

Maximum Permissible Exposure (MPE) Calculations

15.407: U-NII devices are subject to the radio frequency radiation exposure requirements specified in Sec. 1.1307(b), Sec. 2.1091 and Sec. 2.1093 of this chapter, as appropriate. All equipment shall be considered to operate in a ``general population/uncontrolled" environment. Applications for equipment authorization of devices operating under this section must contain a statement confirming compliance with these requirements for both fundamental emissions and unwanted emissions. Technical information showing the basis for this statement must be submitted to the Commission upon request.

Given

 $E=\sqrt{(30*P*G)}/d$ and $S=E^2/3770$

where

E=Field Strength in Volts/meter

P=Power in Watts

G=Numeric Antenna Gain

d=Distance in meters

S=Power Density in mW/cm^2

Combine equations and rearrange the terms to express the distance as a function of the remaining variables:

 $d=\sqrt{((30*P*G)/(3770*S))}$

Changing to units of power in mW and distance in cm, using:

yields

 $d=100*\sqrt{((30*(P/1000)*G)/(3770*S))}$

 $d=0.282*\sqrt{(P*G/S)}$

where

d=Distance in cm

P=Power in mW

G=Numerica Antenna Gain

S=Power Density in mW/cm^2

Substituting the logarithmic form of power and gain using:

 $P(mW)=10^{(P(dBm)/10)}$ G(numeric)= $10^{(G(dBi)/10)}$

yields

d=0.282*10^((P+G)/20)/ \sqrt{S} Equation (1)

and

 $s=((0.282*10^{((P+G)/20))/d})^2$ Equation (2)

where

d=MPE distance in cm

P=Power in dBm

G=Antenna Gain in dBi

S=Power Density in mW/cm^2

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Equation (1) and the measured peak power are used to calculate the MPE distance. Note that for mobile or fixed location transmitters such as an access point, the minimum separation distance is 20 cm even if the calculations indicate that the MPE distance may be less.

S=1mW/cm² maximum. The highest supported antenna gain is 6 dBi (9dBi with beamforming). Using the peak power levels recorded in the test report along with Equation 1 above, the MPE distances are calculated as follows.

		Power	Peak Transmit	Antenna	MPE		
Frequency (MHz)	Bit Rate (Mbps)	Density (mW/cm^2)	Power (dBm)	Gain (dBi)	Distance (cm)	Limit (cm)	Margin (cm)
5180	54	1	14.4	6	2.95	20	17.05
5260	54	1	20.3	6	5.82	20	14.18
5320	54	1	20.3	6	5.82	20	14.18
5500	54	1	20.4	6	5.89	20	14.11
5600	54	1	20.6	6	6.03	20	13.97
5700	54	1	19.8	6	5.50	20	14.50
5745	54	1	20.1	9	8.04	20	11.96
5785	54	1	20.2	9	8.13	20	11.87
5825	54	1	20.4	9	8.32	20	11.68

MPE Calculations

To maintain compliance, installations will assure a separation distance of at least 20cm.

Using Equation 2, the MPE levels (s) at 20 cm are calculated as follows:

			Peak				
		MPE	Transmit	Antenna	Power		
Frequency	Bit Rate	Distance	Power	Gain	Density	Limit	Margin
(MHz)	(Mbps)	(cm)	(dBm)	(dBi)	(mW/cm^2)	(mW/cm^2)	(mW/cm^2)
5180	54	20	14.4	6	0.02	1	0.98
5260	54	20	20.3	6	0.08	1	0.92
5320	54	20	20.3	6	0.08	1	0.92
5500	54	20	20.4	6	0.09	1	0.91
5600	54	20	20.6	6	0.09	1	0.91
5700	54	20	19.8	6	0.08	1	0.92
5745	54	20	20.1	9	0.16	1	0.84
5785	54	20	20.2	9	0.17	1	0.83
5825	54	20	20.4	9	0.17	1	0.83



Dynamic Frequency Selection (DFS) Test Results

15.407: U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

U-NII devices operating in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

1.0 UNII Device Description

- 1. The AIR-RM1252A-A-K9 operates in the following bands:
 - a. 5150-5250 MHz
 - b. 5250-5350 MHz
 - c. 5470-5725 MHz
 - d. 5725-5850 MHz
- 2. The maximum EIRP of the 5GHz equipment is 26 dBm, and the minimum possible EIRP is -1 dBm.

Below are the available 50 ohm antenna assemblies and their corresponding gains. 0dBi gain was used to set the -63 dBm threshold level (-64dBm +1 dB) during calibration of the test setup.

AIR-ANT5135DG-R (5 GHz, 3.5 dBi Omnidirectional) AIR-ANT5135D-R (5 GHz, 3.5 dBi Omnidirectional) AIR-ANT5140V-R (5 GHz, 4 dBi Omnidirectional (3)) AIR-ANT5145V-R (5 GHz, 4.5 dBi Diversity Omnidirectional)

AIR-ANT5160V-R (5 GHz, 6.0dBi Diversity Omnidirectional)

Antenna gain measurement plots are included with this filing.

- 3. System testing was performed with the designated MPEG test file that streams full motion video at 30 frames per second from the Master to the Client IP based system.
- 4. This device does not exceed 27dBm eirp, so no transmit power control is implemented.
- 5. The Master requires 1.44 minutes to complete its power-on cycle.
- 6. Information regarding the parameters of the detected Radar Waveforms is not available to the end user.
- 7. For the 5250-5350 MHz and 5470-5725 MHz bands, the Master device provides, on aggregate, uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.

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2.0 DFS Detection Thresholds

1. Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (see note)
≥ 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.

2. 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 99%				
	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 transmission.

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 *Channel* changes (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%. Measurements are performed with no data traffic.

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3.0 Radar Test Waveforms

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

1. Short Pulse Radar Test Waveforms

Rada	Pulse Width	PRI	Number	Minimum	Minimum
r	(µsec)	(µsec)	of Pulses	Percentage of	Trials
Type				Successful	
				Detection	
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
Aggreg	ate (Radar Types 1	80%	120		

A minimum of 30 unique waveforms are required for each of the short pulse radar types 2 through 4. For short pulse radar type 1, the same waveform is used a minimum of 30 times. If more than 30 waveforms are used for short pulse radar types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

2. Long Pulse Radar Test Waveform

Radar	Pulse	Chirp	PRI	Number of	Number of	Minimum	Minimum
Type	Width	Width	(µsec)	Pulses per	Bursts	Percentage of	Trials
	(µsec)	(MHz)		Burst		Successful	
						Detection	
5	50-100	5-20	1000-20	1-3	8-20	80%	30
			00				

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

Each waveform is defined as follows:

- 1) The transmission period for the Long Pulse Radar test signal is 12 seconds.
- 2) There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst_Count.
- 3) Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.

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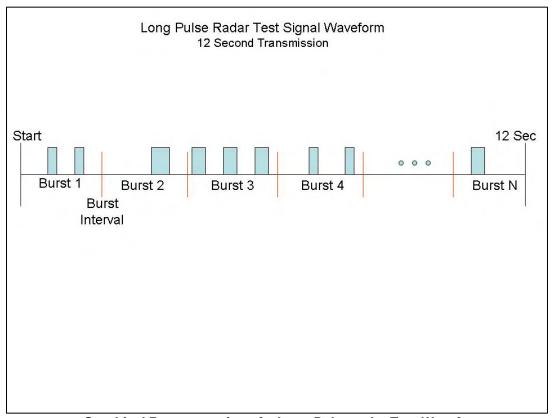
- 4) The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
- 5) Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Pulses in different Bursts may have different chirp widths. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
- 6) If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
- 7) The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst_Count. Each interval is of length (12,000,000 / Burst_Count) microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and [(12,000,000 / Burst_Count) (Total Burst Length) + (One Random PRI Interval)] microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

A representative example of a Long Pulse radar test waveform:

- 1) The total test signal length is 12 seconds.
- 2) 8 Bursts are randomly generated for the Burst_Count.
- 3) Burst 1 has 2 randomly generated pulses.
- 4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.
- 5) The PRI is randomly selected to be at 1213 microseconds.
- 6) Bursts 2 through 8 are generated using steps 3-5.
- 7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 3,000,000 microsecond range).

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Graphical Representation of a Long Pulse radar Test Waveform

3. Frequency Hopping Radar Test Waveform

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

For the Frequency Hopping Radar Type, the same *Burst* parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected¹ from the hopping sequence defined by the following algorithm:

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

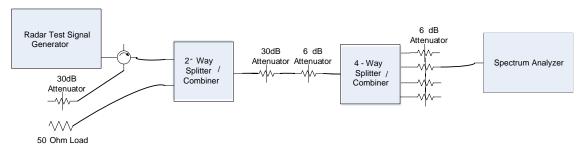
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4.0 Radar Waveform Calibration

1. The following equipment setup was used to calibrate the conducted Radar Waveform. A spectrum analyzer was used to establish the test signal level for each radar type. During this process there were no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) mode at the frequency of the Radar Waveform generator. Peak detection was utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz.

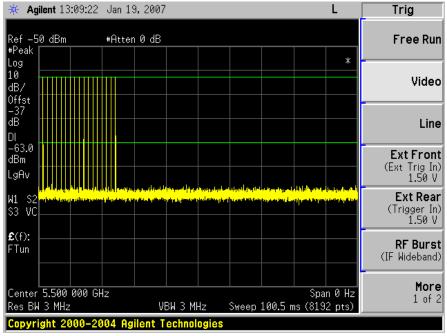
The signal generator amplitude was set so that the power level measured at the spectrum analyzer was -63dBm.



