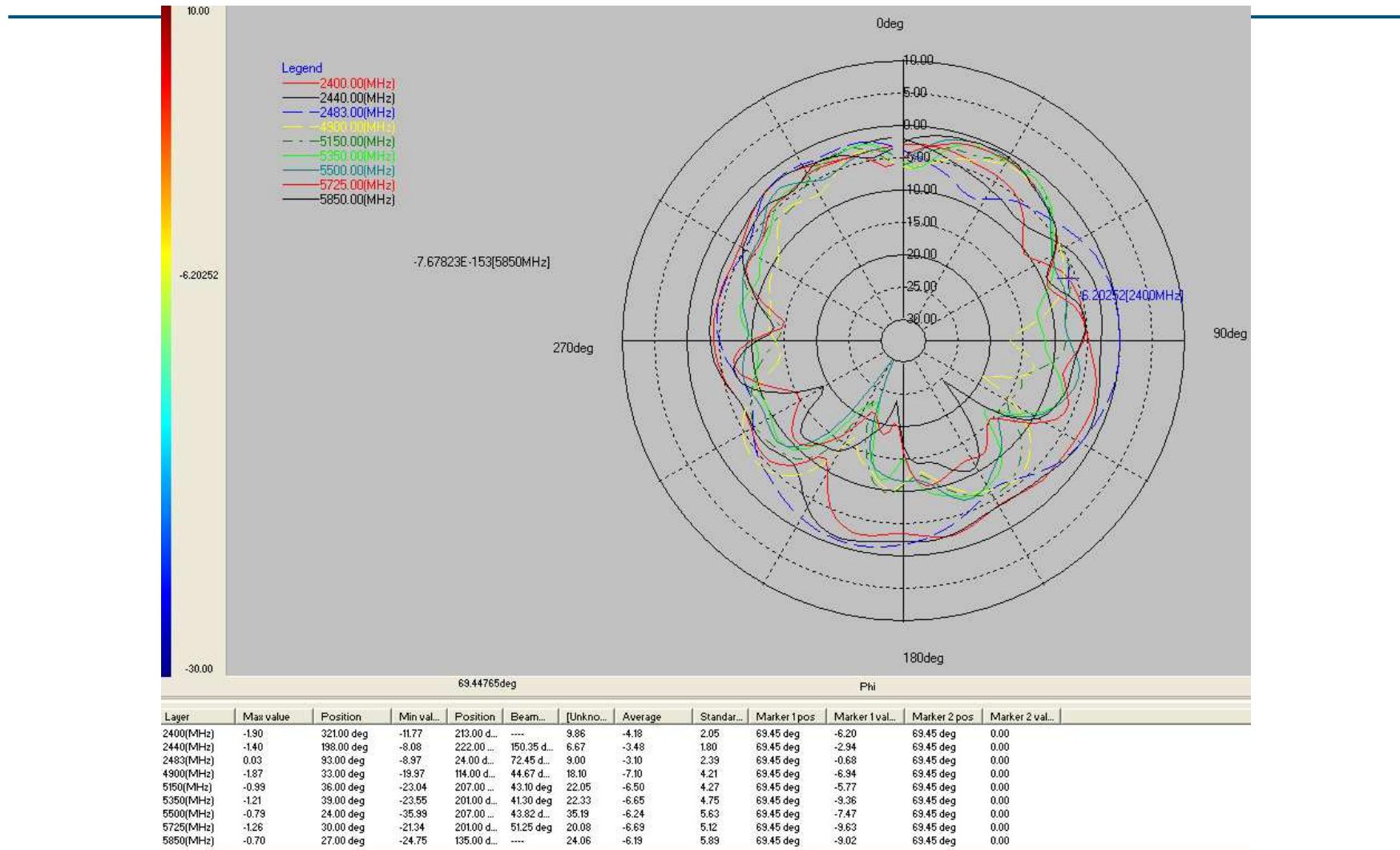
Antenna 5 Elevation 2 Vertical Polarization



