



427 West 12800 South
Draper, UT 84020

Test Report Certification

FCC ID	SWX-U6EPIW
ISED ID	6545A-U6EPIW
Equipment Under Test	U6-Enterprise-IW
Test Report Serial Number	TR6990_02
Date of Tests	21 December 2021; 4, 21-24 January, 9-11 March 2022
Report Issue Date	24 March 2022

Test Specification	Applicant
47 CFR FCC Part 15, Subpart E	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.



Certification of Engineering Report

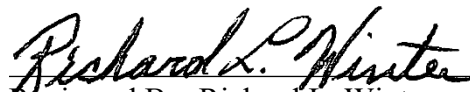
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Applicant	Ubiquiti Inc.
Manufacturer	Ubiquiti Inc.
Brand Name	UniFi
Model Number	U6-Enterprise-IW
FCC ID	SWX-U6EPIW
ISED ID	6545A-U6EPIW

On this 24th day of March 2022, I individually and for Unified Compliance Laboratory certify that the statements made in this engineering report are true, complete and correct to the best of my knowledge and are made in good faith.

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Unified Compliance Laboratory


Written By: Kimberly Rodriguez
Reviewed By: Richard L. Winter

Revision History		
Revision	Description	Date
01	Original Report Release	24 March 2022
02	Added DFS Type 5 Trail Data In Section 5.7.5	1 August 2022

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1 Client Information

1.1 Applicant

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Mark Feil
Title	Compliance Manager

1.2 Manufacturer

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Mark Feil
Title	Compliance Manager

2 Equipment Under Test (EUT)

2.1 Identification of EUT

Brand Name	UniFi
Model Number	U6-Enterprise-IW
Serial Number	68D79A0505E9
Dimensions (cm)	16.0 x 15.7 x 3.4

2.2 Description of EUT

The U6-Enterprise-IW is an in-wall mounted access point with four-stream Wi-Fi 6 that provides up to 5.3+ Gbps aggregate throughput rate. The U6-Enterprise-IW has 2.4 GHz (2x2), 5 GHz (4x4) and 6 GHz (4x4) transmitters. The U6-Enterprise-IW has an Ethernet port for data transfer and is powered by an 802.3at PoE Power Adapter. The U6-Enterprise-IW has a Bluetooth management radio to achieve setup and operation. The U6-Enterprise-IW is designed for indoor use.

Band	Modulation Bandwidth	Frequency (MHz)
UNII-2A	20 MHz	5260, 5265, 5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310, 5315, 5320
	40 MHz	5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310
	80 MHz	5290
	160 MHz	5250
UNII-2C	20 MHz	5500, 5505, 5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710, 5715, 5720
	40 MHz	5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710
	80 MHz	5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690
	160 MHz	5570
* Frequency not applicable in Canada		

Table 1: UNII-2A and UNII-2C Channel Settings

This report covers the circuitry of the device subject to FCC Part 15, Subpart E. The circuitry of the device subject to FCC Part 15 Subpart B was found to be compliant and is covered under a separate Unified Compliance Laboratory test report.

2.3 EUT and Support Equipment

The EUT and support equipment used during the test are listed below.

Brand Name Model Number Serial Number	Description	Name of Interface Ports / Interface Cables
BN: UniFi MN: U6-Enterprise-IW (Note 1) SN: 68D79A0505E9	WiFi Access Point	See Section 2.4
BN: Ubiquiti MN: UPOE-at SN: N/A	PoE Power Adapter	Shielded or Un-Shielded Cat 5e cable (Note 2)
BN: Dell MN: XPS 13 SN: N/A	Laptop Personal Computer	Shielded or Un-Shielded Cat 5e cable (Note 2)

Notes: (1) EUT

(2) Interface port connected to EUT (See Section 2.4)

The support equipment listed above was not modified in order to achieve compliance with this standard.

2.4 Interface Ports on EUT

Name of Ports	No. of Ports Fitted to EUT	Cable Description/Length
PoE	1	Shielded or Un-Shielded Cat 5e Cable/> 3 Meters
Data	1	Shielded or Un-Shielded Cat 5e Cable/> 3 Meters

2.5 Operating Environment

Power Supply	120 Volts ac to 48 Volts PoE Power
AC Mains Frequency	60 Hz
Temperature	22.80-23 °C
Humidity	18.79-22.04 %
Barometric Pressure	1030 mBar

2.6 Operating Modes

The U6-Enterprise-IW was tested using test software in order to enable to constant transmission. The measurements within this report are corrected to reference a 100% duty cycle. All emission modes of 802.11 a/n/ac/ax were investigated. All measurements are reported with the worst-case mode (802.11ax) unless otherwise stated.

2.7 EUT Exercise Software

EUT firmware version 1.0 was used to operate the transmitter using a constant transmit mode.

2.8 Block Diagram of Test Configuration

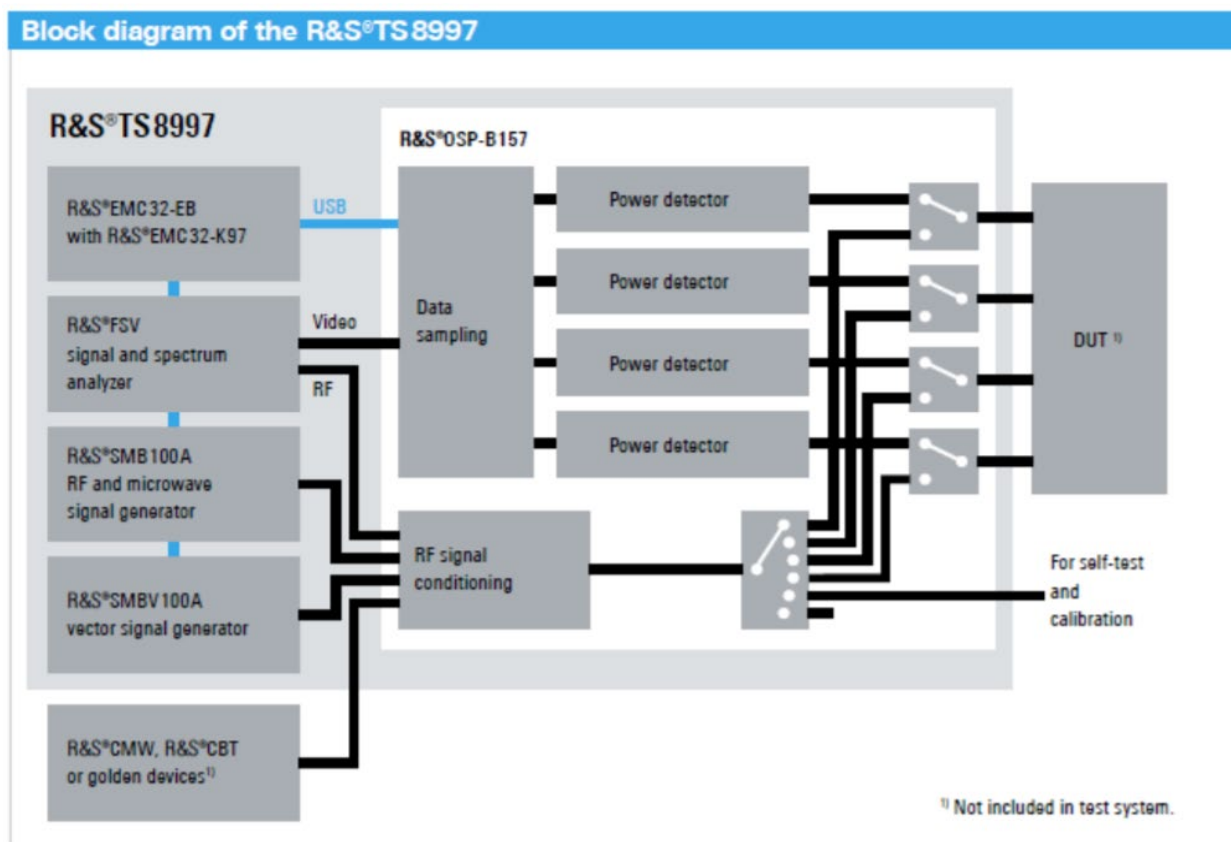


Diagram 1: Test Configuration Block Diagram

2.9 Modification Incorporated/Special Accessories on EUT

There were no modifications made to the EUT during testing to comply with the specification.

2.10 Deviation, Opinions Additional Information, or Interpretations from Test Standard

There were no deviations, opinions, additional information, or interpretations from the test specification.

3 Test Specification, Method, and Procedures

3.1 Test Specification

Title	47 CFR FCC Part 15, Subpart E, Section 15.407 Limits and methods of measurement of radio interference characteristics of Unlicensed National Information Infrastructure Devices
Purpose of Test	The tests were performed to demonstrate initial compliance

3.2 Methods & Procedures

3.2.1 47 CFR FCC Part 15 Section 15.407

See test standard for details.

3.3 FCC Part 15, Subpart E

3.3.1 Summary of Tests

FCC Section	ISED Section	Environmental Phenomena	Frequency Range (MHZ)	Result
15.407(a)	N/A	Antenna requirements	Structural Requirement	Compliant
15.407(b)	RSS-Gen	Conducted Disturbance at Mains Port	0.15 to 30	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Bandwidth Requirement	5260 to 5570	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Output Power	5260 to 5570	Compliant
15.407(b)	RSS-247 §6.2.2, §6.2.3	Antenna Conducted Spurious Emissions	0.009 to 40000	Compliant
15.407(b)	RSS-247 §6.2.2, §6.2.3	Radiated Spurious Emissions	0.009 to 40000	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Power Spectral Density	5260 to 5570	Compliant
15.407(h)	RSS-247 §6.3	DFS Requirements	5260 to 5570	Compliant
The testing was performed according to the procedures in ANSI C63.10-2013, KDB 558074 and 47 CFR Part 15. Where applicable, KDB 662911 was followed to sum required measurements.				

3.4 Results

In the configuration tested, the EUT complied with the requirements of the specification.

3.5 Test Location

Testing was performed at the Unified Compliance Laboratory 3-meter and 10-meter chamber located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2022. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2022. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED.

4 Test Equipment

4.1 Conducted Emissions at Mains Ports

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	AFJ	FFT3010	UCL-6754	12/8/2021	12/8/2022
LISN	AFJ	LS16C/10	UCL-6749	12/6/2021	12/6/2023
Cat6 ISN	Teseq	ISN T8-Cat6	UCL-2971	1/30/2022	1/30/2023
ISN	Teseq	ISN T800	UCL-2974	6/4/2021	6/4/2022
LISN	Com-Power	LIN-120C	UCL-2612	1/6/2022	1/6/2023
AC Power Source	Laplace Instruments	AC1000A	UCL-2857	N/A	N/A
Test Software	UCL	Revision 1	UCL-3107	N/A	N/A

Table 2: List of equipment used for Conducted Emissions Testing at Mains Port

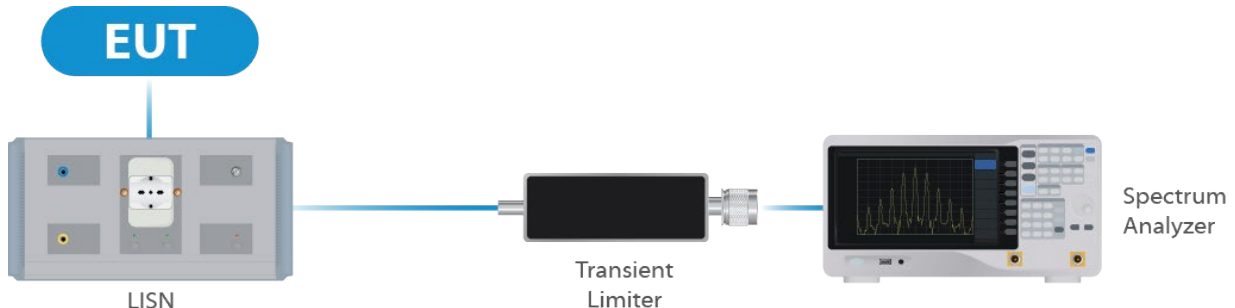


Figure 1: Conducted Emissions Test

4.2 Direct Connect at the Antenna Port Tests

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Spectrum Analyzer	R&S	FSV40	UCL-2861	1/03/2022	1/03/2023
Signal Generator	R&S	SMB100A	UCL-2864	N/A	N/A
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Switch Extension	R&S	OSP-B157WX	UCL-2867	1/03/2022	1/03/2023

Switch Extension	R&S	OSP-150W	UCL-2870	1/03/2022	1/03/2023
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Table 3: List of equipment used for Direct Connect at the Antenna Port

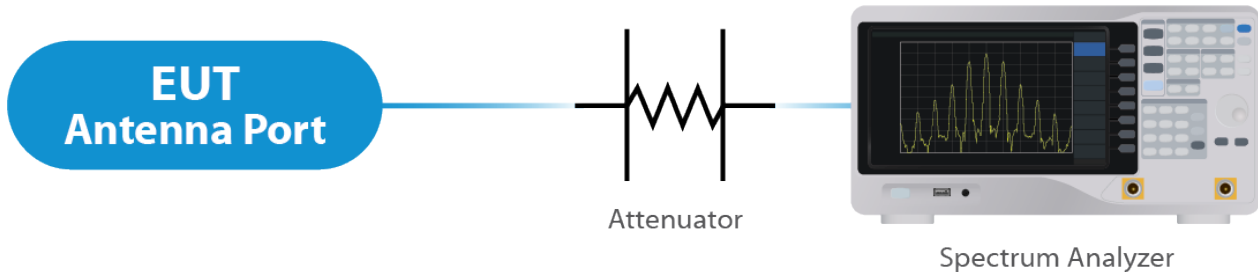


Figure 2: Direct Connect at the Antenna Port Test



Figure 3: Output Power Measurement

4.3 Radiated Emissions

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	Keysight	N9038A	UCL-2778	6/21/2021	6/21/2022
Pre-Amplifier 9 kHz – 1 GHz	Sonoma Instruments	310N	UCL-2889	10/7/2021	10/7/2022
Broadband Antenna	Scwarzbeck	VULB 9163	UCL-3062	8/28/2020	8/27/2022
Broadband Antenna	Scwarzbeck	VULB 9163	UCL-3071	5/19/2020	5/19/2022
Double Ridge Horn Antenna	Scwarzbeck	BBHA 9120D	UCL-3065	7/8/2021	7/8/2022
Log Periodic	Scwarzbeck	STLP 9129	UCL-3068	11/16/2020	11/16/2022
15 - 40 GHz Horn Antenna	Scwarzbeck	BBHA 9170	UCL-2487	5/21/2020	5/21/2022
1 – 18 GHz Amplifier	Com-Power	PAM 118A	UCL-3833	10/7/2021	10/7/2022
Test Software	UCL	Revision 1	UCL-3108	N/A	N/A