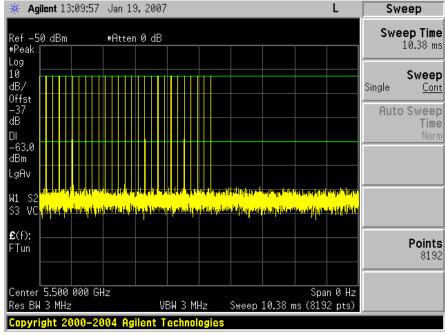
Conducted Calibration Setup



2. Following are the calibration plots for each of the required radar waveforms.

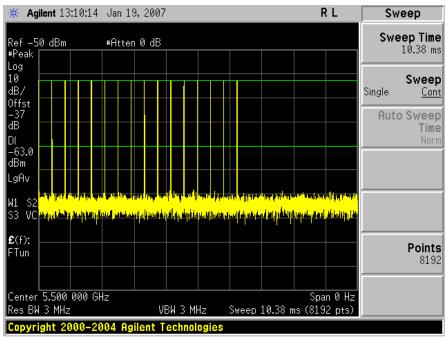


Bin 1 Radar Calibration

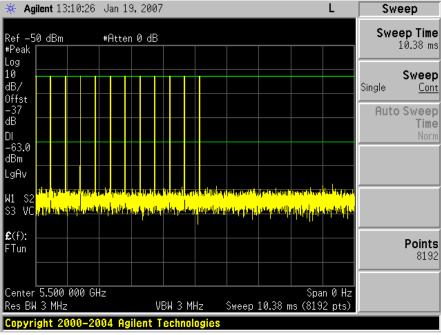


Bin 2 Radar Calibration



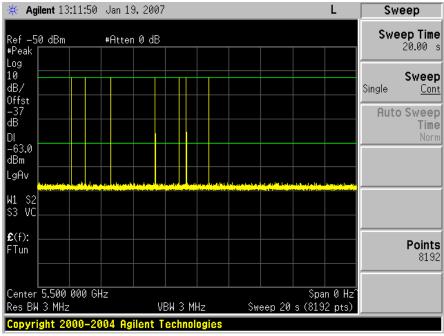


Bin 3 Radar Calibration

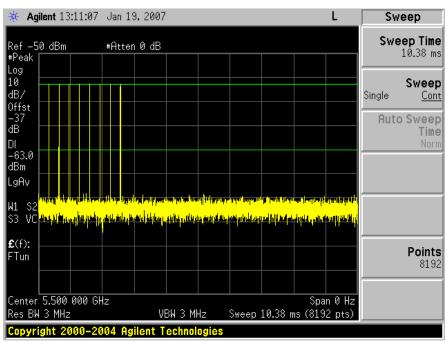


Bin 4 Radar Calibration





Bin 5 Radar Calibration

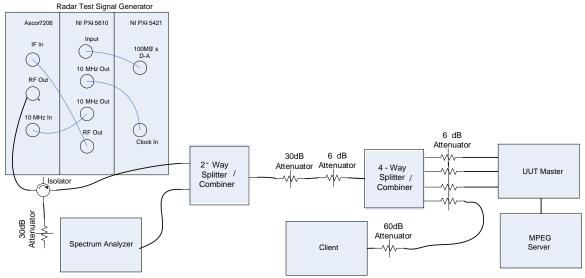


Bin 6 Radar Calibration

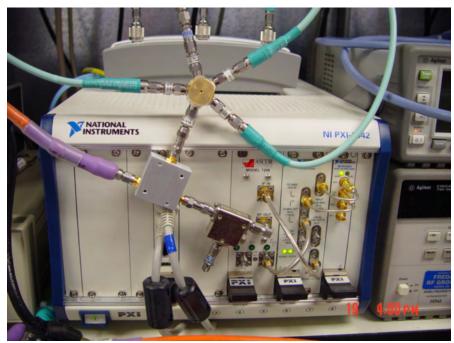


5.0 Test Procedure/Results

- A spectrum analyzer is used as a monitor to verify that the UUT has vacated the Channel within the (Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move. It is also used to monitor UUT transmissions during the Channel Availability Check Time.
- 2. Following is the test setup used to generate the Radar Waveforms, and for all DFS tests described herein.

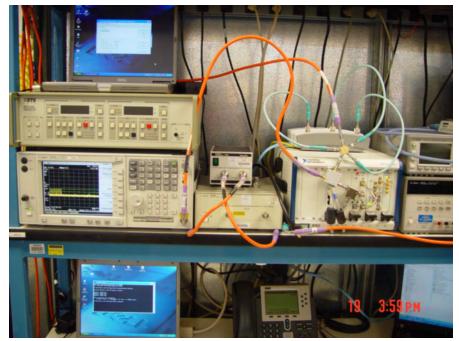


Conducted Setup: Radar Test Waveforms are injected into the Master

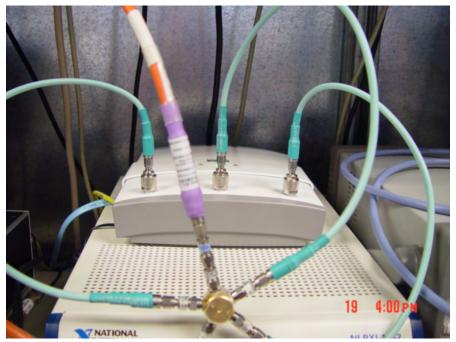


Radar Test Signal Generator

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DFS Test Setup



DFS Setup: UUT



The test setup is constructed of the following equipment:

Radar Test Signal Generator

National Instruments NI PXI-1042 8-Slot 3U Chassis

National Instruments NI PXI-5421 16-Bit 100MS/s Arbitrary Waveform Generator

National Instruments NI PXI-5610 2.7GHz RF Upconverter

Ascor 7206 PXI 4.9 to 6GHz Upconverter

Agilent E4448A Spectrum Analyzer

Mini-Circuits ZFSC-2-9G Splitter/Combiner (Qty. 1)

Weinschel 1594 4 to 1 power Splitter/Combiner (Qty. 1)

Ditom Microwave D3C-4080-11 Circulator/Isolator (Qty. 1)

Mini-Circuits BW-S30W2 30dB Attenuator (Qty. 4)

Mini-Circuits BW-S6W2 30dB Attenuator (Qty. 5)

Megaphase SF26 S1S1 36" Coaxial Cable (Qty. 2)

MicroCaox 18" Coaxial Cable (Qty. 3)

Dell 600M Laptop (Qty. 2: 1 for wireless client, 1 for MPEG server)

Cisco AIR-CB21AG 802.11a/b/g NIC card (wireless client)

The waveform parameters from within the bounds of the signal type are selected randomly using uniform distribution.

3. **UNII Detection Bandwidth**: All UNII 20 MHz channels for this device have identical Channel bandwidths. All UNII 40 MHz channels for this device also have identical Channel bandwidths. Therefore, all DFS testing was done at 5500 MHz. The 99% channel bandwidth for 20MHz signals is 16.6 MHz, and the 99% channel bandwidth for 40MHz signals is 36.6 MHz. (See the 26dB BW section of the RF report for further measurement details).

The generating equipment is configured as shown in the Conducted Test Setup above. A single *Burst* of the short pulse radar type 1 is produced at 5500MHz at a -63dBm level. The UUT is set up as a standalone device (no associated Client and no traffic).

A single radar Burst is generated for a minimum of 10 trials, and the response of the UUT is noted. The UUT must detect the Radar Waveform 90% or more of the time.

The radar frequency is increased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The highest frequency at which detection is greater than or equal to 90% is denoted as Fh.

The radar frequency is decreased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as FI.

The U-NII Detection Bandwidth is calculated as follows:

U-NII Detection Bandwidth = $F_H - F_L$

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The U-NII Detection Bandwidth must be at least 80% of the UUT transmitter 99% power, otherwise, the UUT does not comply with DFS requirements.

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UNII Detection Bandwidth Results

	FU									
		TF	req	uen	су=	550	OM	Hz		
DFS Detection Trials (1=Detection, Blank= No Detection)										Blank= No Detection)
1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
1	1	1	1	1	1	1	1	1		90%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1	1	100%
1	1	1	1	1	1	1	1	1		90%
			E E A	ON 4	l I	E 40	O N //!		2014	<u> </u>
		rl =	35 1	UIVI	ΠZ-:	549	UIVII	1Z =	ZUIVIF	12
ΠZ	<u> </u>									
		2	1 2 3 1	1 2 3 4 1	1 2 3 4 5 1	1 2 3 4 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 1	I 2 3 4 5 6 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 4 5 6 7 8 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

10.111.01.111											
40 MHz Signal Bandwidth											
EUT Frequency=5510MHz											
	DFS Detection Trials (1=Detection, Blank= No Detection)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5490	1	1	1	1	1	1	1	1			80%
5491 FI	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%

