

Dynamic Frequency Selection Test Report

EUT Name: Wireless Video Access Point

Model No.: 405

CFR 47 Part 15.407(h) 2013 and FCC (MO&O) 06-96

Prepared for:

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0	06/20/2013	Original Document	N/A
1	09/09/2013	Added 20 MHz Detection Bandwidth Data	J. Luong

Note: Latest revision report will replace all previous reports.

Statement of Compliance

Manufacturer: Pace Americas
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Requester / Applicant: Mark Rieger
Name of Equipment: Wireless Video Access Point
Model No. 405
Type of Equipment: Intentional Radiator
Application of Regulations: CFR 47 Part 15.407(h) 2013 and FCC (MO&O) 06-96
Test Dates: June 3, 2013 to August 28, 2013

Guidance Documents:

Dynamic Frequency Selection: CFR47 Part 2 and 15.407(h), FCC 06-96 (MO&O)

Test Methods:

Dynamic Frequency Selection: CFR47 Part 2 and 15.407(h), FCC 06-96 (MO&O)

The Dynamic Frequency Selection test and documented data described in this report has been performed and recorded by TUV Rheinland, in accordance with the standards and procedures listed herein. As the responsible authorized agent of the EMC laboratory, I hereby declare that the equipment described above has been shown to be compliant with the EMC requirements of the stated regulations and standards based on these results. If any special accessories and/or modifications were required for compliance, they are listed in the Executive Summary of this report.

This report must not be used to claim product endorsement by A2LA or any agency of the U.S. Government. This report contains data that are not covered by A2LA accreditation. This report shall not be reproduced except in full, without the written authorization of TUV Rheinland of North America.



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June 20, 2013
Date



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CANADA**

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US5254

2932M-1

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1 Executive Summary

1.1 Scope

This report is intended to document the status of conformance with the requirements of the CFR 47 Part 15.407(h) 2013 and FCC (MO&O) 06-96 based on the results of testing performed on 3 June 2013 through 28 August 2013 on the Wireless Video Access Point Model 405 manufactured by Pace Americas. This report only applies to the specific samples tested under the stated test conditions. It is the responsibility of the manufacturer to assure that additional production units of this model are manufactured with identical or EMI equivalent electrical and mechanical components. This report is further intended to document changes and modifications to the EUT throughout its life cycle. All documentation will be included as a supplement.

1.2 Purpose

Testing was performed to evaluate the dynamic frequency selection performance of the Wireless Video Access Point in accordance with the applicable requirements, procedures, and criteria defined in the application of regulations and application of standards listed in this report.

1.3 Summary of Test Results

Table 1: Summary of Test Results for Master Device Mode

Requirements	Test Method FCC 06-96	Description	Test Parameters	Measured Value	Result
20 MHz Bandwidth					
Detection Threshold	Sect. 7.8.1	EUT Min. Detection Level	-64 dBm \geq 200 mW -62 dBm <200 mW	-59.5 dBm	Complied
Detection Bandwidth	Sect. 7.8.1	U-NII Detection Bandwidth	Min 80% of 99%Ch. Pwr.	18 MHz	Complied
Performance Requirements Check	Sect. 7.8.2.1	Initial Channel Check	60s	32.37 s after power up.	Complied
	Sect. 7.8.2.2	Burst Radar at the beginning	150s (2.5min)	Inject at 34.80 seconds	Complied
	Sect. 7.8.2.3	Burst Radar at the End	150s (2.5min)	Inject at 89.02 seconds	Complied
In-Service Monitoring	Sect. 7.8.3	Channel Moving Time	10s	118 ms	Complied
		Channel Closing Time	200 ms + an agg. Of 60 ms over remaining 10s.	3.5 ms	Complied
		Non-Occupancy Period	30min.	> 30 min.	Complied
Radar Statistic Performance Check	Sect. 7.8.4	Waveform 1 - 4 Detections	60% in 30 trials 80% of Aggregate	Type 1 – 90.0% Type 2 – 83.3% Type 3 – 93.3% Type 4 – 83.3% Aggre.1- 4 – 87.5%	Complied
		Waveform 5 Detections	80% in 30 trials	Type 5 – 93.3%	
		Waveform 6 Detections	70% in 30 trials	Type 6 – 90.0%	
Transmit Power Control	CFR47 15.407 (h)(1)		6 dB below 30 dBm EIRP or less than 500 mW.	Manufacturer's Statement	Complied
Uniform Spreading	CFR47 15.407 (h)(2)		Manufacturer's Statement		Complied
40 MHz Bandwidth					
Detection Threshold	Sect. 7.8.1	EUT Min. Detection Level	-64 dBm \geq 200 mW -62 dBm <200 mW	-59.5 dBm	Complied
Detection Bandwidth	Sect. 7.8.1	U-NII Detection Bandwidth	Min 80% of 99%Ch. Pwr.	30 MHz	Complied
Performance Requirements Check	Sect. 7.8.2.1	Initial Channel Check	60s	32.42 s after power up.	Complied
	Sect. 7.8.2.2	Burst Radar at the beginning	150s (2.5min)	34.33 second	Complied
	Sect. 7.8.2.3	Burst Radar at the End	150s (2.5min)	89.94 second	Complied
In Service Monitoring	Sect. 7.8.3	Channel Moving Time	10s	143.0 ms	Complied

In-Service Monitoring	Sect. 7.8.3	Channel Closing Time	200 ms + an agg. Of 60 ms over remaining 10s.	5.0 ms	Complied
		Non-Occupancy Period	30min.	> 30 min.	Complied
Radar Statistic Performance Check	Sect. 7.8.4	Waveform 1 - 4 Detections	60% in 30 trials 80% of Aggregate	Type 1 – 100% Type 2 – 96.7% Type 3 – 86.7% Type 4 – 80.0% Aggre.1- 4 – 90.8%	Complied
		Waveform 5 Detections	80% in 30 trials	Type 5 – 93.3%	
		Waveform 6 Detections	70% in 30 trials	Type 6 – 90.0%	
Transmit Power Control	CFR47 15.407 (h)(1)		6 dB below 30 dBm EIRP or less than 500 mW.	Manufacturer's Statement	Complied
Uniform Spreading	CFR47 15.407 (h)(2)		Manufacturer's Statement		Complied

Table 2: Summary of Test Results for Slave Device Mode

Requirements	Test Method FCC 06-96	Description	Test Parameters	Measured Value	Result
Detection Threshold	Sect. 7.8.1	EUT Min. Detection Level	-64 dBm \geq 200 mW -62 dBm <200 mW		NA
Detection Bandwidth	Sect. 7.8.1	U-NII Detection Bandwidth	Min 80% of 99% Ch. Pwr.		NA
Performance Requirements Check	Sect. 7.8.2.1	Initial Channel Check	60s		NA
	Sect. 7.8.2.2	Burst Radar at the beginning	150s (2.5min)		NA
	Sect. 7.8.2.3	Burst Radar at the End	150s (2.5min)		NA
In-Service Monitoring	Sect. 7.8.3	Channel Moving Time	10s	102.0 ms	Complied
		Channel Closing Time	200 ms + an agg. Of 60 ms over remaining 10s.	4.5 ms	Complied
		Non-Occupancy Period	30min.		NA
Radar Statistic Performance Check	Sect. 7.8.4	Waveform 1 - 4 Detections	60% in 30 trials 80% of Aggregate		NA
		Waveform 5 Detections	80% in 30 trials		
		Waveform 6 Detections	70% in 30 trials		
Transmit Power Control	CFR47 15.407 (h)(1)		6 dB below 30 dBm EIRP or less than 500 mW.		NA
Uniform Spreading	CFR47 15.407 (h)(2)		Manufacturer's Statement		NA
Note: There is no radar detection capability when EUT in the slave mode.					

1.4 Special Accessories

No special accessories were necessary in order to achieve compliance.

1.5 Equipment Modifications

None.

2 Laboratory Information

2.1 Accreditations & Endorsements

2.1.1 US Federal Communications Commission



TUV Rheinland of North America at 1279 Quarry Ln, Pleasanton, CA 94566 is recognized by the commission for performing testing services for the general public on a fee basis. These laboratory test facilities have been fully described in reports submitted to and accepted by the FCC (US5254). The laboratory scope of accreditation includes: Title 47 CFR Parts 15, 18, and 90. The accreditation is updated every 3 years.

2.1.2 A2LA



TUV Rheinland of North America is accredited by the National Voluntary Laboratory Accreditation Program, which is administered under the auspices of the National Institute of Standards and Technology. The laboratory has been assessed and accredited in accordance with ISO Guide 17025:2005 and ISO 9002 (Lab Code US5254). The scope of laboratory accreditation includes emission and immunity testing. The accreditation is updated annually.

2.1.3 Canada – Industry Canada



TUV Rheinland of North America at the 1279 Quarry Ln, Pleasanton, CA 94566 address is accredited by Industry Canada for performing testing services for the general public on a fee basis. This laboratory test facilities have been fully described in reports submitted to and accepted by Industry Canada (File Number 2932M-1). This reference number is the indication to the Industry Canada Certification Officers that the site meets the requirements of RSS 212, Issue 1 (Provisional). The accreditation is updated every 3 years.

2.1.4 Japan – VCCI



The Voluntary Control Council for Interference by Information Technology Equipment (VCCI) is a group that consists of Information Technology Equipment (ITE) manufacturers and EMC test laboratories. The purpose of the Council is to take voluntary control measures against electromagnetic interference from Information Technology Equipment, and thereby contribute to the development of a socially beneficial and responsible state of affairs in the realm of Information Technology Equipment in Japan. TUV Rheinland of North America at 1279 Quarry Ln, Pleasanton, CA 94566 has been assessed and approved in accordance with the Regulations for Voluntary Control Measures.

VCCI Registration No. for Pleasanton: A-0031

VCCI Registration No. for Santa Clara: A-0032

2.1.5 Acceptance by Mutual Recognition Arrangement



The United States has an established agreement with specific countries under the Asia Pacific Laboratory Accreditation Corporation (APLAC) Mutual Recognition Arrangement. Under this agreement, all TUV Rheinland at 1279 Quarry Lane, Pleasanton, CA 94566 test results and test reports within the scope of the laboratory A2LA accreditation will be accepted by each member country.

2.2 Test Facilities

All of the test facilities are located at 1279 Quarry Lane, Pleasanton, California 94566, USA. The 2305 Mission College, Santa Clara, 95054, USA location is considered a Pleasanton annex.

2.2.1 Emission Test Facility

The Semi-Anechoic chamber and AC Line Conducted measurement facility used to collect the radiated and conducted data has been constructed in accordance with ANSI C63.7:1992. The site has been measured in accordance with and verified to comply with the theoretical normalized site attenuation requirements of ANSI C63.4-2009, at a test distance of 3 and 5 meters. The site is listed with the FCC and accredited by A2LA (Lab Code US5254). The 3/5-meter semi-anechoic chamber used to collect the radiated data has been verified to comply with the theoretical normalized site attenuation requirements of ANSI C63.4-2009, at a test distance of 3 meter and 5 meters. A report detailing this site can be obtained from TUV Rheinland of North America.

2.2.2 Immunity Test Facility

ESD, EFT, Surge, PQF: These tests are performed in an environmentally controlled room with a 3.7 m x 4.8 m x 3.175 mm thick aluminum floor connected to PE ground.

For ESD testing, tabletop equipment is placed on an insulated mat with a surface resistivity of 10^9 Ohms/square on a 1.6 m x 0.8 m x 0.8 m high non-conductive table with a 3.175 mm aluminum top (Horizontal Coupling Plane). The HCP is connected to the main ground plane via a low impedance ground strap through two 470-k Ω resistors. The Vertical Coupling Plane consists of an aluminum plate 50 cm x 50 cm x 3.175 mm thick. The VCP is connected to the main ground plane via a low impedance ground strap through two 470-k Ω resistors.

For EFT, Surge, PQF, the HCP and VCP are removed.

RF Field Immunity testing is performed in a 7.3m x 4.3m x 4.1m anechoic chamber.

RF Conducted and Magnetic Field Immunity testing is performed on a 4.8m x 3.7m x 3.175mm thick aluminum ground plane.

All test areas allow a minimum distance of 1 meter from the EUT to walls or conducting objects.

2.3 Measurement Uncertainty

Two types of measurement uncertainty are expressed in this report, per *ISO Guide To The Expression Of Uncertainty In Measurement*, 1st Edition, 1995.

The Combined Standard Uncertainty is the standard uncertainty of the result of a measurement when that result is obtained from the values of a number of other quantities; it is equal to the positive square root of the sum of the variances or co-variances of these other quantities, weighted according to how the measurement result varies with changes in these quantities. The term *standard uncertainty* is the result of a measurement expressed as a standard deviation.

2.3.1 Sample Calculation – radiated & conducted emissions

The field strength is calculated by subtracting the Amplifier Gain and adding the Cable Loss and Antenna Correction Factor to the measured reading. The basic equation is as follows:

$$\text{Field Strength (dB}\mu\text{V/m)} = \text{RAW} - \text{AMP} + \text{CBL} + \text{ACF}$$

Where: RAW = Measured level before correction (dB μ V)

AMP = Amplifier Gain (dB)

CBL = Cable Loss (dB)

ACF = Antenna Correction Factor (dB/m)

$$\mu\text{V/m} = 10^{\frac{\text{dB}\mu\text{V/m}}{20}}$$

Sample radiated emissions calculation @ 30 MHz

Measurement +Antenna Factor–Amplifier Gain+Cable loss=Radiated Emissions (dBuV/m)

$$25 \text{ dBuV/m} + 17.5 \text{ dB} - 20 \text{ dB} + 1.0 \text{ dB} = 23.5 \text{ dBuV/m}$$

2.3.2 Measurement Uncertainty

Per CISPR 16-4-2	U _{lab}	U _{cispr}
Radiated Disturbance @ 10 meters		
30 – 1,000 MHz	2.25 dB	4.51 dB
Radiated Disturbance @ 3 meters		
30 – 1,000 MHz	2.26 dB	4.52 dB
1 – 6 GHz	2.12 dB	4.25 dB
6 – 18 GHz	2.47 dB	4.93 dB

Conducted Disturbance @ Mains Terminals		
150 kHz – 30 MHz	1.09 dB	2.18 dB
Disturbance Power		
30 MHz – 300 MHz	3.92 dB	4.3 dB

Voltech PM6000A

The estimated combined standard uncertainty for harmonic current and flicker measurements is $\pm 5.0\%$.	Per CISPR 16-4-2 Methods
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2.3.3 Measurement Uncertainty Immunity

The estimated combined standard uncertainty for ESD immunity measurements is $\pm 8.2\%$.	Per IEC 61000-4-2
The estimated combined standard uncertainty for radiated immunity measurements is ± 4.10 dB.	Per IEC 61000-4-3
The estimated combined standard uncertainty for conducted immunity measurements with CDN is ± 3.66 dB	Per IEC 61000-4-6
The estimated combined standard uncertainty for power frequency magnetic field immunity is $\pm 2.9\%$.	Per IEC 61000-4-8

Thermo KeyTek EMC Pro

The estimated combined standard uncertainty for EFT fast transient immunity measurements is $\pm 2.6\%$.
The estimated combined standard uncertainty for surge immunity measurements is $\pm 2.6\%$.
The estimated combined standard uncertainty for voltage variation and interruption measurements is $\pm 1.74\%$.

The expanded uncertainty at a level of 95% confidence is obtained by multiplying the combined standard uncertainty by a coverage factor of 2. Compliance criteria are not based on measurement uncertainty.

2.4 Calibration Traceability

All measurement instrumentation is traceable to the National Institute of Standards and Technology (NIST). Measurement method complies with ANSI/NCSL Z540-1-1994 and ISO Standard 17025:2005. Equipment calibration records are kept on file at the test facility.

3 Product Information

3.1 Product Description

The Pace 405 Wireless Video Access Point allows service providers to securely deliver high quality HD video to any location in a subscriber home. Using state of the art wireless technology including digital beam forming, customers retain traditional “wired” levels of service and quality while service providers enjoy the benefits of shortened installation times and more flexibility in how they deploy their IPTV or OTT services.

Key Features:

- 5 GHz 802.11a/n wireless access point
- 4x4 MIMO (up to 600 Mbps phy rate)
- High-Power Transmit For Maximum Coverage
- Gigabit Ethernet port
- Robust quality of service (QoS) and traffic management features
- Simple, push-button wireless setup for wireless set-tops
- TR-069 Management Client
- LEDs: Power, Wireless Signal Quality, Operational Mode (AP/STA), Ethernet Link, Wireless Pairing Indicator

See Appendix A for detailed information.

3.2 Equipment Configuration

A description of the equipment configuration is given in the Test Plan Section. The EUT was tested as called for in the test standard and was configured and operated in a manner consistent with its intended use. The EUT was connected to rated power and allowed to reach intended operating conditions. The placement of the EUT system components was guided by the test standard and selected to represent typical installation conditions.

In the case of an EUT that can operate in more than one configuration, preliminary testing was performed to determine the configuration that produced maximum radiation.

The final configuration was selected to produce the worst case radiation for emissions testing and to place the EUT in the most susceptible state for immunity testing.

3.3 Operating Mode

A description of the operation mode is given in the Test Plan Section. In the case of an EUT that can operate in more than one state, preliminary testing was performed to determine the operating mode that produced maximum radiation.

The final operating mode was selected to produce the worst case radiation for emissions testing and to place the EUT in the most susceptible state for immunity testing.

The final operating mode was selected to produce the worst case radiation for emissions testing and to place the EUT in the most susceptible state for immunity testing.

4 Dynamic Frequency Selection

Testing was performed in accordance with CFR47 Part 2 and 15.407(h), FCC 06-96 (MO&O). These test methods are listed under the laboratory's A2LA Scope of Accreditation. This test measures and verifies the characteristics and probability of EUT to switch to different operating channel, once the radar signal is detected. Procedures described in FCC-06-96A1 were used.

4.1 DFS Applicability

All devices operated in the frequency range of 5250 MHz-5350 MHz and 5470 MHz-5725MHz must equip with the DFS mechanism. Base on the operational mode of 405, the following requirements shall apply per FCC-06-96A1 procedures.

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

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

Table 4: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client w/o Radar Detection	Client With Radar Detection
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required	Yes

4.2 DFS Requirements

Base on the applicability of 405, the following parameters and probability must be tested for conformance.

Table 5: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

Maximum Transmit Power	Value
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Table 6: DFS Response Requirement Values

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

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

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

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

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

Table 7: Short Pulse Radar Test Waveforms

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

Table 8: Long Pulse Radar Test Waveform

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

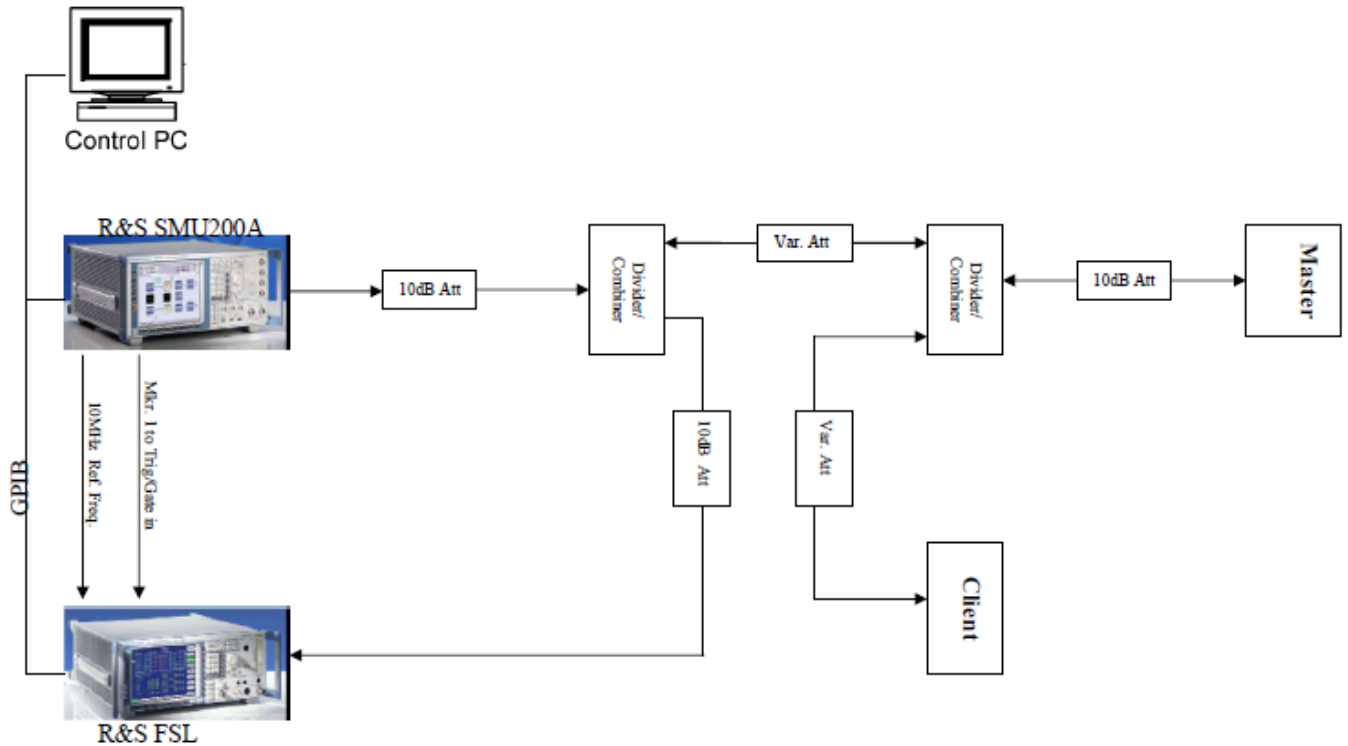
Table 9: Frequency Hopping Radar Test Waveform

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

4.3 Test Setup Protocol

The following test setup was used to evaluate the Wireless Video Access Point Model 405 for DFS conformance.

Dynamic Frequency Selection in 5 GHz Conducted Setup:



4.4 Radar Waveform Verifications

All six radar waveform verified at the 5310 MHz and 5500 MHz center frequency using conducted method. These waveforms were compensated for the path loss as offset on spectrum analyzer.

The radar signal levels must be less than -59.5 dBm of EUT threshold detection.

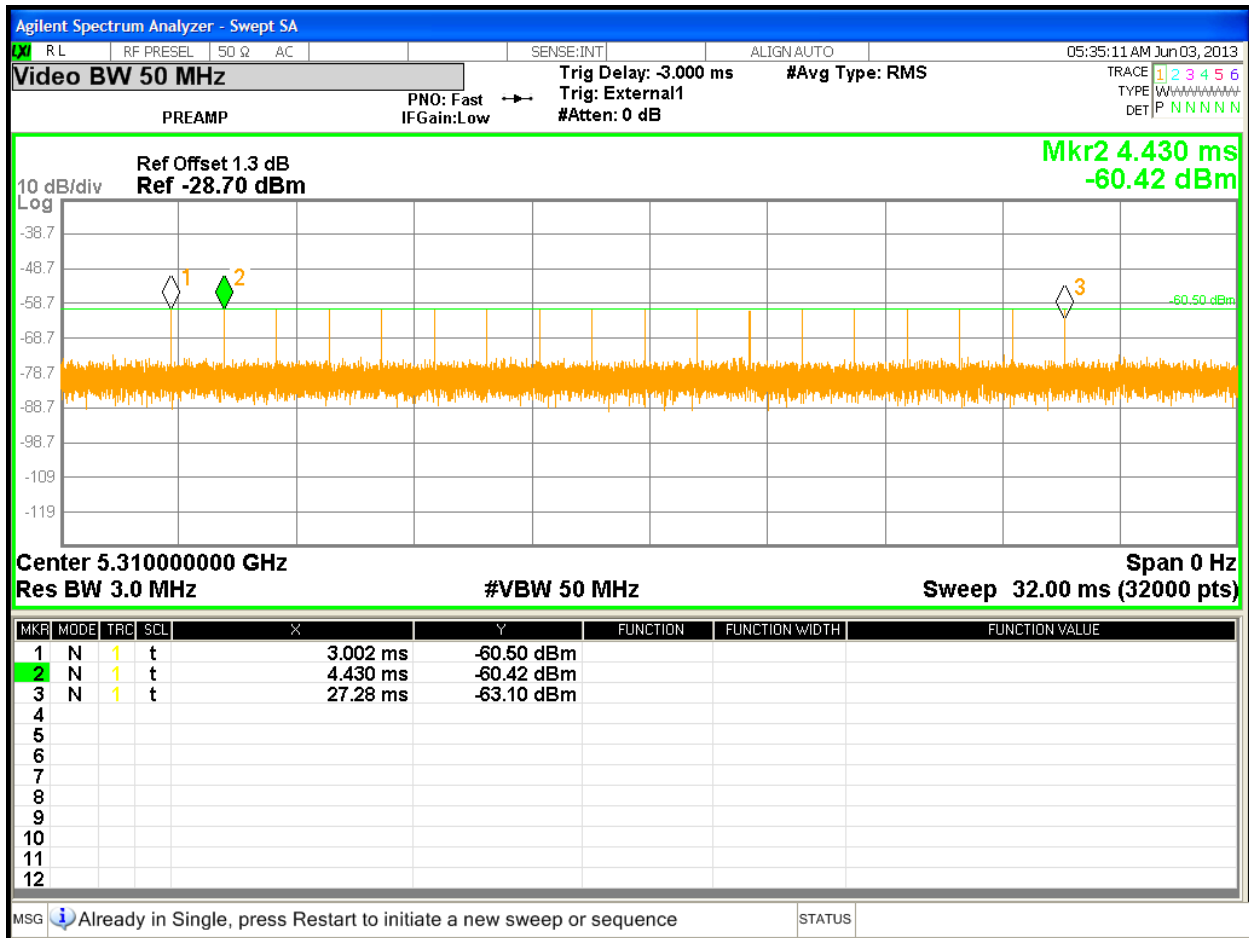


Figure 1: Short Pulse Radar Type 1 at 5310 MHz (1µs Pulse Width, 1428µs PRI, 18 Pulses)

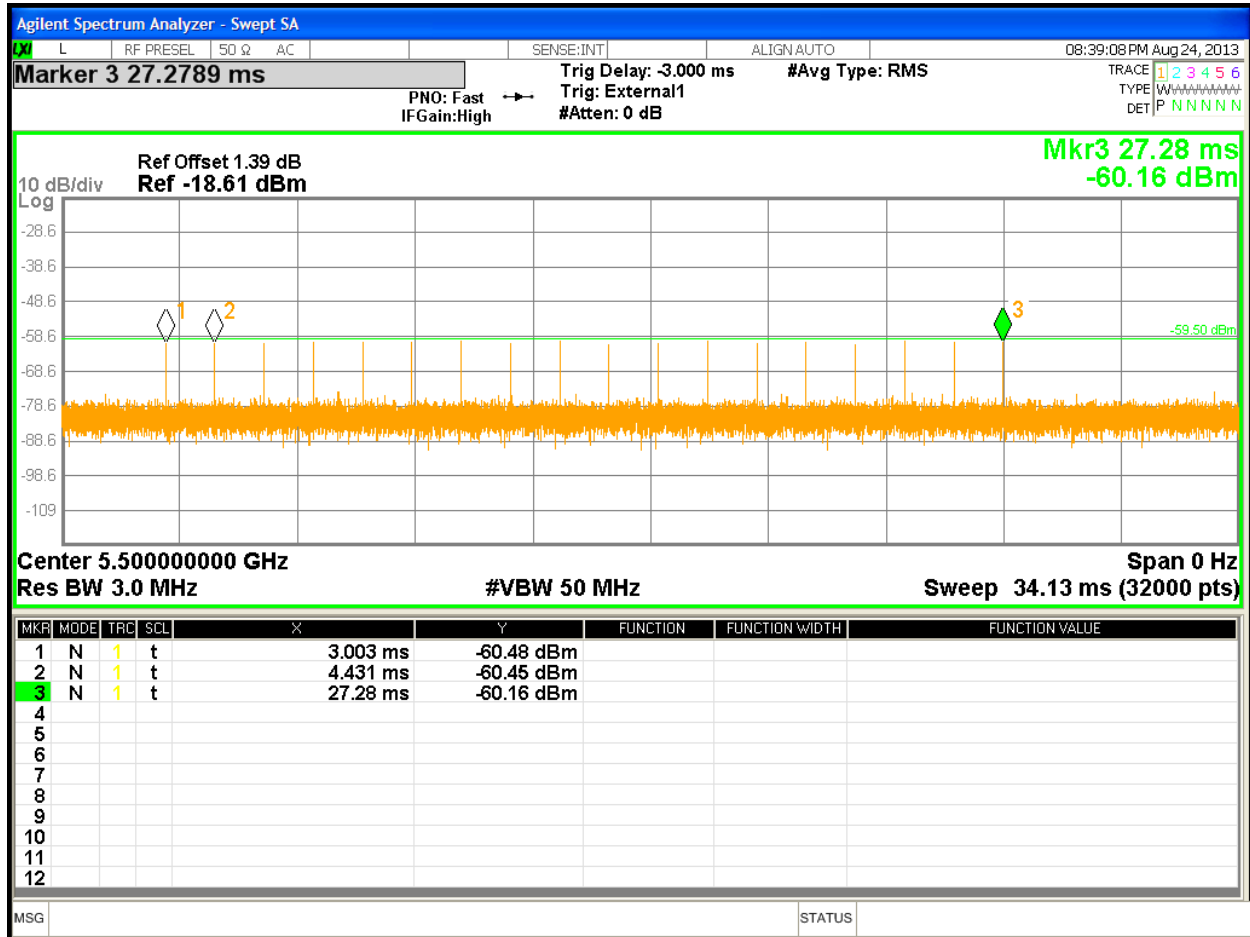


Figure 2: Short Pulse Radar Type 1 at 5500 MHz (1µS Pulse Width, 1428µS PRI, 18 Pulses)

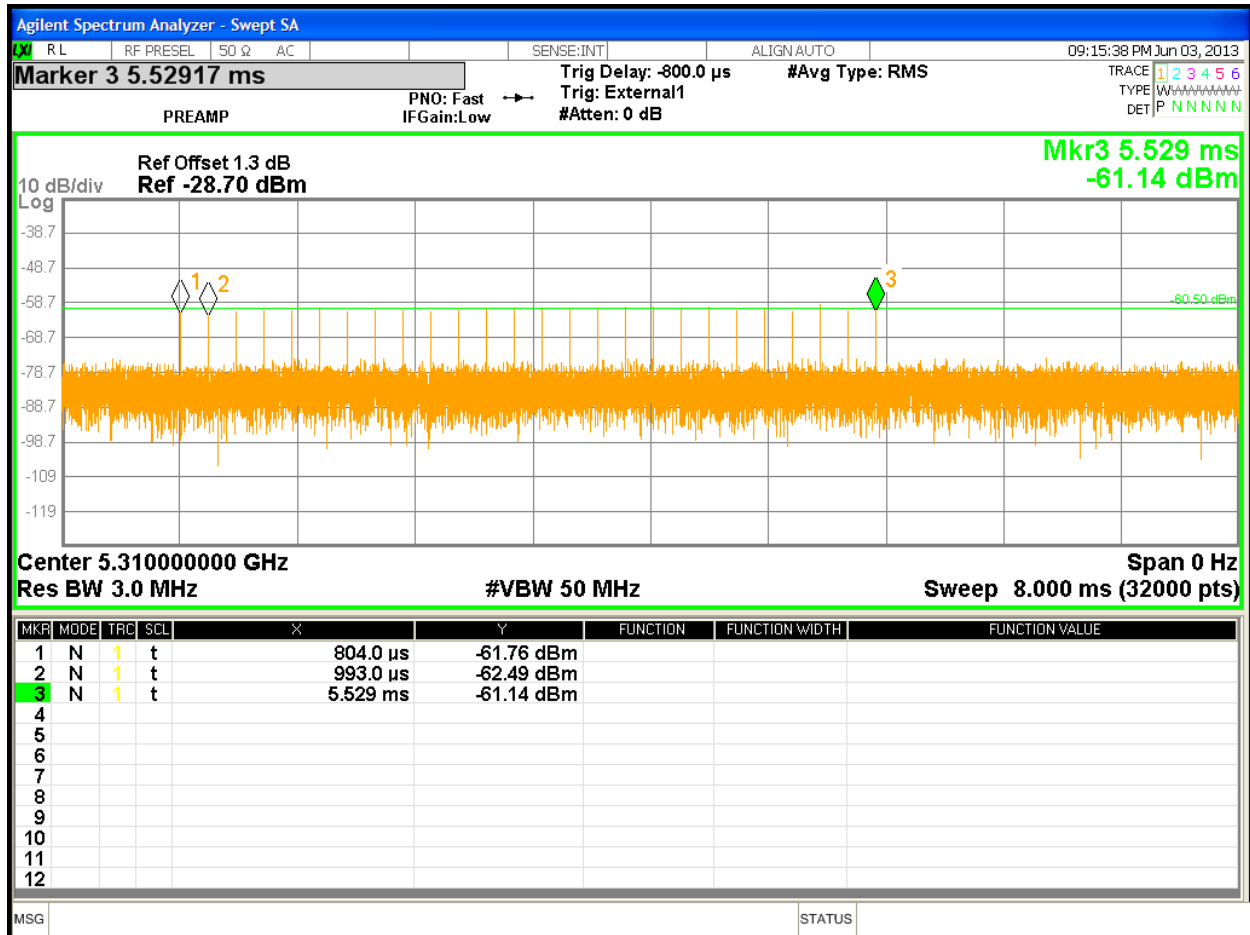


Figure 3: Short Pulse Radar Type 2 at 5310 MHz (1-5μS Pulse Width, 150-230μS PRI, 23-29 Pulses)

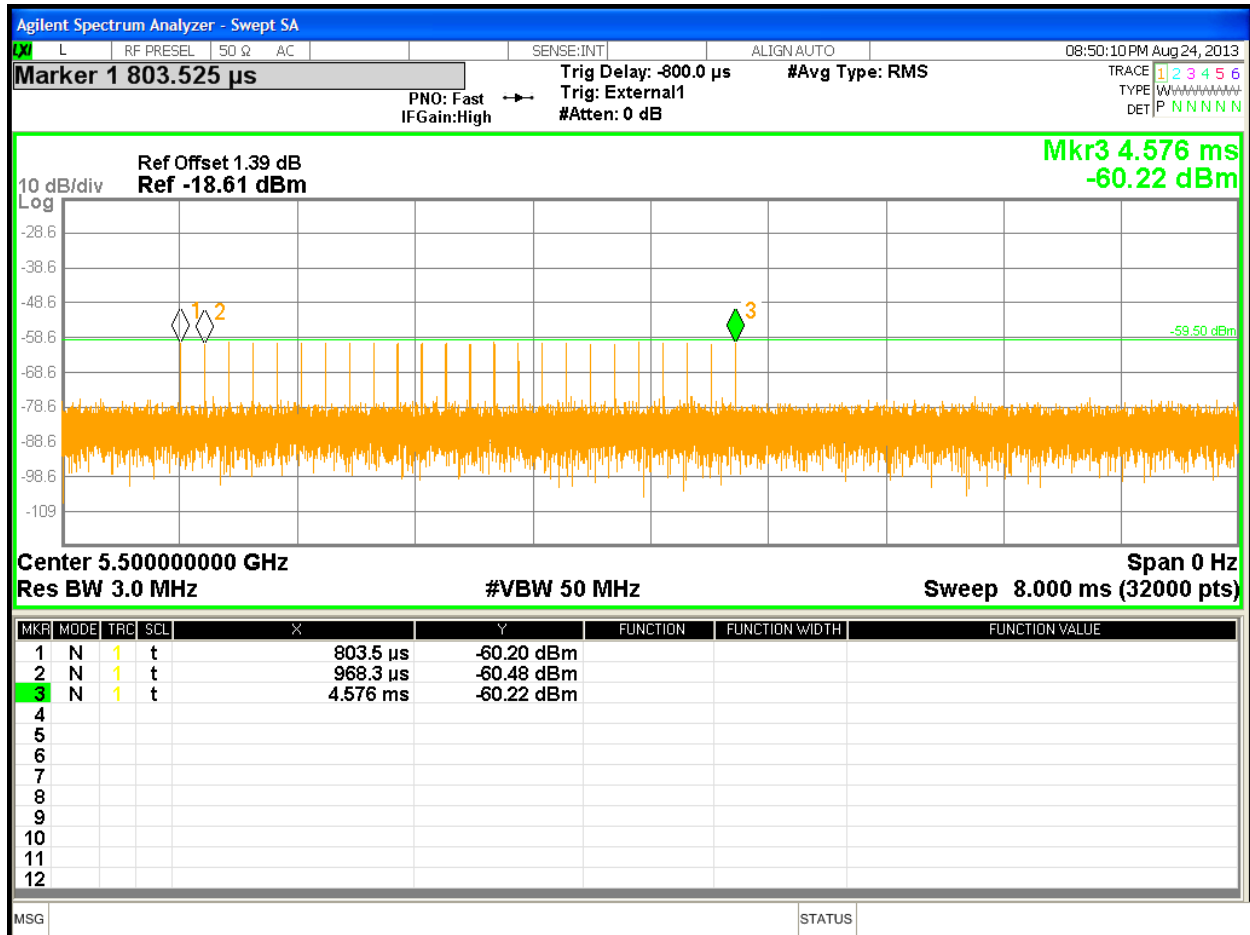


Figure 4: Short Pulse Radar Type 2 at 5500 MHz (1-5 μ s Pulse Width, 150-230 μ s PRI, 23-29 Pulses)

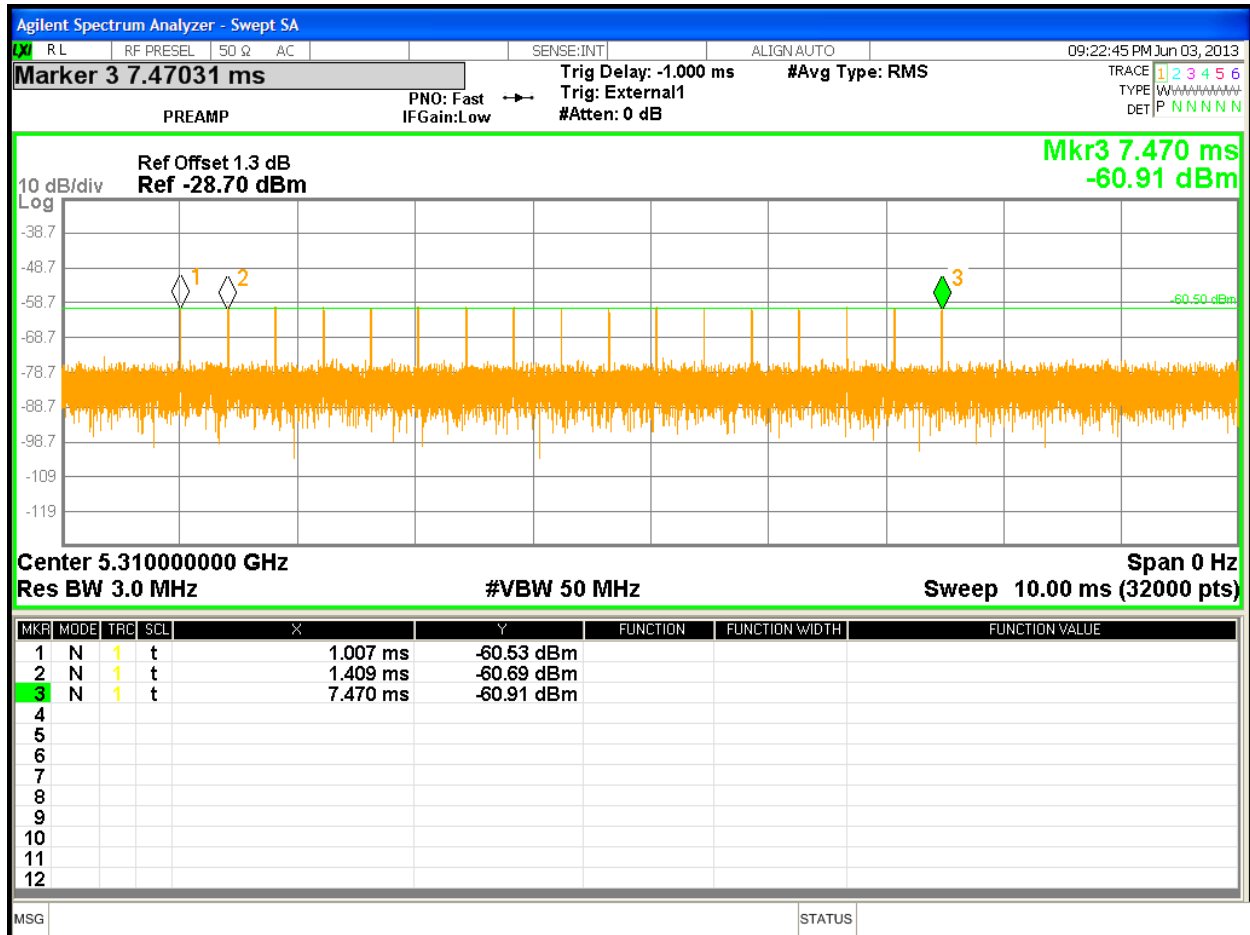


Figure 5: Short Pulse Radar Type 3 at 5310 MHz (6-10µS Pulse Width, 200-500µS PRI, 16-18 Pulses)