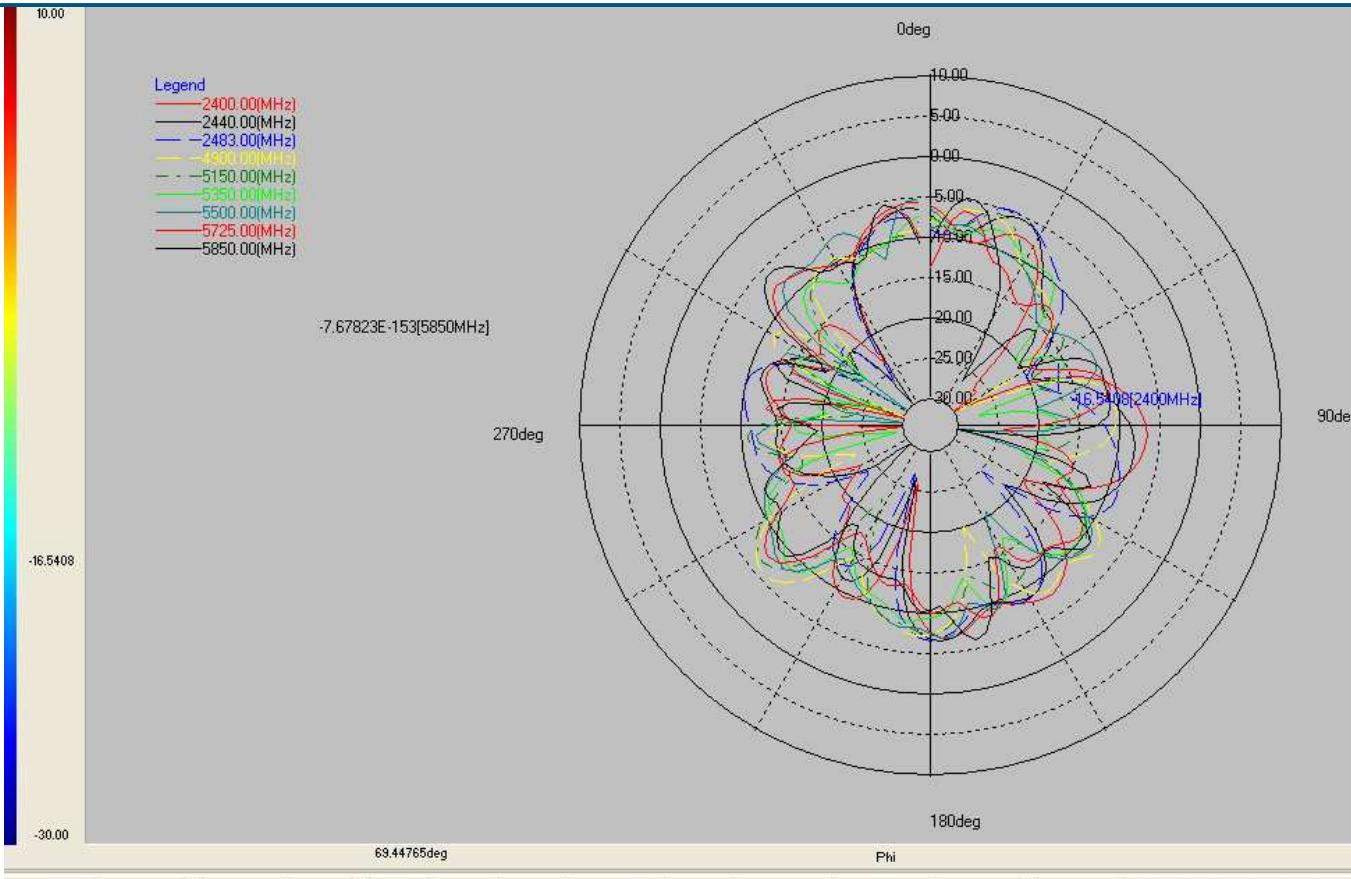
Antenna 5 Elevation 2 Horizontal Polarization