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5496	1	1	1	1	1	1	1	1	1	1	100%
5497	1				1	1	_	1		1	100%
	1	1	1	1			1	1	1	1	
5498		1	1	1	1	1	1	1	1	1	100%
5499	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5501	1	1	1	1	1	1	1	1	1	1	100%
5502	1	1	1	1	1	1	1	1	1	1	100%
5503	1	1	1	1	1	1	1	1	1	1	100%
5504	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5511	1	1	1	1	1	1	1	1	1	1	100%
5512	1	1	1	1	1	1	1	1	1	1	100%
5513	1	1	1	1	1	1	1	1	1	1	100%
5514	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5516	1	1	1	1	1	1	1	1	1	1	100%
5517	1	1	1	1	1	1	1	1	1	1	100%
5518	1	1	1	1	1	1	1	1	1	1	100%
5519	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5521	1	1	1	1	1	1	1	1	1	1	100%
5522	1	1	1	1	1	1	1	1	1	1	100%
5523	1	1	1	1	1	1	1	1	1	1	100%
5524	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	1	1	1	1	1	1	1	1	1	1	100%
5529 Fh	1	1	1	1	1	1	1	1	1	1	100%
5530	1	1	1	1							40%
40 MHz Detection Bandwidt	40 MHz Detection Bandwidth = Fh-FI = 5529MHz-5491MHz = 38MHz										
EUT 99% Bandwidth = 36.6MHz											
36.6MHz*80% = 29.3MHz											

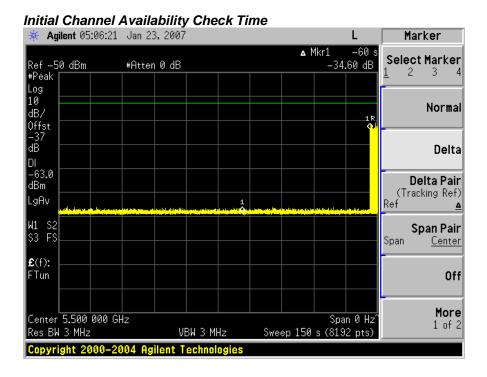


4. The Initial Channel Availability Check Time tests that the UUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.

The U-NII device is powered on and instructed to operate at 5500 MHz. At the same time the UUT is powered on, the spectrum analyzer is set to zero span mode with a 3 MHz resolution bandwidth at 5500MHz with a 2.5 minute sweep time. The analyzer's sweep will be started the same time power is applied to the U-NII device.

The UUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

The initial power up time of the UUT is indicated by marker 1 in the plot. Initial beacons/data transmissions are indicated by marker 1R.





5. Radar Burst at the Beginning of the Channel Availability Check Time: The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB (-63dBm) occurs at the beginning of the Channel Availability Check Time.

The UUT is powered on at T_0 . T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T_1 and will end no sooner than T_1 + 60 seconds.

A single Burst of short pulse of radar type 1 at -63 dBm will commence within a 6 second window starting at T₁.

Visual indication on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5500MHz will continue for 2.5 minutes after the radar Burst has been generated.

Verify that during the 2.5 minute measurement window no UUT transmissions occurred at 5500MHz.

Agilent 05:21:01 Jan 23, 2007 Peak Search Mkr1 88.58 s Ref -50 dBm #Atten 0 dB -62.79 dBm **Next Peak** #Peak Log 10 Next Pk Right dB/ 0ffst Next Pk Left -63.0 dBm Min Search .gAv Pk-Pk Search **£**(f): FTun Mkr → CF More Center **5.500 000 GHz** Span 0 Hz 1 of 2 Res BW 3 MHz VBW 3 MHz Sweep 240 s (8192 pts)

Radar Burst at the Beginning of the Channel Availability Check Time

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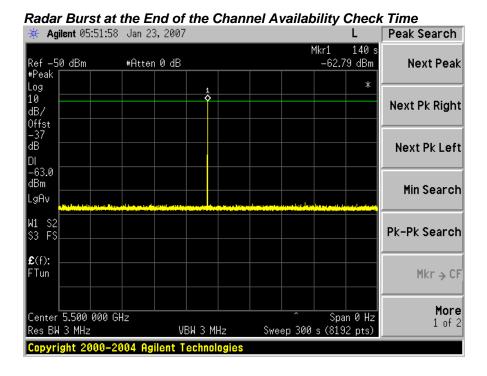
6. Radar Burst at the End of the Channel Availability Check Time: The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB (-63dBm) occurs at the end of the Channel Availability Check Time.

The UUT is powered on at T_0 . T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T_1 and will end no sooner than T_1 + 60 seconds.

A single Burst of short pulse of radar type 1 at -63 dBm will commence within a 6 second window starting at T_1 + 54 seconds.

Visual indication on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5500MHz will continue for 2.5 minutes after the radar Burst has been generated.

Verify that during the 2.5 minute measurement window no UUT transmissions occurred at 5500MHz.





6. In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

These tests define how the following DFS parameters are verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time, and Non-Occupancy Period.

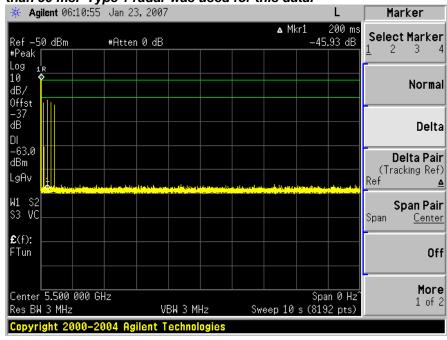
The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB (-63dBm) is generated on the Operating Channel of the U-NII device.

A U-NII device operating as a Client Device will associate with the UUT (Master) at 5500 MHz. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test.

At time T₀ the Radar Waveform generator sends a Burst of pulses for each of the radar types at -63dBm.

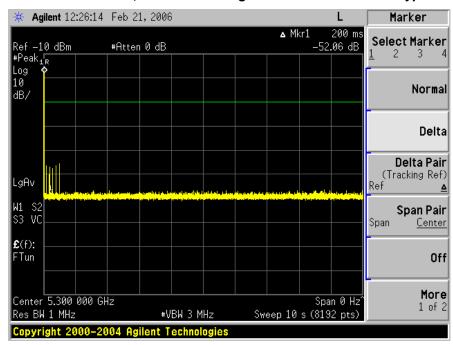
Observe the transmissions of the UUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing Transmission Time results to the limits defined in the *DFS Response requirement values table*.

The following plot demonstrates a channel close time of 50ms, with an aggregate of no more than 50 ms. Type 1 radar was used for this data.

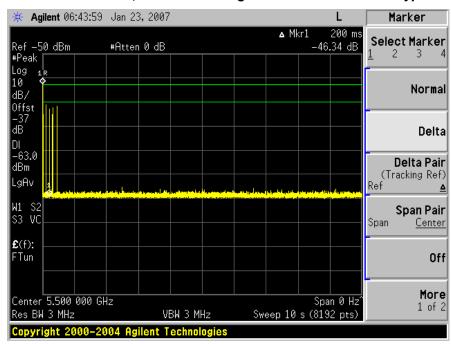




Channel Move Time, Channel Closing Transmission Time for Type 1 radar.

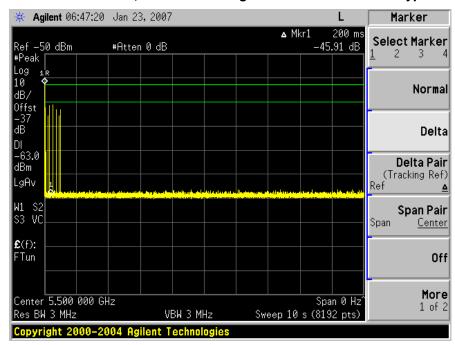


Channel Move Time, Channel Closing Transmission Time for Type 2 radar.

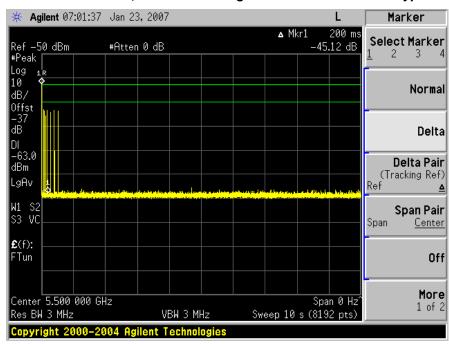




Channel Move Time, Channel Closing Transmission Time for Type 3 radar.

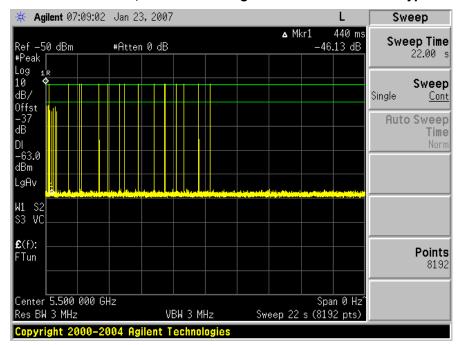


Channel Move Time, Channel Closing Transmission Time for Type 4 radar.

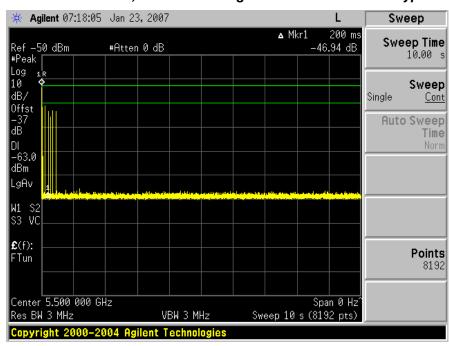




Channel Move Time, Channel Closing Transmission Time for Type 5 radar.



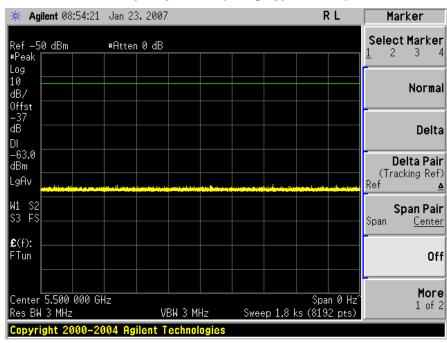
Channel Move Time, Channel Closing Transmission Time for Type 6 radar.