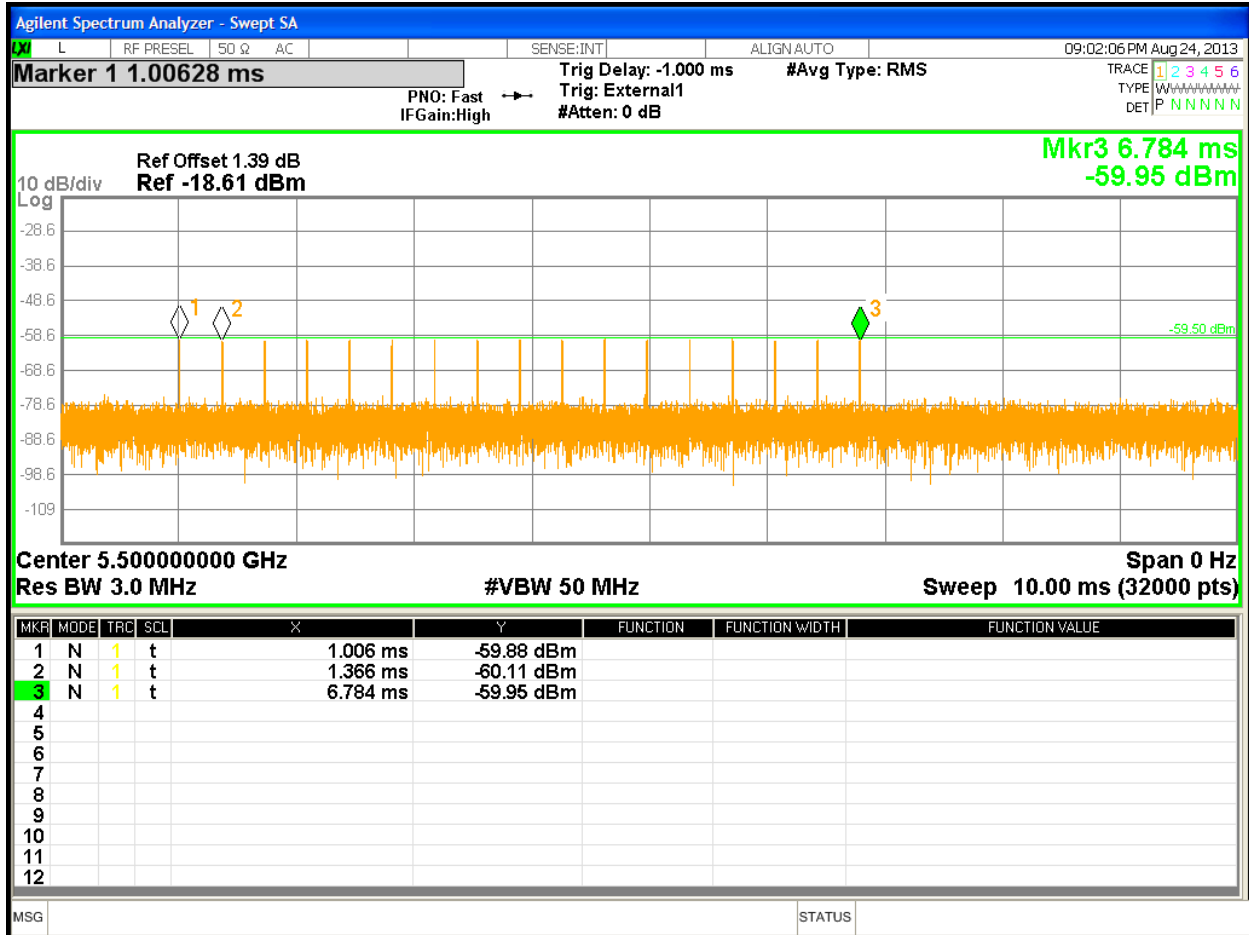


Figure 6: Short Pulse Radar Type 3 at 5500 MHz (6-10µs Pulse Width, 200-500µs PRI, 16-18 Pulses)



Figure 7: Short Pulse Radar Type 4 at 5310 MHz (50-100μS Pulse Width, 1000-2000μS PRI, 12-16 Pulses)



Figure 8: Short Pulse Radar Type 4 at 5500 MHz (50-100 μ S Pulse Width, 1000-2000 μ S PRI, 12-16 Pulses)



Figure 9: Long Pulse Radar Type at 5310 MHz (11-20µs Pulse Width, 200-500µs PRI, 8-20 Bursts)

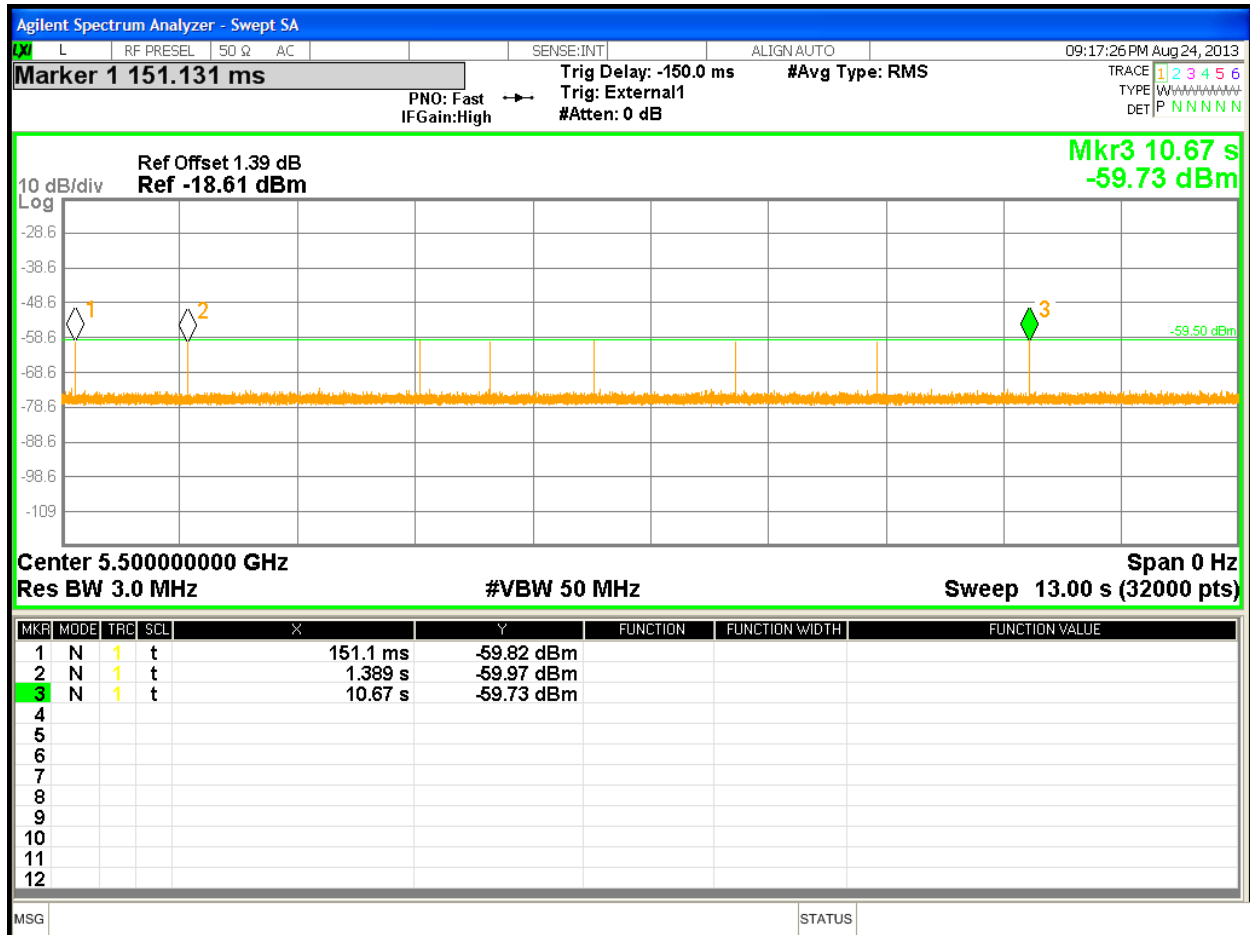


Figure 10: Long Pulse Radar Type at 5500 MHz (11-20µS Pulse Width, 200-500µS PRI, 8-20 Bursts)

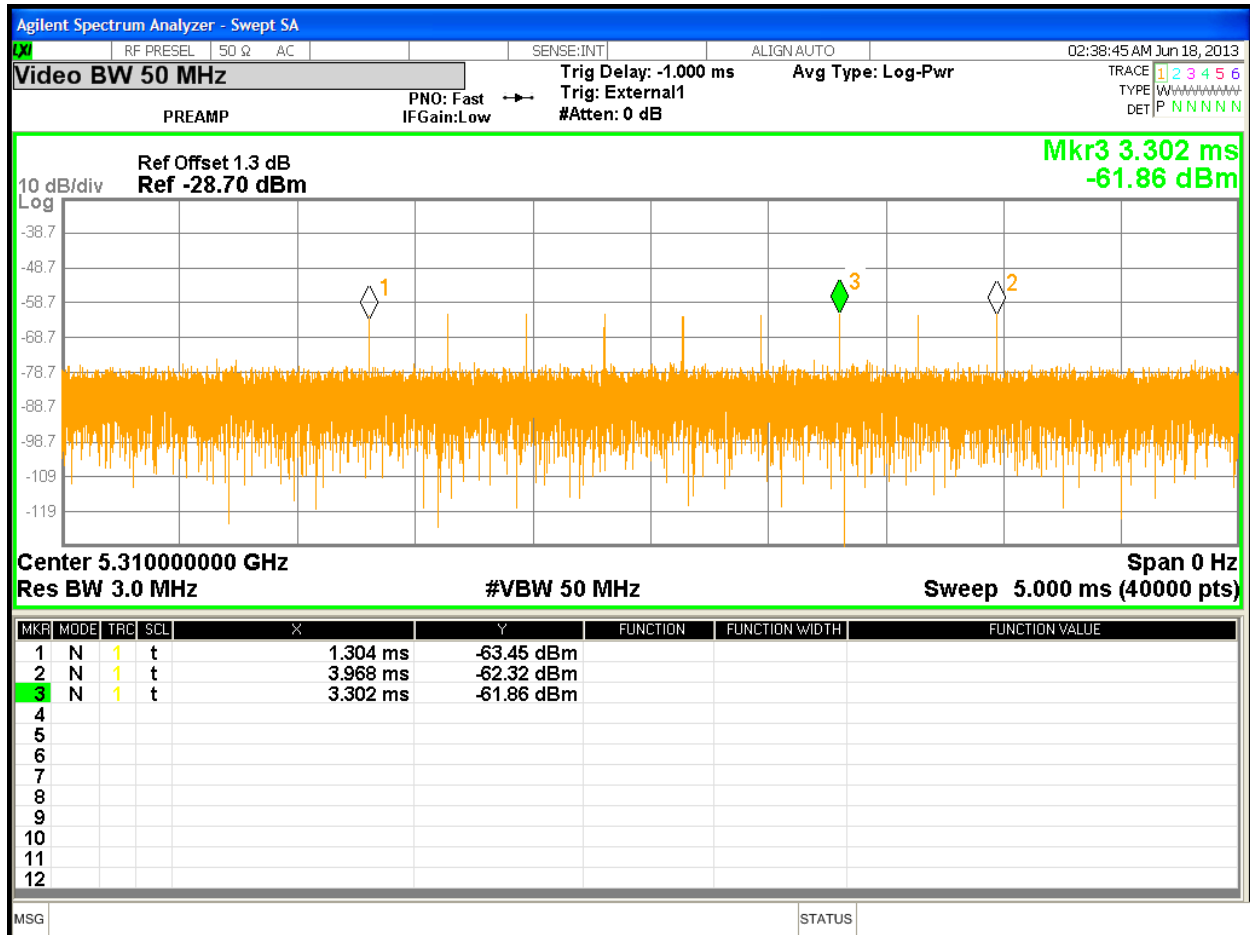


Figure 11: Frequency Hopping Radar Type (9 Pulses in Burst)

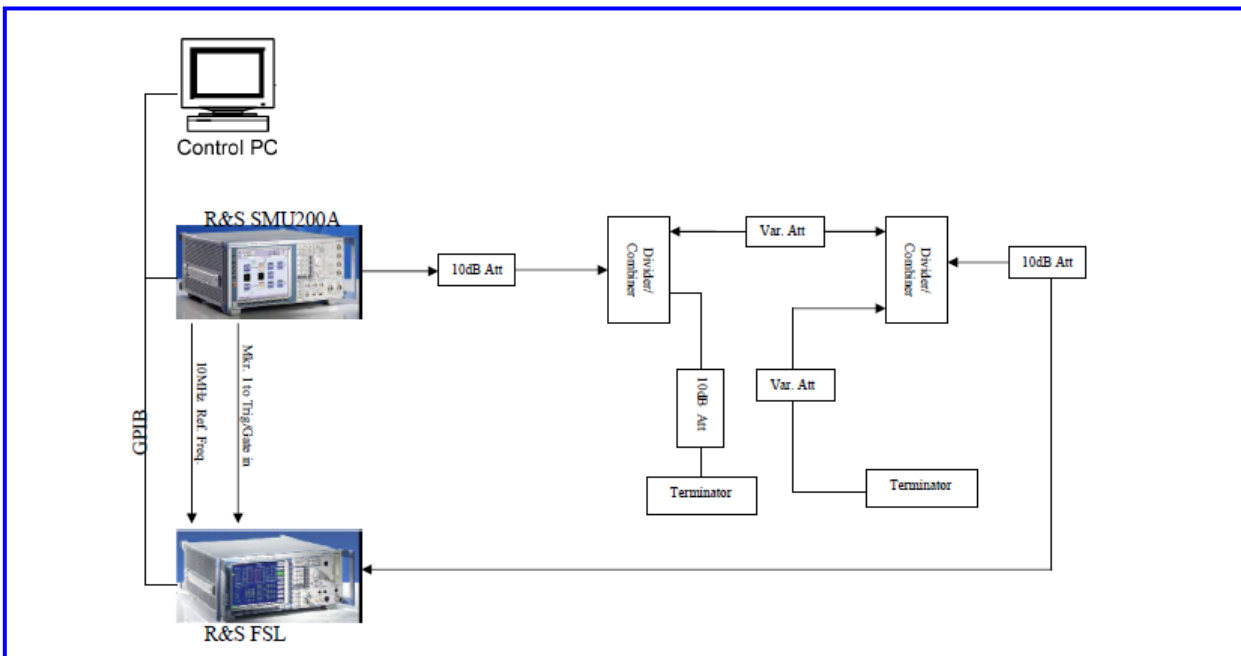
4.5 DFS Detection Threshold

All operating channels of the Wireless Video Access Point, Model 405 have the same detection bandwidth. The operating channel on 5310 MHz was randomly selected for 40 MHz testing, and the channel 5500 MHz was used for 20 MHz testing. UNII detection bandwidth performed according to Section 7.8.1 of FCC 06-96.

4.5.1 Test Method

The conducted method was used to measure the detection threshold. FCC 06-96 U-NII Section 7.8 was used to determine the DFS generator drive level. The continuous wave at 5310 MHz and 5500 MHz was applied to the coupling circuit. The corrected level recorded at the master end; which will connect to the EUT. The client and spectrum analyzer output of the circuit are terminated with 50 Ohms. The setup diagram is show below;

Test Setup:



4.5.2 Results

The Wireless Video Access Point, Model 405 was provided with uniform loading across the dynamic frequency ranges of 5250 MHz to 5350 MHz and 5470 MHz to 5725 MHz; except DFS restricted range of 5600 MHz to 5650 MHz.

The only declared antenna gain is +2.0 dBi.

The required threshold level is -64 dBm since the Wireless Video Access Point transmitted power is greater than 200 mW.

$$\begin{aligned}\text{Radar Injection Level} &= -64.0 \text{ dBm} + \text{minimum antenna gain} + 1 \text{ dB} \\ &= -64.0 \text{ dBm} + 2 \text{ dBi} + 1 \text{ dB} \\ &= -61.0 \text{ dBm}\end{aligned}$$

$$\begin{aligned}\text{Final injection level} &= -61.0 \text{ dBm} + \text{Cable loss} \\ &= -61 \text{ dBm} + 1.5 \text{ dB} \\ &= -59.5 \text{ dBm}\end{aligned}$$

- Note:**
1. The EUT provided with Murada interface connection. The special Murada interface cable was used to mate between the antenna port and EUT. The specified cable loss was 1.5 dB.
 2. The above threshold level was used to verify all Waveforms 1 to 6, as indicated in Section 4.4.

4.6 UNII Detection Bandwidth

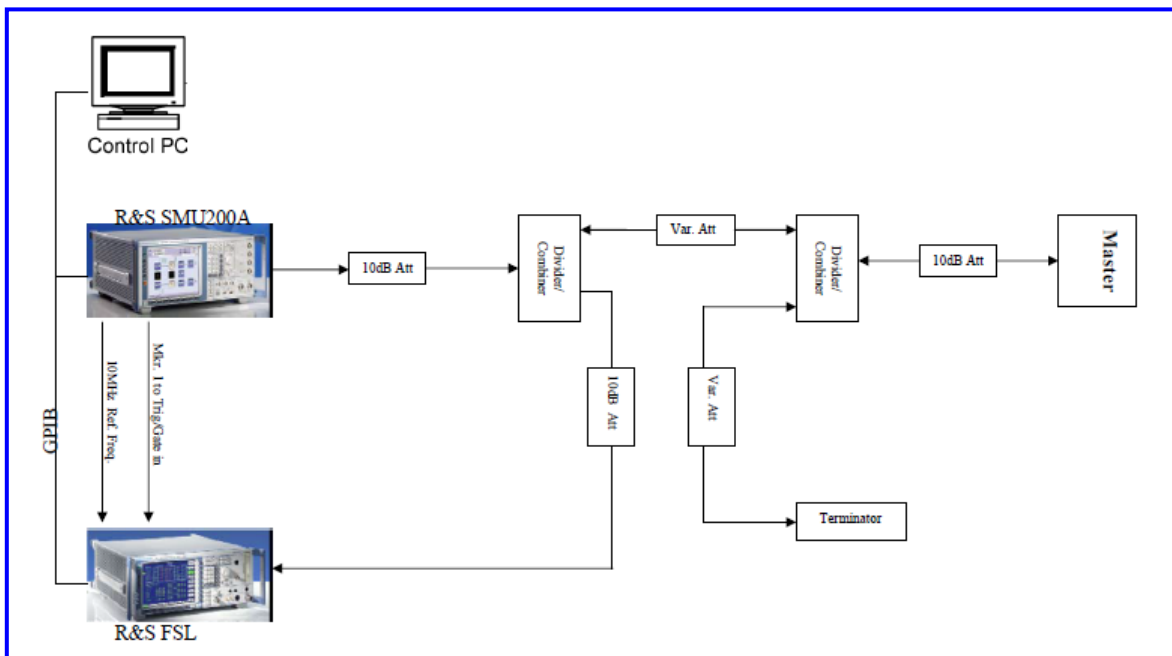
All operating channels of the Wireless Video Access Point, Model 405 have the same detection bandwidth. The operating channel on 5310 MHz was randomly selected for 40 MHz bandwidth testing. Similarly, the 5500 MHz operating channel was used for testing 20 MHz bandwidth. UNII detection bandwidth performed according to Section 7.8.1 of FCC 06-96.

The measured U-NII detection bandwidth of Model 405 shall be at least 80% of the 99% channel power bandwidth; per Table 4 of FCC 06-96.

4.6.1 Test Method

The FCC 06-96 U-NII Section 7.8.1 detection bandwidth conducted method was used to measure the detection bandwidth output. The sample S/N 12130M000057, configured to operate at 5310 MHz for 40 MHz bandwidth, and sample S/N 09130M000033 configured to operate at 5500 MHz for 20 MHz bandwidth. The results indicated below.

Test Setup:



4.6.2 Results

As originally tested, the EUT was found to be compliant to the requirements of the test standard(s).

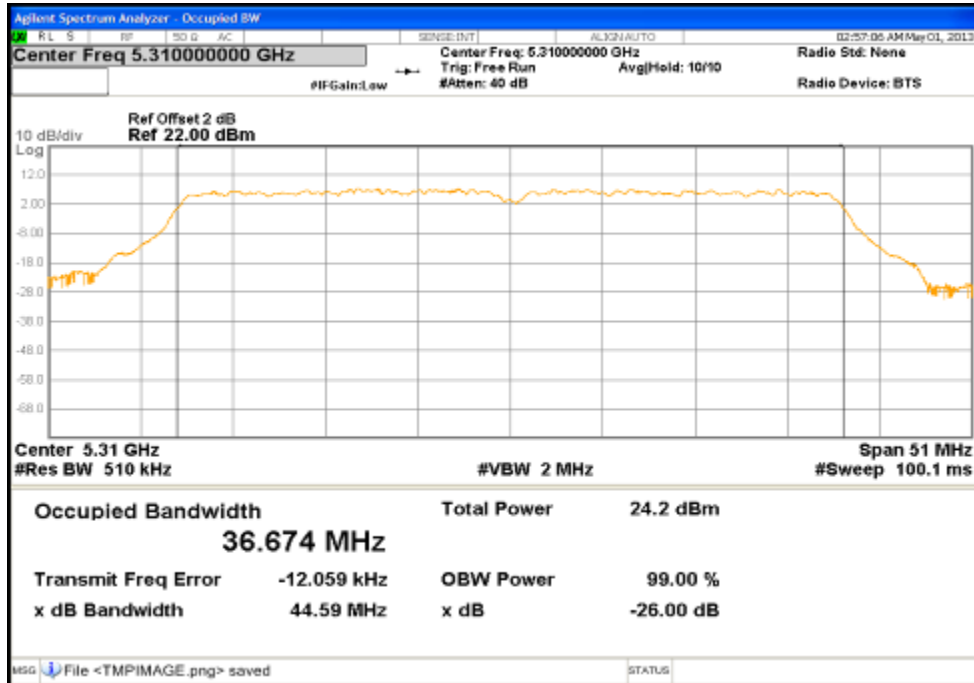


Figure 12: 99% Bandwidth at 5310 MHz

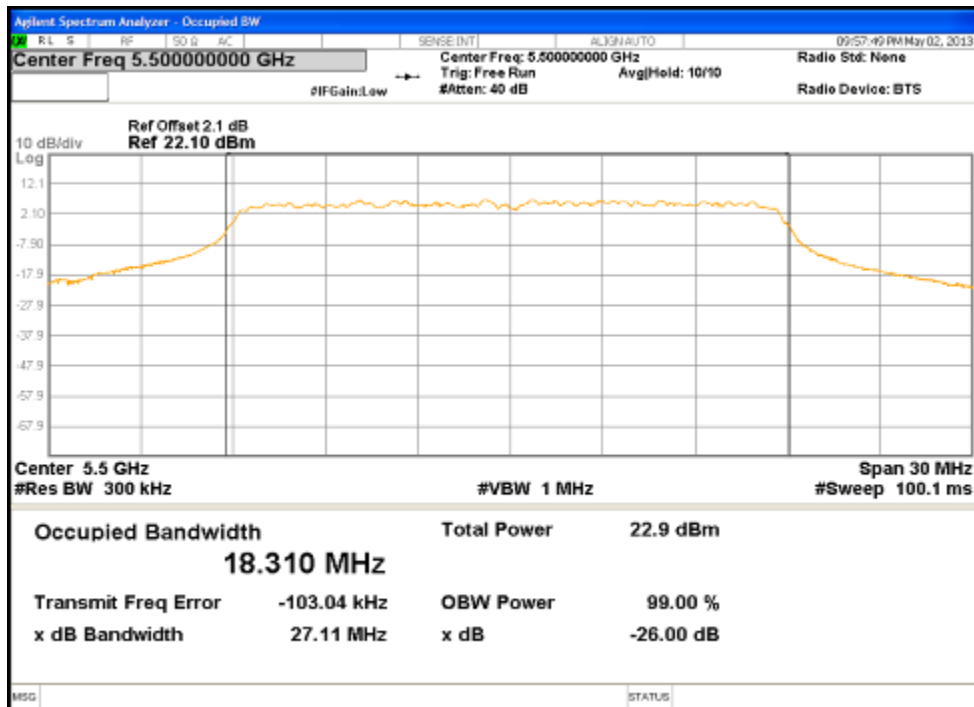


Figure 13: 99% Bandwidth at 5500 MHz

Table 10: U-NII Detection Bandwidth for 20 MHz Bandwidth – Test Results

Test Date: August 25, 2013	
Test Setup: <i>conducted method</i>	Center Frequency: 5500 MHz
Min. Antenna Gain: 2 dBi	Max. Transmitted Power: Na.
Required Threshold: -64dBm	Radar Test Waveform: 1
Ambient Temperature: 23°C	Relative Humidity: 42% RH

Frequency (MHz)	Trial Number										Sucessful Percentage	Note	
	1	2	3	4	5	6	7	8	9	10			
5483													
5484													
5485													
5486													
5487													
5488													
5489													
5490	N	N	N	N	N	N	N	N	N	N	0		
5491	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	FI	
5492	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5493	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5494	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5495	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5496	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5497	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5498	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5499	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5500	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	Fc	
5501	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5502	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5503	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5504	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5505	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5506	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5507	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100		
5508	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	Fh	
5509	N	N	N	N	Y	N	N	N	Y	N	20		
5510													
5511													
5512													
5513													
5514													
5515													
5516													
99% Chan. Power Bandwidth =		18.31 MHz											
Required Detection Bandwidth =		14.65 MHz											
Detection Bandwidth (Fh-FI) =		18.00 MHz											
Over All Result =		Complies											

Table 11: U-NII Detection Bandwidth for 40 MHz Bandwidth – Test Results

Test Date: June 3, 2013	
Test Setup: <i>conducted method</i>	Center Frequency: 5310 MHz
Min. Antenna Gain: 2 dBi	Max. Transmitted Power: Na.
Required Threshold: -64dBm	Radar Test Waveform: 1
Ambient Temperature: 23°C	Relative Humidity: 28%RH

Frequency (MHz)	Trial Number										Sucessful Percentage	Note
	1	2	3	4	5	6	7	8	9	10		
5293	N	N	N	N	N	N	N	N	N	N	0	
5294	Y	Y	Y	Y	Y	Y	Y	Y	N	N	80	
5295	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	FI
5296	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5297	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5298	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5299	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5300	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5301	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5302	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5303	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5304	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5305	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5306	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5307	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5308	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5309	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5310	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	Fc
5311	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5312	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5313	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5314	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5315	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5316	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5317	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5318	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5319	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5320	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5321	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5322	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5323	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5324	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	
5325	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	Fh
5326	Y	Y	N	Y	N	N	Y	Y	Y	N	60	
99% Chan. Power Bandwidth =		36.67 MHz										
Required Detection Bandwidth =		29.34 MHz										
Detection Bandwidth (Fh-FI) =		30.00 MHz										
Over All Result =		Complies										

4.7 Performance Requirement Checks

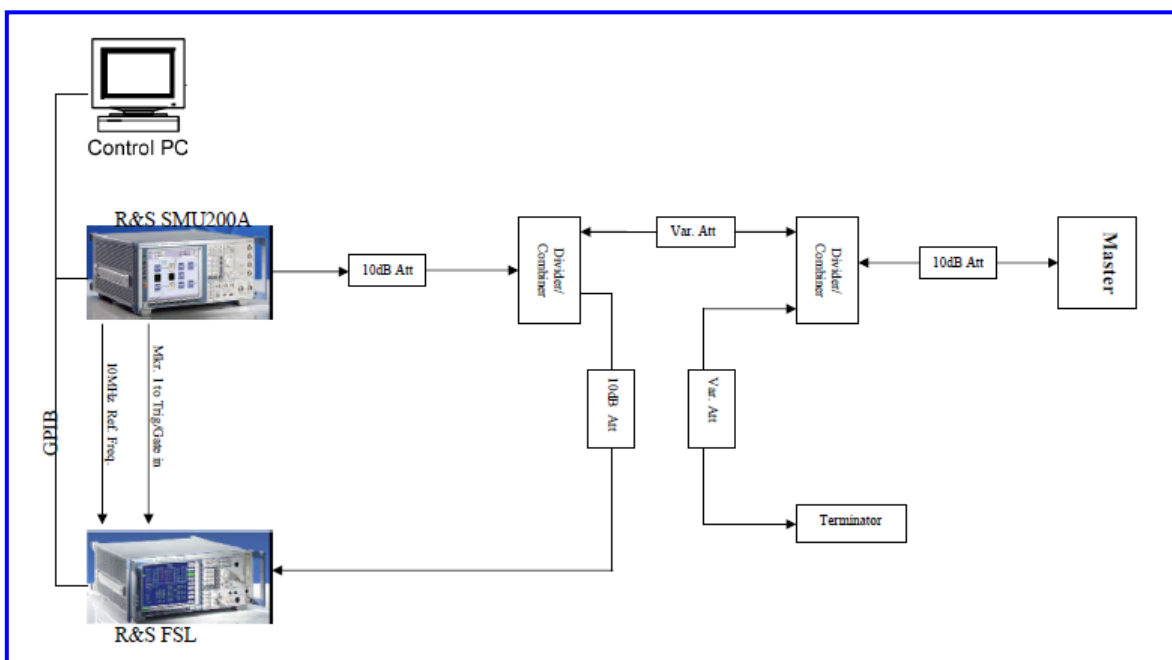
The performance checks consist of the initial channel availability check, radar injection at the beginning of the channel check, and radar injection at the end of the channel check. These parameters of the Wireless Video Access Point, Model 405 are verified to ensure the proper radar detection.

The Wireless Video Access Point, Model 405 must have 1 minute transmission-free time for initial channel availability check time and 2.5 minutes of transmission-free time for other channel availability check per FCC 06-96

4.7.1 Test Method

The FCC 06-96 U-NII Section 7.8.2 Performance Requirements Check was used. The sample S/N 12130M000057, configured to operate at 5310 MHz for 40 MHz bandwidth. The sample S/N09130M000033, configured to operate at 5500 MHz for 20 MHz bandwidth. The final results indicated below.

Test Setup:



4.7.2 Results

As originally tested, the EUT was found to be compliant to the requirements of the test standard(s).

Table 12: Channel Availability Checks for 20 MHz Bandwidth – Test Results

Test Date: August 25, 2013				
Test Method: <i>conducted method</i>		Radar Test Waveform: 1		
Center Frequency: 5500 MHz		EUT State: No traffic		
Min. Antenna Gain: +2.0 dBi		Max. Transmitted Power: Na.		
Required Threshold: -64 dBm		Detection Threshold: -59.5 dBm		
Ambient Temperature: 23°C		Relative Humidity: 42 %RH		
Performance	Plots #	Limit	Results	Remark
Power-up Cycle	14	60	Complies	Power up time was 32.37 seconds
Channel Availability Check Time	14	60	Complies	Channel check time from 32.37 s to 92.37 s
Radar Injection near the beginning of CAC	15	150s	Complies	Injected at 34.80 seconds
Radar Injection near the End of CAC	16	150s	Complies	Injected at 89.02 seconds

Table 13: Channel Availability Checks for 40 MHz Bandwidth – Test Results

Test Date: June 6, 2013				
Test Method: <i>conducted method</i>		Radar Test Waveform: 1		
Center Frequency: 5310 MHz		EUT State: No traffic		
Min. Antenna Gain: +2.0 dBi		Max. Transmitted Power: Na.		
Required Threshold: -64dBm		Detection Threshold: -59.5 dBm		
Ambient Temperature: 23°C		Relative Humidity: 30 %RH		
Performance	Plots #	Limit	Results	Remark
Power-up Cycle	17	60	Complies	Power up time was 32.43 seconds
Channel Availability Check Time	17	60	Complies	Channel check time from 32.43 s to 92.43 s
Radar Injection near the beginning of CAC	18	150s	Complies	Injected at 34.33 seconds
Radar Injection near the End of CAC	19	150s	Complies	Injected at 89.94 seconds

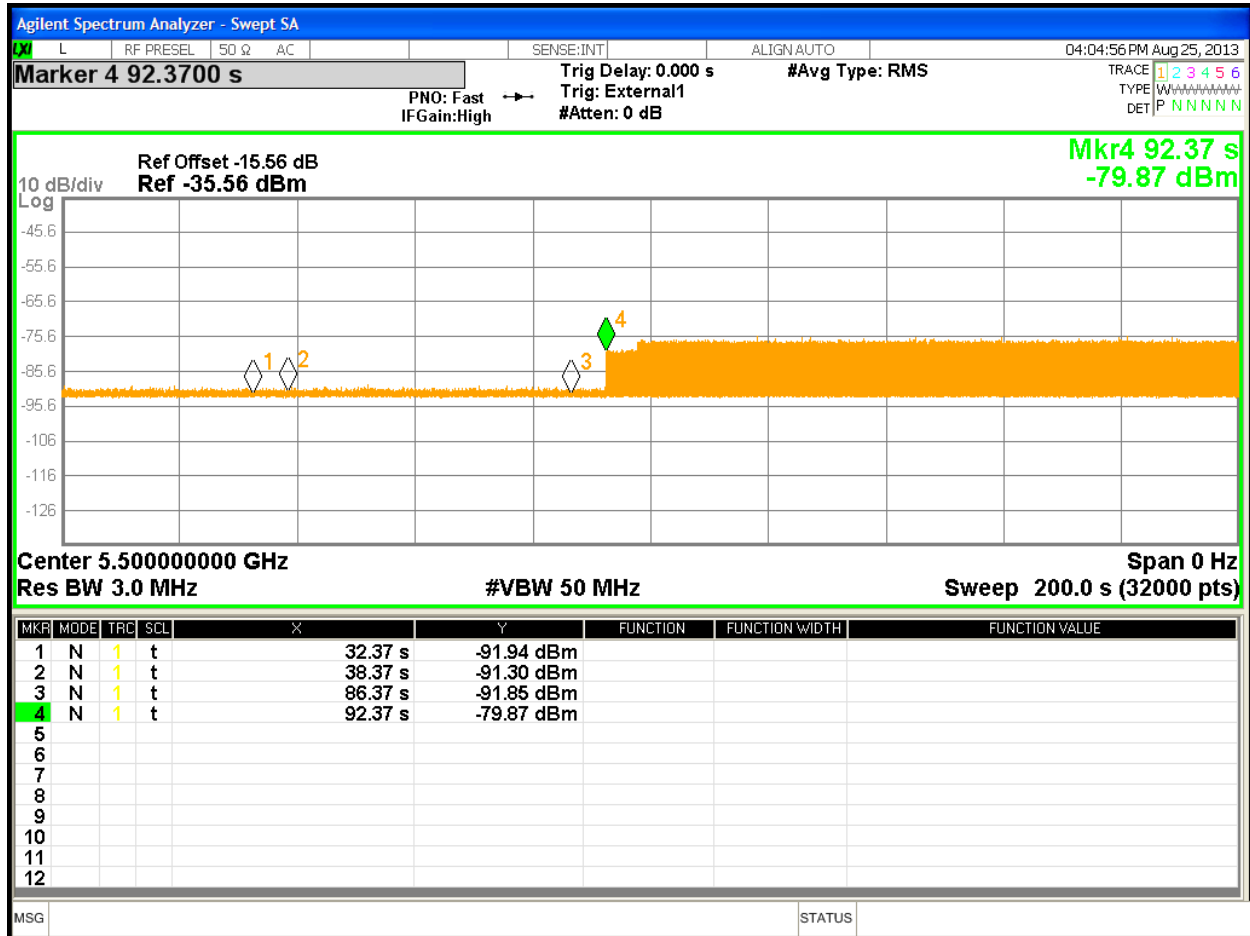


Figure 14: Initial Channel Availability Check for 20 MHz Bandwidth

- Note:**
1. Analyzer was trigger at the EUT' power up cycle.
 2. Marker 4 is when EUT started to transmit at 92.37 second.
 3. Marker 3 is denoted at 54 seconds into the 60 second channel availability check time.
 4. Marker 2 is denoted at 6 seconds into the 60 second channel availability check time.
 5. Marker 1 is denoted end of power-up time and the start of 60 seconds channel availability check time.

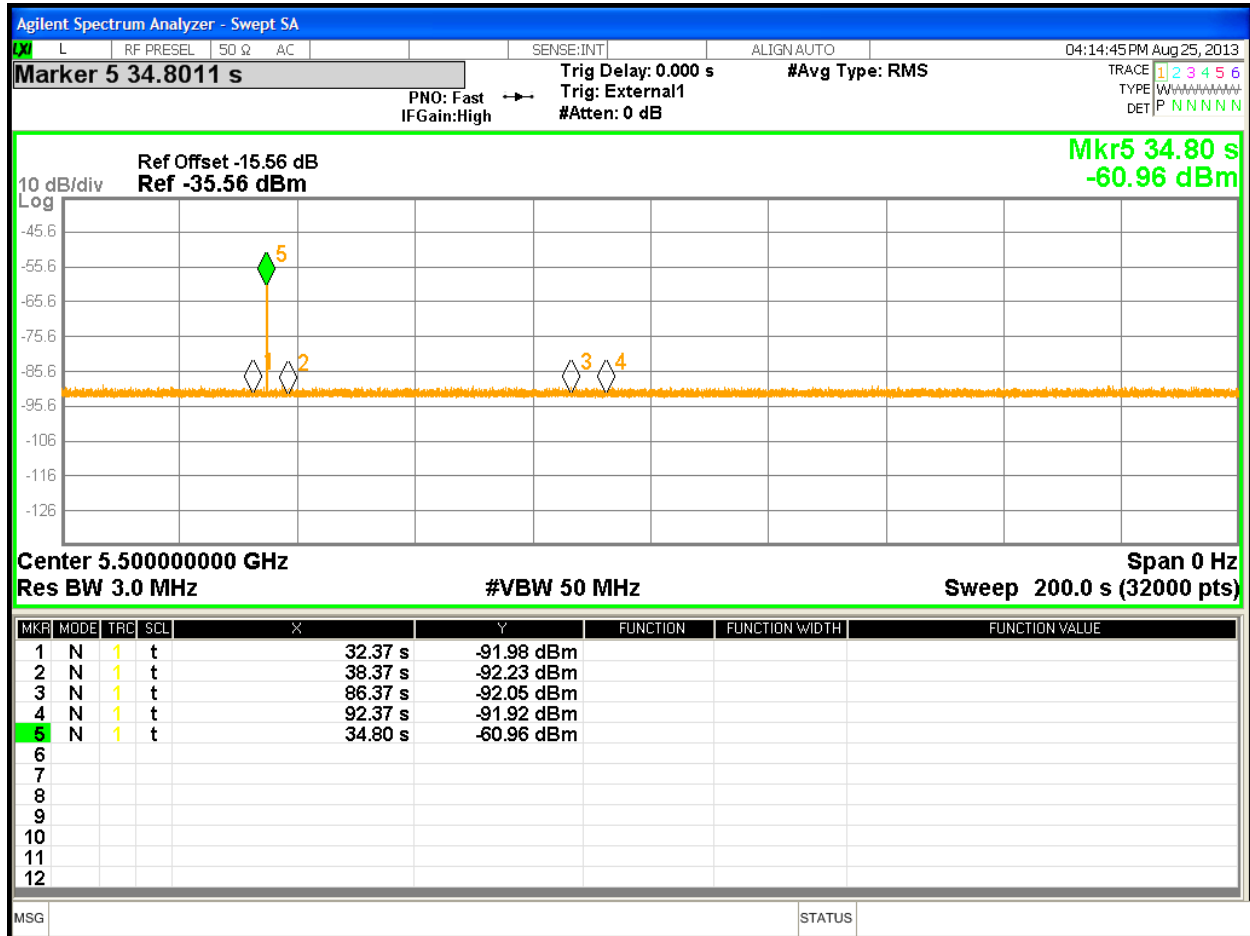


Figure 15: Radar Pulse Injection near the Beginning of Channel Availability Check for 20 MHz Bandwidth

- Note:**
1. The Wireless Video Access Point, Model 405 has the power up time of 32.37 seconds.
 2. The first 6 second of channel availability check would be between 32.37 s and 38.37 s.
 3. The single radar burst is injected at 34.80 seconds.
 4. No transmission was occurred within 2.5 minutes after radar injection.