Antenna 5 Azimuth Vertical Polarization

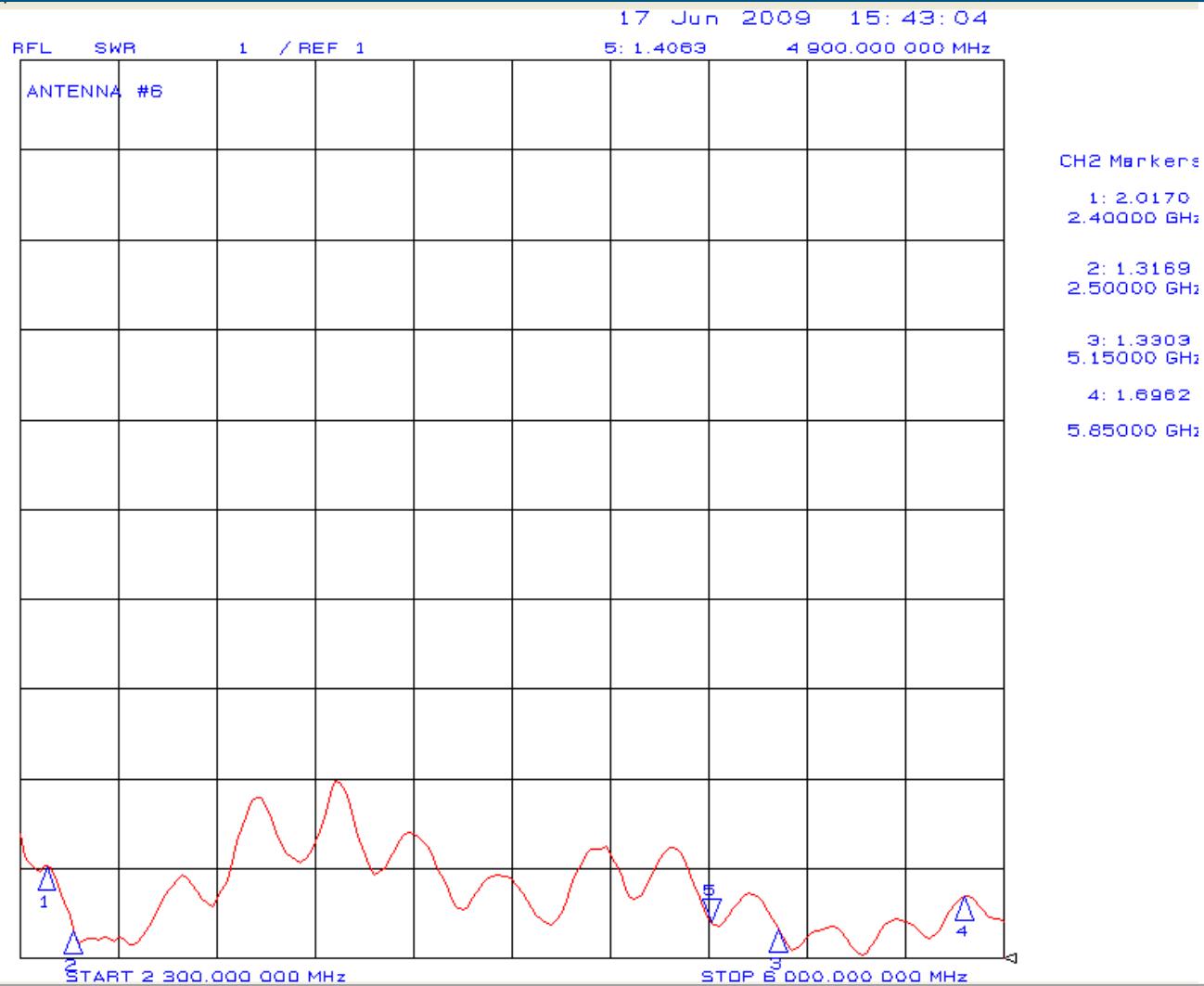


Antenna 5 Azimuth Horizontal Polarization

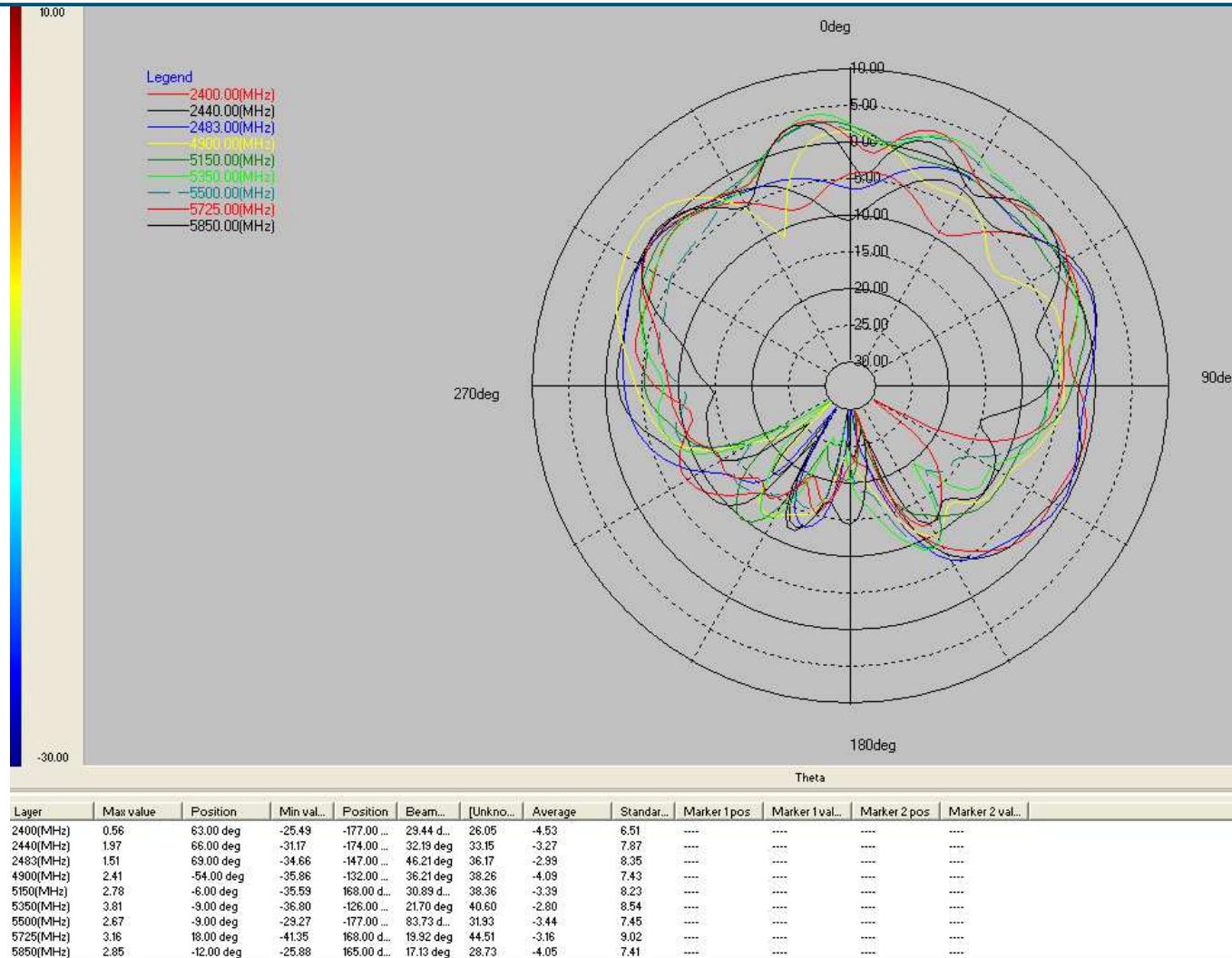


Layer	Max value	Position	Min val...	Position	Beam...	Unkn...	Average	Standar...	Marker 1 pos	Marker 1 val...	Marker 2 pos	Marker 2 val...
2400(MHz)	-5.83	354.00 deg	-30.31	60.00 d...	----	24.48	-10.83	5.69	69.45 deg	-16.54	----	----
2440(MHz)	-5.54	24.00 deg	-32.75	321.00 d...	20.64 d...	27.21	-11.03	5.70	69.45 deg	-17.64	69.45 deg	0.00
2483(MHz)	-4.98	210.00 deg	-27.18	198.00 d...	25.27 d...	22.21	-10.87	5.27	69.45 deg	-19.33	69.45 deg	0.00
4900(MHz)	-5.86	228.00 deg	-39.57	298.00 ...	18.51 deg	33.70	-10.64	5.43	69.45 deg	-18.44	69.45 deg	0.00
5150(MHz)	-5.95	18.00 deg	-28.47	288.00 ...	20.67 d...	22.52	-11.34	4.44	69.45 deg	-20.60	69.45 deg	0.00
5350(MHz)	-7.62	357.00 deg	-29.26	258.00 ...	----	21.64	-12.04	4.93	69.45 deg	-17.09	69.45 deg	0.00
5500(MHz)	-5.49	357.00 deg	-35.42	276.00 ...	----	29.93	-10.79	5.48	69.45 deg	-11.51	69.45 deg	0.00
5725(MHz)	-6.57	9.00 deg	-32.95	267.00 ...	11.92 deg	26.39	-11.74	4.46	69.45 deg	-14.10	69.45 deg	0.00
5850(MHz)	-4.95	9.00 deg	-31.10	99.00 d...	14.07 deg	26.14	-11.12	4.67	69.45 deg	-11.71	69.45 deg	0.00