Measure the UUT for more than 30 minutes following the channel close/move time to verify that the UUT does not resume any transmissions on this Channel.

30 Minute Non-Occupancy Period (using Type 1 radar)





7. Statistical Performance Check

The steps below define the procedure to determine the minimum percentage of detection when a radar burst with a level equal to the DFS Detection Threshold + 1dB (-63dBm) is generated on the Operating Channel of the U-NII device.

A U-NII device operating as a Client Device will associate with the UUT (Master) at 5500 MHz. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test.

The Radar Waveform generator sends the individual waveform for each of the radar types 1-6 at -63dbm. Statistical data will be gathered to determine the ability of the device to detect the radar test waveforms. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. The percentage of successful detection is calculated by:

$$\frac{TotalWaveformDetections}{TotalWaveformTrials} \times 100 = \text{Probability of Detection Radar Waveform}$$

The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in the *Radar Test Waveforms* section.



Type 1 Radar Statistical Performance

	Pulse		usucai Perioriii	1=Detection
Trial	Width	PRI		Blank=No
#	(us)	(us)	Pulses/Burst	Detection
1	1	1428	18	1
2	1	1428	18	1
3	1	1428	18	1
4	1	1428	18	1
5	1	1428	18	1
6	1	1428	18	1
7	1	1428	18	1
8	1	1428	18	1
9	1	1428	18	1
10	1	1428	18	1
11	1	1428	18	
12	1	1428	18	1
13	1	1428	18	1
14	1	1428	18	1
15	1	1428	18	
16	1	1428	18	
17	1	1428	18	1
18	1	1428	18	1
19	1	1428	18	1
20	1	1428	18	1
21	1	1428	18	1
22	1	1428	18	1
23	1	1428	18	
24	1	1428	18	1
25	1	1428	18	1
26	1	1428	18	1
27	1	1428	18	1
28	1	1428	18	1
29	1	1428	18	1
30	1	1428	18	1
	•	Detecti	87% (>60%)	

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Type 2 Radar Statistical Performance

	Type z Radar St 			
Tuial		Pulse	DDI	1=Detection
Trial #	Pulses/Burst	Width (us)	PRI (us)	Blank=No Detection
1	27	3.2	1	1
2	24	4.9	182 192	1
3	23	4.9	169	1
4	27	2.5		1
5			201	1
6	27	2.3	217	
	28	1.5	215	1
7	28	2.5	171	1
8	29	3.0	173	1
9	28	3.3	177	1
10	27	3.0	179	
11	28	4.9	168	1
12	26	2.9	190	1
13	26	2.3	178	1
14	24	3.0	166	1
15	26	3.7	166	1
16	29	3.1	178	1
17	24	3.7	230	1
18	29	3.8	230	1
19	28 2.7 194		194	1
20	28	4.4	214	1
21	24	3.2	218	1
22	26	1.7	161	1
23	28	2.7	158	1
24	28	1.4	162	1
25	26	1.9	197	1
26	27	1.6	177	1
27	25	1.2	171	1
28	29	1.6	223	1
29	23	3.4	177	1
30	29	2.4	192	
	Detecti	ntage	93% (>60%)	



Type 3 Radar Statistical Performance

	Type 3 Radar Statistical Performance							
		Pulse		1=Detection				
Trial	Dulas a /Dunat	Width	PRI	Blank=No				
#	Pulses/Burst	(us)	(us)	Detection				
1	16	9.1	203	1				
2	18	9.4	316					
3	17	9.4	438	1				
4	17	9.7	390	1				
5	17	7.7	292	1				
6	16	6.9	293	1				
7	16	8.3	282	1				
8	16	6.6	312	1				
9	18	9.4	316	1				
10	18	7.6	244	1				
11	17	6.2	322	1				
12	16	7.3	362	1				
13	18	7.4	277	1				
14	18	7.0	395	1				
15	18	8.7	202	1				
16	16	7.8	421	1				
17	17	7.4	263	1				
18	18	8.7	336	1				
19	16	9.3	403					
20	17	6.7	398	1				
21	16	9.7	420	1				
22	18	8.6	297	1				
23	18	8.6	423	1				
24	17	7.5	317					
25	16	7.3	337	1				
26	16	7.0	233	1				
27	18	7.3	256					
28	17	9.2	498	1				
29	17	9.3	312	1				
30	16	6.6	303	1				
Detection Percentage 87% (>60%)								

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Type 4 Radar Statistical Performance

Type 4 Radar Statistical Performance							
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	1=Detection Blank=No Detection			
1	12	11.1	385	1			
2	16	17.3	219	1			
3	16	11.7	370	1			
4	16	16.5	372	1			
5	14	13.3	299	1			
6	12	12.0	351	1			
7	15	14.2	236	1			
8	12	12.3	321	1			
9	16	19.4	406	1			
10	16	19.9	434				
11	13	14.2	478	1			
12	12	13.7	445	1			
13	13	19.5	359	1			
14	12	11.2	212				
15	15	11.8	379	1			
16	14	11.3	458	1			
17	14	11.1	478	1			
18	13	16.5	490	1			
19	16	16.7	212	1			
20	15	18.5	492				
21	14	16.7	358	1			
22	14	12.8	483	1			
23	12	15.7	496	1			
24	15	17.2	485	1			
25	12	12.9	365	1			
26	15	18.0	263	1			
27	16	16.2	457	1			
28	15	12.2	497	1			
29	12	14.1	434				
30	16	19.9	255	1			
Detection Percentage 87% (>60%)							

In addition an average minimum percentage of successful detection across all four Short pulse radar test waveforms is required and is calculated as follows:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (87\% + 93\% + 87\% + 87\%)/4 = 88.5\% (>80\%)$$

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Type 5 Radar Statistical Performance

*See the Bin5 Radar Characteristics at the end of this report.

Trial #	Filename	1=Detection Blank=No Detection
1	Bin5StatistiConducted Spurious Emissions, 1	1
2	Bin5StatistiConducted Spurious Emissions, 1	1
3	Bin5StatistiConducted Spurious Emissions, 3	1
4	Bin5StatistiConducted Spurious Emissions, 4	1
5	Bin5StatistiConducted Spurious Emissions, 5	1
6	Bin5StatistiConducted Spurious Emissions, 6	1
7	Bin5StatistiConducted Spurious Emissions, 7	1
8	Bin5StatistiConducted Spurious Emissions, 8	1
9	Bin5StatistiConducted Spurious Emissions, 9	1
10	Bin5StatistiConducted Spurious Emissions, 10	1
11	Bin5StatistiConducted Spurious Emissions, 11	1
12	Bin5StatistiConducted Spurious Emissions, 12	1
13	Bin5StatistiConducted Spurious Emissions, 13	1
14	Bin5StatistiConducted Spurious Emissions, 14	1
15	Bin5StatistiConducted Spurious Emissions, 15	1
16	Bin5StatistiConducted Spurious Emissions, 16	1
17	Bin5StatistiConducted Spurious Emissions, 17	1
18	Bin5StatistiConducted Spurious Emissions, 18	1
19	Bin5StatistiConducted Spurious Emissions, 19	1
20	Bin5StatistiConducted Spurious Emissions, 20	1
21	Bin5StatistiConducted Spurious Emissions, 21	1
22	Bin5StatistiConducted Spurious Emissions, 22	1
23	Bin5StatistiConducted Spurious Emissions, 23	1
24	Bin5StatistiConducted Spurious Emissions, 24	1
25	Bin5StatistiConducted Spurious Emissions, 25	1
26	Bin5StatistiConducted Spurious Emissions, 26	1
27	Bin5StatistiConducted Spurious Emissions, 27	1
28	Bin5StatistiConducted Spurious Emissions, 28	1
29	Bin5StatistiConducted Spurious Emissions, 29	1
30	Bin5StatistiConducted Spurious Emissions, 30	1
	Detection Percentage	100% (>80%)

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Type 6 Radar Statistical Performance

*See the Bin6 Radar Characteristics at the end of this report.