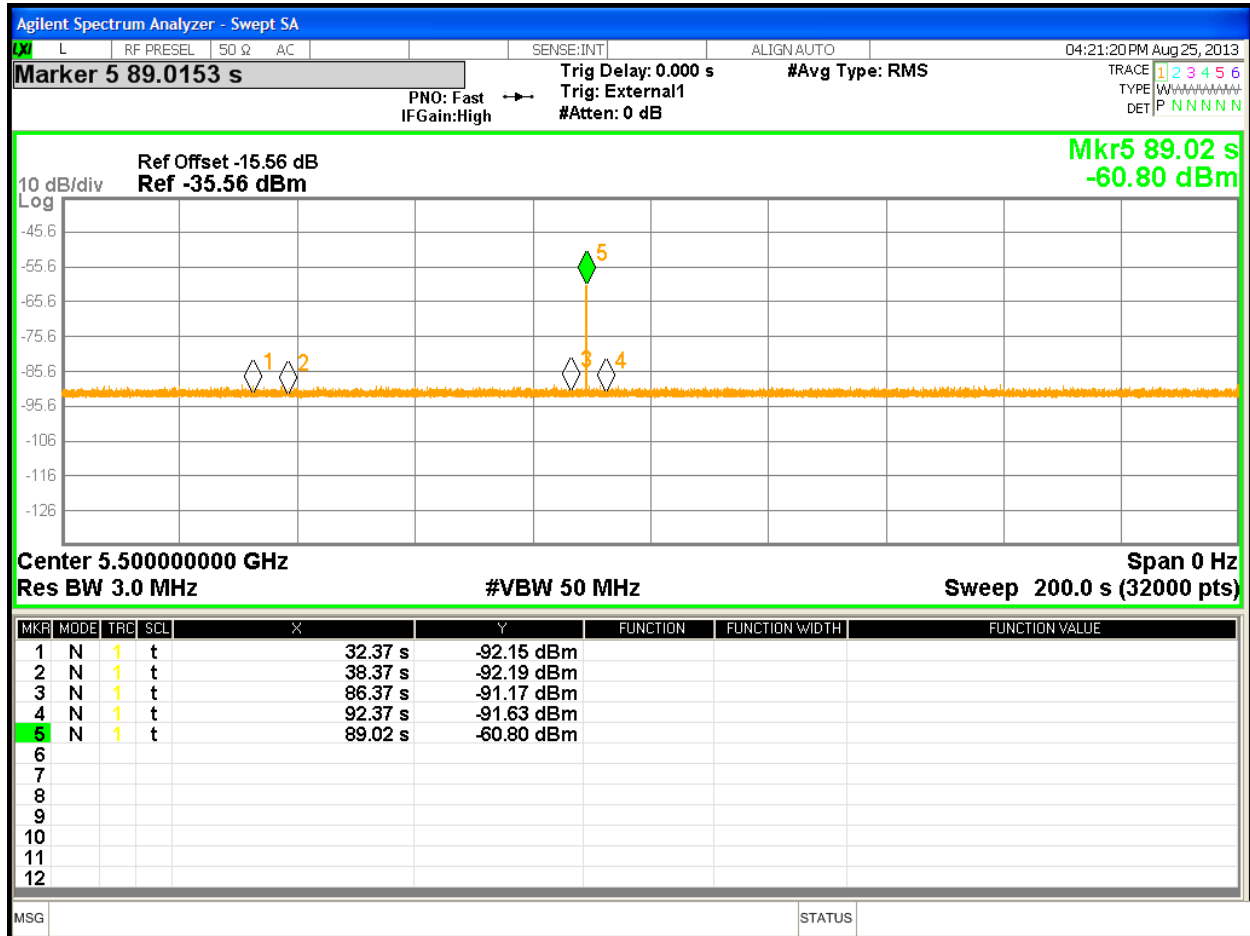


Figure 16: Radar Pulse Injection near the End of Channel Availability Check for 20 MHz Bandwidth

- Note:
1. The Wireless Video Access Point, Model 405 has the power up time of 32.37 seconds.
 2. The last 6 second of channel availability check would be between 86.37 s and 92.37 s.
 3. The single radar burst is injected at 89.02 seconds.
 4. No transmission was occurred within 2.5 minutes after radar injection.

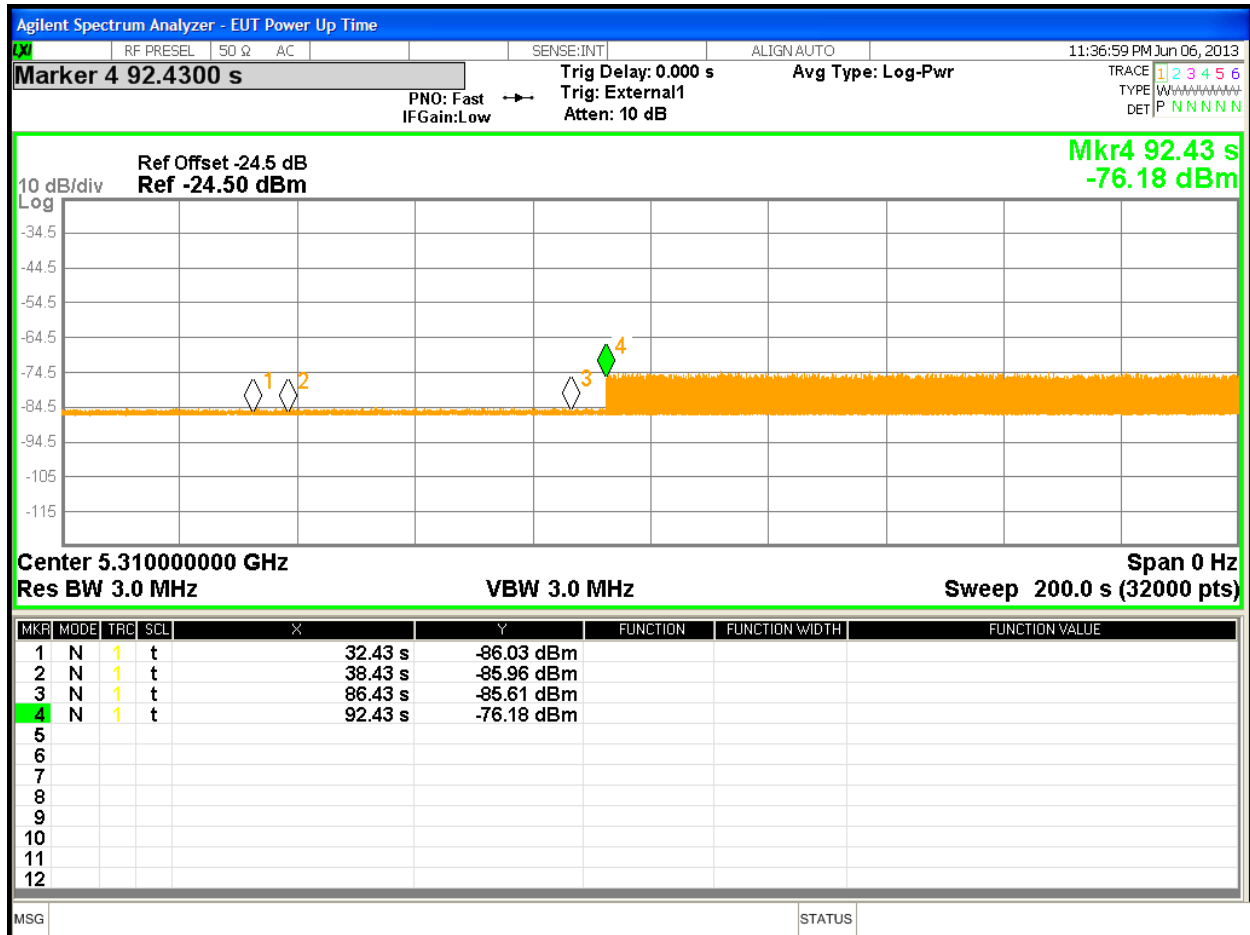


Figure 17: Initial Channel Availability Check for 40 MHz Bandwidth

- Note:**
1. Analyzer was trigger at the EUT' power up cycle.
 2. Marker 4 is when EUT started to transmit at 92.43 second.
 3. Marker 3 is denoted at 54 seconds into the 60 second channel availability check time.
 4. Marker 2 is denoted at 6 seconds into the 60 second channel availability check time.
 5. Marker 1 is denoted end of power-up time and the start of 60 seconds channel availability check time.

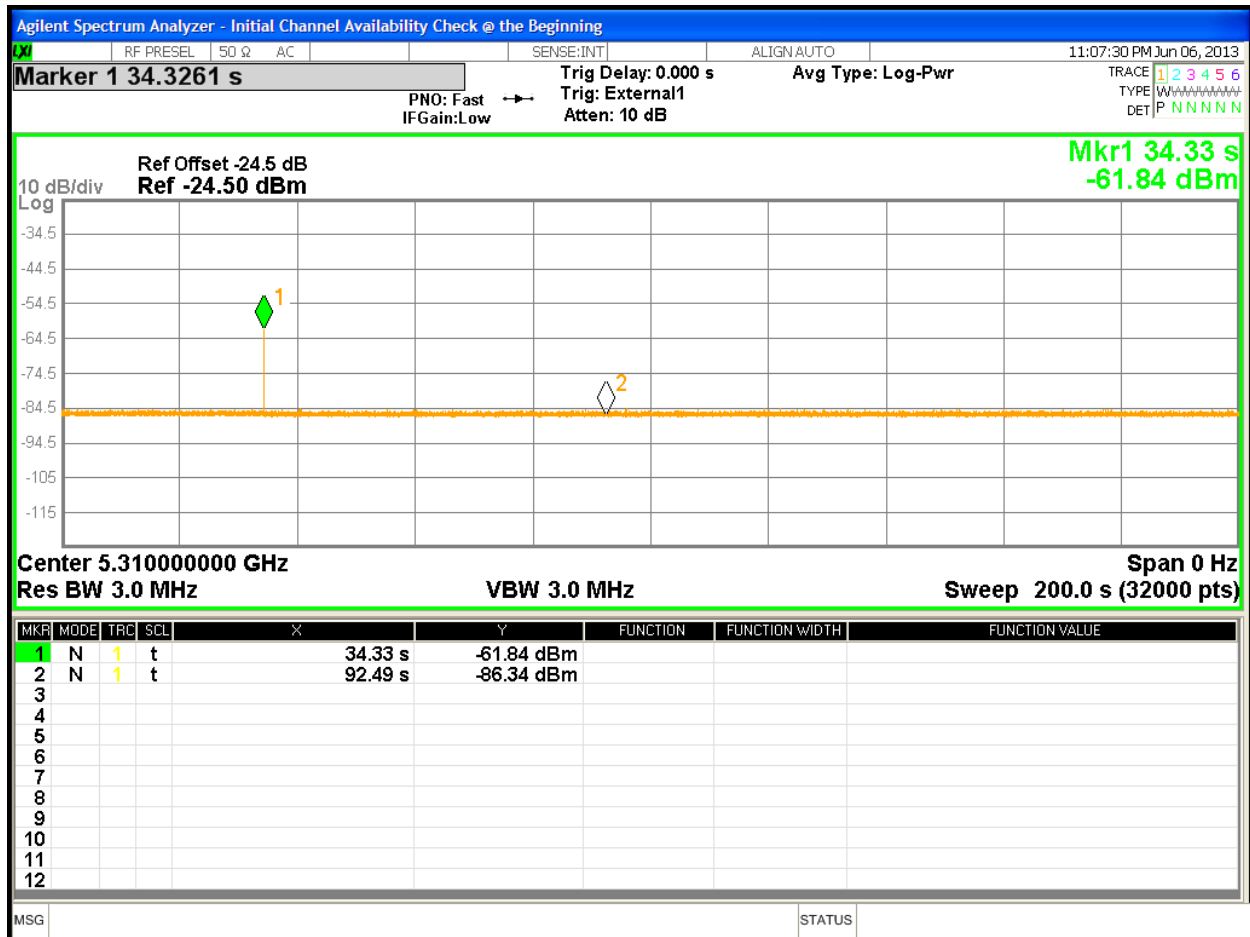


Figure 18: Radar Pulse Injection near the Beginning of Channel Availability Check for 40 MHz Bandwidth

- Note:**
1. The Wireless Video Access Point, Model 405 has the power up time of 32.43 seconds.
 2. The first 6 second of channel availability check would be between 32.43 s and 38.43 s.
 3. The single radar burst is injected at 34.33 seconds.
 4. No transmission was occurred within 2.5 minutes after radar injection.

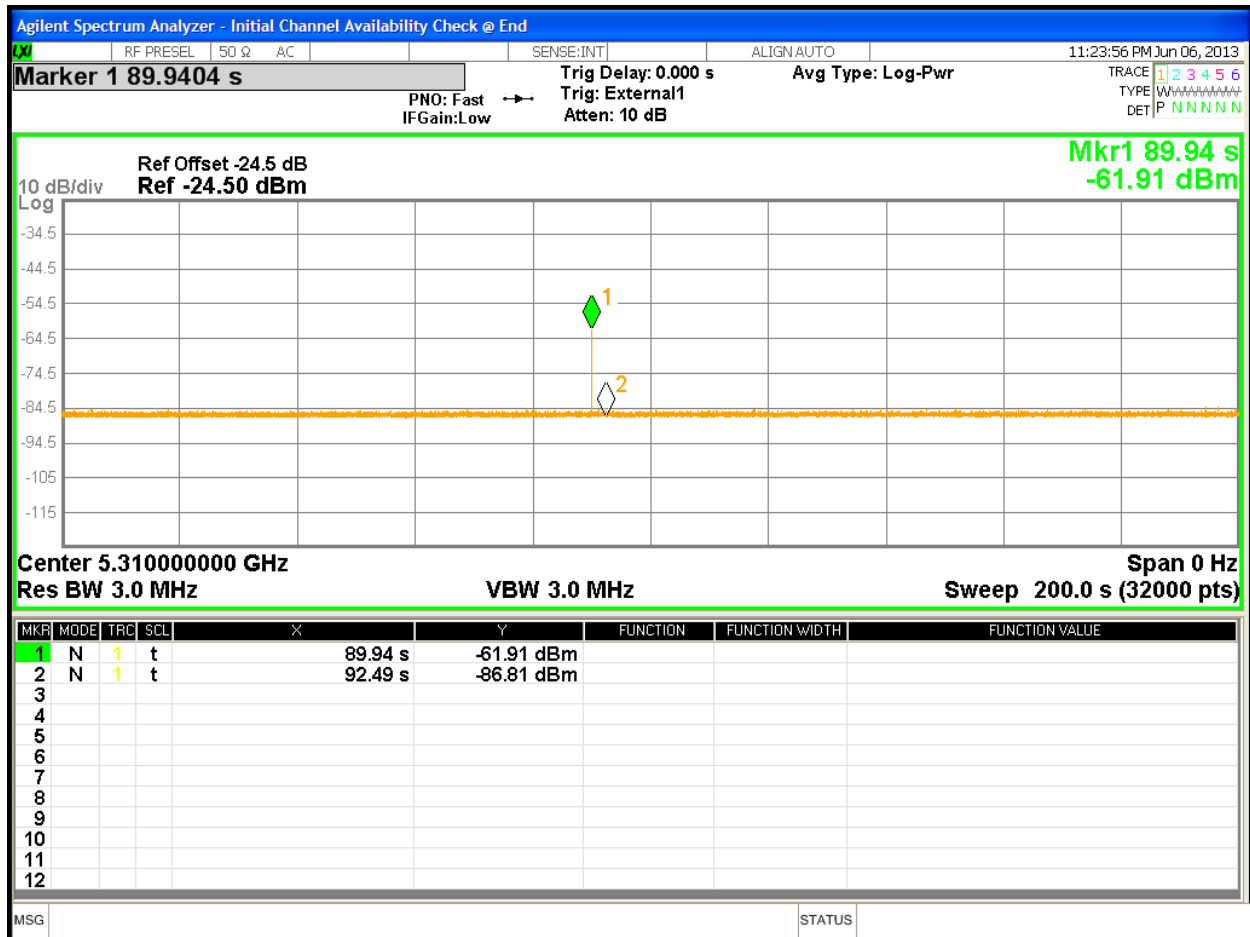


Figure 19: Radar Pulse Injection near the End of Channel Availability Check for 40 MHz Bandwidth

- Note:**
1. The Wireless Video Access Point, Model 405 has the power up time of 32.43 seconds.
 2. The last 6 second of channel availability check would be between 86.43 s and 92.43 s.
 3. The single radar burst is injected at 89.94 seconds.
 4. No transmission was occurred within 2.5 minutes after radar injection.

4.8 In-Service Monitoring

In-service monitoring performance checks consist of the channel move time, channel closing transmission time, and non-occupancy period. These parameters of the Wireless Video Access Point, Model 405 are verified to give the radar system the priority of the frequency and minimize the interference with nearby radar systems when the Wireless Video Access Point, Model 405 is being used.

Upon the detection of radar signal on the operating channel, the equipment under test (EUT) must move to another operating channel with move time less than 10 seconds. The total channel closing transmission time must be 200 mS with an aggregate 60 mS over the remaining 10 second period. The radar detected channel must not have any transmission from EUT for the minimum of 30 minutes.

4.8.1 Test Method

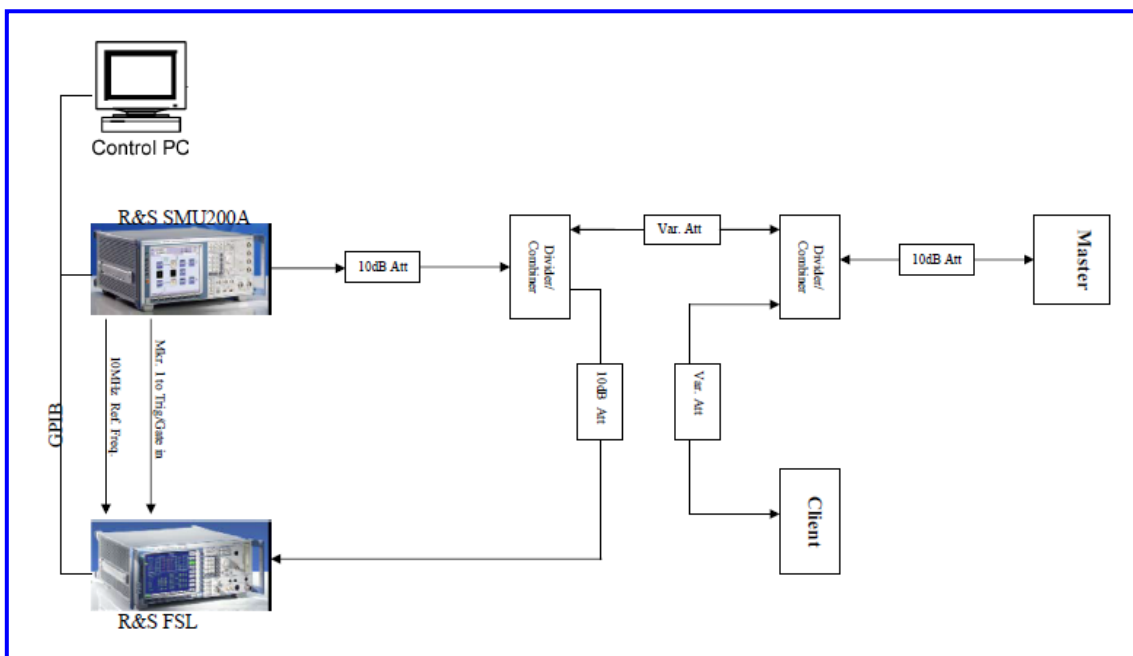
The FCC 06-96 U-NII Section 7.8.3 Performance Requirements Check was used.

The sample S/N 12130M000057 was used as master device and configured to operate at 5310 MHz for 40 MHz bandwidth.

The sample S/N 09130M000033 was used as master device and configured to operate at 5500 MHz for 20 MHz bandwidth.

The sample S/N 12130M000140 was used as slave device. The final results indicated below.

Test Setup:



4.8.2 Results

As originally tested, the EUT was found to be compliant to the requirements of the test standard(s).

Table 14: In-Service Monitoring – Test Results

Test Date: June 19 and August 25, 2013								
Test Method: <i>conducted method</i>								
Center Frequency: 5310 MHz and 5500 MHz					EUT State: Streaming MPEG Video			
Min. Antenna Gain: 2.0 dBi					Max. Transmitted Power:			
Required Threshold: -64dBm					Detection Threshold: -59.5 dBm			
Ambient Temperature: 23°C					Relative Humidity: 28% RH			
Master Mode for 20 MHz Bandwidth								
Performance	CCTT		CMT		Non-Occupancy		Plots	Results
	Meas.	Limit	Meas.	Limit	Meas.	Limit		
Waveform #1	2.5ms	260 ms	100 ms	10s	> 30min	30 min.	20,21,24	Complies
Waveform #5	3.5ms	260 ms	118ms	10s	> 30min	30 min.	22,23,25	Complies
Master Mode for 40 MHz Bandwidth								
Performance	CCTT		CMT		Non-Occupancy		Plots	Results
	Meas.	Limit	Meas.	Limit	Meas.	Limit		
Waveform #1	3.5ms	260 ms	84.15ms	10s	> 30min	30 min.	26,27,30	Complies
Waveform #5	5.0 ms	260 ms	143ms	10s	> 30min	30 min.	28,29,31	Complies
Slave Mode								
Performance	CCTT		CMT		Non-Occupancy		Plots	Results
	Meas.	Limit	Meas.	Limit	Meas.	Limit		
Waveform #1	4.5ms	260 ms	86.24ms	10s	Na	Na	32, 33	Complies
Waveform #5	4.5ms	260 ms	102.0 ms	10s	Na	Na	34, 35	Complies

CCTT= Channel Closing Transmission Time.

CMT= Channel Move Time

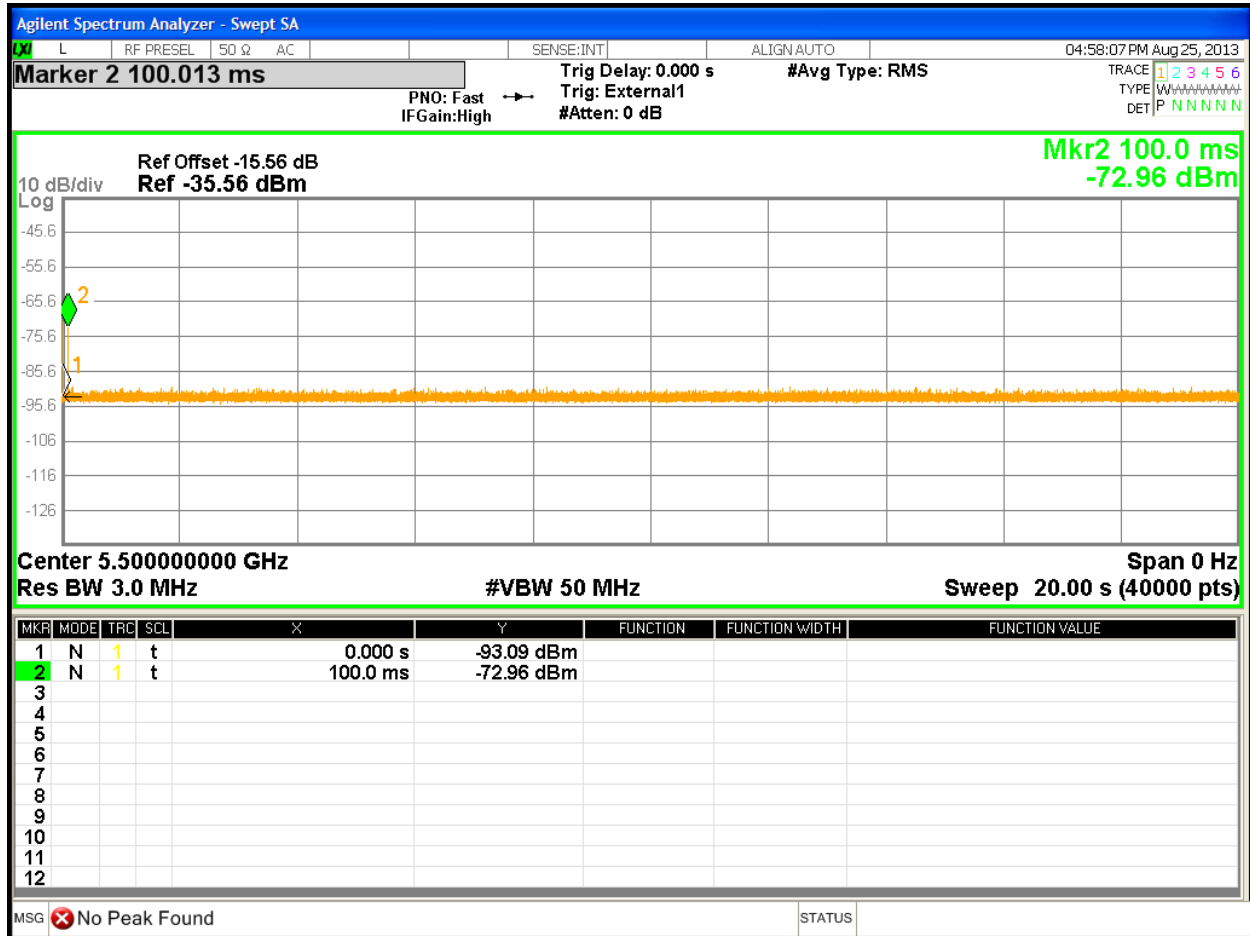


Figure 20: Channel Move Time and Channel Closing Transmission Time using Short Pulse Radar Waveform 1 in Master Mode for 20 MHz Bandwidth

Note: Spectrum Analyzer was triggered during the last burst of Type 1 radar pulse.



Figure 21: Channel Move Time and Channel Closing Transmission Time using Short Pulse Radar Waveform 1 1 in Master Mode for 20 MHz Bandwidth - (Close-up)

- Note:
- Agilent MXE Analyzer was triggered with 40000 single sweep points (Bins) during the last radar pulse. Fig. 21 was a zoom-in plot from Fig. 20.
 - The last radar pulse of Type #1 was denoted by Marker 1 at 0 ms
 - Channel Closing Transmission Time = # Bins * (20000 ms / 40000 Bins)
 = 5 bins * (20000 ms / 40000 Bins)
 = 2.5 mS.
 - Channel Move Time (CMT) is defined as the delta of EUT's last transmission to the last pulse of radar burst.
 Last Radar Pulse = 0 mS
 Last Transmission = 100 mS
 Channel Move Time = Last Transmission - Last Radar Pulse = 100 ms
 - No transmission happened after 200 mS, no aggregate.

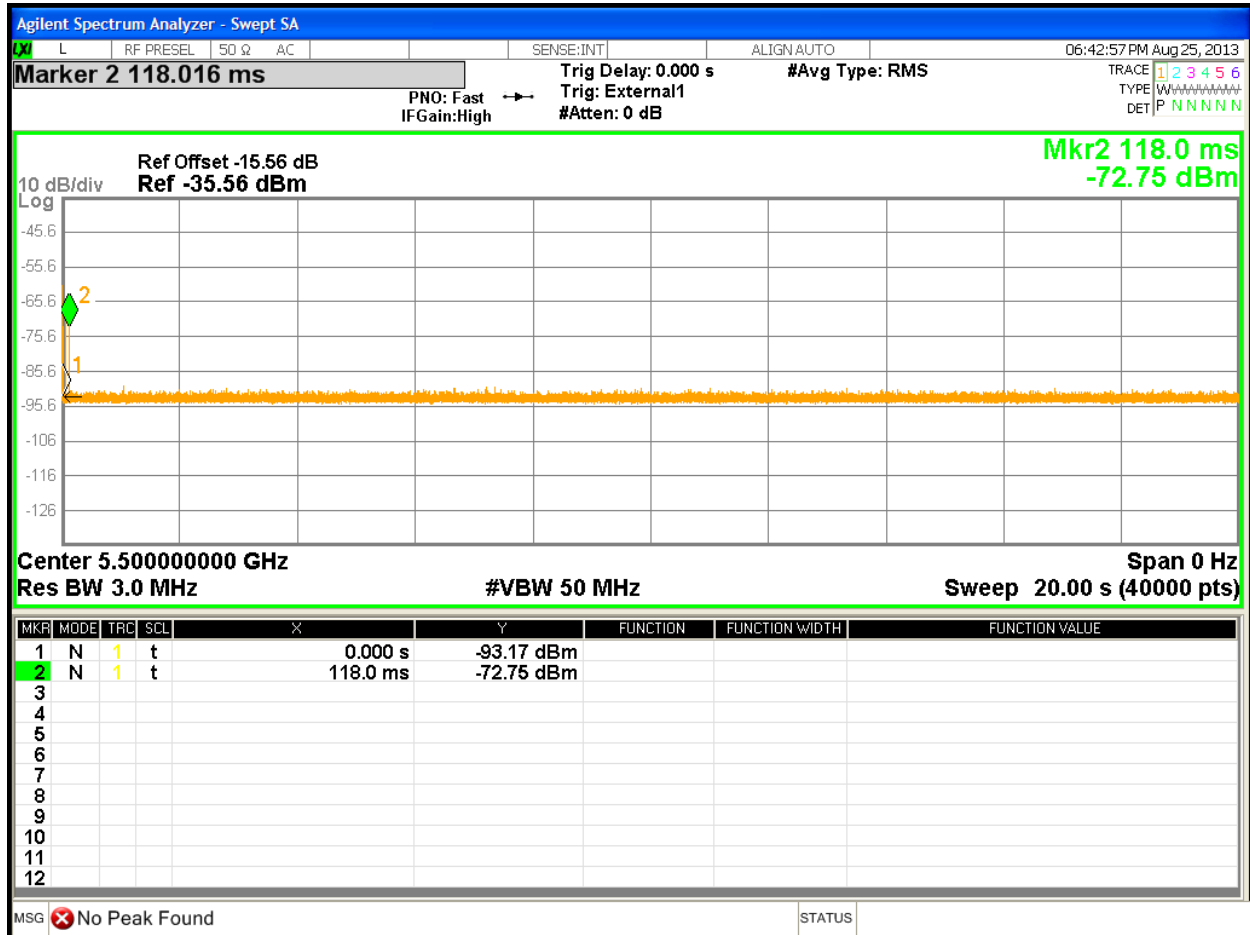


Figure 22: Channel Move Time and Channel Closing Transmission Time using Long Pulse Radar Waveform 5 in Master Mode for 20 MHz Bandwidth

Note: Spectrum Analyzer was triggered at the end of radar pulse.

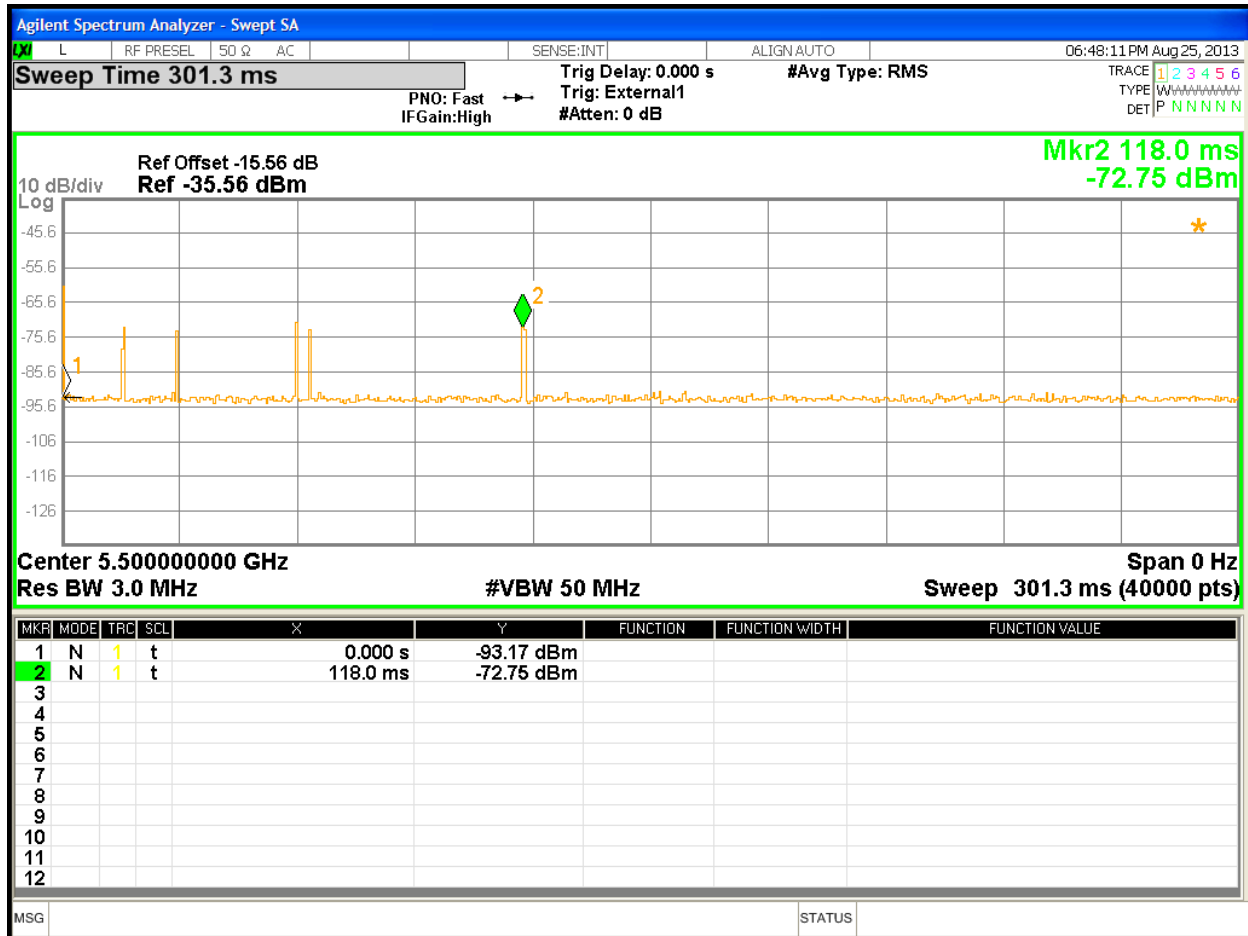


Figure 23: Channel Move Time and Channel Closing Transmission Time using Long Pulse Radar Waveform 5 in Master Mode for 20 MHz Bandwidth – (Close-up)

Note: 1. Agilent MXE Analyzer was triggered with 40000 single sweep points (Bins) at the last radar pulse. Fig. 23 was a zoom-in plot from Fig. 22.

2. The last radar pulse of Type #5 was denoted by Marker 1 at 0 ms

3. Channel Closing Transmission Time = # Bins * (20000 mS / 40000 Bins)
 = 7 bins * (20000 mS/ 40000 Bins)
 = 3.5 mS.

4. Channel Move Time (CMT) is defined as the delta of EUT’s last transmission to the last pulse of radar burst.

Last Radar Pulse = 0 mS

Last Transmission = 118.0 mS

Channel Move Time = Last Transmission – Last Radar Pulse = 118.0 ms

5. No transmission happened after 200 mS, no aggregate.

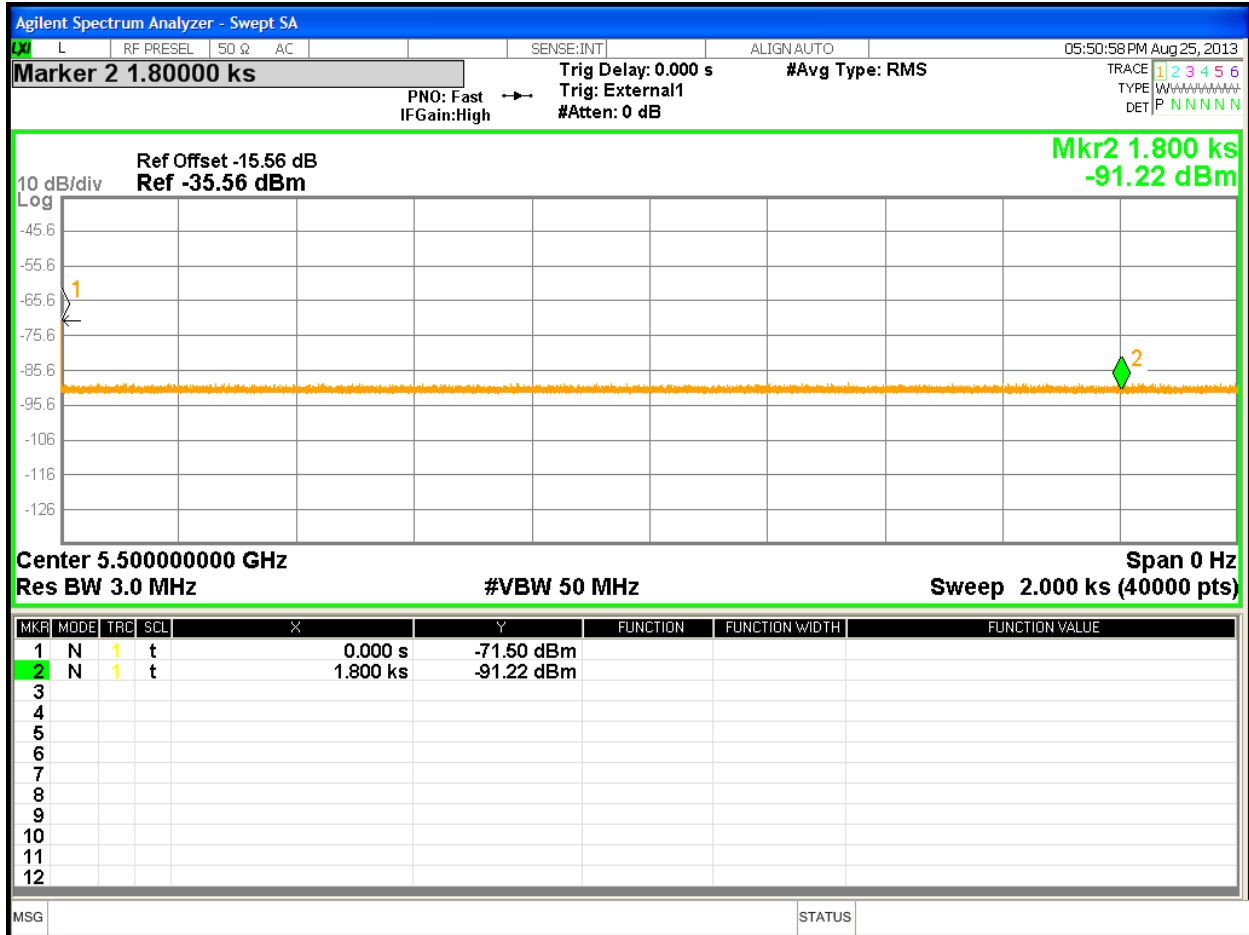


Figure 24: Non-Occupancy Period using Short Pulse Radar Waveform 1 in Master Mode for 20 MHz Bandwidth

- Note:
1. Marker #1 denotes the end of radar pulse.
 2. Marker #2 denotes the 30 minutes limit on Channel 5500 MHz.
 3. No transmission of 30 minutes after the last aggregates on the original channel.
 4. The MPEG video file was playing without any interruption.
 5. Both master and slave moved to Channel 157.