Table 4: List of equipment used for Radiated Emissions

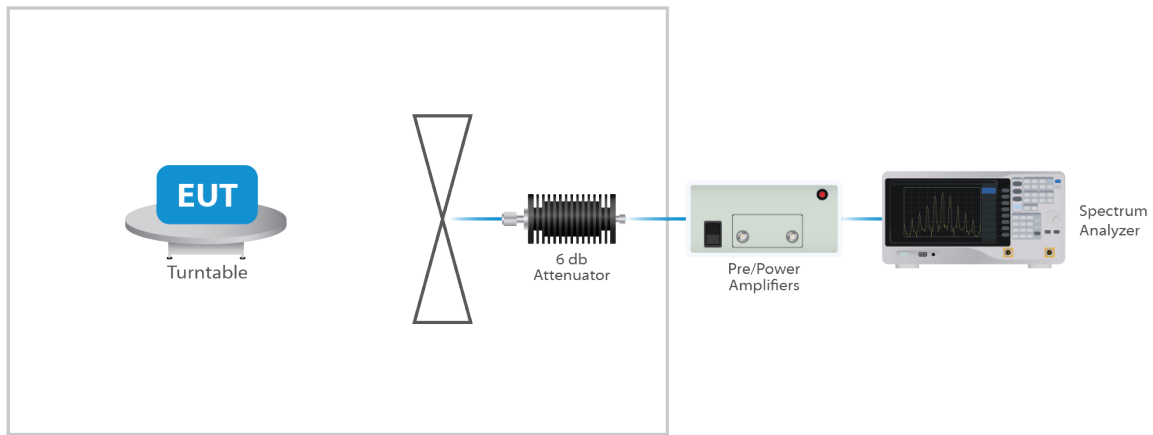


Figure 4: Radiated Emissions Test

4.4 DFS Testing

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Spectrum Analyzer	Keysight	E4407B	UCL-2943	3/29/2021	3/29/2022

4.4.1 Master Test Set Up

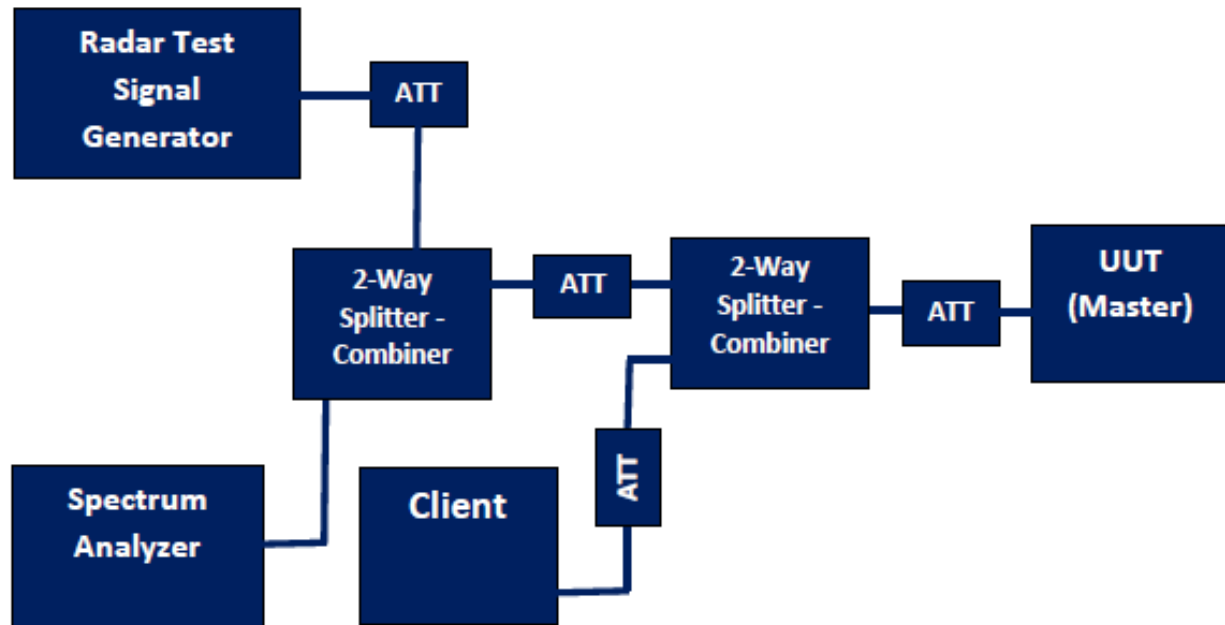


Figure 5: DFS Test Set Up - Master

4.5 Equipment Calibration

All applicable equipment is calibrated using either an independent calibration laboratory or Unified Compliance Laboratory personnel at intervals defined in ANSI C63.4:2014 following outlined calibration procedures. All measurement instrumentation is traceable to the National Institute of Standards and Technology (NIST). Supporting documentation relative to traceability is on file and is available for examination upon request.

4.6 Measurement Uncertainty

Test	Uncertainty ($\pm$ dB)	Confidence (%)
Conducted Emissions	1.44	95
Radiated Emissions (9 kHz to 30 MHz)	2.50	95
Radiated Emissions (30 MHz to 1 GHz)	4.38	95
Radiated Emissions (1 GHz to 18 GHz)	4.37	95
Radiated Emissions (18 GHz to 40 GHz)	3.93	95
Direct Connect Tests	K Factor	Value
Emissions Bandwidth	2	2.0%
Output Power	2	1.0 dB
Peak Power Spectral Density	2	1.3 dB
Band Edge	2	0.8 dB
Transmitter Spurious Emissions	2	1.8 dB

5 Test Results

5.1 §15.203 Antenna Requirements

The EUT uses an integral folding antenna structure. The maximum gain of the antenna per chain is 5.8 dBi. This is an 802.11 device and utilizes CDD as described in KDB 662911 D01. The antenna is not user replaceable.

For power measurements on IEEE 802.11 devices, Array Gain = 0 dB for $N_{ANT} \leq 4$;

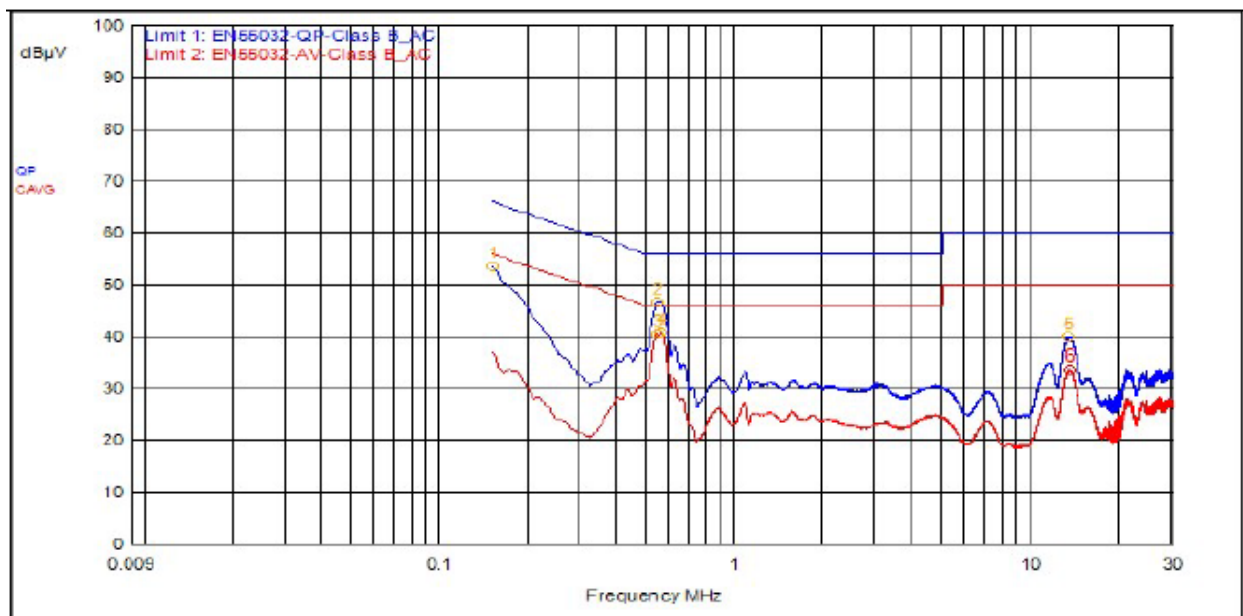
For PSD measurements when $N_{ss}=1$: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB = 6.02dB

Results

The EUT complied with the specification

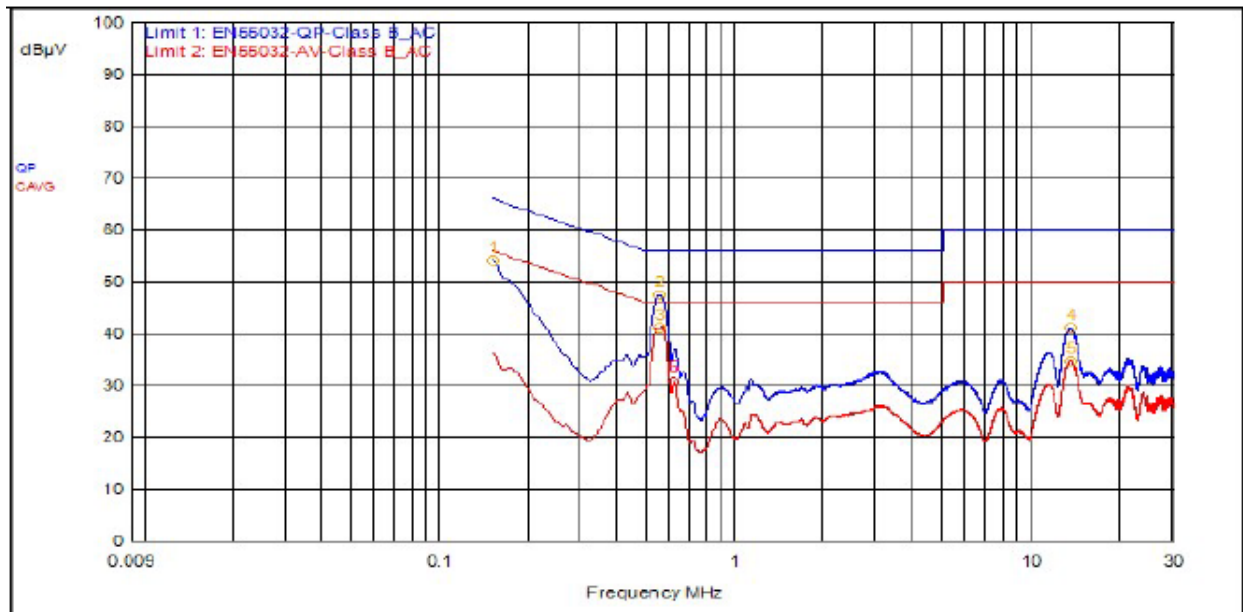
5.2 Conducted Emissions at Mains Ports Data

5.2.1 Line



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.
2	543,000kHz	9.5	0.1		QPeak	37.1	46.7	56.0	-9.3		
1	150,000kHz	9.5	0.0		QPeak	44.2	53.7	66.0	-12.3		
5	13.161MHz	9.6	0.3		QPeak	30.0	39.9	60.0	-20.1		
3	540,000kHz	9.5	0.1		C_AVG	30.8	40.5			46.0	-5.5
4	558,000kHz	9.5	0.1		C_AVG	31.0	40.7			46.0	-5.3
6	13.260MHz	9.6	0.3		C_AVG	23.6	33.5			50.0	-16.5

5.2.2 Neutral



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.
2	549,000kHz	9.5	0.1		QPeak	37.9	47.5	56.0	-8.5		
1	150,000kHz	9.5	0.0		QPeak	44.6	54.1	66.0	-11.9		
4	13.266MHz	9.6	0.3		QPeak	31.1	41.0	60.0	-19.0		
3	549,000kHz	9.5	0.1		C_AVG	31.5	41.2			46.0	-4.8
5	13.260MHz	9.6	0.3		C_AVG	24.9	34.8			50.0	-15.2
6	612,000kHz	9.5	0.2		C_AVG	21.0	30.7			46.0	-15.3

Result

The EUT complied with the specification limit.

5.3 §15.403(i) 26 dB Emissions Bandwidth

All chains were measured under the guidance of KDB 789033 Section II.C. and KDB 66291 D01. Please see associated annex for details on instrument settings.

5.3.1 UNII-2A

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5260	16.60	20.10
OFDM 20	5280	16.60	20.50
OFDM 20	5320	16.70	20.60

VHT 20	5260	17.80	21.00
VHT 20	5280	17.80	21.20
VHT 20	5320	17.70	21.00
VHT 40	5270	36.25	39.90
VHT 40	5310	36.25	39.75
VHT 80	5290	76.00	161.50
VHT 160	5250	155.00	166.00
HE 20	5260	19.20	21.30
HE 20	5280	19.10	21.10
HE 20	5320	19.10	22.20
HE 40	5270	37.75	40.35
HE 40	5310	37.75	40.35
HE 80	5290	77.50	82.50
HE 160	5250	157.00	167.00
HT 20	5260	17.90	20.90
HT 20	5280	17.80	21.90
HT 20	5320	17.90	20.80
HT 40	5270	36.25	39.60
HT 40	5310	36.25	39.45

5.3.2 UNII-2C

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5500	16.70	20.60
OFDM 20	5600	16.70	23.10
OFDM 20	5720	16.70	21.90
VHT 20	5500	17.90	20.80
VHT 20	5600	17.90	23.30
VHT 20	5720	17.90	21.80
VHT 40	5510	36.25	41.25
VHT 40	5590	36.25	44.25
VHT 40	5710	36.25	41.10
VHT 80	5530	75.50	83.50
VHT 80	5610	76.00	82.50
VHT 80	5690	76.50	84.00
VHT 160	5570	155.00	167.00
HE 20	5500	17.80	21.00
HE 20	5600	17.90	21.90
HE 20	5720	17.90	21.10

HE 40	5510	36.25	40.20
HE 40	5590	36.25	40.35
HE 40	5710	36.25	39.75
HE 80	5530	76.50	82.50
HE 80	5610	76.00	84.00
HE 80	5690	76.50	83.00
HE 160	5570	158.00	166.00
HT 20	5500	17.80	21.50
HT 20	5600	17.90	21.70
HT 20	5720	17.80	21.10
HT 40	5510	36.25	40.50
HT 40	5590	36.25	40.05
HT 40	5710	36.25	39.90

Result

The 26 dB bandwidths are reported for information purposes. Please see Annex for all bandwidth measurements.

5.4 §15.407(a)(2) Maximum Average Output Power

All chains were measured and summed under the guidance of KDB 789033 Section II. E.2. and KDB 66291 D01. Please see associated annex for details on instrument settings.

The maximum average RF conducted output power measured for this device was 23.99 dBm or 250 mW. The limit is 24 dBm or 250 mW when using antennas with 6 dBi or less gain. The antenna has a maximum gain of 5.8 dBi.