Trial		1=Detection Blank=No
#	Filename	Detection
1	Bin6StatistiConducted Spurious Emissions, 1	1
2	Bin6StatistiConducted Spurious Emissions, 2	1
3	Bin6StatistiConducted Spurious Emissions, 3	1
4	Bin6StatistiConducted Spurious Emissions, 4	1
5	Bin6StatistiConducted Spurious Emissions, 5	1
6	Bin6StatistiConducted Spurious Emissions, 6	1
7	Bin6StatistiConducted Spurious Emissions, 7	1
8	Bin6StatistiConducted Spurious Emissions, 8	1
9	Bin6StatistiConducted Spurious Emissions, 9	1
10	Bin6StatistiConducted Spurious Emissions, 10	1
11	Bin6StatistiConducted Spurious Emissions, 11	1
12	Bin6StatistiConducted Spurious Emissions, 12	1
13	Bin6StatistiConducted Spurious Emissions, 13	1
14	Bin6StatistiConducted Spurious Emissions, 14	1
15	Bin6StatistiConducted Spurious Emissions, 15	1
16	Bin6StatistiConducted Spurious Emissions, 16	1
17	Bin6StatistiConducted Spurious Emissions, 17	1
18	Bin6StatistiConducted Spurious Emissions, 18	1
19	Bin6StatistiConducted Spurious Emissions, 19	1
20	Bin6StatistiConducted Spurious Emissions, 20	1
21	Bin6StatistiConducted Spurious Emissions, 21	1
22	Bin6StatistiConducted Spurious Emissions, 22	1
23	Bin6StatistiConducted Spurious Emissions, 23	1
24	Bin6StatistiConducted Spurious Emissions, 24	1
25	Bin6StatistiConducted Spurious Emissions, 25	1
26	Bin6StatistiConducted Spurious Emissions, 26	1
27	Bin6StatistiConducted Spurious Emissions, 27	1
28	Bin6StatistiConducted Spurious Emissions, 28	1
29	Bin6StatistiConducted Spurious Emissions, 29	1
30	Bin6StatistiConducted Spurious Emissions, 30	1
	Detection Percentage	100%

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			Bin59	StatistiConducted Spurious Emissions	. 1.txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	2	13	80	1526	0.560217
2	1	15	50	NA	0.953744
3	2	14	55	1125	1.735364
4	3	6	70	1628,1284	2.169408
5	2	11	85	1688	2.875505
6	1	15	55	NA	3.605622
7	3	6	90	1166,1633	4.091200
8	2	6	65	1266	4.895836
9	1	20	65	NA	5.361546
10	3	16	75	1681,1455	5.894187
11	1	17	60	NA	6.498116
12	1	8	75	NA	7.267939
13	1	9	75	NA	7.643700
14	3	9	100	1785,1005	8.832884
15	2	13	95	1341	9.057083
16	3	7	70	1895,1986	10.011506
17	2	9	100	1344	10.640842
18	3	7	75	1259,1930	11.211950
19	2	14	65	1279	11.934478
			Bin5S	StatistiConducted Spurious Emissions	, 2.txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	1	- 8	55	NA	0.714840
2	1	11	60	NA	1.260443
3	2	19	95	1197	2.464833
4	3	16	95	1274,1271	3.352196
5	2	11	60	1189	4.386793
6	2	20	100	1372	5.354048
7	3	19	65	1127,1632	5.665524
8	2	15	65	1139	6.773930
9	2	11	100	1134	8.159611
10	1	7	100	NA	8.557186
11	1	12	100	NA	9.801278
12	3	12	75	1553,1637	10.626580
13	1	14	60	NA	11.468533
				atistiConducted Spurious Emissions,	
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	3	9	95	1774,1861	
2	3	7	50	1097,1675	1.268554
3	1	11	90	NA	3.220163
4	3	19	70	1321,1236	3.459299
5	1	12	55	NA	4.369143
6	2	15	50	1772	6.475775
7	1	14	95	NA	7.415298
8	1	6	50	NA	8.187541
9	2	9	60	1774	9.733912
10	3	9	85	1562,1903	10.043844
11	2	17	100	1164	11.499290

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			DinEC	tatiatiCanduated Spurious Emissions	1 tvt
Burst#	Pulses	Chirp(MHz)	PW(uS)	<pre>tatistiConducted Spurious Emissions, Inter-pulse spacing/s(uS)</pre>	Pulse Start(S)
burse#	3	15	85	1402,1277	0.173027
2	2	13	70	1159	1.365341
3	2	7	60	1194	1.918282
4	3	15	100	1300,1913	2.786892
5	1	11	70	NA	3.181060
6	1	6	80	NA	4.044459
7	3	16	95	1912,1896	4.631559
8	3	7	60	1297,1762	5.055307
9	2	8	85	1205	6.338871
10	1	15	95	NA	6.926445
11	1	18	60	NA	7.180331
12	1	20	95	NA	7.922777
13	1	6	95	NA	8.918576
14	2	5	55	1979	9.205396
15	2	13	80	1811	10.113533
16	2	5	85	1266	10.861224
17	3	12	80	1382,1630	11.956113
				tatistiConducted Spurious Emissions,	
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	<pre>Pulse Start(S)</pre>
1	3	15	65	1427,1592	0.614753
2	3	8	55	1886,1303	1.566678
3	2	18	95	1349	2.516713
4	2	12	75	1569	2.660388
5	2	11	100	1442	3.531121
6 7	2 2	7	95 65	1306	4.952481
8	2	15 5	65 100	1401 1181	5.534210 6.702358
9	3	6	75	1991,1770	7.020351
10	1	12	60	NA	8.060096
11	2	6	65	1988	8.917513
12	1	15	60	NA	9.710094
13	2	8	80	1318	10.513300
14	2	8	70	1189	11.212685
				StatistiConducted Spurious Emissions	
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	1	8	60	NA	0.225216
2	1	15	55	NA	0.871990
3	3	12	50	1191,1074	1.830064
4	1	12	95	NA	2.473085
5 6	3	10	55	1600,1792	2.700804
	2	7	100	1519	3.303128
7	1	15	60	NA	3.984527
8	2	15	80	1819	4.904388
9	3	5	60	1802,1415	5.437462
10	1	20	75	NA 1405	5.960085
11	2	17	75	1495	6.594229
12	2	11	65	1179	7.120730
13	3 2	14	60 60	1545,1349	7.865940
14 15	1	8 6	60 60	1119 NA	8.503451 9.014856
16	1	18	75	NA NA	9.648008
17	2	5	100	1412	10.164553
18	3	5	100	1921,1291	10.959446
10	J	3			10.737110
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19	2	19	70	1843	11.408333		
Bin5StatistiConducted Spurious Emissions, 7.txt							
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)		
1	1	8	65	NA	0.132099		
2	2	9	50	1101	0.872877		
3	3	17	85	1813,1466	1.579421		
4	1	20	85	NA	2.387520		
5	2	7	70	1767	2.774479		
6	1	10	65	NA	3.698633		
7	2	7	95	1191	4.393195		
8	1	8	95	NA	5.180680		
9	1	7	90	NA	5.882481		
10	2	20	90	1633	6.365193		
11	2	19	90	1654	7.083376		
12	2	6	55	1413	7.604303		
13	1	11	100	NA	8.178167		
14	1	11	50	NA	8.677061		
15	1	8	85	NA	9.341013		
16	2	10	70	1426	10.326174		
17	2	14	85	1726	10.904667		
18	1	12	55	NA	11.387776		
10	_			stiConducted Spurious Emissions, 8.t			
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)		
	ruises	14	75	1540,1937	0.582275		
1 2	1	9	55	1540,1937 NA	1.137515		
3	2	20	80	1846	1.582968		
4	3	5	75	1255,1569	1.885850		
5	2	5	50	1752	2.674544		
6	1	12	100	NA	3.252808		
7	1	6	60	NA	4.140951		
8	2	6	90	1471	4.690600		
9	1	17	50	NA	5.279135		
10	3	20	60	1548,1058	5.566230		
11	3	14	55	1916,1594	6.478463		
12	1	7	55	NA	7.033762		
13	2	19	100	1017	7.324421		
14	1	6	70	NA	8.177663		
15	2	13	50	1480	8.718469		
16	2	6	55	1780	9.131123		
17	3	8	75	1703,1292	9.601000		
18	2	12	70	1802	10.598327		
19	2	7	90	1568	10.981009		
20	3	9	90	1275,1765	11.585895		
				stiConducted Spurious Emissions, 9.t			
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)		
burst#	ruises 3	14	75	1793,1520	0.822066		
2	3	5	80	1457,1212	1.403773		
3	3	17	55	1818,1127	2.042658		
4	1	12	70	NA	3.165749		
	3	17	85	1581,1181	4.264747		
5 6	3	15	100	1340,1912	5.391711		
7	2	16	50	1392	6.005467		
8	2	20	70	1981	7.082225		
9	3	5	55	1081,1471	8.514468		
10	1	18	75	NA	9.097194		
± 0	_	10			2.02/12/1		
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					4.54		
11	2	7	75	1004	10.108961		
12	3	11	95	1730,1017	11.757126		
12	3	11))	1730,1017	11.737120		
				stiConducted Spurious Emissions, 10			
Burst#	Pulses	Chirp(MHz)	PW(uS)	<pre>Inter-pulse spacing/s(uS)</pre>	<pre>Pulse Start(S)</pre>		
1	1	16	80	NA	1.077169		
2	1	16	65	NA	1.649315		
3	2	10	55	1136	3.585451		
4	3	17	65	1985,1900	3.790973		
5	3	9	65	1504,1319	4.998306		
6	3	8	50	1566,1369	6.169706		
7	1	11	65	NA	7.741842		
8	3	16	65	1559,1123	8.680934		
9	1	9	100	NA	9.791225		
10	2	13	60	1203	10.936134		
			Bin5Statis	stiConducted Spurious Emissions, 17	1.txt		
Burst#	Pulses	Chirp(MHz)	PW(uS)	<pre>Inter-pulse spacing/s(uS)</pre>	<pre>Pulse Start(S)</pre>		
1	1	12	70	NA	0.276209		
2	1	12	90	NA	0.857629		
3	1	9	65	NA	1.972257		
4	3	17	95	1243,1305	2.377855		
5	2	5	100	1829	2.884010		
6	3	19	100	1984,1688	3.719547		
7	3	20	85	1669,1013	4.596640		
8	2	17	100	1175	5.189525		
9	2	18	85	1626	6.253215		
10	1	19	80	NA	6.563515		
11	3	9	65	1673,1662	7.509498		
12	2	9	50	1678	8.215471		
13	2	7	75	1737	8.797598		
14	2	20	75	1757	9.203840		
15	1	10	80	NA	10.433617		
16	1	6	75	NA	10.821532		
17	2	6	70	1892	11.914572		
			Bin5Statis	stiConducted Spurious Emissions, 12	2.txt		
Burst#	Pulses	Chirp(MHz)	PW(uS)	<pre>Inter-pulse spacing/s(uS)</pre>	<pre>Pulse Start(S)</pre>		
1	2	5	50	1126	0.539743		
2	2	20	100	1845	1.167925		
3	1	15	70	NA	1.612192		
4	3	10	100	1767,1017	2.607807		
5 6	2	7	85	1246	2.983769		
	1	10	95	NA	3.660234		
7	1	19	80	NA	4.171231		
8	1	17	50	NA	5.301488		
9	1	7	80	NA	5.926970		
10	2	8	90	1108	6.254736		
11	3	17	100	1744,1905	7.212272		
12	1	16	50	NA	7.732777		
13	1	11	65	NA	8.317470		
14	3	18	65	1200,1301	8.992285		
15	2	9	90	1159	9.627510		
16	1	14	85	NA	10.337423		
17	2	6	50	1456	10.871174		
18	2	14	100	1900	11.987835		
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			Bin5Statis	tiConducted Spurious Emissions, 13	.txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	<pre>Pulse Start(S)</pre>
1	2	20	95	1652	0.906890
2	1	9	80	NA	2.680484
3	1	5	65	NA	4.320778
4	1	18	90	NA	5.202694
5	2	11	95	1651	6.822708
6	3	9	100	1597,1019	8.864861
7	3	12	90	1411,1646	9.710988
8	1	18	80	NA	11.266605
			Bin5Statis	stiConducted Spurious Emissions, 14	.txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	<pre>Pulse Start(S)</pre>
1	2	9	55	1302	1.139250
2	2	19	80	1541	2.266972
3	1	5	80	NA	4.179267
4	3 2	12	50	1799,1043	4.818273
5		18	60	1856	6.364186
6	2	6	60	1897	7.975767
7	2	12	85	1594	9.061920
8	3	18	95	1912,1622	11.717029
			Bin5Statis	tiConducted Spurious Emissions, 15	.txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	<pre>Pulse Start(S)</pre>
1	1	13	100	NA	0.364783
2	2	10	50	1199	2.666412
3	3	15	75	1779,1637	3.081402
4	2	17	70	1557	5.765578
5	2	6	100	1651	6.332456
6	2	8	75	1576	8.597645
7	2	20	85	1193	10.483370
8	1	12	90	AN	11.883729
			Bin5Statis	stiConducted Spurious Emissions, 16	S.txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	<pre>Inter-pulse spacing/s(uS)</pre>	Pulse Start(S)
1	3	20	85	1065,1714	0.189062
2	1	15	65	NA	0.750116
3	1	7	65	NA	1.507785
4	3	5	95	1489,1985	2.435155
5	3	18	55	1082,1498	3.083722
6	1	6	80	NA	3.971948
7	2	14	55	1592	4.485996
8	3	17	55	1485,1577	5.030177
9	3	11	95	1052,1410	5.958709
10	1	20	55	NA 1615	6.184327
11	2	8	75 100	1615	7.077090
12 13	1	6 7	100 50	NA 1003 1605	7.524728
13 14	3 1	19	70	1003,1605 NA	8.363682 9.232491
15	1	18	60	NA NA	9.232491
16	2	7	70	1069	10.374854
17	3	15	75	1806,1492	11.040716
18	3	5	75	1210,1477	11.920784