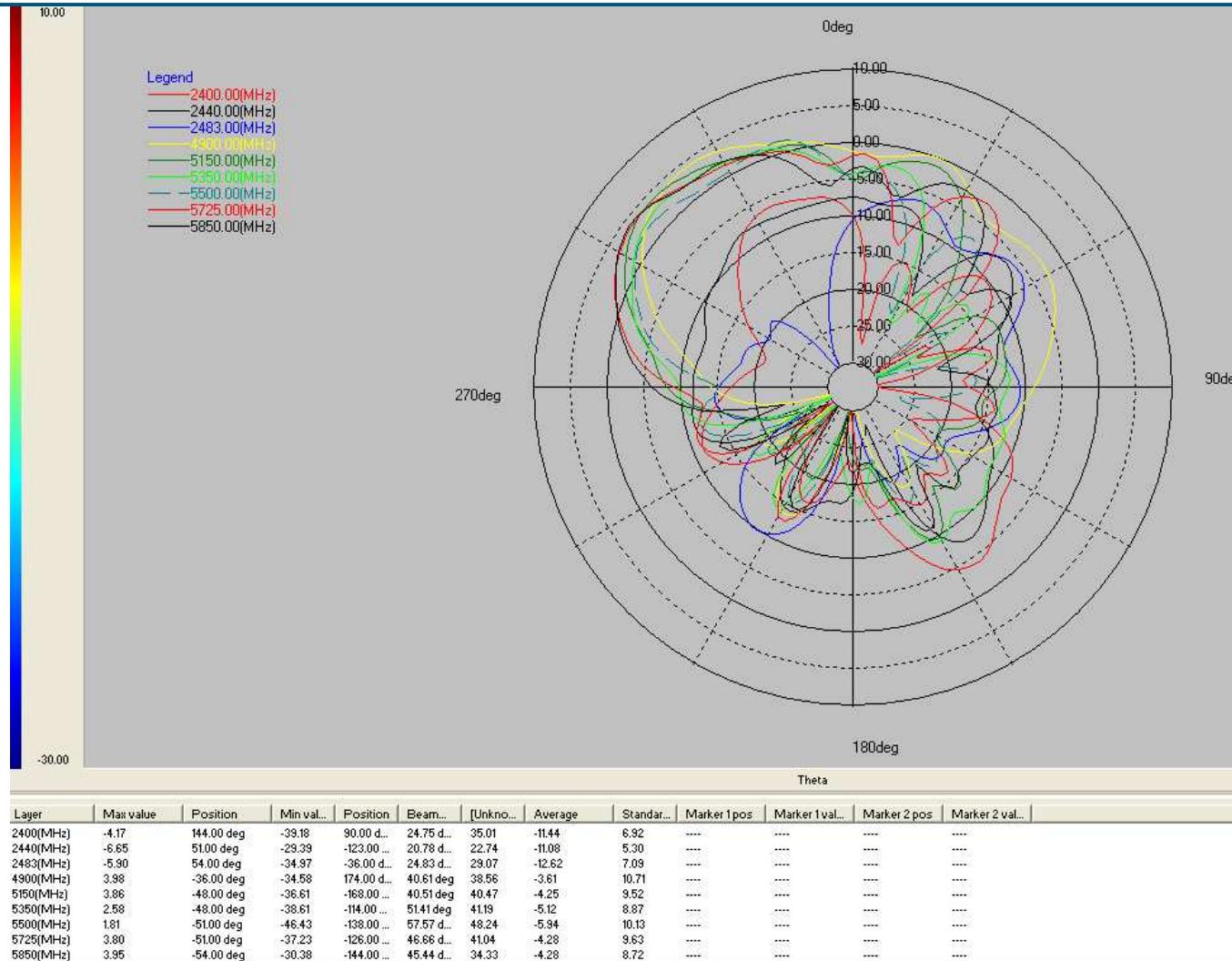
Antenna 6 VSWR



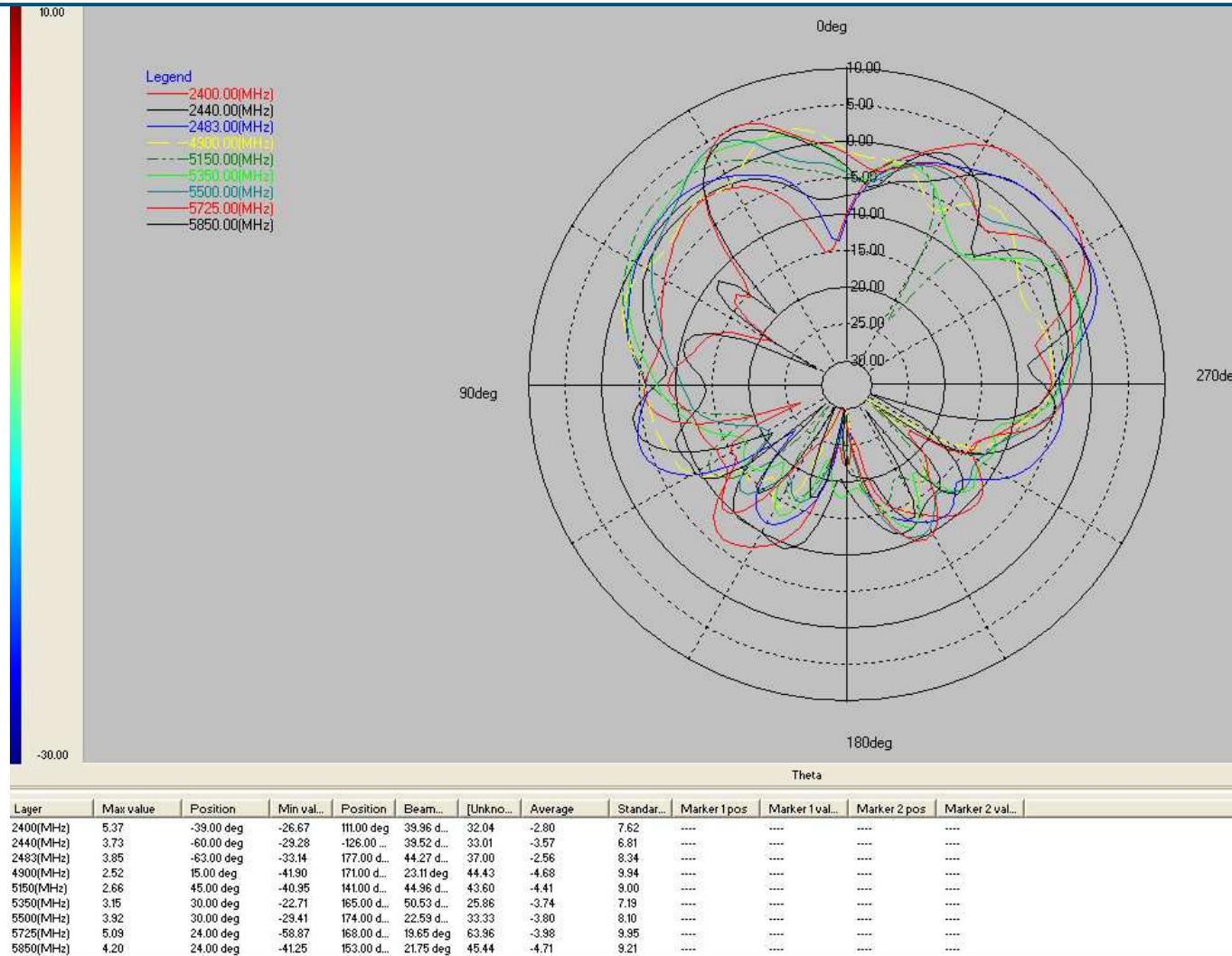
Antenna 6 Elevation 1 Vertical Polarization