5.4.1 UNII-2A

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5260	Mcs0	37	23.86	10.12
OFDM 20	5280	Mcs0	37	23.87	10.27
OFDM 20	5320	Mcs0	37	23.79	10.23
HT 20	5260	Mcs0	37	23.59	8.74
HT 20	5280	Mcs0	37	23.57	8.56
HT 20	5320	Mcs0	37	23.46	8.51
HT 40	5270	Mcs0	37	23.97	5.97

HT 40	5310	Mcs0	37	23.88	5.81
VHT 20	5260	Mcs0	37	23.60	8.71
VHT 20	5280	Mcs0	37	23.57	8.57
VHT 20	5320	Mcs0	37	23.40	8.50
VHT 40	5270	Mcs0	37	23.91	5.94
VHT 40	5310	Mcs0	37	23.83	5.77
VHT80	5290	Mcs0	37	23.75	2.65
VHT160	5250	Mcs0	37	23.97	0.70
HE20	5260	Mcs0	37	23.99	8.94
HE20	5280	Mcs0	36	23.52	8.34
HE20	5320	Mcs0	37	23.90	8.66
HE40	5270	Mcs0	36	23.48	5.34
HE40	5310	Mcs0	37	23.98	5.73
HE80	5290	Mcs0	36	23.59	2.80
HE160	5250	Mcs0	36	23.64	0.29

5.4.2 UNII-2C

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM20	5500	Mcs0	38	23.61	29.41
OFDM20	5600	Mcs0	38	23.58	29.38
OFDM20	5720	Mcs0	38	23.80	29.60
HT20	5500	Mcs0	39	23.85	29.65
HT20	5600	Mcs0	39	23.90	29.70
HT20	5720	Mcs0	38	23.62	29.42
HT40	5510	Mcs0	38	23.92	29.72
HT40	5590	Mcs0	38	23.90	29.70
HT40	5710	Mcs0	38	23.97	29.77
VHT20	5500	Mcs0	39	23.95	29.75
VHT20	5600	Mcs0	39	23.88	29.68

VHT20	5720	Mcs0	38	23.63	29.43
VHT40	5510	Mcs0	38	23.87	29.67
VHT40	5590	Mcs0	38	23.87	29.67
VHT40	5710	Mcs0	38	23.97	29.77
VHT80	5530	Mcs0	38	23.66	29.46
VHT80	5610	Mcs0	38	23.68	29.48
VHT80	5690	Mcs0	38	23.80	29.60
VHT160	5570	Mcs0	37	23.54	29.34
HE20	5500	Mcs0	39	23.84	29.64
HE20	5600	Mcs0	39	23.93	29.73
HE20	5720	Mcs0	38	23.60	29.40
HE40	5510	Mcs0	38	23.80	29.60
HE40	5590	Mcs0	38	23.89	29.69
HE40	5710	Mcs0	38	23.96	29.76
HE80	5530	Mcs0	38	23.60	29.40
HE80	5610	Mcs0	38	23.64	29.44
HE80	5690	Mcs0	38	23.80	29.60
HE160	5570	Mcs0	37	23.68	29.48

Result

In the configuration tested, the maximum average RF output power was less than 1 watt; therefore, the EUT complied with the requirements of the specification.

5.5 §15.407(b) Spurious Emissions

5.5.1 Conducted Spurious Emissions

The frequency range is from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental frequency was investigated to measure any antenna-conducted emissions. The graphs show the measurement data from spurious emissions noted across the frequency range when transmitting at the lowest, middle and upper frequencies. Shown below are plots with the EUT turned to the upper and lower channels with the antenna gain of 5.8 dBi accounted for. These demonstrate compliance with the provisions of this section at the band edges.

The emissions must be below -27 dBm EIRP.

Result

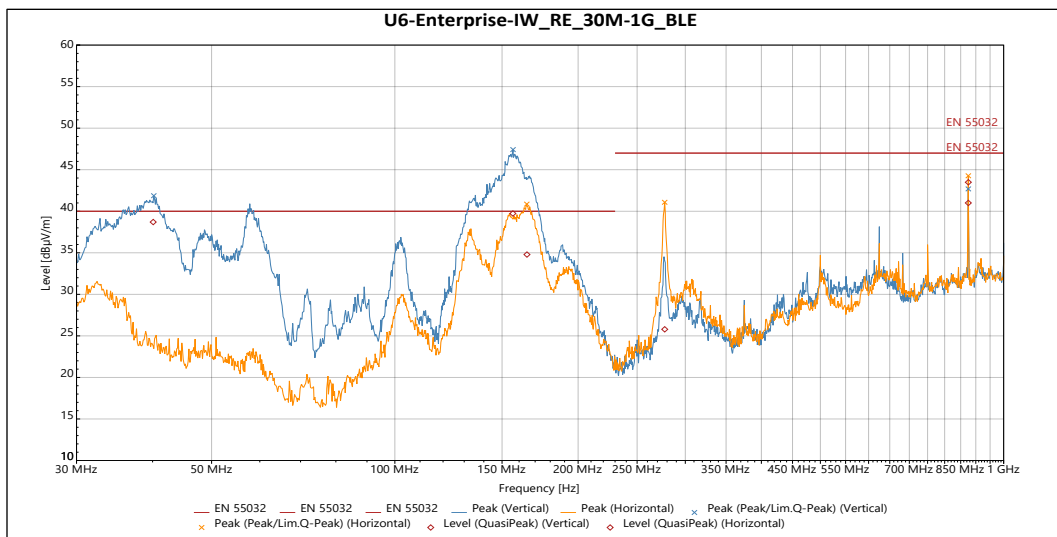
Conducted spurious emissions were below -27 dBm; therefore, the EUT complies with the specification. See Annex for results.

5.5.2 Radiated Spurious Emissions in the Restricted Bands of § 15.205

The frequency range is from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental emissions was investigated to measure any radiated emissions in the restricted bands. For frequencies above 18.0 GHz. The emissions in the restricted bans must meet the limits specified in § 15.209. Conducted measurement results are included in the Annex. Radiated data with the EUT transmitting into a load is included below. All emissions between the required frequencies were investigated, the following plots represent the worst case. The “fail” is the transmitted signal exceeding the spurious limit.

Correction Factor = Antenna Factor + Cable Loss - Pre-Amplifier Gain, and is added to the Receiver reading.

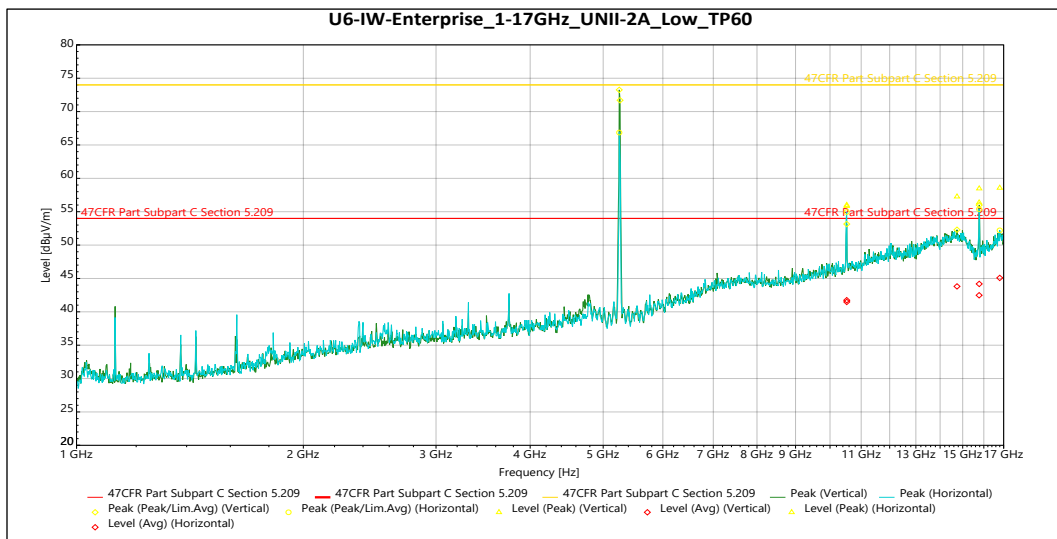
5.5.3 UNII-2A



QuasiPeak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
40.093 MHz	38.695	40	-1.305	323	1.134	Vertical	-6.283
156.27 MHz	39.728	40	-0.272	183	1	Vertical	-12.25
875 MHz	41.003	47	-5.997	207	1.858	Vertical	2.897
164.82 MHz	34.788	40	-5.212	186	2.602	Horizontal	-11.693
277.52 MHz	25.79	47	-21.21	66	3.292	Horizontal	-7.248
875.02 MHz	43.49	47	-3.51	97	2.246	Horizontal	2.897

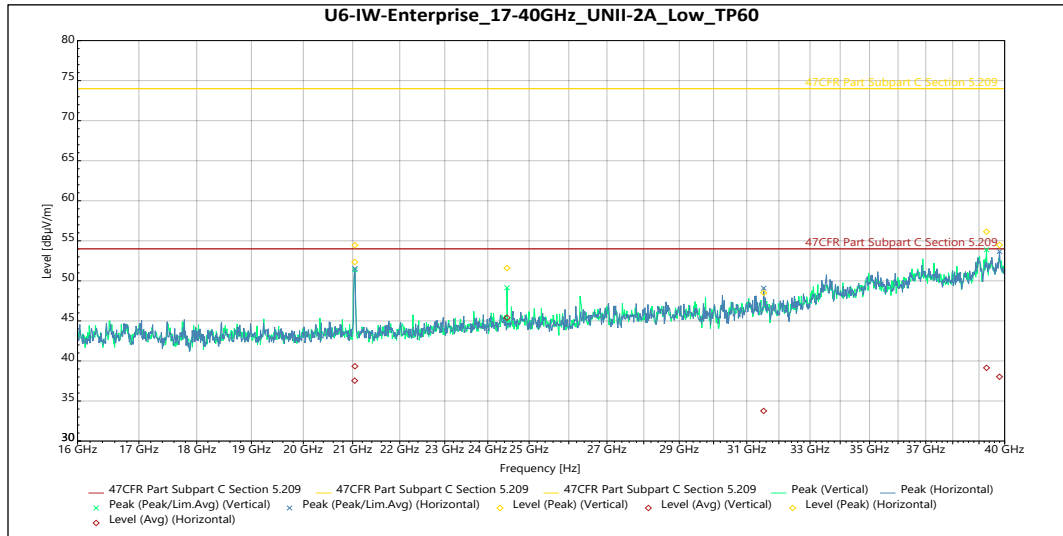
Graph 1: Radiated Emissions 30 MHz – 1 GHz



Frequency	SR #	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Meas. Time (s)	RBW	Correction (dB)
10.525 GHz	Peak	55.997	74	-18.003	35	2.02	Vertical	5	1000000	10.176
14.742 GHz	Peak	57.256	74	-16.744	96	2.957	Vertical	5	1000000	14.714
15.777 GHz	Peak	58.47	74	-15.53	8	1.5	Vertical	5	1000000	12.184
10.525 GHz	AVG	41.736	54	-12.264	35	2.02	Vertical	5	1000000	10.176
14.742 GHz	AVG	43.81	54	-10.19	96	2.957	Vertical	5	1000000	14.714
15.777 GHz	AVG	44.179	54	-9.821	8	1.5	Vertical	5	1000000	12.184
10.525 GHz	Peak	55.844	74	-18.156	354	3.631	Horizontal	5	1000000	10.176
15.773 GHz	Peak	56.368	74	-17.632	359	1.523	Horizontal	5	1000000	12.177

Frequency	SR #	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Meas. Time (s)	RBW	Correction (dB)
16.799 GHz	Peak	58.568	74	-15.432	287	1.636	Horizontal	5	1000000	16.952
10.525 GHz	AVG	41.48	54	-12.52	354	3.631	Horizontal	5	1000000	10.176
15.773 GHz	AVG	42.482	54	-11.518	359	1.523	Horizontal	5	1000000	12.177
16.799 GHz	AVG	45.084	54	-8.916	287	1.636	Horizontal	5	1000000	16.952

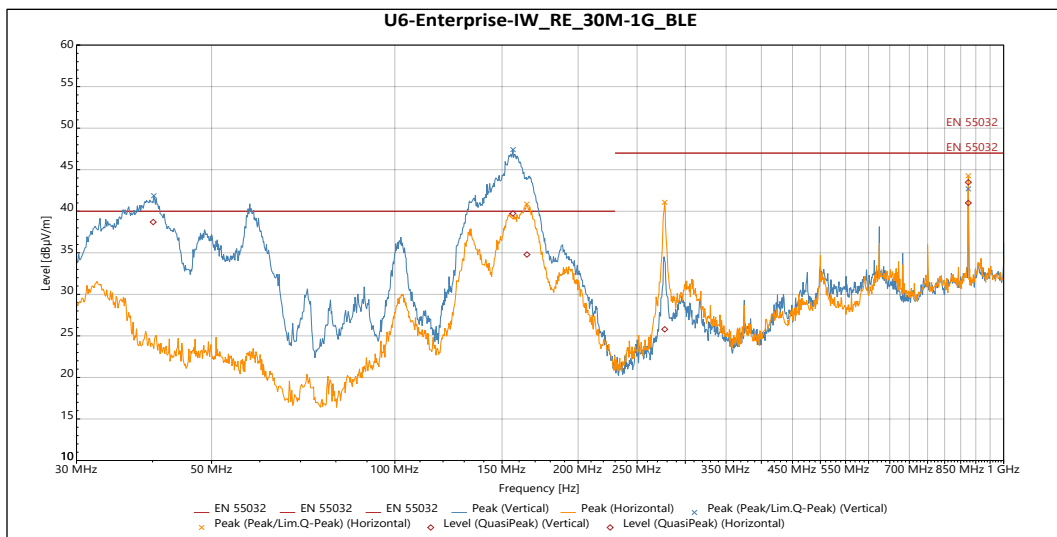
Graph 2: Radiated Emissions 1 GHz – 16 GHz Mid Frequency (worst-case)



Frequency	SR #	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Meas. Time (s)	RBW	Correction (dB)
21.042 GHz	Peak	52.346	74	-21.654	18	Vertical	5	1000000	-5.456
24.46 GHz	Peak	51.586	74	-22.414	58	Vertical	5	1000000	-5.414
39.291 GHz	Peak	56.135	74	-17.865	127	Vertical	5	1000000	3.214
21.042 GHz	AVG	37.544	54	-16.456	18	Vertical	5	1000000	-5.456
24.46 GHz	AVG	45.401	54	-8.599	58	Vertical	5	1000000	-5.414
39.291 GHz	AVG	39.139	54	-14.861	127	Vertical	5	1000000	3.214
21.047 GHz	Peak	54.446	74	-19.554	40	Horizontal	5	1000000	-5.469
31.523 GHz	Peak	48.505	74	-25.495	334	Horizontal	5	1000000	-0.113
39.797 GHz	Peak	54.469	74	-19.531	255	Horizontal	5	1000000	3.464
21.047 GHz	AVG	39.339	54	-14.661	40	Horizontal	5	1000000	-5.469
31.523 GHz	AVG	33.761	54	-20.239	334	Horizontal	5	1000000	-0.113
39.797 GHz	AVG	38.034	54	-15.966	255	Horizontal	5	1000000	3.464

Graph 3: Radiated Emissions 16 GHz – 40 GHz Low Frequency (worst-case)