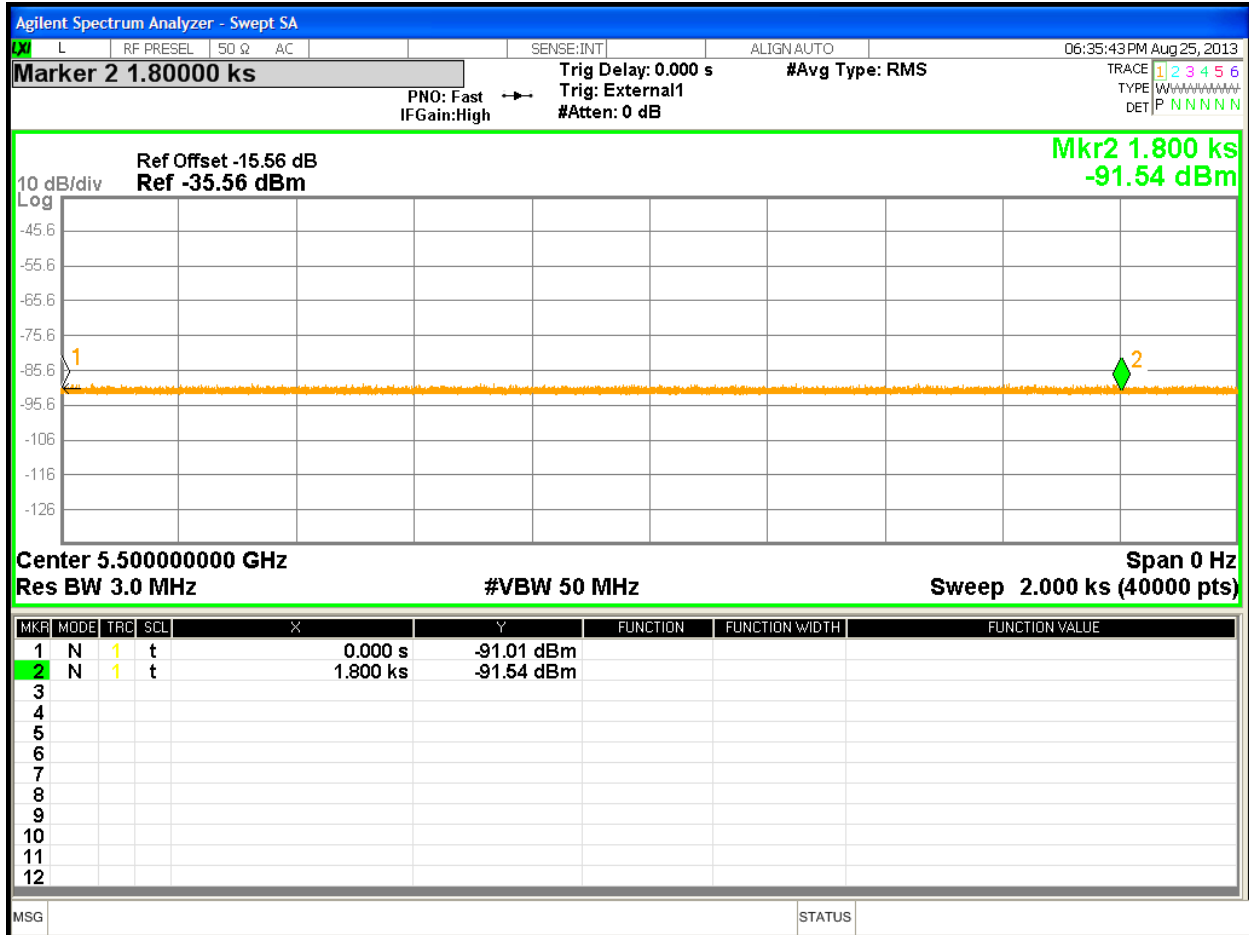


Figure 25: Non-Occupancy Period using Long Pulse Radar Waveform 5 in Master Mode for 20 MHz Bandwidth

- Note:
1. Marker #1 denotes the end of radar pulse and EUT channel closing transmission.
 2. Marker #2 denotes the 30 minutes limit on Channel 5500 MHz.
 3. No transmission of 30 minutes after the last aggregates on the original channel.
 4. The MPEG video file was playing without any interruption.
 5. Both master and slave moved to Channel 157

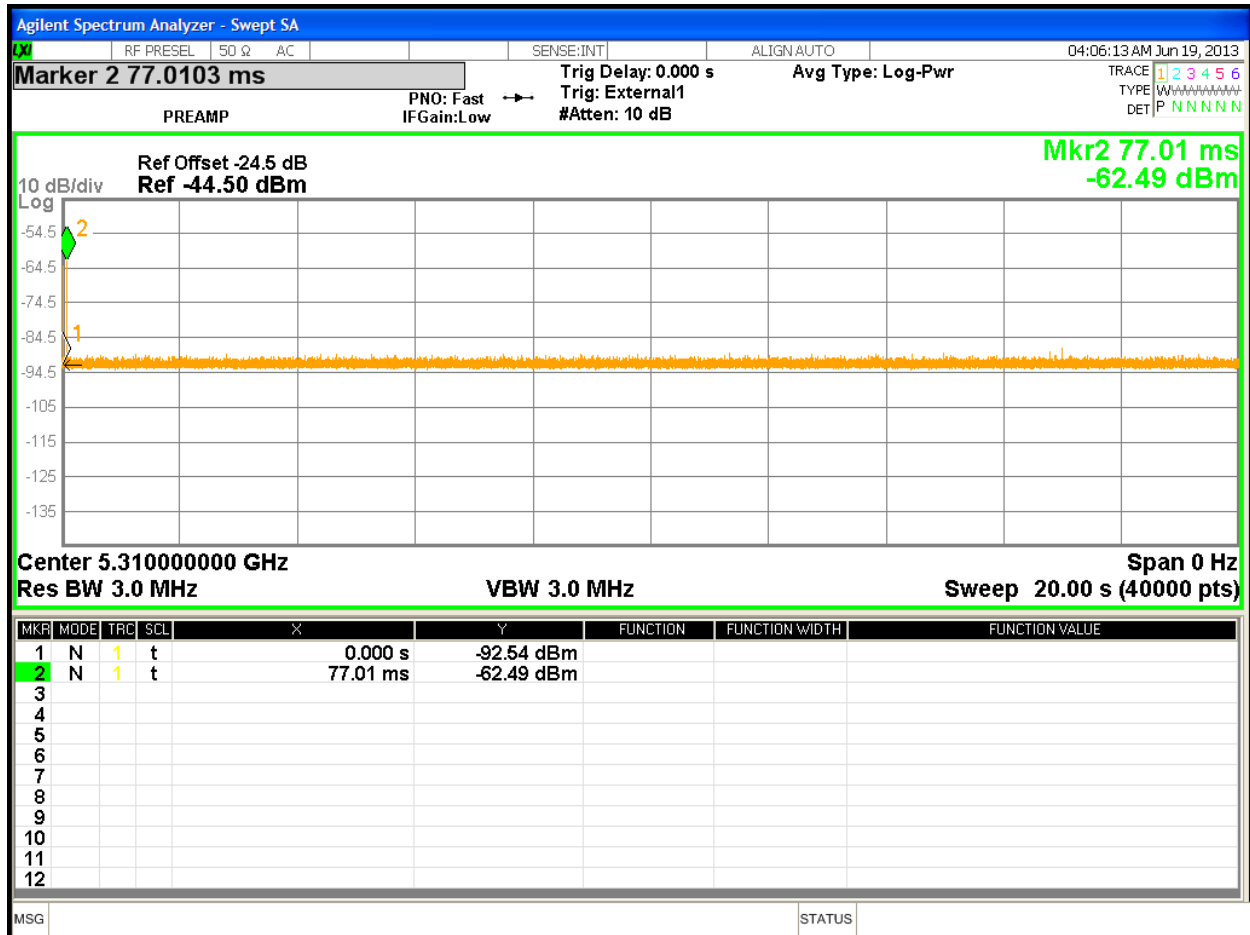


Figure 26: Channel Move Time and Channel Closing Transmission Time using Short Pulse Radar Waveform 1 in Master Mode for 40 MHz Bandwidth

Note: Spectrum Analyzer was triggered during the last burst of Type 1 radar pulse.

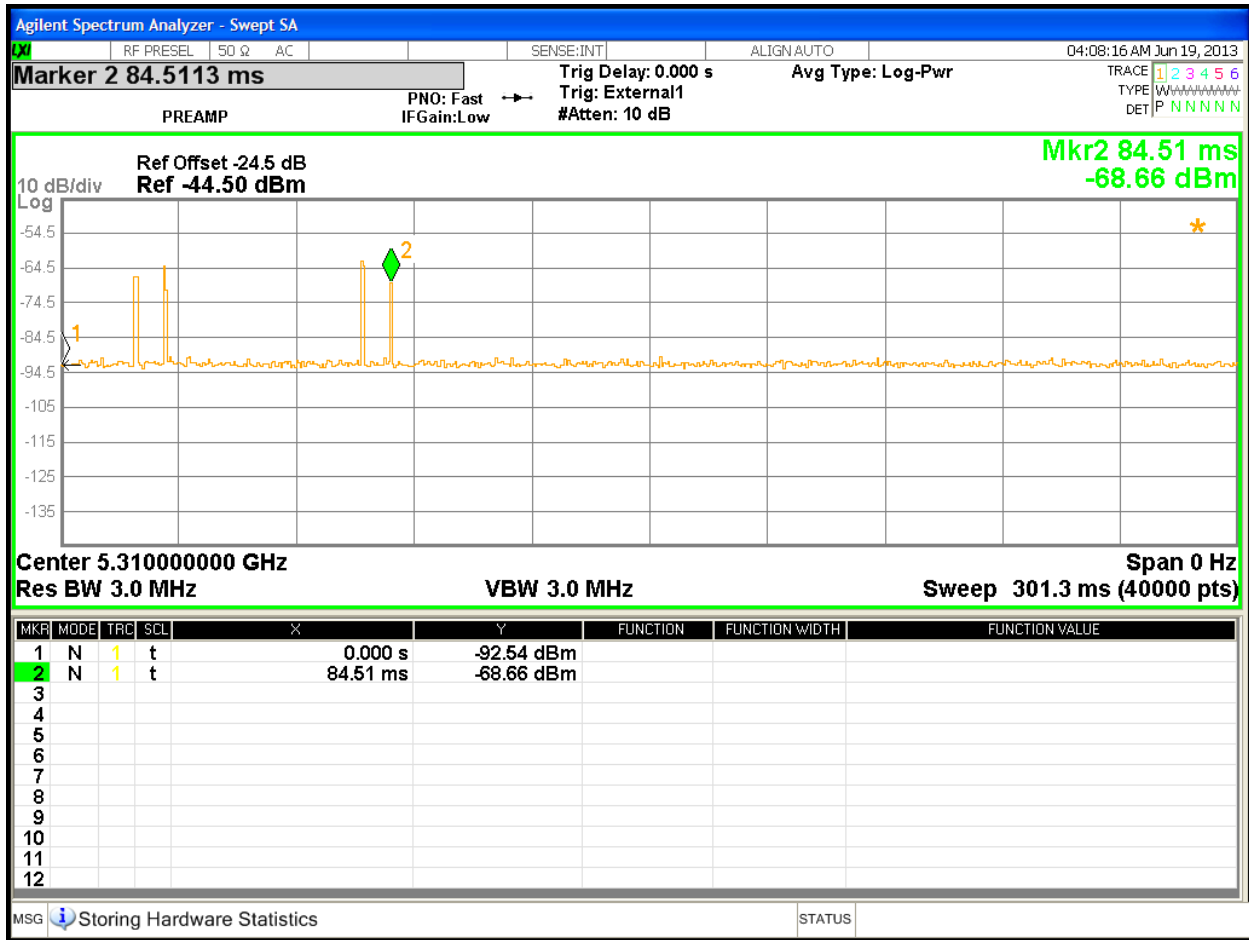


Figure 27: Channel Move Time and Channel Closing Transmission Time using Short Pulse Radar Waveform 1 1 in Master Mode for 40 MHz Bandwidth - (Close-up)

- Note:
- Agilent MXE Analyzer was triggered with 40000 single sweep points (Bins) during the last radar pulse. Fig. 27 was a zoom-in plot from Fig. 26.
 - The last radar pulse of Type #1 was denoted by Marker 1 at 0 ms
 - Channel Closing Transmission Time = # Bins * (20000 mS / 40000 Bins)
 = 7 bins * (20000 mS / 40000 Bins)
 = 3.5 mS.
 - Channel Move Time (CMT) is defined as the delta of EUT's last transmission to the last pulse of radar burst.
 Last Radar Pulse = 0 mS
 Last Transmission = 84.51 mS
 Channel Move Time = Last Transmission – Last Radar Pulse = 84.51 ms
 - No transmission happened after 200 mS, no aggregate.

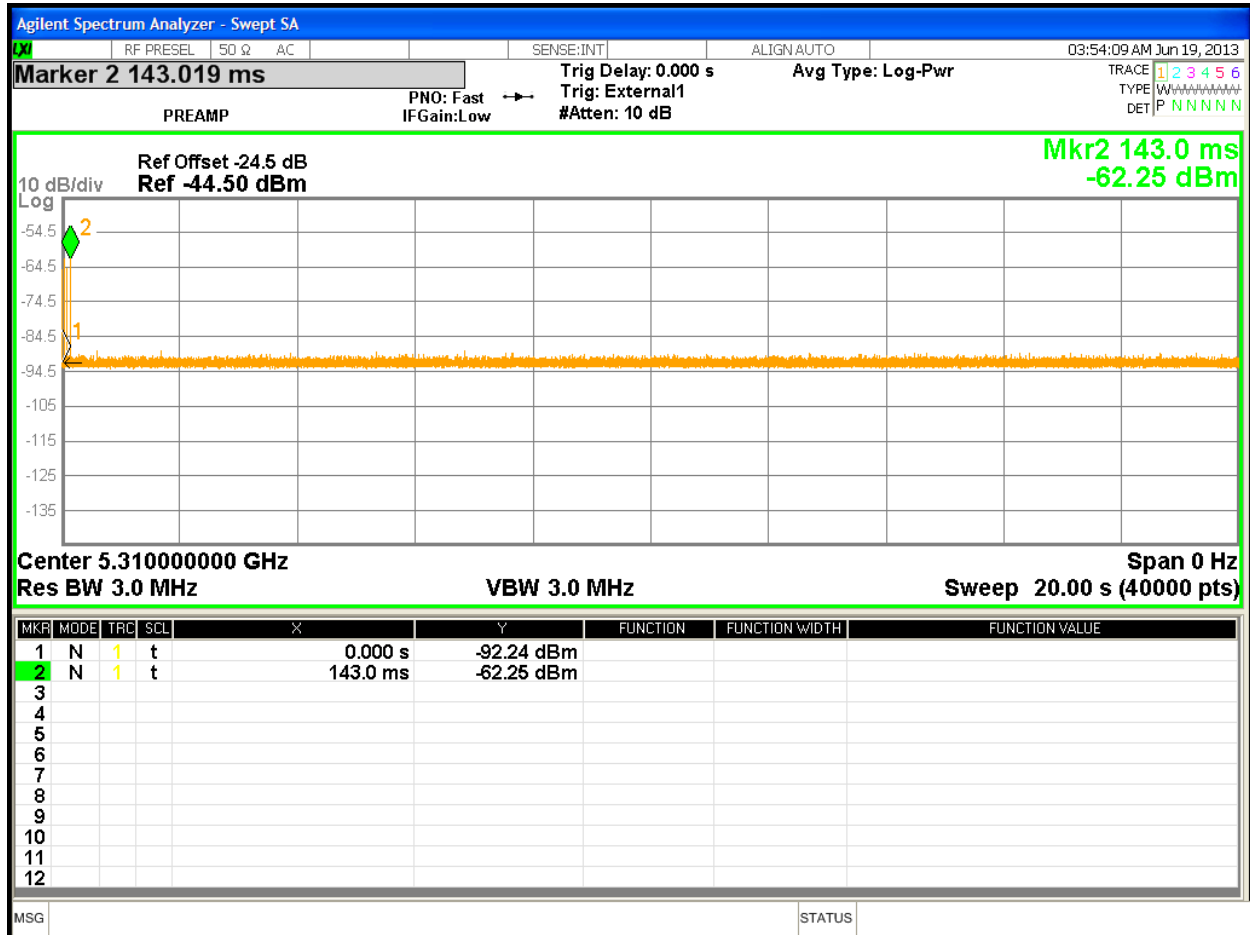


Figure 28: Channel Move Time and Channel Closing Transmission Time using Long Pulse Radar Waveform 5 in Master Mode for 40 MHz Bandwidth

Note: Spectrum Analyzer was triggered at the end of radar pulse.

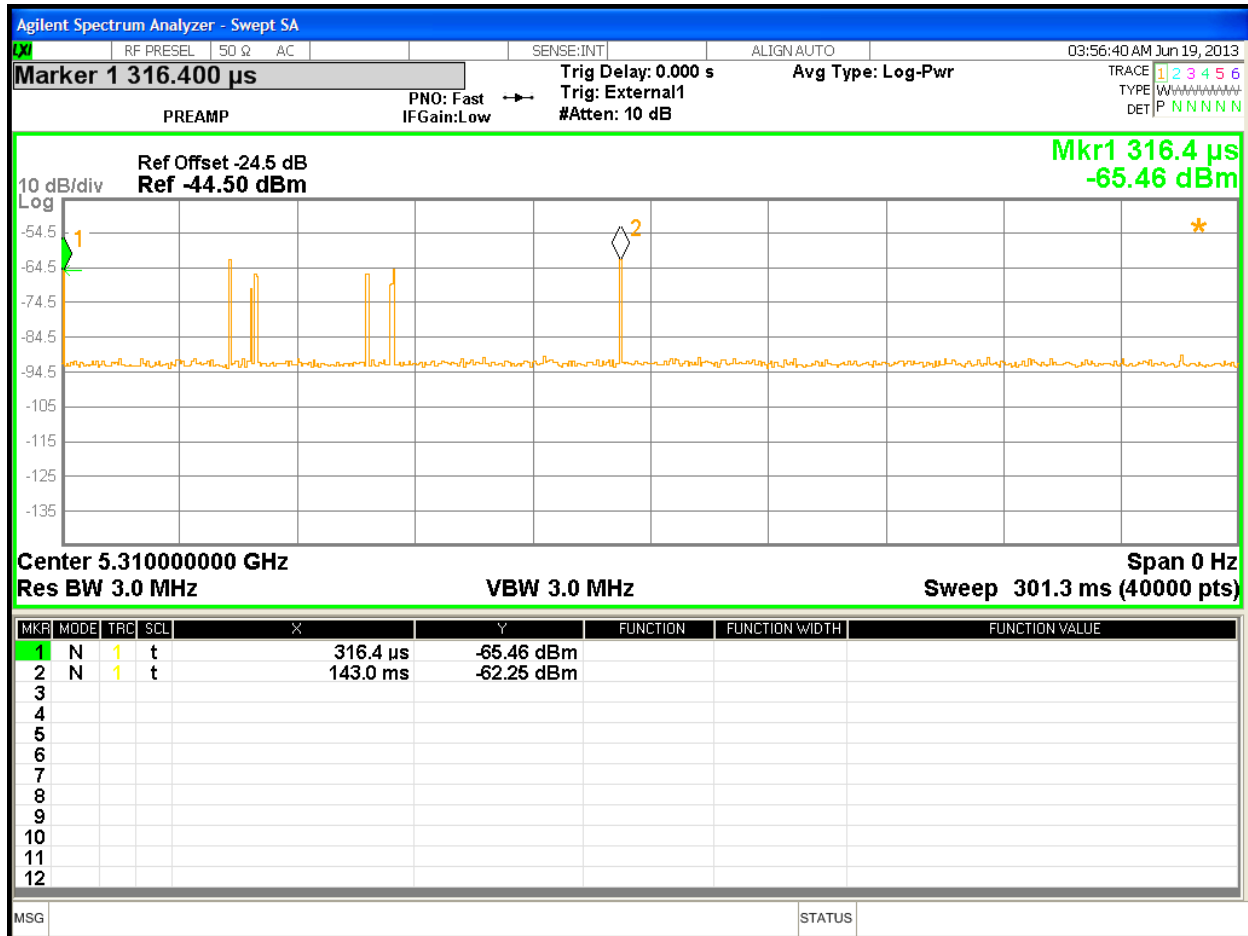


Figure 29: Channel Move Time and Channel Closing Transmission Time using Long Pulse Radar Waveform 5 in Master Mode for 40 MHz Bandwidth – (Close-up)

Note: 1. Agilent MXE Analyzer was triggered with 40000 single sweep points (Bins) at the last radar pulse. Fig. 29 was a zoom-in plot from Fig. 28.

2. The last radar pulse of Type #5 was denoted by Marker 1 at 0 ms

3. Channel Closing Transmission Time = # Bins * (20000 mS / 40000 Bins)
 = 10 bins * (20000 mS/ 40000 Bins)
 = 5.0 mS.

4. Channel Move Time (CMT) is defined as the delta of EUT's last transmission to the last pulse of radar burst.

Last Radar Pulse = 0 mS

Last Transmission = 143.0 mS

Channel Move Time = Last Transmission – Last Radar Pulse = 143.0 ms

5. No transmission happened after 200 mS, no aggregate.

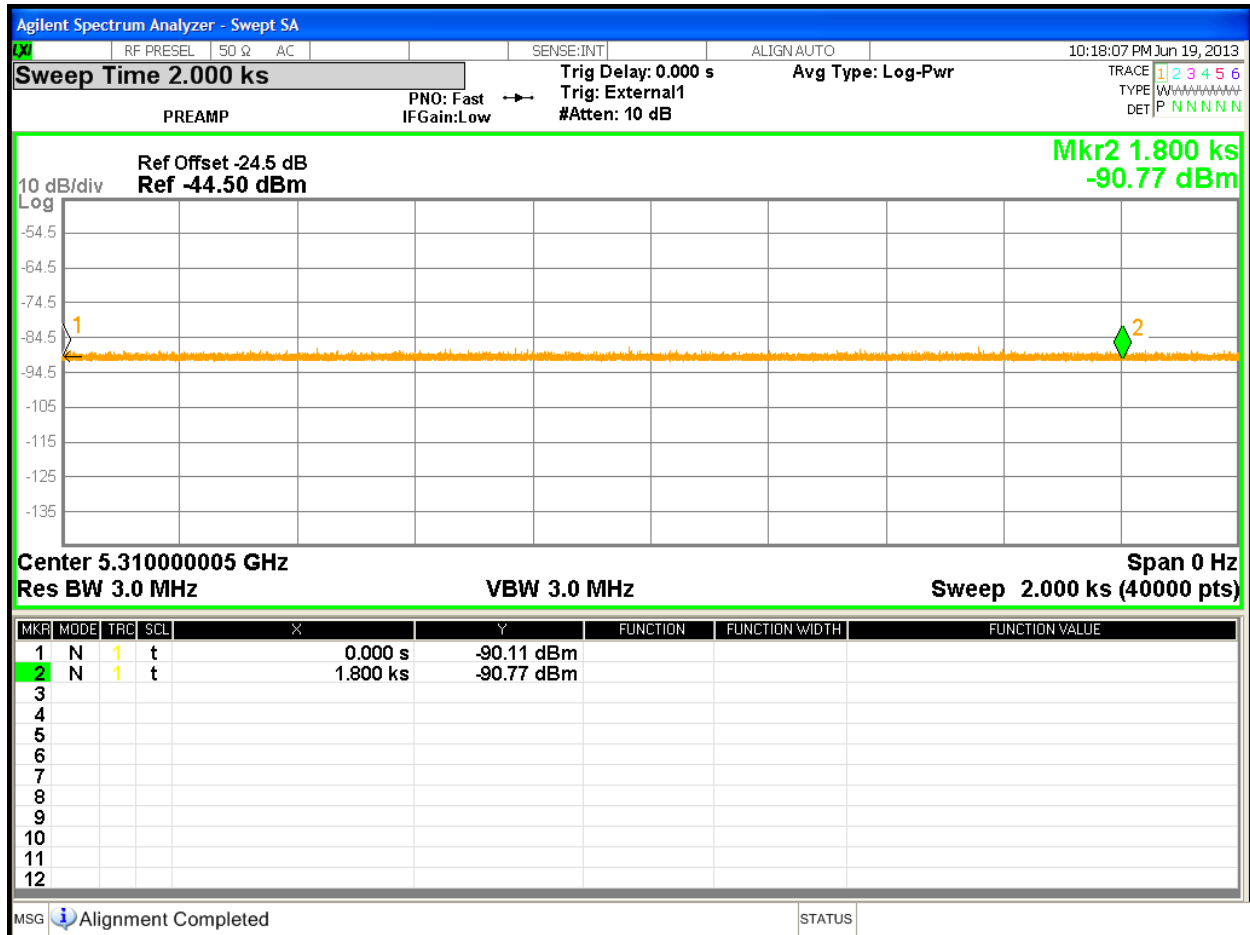


Figure 30: Non-Occupancy Period using Short Pulse Radar Waveform 1 in Master Mode for 40 MHz Bandwidth

- Note:
1. Marker #1 denotes the end of radar pulse.
 2. Marker #2 denotes the 30 minutes limit on Channel 5310 MHz.
 3. No transmission of 30 minutes after the last aggregates on the original channel.
 4. The MPEG video file was playing without any interruption.
 5. Both master and slave moved to Channel 44.

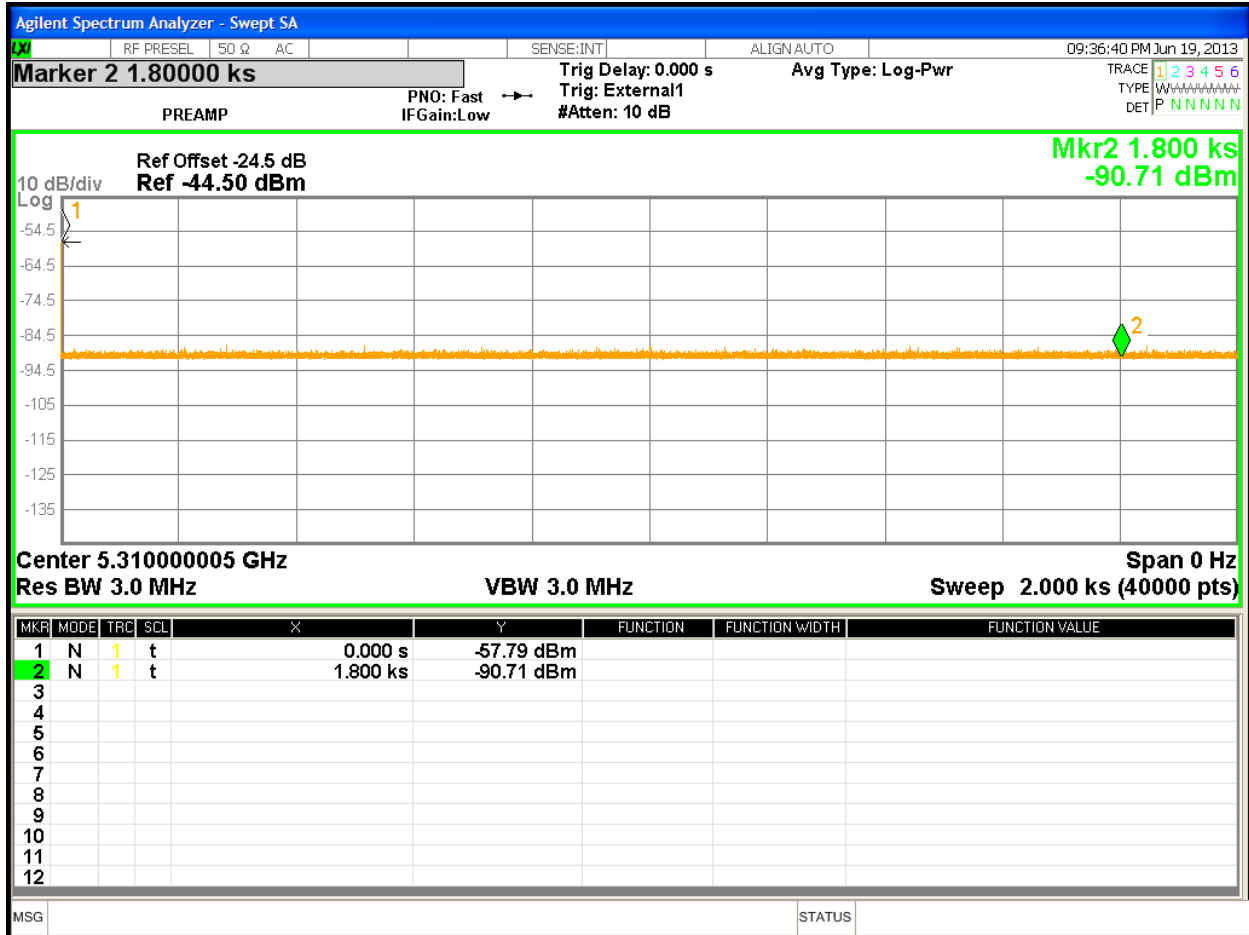


Figure 31: Non-Occupancy Period using Long Pulse Radar Waveform 5 in Master Mode for 40 MHz Bandwidth

- Note:
1. Marker #1 denotes the end of radar pulse and EUT channel closing transmission.
 2. Marker #2 denotes the 30 minutes limit on Channel 5310 MHz.
 3. No transmission of 30 minutes after the last aggregates on the original channel.
 4. The MPEG video file was playing without any interruption.
 5. Both master and slave moved to Channel 157.

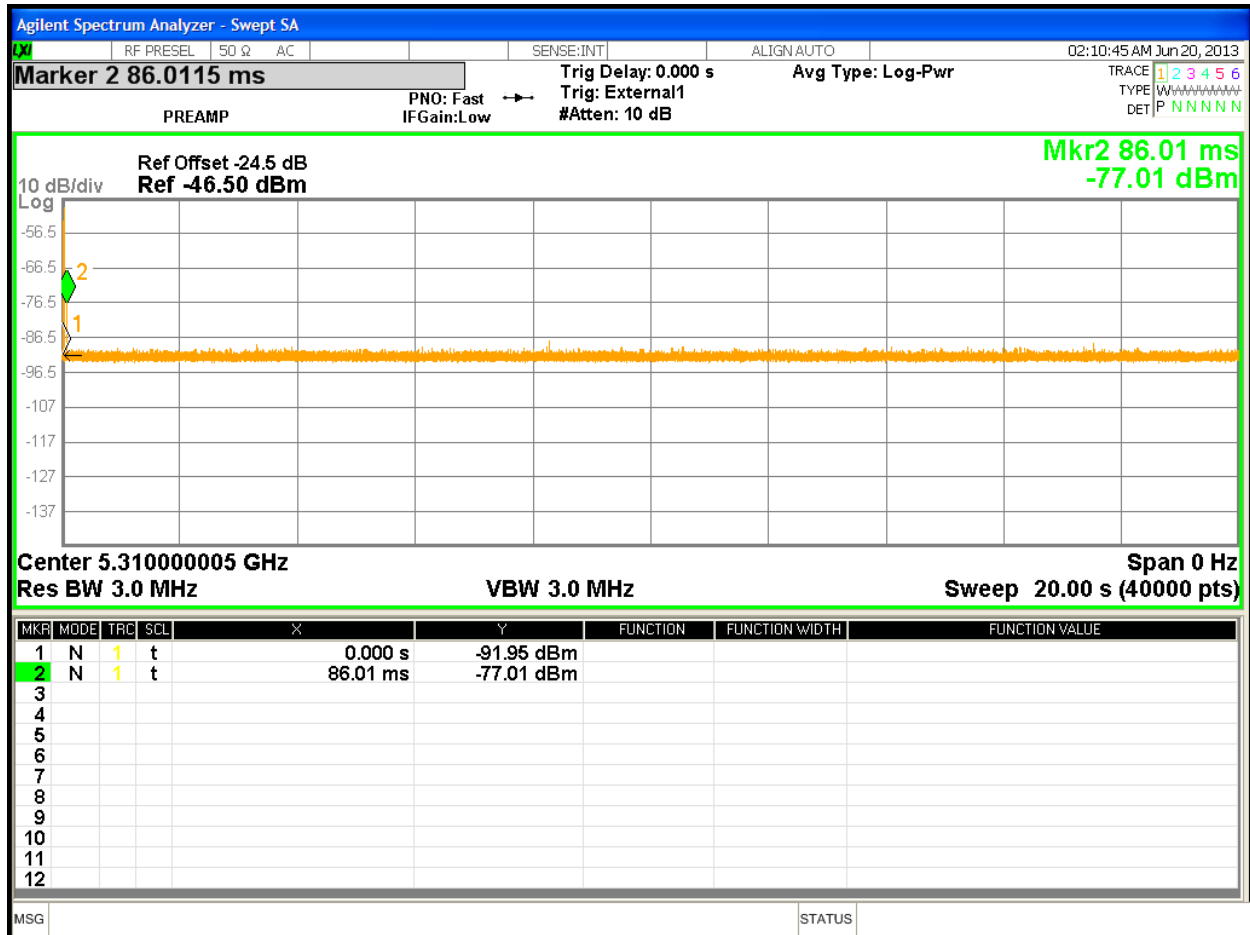


Figure 32: Channel Move Time and Channel Closing Transmission Time using Short Pulse Radar Waveform 1 in Slave Mode

Note: Spectrum Analyzer was triggered during the last burst of Type 1 radar pulse.

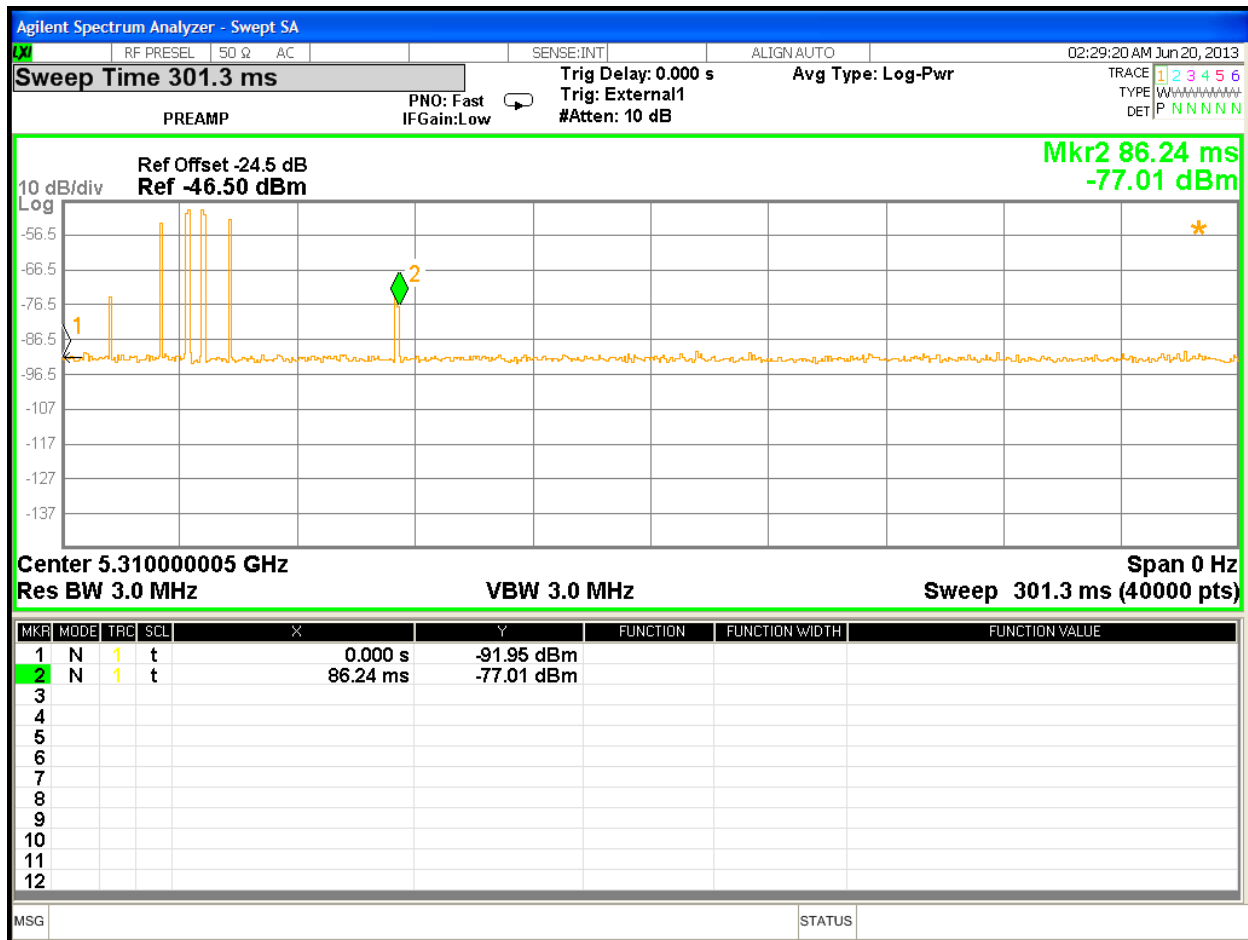


Figure 33: Channel Move Time and Channel Closing Transmission Time using Short Pulse Radar Waveform 1 in Slave Mode - (Close-up)

- Note:
1. Agilent MXE Analyzer was triggered with 40000 single sweep points (Bins) during the last radar pulse. Fig. 18 was a zoom-in plot from Fig. 17.
 2. The last radar pulse of Type #1 was denoted by Marker 1 at 0 ms
 3. Channel Closing Transmission Time = # Bins * (20000 ms / 40000 Bins)
 = 9 bins * (20000 ms / 40000 Bins)
 = 4.5 mS.
 4. Channel Move Time (CMT) is defined as the delta of EUT's last transmission to the last pulse of radar burst.
 Last Radar Pulse = 0 mS
 Last Transmission = 86.24 mS
 Channel Move Time = Last Transmission – Last Radar Pulse = 86.24 ms
 5. No transmission happened after 200 mS, no aggregate.

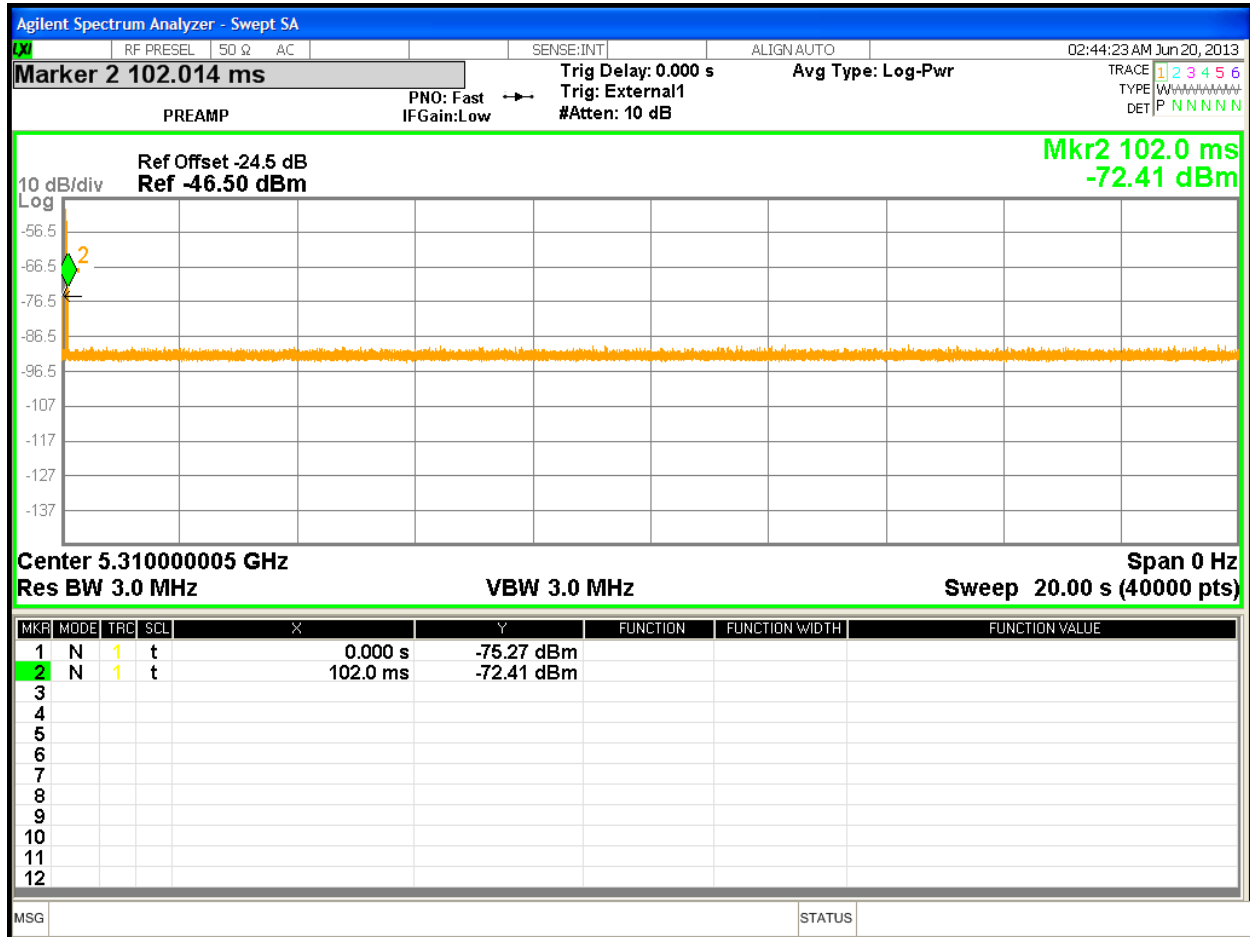


Figure 34: Channel Move Time and Channel Closing Transmission Time using Long Pulse Radar Waveform 5 in Slave Mode

Note: Spectrum Analyzer was triggered at the end of radar pulse.

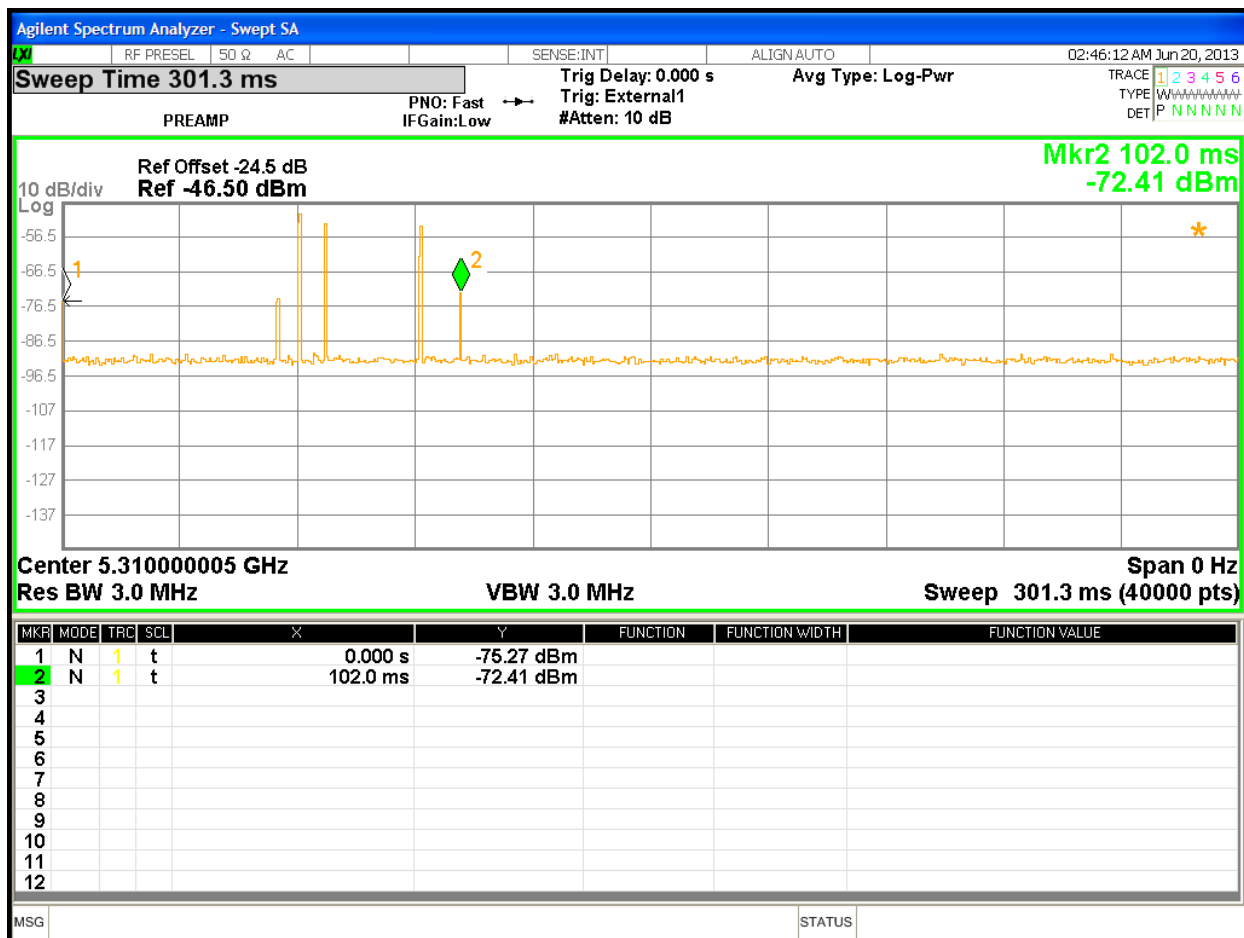


Figure 35: Channel Move Time and Channel Closing Transmission Time using Long Pulse Radar Waveform 5 in Master Mode (Close-up)

Note: 1. Agilent MXE Analyzer was triggered with 40000 single sweep points (Bins) at the last radar pulse. Fig. 20 was a zoom-in plot from Fig. 19.