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			Bin5Statis	stiConducted Spurious Emissions, 17	'.txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	2	18	95	1223	0.665694
2	2	7	50	1380	1.284694
3	2	13	85	1162	2.517303
4	2	7	100	1247	4.224119
5	2	14	50	1361	5.846404
6	2	13	90	1233	6.076306
7	3	12	85	1093,1206	7.419080
8	3	11	65	1674,1547	8.983513
9	2	17	60	1554	10.665377
10	2	6	65	1148	10.837530
			Rin5Statis	stiConducted Spurious Emissions, 18	l tyt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	1	13	65	NA	0.484717
2	1	11	80	NA	1.159442
3	1	11	85	NA	1.989763
4	1	17	95	NA	3.113992
5	2	14	70	1815	4.253228
6	3	15	85	1630,1259	4.521067
7	3	7	90	1579,1110	5.936267
8	2	10	55	1455	6.678804
9	3	10	70	1597,1342	7.508272
10	3	18	60	1747,1248	8.176820
11	1	20	70	NA	9.056342
12	2	7	80	1587	9.607438
13	3	9	50	1698,1867	10.485855
14	1	18	90	NA	11.584605
			Bin5Statis	tiConducted Spurious Emissions, 19	txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	3	16	55	1327,1743	0.189354
2	2	5	50	1172	1.087821
3	1	19	80	NA	1.425253
4		6	70	1752,1450	2.196791
	3	18	50	1057,1315	2.534874
5 6	3	18	100	1991,1254	3.303705
7	2	12	65	1128	4.299627
8	3	17	90	1152,1980	4.618446
9	3	5	50	1603,1247	5.221283
10	2	19	95	1105	6.238795
11	3	20	95	1386,1992	6.585909
12	2	19	90	1370	7.391358
13	2	15	60	1507	7.655405
14	2	16	90	1471	8.557446
15	3	17	80	1499,1977	8.862875
16	1	11	70	NA	9.700538
17	3	8	80	1056,1667	10.657443
18	1	5	60	NA	10.997991
19	2	9	50	1991	11.610160

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			Bin5Statis	stiConducted Spurious Emissions, 20).txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	2	11	75	1528	0.477278
2	3	14	55	1764,1515	1.313624
3	2	6	50	1864	2.691367
4	2	20	50	1622	3.540585
5	3	7	70	1782,1809	4.535160
6	3	16	95	1270,1921	5.198525
7	1	15	90	NA	5.844929
8	2	11	90	1318	6.464262
9	1	9	50	NA	8.131810
10	2	16	50	1252	8.737775
11	1	10	90	NA	9.341513
12	1	8	85	NA 1493,1500	10.536350
13	3	14	90	1493,1500	11.192702
			Bin5Statis	stiConducted Spurious Emissions, 21	l.txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	1	11	60	NA	0.198394
2	2	15	50	1860	1.098795
3	3	7	95	1136,1855	1.838017
4	2	6	55	1068	2.749918
5	1	7	55	NA	3.067552
6	3	16	55	1223,1604	4.092717
7	1	5	70	NA	4.964621
8	2	5	55	1080	5.997556
9	1	16	75	NA	6.334557
10	1	17	50	NA	7.229808
11	2	6	65	1827	7.784109
12	3	13	55 75	1692,1308	8.460396
13 14	3	19 7	75 75	1161,1147 1155,1400	9.335023 10.164647
15	2	19	60	1500	11.028585
16	3	16	60	1206,1490	11.287696
			Bin5Statis	stiConducted Spurious Emissions, 22	
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	<pre>Pulse Start(S)</pre>
1	1	17	60	NA	0.259190
2	3	16	60	1755,1016	1.154477
3	2	6	75	1618	1.503157
4	3	18	55	1315,1815	2.389196
5	1	9	55	NA	2.429890
6 7	2	9 6	100	1217	3.307418 3.959000
8	2 2		75 65	1456	
9	1	16 13	95	1761 NA	4.518037 5.121371
10	2	6	90	1073	5.897151
11	2	12	95	1849	6.452961
12	1	15	75	NA	6.608709
13	3	20	65	1611,1352	7.766821
14	3	19	90	1571,1687	8.029902
15	2	15	100	1642	8.406261
16	1	7	75	NA	9.210887
17	1	19	100	NA	9.717320
18	2	14	65	1969	10.579678
19	1	14	90	NA	10.950622
			Pag	e No: 212 of 221	



20	3	5	65	1805,1349	11.702990
			Rin5Statis	stiConducted Spurious Emissions, 23	R tyt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	2	9	95	1375	0.426164
2	3	10	75	1903,1329	0.682080
3	3		75 85		
		12		1524,1915	1.349755
4	1	20	55	NA	2.201036
5	2	12	95	1445	2.948833
6	1	9	50	NA	3.404405
7	3	17	55	1990,1545	4.081089
8	2	15	90	1544	4.530982
9	3	13	90	1857,1942	4.938504
10	1	7	75	NA	5.877314
11	2	16	70	1928	6.568613
12	2	17	100	1278	6.616126
13	3	7	85	1656,1767	7.758380
14	2	11	95	1013	7.910941
15	3	17	75	1653,1453	8.650009
16	1	18	75	NA	9.355870
17	3	9	100	1938,1981	9.792517
18	2	6	50	1303	10.708265
19	2	12	55	1455	11.049167
20	3	18	85	1228,1340	11.666018
			5: -0: ::		
	_			stiConducted Spurious Emissions, 24	
Burst#	Pulses	Chirp(MHz)	PW(uS)	<pre>Inter-pulse spacing/s(uS)</pre>	Pulse Start(S)
1	3	20	80	1289,1154	0.708080
2	1	7	90	NA	1.118844
3	1	15	100	NA	1.795530
4	1	16	60	NA	2.605457
5	1	12	55	NA	3.379687
6	2	5	90	1587	3.893407
7	2	5	70	1171	4.584573
8	2	16	85	1102	5.625719
9	3	12	95	1409,1047	6.547662
10	2	5	85	1352	7.164235
11	1	15	90	NA	8.061174
12	2	5	75	1383	8.919423
13	3	5	90	1813,1632	9.193176
14	1	9	90	NA	9.996179
15	2	13	75	1814	11.212747
16	1	14	85	NA	11.866708
	_		0.5	1411	000,00