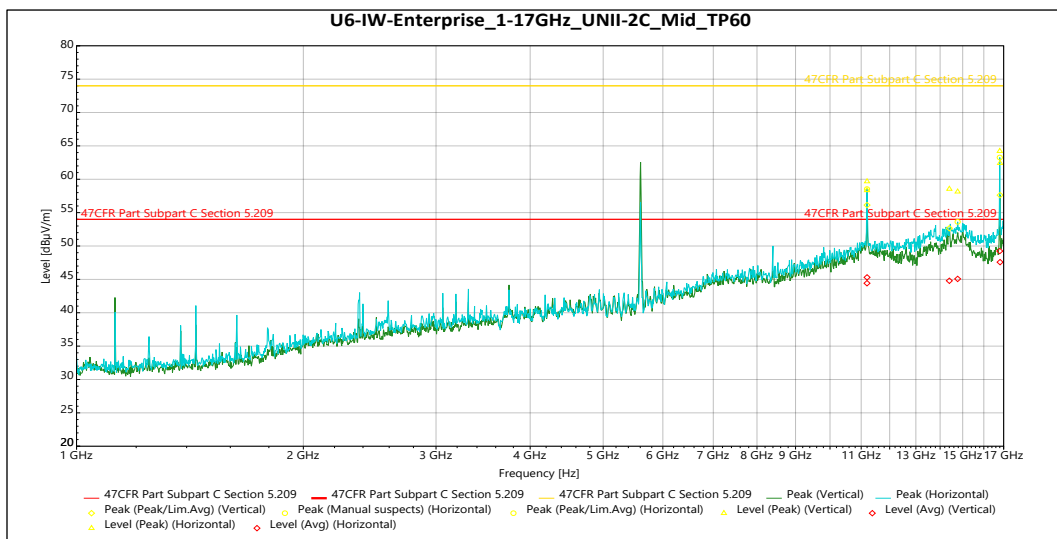
5.5.4 UNII-2C



QuasiPeak

Frequency	Level (dBuV/m)	Limit (dBuV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
40.093 MHz	38.695	40	-1.305	323	1.134	Vertical	-6.283
156.27 MHz	39.728	40	-0.272	183	1	Vertical	-12.25
875 MHz	41.003	47	-5.997	207	1.858	Vertical	2.897
164.82 MHz	34.788	40	-5.212	186	2.602	Horizontal	-11.693
277.52 MHz	25.79	47	-21.21	66	3.292	Horizontal	-7.248
875.02 MHz	43.49	47	-3.51	97	2.246	Horizontal	2.897

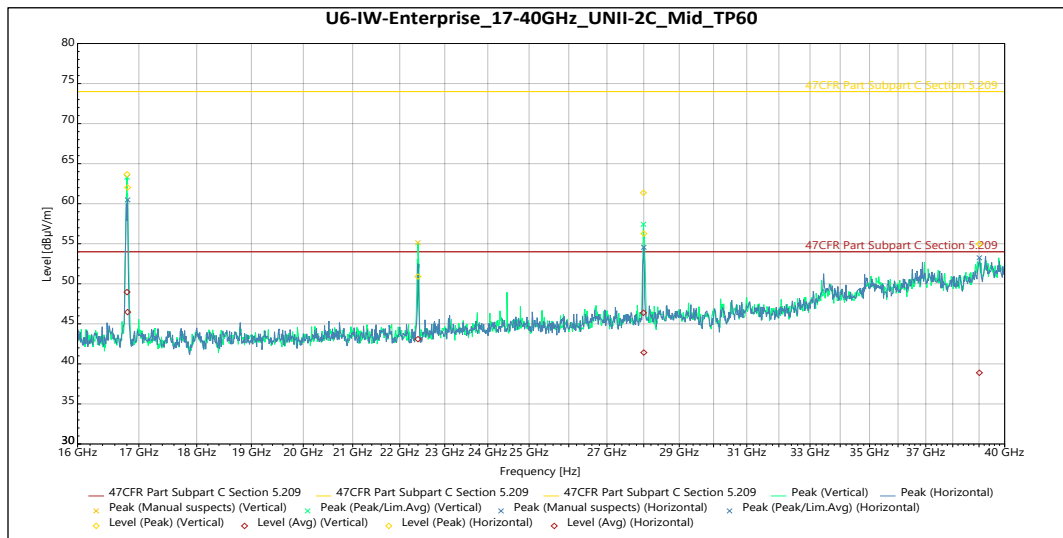
Graph 4: Radiated Emissions 30 MHz – 1 GHz



Frequency	SR #	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Meas. Time (s)	RBW	Correction (dB)
11.199 GHz	Peak	59.673	74	-14.327	37	3.101	Vertical	5	1000000	13.577
14.401 GHz	Peak	58.553	74	-15.447	313	2.045	Vertical	5	1000000	15.956
16.815 GHz	Peak	62.424	74	-11.576	16	1.634	Vertical	5	1000000	17.654
11.199 GHz	AVG	45.304	54	-8.696	37	3.101	Vertical	5	1000000	13.577
14.401 GHz	AVG	44.787	54	-9.213	313	2.045	Vertical	5	1000000	15.956
16.815 GHz	AVG	47.583	54	-6.417	16	1.634	Vertical	5	1000000	17.654
11.197 GHz	Peak	58.345	74	-15.655	356	1.638	Horizontal	5	1000000	13.586
14.771 GHz	Peak	58.135	74	-15.865	315	2.35	Horizontal	5	1000000	15.909

Frequency	SR #	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Meas. Time (s)	RBW	Correction (dB)
16.8 GHz	Peak	64.215	74	-9.785	309	1.632	Horizontal	5	1000000	17.6
11.197 GHz	AVG	44.423	54	-9.577	356	1.638	Horizontal	5	1000000	13.586
14.771 GHz	AVG	45.066	54	-8.934	315	2.35	Horizontal	5	1000000	15.909
16.8 GHz	AVG	49.242	54	-4.758	309	1.632	Horizontal	5	1000000	17.6

Graph 5: Radiated Emissions 1 GHz – 16 GHz Mid Frequency (worst-case)



Frequency	SR #	Level (dBμV/m)	Limit (dBμV/m) (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Meas. Time (s)	RBW	Correction (dB)
16.802 GHz	Peak	63.663	74	-10.337	8	Vertical	5	1000000	-5.025
22.4 GHz	Peak	50.9	74	-23.1	16	Vertical	5	1000000	-5.674
27.992 GHz	Peak	61.363	74	-12.637	327	Vertical	5	1000000	-5.265
16.802 GHz	AVG	48.965	54	-5.035	8	Vertical	5	1000000	-5.025
22.4 GHz	AVG	43.09	54	-10.91	16	Vertical	5	1000000	-5.674
27.992 GHz	AVG	46.385	54	-7.615	327	Vertical	5	1000000	-5.265
16.812 GHz	Peak	62.031	74	-11.969	355	Horizontal	5	1000000	-5.024
28.002 GHz	Peak	56.26	74	-17.74	359	Horizontal	5	1000000	-5.221
39.014 GHz	Peak	54.956	74	-19.044	175	Horizontal	5	1000000	3.372
16.812 GHz	AVG	46.466	54	-7.534	355	Horizontal	5	1000000	-5.024
28.002 GHz	AVG	41.424	54	-12.576	359	Horizontal	5	1000000	-5.221
39.014 GHz	AVG	38.892	54	-15.108	175	Horizontal	5	1000000	3.372

Graph 6: Radiated Emissions 16 GHz – 40 GHz on Mid Frequency (worst-case)

5.6 §15.407(a) Maximum Power Spectral Density

All chains were measured and summed under the guidance of KDB 789033 Section II. F. and KDB 66291 D01. Please see associated annex for details on instrument settings.

The maximum average power spectral density conducted from the intentional radiator of the antenna shall not be greater than 11 dBm in any 1 MHz band during any time interval of continuous transmission. Results of this testing are summarized. With a 5.8 dBi antenna, the conducted limit for power spectral density is 11 dBm. As per KDB 662911, When the EUT is using spatial-multiplexing in HT to HE modes, there is not additional array gain to accommodate. When the EUT uses Nss=1 data rates, the antenna gain is 5.8 dBi + Array gain of 6.02 dB which is a total of 11.82 dBi
Results of this testing are summarized.

5.6.1 UNII-2A

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5260	Mcs0_Nss4	37	23.86	10.12
OFDM 20	5280	Mcs0_Nss4	37	23.87	10.27
OFDM 20	5320	Mcs0_Nss4	37	23.79	10.23
HT 20	5260	Mcs0_Nss4	37	23.59	8.74
HT 20	5280	Mcs0_Nss4	37	23.57	8.56
HT 20	5320	Mcs0_Nss4	37	23.46	8.51
HT 40	5270	Mcs0_Nss4	37	23.97	5.97
HT 40	5310	Mcs0_Nss4	37	23.88	5.81
VHT 20	5260	Mcs0_Nss4	37	23.60	8.71
VHT 20	5280	Mcs0_Nss4	37	23.57	8.57
VHT 20	5320	Mcs0_Nss4	37	23.40	8.50
VHT 40	5270	Mcs0_Nss4	37	23.91	5.94
VHT 40	5310	Mcs0_Nss4	37	23.83	5.77
VHT80	5290	Mcs0_Nss4	37	23.75	2.65
VHT160	5250	Mcs0_Nss4	37	23.97	0.70
HE20	5260	Mcs0_Nss4	37	23.99	8.94
HE20	5280	Mcs0_Nss4	36	23.52	8.34
HE20	5320	Mcs0_Nss4	37	23.90	8.66
HE40	5270	Mcs0_Nss4	36	23.48	5.34
HE40	5310	Mcs0_Nss4	37	23.98	5.73
HE80	5290	Mcs0_Nss4	36	23.59	2.80
HE160	5250	Mcs0_Nss4	36	23.64	0.29

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5260	Mcs0_Nss1	37	23.86	10.12

OFDM 20	5280	Mcs0_Nss1	37	23.87	10.27
OFDM 20	5320	Mcs0_Nss1	37	23.79	10.23
HT 20	5260	Mcs0_Nss1	37	23.59	8.74
HT 20	5280	Mcs0_Nss1	37	23.57	8.56
HT 20	5320	Mcs0_Nss1	37	23.46	8.51
HT 40	5270	Mcs0_Nss1	37	23.97	5.97
HT 40	5310	Mcs0_Nss1	37	23.88	5.81
VHT 20	5260	Mcs0_Nss1	37	23.60	8.71
VHT 20	5280	Mcs0_Nss1	37	23.57	8.57
VHT 20	5320	Mcs0_Nss1	37	23.40	8.50
VHT 40	5270	Mcs0_Nss1	37	23.91	5.94
VHT 40	5310	Mcs0_Nss1	37	23.83	5.77
VHT80	5290	Mcs0_Nss1	37	23.75	2.65
VHT160	5250	Mcs0_Nss1	37	23.97	0.70
HE20	5260	Mcs0_Nss1	37	23.99	8.94
HE20	5280	Mcs0_Nss1	36	23.52	8.34
HE20	5320	Mcs0_Nss1	37	23.90	8.66
HE40	5270	Mcs0_Nss1	36	23.48	5.34
HE40	5310	Mcs0_Nss1	37	23.98	5.73
HE80	5290	Mcs0_Nss1	36	23.59	2.80
HE160	5250	Mcs0_Nss1	36	23.64	0.29

5.6.2 UNII-2C

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM20	5500	Mcs0_Nss4	38	23.61	29.41
OFDM20	5600	Mcs0_Nss4	38	23.58	29.38
OFDM20	5720	Mcs0_Nss4	38	23.80	29.60
HT20	5500	Mcs0_Nss4	39	23.85	29.65
HT20	5600	Mcs0_Nss4	39	23.90	29.70

HT20	5720	Mcs0_Nss4	38	23.62	29.42
HT40	5510	Mcs0_Nss4	38	23.92	29.72
HT40	5590	Mcs0_Nss4	38	23.90	29.70
HT40	5710	Mcs0_Nss4	38	23.97	29.77
VHT20	5500	Mcs0_Nss4	39	23.95	29.75
VHT20	5600	Mcs0_Nss4	39	23.88	29.68
VHT20	5720	Mcs0_Nss4	38	23.63	29.43
VHT40	5510	Mcs0_Nss4	38	23.87	29.67
VHT40	5590	Mcs0_Nss4	38	23.87	29.67
VHT40	5710	Mcs0_Nss4	38	23.97	29.77
VHT80	5530	Mcs0_Nss4	38	23.66	29.46
VHT80	5610	Mcs0_Nss4	38	23.68	29.48
VHT80	5690	Mcs0_Nss4	38	23.80	29.60
VHT160	5570	Mcs0_Nss4	37	23.54	29.34
HE20	5500	Mcs0_Nss4	39	23.84	29.64
HE20	5600	Mcs0_Nss4	39	23.93	29.73
HE20	5720	Mcs0_Nss4	38	23.60	29.40
HE40	5510	Mcs0_Nss4	38	23.80	29.60
HE40	5590	Mcs0_Nss4	38	23.89	29.69
HE40	5710	Mcs0_Nss4	38	23.96	29.76
HE80	5530	Mcs0_Nss4	38	23.60	29.40
HE80	5610	Mcs0_Nss4	38	23.64	29.44
HE80	5690	Mcs0_Nss4	38	23.80	29.60
HE160	5570	Mcs0_Nss4	37	23.68	29.48

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM20	5500	Mcs0_Nss1	38	23.61	29.41
OFDM20	5600	Mcs0_Nss1	38	23.58	29.38
OFDM20	5720	Mcs0_Nss1	38	23.80	29.60
HT20	5500	Mcs0_Nss1	39	23.85	29.65

HT20	5600	Mcs0_Nss1	39	23.90	29.70
HT20	5720	Mcs0_Nss1	38	23.62	29.42
HT40	5510	Mcs0_Nss1	38	23.92	29.72
HT40	5590	Mcs0_Nss1	38	23.90	29.70
HT40	5710	Mcs0_Nss1	38	23.97	29.77
VHT20	5500	Mcs0_Nss1	39	23.95	29.75
VHT20	5600	Mcs0_Nss1	39	23.88	29.68
VHT20	5720	Mcs0_Nss1	38	23.63	29.43
VHT40	5510	Mcs0_Nss1	38	23.87	29.67
VHT40	5590	Mcs0_Nss1	38	23.87	29.67
VHT40	5710	Mcs0_Nss1	38	23.97	29.77
VHT80	5530	Mcs0_Nss1	38	23.66	29.46
VHT80	5610	Mcs0_Nss1	38	23.68	29.48
VHT80	5690	Mcs0_Nss1	38	23.80	29.60
VHT160	5570	Mcs0_Nss1	37	23.54	29.34
HE20	5500	Mcs0_Nss1	39	23.84	29.64
HE20	5600	Mcs0_Nss1	39	23.93	29.73
HE20	5720	Mcs0_Nss1	38	23.60	29.40
HE40	5510	Mcs0_Nss1	38	23.80	29.60
HE40	5590	Mcs0_Nss1	38	23.89	29.69
HE40	5710	Mcs0_Nss1	38	23.96	29.76
HE80	5530	Mcs0_Nss1	38	23.60	29.40
HE80	5610	Mcs0_Nss1	38	23.64	29.44
HE80	5690	Mcs0_Nss1	38	23.80	29.60
HE160	5570	Mcs0_Nss1	37	23.68	29.48

Result

The maximum average power spectral density was less than the limit of 8 dBm; therefore, the EUT complies with the specification.

5.7 DFS Requirement

This product is a master with radar detection. The outcome of the required DFS tests is located in the DFS Annex. DFS testing was performed following the test procedures as outlined in KDB 905462.

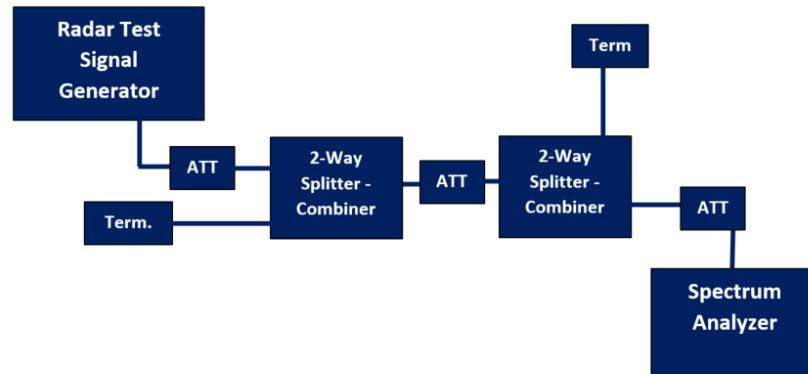
The product passes all required DFS tests for a master with radar detection.