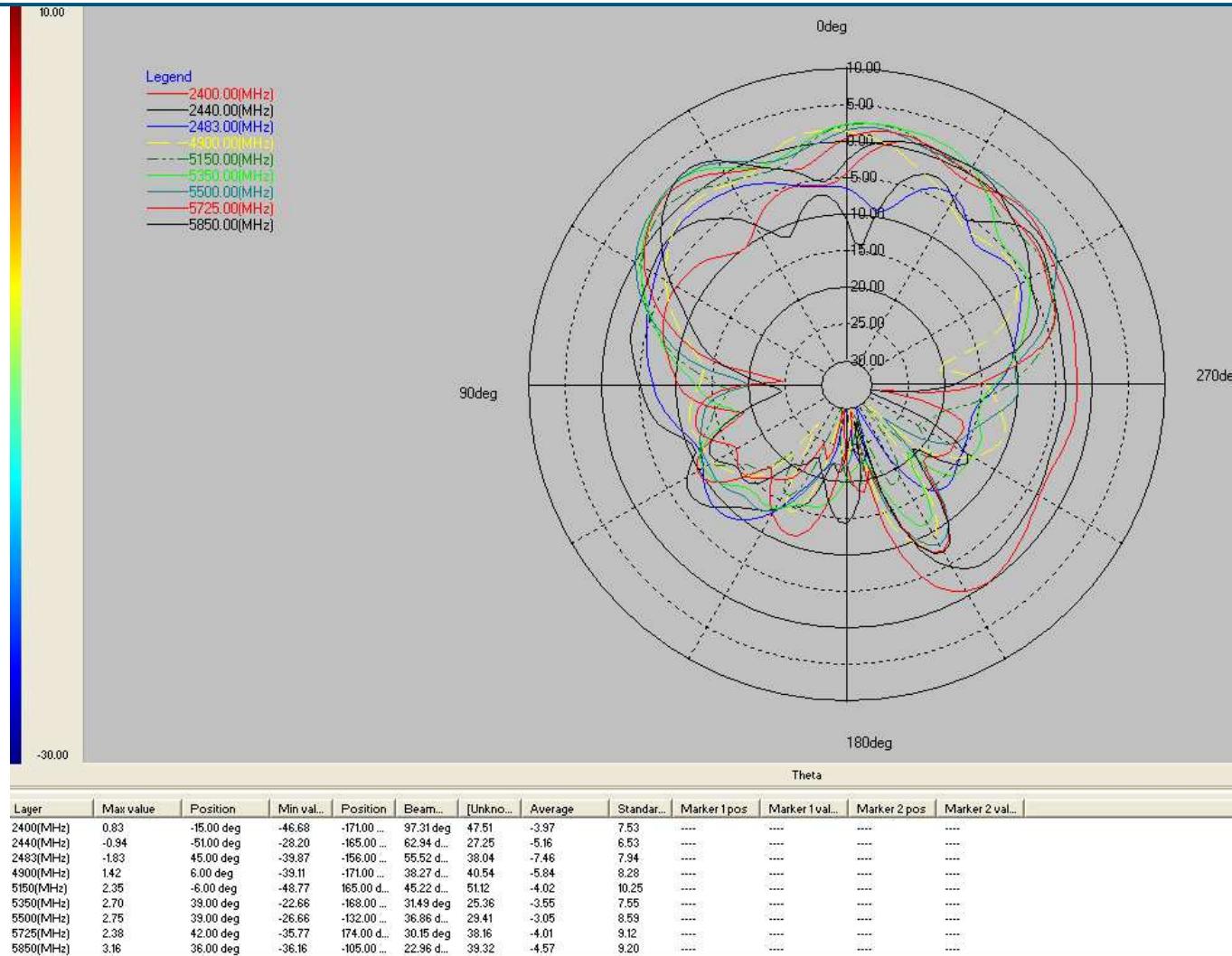
Antenna 6 Elevation 1 Horizontal Polarization