2. The last radar pulse of Type #5 was denoted by Marker 1 at 0 ms

3. Channel Closing Transmission Time = # Bins * (20000 mS / 40000 Bins)
 = 9 bins * (20000 mS / 40000 Bins)
 = 4.5 mS.

4. Channel Move Time (CMT) is defined as the delta of EUT's last transmission to the last pulse of radar burst.

Last Radar Pulse = 0 mS

Last Transmission = 102.0 mS

Channel Move Time = Last Transmission – Last Radar Pulse = 102.0 ms

5. No transmission happened after 200 mS, no aggregate.

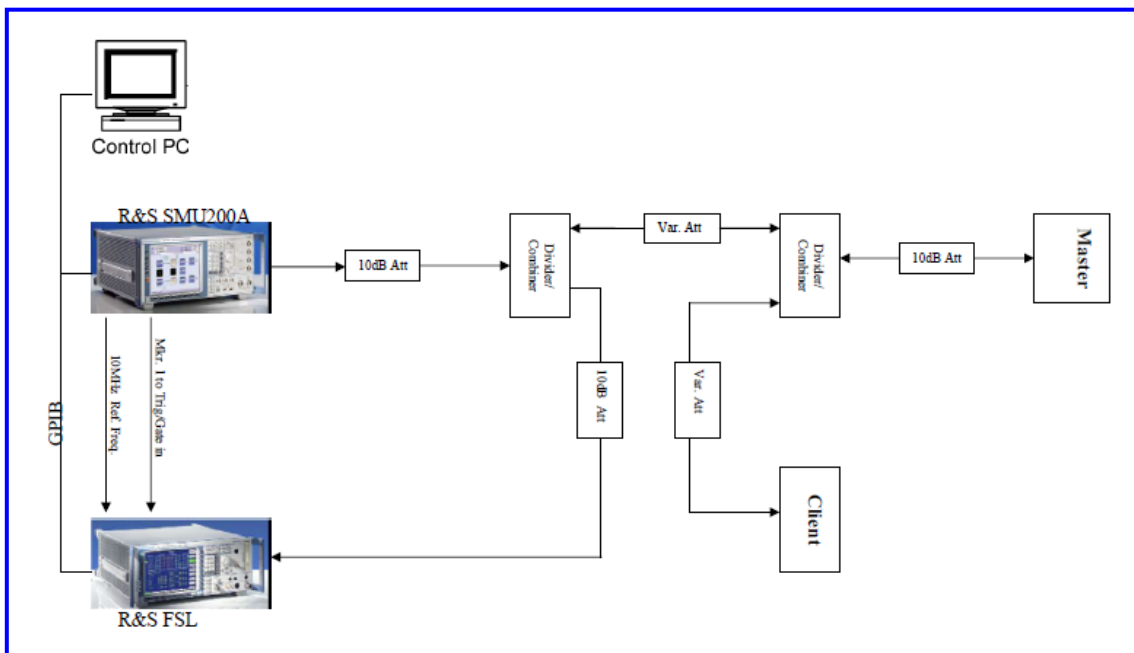
4.9 Statistic Performance Check

All six radar waveforms identified under FCC 06-96 will be applied to the U-NII device. Each waveform will be applied to the Wireless Video Access Point, Model 405 for the minimum of 30 trials while it is streaming the required MPEG video. The minimum percentage of detection and total aggregated percentage must meet the Table 6 of FCC 06-96 requirements.

4.9.1 Test Method

The FCC 06-96 U-NII Section 7.8.4 Performance Requirements Check was used for evaluating the Wireless Video Access Point, Model 405 S/N 12130M000057. It was configured to stream continuously the MPEG video in 802.11n HT40, 5310 MHz. The video was playing at the client supporting laptop end. Each verified radar waveform per Section 4.4 of this report was applied to the below coupling circuit. The final results are indicated below.

Test Setup:



4.9.2 Results

As originally tested, the EUT was found to be compliant to the requirements of the test standard(s).

Table 15: Statistic Performance Checks for 20 MHz Bandwidth – Summary

Test Date: August 23, 2013	
Test Method: <i>conducted method</i>	
Center Frequency: 5500 MHz	EUT State: Streaming MPEG Video
Min. Antenna Gain: 2.0 dBi	Max. Transmitted Power:
Required Threshold: -64dBm	Detection Threshold: -59.5 dBm
Ambient Temperature: 23°C	Relative Humidity: 30% RH

Radar Type	# of Trials	# of Detection	Successful Detection (%)	Min. % of Successful Detection	Results
Waveform #1	30	27	90.0%	60%	Complies
Waveform #2	30	25	83.3%	60%	Complies
Waveform #3	30	28	93.3%	60%	Complies
Waveform #4	30	25	83.3%	60%	Complies
Aggregate (Radar Type 1 to 4)			87.5%	80%	Complies
Waveform #5	30	28	93.3%	80%	Complies
Waveform #6	30	27	90.0%	70%	Complies
Note: None.					

Table 16: Statistic Performance Checks for 40 MHz Bandwidth – Summary

Test Date: June 3, 4, 18, and 19, 2013	
Test Method: <i>conducted method</i>	
Center Frequency: 5310 MHz	EUT State: Streaming MPEG Video
Min. Antenna Gain: 2.0 dBi	Max. Transmitted Power:
Required Threshold: -64dBm	Detection Threshold: -59.5 dBm
Ambient Temperature: 23°C	Relative Humidity: 30% RH

Radar Type	# of Trials	# of Detection	Successful Detection (%)	Min. % of Successful Detection	Results
Waveform #1	30	30	100%	60%	Complies
Waveform #2	30	29	96.7%	60%	Complies
Waveform #3	30	26	86.7%	60%	Complies
Waveform #4	30	24	80.0%	60%	Complies
Aggregate (Radar Type 1 to 4)			90.8%	80%	Complies
Waveform #5	30	28	93.3%	80%	Complies
Waveform #6	30	27	90.0%	70%	Complies
Note: None.					

Table 17: Statistic Performance Check for 20 MHz Bandwidth - FCC Radar Type 1

FCC 06-96				
Tester:	Jeremy Luong			
Test Lab:	TUV Rheinland of North America, Inc.			
Date:	August 23, 2013			
Device:	Wireless Video Bridge, Model 405			
Serial:	09130M000033			
Firmware:	V32.131.2			
Manufacturer:	Pace Americas			
Test:	Streaming MPEG file at 5500 MHz, 20 MHz			
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 1				
Trial #	Nos. of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	18	1	1428	Yes
2	18	1	1428	Yes
3	18	1	1428	Yes
4	18	1	1428	No
5	18	1	1428	Yes
6	18	1	1428	Yes
7	18	1	1428	Yes
8	18	1	1428	Yes
9	18	1	1428	Yes
10	18	1	1428	Yes
11	18	1	1428	Yes
12	18	1	1428	Yes
13	18	1	1428	No
14	18	1	1428	No
15	18	1	1428	Yes
16	18	1	1428	Yes
17	18	1	1428	Yes
18	18	1	1428	Yes
19	18	1	1428	Yes
20	18	1	1428	Yes
21	18	1	1428	Yes
22	18	1	1428	Yes
23	18	1	1428	Yes
24	18	1	1428	Yes
25	18	1	1428	Yes
26	18	1	1428	Yes
27	18	1	1428	Yes
28	18	1	1428	Yes
29	18	1	1428	Yes
30	18	1	1428	Yes

Table 18: Statistic Performance Check for 40 MHz Bandwidth - FCC Radar Type 1

FCC 06-96				
Tester:	Jeremy Luong			
Test Lab:	TUV Rheinland of North America, Inc.			
Date:	June 3, 2013			
Device:	Wireless Video Bridge, Model 405			
Serial:	12130M000057			
Firmware:	V32.131.2			
Manufacturer:	Pace Americas			
Test:	Streaming MPEG file at 5310 MHz, 40 MHz			
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 1				
Trial #	Nos. of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	18	1	1428	Yes
2	18	1	1428	Yes
3	18	1	1428	Yes
4	18	1	1428	Yes
5	18	1	1428	Yes
6	18	1	1428	Yes
7	18	1	1428	Yes
8	18	1	1428	Yes
9	18	1	1428	Yes
10	18	1	1428	Yes
11	18	1	1428	Yes
12	18	1	1428	Yes
13	18	1	1428	Yes
14	18	1	1428	Yes
15	18	1	1428	Yes
16	18	1	1428	Yes
17	18	1	1428	Yes
18	18	1	1428	Yes
19	18	1	1428	Yes
20	18	1	1428	Yes
21	18	1	1428	Yes
22	18	1	1428	Yes
23	18	1	1428	Yes
24	18	1	1428	Yes
25	18	1	1428	Yes
26	18	1	1428	Yes
27	18	1	1428	Yes
28	18	1	1428	Yes
29	18	1	1428	Yes
30	18	1	1428	Yes

Table 19: Statistic Performance Check for 20 MHz Bandwidth - FCC Radar Type 2

FCC 06-96				
Tester:	Jeremy Luong			
Test Lab:	TUV Rheinland of North America, Inc.			
Date:	August 23, 2013			
Device:	Wireless Video Bridge, Model 405			
Serial:	09130M000033			
Firmware:	V32.131.2			
Manufacturer:	Pace Americas			
Test:	Streaming MPEG file at 5500 MHz, 20 MHz			
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 2				
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	25	2.7	160	Yes
2	25	4.3	211	No
3	23	2.9	187	Yes
4	27	4.5	226	Yes
5	24	4	168	Yes
6	26	4	150	Yes
7	24	4.8	170	No
8	24	1.4	193	Yes
9	25	4.2	210	Yes
10	26	4.9	200	No
11	26	3.6	168	Yes
12	26	1	153	No
13	27	2.6	159	Yes
14	28	1.9	227	Yes
15	23	3.7	182	Yes
16	24	1.8	176	Yes
17	25	2.8	222	Yes
18	27	4.6	175	Yes
19	23	3.2	206	Yes
20	25	1.9	212	Yes
21	28	1.2	201	Yes
22	24	3.9	152	Yes
23	29	1.1	225	Yes
24	26	1.3	221	Yes
25	26	1	153	Yes
26	28	3.2	182	Yes
27	26	1.1	167	Yes
28	26	2.2	214	Yes
29	28	2.9	174	Yes
30	28	2.4	164	Yes

Table 20: Statistic Performance Check for 40 MHz Bandwidth - FCC Radar Type 2

FCC 06-96				
Tester:	Jeremy Luong			
Test Lab:	TUV Rheinland of North America, Inc.			
Date:	June 3, 2013			
Device:	Wireless Video Bridge, Model 405			
Serial:	12130M000057			
Firmware:	V32.131.2			
Manufacturer:	Pace Americas			
Test:	Streaming MPEG file at 5310 MHz, 40 MHz			
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 2				
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	24	2.9	168	Yes
2	25	3.9	209	Yes
3	25	2	216	Yes
4	24	2.3	150	Yes
5	27	1.6	189	Yes
6	27	3	195	Yes
7	24	1.9	185	Yes
8	27	2.7	213	Yes
9	26	1.6	170	Yes
10	26	2.3	166	Yes
11	23	3.1	220	Yes
12	24	4.7	179	Yes
13	26	5	157	Yes
14	27	3.1	221	Yes
15	27	1.5	153	Yes
16	23	1.2	170	Yes
17	27	1	155	Yes
18	24	3.4	211	Yes
19	29	3.7	170	Yes
20	24	3.4	228	Yes
21	25	1.6	222	Yes
22	26	2.4	162	Yes
23	23	2.3	183	Yes
24	26	3.1	198	Yes
25	29	2.5	203	Yes
26	24	3.5	153	No
27	25	3	220	Yes
28	26	1.8	154	Yes
29	26	4.8	150	Yes
30	24	4.9	219	Yes

Table 21: Statistic Performance Check for 20 MHz Bandwidth - FCC Radar Type 3

FCC 06-96				
Tester:	Jeremy Luong			
Test Lab:	TUV Rheinland of North America, Inc.			
Date:	August 23, 2013			
Device:	Wireless Video Bridge			
Serial:	09130M000033			
Firmware:	V32.131.2			
Manufacturer:	Pace Americas			
Test:	Streaming MPEG file at 5500 MHz, 20 MHz			
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 3				
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	17	6.2	302	Yes
2	16	7.3	242	Yes
3	17	9.1	397	Yes
4	18	9.5	389	Yes
5	17	7	330	Yes
6	17	9	449	Yes
7	17	8.7	266	Yes
8	17	8.4	300	No
9	17	9.1	442	Yes
10	18	9.9	415	Yes
11	18	9.4	375	Yes
12	18	9.3	335	Yes
13	17	7.9	322	Yes
14	17	9.2	367	Yes
15	18	9.4	323	Yes
16	17	9.2	473	Yes
17	17	9.1	371	Yes
18	17	9.9	365	Yes
19	18	8.3	253	Yes
20	17	8.5	407	Yes
21	17	7.2	207	Yes
22	17	7.9	418	Yes
23	17	8.4	455	Yes
24	17	8.4	251	Yes
25	18	6.6	293	Yes
26	17	8.2	362	Yes
27	17	8.4	203	No
28	18	6.8	354	Yes
29	18	7.3	312	Yes
30	17	6	498	Yes

Table 22: Statistic Performance Check for 40 MHz Bandwidth - FCC Radar Type 3

FCC 06-96				
Tester:	Jeremy Luong			
Test Lab:	TUV Rheinland of North America, Inc.			
Date:	June 3, 2013			
Device:	Wireless Video Bridge			
Serial:	12130M000057			
Firmware:	V32.131.2			
Manufacturer:	Pace Americas			
Test:	Streaming MPEG file at 5310 MHz, 40 MHz			
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 3				
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	16	7.3	499	Yes
2	16	9.9	294	Yes
3	17	6.8	301	Yes
4	17	7.2	257	Yes
5	16	8.1	212	Yes
6	17	8.7	459	Yes
7	18	9.1	226	Yes
8	16	9.7	380	No
9	18	9.7	354	Yes
10	17	8.9	218	Yes
11	16	7.3	462	No
12	18	9.9	321	Yes
13	17	9.8	257	Yes
14	17	6.4	280	No
15	17	7.1	243	Yes
16	18	9.6	350	Yes
17	16	9.5	420	Yes
18	17	8.5	285	Yes
19	18	6.1	372	Yes
20	17	6.2	241	Yes
21	16	8.2	422	Yes
22	17	10	228	Yes
23	18	7.6	247	No
24	16	8.5	260	Yes
25	18	7.7	350	Yes
26	17	9.3	321	Yes
27	17	8.4	299	Yes
28	18	8.6	320	Yes
29	16	6.4	496	Yes
30	16	9.6	351	Yes

Table 23: Statistic Performance Check for 20 MHz Bandwidth - FCC Radar Type 4

FCC 06-96				
Tester:	Jeremy Luong			
Test Lab:	TUV Rheinland of North America, Inc.			
Date:	August 23, 2013			
Device:	Wireless Video Bridge			
Serial:	09130M000033			
Firmware:	V32.131.2			
Manufacturer:	Pace Americas			
Test:	Streaming MPEG file at 5500 MHz, 20 MHz			
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 4				
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	14	15	308	Yes
2	16	14.3	223	Yes
3	15	11.7	229	Yes
4	14	14.4	364	Yes
5	14	12.8	485	Yes
6	13	15.1	265	Yes
7	14	11.7	297	No
8	13	14	203	No
9	15	15.7	201	Yes
10	14	11.5	211	Yes
11	15	17.8	471	Yes
12	15	12.4	336	Yes
13	12	13	215	Yes
14	14	16.1	244	Yes
15	16	13.7	289	Yes
16	14	18.8	273	Yes
17	13	11.4	346	No
18	15	19.1	255	Yes
19	15	12.8	263	Yes
20	14	13.1	239	No
21	12	19.9	468	No
22	14	13	214	Yes
23	14	19.8	361	Yes
24	14	17.1	373	Yes
25	15	15.6	244	Yes
26	14	20	316	Yes
27	12	16.9	297	Yes
28	15	15.2	230	Yes
29	13	11	235	Yes
30	15	19.2	324	Yes

Table 24: Statistic Performance Check for 40 MHz Bandwidth - FCC Radar Type 4

FCC 06-96				
Tester:	Jeremy Luong			
Test Lab:	TUV Rheinland of North America, Inc.			
Date:	June 4, 2013			
Device:	Wireless Video Bridge			
Serial:	12130M000057			
Firmware:	V32.131.2			
Manufacturer:	Pace Americas			
Test:	Streaming MPEG file at 5310 MHz, 40 MHz			
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 4				
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	14	14.2	357	Yes
2	14	11.2	343	Yes
3	15	12.4	389	No
4	14	14	237	Yes
5	14	18.9	296	Yes
6	15	18.2	219	Yes
7	12	11.9	210	Yes
8	15	16.3	237	No
9	15	11.1	276	Yes
10	15	13	248	Yes
11	16	14.4	255	Yes
12	14	16.2	405	No
13	14	16.8	461	Yes
14	14	18.6	349	Yes
15	16	13.8	464	Yes
16	12	15.5	354	Yes
17	16	17	300	No
18	15	18.3	361	Yes
19	14	19.7	447	Yes
20	14	18.9	203	Yes
21	13	15.8	460	No
22	12	11.7	421	Yes
23	12	19	399	Yes
24	15	17.3	395	Yes
25	12	11.2	212	No
26	14	17.7	438	Yes
27	15	17.7	247	Yes
28	12	17.5	477	Yes
29	13	16	484	Yes
30	16	15.7	248	Yes

Table 25: Statistic Performance Check for 20 MHz Bandwidth - FCC Radar Type 5

FCC 06-96		
Tester:	Jeremy Luong	
Test Lab:	TUV Rheinland of North America, Inc.	
Date:	August, 24 2013	
Device:	Wireless Video Bridge	
Serial:	09130M000033	
Firmware:	V32.131.2	
Manufacturer:	Pace Americas	
Test:	Streaming MPEG file at 5500 MHz, 20 MHz	
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 5		
Trial #	Radar Type 5 Files	Detection (yes/no)
1	FCC0696-T5-08-TRIAL-1	Yes
2	FCC0696-T5-09-TRIAL-2	Yes
3	FCC0696-T5-10-TRIAL-3	Yes
4	FCC0696-T5-11-TRIAL-4	Yes
5	FCC0696-T5-12-TRIAL-5	Yes
6	FCC0696-T5-13-TRIAL-6	Yes
7	FCC0696-T5-14-TRIAL-7	Yes
8	FCC0696-T5-15-TRIAL-8	Yes
9	FCC0696-T5-16-TRIAL-9	Yes
10	FCC0696-T5-17-TRIAL-10	Yes
11	FCC0696-T5-18-TRIAL-11	Yes
12	FCC0696-T5-19-TRIAL-12	Yes
13	FCC0696-T5-20-TRIAL-13	Yes
14	FCC0696-T5-11-TRIAL-14	Yes
15	FCC0696-T5-17-TRIAL-15	Yes
16	FCC0696-T5-08-TRIAL-16	No
17	FCC0696-T5-19-TRIAL-17	Yes
18	FCC0696-T5-15-TRIAL-18	Yes
19	FCC0696-T5-20-TRIAL-19	Yes
20	FCC0696-T5-18-TRIAL-20	Yes
21	FCC0696-T5-10-TRIAL-21	Yes
22	FCC0696-T5-16-TRIAL-22	Yes
23	FCC0696-T5-09-TRIAL-23	Yes
24	FCC0696-T5-13-TRIAL-24	Yes
25	FCC0696-T5-12-TRIAL-25	Yes
26	FCC0696-T5-11-TRIAL-26	Yes
27	FCC0696-T5-20-TRIAL-27	Yes
28	FCC0696-T5-14-TRIAL-28	Yes
29	FCC0696-T5-08-TRIAL-29	No
30	FCC0696-T5-09-TRIAL-30	Yes
Note: See Appendix A for Type 5 Radar Pulse details.		

Table 26: Statistic Performance Check for FCC Radar Type 5 for 40 MHz Bandwidth

FCC 06-96		
Tester:	Jeremy Luong	
Test Lab:	TUV Rheinland of North America, Inc.	
Date:	June 18, 2013	
Device:	Wireless Video Bridge	
Serial:	12130M000057	
Firmware:	V32.131.2	
Manufacturer:	Pace Americas	
Test:	Streaming MPEG file at 5310 MHz, 40 MHz	
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 5		
Trial #	Radar Type 5 Files	Detection (yes/no)
1	FCC0696-T5-08-TRIAL-1	Yes
2	FCC0696-T5-09-TRIAL-2	Yes
3	FCC0696-T5-10-TRIAL-3	Yes
4	FCC0696-T5-11-TRIAL-4	Yes
5	FCC0696-T5-12-TRIAL-5	No
6	FCC0696-T5-13-TRIAL-6	Yes
7	FCC0696-T5-14-TRIAL-7	Yes
8	FCC0696-T5-15-TRIAL-8	Yes
9	FCC0696-T5-16-TRIAL-9	Yes
10	FCC0696-T5-17-TRIAL-10	Yes
11	FCC0696-T5-18-TRIAL-11	Yes
12	FCC0696-T5-19-TRIAL-12	Yes
13	FCC0696-T5-20-TRIAL-13	Yes
14	FCC0696-T5-10-TRIAL-14	No
15	FCC0696-T5-19-TRIAL-15	Yes
16	FCC0696-T5-8-TRIAL-16	Yes
17	FCC0696-T5-16-TRIAL-17	Yes
18	FCC0696-T5-20-TRIAL-18	Yes
19	FCC0696-T5-14-TRIAL-19	Yes
20	FCC0696-T5-11-TRIAL-20	Yes
21	FCC0696-T5-08-TRIAL-21	Yes
22	FCC0696-T5-16-TRIAL-22	Yes
23	FCC0696-T5-13-TRIAL-23	Yes
24	FCC0696-T5-18-TRIAL-24	Yes
25	FCC0696-T5-12-TRIAL-25	Yes
26	FCC0696-T5-09-TRIAL-26	Yes
27	FCC0696-T5-20-TRIAL-27	Yes
28	FCC0696-T5-19-TRIAL-28	Yes
29	FCC0696-T5-10-TRIAL-29	Yes
30	FCC0696-T5-15-TRIAL-30	Yes
Note: See Appendix A for Type 5 Radar Pulse details.		

Table 27: Statistic Performance Check for FCC Radar Type 6 for 20 MHz Bandwidth

FCC 06-96		
Tester:	Jeremy Luong	
Test Lab:	TUV Rheinland of North America, Inc.	
Date:	August, 25 2013	
Device:	Wireless Video Bridge	
Serial:	09130M000033	
Firmware:	V32.131.2	
Manufacturer:	Pace Americas	
Test:	Streaming MPEG file at 5500 MHz, 20 MHz	
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 6		
Trial #	Radar Type 6 Files	Detection (yes/no)
1	FCC0696-T6-TRIAL-1	Yes
2	FCC0696-T6-TRIAL-2	Yes
3	FCC0696-T6-TRIAL-3	Yes
4	FCC0696-T6-TRIAL-4	Yes
5	FCC0696-T6-TRIAL-5	Yes
6	FCC0696-T6-TRIAL-6	Yes
7	FCC0696-T6-TRIAL-7	Yes
8	FCC0696-T6-TRIAL-8	Yes
9	FCC0696-T6-TRIAL-9	Yes
10	FCC0696-T6-TRIAL-10	Yes
11	FCC0696-T6-TRIAL-11	Yes
12	FCC0696-T6-TRIAL-12	Yes
13	FCC0696-T6-TRIAL-13	Yes
14	FCC0696-T6-TRIAL-14	Yes
15	FCC0696-T6-TRIAL-15	Yes
16	FCC0696-T6-TRIAL-16	Yes
17	FCC0696-T6-TRIAL-17	Yes
18	FCC0696-T6-TRIAL-18	Yes
19	FCC0696-T6-TRIAL-19	Yes
20	FCC0696-T6-TRIAL-20	Yes
21	FCC0696-T6-TRIAL-21	Yes
22	FCC0696-T6-TRIAL-22	Yes
23	FCC0696-T6-TRIAL-23	Yes
24	FCC0696-T6-TRIAL-24	No
25	FCC0696-T6-TRIAL-25	Yes
26	FCC0696-T6-TRIAL-26	Yes
27	FCC0696-T6-TRIAL-27	No
28	FCC0696-T6-TRIAL-28	Yes
29	FCC0696-T6-TRIAL-29	No
30	FCC0696-T6-TRIAL-30	Yes
Note: See Appendix A for Type 6 Radar Pulse hopping patterns.		

Table 28: Statistic Performance Check for FCC Radar Type 6 for 40 MHz Bandwidth

FCC 06-96		
Tester:	Jeremy Luong	
Test Lab:	TUV Rheinland of North America, Inc.	
Date:	June 19, 2013	
Device:	Wireless Video Bridge	
Serial:	12130M000057	
Firmware:	V32.131.2	
Manufacturer:	Pace Americas	
Test:	Streaming MPEG file at 5310 MHz, 40 MHz	
Rohde & Schwarz K6 Pulse Sequencer - RADAR TYPE 6		
Trial #	Radar Type 6 Files	Detection (yes/no)
1	FCC0696-T6-TRIAL-1	Yes
2	FCC0696-T6-TRIAL-2	Yes
3	FCC0696-T6-TRIAL-3	Yes
4	FCC0696-T6-TRIAL-4	Yes
5	FCC0696-T6-TRIAL-5	Yes
6	FCC0696-T6-TRIAL-6	Yes
7	FCC0696-T6-TRIAL-7	Yes
8	FCC0696-T6-TRIAL-8	Yes
9	FCC0696-T6-TRIAL-9	Yes
10	FCC0696-T6-TRIAL-10	Yes
11	FCC0696-T6-TRIAL-11	Yes
12	FCC0696-T6-TRIAL-12	Yes
13	FCC0696-T6-TRIAL-13	Yes
14	FCC0696-T6-TRIAL-14	No
15	FCC0696-T6-TRIAL-15	Yes
16	FCC0696-T6-TRIAL-16	Yes
17	FCC0696-T6-TRIAL-17	Yes
18	FCC0696-T6-TRIAL-18	Yes
19	FCC0696-T6-TRIAL-19	Yes
20	FCC0696-T6-TRIAL-20	Yes
21	FCC0696-T6-TRIAL-21	Yes
22	FCC0696-T6-TRIAL-22	Yes
23	FCC0696-T6-TRIAL-23	Yes
24	FCC0696-T6-TRIAL-24	Yes
25	FCC0696-T6-TRIAL-25	Yes
26	FCC0696-T6-TRIAL-26	Yes
27	FCC0696-T6-TRIAL-27	No
28	FCC0696-T6-TRIAL-28	No
29	FCC0696-T6-TRIAL-29	Yes
30	FCC0696-T6-TRIAL-30	Yes
Note: See Appendix A for Type 6 Radar Pulse hopping patterns.		

5 Test Equipment Use List

Equipment	Manufacturer	Model #	Serial/Inst #	Last Cal mm/dd/yy	Next Cal mm/dd/yy
Digital Multimeter	Fluke	177	92780314	01/17/2013	01/17/2014
Power Meter	Agilent	E4418B	MY45103902	01/19/2013	01/19/2014
Power Sensor	Hewlett Packard	8482A	55-5131	01/19/2013	01/19/2014
Spectrum Analyzer	Rhode Schwarz	FSL6	100169	02/07/2013	02/07/2014
Spectrum Analyzer	Agilent	N9038A	MY51210195	01/19/2013	01/19/2014
Vector Signal Generator	Rhode Schwarz	SMU 200A	1141.2005.02	06/13/2013	06/13/2014
Amplifier	Hewlett Packard	8449B	30008A01014	01/17/2013	01/17/2014

* Calibration of equipment past due for re-calibration will be performed expeditiously. If any equipment is found to be out of tolerance at that time, affected customers will be notified accordingly.

6 Test Setup Photo



Figure 36: DFS Test Setup Photo

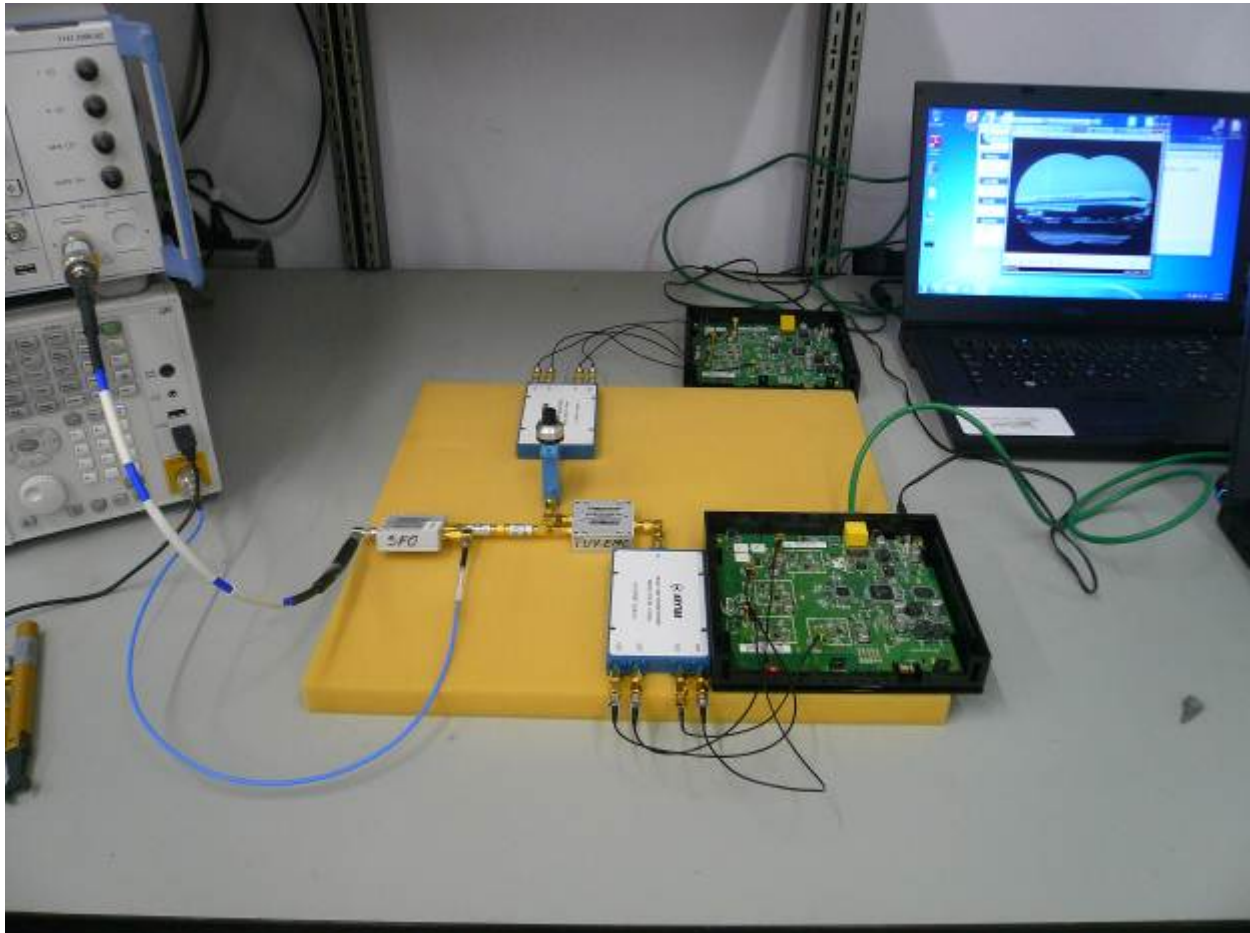


Figure 37: DFS Test Setup Photo for Master Mode – Close-up



Figure 38: DFS Test Setup Photo for Slave Mode – Close-up

7 DFS Test Plan

7.1 Introduction

This section provides a description of the Equipment Under Test (EUT), configurations, operating conditions, and performance acceptance criteria. It is an overview of information provided by the manufacturer so that the test laboratory may perform the requested testing.

7.2 Customer

Table 29: Customer Information

Company Name	Pace Americas
Address	310 Providence Mine Road, Ste. 200
City, State, Zip	Nevada City, CA 95959
Country	U.S.A.
Phone	(530) 274 5440
Fax	(530) 273 6340

Table 30: Technical Contact Information

Name	Mark Rieger
E-mail	Mark.Rieger@pace.com
Phone	(530) 274 5440
Fax	(530) 273 6340

7.3 Equipment Under Test (EUT)

Table 31: EUT Specifications

EUT Specification	
Dimensions	6.0" x 5.6" x 1.3"
AC Adapter (Pace M/N:T018WA1225, S/N:810611302000003156)	Input Voltage: 120 Vac, 50-60 Hz Input Current: 680mA Output Voltage: 12VDC Output Current: 1.5A
Environment	Indoor and Outdoor
Operating Temperature Range:	0 to 40 degrees C
Multiple Feeds:	<input type="checkbox"/> Yes and how many <input checked="" type="checkbox"/> No
Hardware Version	Rev. CAD C
Part Number	297T1001700
Firmware	V32.131.2 (Quantenna Communication)
RF Software Version	Busy Box V1.10.3 (2013-2-21)
802.11-radio modules	
Operating Mode	802.11a, HT20, and HT40
Transmitter Frequency Band	5.15 GHz to 5.25 GHz (Indoor Use only, No DFS) 5.25 GHz to 5.35 GHz 5.47 GHz to 5.725 GHz (excludes 5600 MHz to 5650 MHz) 5.725 GHz to 5.85 GHz (No DFS)
Max. Rated Power Output	See Channel Planning Table.
Power Setting @ Operating Channel	See Channel Planning Table.
Antenna Type	3 integrated PCB dipole antenna and 1 attached stamped loop antenna
Antenna Gain	+2 dBi per antenna. (Same for both antenna type) +8 dBi max directional gain
Modulation Type	<input type="checkbox"/> AM <input type="checkbox"/> FM <input checked="" type="checkbox"/> DSSS <input checked="" type="checkbox"/> OFDM <input type="checkbox"/> Other describe:
Data Rate	802.11n HT20: 4 Spatial Streams: 26, 52, 78, 104, 156, 208, 234, 260 Mbps 802.11n HT40: 4 Spatial Streams: 54, 108, 162, 216, 324, 432, 486, 540 Mbps
TX/RX Chain (s)	MIMO (4x4)

EUT Specification	
Directional Gain Type	<input checked="" type="checkbox"/> Correlated <input checked="" type="checkbox"/> Beam-Forming <input type="checkbox"/> Other describe:
Type of Equipment	<input checked="" type="checkbox"/> Table Top <input type="checkbox"/> Wall-mount <input type="checkbox"/> Floor standing cabinet <input type="checkbox"/> Other
Note: 1. All four chains will be on / transmitted at all time. 2. The Busy Box software is used to force “No Jump” and provides feedback when radar pulse detected; via Telnet 3. Quantenna Communication Firmware uses to configure the operating channel and wireless status. 4. 20 MHz and 40 MHz channel bandwidths are available for DFS evaluation. 4.This report only documents the DFS characteristics for operating band 5250 -5350 MHz and 5470 - 5725 MHz bands; excluding 5600-5650 MHz band.	

Table 32: EUT Channel Power Specifications

No.	Frequency (MHz)	Target Power Value				
		802.11b	802.11g	802.11a	802.11n HT20	802.11n HT40
36	5180				10.0	11.0
40	5200				9.0	
44	5220				9.0	11.0
48	5240				9.0	
52	5260				15.0	17.0
56	5280				15.0	
60	5300				15.0	14.0
64	5320				15.0	
100	5500				16.0	16.0
104	5520				16.0	
108	5540				16.0	18.0
112	5560				16.0	
116	5580				16.0	
120	5600					
124	5620					
128	5640					
132	5660				16.0	18.0
136	5680				16.0	
140	5700				16.0	
149	5745				22.0	22.0
153	5765				22.0	
157	5785				22.0	22.0
159	5795				22.0	
161	5805				22.0	
165	5825				22.0	
Note: 1. The center operating frequency is shifted upward by 10 MHz for HT40. 2. The final adjusted power targets are updated at the above indicated frequencies.						

Table 33: Interface Specifications

Interface Type	Cabled with what type of cable?	Is the cable shielded?	Maximum potential length of the cable?	Metallic (M), Coax (C), Fiber (F), or Not Applicable?
RJ45	CAT-5 Ethernet	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Metric: 1 m	<input checked="" type="checkbox"/> M

Table 34: Supported Equipment

Equipment	Manufacturer	Model	Serial	Used for
Laptop	Dell	M4500	18681427369	Configure EUT (Master)
Laptop	Dell	M4500	42626033065	Stream the video (Client)
Note: None.				

Table 35: Description of Sample used for Testing

Device	Serial	FCC 06-96	RF Connection
Master	12130M000057	Use for 40 MHz bandwidth DFS tests	Use all 4 Murada connections on EUT since all antennas are active at all time.
Master	09130M000033	Use for 20 MHz bandwidth DFS tests	
Slave	12130M000140	Channel Closing Transmission and Channel Move Time	

Table 36: Test Mode for DFS

Test	20 MHz BW	40 MHz BW	Comments
DFS Detection Threshold	5500 MHz, 4 Streams	5310 MHz, 4 Streams	EUT transmits more than 200 mW. Calculate the detection threshold and used to verify all 6 types of waveforms.
U-NII Detection Bandwidth	5500 MHz, 4 Streams	5310 MHz, 4 Streams	Inject verified Type 1 waveforms with EUT.
Performance Requirements Checks	5500 MHz, 4 Streams	5310 MHz, 4 Streams	No traffic. Client terminal of the coupling circuit terminated with 50 Ohms.
In-Service Monitoring	5500 MHz, 4 Streams	5310 MHz, 4 Streams	Stream / and play the MPEG video at the client end.

Test	20 MHz BW	40 MHz BW	Comments
Radar Statistic Performance Check	5500 MHz, 4 Streams	5310 MHz, 4 Streams	Stream / and play the MPEG video at the client end.
Note: 1. 5310 MHz was selected to represent 20 MHz bandwidth DFS characteristics of EUT. 2. 5500 MHz was selected to represent 40 MHz bandwidth DFS characteristics of EUT. 3. All four chains will be on at all time.			

7.4 Test Specification

Testing requirements.