Information	Status	
Possible Antenna/s	5.8 dBi integral	
Antenna used for test	5.8 dBi integral	
Operating mode	Master	
Port used for testing	FJ1	
EIRP range	< 200 mW	
Impedance of port	50 ohms	
Channel loading technique	Data transfer was enacted to achieve a minimum channel loading of approximately 17%	
Antenna measurement technique	See note 1	
Time of power-on cycle	58s	
Detection threshold level	-62 dBm	

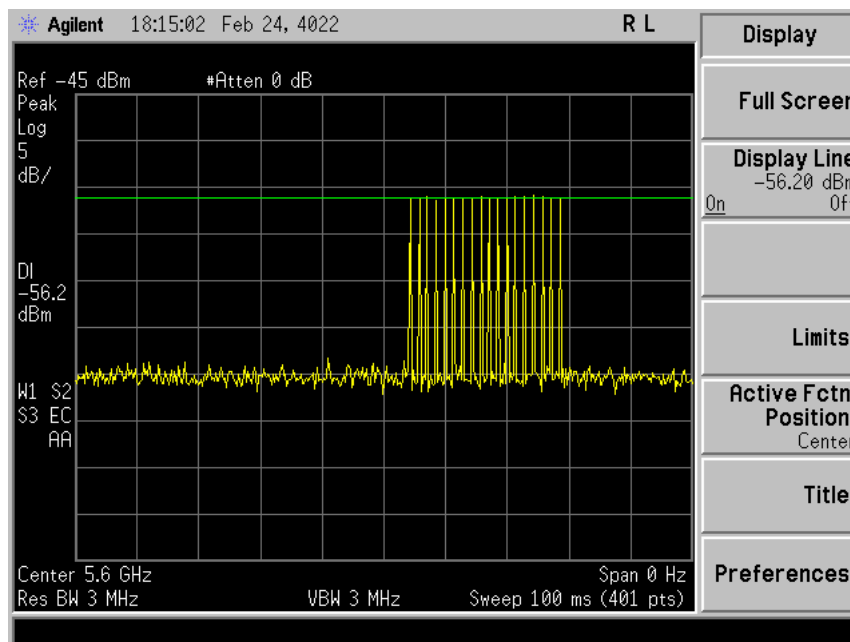
Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
<i>Non-Occupancy Period</i>	Yes	Not Required	Yes
<i>DFS Detection Threshold</i>	Yes	Not Required	Yes
<i>Channel Availability Check Time</i>	Yes	Not Required	Not Required
<i>U-NII Detection Bandwidth</i>	Yes	Not Required	Yes

Requirement	Operational Mode	
	Master or Client Device Without Radar Detection	Client Without Radar Detection
<i>DFS Detection Threshold</i>	Yes	Not Required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not Required

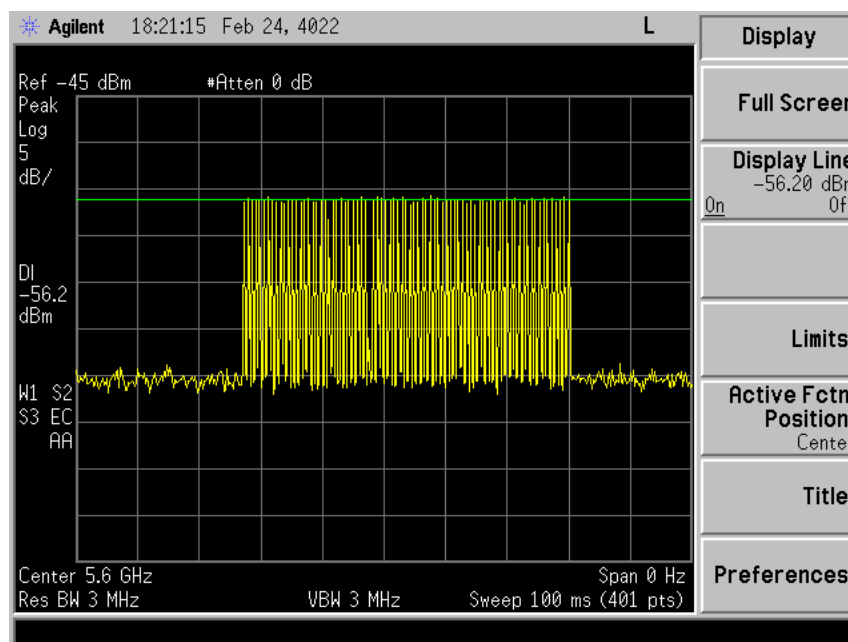
5.7.1 DFS Threshold Level



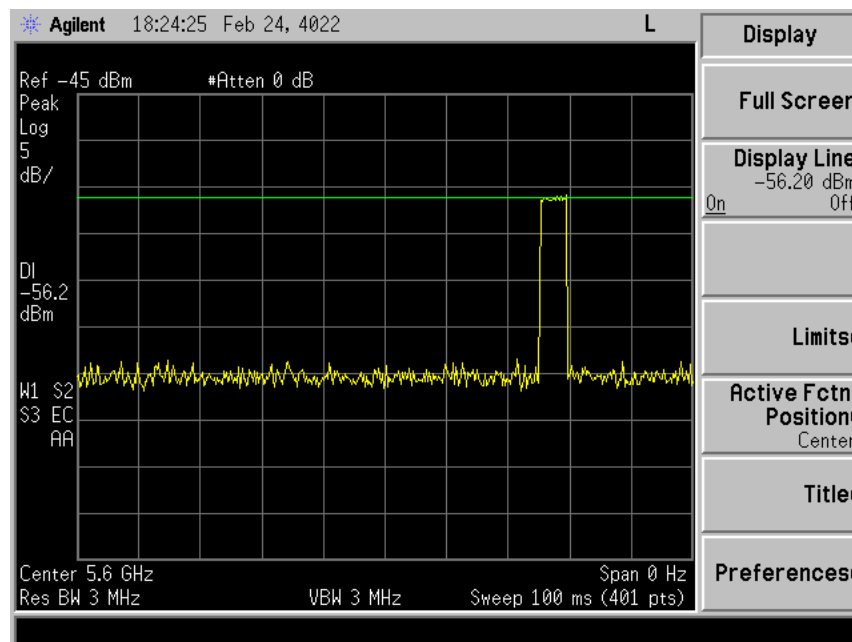
Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming 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. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	



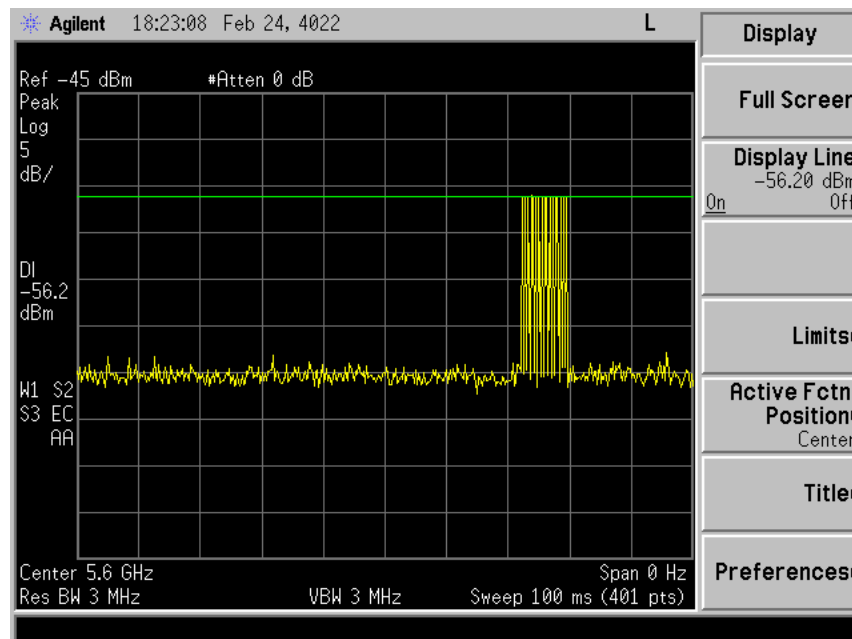
Plot 1: Radar Level 0



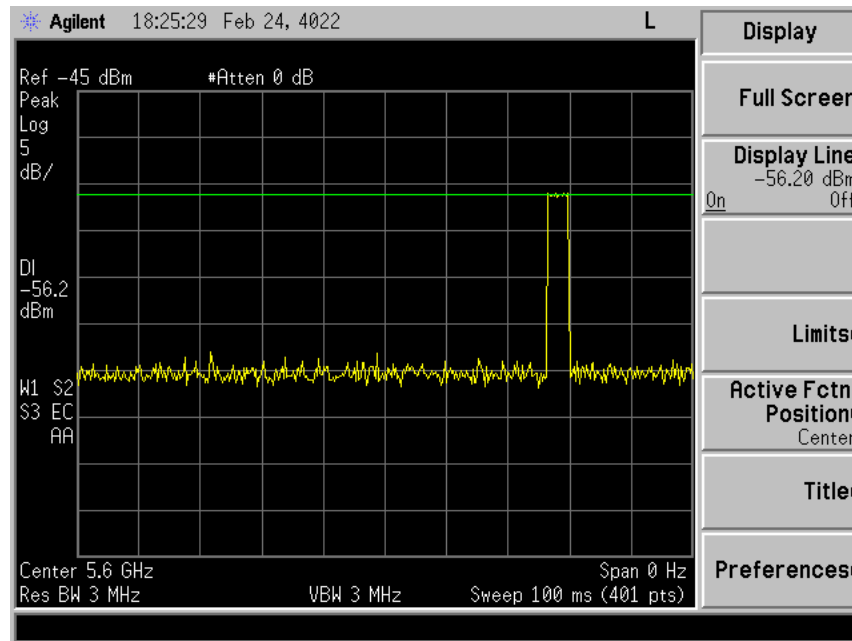
Plot 2: Radar Level 1



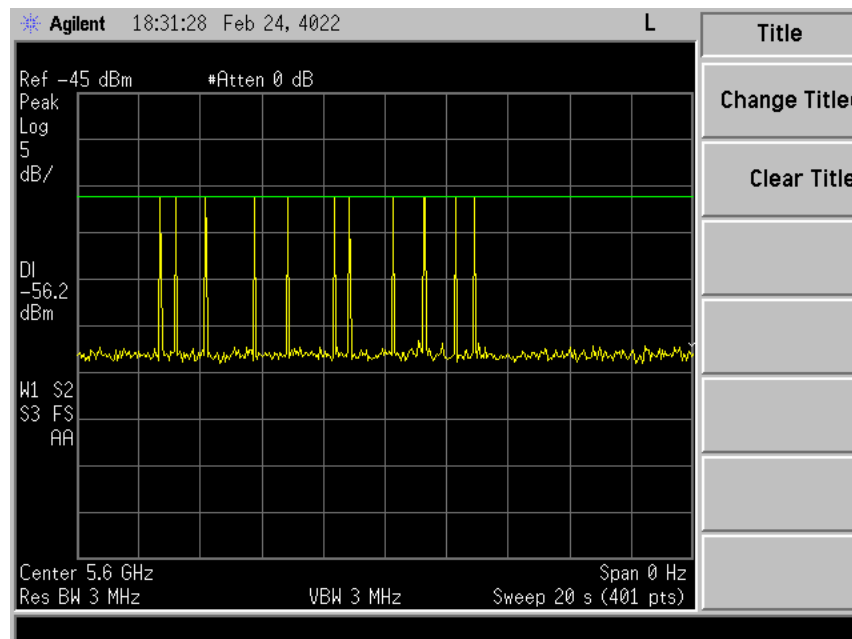
Plot 3: Radar Level 2



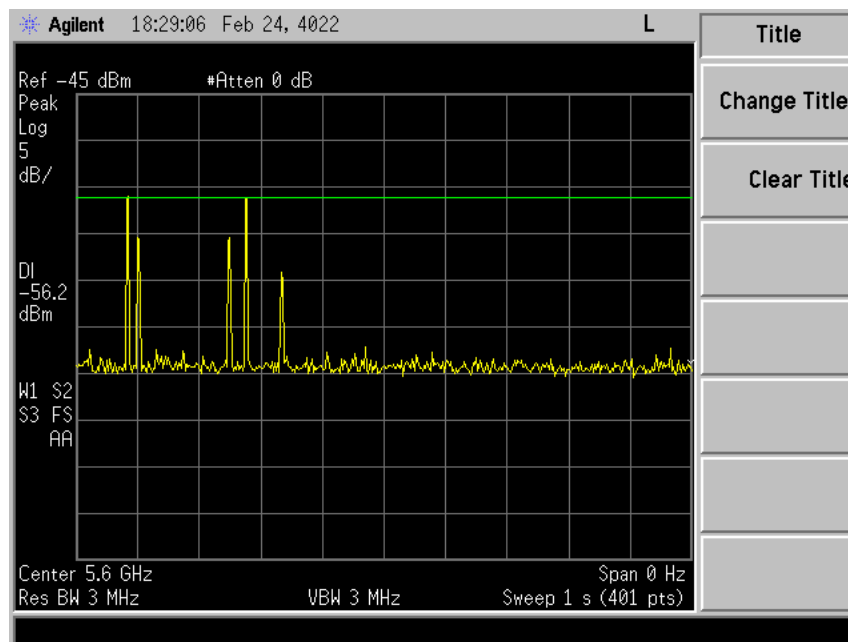
Plot 4: Radar Level 3



Plot 5: Radar Level 4



Plot 6: Radar Level 5



Plot 7: Radar Level 6

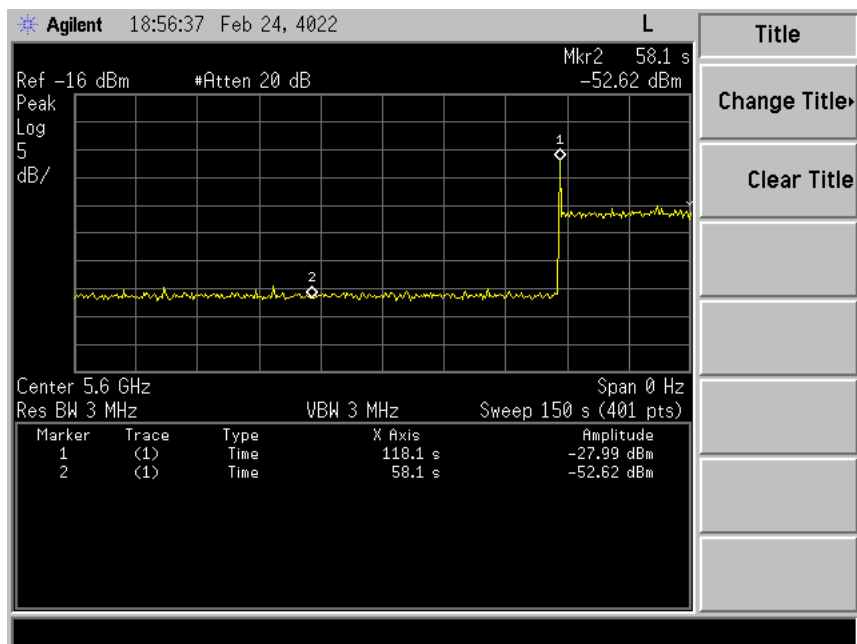
5.7.2 Channel Availability Check (CAC)

The EUT shall perform a CAC to ensure that there is no radar operating on the channel. After the power-up sequence, at-least 1 minute shall be monitored on the intended operating frequency. For initial CAC, the EUT does not emit beacon, control, or data signals on the test channel until the power-up sequence has been completed and the UNII device checks for radar waveforms for one minute on the test channel. This test does not use any radar waveforms. The markers in the associated plots within the annex indicate initial beacons.