			Bin5Statist	iConducted Spurious Emissions, 25.	txt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	<pre>Pulse Start(S)</pre>
1	2	8	95	1472	0.042703
2	3	7	95	1961,1742	0.682571
3	2	20	100	1821	1.864106
4	2	10	50	1893	2.171655
5	2	5	55	1068	2.898343
6	3	15	85	1773,1997	3.220556
7	1	20	60	NA	4.305020
8	3	10	65	1583,1982	4.759748
9	2	18	65	1862	5.274031
10	2	14	75	1206	5.739309
11	3	14	60	1045,1646	6.613432
12	3	10	85	1727,1348	7.313473
13	1	19	100	NA	8.164345
14	3	7	70	1856,1214	8.231440
15	1	10	85	NA	9.029920
16	3	10	65	1140,1640	10.006982
17	2	5	60	1399	10.189309
18	3	19	55	1889,1992	10.754588
19	3	15	70	1751,1462	11.653754
			Bin5Statist	iConducted Spurious Emissions, 26.	txt
Burst#	Pulses	Chirp(MHz)	Bin5Statist	iConducted Spurious Emissions, 26. Inter-pulse spacing/s(uS)	txt Pulse Start(S)
1	3	Chirp(MHz)	PW(uS) 65	iConducted Spurious Emissions, 26. Inter-pulse spacing/s(uS) 1146,1664	
1 2	3	_	PW(uS) 65 70	<pre>Inter-pulse spacing/s(uS)</pre>	<pre>Pulse Start(S)</pre>
1 2 3	3 3 3	18	PW(uS) 65	Inter-pulse spacing/s(uS) 1146,1664	Pulse Start(S) 0.311317
1 2	3 3 3 2	18 9	PW(uS) 65 70	Inter-pulse spacing/s(uS) 1146,1664 1660,1080	Pulse Start(S) 0.311317 0.706229
1 2 3 4 5	3 3 3	18 9 13	PW(uS) 65 70 85	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980	Pulse Start(S) 0.311317 0.706229 1.432773
1 2 3 4 5 6	3 3 3 2	18 9 13 10	PW(uS) 65 70 85 50	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026
1 2 3 4 5	3 3 3 2 2	18 9 13 10 13	PW(uS) 65 70 85 50 85	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954
1 2 3 4 5 6	3 3 2 2 1	18 9 13 10 13 5	PW(uS) 65 70 85 50 85 75	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355
1 2 3 4 5 6 7	3 3 2 2 1 3	18 9 13 10 13 5	PW(uS) 65 70 85 50 85 75	Inter-pulse spacing/s(uS)	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928
1 2 3 4 5 6 7 8	3 3 2 2 1 3 2	18 9 13 10 13 5 12	PW(uS) 65 70 85 50 85 75 70 65	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209
1 2 3 4 5 6 7 8 9	3 3 2 2 1 3 2 2	18 9 13 10 13 5 12 11	PW(uS) 65 70 85 50 85 75 70 65	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188
1 2 3 4 5 6 7 8 9	3 3 2 2 1 3 2 2 2 2	18 9 13 10 13 5 12 11 19	PW(uS) 65 70 85 50 85 75 70 65 100 90 55	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091 1325 1297	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188 6.151259 6.767631
1 2 3 4 5 6 7 8 9 10	3 3 2 2 1 3 2 2 2	18 9 13 10 13 5 12 11 19	PW(uS) 65 70 85 50 85 75 70 65 100 90	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091 1325	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188 6.151259
1 2 3 4 5 6 7 8 9 10 11	3 3 2 2 1 3 2 2 2 2 2 2	18 9 13 10 13 5 12 11 19 10 7	PW(uS) 65 70 85 50 85 75 70 65 100 90 55 60	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091 1325 1297 1077 NA	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188 6.151259 6.767631 7.146611 7.885784
1 2 3 4 5 6 7 8 9 10 11 12 13	3 3 2 2 1 3 2 2 2 2 2 2 1 3	18 9 13 10 13 5 12 11 19 10 7 14	PW(uS) 65 70 85 50 85 75 70 65 100 90 55 60 65	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091 1325 1297 1077	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188 6.151259 6.767631 7.146611 7.885784 8.358920
1 2 3 4 5 6 7 8 9 10 11 12 13 14	3 3 2 2 1 3 2 2 2 2 2 2	18 9 13 10 13 5 12 11 19 10 7 14 10	PW(uS) 65 70 85 50 85 75 70 65 100 90 55 60 65 95	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091 1325 1297 1077 NA 1003,1021	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188 6.151259 6.767631 7.146611 7.885784 8.358920 8.866920
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	3 3 2 2 1 3 2 2 2 2 2 1 3 2 2 1	18 9 13 10 13 5 12 11 19 10 7 14 10 10	PW(uS) 65 70 85 50 85 75 70 65 100 90 55 60 65 95 95	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091 1325 1297 1077 NA 1003,1021 1104 NA	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188 6.151259 6.767631 7.146611 7.885784 8.358920 8.866920 9.825739
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	3 3 2 2 1 3 2 2 2 2 2 1 3 2 2 1 2 2 2 1 2 2 2 2	18 9 13 10 13 5 12 11 19 10 7 14 10 10 15 15	PW(uS) 65 70 85 50 85 75 70 65 100 90 55 60 65 95 100 65	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091 1325 1297 1077 NA 1003,1021 1104 NA 1517	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188 6.151259 6.767631 7.146611 7.885784 8.358920 8.866920 9.825739 10.133463
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	3 3 2 2 1 3 2 2 2 2 2 1 3 2 2 1	18 9 13 10 13 5 12 11 19 10 7 14 10 10	PW(uS) 65 70 85 50 85 75 70 65 100 90 55 60 65 95 95	Inter-pulse spacing/s(uS) 1146,1664 1660,1080 1513,1980 1998 1577 NA 1426,1239 1701 1091 1325 1297 1077 NA 1003,1021 1104 NA	Pulse Start(S) 0.311317 0.706229 1.432773 2.431026 2.660954 3.491355 3.859928 4.455209 5.462188 6.151259 6.767631 7.146611 7.885784 8.358920 8.866920 9.825739



			Rin5Statist	iConducted Spurious Emissions, 27.	tvt
Burst#	Pulses	Chirp(MHz)	PW(uS)	Inter-pulse spacing/s(uS)	Pulse Start(S)
1	2	14	95	1723	0.381878
2	2	19	85	1512	0.943462
3	1	13	85	NA	1.715041
4	2	5	95	1124	2.637521
5	2	10	70	1228	2.678302
6	2	6	100	1583	3.925576
7	1	14	85	NA	4.186924
8	3	19	65	1980,1256	4.888864
9	1	17	75	NA	5.748240
10	1	19	75	NA	6.609447
11	2	13	55	1881	6.676110
12	2	7	50	1952	7.933780
13	3	7	65	1163,1089	8.360277
14	2	14	60	1118	8.898094
15	2	16	50	1628	9.889217
16	3	10	90	1109,1316	10.176947
17	1	17	80	NA	10.718500
18	1	12	50	NA	11.507719
				iConducted Spurious Emissions, 28.	
Burst#	Pulses	Chirp(MHz)	PW(uS)		<pre>Pulse Start(S)</pre>
1	3	11	85	1613,1491	0.221110
2	1	17	100	NA	2.906973
3	1	8	85	NA	3.666031
4	3	8	90	1594,1695	5.419139
5	2	9	80	1210	6.651231
6	2	15	55	1336	8.938872
7	3	20	90	1049,1591	9.704559
8	2	11	90	1798	11.314932
			DinCOtation	iCandustad Causiana Emissiana 20	44
D # #	Dulasa	Clo / MII- \		iConducted Spurious Emissions, 29.	
Burst#	Pulses 3	Chirp(MHz)	PW(uS) 50	Inter-pulse spacing/s(uS) 1717,1364	Pulse Start(S) 0.396265
1 2	2	9	50	1148	1.190643
3	1	10	75	NA	1.217983
4	3	11	90	1141,1163	2.034267
5	1	9	75	NA	2.510143
6	3	17	100	1970,1773	3.492568
7	3	18	100	1906,1702	4.141282
8	1	9	75	NA	4.547303
9	2	8	50	1051	4.977426
10	2	6	75	1894	5.757913
11	2	5	60	1019	6.345496
12	3	17	50	1445,1019	6.639344
13	1	13	70	NA	7.438649
14	2	13	90	1999	7.806934
15	2	9	80	1202	8.778397
16	1	14	55	NA	9.560934
17	3	16	55	1467,1226	9.696714
18	2	15	60	1255	10.637733
19	1	18	75	NA	10.838545
20	3	18	95	1842,1178	11.890255

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Bin5StatistiConducted Spurious Emissions, 30.txt