Table 37: Test Specifications

Dynamic Frequency Selection	
Standard	Requirement
CFR 47 Part 15.407(h) 2013 and FCC (MO&O) 06-96	All
RSS 210 Issue 8, 2010	All

Appendix A

A.1 Radar Type 5 Parameters for 20 MHz Bandwidth

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 1						
Bursts in Trial: 8						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	50.8	20			1306
2	1	69.8	6			1365
3	3	87.8	20	1245	1809	21
4	2	64.9	11	1529		67
5	2	55.3	20	1450		1426
6	2	92.3	12	1240		1234
7	2	100	14	1508		1109
8	3	99.6	6	1263	967	640
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-08-TRIAL-1			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 2						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	59.6	14	1315		36
2	2	54.4	5	1655		830
3	2	81.2	13	966		210
4	1	74	13			695
5	2	52	8	1572		802
6	2	63.8	14	1467		835
7	1	79.2	19			105
8	1	80.3	5			1064
9	3	72.6	20	1469	1722	548
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-09-TRIAL-2			

TYPE 5 PARAMETER SHEET						Rohde & Schwarz K6 Pulse Sequencer
Trial Number : 3						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	66.8	13			849
2	3	74.1	10	1138	1116	330
3	3	84.6	17	1347	1416	236
4	1	87.7	13			749
5	3	92.7	10	1006	1062	867
6	2	74.3	13	1761		843
7	2	84.7	10	1458		503
8	1	65.6	5			734
9	2	87.4	13	1013		516
10	2	60.5	14	1669		1051
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-10-TRIAL-3			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 4						
Bursts in Trial: 11						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	59.1	13	1643		575
2	3	59.4	11	1911	1051	978
3	1	54.3	8			776
4	2	98.1	17	1755		355
5	2	91.1	13	1825		83
6	2	78.7	6	973		325
7	2	95.8	13	1789		157
8	2	88	13	1050		200
9	3	95.6	14	1797	1780	919
10	2	90.8	17	1478		859
11	2	81.3	20	1466		188
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-11-TRIAL-4			

TYPE 5 PARAMETER SHEET						Rohde & Schwarz K6 Pulse Sequencer
Trial Number : 5						
Bursts in Trial: 12						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	88.2	15	1289		232
2	3	70.8	12	1596	1399	90
3	3	80.6	10	1463	1623	835
4	2	66.1	8	1532		961
5	2	92	10	967		397
6	3	63.1	17	1842	958	617
7	2	98.3	19	1221		754
8	3	68.6	9	1569	1556	767
9	3	74.9	13	1891	1525	932
10	1	65.1	15			702
11	3	96.6	19	1355	1557	304
12	2	53.9	9	1677		99
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-12-TRIAL-5			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 6						
Bursts in Trial: 13						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	53.1	7	1723		403
2	2	78.4	14	1122		911
3	2	86.9	5	1594		298
4	1	60.5	18			96
5	2	66.2	14	1413		286
6	1	90.4	6			628
7	2	84	5	1136		671
8	3	71.5	13	1366	1076	251
9	2	83.4	7	1651		656
10	2	82.3	18	1677		759
11	1	98	8			359
12	3	87.1	10	1654	1470	724
13	2	84.6	19	1122		727
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-13-TRIAL-6			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 7						
Bursts in Trial: 14						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	65.5	7	1600	1043	818
2	3	58.5	19	1631	1312	477
3	2	65.1	12	980		782
4	3	72.3	13	1047	1387	81
5	2	65.7	7	1394		130
6	1	73.4	17			581
7	3	79.8	12	1139	1084	33
8	2	82.6	15	1212		814
9	2	87.4	13	1208		490
10	2	80.1	14	1724		827
11	1	60.7	19			714
12	1	52.9	13			301
13	2	55.8	9	1671		381
14	3	63.2	17	1128	1927	537
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-14-TRIAL-7			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 8						
Bursts in Trial: 15						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	68.2	19	1296		551
2	2	50.2	8	1077		655
3	1	77.9	8			476
4	2	70.8	13	1655		104
5	3	90.3	13	1296	1382	128
6	2	98	9	1704		762
7	2	62.5	17	1902		145
8	3	71.7	13	1051	1657	190
9	2	66.1	10	1855		32
10	3	60.6	13	1239	1226	22
11	2	89	13	1391		131
12	1	98.5	15			138
13	2	78.5	20	1866		673
14	2	57.5	5	956		772
15	2	84.5	12	1116		763
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-15-TRIAL-8			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 9						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	62.8	7	1705		82
2	2	67.5	12	1080		265
3	3	66.1	20	1859	1619	474
4	1	90.3	12			327
5	2	75.5	10	1871		734
6	2	68.4	20	1535		413
7	1	63.1	19			411
8	2	55.9	20	1413		78
9	3	78	18	1913	964	710
10	2	53	20	1477		601
11	2	84.4	13	1059		174
12	1	63.8	13			419
13	2	62.8	14	1607		714
14	1	97.3	7			451
15	1	75.1	7			739
16	3	91.6	20	1414	1025	672
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-16-TRIAL-9			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 10						
Bursts in Trial: 17						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	50.4	18	1400	1513	133
2	2	57	13	1299		119
3	3	85.4	15	1821	1073	535
4	2	92.4	11	1431		572
5	3	98.1	17	1707	1448	150
6	2	74.4	9	1244		541
7	2	69.1	18	1221		131
8	1	85.1	8			248
9	2	73.5	8	1904		251
10	1	72	18			687
11	2	66.7	11	1465		28
12	3	53.1	19	956	967	340
13	2	81.3	20	1455		121
14	2	65.9	20	1047		561
15	3	81.8	10	1481	1584	400
16	3	52.5	9	1846	1490	592
17	1	54.9	8			391
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-17-TRIAL-10			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 11						
Bursts in Trial: 18						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	96.7	13			255
2	2	81	19	1151		356
3	1	56.4	13			217
4	2	99.9	11	1348		520
5	2	81.4	19	1429		524
6	3	97.8	14	1110	1584	624
7	3	91.4	20	1689	1112	543
8	2	64.2	6	1156		394
9	2	81.2	12	1744		290
10	3	60.9	11	1283	1643	581
11	2	80	7	1276		506
12	2	67.1	8	1420		19
13	2	50.5	19	1550		449
14	2	54.5	6	1833		387
15	1	74.7	20			259
16	1	78.7	20			144
17	2	83.4	7	1595		105
18	2	65.9	6	1641		589
19						
20						
MSW File (Path A) :			FCC0696-T5-18-TRIAL-11			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 12						
Bursts in Trial: 19						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	97	11	1669		304
2	2	66.1	14	961		325
3	2	59.1	12	1868		292
4	2	60.4	18	1824		96
5	1	68.6	18			564
6	1	60.1	5			564
7	2	76	10	1099		499
8	2	79	6	964		386
9	3	60	19	953	1717	533
10	2	68.1	19	1350		389
11	2	75	12	1732		100
12	1	99.6	20			282
13	3	87.9	11	1006	1497	11
14	2	69.9	12	1178		189
15	2	81.3	15	938		346
16	2	62.2	15	1392		355
17	1	90.3	11			397
18	2	57.3	6	1659		381
19	3	64.9	11	1551	962	32
20						
MSW File (Path A) :			FCC0696-T5-19-TRIAL-12			

TYPE 5 PARAMETER SHEET						Rohde & Schwarz K6 Pulse Sequencer
Trial Number : 13						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	98.8	18			28
2	3	82.7	9	1013	1895	186
3	2	86.5	12	1348		509
4	1	89.1	5			197
5	2	63.4	6	1411		213
6	1	70.8	13			250
7	2	87.1	12	1889		480
8	2	100	7	1224		522
9	2	63	12	1832		16
10	1	53.9	8			14
11	3	90.8	9	1312	1038	30
12	3	91.7	18	1884	1883	94
13	2	92.5	10	1683		16
14	1	65	7			546
15	1	77.8	8			194
16	2	52.7	9	1664		585
17	1	72.9	7			297
18	2	61.3	17	1535		506
19	3	63	20	1555	941	303
20	2	90.6	19	1178		496
MSW File (Path A) :			FCC0696-T5-20-TRIAL-13			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 14						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	56.5	15	1276		991
2	2	62.1	15	1703		260
3	3	61.1	12	1488	1340	181
4	2	63.2	12	1717		863
5	1	80	5			75
6	1	57.1	17			532
7	2	58.7	18	1567		801
8	3	62.7	19	1237	1217	686
9	3	98	11	1454	1107	211
10	2	92.5	6	963		451
11	2	77.5	12	1035		726
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-11-TRIAL-14			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 15						
Bursts in Trial: 17						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	74.6	12	1799		281
2	3	73.5	10	1564	1701	696
3	2	54.8	19	1692		461
4	2	54.5	5	1431		104
5	1	97.3	13			274
6	2	59.3	13	1632		25
7	2	65.9	18	1771		543
8	2	92.1	11	1657		1
9	2	80	19	1553		653
10	2	56.2	8	992		686
11	2	83.8	15	1182		166
12	1	55.3	15			322
13	2	50.3	13	999		291
14	3	50.5	12	1733	1583	6
15	1	75.7	14			368
16	2	50.5	11	1314		400
17	2	68.7	13	1020		361
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-17-TRIAL-15			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 16						
Bursts in Trial: 8						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	70.7	19	962		1426
2	2	85.9	5	1205		441
3	3	50	6	1330	1257	758
4	2	93.2	12	1877		78
5	3	73.7	8	930	1110	25
6	2	86.5	10	1293		152
7	2	86.6	14	1640		99
8	2	62.4	20	1571		301
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-08-TRIAL-16			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 17						
Bursts in Trial: 19						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	66.4	13	1623		374
2	2	52.3	12	1463		517
3	1	87.4	10			488
4	3	57.1	6	1789	965	190
5	1	51	5			302
6	1	79.7	12			40
7	2	66	12	1625		463
8	1	71.2	20			293
9	1	94.7	9			283
10	2	58.9	15	1110		83
11	3	93.2	14	1032	1018	76
12	1	60.2	6			373
13	3	90.3	6	1218	1838	549
14	2	59.9	17	1679		349
15	2	85.8	19	969		494
16	1	60.1	8			141
17	1	85.6	11			324
18	2	83.4	13	1570		603
19	3	76	9	1323	1760	432
20						
MSW File (Path A) :			FCC0696-T5-19-TRIAL-17			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 18						
Bursts in Trial: 15						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	63.4	8	1012	1381	585
2	2	90.7	13	1152		205
3	3	61.9	20	1744	1326	694
4	2	77.6	8	1652		786
5	3	65.2	10	1277	1650	362
6	1	64.4	5			546
7	2	60.6	12	1397		557
8	2	52.7	10	1509		705
9	2	66.6	5	1110		41
10	3	89.7	14	1465	1820	572
11	2	65.2	14	1066		573
12	2	85.7	13	1029		183
13	2	89.7	5	1298		782
14	2	57.6	10	1491		788
15	3	69.8	10	1786	1389	112
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-15-TRIAL-18			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 19						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	56.7	20	1474	1536	464
2	2	56	9	1430		180
3	2	59.8	13	1512		351
4	2	82.3	14	1207		490
5	2	63.1	6	1009		403
6	2	80.5	5	1533		463
7	3	99.6	13	1144	1852	69
8	2	99.9	18	1861		131
9	1	91.8	12			110
10	2	78.5	15	1765		97
11	2	62.9	11	947		173
12	3	72.8	13	1901	1459	299
13	2	67.2	6	1173		121
14	2	54.8	5	1353		293
15	2	97.3	20	1259		307
16	3	86.6	13	1404	1282	473
17	2	60.5	20	1193		387
18	2	69.7	19	1257		210
19	1	98.5	12			385
20	2	82.4	5	1552		460
MSW File (Path A) :			FCC0696-T5-20-TRIAL-19			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 20						
Bursts in Trial: 18						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	56.3	14	1741	1758	646
2	1	95.1	14			19
3	3	58.6	13	1227	1920	6
4	2	58.1	8	1556		491
5	2	68.6	15	1663		56
6	2	58.7	13	1565		72
7	3	69.2	19	1784	1631	83
8	2	66	17	1070		458
9	2	75.4	5	1703		381
10	1	76.7	13			400
11	3	67.3	13	1358	1291	544
12	3	81.2	13	1780	1198	543
13	1	62.4	17			134
14	2	95.7	13	1111		346
15	2	57	19	989		429
16	1	76.5	13			134
17	2	54.1	10	1199		48
18	2	93.2	13	1276		48
19						
20						
MSW File (Path A) :			FCC0696-T5-18-TRIAL-20			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 21						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	90.2	10			830
2	2	58.2	8	1763		853
3	2	95.3	11	1722		334
4	2	67.2	9	1176		717
5	2	89.1	14	1493		315
6	3	69.5	5	1298	1863	40
7	3	80.5	19	1210	1913	115
8	2	63.4	10	1798		22
9	3	52	18	1652	1462	973
10	2	62.7	18	1403		1007
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-10-TRIAL-21			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 22						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	62.6	18	1131		103
2	2	52.7	14	1186		220
3	2	94.8	9	1152		381
4	2	60.7	18	1017		3
5	1	89.3	15			653
6	3	57	12	1882	1329	472
7	1	52.9	12			81
8	2	86.1	8	1558		11
9	3	99.4	8	1461	1695	84
10	2	91.5	8	1377		392
11	3	71.4	6	1062	1129	711
12	2	50.8	14	1824		321
13	2	67.1	7	1551		650
14	1	90.5	14			154
15	2	94.4	8	1691		244
16	3	53.1	20	1883	1108	179
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-16-TRIAL-22			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 23						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	75.7	15	1663	1471	644
2	3	97.4	17	1266	1589	521
3	1	60.9	7			995
4	2	53.5	9	1271		815
5	2	59.1	9	1594		195
6	2	55	14	1093		461
7	3	64.8	11	1736	1360	925
8	1	59.4	18			1003
9	2	73	13	1668		87
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-09-TRIAL-23			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 24						
Bursts in Trial: 13						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	86.3	19	1330		269
2	3	75.5	17	1897	1207	911
3	2	79.7	9	1243		259
4	1	74.8	10			894
5	2	90.7	7	1048		851
6	1	86.8	8			701
7	3	86.3	11	1283	1786	477
8	2	50.8	18	1481		298
9	2	92.1	11	994		814
10	2	74.6	5	1636		237
11	2	55.5	11	1468		566
12	3	54.9	12	1922	1635	603
13	2	53.8	17	1397		576
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-13-TRIAL-24			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 25						
Bursts in Trial: 12						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	63.1	15			657
2	2	77.9	12	986		66
3	2	92.7	18	1790		990
4	2	53	18	1661		444
5	3	50.3	7	1949	1899	173
6	2	57.5	10	1461		570
7	1	57.4	19			399
8	2	53.3	9	1720		660
9	3	82.1	9	1171	937	637
10	3	77.7	15	1715	1193	127
11	2	92.2	17	912		253
12	1	97.5	5			3
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-12-TRIAL-25			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 26						
Bursts in Trial: 11						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	74.6	10			791
2	2	69.3	15	1611		945
3	1	93.2	18			907
4	3	86.7	9	1450	1610	326
5	2	55.3	19	1037		137
6	2	83.9	15	1364		291
7	3	69.7	15	1928	1118	1012
8	3	80.7	13	993	1283	266
9	1	54.3	17			756
10	2	67.9	9	1864		1029
11	2	73.8	11	1468		936
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-11-TRIAL-26			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 27						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	65.8	13			11
2	1	62.3	19			580
3	1	85.9	9			463
4	1	88.5	20			145
5	3	71.1	7	972	1613	480
6	3	79	14	1381	1516	125
7	3	70.1	15	1454	1354	273
8	2	65.5	18	1536		251
9	1	84.2	14			440
10	2	68.3	11	1866		427
11	1	61.3	5			117
12	2	70.4	14	1033		179
13	1	65.5	12			334
14	2	85.5	6	1393		364
15	2	57.4	15	963		340
16	1	67.3	10			378
17	3	62.1	11	946	1901	39
18	2	99.6	14	1667		266
19	1	51.1	14			570
20	2	62.9	20	1145		227
MSW File (Path A) :			FCC0696-T5-20-TRIAL-27			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 28						
Bursts in Trial: 14						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	87.5	9	957		482
2	2	95.9	11	1369		468
3	2	64.9	20	1124		14
4	3	67	5	1437	1651	103
5	2	63.8	11	1157		600
6	1	69.3	17			134
7	2	86.8	19	1425		262
8	1	75.1	6			658
9	1	50.8	7			410
10	3	82.2	14	1168	1385	711
11	2	84.3	6	1301		58
12	2	56.5	7	1017		241
13	1	93.6	10			121
14	1	95.1	5			506
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-14-TRIAL-28			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 29						
Bursts in Trial: 08						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	65.9	11	1501	1353	1491
2	2	73.7	9	1135		1091
3	1	58.5	19			1009
4	2	73.3	7	1831		585
5	3	63.1	18	1671	1500	958
6	1	58.6	18			1121
7	2	50.8	5	1497		1154
8	3	64	13	1263	1026	509
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-08-TRIAL-29			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 30						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	59.2	18			165
2	2	69.4	13	1253		435
3	2	97	7	989		12
4	2	91.6	20	1818		371
5	3	58.7	19	1496	1858	1020
6	2	84	11	1726		8
7	1	98.6	20			1218
8	1	90.3	12			179
9	3	95.2	19	1345	1667	391
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-09-TRIAL-30			

A.2 Radar Type 5 Parameters for 40 MHz Bandwidth

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 1						
Bursts in Trial: 8						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	80.1	11	941		271
2	2	64.9	20	952		689
3	2	68.1	9	1802		1102
4	3	93.4	13	1342	1045	267
5	2	75.8	18	1094		298
6	2	91.9	13	1759		1154
7	3	72.1	6	1869	943	73
8	3	50	6	982	1441	778
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-08-TRIAL-1			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 2						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	91.2	13	1370		589
2	3	59.2	9	1421	1780	1221
3	1	87.2	15			500
4	2	65.2	18	1767		612
5	1	84.6	9			338
6	2	79	14	1087		875
7	2	69.1	13	1211		1035
8	2	76.9	18	1886		1012
9	1	99.5	7			143
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-09-TRIAL-2			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 3						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	99.2	8			434
2	2	87.5	7	1863		157
3	2	84.8	9	1810		996
4	1	93.9	12			787
5	3	80.1	18	1001	1126	1138
6	2	87.7	14	1401		732
7	2	82.3	17	1762		1017
8	3	86.8	17	1390	1265	647
9	1	65.5	15			375
10	2	58.3	6	1514		810
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-10-TRIAL-3			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 4						
Bursts in Trial: 11						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	74.8	20			806
2	1	96.3	18			587
3	2	94.1	6	1484		662
4	2	62.2	20	1232		697
5	1	59.1	18			136
6	2	72.1	17	1709		349
7	2	78	15	1481		721
8	3	100	19	1694	1328	254
9	3	86.8	15	1583	1594	419
10	2	82.6	18	1062		343
11	2	72.7	10	1542		249
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-11-TRIAL-4			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 5						
Bursts in Trial: 12						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	98.8	19	923		385
2	3	63.5	5	975	1163	547
3	2	53.4	14	1346		650
4	2	53.8	7	1080		343
5	2	84	6	1389		665
6	2	70.1	13	1784		564
7	3	63.7	20	1606	1289	572
8	2	62.6	12	1867		20
9	3	95.4	18	916	909	819
10	3	96.8	8	1591	1170	583
11	3	50	18	1765	1569	403
12	3	70.8	19	1184	1435	314
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-12-TRIAL-5			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 6						
Bursts in Trial: 13						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	85.8	20	966		550
2	2	94.4	10	1104		708
3	1	51.3	13			470
4	2	85.3	11	1030		785
5	2	74.7	10	1352		80
6	2	85.4	10	1365		609
7	2	51.5	15	1145		54
8	3	87.8	5	1447	1090	607
9	3	55.1	6	1304	1462	349
10	2	51.7	5	1672		497
11	3	89.7	6	1870	1663	480
12	3	89.1	7	1217	1722	336
13	2	84	15	1768		326
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-13-TRIAL-6			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 7						
Bursts in Trial: 14						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	83.6	10	1202		678
2	1	51.5	15			332
3	1	66	11			189
4	2	97	19	1731		9
5	1	65.6	13			104
6	3	96.4	20	1554	1408	70
7	3	81.1	13	1748	1718	637
8	1	86.7	13			152
9	3	53.2	8	1797	992	823
10	2	66.9	11	1057		57
11	2	69.9	19	1627		35
12	2	74	17	1221		791
13	1	54.6	20			268
14	2	93.4	15	1616		695
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-14-TRIAL-7			

TYPE 5 PARAMETER SHEET						Rohde & Schwarz K6 Pulse Sequencer
Trial Number : 8						
Bursts in Trial: 15						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	66.9	15			154
2	3	64	6	1351	1440	689
3	1	66.3	17			94
4	2	50.7	5	1011		306
5	3	99.7	13	1079	1263	748
6	1	76.2	7			206
7	2	62	5	1390		113
8	3	69.3	15	1259	1781	392
9	3	53	11	1049	1933	512
10	2	96.2	18	1450		259
11	1	75.5	6			432
12	2	61.6	8	1923		169
13	1	50.4	9			102
14	2	83.5	12	1586		737
15	2	77.4	17	1813		125
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-15-TRIAL-8			

TYPE 5 PARAMETER SHEET						Rohde & Schwarz K6 Pulse Sequencer
Trial Number : 9						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	99.6	11			186
2	1	87.4	14			544
3	2	52.6	10	1644		171
4	2	55.4	5	1679		360
5	1	97.3	9			504
6	2	56.3	5	1647		423
7	2	86.7	8	1813		378
8	3	88.2	7	996	1868	299
9	2	68	7	1486		278
10	2	51.1	10	1331		689
11	2	85.4	20	1636		97
12	2	74	13	1672		227
13	2	63.7	14	1016		35
14	2	69	14	1134		647
15	2	98	17	963		45
16	2	71.4	5	1701		676
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-16-TRIAL-9			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 10						
Bursts in Trial: 17						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	88.6	13	1084		146
2	2	70	11	1401		125
3	2	77.9	6	1476		580
4	3	84.4	13	1404	1344	44
5	3	77.6	18	1287	1054	379
6	3	89.9	8	1513	1278	427
7	2	93	13	1729		160
8	1	52.9	12			70
9	2	66.1	19	1865		11
10	3	64.7	18	1839	1699	443
11	3	88	8	1861	1642	150
12	3	54.6	6	1560	1613	665
13	1	86.9	9			462
14	3	92.3	13	1004	1861	452
15	1	91.7	7			572
16	3	51.5	8	1294	1157	352
17	2	77.3	17	1759		625
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-17-TRIAL-10			

TYPE 5 PARAMETER SHEET						Rohde & Schwarz K6 Pulse Sequencer
Trial Number : 11						
Bursts in Trial: 18						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	53.5	13			321
2	3	68.2	17	1219	1170	168
3	3	70.7	20	1451	1546	530
4	3	73	10	1061	1831	509
5	2	81.4	13	1274		601
6	2	80.3	18	1695		290
7	2	77.7	11	1549		564
8	2	63	12	1030		107
9	3	61.7	13	1732	1325	397
10	2	78.2	8	1781		549
11	2	56	7	1106		647
12	1	60.9	13			134
13	3	96.6	11	1755	1211	57
14	1	51.3	6			29
15	2	76.5	18	1873		90
16	2	88.5	12	1301		487
17	2	94.5	13	1480		162
18	2	64.2	20	1533		343
19						
20						
MSW File (Path A) :			FCC0696-T5-18-TRIAL-11			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 12						
Bursts in Trial: 19						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	84.6	13	1380		259
2	2	71.5	9	1290		35
3	2	71.4	17	1479		492
4	1	55.5	11			56
5	2	58	13	1629		373
6	3	54.5	8	1373	1182	379
7	2	57.4	17	1903		539
8	2	61.8	11	1359		588
9	1	70.8	9			133
10	2	62.1	20	1050		522
11	3	96.4	15	1476	931	67
12	2	93.3	7	1618		184
13	3	88.6	11	1040	1106	205
14	2	50	8	1685		452
15	1	98.2	20			352
16	2	66.2	5	1706		176
17	2	80.5	5	1281		448
18	1	87.3	5			615
19	3	68.3	7	1012	1697	178
20						
MSW File (Path A) :			FCC0696-T5-19-TRIAL-12			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 13						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	75.8	17	1780		314
2	2	72.4	11	1015		327
3	3	61.9	17	1814	1421	546
4	2	76.8	7	1872		210
5	1	64.7	9			302
6	2	74.3	19	1040		285
7	2	81.4	5	1050		103
8	3	93.9	5	1114	1707	432
9	3	85.6	17	939	1376	198
10	2	92.7	11	1281		373
11	1	56.6	12			190
12	1	98.4	8			306
13	1	96.3	13			78
14	3	85.9	17	1640	1030	590
15	2	99.2	8	964		166
16	3	59	9	1887	997	3
17	3	59.1	13	1259	1730	493
18	3	82.9	11	1313	1408	54
19	2	82.6	14	1789		54
20	2	62.6	6	1545		407
MSW File (Path A) :			FCC0696-T5-20-TRIAL-13			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 14						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	63.4	10	1302	1423	375
2	1	59.1	14			897
3	2	84.5	6	1084		153
4	2	75.1	5	1625		944
5	3	59.8	8	1077	1303	761
6	3	86.1	8	1280	1303	206
7	1	78.2	8			921
8	2	68.6	19	974		343
9	2	72	5	1620		1067
10	3	97	14	1107	1406	462
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-10-TRIAL-14			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 15						
Bursts in Trial: 19						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	76	17	1761		145
2	2	76.2	13	1028		580
3	3	93.1	13	1677	920	123
4	2	54.2	9	1347		117
5	2	51.1	6	1599		577
6	1	71.8	8			35
7	2	51.3	17	1528		393
8	2	62.5	17	1750		288
9	1	82.5	20			524
10	2	98.1	19	940		400
11	2	63.1	6	1620		418
12	2	76.7	19	1207		152
13	2	86.3	9	1638		556
14	3	88	8	1617	1145	208
15	3	76.4	5	1320	1247	294
16	3	70.2	19	1320	1318	2
17	3	74.6	7	1815	1894	554
18	2	83.6	18	1313		355
19	2	91.3	10	1294		240
20						
MSW File (Path A) :			FCC0696-T5-19-TRIAL-15			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 16						
Bursts in Trial: 8						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	59.6	6	1664	1362	1213
2	1	84.5	5			229
3	3	65	18	1453	1638	1182
4	1	50.4	7			1306
5	3	51.3	6	1162	1194	469
6	1	84	15			691
7	3	74.1	11	1783	1418	864
8	2	57.6	15	1692		29
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-08-TRIAL-16			

TYPE 5 PARAMETER SHEET					Rohde & Schwarz K6 Pulse Sequencer	
Trial Number : 17						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	62.9	17	1138		611
2	2	68.1	20	1595		286
3	3	64	6	1897	1934	362
4	2	55.5	14	1298		200
5	3	76.8	8	1330	1632	197
6	2	83.6	6	1735		498
7	1	59.1	13			575
8	2	81.7	14	1144		705
9	2	70.3	17	1646		174
10	1	52	12			442
11	2	61.4	17	1148		325
12	2	54.1	19	1128		77
13	1	76.6	7			627
14	2	50.6	17	1684		310
15	2	89.1	7	1310		272
16	2	94.2	14	1560		9
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-16-TRIAL-17			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 18						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	65.4	5	1795		75
2	2	86.5	18	1222		91
3	1	70	12			482
4	2	51.8	15	1430		530
5	2	60.3	5	1442		351
6	3	50.2	15	1564	1849	451
7	3	96.1	17	1193	1693	116
8	3	87.5	8	1912	1287	451
9	3	88.1	13	1165	1167	136
10	1	72.4	14			187
11	1	67.5	12			41
12	2	90	6	1828		395
13	3	70.7	20	1152	964	541
14	2	86.6	9	1381		292
15	2	76.9	6	1324		301
16	2	84.2	6	935		6
17	1	74.6	18			384
18	2	64.6	13	1042		163
19	2	73.1	9	1667		3
20	2	70.6	10	1045		584
MSW File (Path A) :			FCC0696-T5-20-TRIAL-18			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 19						
Bursts in Trial: 14						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	85.2	20	1558		635
2	1	55.1	13			489
3	1	79.5	20			777
4	1	64.7	20			8
5	3	56.6	12	1796	1719	584
6	2	91.1	18	1679		99
7	1	68.2	11			601
8	1	62.5	13			810
9	2	92.2	13	1053		767
10	2	94.7	19	1744		67
11	2	54.6	6	1344		612
12	2	55.9	19	1412		221
13	2	82.2	6	973		762
14	2	82.5	14	1228		394
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-14-TRIAL-19			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 20						
Bursts in Trial: 11						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	61.2	15			909
2	2	76.4	5	1492		353
3	2	52.8	14	1782		758
4	1	79.2	10			119
5	3	88.1	7	1228	1313	777
6	2	68.4	7	1655		1080
7	2	60.6	12	1243		442
8	3	58.4	8	1454	1346	409
9	1	54	17			599
10	1	60.1	19			545
11	3	99	18	1410	1308	868
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-11-TRIAL-20			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 21						
Bursts in Trial: 08						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	64.4	5	1033	1472	708
2	3	66.9	19	1857	1390	730
3	2	73.8	19	1534		149
4	1	70.1	9			607
5	2	82.1	15	1710		1410
6	3	59.3	9	1790	1887	785
7	2	55	10	1046		715
8	3	88.9	15	1896	1714	244
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-08-TRIAL-21			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 22						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	54.2	9			197
2	2	66.9	19	1566		4
3	1	50.1	10			351
4	2	53.1	8	1709		427
5	2	89	9	1427		232
6	1	64.4	20			115
7	1	82.7	13			681
8	1	93.5	6			237
9	1	65.7	8			594
10	2	97.8	19	1581		432
11	2	99.2	14	1531		429
12	3	62.9	19	1478	1071	294
13	3	70.2	7	1633	1632	551
14	2	99.9	12	1198		637
15	3	51.3	15	1037	1127	676
16	3	72.5	13	1600	1859	128
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-16-TRIAL-22			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 23						
Bursts in Trial: 13						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	66.7	6	1400		231
2	2	79.4	13	1795		407
3	2	61	5	1830		399
4	2	69.4	7	1244		625
5	3	81.4	12	1060	1778	283
6	2	54.4	13	1690		195
7	2	80.6	6	1734		783
8	3	80.5	19	1912	1880	471
9	1	71.9	20			134
10	1	58.8	15			377
11	1	72.6	14			470
12	2	76.5	13	1454		560
13	1	67.6	12			201
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-13-TRIAL-23			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 24						
Bursts in Trial: 18						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	61.9	18	1850	1038	560
2	2	79.6	15	1679		533
3	3	53.9	17	1353	1907	445
4	1	78.3	7			333
5	2	65.3	18	1632		540
6	2	91.9	14	1703		289
7	2	66.9	15	1439		567
8	2	89.7	10	1411		395
9	2	77.5	20	1514		113
10	2	72.9	19	1794		625
11	3	66.5	17	1062	1070	302
12	1	81.8	15			386
13	2	68.3	15	1187		117
14	2	95.1	9	1291		419
15	2	69.5	13	989		516
16	2	90.9	8	1562		507
17	2	52.6	17	1725		558
18	2	64.7	18	1915		429
19						
20						
MSW File (Path A) :			FCC0696-T5-18-TRIAL-24			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 25						
Bursts in Trial: 12						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	56	15	1572		865
2	1	54.2	20			535
3	2	52	6	1531		359
4	2	63.1	17	1131		298
5	2	85.3	13	1670		65
6	3	52.1	10	1869	1827	847
7	3	83.7	18	1484	1390	942
8	2	88.7	14	1591		293
9	2	90.6	9	914		85
10	2	78.5	5	1732		887
11	2	92.4	13	1154		742
12	1	87.2	8			374
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-12-TRIAL-25			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 26						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	53	12	956		144
2	3	80.1	19	1589	1314	38
3	1	55.7	18			738
4	1	60.6	13			253
5	1	94.3	5			937
6	2	75.5	6	1739		237
7	1	63.5	17			801
8	2	55.2	18	1494		978
9	2	86.5	5	1385		830
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-09-TRIAL-26			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 27						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	1	71.6	5			84
2	1	50.8	13			204
3	2	97.3	15	1169		401
4	2	83.8	17	1004		165
5	2	79.9	10	926		489
6	1	93.9	13			57
7	3	78.6	18	1052	1511	176
8	2	89.9	19	1902		570
9	3	70.9	20	1415	981	581
10	3	62.4	13	1750	1843	110
11	3	91	10	1773	1395	8
12	2	55.1	7	1884		410
13	2	67.1	5	1351		400
14	2	51.7	13	1850		379
15	2	78	11	1149		143
16	1	64.3	15			112
17	1	55.6	19			439
18	2	63.2	14	1189		73
19	2	76.9	13	1474		545
20	1	89.6	19			212
MSW File (Path A) :			FCC0696-T5-20-TRIAL-27			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 28						
Bursts in Trial: 19						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	58.7	8	1707		512
2	2	52.9	11	1257		337
3	2	59.3	15	1416		278
4	1	55	8			564
5	3	63.3	20	1866	1167	166
6	2	90.4	11	1618		395
7	2	79.2	15	1764		563
8	1	78.9	13			328
9	2	79.3	8	1205		9
10	1	65.3	17			168
11	2	60.8	19	1855		62
12	3	55.4	6	1156	1162	568
13	2	67	11	1730		144
14	2	92.5	14	1897		220
15	2	66.2	18	1706		320
16	1	73.3	5			112
17	2	52.2	7	1333		570
18	1	86.9	11			13
19	1	88.9	9			266
20						
MSW File (Path A) :			FCC0696-T5-19-TRIAL-28			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 29						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	3	65.7	5	1280	1001	114
2	1	91.9	10			231
3	2	85.3	19	1282		673
4	2	88.5	8	1384		388
5	1	76.7	18			46
6	3	76.6	7	1272	1333	835
7	2	70.1	5	1644		365
8	2	73.5	19	1874		510
9	1	67.7	14			211
10	3	62.3	5	1059	1638	381
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-10-TRIAL-29			

TYPE 5 PARAMETER SHEET				Rohde & Schwarz K6 Pulse Sequencer		
Trial Number : 30						
Bursts in Trial: 15						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 Spacing (µsec)	Start Location Within Interval (msec)
1	2	58.2	20	1167		679
2	3	53	20	1298	1839	240
3	3	73	17	1511	975	104
4	2	72.5	13	1839		491
5	2	80.1	8	1123		333
6	1	86	6			242
7	2	91.9	15	1709		759
8	1	96.3	14			246
9	2	59.8	13	1370		748
10	3	61.3	9	1667	1387	216
11	2	82.4	12	1905		121
12	2	58.2	12	1440		657
13	2	89.5	17	1233		85
14	1	94.5	19			599
15	3	92.2	19	1554	1857	115
16						
17						
18						
19						
20						
MSW File (Path A) :			FCC0696-T5-15-TRIAL-30			

A.3 Radar Type 6 Parameters for 20 MHz Bandwidth

FCC0696-T6-TRIAL-1						FCC0696-T6-TRIAL-2					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.3	35	5.426	69	5.478	1	5.627	35	5.536	69	5.428
2	5.474	36	5.694	70	5.703	2	5.524	36	5.64	70	5.364
3	5.304	37	5.378	71	5.32	3	5.469	37	5.548	71	5.32
4	5.676	38	5.385	72	5.446	4	5.612	38	5.445	72	5.566
5	5.336	39	5.691	73	5.252	5	5.528	39	5.493	73	5.635
6	5.373	40	5.343	74	5.263	6	5.255	40	5.553	74	5.611
7	5.711	41	5.444	75	5.309	7	5.351	41	5.714	75	5.386
8	5.597	42	5.451	76	5.604	8	5.6	42	5.519	76	5.704
9	5.72	43	5.417	77	5.493	9	5.532	43	5.568	77	5.641
10	5.267	44	5.531	78	5.573	10	5.486	44	5.349	78	5.678
11	5.399	45	5.634	79	5.713	11	5.723	45	5.477	79	5.713
12	5.433	46	5.413	80	5.664	12	5.475	46	5.623	80	5.668
13	5.504	47	5.588	81	5.268	13	5.254	47	5.647	81	5.261
14	5.591	48	5.377	82	5.29	14	5.634	48	5.323	82	5.327
15	5.678	49	5.298	83	5.56	15	5.675	49	5.43	83	5.301
16	5.675	50	5.308	84	5.511	16	5.618	50	5.453	84	5.294
17	5.418	51	5.258	85	5.503	17	5.643	51	5.385	85	5.304
18	5.611	52	5.584	86	5.285	18	5.495	52	5.473	86	5.329
19	5.636	53	5.346	87	5.449	19	5.53	53	5.416	87	5.288
20	5.528	54	5.312	88	5.688	20	5.661	54	5.71	88	5.57
21	5.404	55	5.421	89	5.566	21	5.258	55	5.471	89	5.389
22	5.292	56	5.305	90	5.384	22	5.291	56	5.459	90	5.436
23	5.586	57	5.306	91	5.291	23	5.652	57	5.312	91	5.546
24	5.641	58	5.721	92	5.62	24	5.72	58	5.307	92	5.452
25	5.338	59	5.283	93	5.352	25	5.557	59	5.691	93	5.579
26	5.671	60	5.342	94	5.614	26	5.274	60	5.392	94	5.539
27	5.354	61	5.388	95	5.452	27	5.573	61	5.423	95	5.531
28	5.425	62	5.706	96	5.507	28	5.515	62	5.497	96	5.692
29	5.624	63	5.704	97	5.476	29	5.45	63	5.27	97	5.68
30	5.34	64	5.61	98	5.608	30	5.456	64	5.454	98	5.285
31	5.443	65	5.648	99	5.496	31	5.449	65	5.353	99	5.408
32	5.332	66	5.601	100	5.366	32	5.666	66	5.593	100	5.328
33	5.282	67	5.423			33	5.432	67	5.582		
34	5.515	68	5.257			34	5.5	68	5.289		

FCC0696-T6-TRIAL-3						FCC0696-T6-TRIAL-4					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.566	35	5.629	69	5.546	1	5.367	35	5.641	69	5.682
2	5.509	36	5.615	70	5.6	2	5.626	36	5.412	70	5.331
3	5.697	37	5.66	71	5.331	3	5.303	37	5.466	71	5.324
4	5.506	38	5.311	72	5.329	4	5.513	38	5.377	72	5.275
5	5.605	39	5.415	73	5.279	5	5.689	39	5.579	73	5.577
6	5.718	40	5.679	74	5.39	6	5.255	40	5.341	74	5.661
7	5.52	41	5.382	75	5.544	7	5.621	41	5.405	75	5.417
8	5.442	42	5.263	76	5.604	8	5.546	42	5.527	76	5.25
9	5.499	43	5.551	77	5.375	9	5.445	43	5.292	77	5.525
10	5.252	44	5.373	78	5.661	10	5.414	44	5.336	78	5.574
11	5.307	45	5.539	79	5.536	11	5.307	45	5.295	79	5.415
12	5.601	46	5.261	80	5.428	12	5.431	46	5.422	80	5.406
13	5.625	47	5.673	81	5.285	13	5.493	47	5.533	81	5.651
14	5.386	48	5.455	82	5.283	14	5.722	48	5.698	82	5.458
15	5.674	49	5.683	83	5.717	15	5.277	49	5.258	83	5.452
16	5.572	50	5.452	84	5.439	16	5.589	50	5.281	84	5.43
17	5.565	51	5.295	85	5.352	17	5.478	51	5.608	85	5.697
18	5.459	52	5.649	86	5.385	18	5.391	52	5.686	86	5.539
19	5.336	53	5.548	87	5.335	19	5.497	53	5.67	87	5.524
20	5.447	54	5.524	88	5.709	20	5.487	54	5.693	88	5.459
21	5.618	55	5.434	89	5.596	21	5.286	55	5.676	89	5.548
22	5.607	56	5.299	90	5.304	22	5.28	56	5.571	90	5.511
23	5.653	57	5.556	91	5.349	23	5.453	57	5.565	91	5.278
24	5.398	58	5.302	92	5.594	24	5.304	58	5.443	92	5.581
25	5.624	59	5.519	93	5.388	25	5.416	59	5.563	93	5.672
26	5.406	60	5.581	94	5.611	26	5.356	60	5.437	94	5.323
27	5.56	61	5.286	95	5.684	27	5.559	61	5.364	95	5.643
28	5.402	62	5.496	96	5.67	28	5.534	62	5.426	96	5.611
29	5.521	63	5.511	97	5.346	29	5.287	63	5.312	97	5.552
30	5.464	64	5.334	98	5.484	30	5.293	64	5.372	98	5.711
31	5.677	65	5.318	99	5.589	31	5.316	65	5.432	99	5.263
32	5.416	66	5.714	100	5.578	32	5.418	66	5.259	100	5.494
33	5.622	67	5.72			33	5.723	67	5.271		
34	5.432	68	5.595			34	5.637	68	5.491		