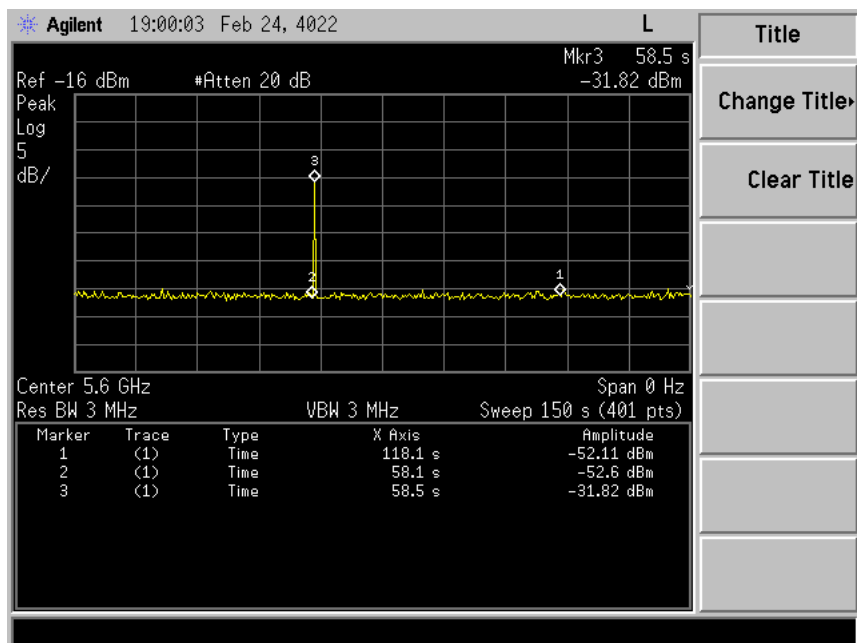
For radar burst at the beginning of the CAC. To verify successful radar detection on the selected channel during a period equal to the beginning of the CAC time, visual indication on the EUT of successful detection of the radar burst will be recorded and reported. Observation of the radar burst is show on the associated plot to be within the beginning of the CAC time. Emissions will continue to be monitored for the remaining 300 seconds.

For radar burst at the end of the CAC. To verify successful radar detection on the selected channel during a period equal to the end of the CAC time, visual indication on the EUT of successful detection of the radar burst will be recorded and reported. Observation of the radar burst is show on the associated plot to be within the end of the CAC time. Emissions will continue to be monitored for the remaining 300 seconds.

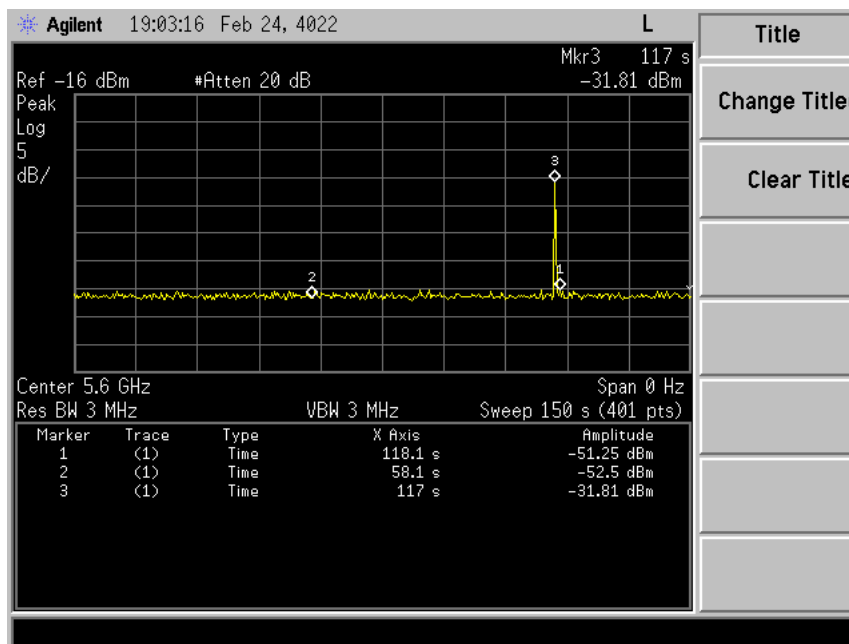
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the channel within the channel closing transmission time and channel move time, and does not transmit on a channel during the non-occupancy period after the detection and channel move.



Plot 8: 5570 MHz



Plot 9: Beginning



Plot 10: End

5.7.3 In-service Monitoring

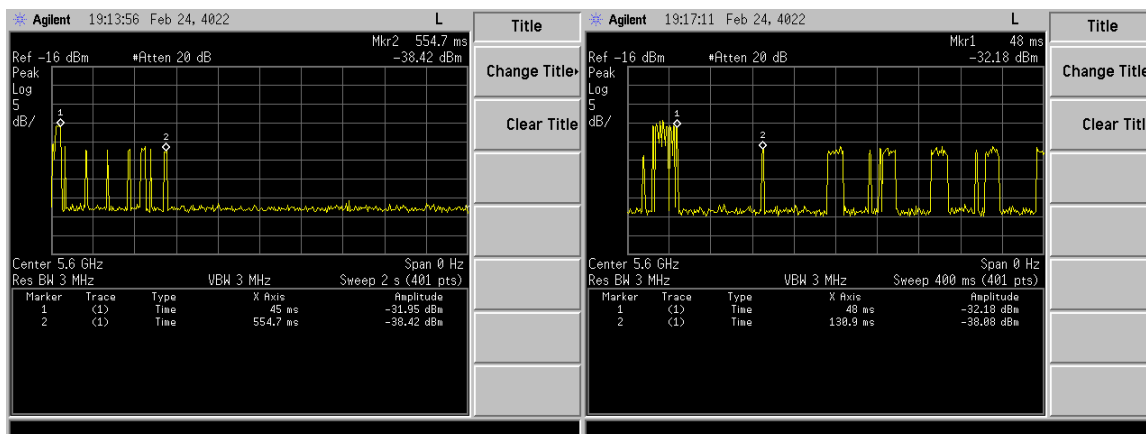
Channel Move Time	10 seconds
Channel Closing Transmission Time	200 ms + aggregate of 60 ms over remaining 10 second period
Non-occupancy period	Minimum 30 minutes

Verified during in-service monitoring: channel closing transmission time and channel move time. The transmissions were observed at the end of the radar burst on the operating channel for a duration of greater than 10 seconds. The transmissions were measured and recorded during the observation time. This was compared to the channel move time and channel closing time limits. One 12 second plot is reported for the short pulse radar type 0. A 60 ms plot is also provided to verify closing time for the aggregate transmission time starting from 200 ms after the end of the radar signal to the completion of the channel move.

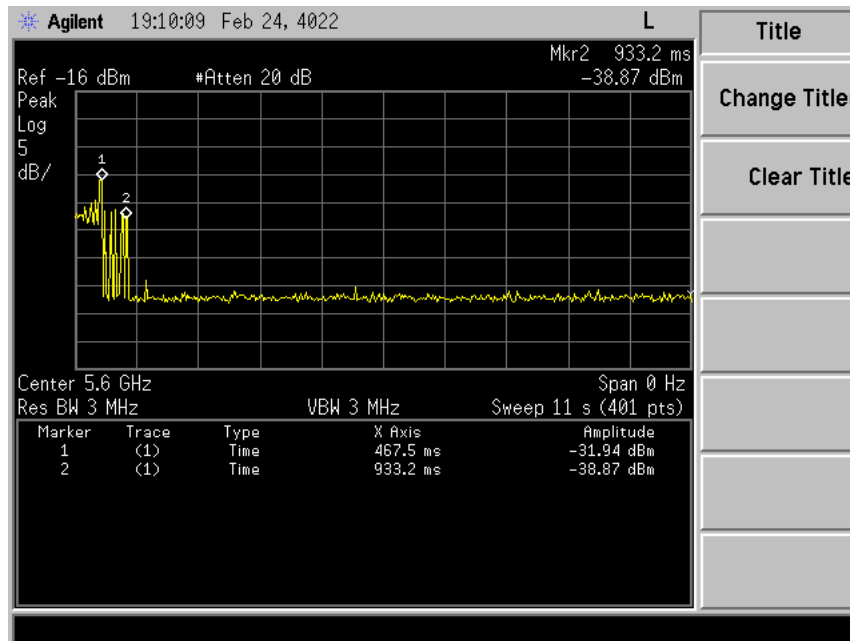
During the 30 minutes observation time, the EUT did not make any transmissions on a channel after a radar signal was detected.

Please see plots within the annex.

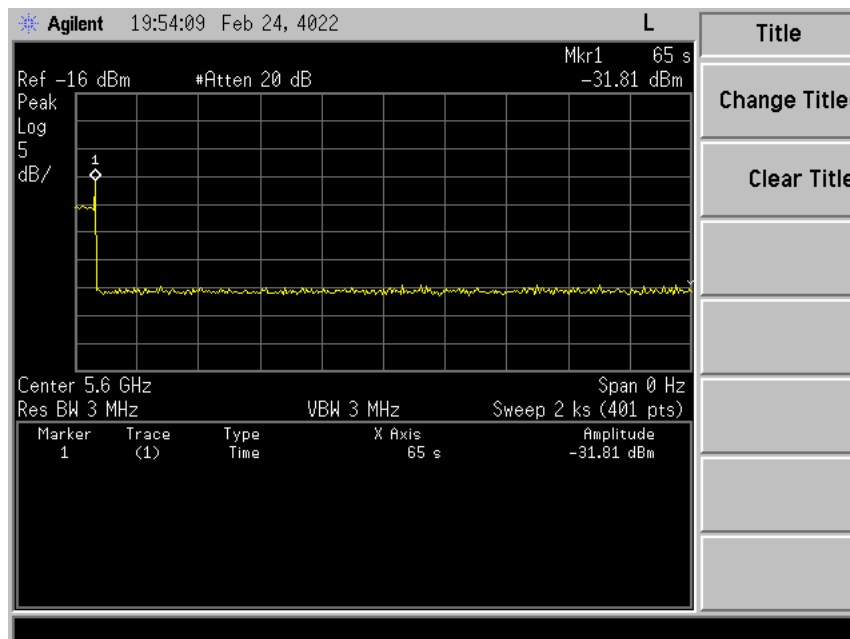
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the channel within the channel closing transmission time and channel move time, and does not transmit on a channel during the non-occupancy period after the detection and channel move.



Plot 11: Close (2s left, 400ms right)



Plot 12: Move



Plot 13: Non-Occupancy

5.7.4 DFS Detection Bandwidth

EUT Frequency = 5600 MHz ; Bandwidth = 20 MHz												
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %	
	Trials											
	1	2	3	4	5	6	7	8	9	10		
F_Low 5590	1	1	1	1	1	1	1	1	1	1	100	
5591												
5592												
5593												
5594												
5595	1	1	1	1	1	1	1	1	1	1	100	
5596												
5597												
5598												
5599												
5600	1	1	1	1	1	1	1	1	1	1	100	
5601												
5602												
5603												
5604												
5605	1	1	1	1	1	1	1	1	1	1	100	
5606												
5607												
5608												
5609												
F_High 5610	1	1	1	1	1	1	1	1	1	1	100	
Total Detection Percentage											100	
Detection Bandwidth = FH-FL = 5590 MHz - 5610 MHz = 20 MHz												
99% Bandwidth = 19.8 MHz												

EUT Frequency = 5590 MHz ; Bandwidth = 40 MHz											
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %
	Trials										
	1	2	3	4	5	6	7	8	9	10	
F_Low 5570	1	1	1	1	1	1	1	1	1	1	100
5571											
5572											
5573											
5574											
5575	1	1	1	1	1	1	1	1	1	1	100
5576											
5577											
5578											
5579											
5580	1	1	1	1	1	1	1	1	1	1	100
5581											
5582											
5583											
5584											
5585	1	1	1	1	1	1	1	1	1	1	100
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100
5596											
5597											
5598											
5599											
5600	1	1	1	1	1	1	1	1	1	1	100
5601											
5602											
5603											
5604											
5605	1	1	1	1	1	1	1	1	1	1	100

5606												
5607												
5608												
5609												
F_High 5610	1	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage												100
Detection Bandwidth = FH-FL = 5570 MHz - 5610 MHz = 40 MHz												
99% Bandwidth = 39.6 MHz												

EUT Frequency = 5610 MHz ; Bandwidth = 80 MHz												
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %	
	Trials											
	1	2	3	4	5	6	7	8	9	10		
F_Low 5570	1	1	1	1	1	1	1	1	1	1	100	
5571												
5572												
5573												
5574												
5575	1	1	1	1	1	1	1	1	1	1	100	
5576												
5577												
5578												
5579												
5580	1	1	1	1	1	1	1	1	1	1	100	
5581												
5582												
5583												
5584												
5585	1	1	1	1	1	1	1	1	1	1	100	
5586												
5587												
5588												
5589												
5590	1	1	1	1	1	1	1	1	1	1	100	
5591												
5592												
5593												
5594												
5595	1	1	1	1	1	1	1	1	1	1	100	
5596												

5597											
5598											
5599											
5600	1	1	1	1	1	1	1	1	1	1	100
5601											
5602											
5603											
5604											
5605	1	1	1	1	1	1	1	1	1	1	100
5606											
5607											
5608											
5609											
5610	1	1	1	1	1	1	1	1	1	1	100
5611											
5612											
5613											
5614											
5615	1	1	1	1	1	1	1	1	1	1	100
5616											
5617											
5618											
5619											
5620	1	1	1	1	1	1	1	1	1	1	100
5621											
5622											
5623											
5624											
5625	1	1	1	1	1	1	1	1	1	1	100
5626											
5627											
5628											
5629											
5630	1	1	1	1	1	1	1	1	1	1	100
5631											
5632											
5633											
5634											
5635	1	1	1	1	1	1	1	1	1	1	100
5636											
5637											

5638											
5639											
5640	1	1	1	1	1	1	1	1	1	1	100
5641											
5642											
5643											
5644											
5645	1	1	1	1	1	1	1	1	1	1	100
5646											
5647											
5648											
5649											
F_High 5650	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage											100
Detection Bandwidth = FH-FL = 5570 MHz - 5650 MHz = 80 MHz											
99% Bandwidth = 79.2 MHz											

EUT Frequency = 5570 MHz ; Bandwidth = 160 MHz											
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %
	Trials										
	1	2	3	4	5	6	7	8	9	10	
F_Low 5490	1	1	1	1	1	1	1	1	1	1	100
5491											
5492											
5493											
5494											
5495	1	1	1	1	1	1	1	1	1	1	100
5496											
5497											
5498											
5499											
5500	1	1	1	1	1	1	1	1	1	1	100
5501											
5502											
5503											
5504											
5505	1	1	1	1	1	1	1	1	1	1	100
5506											
5507											
5508											