Burst#	Pulses	Chirp(MHz)	PW(uS)	<pre>Inter-pulse spacing/s(uS)</pre>	Pulse Start(S)
1	3	19	75	1697,1491	0.431787
2	2	12	70	1681	0.814901
3	2	15	70	1832	1.353137
4	2	12	85	1368	2.323234
5	1	16	85	NA	2.423792
6	2	16	55	1458	3.501635
7	1	9	100	NA	4.116155
8	2	14	90	1644	4.204810
9	1	13	70	NA	5.235199
10	3	5	70	1156,1411	5.986557
11	1	15	65	NA	6.199038
12	3	18	55	1604,1229	7.153491
13	2	18	65	1359	7.290605
14	3	8	55	1464,1249	8.147313
15	1	10	95	NA	8.494478
16	1	18	75	NA	9.234184
17	1	7	65	NA	9.635216
18	3	6	55	1483,1782	10.707749
19	1	7	100	NA	10.941650
20	1	8	55	NA	11.812996



RINOSta	atistiConducted Spur	ious Em	issions,	1.txt
	Frequency(GHz)	Pulse	Start	
14	5.493000			42
48	5.504000			144
85 88	5.506000 5.500000			255 264
00	3.300000			204
Bin6Sta	atistiConducted Spur	ious Em	issions.	2.txt
	Frequency(GHz)			
0	5.506000			0
7	5.508000			21
9 33	5.507000 5.499000			27 99
33 41	5.503000			123
48	5.496000			144
	ntistiConducted Spur			
#qoH	Frequency(GHz)	Pulse	Start	
16	5.492000 5.491000			48
18 40	5.491000			54 120
45	5.494000			135
65	5.495000			195
67	5.496000			201
90	5.500000			270
Rin6Sta	stictiConducted Spur	ious Em	iccione	1 tvt
	atistiConducted Spur			
	atistiConducted Spur Frequency(GHz) 5.499000			
Hop# 18 29	Frequency(GHz) 5.499000 5.501000			(mS) 54 87
Hop# 18 29 53	Frequency(GHz) 5.499000 5.501000 5.498000			(mS) 54 87 159
Hop# 18 29	Frequency(GHz) 5.499000 5.501000			(mS) 54 87
Hop# 18 29 53 82	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000	Pulse	Start	(mS) 54 87 159 246
Hop# 18 29 53 82	Frequency(GHz) 5.499000 5.501000 5.498000	Pulse	Start	(mS) 54 87 159 246 5.txt
Hop# 18 29 53 82 Bin6Sta Hop# 78	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000	Pulse	Start	(mS) 54 87 159 246 5.txt (mS) 234
Hop# 18 29 53 82 Bin6Sta Hop# 78 88	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000	Pulse	Start	(mS) 54 87 159 246 5.txt (mS) 234 264
Hop# 18 29 53 82 Bin6Sta Hop# 78	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000	Pulse	Start	(mS) 54 87 159 246 5.txt (mS) 234
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000	Pulse ious Em Pulse	Start issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92 Bin6Sta	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur	Pulse ious Em Pulse ious Em	issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur Frequency(GHz) 5.494000	Pulse ious Em Pulse ious Em	issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92 Bin6Sta Hop# 5 15	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur Frequency(GHz) 5.494000 5.503000	Pulse ious Em Pulse ious Em	issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276 6.txt (mS) 15 45
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92 Bin6Sta Hop# 5 15 27	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur Frequency(GHz) 5.494000 5.503000 5.509000	Pulse ious Em Pulse ious Em	issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276 6.txt (mS) 15 45 81
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92 Bin6Sta Hop# 5 15 27 66	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur Frequency(GHz) 5.505000 5.494000 5.503000 5.509000 5.496000	Pulse ious Em Pulse ious Em	issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276 6.txt (mS) 15 45 81 198
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92 Bin6Sta Hop# 5 15 27	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur Frequency(GHz) 5.494000 5.503000 5.509000	Pulse ious Em Pulse ious Em	issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276 6.txt (mS) 15 45 81
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92 Bin6Sta Hop# 5 15 27 66 69	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur Frequency(GHz) 5.494000 5.503000 5.509000 5.496000 5.493000	Pulse ious Em Pulse ious Em Pulse	issions, Start issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276 6.txt (mS) 15 45 81 198 207
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92 Bin6Sta Hop# 5 15 27 66 69 Bin6Sta Hop#	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur Frequency(GHz) 5.494000 5.503000 5.509000 5.496000 5.493000 atistiConducted Spur Frequency(GHz)	Pulse ious Em Pulse ious Em Pulse	issions, Start issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276 6.txt (mS) 15 45 81 198 207 7.txt (mS)
Hop# 18 29 53 82 Bin6Sta Hop# 78 88 92 Bin6Sta Hop# 5 15 27 66 69 Bin6Sta	Frequency(GHz) 5.499000 5.501000 5.498000 5.503000 atistiConducted Spur Frequency(GHz) 5.505000 5.500000 5.494000 atistiConducted Spur Frequency(GHz) 5.503000 5.503000 5.509000 5.496000 5.493000 atistiConducted Spur	Pulse ious Em Pulse ious Em Pulse	issions, Start issions, Start	(mS) 54 87 159 246 5.txt (mS) 234 264 276 6.txt (mS) 15 45 81 198 207

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Bin6Sta Hop# 18 34 71 90	atistiConducted Spur Frequency(GHz) 5.498000 5.503000 5.507000 5.492000			
	atistiConducted Spur Frequency(GHz) 5.493000 5.495000 5.506000 5.494000 5.492000			
Bin6Sta Hop# 52 61 62	atistiConducted Spur Frequency(GHz) 5.491000 5.493000 5.492000			
	atistiConducted Spur Frequency(GHz) 5.491000 5.508000 5.507000 5.498000			
Bin6Sta Hop# 8 32 48 78	atistiConducted Spur Frequency(GHz) 5.491000 5.499000 5.493000 5.502000	ious Emi Pulse	issions, Start	12.txt (mS) 24 96 144 234
Bin6Sta Hop# 44 48 51 91	atistiConducted Spur Frequency(GHz) 5.492000 5.491000 5.500000 5.495000			
Bin6Sta Hop# 10 39 65 76	atistiConducted Spur Frequency(GHz) 5.508000 5.503000 5.496000 5.502000	ious Em Pulse		14.txt (mS) 30 117 195 228
Bin6Sta Hop# 16 24	atistiConducted Spur Frequency(GHz) 5.498000 5.503000			15.txt (mS) 48 72

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Bin6Sta Hop# 11 28 32 35 51 57 60 71 74 90	atistiConducted Spur Frequency(GHz) 5.501000 5.500000 5.509000 5.505000 5.495000 5.496000 5.491000 5.507000 5.499000 5.508000			
	atistiConducted Spur			
Нор# 16	Frequency(GHz) 5.508000	Pulse	Start	(ms) 48
28	5.496000			84
30	5.507000			90
45	5.502000			135
77	5.492000			231
85	5.498000			255
Bin6Sta	atistiConducted Spur	ious Em	issions,	18.txt
	Frequency(GHz)			
2	5.499000			6
5	5.491000			15
20 26	5.496000			60 78
46 66	5.505000 5.492000			198
75	5.498000			225
		iaua Em	iaaiana	
	atistiConducted Spur Frequency(GHz)			
0	5.503000	raibc	Deare	0
1	5.497000			3
67	5.499000			201
79	5.496000			237
Rin6St	atistiConducted Spur	ious Em	issions	20 tvt
	Frequency(GHz)			
	5.501000			66
39	5.497000			117
47	5.494000			141
48	5.498000			144
52	5.507000			156
Bin6Sta	atistiConducted Spur			21.txt
#qoH	Frequency(GHz)			(mS)
0	5.507000			0
19 40	5.491000			57 120
40 89	5.508000 5.496000			120 267
0)	3.470000			207

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	AtistiConducted Spurious Emissions, 22.txt Frequency(GHz) Pulse Start (mS) 5.498000 15 5.505000 90 5.499000 123 5.507000 240 5.502000 291	
	AtistiConducted Spurious Emissions, 23.txt Frequency(GHz) Pulse Start (mS) 5.500000 18 5.493000 60 5.504000 147 5.508000 177 5.503000 270 5.495000 285	
	AtistiConducted Spurious Emissions, 24.txt Frequency(GHz) Pulse Start (mS) 5.495000 51 5.500000 96 5.505000 204	
Bin6Sta Hop# 9 20 22 56 72	tistiConducted Spurious Emissions, 25.txt Frequency(GHz) Pulse Start (mS) 5.492000 27 5.501000 60 5.506000 66 5.496000 168 5.503000 216	
	AtistiConducted Spurious Emissions, 26.txt Frequency(GHz) Pulse Start (mS) 5.508000 18 5.505000 111 5.499000 135 5.502000 162 5.495000 207 5.497000 210 5.493000 261 5.503000 294	
Bin6Sta Hop# 9 23 29 79	tistiConducted Spurious Emissions, 27.txt Frequency(GHz) Pulse Start (mS) 5.498000 27 5.502000 69 5.495000 87 5.503000 237	,

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Bin6StatistiConducted Spurious Emissions, 28.txt

#qoH	Frequency(GHz)	Pulse	Start	(mS)
15	5.508000			45
18	5.497000			54
48	5.501000			144
61	5.503000			183
75	5.493000			225
83	5.507000			249
85	5.499000			255
98	5.505000			294

Bin6StatistiConducted Spurious Emissions, 29.txt

#qoH	Frequency(GHz)	Pulse	Start	(mS)
33	5.505000			99
38	5.492000			114
88	5.504000			264

Bin6StatistiConducted Spurious Emissions, 30.txt

Hop#	Frequency(GHz)	Pulse	Start	(mS)
5	5.497000			15
45	5.506000			135
76	5.498000			228

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