FCC0696-T6-TRIAL-5						FCC0696-T6-TRIAL-6					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.668	35	5.37	69	5.29	1	5.46	35	5.49	69	5.496
2	5.432	36	5.539	70	5.295	2	5.32	36	5.582	70	5.341
3	5.347	37	5.704	71	5.516	3	5.41	37	5.411	71	5.632
4	5.498	38	5.279	72	5.289	4	5.28	38	5.488	72	5.287
5	5.553	39	5.652	73	5.633	5	5.623	39	5.622	73	5.383
6	5.723	40	5.457	74	5.635	6	5.635	40	5.518	74	5.421
7	5.252	41	5.463	75	5.464	7	5.269	41	5.715	75	5.443
8	5.638	42	5.475	76	5.355	8	5.539	42	5.347	76	5.646
9	5.527	43	5.656	77	5.632	9	5.7	43	5.6	77	5.659
10	5.518	44	5.293	78	5.323	10	5.552	44	5.293	78	5.379
11	5.615	45	5.538	79	5.719	11	5.346	45	5.352	79	5.273
12	5.441	46	5.529	80	5.312	12	5.639	46	5.463	80	5.708
13	5.338	47	5.685	81	5.277	13	5.254	47	5.343	81	5.656
14	5.298	48	5.256	82	5.47	14	5.597	48	5.586	82	5.43
15	5.664	49	5.297	83	5.492	15	5.525	49	5.616	83	5.689
16	5.251	50	5.381	84	5.307	16	5.494	50	5.419	84	5.316
17	5.469	51	5.3	85	5.649	17	5.67	51	5.603	85	5.477
18	5.35	52	5.533	86	5.335	18	5.617	52	5.398	86	5.701
19	5.565	53	5.26	87	5.362	19	5.718	53	5.317	87	5.523
20	5.503	54	5.401	88	5.488	20	5.553	54	5.493	88	5.507
21	5.561	55	5.607	89	5.545	21	5.452	55	5.458	89	5.515
22	5.639	56	5.577	90	5.384	22	5.572	56	5.696	90	5.558
23	5.609	57	5.306	91	5.485	23	5.676	57	5.63	91	5.344
24	5.445	58	5.644	92	5.462	24	5.629	58	5.394	92	5.469
25	5.376	59	5.266	93	5.416	25	5.274	59	5.633	93	5.257
26	5.592	60	5.6	94	5.569	26	5.651	60	5.39	94	5.292
27	5.491	61	5.337	95	5.634	27	5.526	61	5.336	95	5.545
28	5.702	62	5.421	96	5.265	28	5.686	62	5.456	96	5.361
29	5.713	63	5.677	97	5.38	29	5.609	63	5.595	97	5.62
30	5.466	64	5.395	98	5.288	30	5.279	64	5.52	98	5.713
31	5.551	65	5.285	99	5.296	31	5.697	65	5.356	99	5.464
32	5.513	66	5.398	100	5.648	32	5.501	66	5.566	100	5.374
33	5.63	67	5.392			33	5.661	67	5.506		
34	5.562	68	5.319			34	5.576	68	5.44		

FCC0696-T6-TRIAL-7						FCC0696-T6-TRIAL-8					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.279	35	5.701	69	5.635	1	5.631	35	5.678	69	5.588
2	5.542	36	5.684	70	5.33	2	5.258	36	5.585	70	5.552
3	5.512	37	5.447	71	5.619	3	5.63	37	5.419	71	5.272
4	5.325	38	5.617	72	5.487	4	5.468	38	5.515	72	5.481
5	5.465	39	5.646	73	5.622	5	5.526	39	5.555	73	5.512
6	5.326	40	5.268	74	5.505	6	5.324	40	5.576	74	5.497
7	5.709	41	5.649	75	5.264	7	5.69	41	5.343	75	5.479
8	5.275	42	5.302	76	5.541	8	5.643	42	5.291	76	5.365
9	5.395	43	5.42	77	5.354	9	5.716	43	5.352	77	5.405
10	5.511	44	5.292	78	5.611	10	5.255	44	5.312	78	5.447
11	5.431	45	5.412	79	5.317	11	5.282	45	5.721	79	5.609
12	5.621	46	5.252	80	5.306	12	5.549	46	5.295	80	5.722
13	5.596	47	5.353	81	5.423	13	5.6	47	5.427	81	5.672
14	5.435	48	5.35	82	5.441	14	5.661	48	5.345	82	5.517
15	5.337	49	5.31	83	5.626	15	5.574	49	5.713	83	5.449
16	5.571	50	5.254	84	5.549	16	5.667	50	5.433	84	5.626
17	5.434	51	5.532	85	5.41	17	5.401	51	5.397	85	5.679
18	5.587	52	5.371	86	5.452	18	5.696	52	5.455	86	5.251
19	5.672	53	5.312	87	5.262	19	5.537	53	5.28	87	5.72
20	5.615	54	5.559	88	5.638	20	5.315	54	5.598	88	5.423
21	5.706	55	5.574	89	5.28	21	5.513	55	5.693	89	5.671
22	5.688	56	5.645	90	5.482	22	5.311	56	5.681	90	5.339
23	5.664	57	5.663	91	5.266	23	5.327	57	5.287	91	5.717
24	5.634	58	5.369	92	5.513	24	5.351	58	5.496	92	5.674
25	5.495	59	5.445	93	5.575	25	5.562	59	5.33	93	5.277
26	5.397	60	5.641	94	5.304	26	5.584	60	5.335	94	5.591
27	5.484	61	5.352	95	5.446	27	5.505	61	5.542	95	5.42
28	5.365	62	5.565	96	5.287	28	5.521	62	5.301	96	5.529
29	5.488	63	5.697	97	5.301	29	5.361	63	5.595	97	5.283
30	5.297	64	5.582	98	5.481	30	5.389	64	5.573	98	5.285
31	5.593	65	5.276	99	5.415	31	5.454	65	5.362	99	5.411
32	5.526	66	5.373	100	5.338	32	5.275	66	5.527	100	5.719
33	5.668	67	5.529			33	5.281	67	5.536		
34	5.377	68	5.563			34	5.26	68	5.425		

FCC0696-T6-TRIAL-9						FCC0696-T6-TRIAL-10					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.46	35	5.405	69	5.639	1	5.564	35	5.524	69	5.252
2	5.379	36	5.337	70	5.647	2	5.478	36	5.295	70	5.343
3	5.305	37	5.266	71	5.57	3	5.654	37	5.497	71	5.571
4	5.7	38	5.496	72	5.533	4	5.454	38	5.447	72	5.549
5	5.432	39	5.668	73	5.505	5	5.521	39	5.296	73	5.639
6	5.549	40	5.657	74	5.564	6	5.522	40	5.397	74	5.514
7	5.543	41	5.674	75	5.441	7	5.293	41	5.259	75	5.277
8	5.546	42	5.493	76	5.292	8	5.668	42	5.442	76	5.662
9	5.368	43	5.421	77	5.443	9	5.516	43	5.598	77	5.286
10	5.579	44	5.359	78	5.684	10	5.476	44	5.649	78	5.603
11	5.349	45	5.398	79	5.665	11	5.373	45	5.254	79	5.301
12	5.676	46	5.702	80	5.391	12	5.299	46	5.568	80	5.367
13	5.576	47	5.322	81	5.678	13	5.651	47	5.303	81	5.356
14	5.571	48	5.705	82	5.512	14	5.384	48	5.494	82	5.398
15	5.453	49	5.282	83	5.508	15	5.718	49	5.489	83	5.342
16	5.364	50	5.507	84	5.426	16	5.612	50	5.475	84	5.36
17	5.659	51	5.693	85	5.634	17	5.437	51	5.395	85	5.585
18	5.645	52	5.629	86	5.315	18	5.688	52	5.719	86	5.616
19	5.698	53	5.465	87	5.254	19	5.273	53	5.505	87	5.574
20	5.555	54	5.646	88	5.673	20	5.389	54	5.557	88	5.552
21	5.278	55	5.523	89	5.619	21	5.661	55	5.532	89	5.331
22	5.536	56	5.706	90	5.433	22	5.345	56	5.469	90	5.326
23	5.625	57	5.697	91	5.354	23	5.344	57	5.37	91	5.466
24	5.503	58	5.393	92	5.49	24	5.59	58	5.366	92	5.589
25	5.324	59	5.347	93	5.448	25	5.631	59	5.635	93	5.636
26	5.5	60	5.648	94	5.569	26	5.55	60	5.309	94	5.332
27	5.605	61	5.719	95	5.267	27	5.291	61	5.458	95	5.417
28	5.67	62	5.323	96	5.557	28	5.504	62	5.676	96	5.707
29	5.671	63	5.615	97	5.696	29	5.513	63	5.715	97	5.724
30	5.553	64	5.473	98	5.43	30	5.576	64	5.379	98	5.659
31	5.28	65	5.338	99	5.348	31	5.488	65	5.667	99	5.567
32	5.35	66	5.522	100	5.339	32	5.323	66	5.351	100	5.25
33	5.269	67	5.3			33	5.42	67	5.401		
34	5.417	68	5.42			34	5.353	68	5.404		

FCC0696-T6-TRIAL-11						FCC0696-T6-TRIAL-12					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.49	35	5.515	69	5.268	1	5.253	35	5.259	69	5.331
2	5.451	36	5.346	70	5.609	2	5.521	36	5.323	70	5.303
3	5.463	37	5.517	71	5.577	3	5.438	37	5.713	71	5.591
4	5.288	38	5.66	72	5.554	4	5.513	38	5.654	72	5.604
5	5.516	39	5.702	73	5.506	5	5.425	39	5.565	73	5.377
6	5.657	40	5.274	74	5.276	6	5.329	40	5.466	74	5.682
7	5.686	41	5.42	75	5.398	7	5.712	41	5.594	75	5.568
8	5.294	42	5.385	76	5.367	8	5.41	42	5.485	76	5.52
9	5.335	43	5.329	77	5.395	9	5.59	43	5.494	77	5.512
10	5.39	44	5.389	78	5.595	10	5.518	44	5.263	78	5.284
11	5.481	45	5.679	79	5.578	11	5.475	45	5.571	79	5.567
12	5.605	46	5.432	80	5.378	12	5.664	46	5.293	80	5.57
13	5.539	47	5.318	81	5.585	13	5.419	47	5.542	81	5.372
14	5.594	48	5.445	82	5.598	14	5.579	48	5.287	82	5.414
15	5.264	49	5.275	83	5.25	15	5.649	49	5.705	83	5.451
16	5.412	50	5.388	84	5.333	16	5.278	50	5.299	84	5.406
17	5.614	51	5.636	85	5.662	17	5.696	51	5.644	85	5.458
18	5.615	52	5.323	86	5.255	18	5.71	52	5.652	86	5.691
19	5.7	53	5.415	87	5.576	19	5.67	53	5.288	87	5.464
20	5.339	54	5.591	88	5.302	20	5.446	54	5.686	88	5.357
21	5.494	55	5.706	89	5.72	21	5.448	55	5.535	89	5.311
22	5.305	56	5.51	90	5.316	22	5.508	56	5.276	90	5.487
23	5.569	57	5.575	91	5.661	23	5.441	57	5.286	91	5.548
24	5.468	58	5.524	92	5.639	24	5.344	58	5.375	92	5.456
25	5.477	59	5.673	93	5.379	25	5.507	59	5.33	93	5.294
26	5.461	60	5.497	94	5.375	26	5.261	60	5.254	94	5.693
27	5.471	61	5.357	95	5.396	27	5.668	61	5.717	95	5.711
28	5.407	62	5.71	96	5.648	28	5.482	62	5.701	96	5.256
29	5.592	63	5.349	97	5.261	29	5.692	63	5.631	97	5.63
30	5.65	64	5.547	98	5.405	30	5.401	64	5.255	98	5.641
31	5.28	65	5.458	99	5.642	31	5.698	65	5.387	99	5.642
32	5.372	66	5.663	100	5.381	32	5.301	66	5.328	100	5.433
33	5.287	67	5.567			33	5.585	67	5.58		
34	5.693	68	5.353			34	5.411	68	5.54		

FCC0696-T6-TRIAL-13						FCC0696-T6-TRIAL-14					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.447	35	5.512	69	5.609	1	5.609	35	5.434	69	5.369
2	5.495	36	5.301	70	5.553	2	5.553	36	5.534	70	5.624
3	5.634	37	5.474	71	5.417	3	5.407	37	5.395	71	5.499
4	5.566	38	5.279	72	5.377	4	5.282	38	5.592	72	5.352
5	5.719	39	5.503	73	5.43	5	5.538	39	5.48	73	5.26
6	5.453	40	5.339	74	5.514	6	5.599	40	5.301	74	5.686
7	5.328	41	5.628	75	5.71	7	5.689	41	5.29	75	5.258
8	5.352	42	5.714	76	5.513	8	5.409	42	5.615	76	5.251
9	5.356	43	5.412	77	5.578	9	5.309	43	5.667	77	5.39
10	5.551	44	5.454	78	5.663	10	5.711	44	5.601	78	5.568
11	5.534	45	5.344	79	5.25	11	5.643	45	5.675	79	5.373
12	5.271	46	5.689	80	5.372	12	5.636	46	5.329	80	5.582
13	5.541	47	5.533	81	5.322	13	5.391	47	5.697	81	5.272
14	5.337	48	5.405	82	5.296	14	5.656	48	5.515	82	5.277
15	5.516	49	5.254	83	5.548	15	5.322	49	5.57	83	5.662
16	5.612	50	5.455	84	5.343	16	5.478	50	5.486	84	5.343
17	5.722	51	5.263	85	5.388	17	5.358	51	5.3	85	5.482
18	5.478	52	5.638	86	5.589	18	5.443	52	5.674	86	5.682
19	5.316	53	5.613	87	5.619	19	5.614	53	5.647	87	5.356
20	5.284	54	5.432	88	5.258	20	5.293	54	5.695	88	5.545
21	5.371	55	5.288	89	5.386	21	5.372	55	5.583	89	5.719
22	5.545	56	5.543	90	5.573	22	5.513	56	5.512	90	5.595
23	5.507	57	5.286	91	5.681	23	5.284	57	5.383	91	5.439
24	5.716	58	5.434	92	5.66	24	5.405	58	5.288	92	5.43
25	5.481	59	5.64	93	5.55	25	5.436	59	5.361	93	5.467
26	5.268	60	5.594	94	5.393	26	5.364	60	5.453	94	5.497
27	5.272	61	5.452	95	5.367	27	5.594	61	5.554	95	5.523
28	5.422	62	5.467	96	5.724	28	5.36	62	5.45	96	5.489
29	5.655	63	5.355	97	5.718	29	5.651	63	5.694	97	5.559
30	5.641	64	5.277	98	5.576	30	5.412	64	5.606	98	5.347
31	5.253	65	5.476	99	5.518	31	5.569	65	5.632	99	5.392
32	5.684	66	5.307	100	5.262	32	5.388	66	5.558	100	5.278
33	5.282	67	5.482			33	5.281	67	5.46		
34	5.283	68	5.501			34	5.375	68	5.508		

FCC0696-T6-TRIAL-15						FCC0696-T6-TRIAL-16					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.286	35	5.343	69	5.569	1	5.44	35	5.363	69	5.665
2	5.36	36	5.395	70	5.454	2	5.562	36	5.423	70	5.569
3	5.712	37	5.401	71	5.58	3	5.3	37	5.605	71	5.313
4	5.704	38	5.546	72	5.318	4	5.651	38	5.414	72	5.272
5	5.622	39	5.389	73	5.373	5	5.278	39	5.321	73	5.58
6	5.421	40	5.276	74	5.701	6	5.708	40	5.703	74	5.42
7	5.268	41	5.597	75	5.287	7	5.499	41	5.606	75	5.54
8	5.257	42	5.565	76	5.325	8	5.261	42	5.258	76	5.656
9	5.368	43	5.354	77	5.566	9	5.646	43	5.692	77	5.371
10	5.337	44	5.686	78	5.709	10	5.456	44	5.293	78	5.638
11	5.588	45	5.437	79	5.366	11	5.26	45	5.472	79	5.615
12	5.7	46	5.638	80	5.466	12	5.612	46	5.693	80	5.707
13	5.633	47	5.525	81	5.409	13	5.33	47	5.494	81	5.464
14	5.439	48	5.341	82	5.284	14	5.601	48	5.377	82	5.361
15	5.506	49	5.628	83	5.328	15	5.48	49	5.486	83	5.327
16	5.571	50	5.502	84	5.396	16	5.362	50	5.483	84	5.34
17	5.589	51	5.431	85	5.718	17	5.46	51	5.264	85	5.287
18	5.344	52	5.548	86	5.335	18	5.596	52	5.553	86	5.358
19	5.289	53	5.609	87	5.297	19	5.563	53	5.698	87	5.333
20	5.269	54	5.306	88	5.331	20	5.267	54	5.343	88	5.688
21	5.394	55	5.304	89	5.653	21	5.648	55	5.356	89	5.413
22	5.63	56	5.319	90	5.405	22	5.629	56	5.669	90	5.334
23	5.655	57	5.27	91	5.677	23	5.642	57	5.473	91	5.699
24	5.636	58	5.657	92	5.267	24	5.251	58	5.626	92	5.664
25	5.496	59	5.345	93	5.367	25	5.594	59	5.66	93	5.424
26	5.527	60	5.277	94	5.419	26	5.463	60	5.431	94	5.314
27	5.554	61	5.414	95	5.644	27	5.504	61	5.344	95	5.663
28	5.426	62	5.392	96	5.333	28	5.696	62	5.253	96	5.492
29	5.317	63	5.349	97	5.311	29	5.697	63	5.415	97	5.501
30	5.376	64	5.378	98	5.593	30	5.352	64	5.487	98	5.475
31	5.44	65	5.48	99	5.578	31	5.326	65	5.602	99	5.369
32	5.504	66	5.315	100	5.698	32	5.281	66	5.677	100	5.485
33	5.481	67	5.485			33	5.282	67	5.471		
34	5.684	68	5.543			34	5.505	68	5.55		

FCC0696-T6-TRIAL-17						FCC0696-T6-TRIAL-18					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.612	35	5.428	69	5.318	1	5.281	35	5.463	69	5.428
2	5.72	36	5.506	70	5.523	2	5.507	36	5.611	70	5.319
3	5.274	37	5.282	71	5.391	3	5.631	37	5.583	71	5.337
4	5.413	38	5.572	72	5.536	4	5.268	38	5.509	72	5.272
5	5.306	39	5.525	73	5.388	5	5.608	39	5.398	73	5.287
6	5.515	40	5.479	74	5.715	6	5.614	40	5.702	74	5.336
7	5.47	41	5.321	75	5.394	7	5.366	41	5.486	75	5.654
8	5.312	42	5.497	76	5.685	8	5.707	42	5.439	76	5.344
9	5.602	43	5.623	77	5.334	9	5.456	43	5.267	77	5.316
10	5.31	44	5.403	78	5.564	10	5.663	44	5.363	78	5.578
11	5.375	45	5.331	79	5.604	11	5.523	45	5.364	79	5.299
12	5.634	46	5.519	80	5.681	12	5.539	46	5.503	80	5.453
13	5.553	47	5.432	81	5.656	13	5.581	47	5.519	81	5.46
14	5.289	48	5.66	82	5.32	14	5.669	48	5.305	82	5.324
15	5.379	49	5.399	83	5.449	15	5.471	49	5.672	83	5.715
16	5.253	50	5.281	84	5.431	16	5.417	50	5.661	84	5.527
17	5.598	51	5.579	85	5.25	17	5.44	51	5.312	85	5.489
18	5.383	52	5.465	86	5.552	18	5.697	52	5.462	86	5.554
19	5.467	53	5.386	87	5.493	19	5.514	53	5.68	87	5.265
20	5.487	54	5.559	88	5.459	20	5.33	54	5.518	88	5.311
21	5.424	55	5.472	89	5.516	21	5.282	55	5.496	89	5.505
22	5.658	56	5.535	90	5.496	22	5.677	56	5.321	90	5.339
23	5.512	57	5.691	91	5.578	23	5.695	57	5.652	91	5.315
24	5.588	58	5.668	92	5.454	24	5.326	58	5.689	92	5.723
25	5.625	59	5.484	93	5.618	25	5.546	59	5.355	93	5.391
26	5.669	60	5.309	94	5.283	26	5.48	60	5.405	94	5.673
27	5.257	61	5.259	95	5.511	27	5.3	61	5.412	95	5.308
28	5.317	62	5.468	96	5.551	28	5.408	62	5.397	96	5.314
29	5.28	63	5.624	97	5.365	29	5.627	63	5.618	97	5.266
30	5.499	64	5.619	98	5.652	30	5.63	64	5.446	98	5.441
31	5.55	65	5.43	99	5.455	31	5.467	65	5.511	99	5.317
32	5.42	66	5.721	100	5.518	32	5.67	66	5.501	100	5.257
33	5.401	67	5.439			33	5.4	67	5.275		
34	5.255	68	5.406			34	5.617	68	5.447		

FCC0696-T6-TRIAL-19						FCC0696-T6-TRIAL-20					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.699	35	5.499	69	5.479	1	5.688	35	5.401	69	5.65
2	5.293	36	5.361	70	5.517	2	5.317	36	5.307	70	5.331
3	5.592	37	5.488	71	5.567	3	5.701	37	5.362	71	5.278
4	5.302	38	5.661	72	5.682	4	5.456	38	5.55	72	5.393
5	5.698	39	5.331	73	5.668	5	5.329	39	5.344	73	5.315
6	5.7	40	5.355	74	5.38	6	5.44	40	5.567	74	5.498
7	5.711	41	5.298	75	5.48	7	5.57	41	5.46	75	5.474
8	5.319	42	5.306	76	5.349	8	5.628	42	5.4	76	5.472
9	5.659	43	5.419	77	5.506	9	5.467	43	5.466	77	5.305
10	5.304	44	5.436	78	5.405	10	5.524	44	5.574	78	5.571
11	5.614	45	5.501	79	5.288	11	5.27	45	5.403	79	5.458
12	5.299	46	5.465	80	5.282	12	5.481	46	5.717	80	5.258
13	5.449	47	5.586	81	5.685	13	5.273	47	5.658	81	5.692
14	5.264	48	5.587	82	5.714	14	5.252	48	5.441	82	5.54
15	5.596	49	5.314	83	5.294	15	5.338	49	5.454	83	5.409
16	5.265	50	5.438	84	5.59	16	5.304	50	5.272	84	5.565
17	5.658	51	5.514	85	5.68	17	5.724	51	5.297	85	5.464
18	5.433	52	5.394	86	5.494	18	5.576	52	5.358	86	5.67
19	5.602	53	5.553	87	5.515	19	5.293	53	5.608	87	5.664
20	5.635	54	5.283	88	5.605	20	5.309	54	5.548	88	5.39
21	5.372	55	5.721	89	5.527	21	5.654	55	5.505	89	5.493
22	5.534	56	5.406	90	5.52	22	5.306	56	5.666	90	5.375
23	5.57	57	5.702	91	5.434	23	5.587	57	5.544	91	5.321
24	5.41	58	5.497	92	5.604	24	5.695	58	5.559	92	5.434
25	5.396	59	5.713	93	5.648	25	5.371	59	5.399	93	5.271
26	5.507	60	5.445	94	5.381	26	5.588	60	5.326	94	5.404
27	5.538	61	5.664	95	5.297	27	5.625	61	5.643	95	5.577
28	5.296	62	5.491	96	5.632	28	5.678	62	5.351	96	5.689
29	5.704	63	5.432	97	5.591	29	5.612	63	5.509	97	5.699
30	5.476	64	5.617	98	5.511	30	5.406	64	5.604	98	5.516
31	5.522	65	5.523	99	5.44	31	5.28	65	5.26	99	5.602
32	5.693	66	5.53	100	5.268	32	5.494	66	5.586	100	5.646
33	5.301	67	5.513			33	5.514	67	5.566		
34	5.626	68	5.622			34	5.573	68	5.6		

FCC0696-T6-TRIAL-21						FCC0696-T6-TRIAL-22					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.301	35	5.491	69	5.694	1	5.296	35	5.673	69	5.522
2	5.392	36	5.655	70	5.678	2	5.647	36	5.637	70	5.351
3	5.383	37	5.702	71	5.59	3	5.295	37	5.405	71	5.32
4	5.389	38	5.257	72	5.578	4	5.606	38	5.45	72	5.633
5	5.435	39	5.53	73	5.28	5	5.42	39	5.61	73	5.677
6	5.26	40	5.46	74	5.523	6	5.266	40	5.302	74	5.517
7	5.433	41	5.705	75	5.525	7	5.251	41	5.277	75	5.362
8	5.654	42	5.291	76	5.66	8	5.475	42	5.537	76	5.654
9	5.533	43	5.61	77	5.31	9	5.437	43	5.515	77	5.41
10	5.436	44	5.253	78	5.391	10	5.478	44	5.428	78	5.593
11	5.459	45	5.64	79	5.685	11	5.638	45	5.68	79	5.309
12	5.496	46	5.572	80	5.333	12	5.513	46	5.557	80	5.581
13	5.509	47	5.638	81	5.306	13	5.504	47	5.267	81	5.613
14	5.7	48	5.589	82	5.421	14	5.622	48	5.363	82	5.663
15	5.48	49	5.558	83	5.377	15	5.354	49	5.573	83	5.423
16	5.563	50	5.269	84	5.706	16	5.668	50	5.453	84	5.314
17	5.379	51	5.476	85	5.713	17	5.442	51	5.531	85	5.669
18	5.337	52	5.602	86	5.341	18	5.28	52	5.629	86	5.392
19	5.67	53	5.299	87	5.574	19	5.58	53	5.441	87	5.396
20	5.387	54	5.448	88	5.489	20	5.324	54	5.635	88	5.395
21	5.535	55	5.428	89	5.331	21	5.562	55	5.694	89	5.608
22	5.362	56	5.502	90	5.256	22	5.724	56	5.39	90	5.497
23	5.597	57	5.267	91	5.657	23	5.575	57	5.493	91	5.373
24	5.317	58	5.366	92	5.627	24	5.412	58	5.505	92	5.534
25	5.504	59	5.516	93	5.443	25	5.555	59	5.364	93	5.385
26	5.625	60	5.604	94	5.614	26	5.299	60	5.684	94	5.579
27	5.423	61	5.352	95	5.688	27	5.365	61	5.587	95	5.36
28	5.398	62	5.691	96	5.717	28	5.609	62	5.487	96	5.542
29	5.265	63	5.554	97	5.426	29	5.48	63	5.371	97	5.634
30	5.661	64	5.303	98	5.676	30	5.678	64	5.502	98	5.49
31	5.407	65	5.57	99	5.351	31	5.485	65	5.617	99	5.369
32	5.343	66	5.488	100	5.282	32	5.506	66	5.399	100	5.25
33	5.716	67	5.56			33	5.46	67	5.43		
34	5.25	68	5.437			34	5.498	68	5.341		

FCC0696-T6-TRIAL-23						FCC0696-T6-TRIAL-24					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.39	35	5.697	69	5.411	1	5.377	35	5.372	69	5.276
2	5.272	36	5.668	70	5.416	2	5.581	36	5.563	70	5.33
3	5.507	37	5.286	71	5.501	3	5.603	37	5.361	71	5.395
4	5.359	38	5.424	72	5.304	4	5.585	38	5.327	72	5.66
5	5.428	39	5.661	73	5.676	5	5.667	39	5.29	73	5.468
6	5.618	40	5.336	74	5.323	6	5.595	40	5.375	74	5.549
7	5.321	41	5.532	75	5.605	7	5.551	41	5.275	75	5.541
8	5.395	42	5.298	76	5.325	8	5.722	42	5.466	76	5.628
9	5.57	43	5.511	77	5.354	9	5.705	43	5.485	77	5.562
10	5.426	44	5.699	78	5.251	10	5.287	44	5.292	78	5.704
11	5.25	45	5.316	79	5.383	11	5.402	45	5.489	79	5.669
12	5.415	46	5.654	80	5.528	12	5.568	46	5.553	80	5.376
13	5.677	47	5.49	81	5.619	13	5.694	47	5.264	81	5.423
14	5.541	48	5.452	82	5.394	14	5.602	48	5.441	82	5.668
15	5.445	49	5.402	83	5.305	15	5.649	49	5.662	83	5.518
16	5.485	50	5.448	84	5.351	16	5.67	50	5.469	84	5.657
17	5.32	51	5.711	85	5.657	17	5.282	51	5.352	85	5.634
18	5.438	52	5.369	86	5.384	18	5.571	52	5.69	86	5.555
19	5.51	53	5.365	87	5.353	19	5.401	53	5.569	87	5.447
20	5.362	54	5.674	88	5.722	20	5.686	54	5.334	88	5.59
21	5.385	55	5.269	89	5.37	21	5.251	55	5.678	89	5.439
22	5.493	56	5.575	90	5.486	22	5.424	56	5.495	90	5.408
23	5.603	57	5.523	91	5.433	23	5.465	57	5.291	91	5.654
24	5.576	58	5.405	92	5.267	24	5.363	58	5.322	92	5.48
25	5.409	59	5.297	93	5.544	25	5.477	59	5.336	93	5.535
26	5.554	60	5.345	94	5.472	26	5.461	60	5.473	94	5.366
27	5.573	61	5.647	95	5.627	27	5.383	61	5.644	95	5.371
28	5.683	62	5.425	96	5.538	28	5.343	62	5.25	96	5.436
29	5.644	63	5.401	97	5.332	29	5.519	63	5.349	97	5.304
30	5.659	64	5.474	98	5.514	30	5.71	64	5.368	98	5.429
31	5.311	65	5.258	99	5.637	31	5.574	65	5.407	99	5.636
32	5.505	66	5.636	100	5.602	32	5.496	66	5.61	100	5.702
33	5.483	67	5.571			33	5.392	67	5.353		
34	5.333	68	5.558			34	5.459	68	5.358		

FCC0696-T6-TRIAL-25						FCC0696-T6-TRIAL-26					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.51	35	5.369	69	5.613	1	5.693	35	5.46	69	5.256
2	5.415	36	5.591	70	5.314	2	5.587	36	5.627	70	5.391
3	5.599	37	5.66	71	5.492	3	5.328	37	5.34	71	5.53
4	5.576	38	5.52	72	5.535	4	5.5	38	5.687	72	5.636
5	5.447	39	5.584	73	5.388	5	5.551	39	5.483	73	5.322
6	5.518	40	5.319	74	5.313	6	5.619	40	5.632	74	5.599
7	5.628	41	5.663	75	5.664	7	5.429	41	5.431	75	5.713
8	5.656	42	5.373	76	5.33	8	5.663	42	5.497	76	5.446
9	5.357	43	5.619	77	5.326	9	5.29	43	5.644	77	5.474
10	5.347	44	5.383	78	5.559	10	5.637	44	5.515	78	5.44
11	5.717	45	5.294	79	5.623	11	5.626	45	5.621	79	5.349
12	5.508	46	5.301	80	5.285	12	5.261	46	5.708	80	5.293
13	5.672	47	5.259	81	5.581	13	5.507	47	5.282	81	5.685
14	5.429	48	5.476	82	5.336	14	5.544	48	5.597	82	5.589
15	5.368	49	5.525	83	5.62	15	5.699	49	5.476	83	5.565
16	5.655	50	5.551	84	5.417	16	5.381	50	5.395	84	5.688
17	5.424	51	5.399	85	5.71	17	5.453	51	5.347	85	5.653
18	5.625	52	5.358	86	5.498	18	5.267	52	5.668	86	5.579
19	5.391	53	5.46	87	5.482	19	5.704	53	5.529	87	5.51
20	5.39	54	5.29	88	5.262	20	5.271	54	5.661	88	5.415
21	5.286	55	5.318	89	5.719	21	5.57	55	5.527	89	5.352
22	5.277	56	5.335	90	5.572	22	5.671	56	5.631	90	5.275
23	5.594	57	5.708	91	5.456	23	5.622	57	5.486	91	5.316
24	5.467	58	5.265	92	5.402	24	5.362	58	5.717	92	5.715
25	5.329	59	5.703	93	5.616	25	5.265	59	5.283	93	5.28
26	5.37	60	5.454	94	5.629	26	5.422	60	5.269	94	5.464
27	5.453	61	5.526	95	5.264	27	5.343	61	5.659	95	5.285
28	5.404	62	5.682	96	5.485	28	5.576	62	5.452	96	5.393
29	5.573	63	5.268	97	5.631	29	5.356	63	5.367	97	5.277
30	5.554	64	5.291	98	5.704	30	5.298	64	5.3	98	5.655
31	5.364	65	5.69	99	5.574	31	5.468	65	5.617	99	5.338
32	5.281	66	5.632	100	5.642	32	5.706	66	5.359	100	5.618
33	5.648	67	5.499			33	5.45	67	5.336		
34	5.419	68	5.665			34	5.54	68	5.432		

FCC0696-T6-TRIAL-27						FCC0696-T6-TRIAL-28					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.287	35	5.628	69	5.608	1	5.666	35	5.709	69	5.484
2	5.447	36	5.461	70	5.323	2	5.471	36	5.686	70	5.272
3	5.393	37	5.562	71	5.306	3	5.69	37	5.65	71	5.37
4	5.693	38	5.506	72	5.428	4	5.55	38	5.609	72	5.291
5	5.257	39	5.677	73	5.581	5	5.424	39	5.351	73	5.583
6	5.353	40	5.341	74	5.584	6	5.591	40	5.445	74	5.673
7	5.438	41	5.513	75	5.307	7	5.269	41	5.703	75	5.616
8	5.25	42	5.357	76	5.415	8	5.448	42	5.367	76	5.562
9	5.291	43	5.663	77	5.383	9	5.599	43	5.292	77	5.26
10	5.399	44	5.492	78	5.518	10	5.421	44	5.63	78	5.3
11	5.374	45	5.459	79	5.331	11	5.274	45	5.677	79	5.447
12	5.646	46	5.669	80	5.423	12	5.261	46	5.512	80	5.43
13	5.337	47	5.255	81	5.616	13	5.688	47	5.5	81	5.452
14	5.436	48	5.276	82	5.404	14	5.71	48	5.285	82	5.525
15	5.264	49	5.33	83	5.526	15	5.406	49	5.612	83	5.433
16	5.487	50	5.449	84	5.333	16	5.295	50	5.262	84	5.315
17	5.661	51	5.3	85	5.552	17	5.472	51	5.708	85	5.649
18	5.644	52	5.386	86	5.271	18	5.528	52	5.301	86	5.348
19	5.719	53	5.475	87	5.675	19	5.393	53	5.376	87	5.455
20	5.299	54	5.508	88	5.27	20	5.347	54	5.426	88	5.268
21	5.441	55	5.481	89	5.62	21	5.371	55	5.385	89	5.294
22	5.592	56	5.339	90	5.268	22	5.717	56	5.326	90	5.359
23	5.704	57	5.674	91	5.598	23	5.419	57	5.496	91	5.665
24	5.379	58	5.405	92	5.433	24	5.627	58	5.715	92	5.669
25	5.31	59	5.691	93	5.343	25	5.606	59	5.487	93	5.336
26	5.402	60	5.361	94	5.407	26	5.502	60	5.546	94	5.485
27	5.618	61	5.259	95	5.59	27	5.353	61	5.414	95	5.363
28	5.5	62	5.619	96	5.645	28	5.648	62	5.586	96	5.608
29	5.665	63	5.325	97	5.686	29	5.464	63	5.482	97	5.52
30	5.288	64	5.664	98	5.263	30	5.372	64	5.66	98	5.369
31	5.479	65	5.277	99	5.566	31	5.542	65	5.559	99	5.339
32	5.673	66	5.354	100	5.304	32	5.689	66	5.631	100	5.299
33	5.543	67	5.615			33	5.446	67	5.355		
34	5.71	68	5.6			34	5.637	68	5.316		

FCC0696-T6-TRIAL-29						FCC0696-T6-TRIAL-30					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.464	35	5.526	69	5.586	1	5.29	35	5.287	69	5.395
2	5.544	36	5.4	70	5.676	2	5.666	36	5.423	70	5.57
3	5.256	37	5.363	71	5.542	3	5.401	37	5.397	71	5.32
4	5.548	38	5.287	72	5.571	4	5.443	38	5.37	72	5.281
5	5.328	39	5.531	73	5.698	5	5.289	39	5.698	73	5.435
6	5.601	40	5.567	74	5.322	6	5.678	40	5.491	74	5.689
7	5.399	41	5.644	75	5.515	7	5.256	41	5.255	75	5.257
8	5.351	42	5.488	76	5.275	8	5.45	42	5.405	76	5.463
9	5.447	43	5.543	77	5.667	9	5.357	43	5.367	77	5.585
10	5.541	44	5.387	78	5.286	10	5.518	44	5.716	78	5.531
11	5.546	45	5.687	79	5.43	11	5.316	45	5.587	79	5.321
12	5.65	46	5.254	80	5.714	12	5.267	46	5.311	80	5.346
13	5.654	47	5.259	81	5.505	13	5.428	47	5.669	81	5.258
14	5.484	48	5.708	82	5.415	14	5.417	48	5.715	82	5.642
15	5.684	49	5.34	83	5.467	15	5.507	49	5.272	83	5.39
16	5.265	50	5.626	84	5.675	16	5.659	50	5.613	84	5.709
17	5.582	51	5.689	85	5.301	17	5.606	51	5.335	85	5.476
18	5.438	52	5.365	86	5.456	18	5.261	52	5.539	86	5.322
19	5.551	53	5.513	87	5.326	19	5.558	53	5.466	87	5.588
20	5.573	54	5.462	88	5.266	20	5.454	54	5.58	88	5.309
21	5.639	55	5.393	89	5.421	21	5.333	55	5.275	89	5.631
22	5.495	56	5.528	90	5.499	22	5.271	56	5.655	90	5.625
23	5.618	57	5.718	91	5.483	23	5.339	57	5.543	91	5.483
24	5.327	58	5.669	92	5.376	24	5.499	58	5.542	92	5.633
25	5.31	59	5.503	93	5.336	25	5.398	59	5.449	93	5.434
26	5.658	60	5.724	94	5.72	26	5.707	60	5.296	94	5.643
27	5.652	61	5.645	95	5.384	27	5.332	61	5.27	95	5.334
28	5.663	62	5.44	96	5.42	28	5.471	62	5.509	96	5.479
29	5.436	63	5.374	97	5.482	29	5.422	63	5.664	97	5.534
30	5.662	64	5.636	98	5.292	30	5.533	64	5.461	98	5.393
31	5.405	65	5.383	99	5.307	31	5.5	65	5.721	99	5.441
32	5.466	66	5.419	100	5.622	32	5.381	66	5.385	100	5.41
33	5.28	67	5.437			33	5.697	67	5.362		
34	5.305	68	5.449			34	5.604	68	5.62		

A.4 Radar Type 6 Parameters for 40 MHz Bandwidth

FCC0696-T6-TRIAL-1						FCC0696-T6-TRIAL-2					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.544	35	5.664	69	5.47	1	5.294	35	5.549	69	5.326
2	5.282	36	5.49	70	5.71	2	5.611	36	5.709	70	5.283
3	5.413	37	5.373	71	5.678	3	5.494	37	5.366	71	5.401
4	5.385	38	5.593	72	5.384	4	5.516	38	5.431	72	5.296
5	5.429	39	5.288	73	5.651	5	5.439	39	5.664	73	5.535
6	5.584	40	5.273	74	5.514	6	5.376	40	5.272	74	5.71
7	5.446	41	5.509	75	5.612	7	5.33	41	5.423	75	5.424
8	5.468	42	5.689	76	5.3	8	5.628	42	5.275	76	5.525
9	5.303	43	5.545	77	5.568	9	5.338	43	5.41	77	5.425
10	5.4	44	5.557	78	5.711	10	5.416	44	5.666	78	5.556
11	5.341	45	5.66	79	5.269	11	5.464	45	5.706	79	5.406
12	5.39	46	5.458	80	5.722	12	5.266	46	5.385	80	5.383
13	5.53	47	5.51	81	5.701	13	5.287	47	5.445	81	5.586
14	5.546	48	5.391	82	5.369	14	5.608	48	5.289	82	5.363
15	5.315	49	5.456	83	5.56	15	5.563	49	5.687	83	5.377
16	5.698	50	5.603	84	5.387	16	5.305	50	5.669	84	5.312
17	5.301	51	5.334	85	5.653	17	5.583	51	5.444	85	5.594
18	5.353	52	5.717	86	5.405	18	5.281	52	5.621	86	5.604
19	5.335	53	5.532	87	5.523	19	5.568	53	5.707	87	5.386
20	5.439	54	5.297	88	5.302	20	5.555	54	5.632	88	5.559
21	5.327	55	5.467	89	5.658	21	5.375	55	5.355	89	5.506
22	5.342	56	5.586	90	5.433	22	5.348	56	5.579	90	5.443
23	5.484	57	5.59	91	5.563	23	5.656	57	5.663	91	5.578
24	5.367	58	5.308	92	5.307	24	5.489	58	5.623	92	5.543
25	5.493	59	5.569	93	5.683	25	5.351	59	5.461	93	5.523
26	5.418	60	5.256	94	5.588	26	5.419	60	5.658	94	5.328
27	5.368	61	5.691	95	5.559	27	5.371	61	5.277	95	5.702
28	5.598	62	5.306	96	5.326	28	5.478	62	5.491	96	5.263
29	5.706	63	5.314	97	5.669	29	5.394	63	5.303	97	5.317
30	5.575	64	5.673	98	5.611	30	5.352	64	5.373	98	5.428
31	5.661	65	5.329	99	5.72	31	5.451	65	5.462	99	5.529
32	5.68	66	5.513	100	5.396	32	5.539	66	5.457	100	5.585
33	5.542	67	5.686			33	5.693	67	5.359		
34	5.506	68	5.359			34	5.596	68	5.64		