5509											
5510	1	1	1	1	1	1	1	1	1	1	100
5511											
5512											
5513											
5514											
5515	1	1	1	1	1	1	1	1	1	1	100
5516											
5517											
5518											
5519											
5520	1	1	1	1	1	1	1	1	1	1	100
5521											
5522											
5523											
5524											
5525	1	1	1	1	1	1	1	1	1	1	100
5526											
5527											
5528											
5529											
5530	1	1	1	1	1	1	1	1	1	1	100
5531											
5532											
5533											
5534											
5535	1	1	1	1	1	1	1	1	1	1	100
5536											
5537											
5538											
5539											
5540	1	1	1	1	1	1	1	1	1	1	100
5541											
5542											
5543											
5544											
5545	1	1	1	1	1	1	1	1	1	1	100
5546											
5547											
5548											
5549											

5550	1	1	1	1	1	1	1	1	1	1	100
5551											
5552											
5553											
5554											
5555	1	1	1	1	1	1	1	1	1	1	100
5556											
5557											
5558											
5559											
5560	1	1	1	1	1	1	1	1	1	1	100
5561											
5562											
5563											
5564											
5565	1	1	1	1	1	1	1	1	1	1	100
5566											
5567											
5568											
5569											
5570	1	1	1	1	1	1	1	1	1	1	100
5571											
5572											
5573											
5574											
5575	1	1	1	1	1	1	1	1	1	1	100
5576											
5577											
5578											
5579											
5580	1	1	1	1	1	1	1	1	1	1	100
5581											
5582											
5583											
5584											
5585	1	1	1	1	1	1	1	1	1	1	100
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100

5591												
5592												
5593												
5594												
5595	1	1	1	1	1	1	1	1	1	1	1	100
5596												
5597												
5598												
5599												
5600	1	1	1	1	1	1	1	1	1	1	1	100
5601												
5602												
5603												
5604												
5605	1	1	1	1	1	1	1	1	1	1	1	100
5606												
5607												
5608												
5609												
5610	1	1	1	1	1	1	1	1	1	1	1	100
5611												
5612												
5613												
5614												
5615	1	1	1	1	1	1	1	1	1	1	1	100
5616												
5617												
5618												
5619												
5620	1	1	1	1	1	1	1	1	1	1	1	100
5621												
5622												
5623												
5624												
5625	1	1	1	1	1	1	1	1	1	1	1	100
5626												
5627												
5628												
5629												
5630	1	1	1	1	1	1	1	1	1	1	1	100
5631												

5632												
5633												
5634												
5635	1	1	1	1	1	1	1	1	1	1	1	100
5636												
5637												
5638												
5639												
5640	1	1	1	1	1	1	1	1	1	1	1	100
5641												
5642												
5643												
5644												
5645	1	1	1	1	1	1	1	1	1	1	1	100
5646												
5647												
5648												
5649												
F_High 5650	1	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage												100
Detection Bandwidth = FH-FL = 5490 MHz - 5650 MHz = 160 MHz												
99% Bandwidth = 158.4 MHz												

5.7.5 Detection Probability

For statistical performance check. Demonstrating a minimum channel loading of approximately 17% or greater of the test. Observe the transmissions of the EUT at the end of the burst on the operating channel for duration greater than 10 seconds for short pulse radar type 1-4 and 6 to ensure detection occurs. Then observe the transmissions of the EUT at the end of the burst on the operating channel for duration greater than 22 seconds for long pulse radar type 5 to ensure detection occurs. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.

Please see data within the annex.

Radar Type	Min successful detection (%)	Minimum Trials
1	60	30
2	60	30
3	60	30
4	60	30
Types 1 - 4	80	120
5	80	30
6	70	30

20 MHz

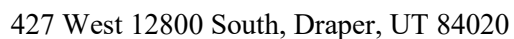
RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μsec)	PRI (μs)	Detection (yes/no)
1	21	1	2516	y
2	55	1	971	y
3	26	1	2064	y
4	54	1	990	y
5	62	1	850	y
6	76	1	697	y
7	18	1	2989	y
8	19	1	2797	y
9	21	1	2596	y
10	25	1	2190	y
11	58	1	912	y
12	34	1	1554	y
13	20	1	2755	y
14	20	1	2718	y
15	63	1	844	y
16	19	1	2876	y
17	34	1	1590	y
18	20	1	2766	y
19	27	1	1996	y
20	41	1	1312	y
21	87	1	606	y
22	27	1	1984	y
23	39	1	1374	y
24	63	1	843	y
25	19	1	2891	y
26	72	1	734	y
27	67	1	787	y
28	27	1	2004	y
29	28	1	1907	y
30	31	1	1731	y
Detection Probability				100%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	27	2.2	201	y
2	25	1	153	y
3	27	4	221	y
4	26	1.9	215	y
5	28	3.9	228	y
6	27	2.4	159	y
7	29	2.8	183	n
8	26	3	190	y
9	28	4.2	181	y
10	29	2.5	167	y
11	28	2.1	187	y
12	26	3.9	221	y
13	24	3.4	169	y
14	25	1.2	158	n
15	28	2.8	197	y
16	27	2.7	168	y
17	29	3	181	y
18	26	1.6	157	y
19	26	2.2	187	y
20	28	4.4	172	y
21	27	2.7	223	y
22	26	1.1	164	y
23	28	4.2	163	y
24	25	1.3	167	y
25	27	1.4	178	y
26	24	2	201	y
27	24	3.5	179	y
28	28	2.8	150	y
29	26	1.4	202	y
30	24	3.1	185	y
Detection Probability				93%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	17	6.4	424	y
2	17	7.8	380	y
3	16	6	342	y
4	16	9.6	245	y
5	17	8.6	298	y
6	17	9.2	379	y
7	17	6.6	417	y
8	18	9.3	408	y
9	16	8.1	468	y
10	18	9.7	285	y
11	17	8.7	307	y
12	16	8.8	365	y
13	17	7.1	253	y
14	18	9.1	217	y
15	18	7.6	342	y
16	18	6.6	263	y
17	17	7	317	y
18	17	8.2	290	y
19	18	9.1	262	y
20	17	9.6	217	y
21	17	7.6	397	y
22	16	9.7	498	n
23	17	9.7	298	y
24	17	6	337	y
25	17	7.7	432	y
26	18	8.1	402	y
27	18	7.8	301	y
28	16	6.8	458	y
29	17	7.6	240	y
30	16	6.7	356	y
Detection Probability				97%

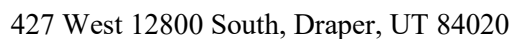
RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	14	17.4	253	y
2	16	13.6	298	y
3	13	17.5	408	y
4	16	12.6	433	y
5	13	13.8	290	y
6	14	15.4	203	y
7	15	18.9	308	y
8	15	13.8	467	y
9	13	14.4	409	y
10	15	19.2	376	y
11	13	19.7	468	y
12	15	15.4	207	y
13	12	16.5	418	y
14	13	11.8	431	y
15	14	16.8	333	y
16	13	14.2	292	y
17	16	17	205	y
18	13	17.5	205	y
19	16	17.4	299	y
20	15	11.6	485	y
21	13	12.7	385	y
22	13	12.4	395	y
23	15	11	374	y
24	14	11.6	248	y
25	15	16.6	361	n
26	15	12.1	354	y
27	12	18.3	259	y
28	16	16.4	362	y
29	14	12.5	386	y
30	12	13.2	307	n
Detection Probability				93%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS		
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc
1	y	13	1	5500
2	y	17	1	5500
3	y	8	1	5500
4	y	8	1	5500
5	y	10	1	5500
6	y	11	1	5500
7	y	9	1	5500
8	y	7	1	5500
9	y	16	1	5500
10	y	10	1	5500
11	y	7	2	5493.8
12	y	10	2	5495
13	y	13	2	5496.2
14	y	8	2	5494.2
15	y	11	2	5495.4
16	y	5	2	5493
17	y	16	2	5497.4
18	n	5	2	5493
19	y	8	2	5494.2
20	y	19	2	5498.6
21	y	18	3	5501.8
22	y	10	3	5505
23	y	13	3	5503.8
24	y	5	3	5507
25	y	7	3	5506.2
26	n	12	3	5504.2
27	y	8	3	5505.8
28	y	14	3	5503.4
29	y	16	3	5502.6
30	y	11	3	5504.6
Detection Probability		93%		

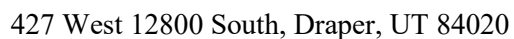


TR6990_U6-Enterprise-IW_FCC_15.407_UNII-2_02
PROPRIETARY

[illegible]



TR6990_U6-Enterprise-IW_FCC_15.407_UNII-2_02
PROPRIETARY

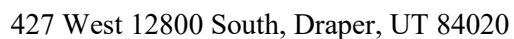


TR6990_U6-Enterprise-IW_FCC_15.407_UNII-2_02
PROPRIETARY



427 West 12800 South, Draper, UT 84020

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TR6990_U6-Enterprise-IW_FCC_15.407_UNII-2_02
PROPRIETARY



427 West 12800 South, Draper, UT 84020

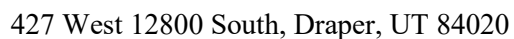
[illegible]

[illegible]

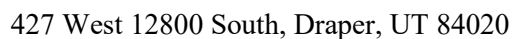


427 West 12800 South, Draper, UT 84020

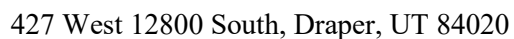
[illegible]



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PROPRIETARY



TR6990_U6-Enterprise-IW_FCC_15.407_UNII-2_02

[illegible]



427 West 12800 South, Draper, UT 84020

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 28						
Bursts in Trial: 17						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	67.8	14			317.056
2	3	50.1	14	1836	1961	342.368
3	1	50	14			650.525
4	3	72.1	14	1214	1476	619.283
5	2	77.2	14	1955		92.001
6	2	85.6	14	1527		452.128
7	1	54	14			280.946
8	2	58	14	1679		391.844
9	2	58	14	1078		510.331
10	2	52.2	14	1938		274.679
11	2	91.5	14	1303		642.166
12	2	75.7	14	1249		202.354
13	2	94.8	14	1341		538.492
14	2	99.7	14	1206		537.749
15	2	99.8	14	1866		158.947
16	2	96.4	14	1351		285.565
17	1	59.9	14			613.982

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 29						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	96.7	16			465.859
2	2	68	16	1188		332.48
3	2	83.4	16	1547		667.58
4	2	94.5	16	1634		269.58
5	2	51.7	16	1184		309.85
6	2	67.3	16	1465		134.32
7	2	90.7	16	1767		670.88
8	3	52.1	16	1862	1062	476.57
9	2	67.8	16	1716		413.23
10	3	60.6	16	1792	1267	390.78
11	1	83.1	16			363.13
12	1	75.3	16			391.07
13	2	93.4	16	1279		680.7
14	3	73.4	16	1101	1942	401.2
15	3	57.9	16	1754	1717	394.8
16	3	96.3	16	1796	1487	701.4

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 30						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	74.6	11	1579		518.317
2	1	69.4	11			650.71
3	2	68.2	11	1243		597.08
4	2	57.3	11	1568		327.7
5	1	55.6	11			657.63
6	2	83.6	11	1812		604.46
7	3	89.8	11	1582	1542	307.5
8	2	93.8	11	1409		74.38
9	3	60.2	11	1985	1575	2.26
10	3	66.8	11	1424	1321	423.44
11	3	59.5	11	1122	1604	616.25
12	2	73.5	11	1601		244.57
13	2	97.7	11	1593		119.28
14	1	89.3	11			163.63
15	3	75.1	11	1762	1250	408.5
16	1	98.3	11			558.4

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS	
Trial #		Detection (yes/no)	
1		y	
2		y	
3		y	
4		y	
5		y	
6		y	
7		y	
8		y	
9		y	
10		y	
11		y	
12		y	
13		y	
14		y	
15		y	
16		y	
17		y	
18		y	
19		y	
20		y	
21		y	
22		y	
23		y	
24		y	
25		y	
26		y	
27		y	
28		y	
29		y	
30		y	
Detection Probability		100%	

40MHz

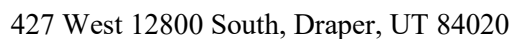
RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μsec)	PRI (μs)	Detection (yes/no)
1	30	1	1760	y
2	25	1	2173	y
3	18	1	2975	y
4	35	1	1535	y
5	42	1	1282	y
6	25	1	2116	y
7	24	1	2196	y
8	75	1	712	y
9	31	1	1713	y
10	25	1	2165	y
11	50	1	1058	y
12	38	1	1391	y
13	18	1	2948	n
14	54	1	984	y
15	43	1	1239	y
16	26	1	2093	y
17	23	1	2346	y
18	20	1	2705	y
19	21	1	2520	y
20	19	1	2890	y
21	23	1	2327	y
22	26	1	2106	n
23	18	1	3011	y
24	36	1	1505	y
25	20	1	2713	y
26	69	1	768	y
27	77	1	692	y
28	60	1	887	y
29	91	1	584	y
30	25	1	2158	y
Detection Probability				93%

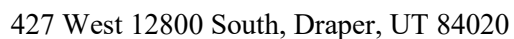
RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	25	3.8	182	y
2	28	2.2	189	y
3	29	3.2	199	y
4	27	1.9	156	y
5	27	3.5	204	n
6	29	2.2	193	y
7	24	2.1	192	y
8	25	2.1	191	y
9	28	3.7	227	y
10	27	2.3	188	y
11	25	1.6	151	y
12	27	3.7	168	n
13	25	1.6	162	y
14	24	1.6	180	y
15	28	1	171	y
16	28	1.7	207	y
17	24	4.1	176	y
18	24	3.6	196	y
19	24	3.9	217	y
20	27	1.5	164	y
21	27	4.4	191	y
22	28	4.9	162	y
23	26	2.3	152	y
24	27	2.7	165	y
25	26	1	222	y
26	23	2.6	193	y
27	29	4.2	150	y
28	24	4.8	208	y
29	27	3.3	190	y
30	26	3.3	181	y
Detection Probability				93%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	18	7.1	310	y
2	16	6	345	y
3	16	6.2	481	y
4	18	7.8	316	n
5	16	8.3	261	y
6	17	6.2	221	y
7	16	9.3	357	y
8	17	6	490	y
9	17	7	460	y
10	17	8.3	452	y
11	17	8.6	327	y
12	18	6.1	409	y
13	17	8.2	249	y
14	18	9.1	343	y
15	18	6.4	431	y
16	18	6.9	206	y
17	18	7.2	483	y
18	16	9	397	y
19	17	6.8	340	y
20	17	9.8	234	y
21	17	8.6	357	y
22	17	9.7	396	y
23	16	6.9	485	y
24	18	8.7	234	y
25	18	9.9	352	y
26	16	6.3	393	y
27	17	6.4	216	y
28	17	7.6	493	n
29	17	6.3	466	y
30	18	9.3	223	y
Detection Probability				93%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	14	13.5	357	y
2	12	18.9	467	y
3	12	15.5	370	y
4	13	15.7	452	y
5	13	11.4	328	y
6	14	15	298	y
7	16	16.6	499	y
8	14	13.8	286	y
9	16	15.6	361	y
10	14	19.6	380	y
11	12	16.4	271	y
12	13	18.4	354	y
13	13	16.2	268	y
14	13	15.5	426	y
15	12	19.4	401	n
16	15	15.2	430	y
17	12	11.7	246	y
18	15	12.9	298	y
19	13	15.8	434	y
20	15	18.1	263	y
21	15	18.7	372	y
22	15	16.3	219	y
23	12	13.4	217	y
24	12	16.1	362	y
25	14	19.2	394	y
26	13	11.4	453	y
27	12	11.6	264	y
28	13	12.6	307	y
29	15	17.2	438	y
30	15	14.6	403	y
Detection Probability				97%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS		
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc
1	y	18	1	5500
2	y	10	1	5500
3	y	18	1	5500
4	y	16	1	5500
5	y	14	1	5500
6	y	10	1	5500
7	y	11	1	5500
8	y	11	1	5500
9	y	16	1	5500
10	y	12	1	5500
11	y	19	2	5498.6
12	y	14	2	5496.6
13	y	9	2	5494.6
14	y	7	2	5493.8
15	y	9	2	5494.6
16	y	6	2	5493.4
17	y	17	2	5497.8
18	y	5	2	5493
19	y	10	2	5495
20	y	9	2	5494.6
21	y	5	3	5507
22	y	6	3	5506.6
23	y	7	3	5506.2
24	y	12	3	5504.2
25	y	19	3	5501.4
26	y	9	3	5505.4
27	y	17	3	5502.2
28	y	12	3	5504.2
29	y	12	3	5504.2
30	y	5	3	5507
Detection Probability			100%	