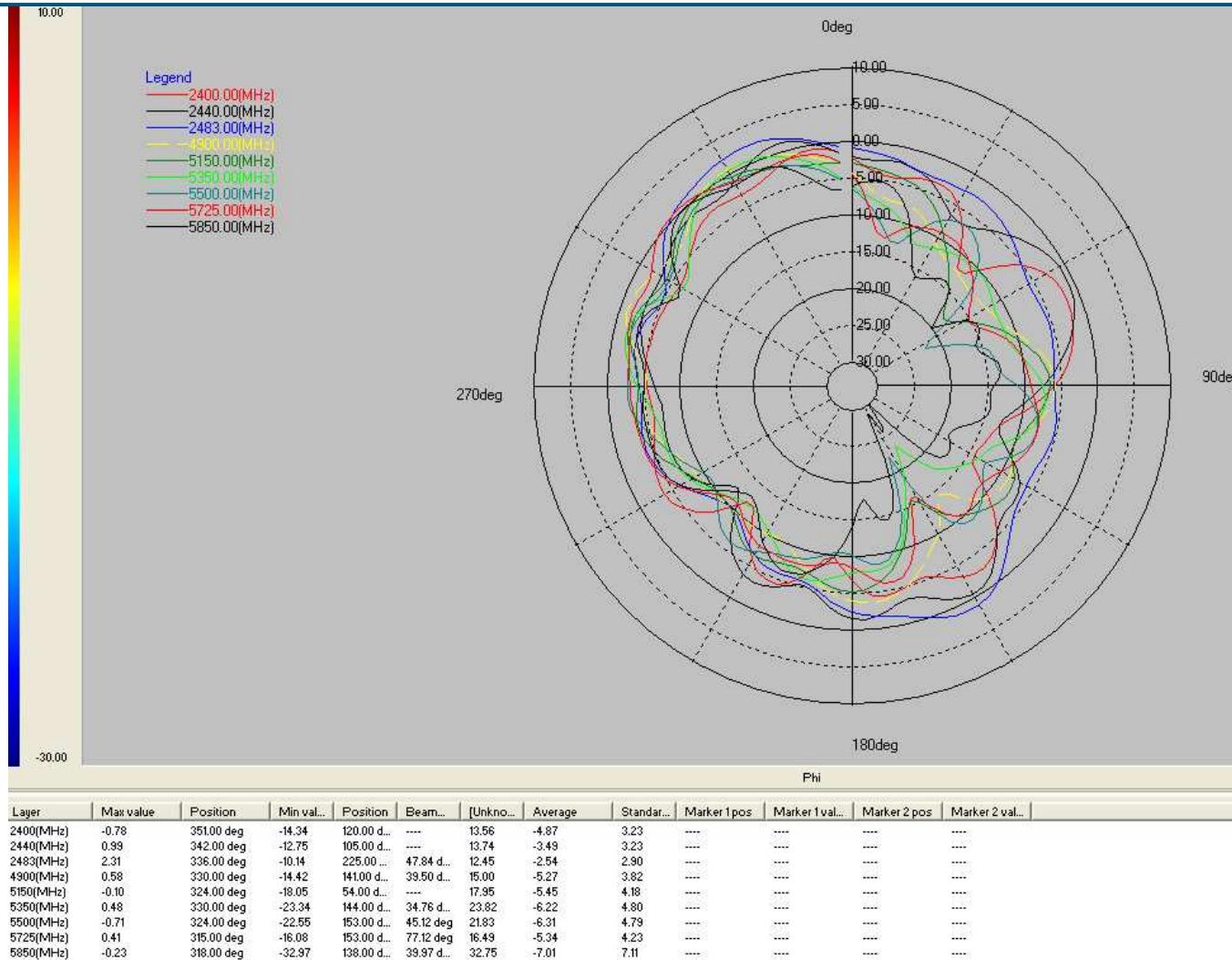
Antenna 6 Elevation 2 Vertical Polarization



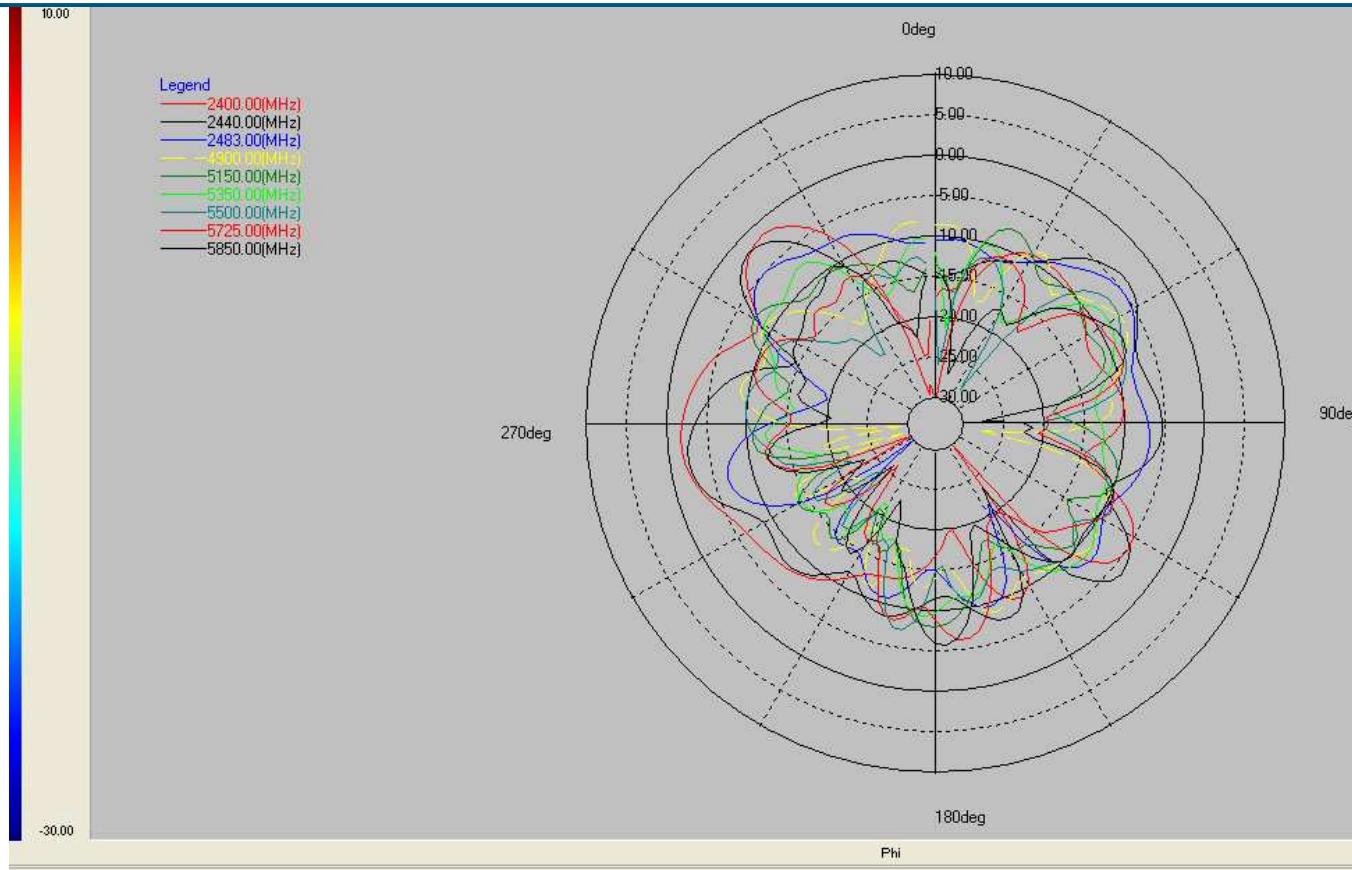
Antenna 6 Elevation 2 Horizontal Polarization