FCC0696-T6-TRIAL-3						FCC0696-T6-TRIAL-4					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.59	35	5.453	69	5.363	1	5.35	35	5.31	69	5.714
2	5.517	36	5.446	70	5.632	2	5.439	36	5.338	70	5.54
3	5.66	37	5.491	71	5.576	3	5.689	37	5.51	71	5.464
4	5.279	38	5.46	72	5.482	4	5.686	38	5.541	72	5.467
5	5.426	39	5.567	73	5.505	5	5.359	39	5.278	73	5.443
6	5.461	40	5.647	74	5.557	6	5.425	40	5.414	74	5.272
7	5.642	41	5.292	75	5.652	7	5.277	41	5.402	75	5.706
8	5.381	42	5.724	76	5.605	8	5.261	42	5.257	76	5.574
9	5.668	43	5.696	77	5.419	9	5.42	43	5.313	77	5.632
10	5.462	44	5.674	78	5.301	10	5.514	44	5.376	78	5.445
11	5.527	45	5.575	79	5.644	11	5.282	45	5.645	79	5.334
12	5.552	46	5.329	80	5.635	12	5.281	46	5.663	80	5.321
13	5.273	47	5.686	81	5.264	13	5.521	47	5.294	81	5.379
14	5.714	48	5.718	82	5.619	14	5.304	48	5.481	82	5.455
15	5.342	49	5.609	83	5.58	15	5.65	49	5.317	83	5.68
16	5.577	50	5.657	84	5.428	16	5.665	50	5.447	84	5.463
17	5.305	51	5.537	85	5.294	17	5.405	51	5.488	85	5.452
18	5.423	52	5.721	86	5.455	18	5.707	52	5.565	86	5.558
19	5.425	53	5.392	87	5.336	19	5.616	53	5.461	87	5.44
20	5.653	54	5.321	88	5.354	20	5.699	54	5.406	88	5.536
21	5.379	55	5.447	89	5.465	21	5.617	55	5.342	89	5.489
22	5.54	56	5.383	90	5.614	22	5.398	56	5.386	90	5.557
23	5.515	57	5.661	91	5.353	23	5.684	57	5.46	91	5.328
24	5.612	58	5.424	92	5.263	24	5.555	58	5.542	92	5.503
25	5.528	59	5.676	93	5.543	25	5.533	59	5.341	93	5.66
26	5.28	60	5.636	94	5.513	26	5.364	60	5.472	94	5.36
27	5.411	61	5.402	95	5.452	27	5.451	61	5.399	95	5.286
28	5.417	62	5.53	96	5.433	28	5.345	62	5.254	96	5.407
29	5.328	63	5.658	97	5.437	29	5.656	63	5.543	97	5.337
30	5.583	64	5.406	98	5.656	30	5.397	64	5.369	98	5.652
31	5.615	65	5.554	99	5.398	31	5.308	65	5.428	99	5.476
32	5.511	66	5.44	100	5.457	32	5.527	66	5.549	100	5.593
33	5.579	67	5.431			33	5.496	67	5.378		
34	5.595	68	5.255			34	5.576	68	5.431		

FCC0696-T6-TRIAL-5						FCC0696-T6-TRIAL-6					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.34	35	5.571	69	5.492	1	5.604	35	5.414	69	5.521
2	5.352	36	5.502	70	5.446	2	5.691	36	5.313	70	5.555
3	5.294	37	5.55	71	5.336	3	5.458	37	5.437	71	5.667
4	5.347	38	5.331	72	5.643	4	5.613	38	5.442	72	5.283
5	5.489	39	5.362	73	5.435	5	5.545	39	5.547	73	5.322
6	5.555	40	5.685	74	5.323	6	5.651	40	5.529	74	5.627
7	5.378	41	5.288	75	5.724	7	5.413	41	5.532	75	5.514
8	5.51	42	5.429	76	5.596	8	5.634	42	5.38	76	5.558
9	5.354	43	5.598	77	5.452	9	5.645	43	5.548	77	5.348
10	5.274	44	5.251	78	5.326	10	5.352	44	5.253	78	5.377
11	5.475	45	5.456	79	5.355	11	5.723	45	5.257	79	5.255
12	5.286	46	5.534	80	5.714	12	5.541	46	5.256	80	5.671
13	5.359	47	5.642	81	5.369	13	5.597	47	5.486	81	5.503
14	5.622	48	5.527	82	5.666	14	5.665	48	5.598	82	5.384
15	5.503	49	5.259	83	5.679	15	5.366	49	5.675	83	5.363
16	5.417	50	5.491	84	5.674	16	5.586	50	5.399	84	5.262
17	5.688	51	5.703	85	5.499	17	5.59	51	5.401	85	5.662
18	5.704	52	5.322	86	5.468	18	5.579	52	5.522	86	5.544
19	5.61	53	5.318	87	5.593	19	5.397	53	5.459	87	5.474
20	5.46	54	5.445	88	5.316	20	5.288	54	5.303	88	5.588
21	5.469	55	5.439	89	5.653	21	5.633	55	5.268	89	5.308
22	5.269	56	5.324	90	5.635	22	5.661	56	5.711	90	5.321
23	5.539	57	5.263	91	5.317	23	5.259	57	5.512	91	5.476
24	5.364	58	5.501	92	5.267	24	5.252	58	5.549	92	5.48
25	5.49	59	5.702	93	5.397	25	5.56	59	5.61	93	5.355
26	5.67	60	5.367	94	5.58	26	5.713	60	5.618	94	5.603
27	5.623	61	5.44	95	5.343	27	5.448	61	5.333	95	5.298
28	5.582	62	5.522	96	5.601	28	5.411	62	5.566	96	5.652
29	5.31	63	5.433	97	5.627	29	5.509	63	5.25	97	5.561
30	5.348	64	5.677	98	5.408	30	5.347	64	5.387	98	5.327
31	5.339	65	5.556	99	5.521	31	5.655	65	5.617	99	5.478
32	5.308	66	5.686	100	5.351	32	5.708	66	5.537	100	5.606
33	5.516	67	5.625			33	5.419	67	5.32		
34	5.32	68	5.381			34	5.666	68	5.607		

FCC0696-T6-TRIAL-7						FCC0696-T6-TRIAL-8					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.475	35	5.355	69	5.681	1	5.522	35	5.408	69	5.523
2	5.45	36	5.673	70	5.384	2	5.462	36	5.688	70	5.561
3	5.472	37	5.609	71	5.71	3	5.437	37	5.256	71	5.569
4	5.602	38	5.309	72	5.482	4	5.635	38	5.414	72	5.526
5	5.661	39	5.428	73	5.664	5	5.331	39	5.56	73	5.582
6	5.32	40	5.381	74	5.703	6	5.64	40	5.69	74	5.517
7	5.717	41	5.405	75	5.426	7	5.634	41	5.378	75	5.274
8	5.545	42	5.688	76	5.412	8	5.287	42	5.318	76	5.317
9	5.48	43	5.442	77	5.696	9	5.398	43	5.612	77	5.548
10	5.667	44	5.31	78	5.503	10	5.282	44	5.351	78	5.656
11	5.508	45	5.297	79	5.685	11	5.583	45	5.332	79	5.302
12	5.323	46	5.421	80	5.519	12	5.538	46	5.625	80	5.5
13	5.606	47	5.662	81	5.427	13	5.393	47	5.661	81	5.59
14	5.718	48	5.555	82	5.527	14	5.459	48	5.415	82	5.601
15	5.324	49	5.312	83	5.594	15	5.628	49	5.573	83	5.296
16	5.3	50	5.283	84	5.489	16	5.529	50	5.724	84	5.521
17	5.711	51	5.273	85	5.387	17	5.568	51	5.383	85	5.283
18	5.492	52	5.532	86	5.541	18	5.355	52	5.327	86	5.499
19	5.57	53	5.371	87	5.307	19	5.553	53	5.567	87	5.609
20	5.516	54	5.446	88	5.722	20	5.645	54	5.341	88	5.683
21	5.294	55	5.641	89	5.334	21	5.399	55	5.345	89	5.306
22	5.666	56	5.695	90	5.321	22	5.531	56	5.34	90	5.337
23	5.445	57	5.274	91	5.583	23	5.324	57	5.631	91	5.51
24	5.397	58	5.684	92	5.487	24	5.504	58	5.579	92	5.525
25	5.605	59	5.326	93	5.596	25	5.3	59	5.721	93	5.599
26	5.275	60	5.677	94	5.256	26	5.586	60	5.308	94	5.354
27	5.599	61	5.566	95	5.683	27	5.556	61	5.41	95	5.712
28	5.694	62	5.383	96	5.587	28	5.716	62	5.565	96	5.416
29	5.435	63	5.598	97	5.721	29	5.53	63	5.479	97	5.719
30	5.357	64	5.365	98	5.524	30	5.627	64	5.37	98	5.7
31	5.359	65	5.659	99	5.266	31	5.359	65	5.497	99	5.314
32	5.621	66	5.399	100	5.285	32	5.68	66	5.397	100	5.27
33	5.624	67	5.369			33	5.545	67	5.632		
34	5.632	68	5.479			34	5.475	68	5.361		

FCC0696-T6-TRIAL-9						FCC0696-T6-TRIAL-10					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.7	35	5.38	69	5.615	1	5.297	35	5.546	69	5.463
2	5.531	36	5.369	70	5.564	2	5.646	36	5.441	70	5.391
3	5.291	37	5.337	71	5.445	3	5.284	37	5.27	71	5.551
4	5.646	38	5.55	72	5.321	4	5.655	38	5.513	72	5.544
5	5.537	39	5.315	73	5.515	5	5.588	39	5.535	73	5.275
6	5.451	40	5.49	74	5.252	6	5.721	40	5.449	74	5.648
7	5.59	41	5.311	75	5.536	7	5.507	41	5.46	75	5.684
8	5.609	42	5.487	76	5.5	8	5.623	42	5.599	76	5.334
9	5.67	43	5.552	77	5.656	9	5.701	43	5.252	77	5.568
10	5.707	44	5.31	78	5.458	10	5.65	44	5.47	78	5.331
11	5.676	45	5.294	79	5.574	11	5.293	45	5.487	79	5.723
12	5.636	46	5.662	80	5.302	12	5.266	46	5.591	80	5.301
13	5.523	47	5.254	81	5.439	13	5.572	47	5.56	81	5.329
14	5.468	48	5.606	82	5.379	14	5.263	48	5.722	82	5.307
15	5.404	49	5.557	83	5.563	15	5.319	49	5.682	83	5.344
16	5.465	50	5.304	84	5.605	16	5.261	50	5.308	84	5.66
17	5.573	51	5.699	85	5.658	17	5.423	51	5.364	85	5.715
18	5.698	52	5.403	86	5.493	18	5.578	52	5.343	86	5.498
19	5.477	53	5.414	87	5.279	19	5.495	53	5.302	87	5.466
20	5.262	54	5.309	88	5.481	20	5.647	54	5.396	88	5.456
21	5.534	55	5.305	89	5.507	21	5.429	55	5.267	89	5.481
22	5.679	56	5.393	90	5.492	22	5.427	56	5.36	90	5.251
23	5.525	57	5.691	91	5.282	23	5.523	57	5.382	91	5.311
24	5.647	58	5.333	92	5.504	24	5.356	58	5.273	92	5.677
25	5.426	59	5.587	93	5.628	25	5.678	59	5.488	93	5.407
26	5.569	60	5.464	94	5.64	26	5.459	60	5.433	94	5.395
27	5.642	61	5.34	95	5.511	27	5.453	61	5.574	95	5.626
28	5.584	62	5.608	96	5.45	28	5.638	62	5.698	96	5.425
29	5.434	63	5.444	97	5.287	29	5.6	63	5.531	97	5.462
30	5.461	64	5.637	98	5.325	30	5.337	64	5.504	98	5.536
31	5.683	65	5.314	99	5.694	31	5.586	65	5.506	99	5.281
32	5.25	66	5.53	100	5.423	32	5.326	66	5.448	100	5.706
33	5.553	67	5.645			33	5.435	67	5.613		
34	5.719	68	5.651			34	5.355	68	5.627		

FCC0696-T6-TRIAL-11						FCC0696-T6-TRIAL-12					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.658	35	5.271	69	5.694	1	5.65	35	5.641	69	5.401
2	5.625	36	5.627	70	5.435	2	5.425	36	5.504	70	5.68
3	5.696	37	5.707	71	5.581	3	5.258	37	5.724	71	5.652
4	5.421	38	5.365	72	5.641	4	5.347	38	5.601	72	5.668
5	5.353	39	5.324	73	5.281	5	5.254	39	5.655	73	5.295
6	5.253	40	5.268	74	5.599	6	5.276	40	5.679	74	5.542
7	5.656	41	5.341	75	5.478	7	5.433	41	5.442	75	5.294
8	5.525	42	5.616	76	5.723	8	5.272	42	5.476	76	5.531
9	5.557	43	5.437	77	5.578	9	5.595	43	5.458	77	5.382
10	5.527	44	5.672	78	5.528	10	5.319	44	5.293	78	5.606
11	5.355	45	5.294	79	5.312	11	5.6	45	5.607	79	5.407
12	5.374	46	5.487	80	5.539	12	5.513	46	5.684	80	5.374
13	5.701	47	5.408	81	5.502	13	5.475	47	5.722	81	5.318
14	5.669	48	5.351	82	5.61	14	5.517	48	5.439	82	5.436
15	5.681	49	5.274	83	5.663	15	5.36	49	5.717	83	5.331
16	5.544	50	5.432	84	5.692	16	5.712	50	5.26	84	5.686
17	5.293	51	5.463	85	5.603	17	5.437	51	5.362	85	5.332
18	5.594	52	5.316	86	5.719	18	5.419	52	5.616	86	5.577
19	5.523	53	5.279	87	5.531	19	5.59	53	5.647	87	5.367
20	5.576	54	5.342	88	5.387	20	5.535	54	5.304	88	5.695
21	5.39	55	5.273	89	5.566	21	5.578	55	5.58	89	5.662
22	5.497	56	5.588	90	5.512	22	5.629	56	5.554	90	5.671
23	5.438	57	5.381	91	5.721	23	5.262	57	5.396	91	5.384
24	5.3	58	5.545	92	5.359	24	5.527	58	5.654	92	5.627
25	5.384	59	5.405	93	5.257	25	5.296	59	5.336	93	5.29
26	5.697	60	5.646	94	5.314	26	5.309	60	5.623	94	5.255
27	5.562	61	5.479	95	5.635	27	5.515	61	5.289	95	5.496
28	5.284	62	5.337	96	5.373	28	5.552	62	5.308	96	5.399
29	5.617	63	5.252	97	5.686	29	5.591	63	5.583	97	5.277
30	5.605	64	5.399	98	5.471	30	5.266	64	5.598	98	5.328
31	5.392	65	5.258	99	5.46	31	5.31	65	5.299	99	5.649
32	5.428	66	5.311	100	5.49	32	5.391	66	5.548	100	5.545
33	5.595	67	5.546			33	5.457	67	5.588		
34	5.638	68	5.504			34	5.714	68	5.707		

FCC0696-T6-TRIAL-13						FCC0696-T6-TRIAL-14					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.458	35	5.639	69	5.538	1	5.465	35	5.583	69	5.435
2	5.38	36	5.518	70	5.324	2	5.528	36	5.323	70	5.625
3	5.549	37	5.485	71	5.692	3	5.384	37	5.479	71	5.671
4	5.268	38	5.451	72	5.402	4	5.358	38	5.677	72	5.485
5	5.277	39	5.452	73	5.582	5	5.673	39	5.614	73	5.363
6	5.337	40	5.467	74	5.551	6	5.417	40	5.42	74	5.532
7	5.256	41	5.259	75	5.334	7	5.292	41	5.611	75	5.585
8	5.42	42	5.577	76	5.668	8	5.623	42	5.276	76	5.659
9	5.683	43	5.58	77	5.486	9	5.657	43	5.418	77	5.467
10	5.532	44	5.367	78	5.569	10	5.256	44	5.643	78	5.586
11	5.444	45	5.543	79	5.653	11	5.533	45	5.431	79	5.699
12	5.461	46	5.712	80	5.352	12	5.624	46	5.336	80	5.589
13	5.301	47	5.322	81	5.426	13	5.491	47	5.375	81	5.266
14	5.529	48	5.445	82	5.338	14	5.582	48	5.695	82	5.356
15	5.512	49	5.411	83	5.361	15	5.346	49	5.568	83	5.602
16	5.537	50	5.638	84	5.671	16	5.262	50	5.579	84	5.25
17	5.526	51	5.71	85	5.661	17	5.474	51	5.3	85	5.518
18	5.319	52	5.554	86	5.514	18	5.7	52	5.355	86	5.32
19	5.433	53	5.688	87	5.35	19	5.652	53	5.502	87	5.423
20	5.702	54	5.317	88	5.408	20	5.38	54	5.432	88	5.59
21	5.385	55	5.475	89	5.673	21	5.711	55	5.35	89	5.513
22	5.478	56	5.373	90	5.513	22	5.366	56	5.254	90	5.603
23	5.272	57	5.528	91	5.34	23	5.361	57	5.555	91	5.708
24	5.594	58	5.609	92	5.462	24	5.574	58	5.392	92	5.493
25	5.413	59	5.644	93	5.701	25	5.646	59	5.716	93	5.581
26	5.552	60	5.483	94	5.296	26	5.313	60	5.612	94	5.573
27	5.612	61	5.648	95	5.46	27	5.505	61	5.546	95	5.685
28	5.457	62	5.447	96	5.261	28	5.545	62	5.253	96	5.571
29	5.608	63	5.655	97	5.687	29	5.255	63	5.436	97	5.723
30	5.358	64	5.278	98	5.666	30	5.345	64	5.494	98	5.599
31	5.295	65	5.65	99	5.553	31	5.559	65	5.719	99	5.588
32	5.588	66	5.309	100	5.351	32	5.674	66	5.662	100	5.257
33	5.383	67	5.663			33	5.405	67	5.264		
34	5.49	68	5.503			34	5.397	68	5.426		

FCC0696-T6-TRIAL-15						FCC0696-T6-TRIAL-16					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.622	35	5.574	69	5.656	1	5.523	35	5.284	69	5.271
2	5.545	36	5.624	70	5.461	2	5.435	36	5.285	70	5.356
3	5.569	37	5.525	71	5.683	3	5.467	37	5.361	71	5.501
4	5.705	38	5.483	72	5.507	4	5.663	38	5.464	72	5.274
5	5.258	39	5.32	73	5.41	5	5.57	39	5.516	73	5.707
6	5.634	40	5.544	74	5.516	6	5.303	40	5.485	74	5.338
7	5.347	41	5.35	75	5.495	7	5.587	41	5.724	75	5.454
8	5.45	42	5.451	76	5.61	8	5.348	42	5.606	76	5.639
9	5.405	43	5.411	77	5.536	9	5.552	43	5.647	77	5.425
10	5.549	44	5.54	78	5.575	10	5.673	44	5.677	78	5.325
11	5.343	45	5.402	79	5.395	11	5.678	45	5.529	79	5.491
12	5.322	46	5.252	80	5.548	12	5.475	46	5.667	80	5.388
13	5.708	47	5.427	81	5.71	13	5.387	47	5.398	81	5.708
14	5.537	48	5.631	82	5.34	14	5.296	48	5.309	82	5.43
15	5.264	49	5.504	83	5.371	15	5.489	49	5.292	83	5.652
16	5.608	50	5.254	84	5.369	16	5.646	50	5.344	84	5.312
17	5.443	51	5.625	85	5.605	17	5.479	51	5.402	85	5.669
18	5.534	52	5.632	86	5.467	18	5.553	52	5.654	86	5.417
19	5.578	53	5.523	87	5.373	19	5.703	53	5.51	87	5.291
20	5.589	54	5.359	88	5.646	20	5.419	54	5.666	88	5.513
21	5.311	55	5.554	89	5.392	21	5.346	55	5.592	89	5.406
22	5.558	56	5.281	90	5.479	22	5.483	56	5.623	90	5.595
23	5.478	57	5.598	91	5.592	23	5.52	57	5.353	91	5.397
24	5.535	58	5.378	92	5.629	24	5.403	58	5.549	92	5.421
25	5.49	59	5.476	93	5.602	25	5.717	59	5.308	93	5.514
26	5.355	60	5.603	94	5.594	26	5.307	60	5.449	94	5.384
27	5.584	61	5.532	95	5.441	27	5.283	61	5.574	95	5.713
28	5.319	62	5.697	96	5.538	28	5.347	62	5.332	96	5.256
29	5.287	63	5.711	97	5.682	29	5.659	63	5.681	97	5.69
30	5.361	64	5.339	98	5.439	30	5.635	64	5.383	98	5.33
31	5.466	65	5.274	99	5.644	31	5.28	65	5.349	99	5.642
32	5.379	66	5.367	100	5.645	32	5.559	66	5.482	100	5.446
33	5.586	67	5.412			33	5.34	67	5.265		
34	5.276	68	5.583			34	5.318	68	5.691		

FCC0696-T6-TRIAL-17						FCC0696-T6-TRIAL-18					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.484	35	5.402	69	5.724	1	5.379	35	5.723	69	5.605
2	5.655	36	5.439	70	5.598	2	5.34	36	5.669	70	5.349
3	5.523	37	5.634	71	5.453	3	5.545	37	5.601	71	5.402
4	5.508	38	5.69	72	5.383	4	5.324	38	5.503	72	5.387
5	5.422	39	5.379	73	5.467	5	5.386	39	5.333	73	5.339
6	5.368	40	5.559	74	5.621	6	5.713	40	5.385	74	5.577
7	5.433	41	5.713	75	5.68	7	5.482	41	5.359	75	5.376
8	5.391	42	5.298	76	5.526	8	5.608	42	5.448	76	5.62
9	5.316	43	5.286	77	5.62	9	5.514	43	5.348	77	5.559
10	5.679	44	5.647	78	5.5	10	5.479	44	5.437	78	5.399
11	5.381	45	5.337	79	5.698	11	5.506	45	5.424	79	5.653
12	5.512	46	5.572	80	5.59	12	5.493	46	5.258	80	5.646
13	5.525	47	5.367	81	5.671	13	5.458	47	5.406	81	5.58
14	5.332	48	5.412	82	5.504	14	5.553	48	5.549	82	5.535
15	5.341	49	5.718	83	5.328	15	5.305	49	5.526	83	5.326
16	5.385	50	5.589	84	5.684	16	5.342	50	5.525	84	5.422
17	5.32	51	5.284	85	5.586	17	5.375	51	5.3	85	5.529
18	5.54	52	5.468	86	5.325	18	5.329	52	5.377	86	5.318
19	5.722	53	5.472	87	5.645	19	5.456	53	5.609	87	5.327
20	5.619	54	5.604	88	5.346	20	5.405	54	5.511	88	5.662
21	5.651	55	5.491	89	5.511	21	5.478	55	5.415	89	5.253
22	5.606	56	5.632	90	5.339	22	5.444	56	5.572	90	5.708
23	5.386	57	5.424	91	5.705	23	5.39	57	5.542	91	5.666
24	5.415	58	5.254	92	5.473	24	5.555	58	5.361	92	5.269
25	5.583	59	5.431	93	5.708	25	5.357	59	5.595	93	5.442
26	5.71	60	5.666	94	5.463	26	5.507	60	5.279	94	5.676
27	5.349	61	5.533	95	5.486	27	5.697	61	5.256	95	5.337
28	5.435	62	5.689	96	5.677	28	5.696	62	5.384	96	5.667
29	5.558	63	5.592	97	5.293	29	5.278	63	5.351	97	5.325
30	5.482	64	5.455	98	5.509	30	5.614	64	5.407	98	5.585
31	5.353	65	5.618	99	5.43	31	5.558	65	5.295	99	5.26
32	5.338	66	5.27	100	5.629	32	5.562	66	5.586	100	5.54
33	5.313	67	5.414			33	5.504	67	5.316		
34	5.577	68	5.404			34	5.462	68	5.319		

FCC0696-T6-TRIAL-19						FCC0696-T6-TRIAL-20					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.691	35	5.7	69	5.694	1	5.569	35	5.468	69	5.524
2	5.486	36	5.567	70	5.541	2	5.251	36	5.294	70	5.273
3	5.638	37	5.388	71	5.364	3	5.523	37	5.328	71	5.527
4	5.421	38	5.447	72	5.557	4	5.347	38	5.35	72	5.312
5	5.273	39	5.625	73	5.262	5	5.401	39	5.601	73	5.718
6	5.523	40	5.586	74	5.322	6	5.529	40	5.504	74	5.659
7	5.651	41	5.453	75	5.702	7	5.265	41	5.577	75	5.321
8	5.63	42	5.536	76	5.343	8	5.386	42	5.421	76	5.363
9	5.406	43	5.457	77	5.314	9	5.259	43	5.295	77	5.445
10	5.68	44	5.396	78	5.422	10	5.454	44	5.722	78	5.696
11	5.629	45	5.473	79	5.356	11	5.302	45	5.474	79	5.68
12	5.619	46	5.427	80	5.28	12	5.355	46	5.625	80	5.549
13	5.6	47	5.574	81	5.333	13	5.589	47	5.538	81	5.379
14	5.496	48	5.484	82	5.268	14	5.434	48	5.657	82	5.34
15	5.572	49	5.613	83	5.361	15	5.381	49	5.51	83	5.453
16	5.281	50	5.394	84	5.275	16	5.683	50	5.392	84	5.521
17	5.657	51	5.65	85	5.628	17	5.346	51	5.278	85	5.436
18	5.345	52	5.386	86	5.614	18	5.514	52	5.293	86	5.351
19	5.476	53	5.36	87	5.66	19	5.512	53	5.33	87	5.464
20	5.255	54	5.508	88	5.271	20	5.678	54	5.716	88	5.477
21	5.346	55	5.337	89	5.389	21	5.311	55	5.465	89	5.664
22	5.264	56	5.34	90	5.718	22	5.452	56	5.332	90	5.37
23	5.715	57	5.326	91	5.282	23	5.486	57	5.472	91	5.578
24	5.714	58	5.568	92	5.703	24	5.286	58	5.275	92	5.555
25	5.595	59	5.517	93	5.585	25	5.495	59	5.361	93	5.533
26	5.593	60	5.656	94	5.689	26	5.543	60	5.681	94	5.279
27	5.706	61	5.469	95	5.48	27	5.703	61	5.443	95	5.615
28	5.584	62	5.335	96	5.675	28	5.481	62	5.274	96	5.65
29	5.312	63	5.425	97	5.426	29	5.471	63	5.505	97	5.487
30	5.53	64	5.704	98	5.491	30	5.516	64	5.653	98	5.395
31	5.483	65	5.511	99	5.482	31	5.654	65	5.36	99	5.296
32	5.648	66	5.596	100	5.349	32	5.412	66	5.544	100	5.372
33	5.644	67	5.581			33	5.383	67	5.339		
34	5.287	68	5.488			34	5.502	68	5.262		

FCC0696-T6-TRIAL-21						FCC0696-T6-TRIAL-22					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.297	35	5.486	69	5.687	1	5.256	35	5.592	69	5.328
2	5.723	36	5.285	70	5.292	2	5.399	36	5.543	70	5.601
3	5.368	37	5.433	71	5.695	3	5.389	37	5.649	71	5.617
4	5.398	38	5.717	72	5.435	4	5.556	38	5.493	72	5.647
5	5.328	39	5.314	73	5.442	5	5.441	39	5.663	73	5.503
6	5.391	40	5.664	74	5.634	6	5.314	40	5.434	74	5.549
7	5.62	41	5.251	75	5.408	7	5.481	41	5.701	75	5.487
8	5.44	42	5.6	76	5.648	8	5.704	42	5.301	76	5.614
9	5.291	43	5.548	77	5.711	9	5.66	43	5.535	77	5.371
10	5.616	44	5.268	78	5.497	10	5.516	44	5.584	78	5.391
11	5.352	45	5.651	79	5.335	11	5.686	45	5.367	79	5.318
12	5.551	46	5.282	80	5.329	12	5.58	46	5.718	80	5.713
13	5.501	47	5.445	81	5.58	13	5.262	47	5.296	81	5.383
14	5.261	48	5.361	82	5.464	14	5.393	48	5.297	82	5.396
15	5.264	49	5.549	83	5.489	15	5.629	49	5.305	83	5.534
16	5.516	50	5.472	84	5.638	16	5.451	50	5.501	84	5.454
17	5.481	51	5.541	85	5.462	17	5.691	51	5.307	85	5.411
18	5.288	52	5.701	86	5.523	18	5.429	52	5.407	86	5.499
19	5.574	53	5.542	87	5.468	19	5.268	53	5.409	87	5.463
20	5.475	54	5.355	88	5.514	20	5.278	54	5.447	88	5.285
21	5.451	55	5.512	89	5.625	21	5.477	55	5.62	89	5.602
22	5.4	56	5.362	90	5.319	22	5.436	56	5.443	90	5.667
23	5.513	57	5.367	91	5.425	23	5.593	57	5.3	91	5.623
24	5.7	58	5.429	92	5.702	24	5.595	58	5.514	92	5.522
25	5.384	59	5.349	93	5.262	25	5.607	59	5.714	93	5.561
26	5.488	60	5.36	94	5.397	26	5.368	60	5.254	94	5.273
27	5.627	61	5.321	95	5.613	27	5.376	61	5.259	95	5.322
28	5.649	62	5.387	96	5.706	28	5.478	62	5.345	96	5.651
29	5.412	63	5.585	97	5.556	29	5.681	63	5.308	97	5.71
30	5.624	64	5.484	98	5.29	30	5.279	64	5.668	98	5.632
31	5.28	65	5.407	99	5.591	31	5.65	65	5.565	99	5.267
32	5.526	66	5.652	100	5.374	32	5.325	66	5.28	100	5.619
33	5.607	67	5.586			33	5.54	67	5.613		
34	5.709	68	5.571			34	5.636	68	5.416		

FCC0696-T6-TRIAL-23						FCC0696-T6-TRIAL-24					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.41	35	5.401	69	5.42	1	5.461	35	5.31	69	5.329
2	5.584	36	5.522	70	5.579	2	5.535	36	5.328	70	5.344
3	5.474	37	5.706	71	5.507	3	5.482	37	5.694	71	5.592
4	5.552	38	5.538	72	5.586	4	5.369	38	5.294	72	5.712
5	5.671	39	5.49	73	5.266	5	5.597	39	5.639	73	5.568
6	5.342	40	5.254	74	5.672	6	5.484	40	5.487	74	5.423
7	5.564	41	5.403	75	5.533	7	5.637	41	5.604	75	5.539
8	5.663	42	5.561	76	5.654	8	5.643	42	5.308	76	5.277
9	5.568	43	5.639	77	5.484	9	5.497	43	5.272	77	5.64
10	5.473	44	5.681	78	5.591	10	5.702	44	5.658	78	5.346
11	5.523	45	5.625	79	5.46	11	5.529	45	5.653	79	5.703
12	5.687	46	5.36	80	5.692	12	5.499	46	5.514	80	5.536
13	5.291	47	5.43	81	5.482	13	5.485	47	5.402	81	5.562
14	5.267	48	5.33	82	5.386	14	5.722	48	5.547	82	5.469
15	5.666	49	5.373	83	5.331	15	5.391	49	5.414	83	5.496
16	5.711	50	5.259	84	5.391	16	5.48	50	5.382	84	5.47
17	5.255	51	5.607	85	5.702	17	5.404	51	5.553	85	5.342
18	5.385	52	5.477	86	5.302	18	5.538	52	5.323	86	5.262
19	5.397	53	5.554	87	5.573	19	5.46	53	5.638	87	5.336
20	5.432	54	5.421	88	5.422	20	5.628	54	5.368	88	5.495
21	5.601	55	5.585	89	5.301	21	5.301	55	5.345	89	5.552
22	5.604	56	5.602	90	5.382	22	5.332	56	5.435	90	5.506
23	5.688	57	5.27	91	5.393	23	5.479	57	5.692	91	5.574
24	5.566	58	5.448	92	5.648	24	5.667	58	5.657	92	5.317
25	5.276	59	5.26	93	5.612	25	5.297	59	5.285	93	5.567
26	5.62	60	5.419	94	5.599	26	5.28	60	5.264	94	5.291
27	5.367	61	5.344	95	5.282	27	5.551	61	5.367	95	5.476
28	5.63	62	5.514	96	5.512	28	5.3	62	5.606	96	5.611
29	5.707	63	5.35	97	5.483	29	5.466	63	5.621	97	5.324
30	5.379	64	5.281	98	5.649	30	5.572	64	5.716	98	5.488
31	5.314	65	5.313	99	5.527	31	5.603	65	5.695	99	5.347
32	5.57	66	5.488	100	5.66	32	5.631	66	5.689	100	5.486
33	5.466	67	5.327			33	5.371	67	5.721		
34	5.292	68	5.436			34	5.665	68	5.615		

FCC0696-T6-TRIAL-25						FCC0696-T6-TRIAL-26					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.675	35	5.461	69	5.63	1	5.588	35	5.54	69	5.698
2	5.674	36	5.409	70	5.328	2	5.295	36	5.405	70	5.319
3	5.289	37	5.357	71	5.625	3	5.476	37	5.51	71	5.547
4	5.338	38	5.425	72	5.33	4	5.401	38	5.439	72	5.55
5	5.595	39	5.485	73	5.602	5	5.505	39	5.521	73	5.426
6	5.598	40	5.424	74	5.65	6	5.447	40	5.617	74	5.338
7	5.527	41	5.542	75	5.29	7	5.329	41	5.691	75	5.267
8	5.585	42	5.491	76	5.582	8	5.641	42	5.586	76	5.385
9	5.387	43	5.49	77	5.692	9	5.491	43	5.711	77	5.666
10	5.614	44	5.697	78	5.38	10	5.518	44	5.576	78	5.373
11	5.682	45	5.286	79	5.452	11	5.622	45	5.596	79	5.301
12	5.605	46	5.56	80	5.564	12	5.468	46	5.523	80	5.297
13	5.538	47	5.431	81	5.666	13	5.366	47	5.508	81	5.663
14	5.305	48	5.454	82	5.345	14	5.321	48	5.63	82	5.333
15	5.695	49	5.298	83	5.592	15	5.282	49	5.512	83	5.605
16	5.721	50	5.342	84	5.412	16	5.349	50	5.553	84	5.68
17	5.295	51	5.541	85	5.411	17	5.361	51	5.563	85	5.341
18	5.532	52	5.707	86	5.629	18	5.548	52	5.542	86	5.375
19	5.429	53	5.665	87	5.482	19	5.456	53	5.302	87	5.522
20	5.7	54	5.278	88	5.284	20	5.674	54	5.527	88	5.424
21	5.643	55	5.291	89	5.363	21	5.466	55	5.493	89	5.327
22	5.466	56	5.382	90	5.359	22	5.481	56	5.657	90	5.407
23	5.58	57	5.423	91	5.417	23	5.524	57	5.312	91	5.315
24	5.717	58	5.719	92	5.679	24	5.271	58	5.703	92	5.611
25	5.555	59	5.428	93	5.443	25	5.597	59	5.686	93	5.346
26	5.55	60	5.604	94	5.486	26	5.587	60	5.275	94	5.556
27	5.646	61	5.324	95	5.274	27	5.395	61	5.64	95	5.706
28	5.419	62	5.341	96	5.698	28	5.601	62	5.472	96	5.59
29	5.464	63	5.696	97	5.362	29	5.284	63	5.613	97	5.308
30	5.322	64	5.656	98	5.586	30	5.283	64	5.383	98	5.43
31	5.506	65	5.537	99	5.306	31	5.254	65	5.503	99	5.427
32	5.288	66	5.343	100	5.355	32	5.5	66	5.658	100	5.296
33	5.623	67	5.68			33	5.451	67	5.536		
34	5.524	68	5.503			34	5.71	68	5.317		

FCC0696-T6-TRIAL-27						FCC0696-T6-TRIAL-28					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.571	35	5.635	69	5.422	1	5.573	35	5.298	69	5.272
2	5.687	36	5.597	70	5.527	2	5.328	36	5.547	70	5.319
3	5.259	37	5.331	71	5.675	3	5.642	37	5.497	71	5.532
4	5.481	38	5.655	72	5.643	4	5.269	38	5.401	72	5.518
5	5.662	39	5.392	73	5.631	5	5.297	39	5.362	73	5.4
6	5.56	40	5.504	74	5.667	6	5.568	40	5.312	74	5.253
7	5.344	41	5.483	75	5.36	7	5.308	41	5.397	75	5.7
8	5.396	42	5.462	76	5.678	8	5.554	42	5.606	76	5.44
9	5.563	43	5.255	77	5.45	9	5.274	43	5.355	77	5.465
10	5.306	44	5.272	78	5.333	10	5.452	44	5.394	78	5.566
11	5.613	45	5.493	79	5.425	11	5.575	45	5.389	79	5.458
12	5.41	46	5.57	80	5.253	12	5.641	46	5.296	80	5.411
13	5.663	47	5.363	81	5.347	13	5.475	47	5.484	81	5.29
14	5.669	48	5.541	82	5.72	14	5.367	48	5.363	82	5.493
15	5.437	49	5.703	83	5.639	15	5.56	49	5.32	83	5.483
16	5.593	50	5.274	84	5.641	16	5.285	50	5.279	84	5.682
17	5.261	51	5.551	85	5.391	17	5.663	51	5.501	85	5.599
18	5.288	52	5.614	86	5.314	18	5.384	52	5.503	86	5.313
19	5.668	53	5.356	87	5.489	19	5.692	53	5.509	87	5.454
20	5.681	54	5.704	88	5.346	20	5.569	54	5.51	88	5.31
21	5.717	55	5.435	89	5.618	21	5.704	55	5.469	89	5.348
22	5.718	56	5.636	90	5.507	22	5.39	56	5.577	90	5.358
23	5.279	57	5.352	91	5.29	23	5.507	57	5.36	91	5.626
24	5.389	58	5.318	92	5.621	24	5.322	58	5.314	92	5.581
25	5.387	59	5.327	93	5.348	25	5.433	59	5.468	93	5.255
26	5.32	60	5.418	94	5.552	26	5.505	60	5.429	94	5.603
27	5.403	61	5.451	95	5.452	27	5.353	61	5.419	95	5.334
28	5.515	62	5.337	96	5.714	28	5.563	62	5.611	96	5.488
29	5.612	63	5.305	97	5.52	29	5.376	63	5.449	97	5.5
30	5.446	64	5.548	98	5.408	30	5.535	64	5.329	98	5.346
31	5.608	65	5.304	99	5.26	31	5.453	65	5.519	99	5.62
32	5.654	66	5.342	100	5.666	32	5.605	66	5.315	100	5.653
33	5.368	67	5.647			33	5.654	67	5.687		
34	5.294	68	5.371			34	5.546	68	5.383		

FCC0696-T6-TRIAL-29						FCC0696-T6-TRIAL-30					
Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)	Hop #	Freq. (GHz)
1	5.513	35	5.435	69	5.312	1	5.668	35	5.688	69	5.318
2	5.253	36	5.649	70	5.285	2	5.544	36	5.538	70	5.464
3	5.48	37	5.685	71	5.314	3	5.406	37	5.441	71	5.364
4	5.252	38	5.603	72	5.38	4	5.585	38	5.457	72	5.282
5	5.624	39	5.355	73	5.671	5	5.306	39	5.703	73	5.625
6	5.701	40	5.277	74	5.719	6	5.321	40	5.431	74	5.572
7	5.658	41	5.45	75	5.518	7	5.439	41	5.612	75	5.71
8	5.395	42	5.597	76	5.365	8	5.621	42	5.635	76	5.339
9	5.426	43	5.342	77	5.337	9	5.709	43	5.419	77	5.564
10	5.536	44	5.321	78	5.67	10	5.476	44	5.528	78	5.455
11	5.565	45	5.477	79	5.409	11	5.276	45	5.294	79	5.288
12	5.499	46	5.698	80	5.641	12	5.547	46	5.551	80	5.301
13	5.601	47	5.606	81	5.444	13	5.265	47	5.418	81	5.633
14	5.659	48	5.466	82	5.707	14	5.426	48	5.314	82	5.52
15	5.346	49	5.662	83	5.65	15	5.344	49	5.272	83	5.422
16	5.349	50	5.399	84	5.386	16	5.328	50	5.299	84	5.521
17	5.53	51	5.317	85	5.26	17	5.504	51	5.386	85	5.334
18	5.584	52	5.608	86	5.631	18	5.414	52	5.669	86	5.416
19	5.473	53	5.593	87	5.517	19	5.629	53	5.483	87	5.632
20	5.692	54	5.622	88	5.335	20	5.264	54	5.569	88	5.304
21	5.447	55	5.452	89	5.47	21	5.682	55	5.592	89	5.524
22	5.493	56	5.594	90	5.501	22	5.54	56	5.346	90	5.681
23	5.484	57	5.625	91	5.356	23	5.509	57	5.697	91	5.29
24	5.299	58	5.438	92	5.421	24	5.293	58	5.421	92	5.337
25	5.559	59	5.503	93	5.571	25	5.453	59	5.609	93	5.4
26	5.259	60	5.552	94	5.515	26	5.429	60	5.613	94	5.345
27	5.387	61	5.316	95	5.339	27	5.574	61	5.269	95	5.7
28	5.278	62	5.305	96	5.663	28	5.308	62	5.374	96	5.325
29	5.57	63	5.359	97	5.491	29	5.371	63	5.278	97	5.597
30	5.514	64	5.286	98	5.583	30	5.576	64	5.409	98	5.319
31	5.283	65	5.475	99	5.651	31	5.291	65	5.359	99	5.252
32	5.531	66	5.479	100	5.609	32	5.519	66	5.481	100	5.316
33	5.258	67	5.334			33	5.548	67	5.685		
34	5.257	68	5.577			34	5.553	68	5.55		

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