Antenna 6 Azimuth Vertical Polarization



Antenna 6 Azimuth Horizontal Polarization



Layer	Max value	Position	Min val...	Position	Beam...	[Unkno...	Average	Standar...	Marker 1pos	Marker 1val...	Marker 2 pos	Marker 2 val...
2400(MHz)	-1.77	264.00 deg	-39.18	0.00 deg	38.25 d...	37.40	-7.62	7.41	---	---	---	---
2440(MHz)	-2.12	312.00 deg	-23.49	144.00 d...	19.11 deg	21.37	-7.08	3.91	---	---	---	---
2483(MHz)	-4.96	57.00 deg	-32.21	231.00 d...	34.18 deg	27.25	-9.19	4.42	---	---	---	---
4900(MHz)	-6.90	63.00 deg	-29.09	264.00 ...	26.80 d...	22.19	-11.34	4.42	---	---	---	---
5150(MHz)	-7.49	300.00 deg	-22.06	249.00 ...	19.95 deg	14.57	-11.87	3.21	---	---	---	---
5350(MHz)	-7.70	318.00 deg	-21.69	213.00 d...	33.17 deg	13.99	-11.88	3.26	---	---	---	---
5500(MHz)	-6.91	57.00 deg	-28.28	36.00 d...	32.14 deg	21.37	-12.25	4.42	---	---	---	---
5725(MHz)	-6.35	171.00 deg	-32.16	243.00 ...	16.21 deg	25.81	-12.59	4.67	---	---	---	---
5850(MHz)	-5.83	177.00 deg	-27.57	87.00 d...	14.49 deg	21.74	-13.05	4.95	---	---	---	---

Peak Gain by Element/Polarization

	Peak Gain dBi											
	Element 1		Element 2		Element 3		Element 4		Element 5		Element 6	
Freq	V	H	V	H	V	H	V	H	V	H	V	H
2400	5.26	2.35	3.81	-0.2	5.13	-0.34	3.83	-1.68	5.15	1.09	5.37	0.83
2440	4.65	1.21	3.82	0.71	4.04	-0.08	3.52	-1.95	5.41	-0.08	3.73	-0.94
2483	4.55	0.85	3.72	1.08	3.88	0.68	3.54	-3.32	5.12	-0.75	3.95	-1.83
4900	-1.05	-1.54	4.55	1.68	1.99	3.83	3.26	3.17	5.13	2.56	2.52	3.98
5150	2.65	2.46	4.18	0.94	3.38	4.18	2.95	4.22	5.91	1.62	2.78	3.86
5350	3.38	2.41	3.52	0.28	3.57	4.54	3.91	4.12	4.53	0.92	3.81	2.7
5500	4.73	3.85	4.07	0.7	2.44	5.55	2.95	4.13	5.08	1.58	3.92	2.75
5725	2.38	3.67	3.63	3.03	4.36	2.99	4.09	4.2	3.91	2.88	5.09	3.8
5850	3.84	3.83	3.48	3.68	5.52	2.96	4.15	3.74	4.67	3.78	4.2	3.95

Overall Peak Gain

Freq MHz	Gain dBi
2400	5.37
2440	5.41
2483	5.12
4900	4.55
5150	5.91
5350	4.53
5500	5.55
5725	5.09
5850	5.52

Appendix F Test Configuration Photographs