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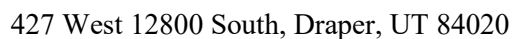


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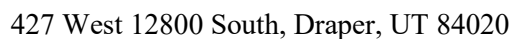


427 West 12800 South, Draper, UT 84020

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427 West 12800 South, Draper, UT 84020

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TYPE 5 PARAMETER SHEET

Rohde & Schwarz
Pulse Sequencer

Trial Number : 15

Bursts in Trial: 18

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	50.1	9	1297		653.248
2	2	76.5	9	1353		66.65
3	2	76.7	9	1832		508.977
4	2	53.4	9	1940		86.3
5	1	68.8	9			112.963
6	1	63.5	9			487.837
7	3	71.3	9	1529	1028	44.61
8	2	73.1	9	1582		237.203
9	1	74.3	9			314.397
10	2	94.1	9	1028		433.64
11	2	69	9	1757		141.503
12	1	72.6	9			98.647
13	3	54.8	9	1924	1855	34.44
14	2	79.4	9	1062		612.203
15	1	60.5	9			330.787
16	2	82	9	1828		62.7
17	1	99.9	9			468.633
18	2	83.1	9	1646		242.367

TYPE 5 PARAMETER SHEET

Rohde & Schwarz
Pulse Sequencer

Trial Number : 16

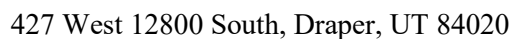
Bursts in Trial: 15

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	87.4	6	1400	1777	189.222
2	1	97.4	6			123.486
3	2	52.1	6	1633		655.37
4	2	81.7	6	1748		67.38
5	2	93.8	6	1385		428.91
6	1	56	6			89.17
7	1	71.9	6			788.15
8	3	87.6	6	1084	1415	474.01
9	3	71.8	6	1258	1904	417.91
10	3	58	6	1228	1599	132.06
11	3	73.8	6	1460	1429	72.39
12	2	82.8	6	1627		581.99
13	2	90.8	6	1785		589.5
14	2	77.1	6	1315		687.6
15	1	54.4	6			748.7

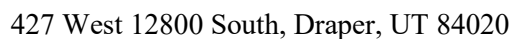


427 West 12800 South, Draper, UT 84020

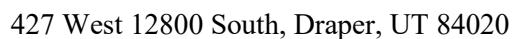
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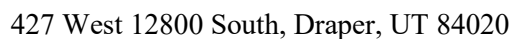


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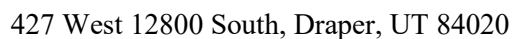


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TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 25							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)	
1	1	85	19			330.818	
2	2	51.4	19	1201		603.198	
3	1	73.1	19			109.355	
4	3	51.8	19	1303	1950	571.343	
5	2	61.5	19	1957		186.041	
6	2	51.3	19	1116		212.208	
7	2	65.1	19	1263		530.786	
8	2	84.1	19	1790		437.354	
9	3	56.6	19	1488	1111	283.331	
10	2	68	19	1578		676.899	
11	1	51	19			612.446	
12	1	62	19			79.144	
13	1	68.6	19			272.622	
14	1	50.6	19			360.849	
15	1	66.4	19			655.247	
16	1	61.1	19			211.765	
17	2	76.1	19	1838		535.382	
TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 26							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)	
1	2	95.2	9	1257		544.542	
2	2	90	9	1427		494.993	
3	3	68.9	9	1426	1354	349.057	
4	2	89.7	9	1968		524.53	
5	3	55.8	9	1840	1196	259.333	
6	2	93.1	9	1016		436.127	
7	3	74.7	9	1097	1807	261.43	
8	2	91.2	9	1577		596.903	
9	1	77.5	9			264.697	
10	2	61.9	9	1019		277.28	
11	2	79.9	9	1960		44.983	
12	2	89.3	9	1709		513.537	
13	1	51	9			234.41	
14	3	62.7	9	1083	1113	123.503	
15	2	74.4	9	1642		92.917	
16	2	92.5	9	1060		418.2	
17	1	85.4	9			303.033	
18	2	63.1	9	1789		544.967	



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TYPE 5 PARAMETER SHEET

Rohde & Schwarz
Pulse Sequencer

Trial Number : 30

Bursts in Trial: 20

Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	92.2	5	1252		488.36
2	2	75.8	5	1417		91.714
3	1	94	5			344.62
4	1	93.5	5			162.52
5	1	81.7	5			543.48
6	2	54.3	5	1203		55.48
7	2	69.5	5	1589		485.18
8	2	75.9	5	1628		551.39
9	2	64.8	5	1807		348.07
10	3	56.1	5	1821	1826	204.15
11	2	59.4	5	1506		396.23
12	3	54	5	1483	1128	562.75
13	1	69.6	5			125.53
14	2	90.8	5	1969		57.37
15	2	89.7	5	1036		574.85
16	1	89	5			548.97
17	2	67.6	5	1070		106.52
18	3	76.8	5	1160	1996	305.9
19	3	70	5	1751	1272	425
20	1	89.9	5			442.2

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS	
Trial #		Detection (yes/no)	
1		y	
2		y	
3		y	
4		y	
5		y	
6		y	
7		y	
8		y	
9		y	
10		y	
11		y	
12		y	
13		y	
14		y	
15		y	
16		n	
17		y	
18		y	
19		y	
20		y	
21		y	
22		y	
23		y	
24		y	
25		y	
26		y	
27		y	
28		y	
29		y	
30		y	
Detection Probability		97%	

80MHz

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μsec)	PRI (μs)	Detection (yes/no)
1	20	1	2728	y
2	29	1	1862	y
3	21	1	2549	y
4	21	1	2523	n
5	25	1	2137	n
6	32	1	1663	y
7	38	1	1390	y
8	78	1	683	y
9	20	1	2764	y
10	84	1	630	y
11	54	1	980	n
12	73	1	723	y
13	40	1	1334	y
14	19	1	2813	y
15	28	1	1938	y
16	25	1	2152	n
17	35	1	1541	y
18	36	1	1470	y
19	30	1	1808	y
20	65	1	815	n
21	44	1	1222	y
22	23	1	2333	y
23	36	1	1497	y
24	18	1	3016	n
25	29	1	1881	y
26	18	1	3056	y
27	64	1	825	y
28	56	1	958	y
29	31	1	1727	y
30	60	1	883	n
Detection Probability				77%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	28	1.8	166	y
2	29	2.8	166	y
3	28	3.6	153	y
4	24	2.4	155	y
5	23	2.7	171	y
6	25	2.3	185	y
7	26	2.2	153	y
8	29	4.6	189	y
9	27	3.2	167	y
10	23	1.4	151	y
11	26	4.3	210	n
12	24	2.9	185	y
13	25	1.3	162	y
14	26	2.9	164	y
15	28	1.9	156	y
16	23	1.5	220	y
17	29	1	215	n
18	28	3.9	208	y
19	24	4.7	210	n
20	28	2.1	155	y
21	26	3	195	y
22	24	2	194	n
23	25	4.8	217	y
24	25	4.1	151	y
25	23	2.5	173	y
26	24	4.9	185	y
27	25	1.2	207	n
28	28	4	175	y
29	28	3.6	223	y
30	23	1.1	225	y
Detection Probability				83%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	16	9.3	498	y
2	16	6.3	403	y
3	16	6.4	449	y
4	18	8.4	420	y
5	16	7.5	319	n
6	18	6.2	295	y
7	17	9.6	292	y
8	16	7.9	338	y
9	16	6.6	234	y
10	17	8.2	265	y
11	18	8.9	264	y
12	17	9	319	y
13	18	7.5	317	y
14	16	9.5	441	y
15	17	7	320	y
16	17	7	406	y
17	17	7.9	407	y
18	17	8	482	y
19	17	7.5	281	n
20	18	8.3	432	n
21	16	6.8	367	y
22	18	7.4	240	n
23	18	6.3	452	y
24	17	9.6	272	y
25	17	6.6	256	y
26	18	7.9	291	n
27	16	6.6	273	y
28	17	6.1	232	y
29	17	9.4	302	n
30	18	7.2	391	y
Detection Probability				80%

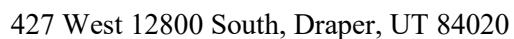
RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	13	15.2	362	n
2	14	14	444	y
3	13	13.5	488	y
4	14	13.8	277	y
5	16	15.4	444	y
6	14	14.2	391	y
7	15	17	495	n
8	15	17.3	313	y
9	16	17.1	380	y
10	12	13.4	307	y
11	14	11.9	398	y
12	14	11.4	346	y
13	14	17.4	225	y
14	12	15.7	375	y
15	16	13	319	y
16	14	17.2	334	y
17	14	18.3	268	y
18	14	12.4	234	y
19	13	18.4	445	n
20	13	15.5	313	y
21	14	15.5	271	y
22	14	17.4	226	n
23	14	16.5	478	y
24	12	18.3	470	y
25	15	18.3	313	n
26	12	12	475	y
27	15	13.2	314	y
28	12	15.1	313	y
29	14	12.9	333	y
30	13	14.1	399	y
Detection Probability				83%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS		
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc
1	y	6	1	5500
2	y	12	1	5500
3	y	12	1	5500
4	y	16	1	5500
5	y	9	1	5500
6	y	6	1	5500
7	y	17	1	5500
8	y	14	1	5500
9	y	5	1	5500
10	y	19	1	5500
11	y	10	2	5495
12	y	19	2	5498.6
13	y	12	2	5495.8
14	y	11	2	5495.4
15	y	16	2	5497.4
16	y	14	2	5496.6
17	y	16	2	5497.4
18	y	13	2	5496.2
19	y	6	2	5493.4
20	y	9	2	5494.6
21	y	9	3	5505.4
22	y	7	3	5506.2
23	y	19	3	5501.4
24	y	10	3	5505
25	y	7	3	5506.2
26	y	9	3	5505.4
27	y	18	3	5501.8
28	y	9	3	5505.4
29	y	12	3	5504.2
30	y	17	3	5502.2
Detection Probability			100%	



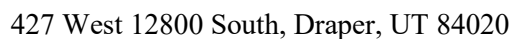
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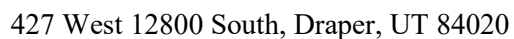


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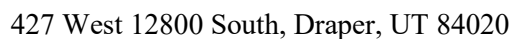
TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 5						
Bursts in Trial: 17						
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	87.9	9	1931		480.569
2	3	50.5	9	1886	1063	441.308
3	1	71.7	9			426.105
4	3	54.5	9	1042	1821	641.773
5	2	93.6	9	1776		65.221
6	1	73.5	9			445.988
7	2	56.5	9	1425		632.716
8	1	60.8	9			589.984
9	2	61	9	1499		482.711
10	1	70.6	9			176.909
11	2	51.9	9	1082		650.546
12	1	79.6	9			548.874
13	3	58.9	9	1611	1570	482.352
14	2	78	9	1016		574.989
15	3	71.8	9	1898	1264	489.547
16	2	55.2	9	1648		391.965
17	2	65	9	1558		442.382
TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 6						
Bursts in Trial: 19						
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	81.4	6	1906		492.036
2	2	55.2	6	1028		46.928
3	1	64.2	6			515.912
4	3	82.7	6	1138	1935	19.973
5	3	92	6	1927	1951	23.214
6	1	90.9	6			455.865
7	2	90.2	6	1482		432.286
8	2	55.9	6	1292		24.137
9	2	78	6	1179		151.788
10	1	68.8	6			141.419
11	1	91.9	6			609.901
12	1	79.9	6			378.552
13	3	88.3	6	1930	1521	539.083
14	3	65.3	6	1333	1111	107.254
15	3	90.4	6	1006	1875	621.865
16	3	53	6	1658	1589	386.156
17	1	89.3	6			154.037
18	2	87.7	6	1582		90.958
19	2	86.9	6	1542		281.679



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TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 13						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	91.2	12			32.741
2	3	55.4	12	1338	1792	291.43
3	3	59	12	1544	1308	188.03
4	1	50.7	12			191.81
5	2	66.9	12	1709		576.62
6	2	96.8	12	1314		625.87
7	1	67.2	12			144.52
8	2	60	12	1116		379.77
9	2	97.2	12	1445		565.29
10	2	71.1	12	1199		713.48
11	2	93	12	1244		310.26
12	3	63.5	12	1653	1532	5.96
13	2	65.1	12	1207		699.29
14	2	82.6	12	1689		92.24
15	2	77.1	12	1488		329.3
16	1	70.5	12			232.2

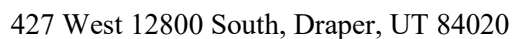
TYPE 5 PARAMETER SHEET

Rohde & Schwarz
Pulse Sequencer

Trial Number : 14

Bursts in Trial: 19

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	62.9	11	1101	1277	112.447
2	1	57.7	11			318.237
3	3	68.3	11	1963	1074	199.782
4	1	89.6	11			526.623
5	2	68	11	1895		346.144
6	2	99.7	11	1750		524.595
7	1	87.1	11			529.976
8	2	51.9	11	1130		64.717
9	2	81.3	11	1087		76.578
10	2	63.6	11	1634		390.819
11	3	92.4	11	1660	1067	229.311
12	1	92.5	11			50.312
13	3	63	11	1755	1161	353.043
14	3	67.7	11	1872	1984	70.124
15	1	74.1	11			574.435
16	2	71.3	11	1087		482.806
17	2	78.1	11	1818		169.737
18	2	78.9	11	1395		175.758
19	3	71.4	11	1846	1638	15.379



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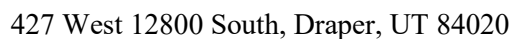
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TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 21							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	72.9	9			476.451	
2	1	69.9	9			150.08	
3	3	85.8	9	1658	1548	149.715	
4	3	59.8	9	1528	1000	256.583	
5	2	97.3	9	1784		182.431	
6	2	93.4	9	1941		179.758	
7	1	99.1	9			141.386	
8	3	70.6	9	1722	1999	381.354	
9	2	66.6	9	1952		422.911	
10	3	77.3	9	1263	1925	375.799	
11	2	74.7	9	1900		101.866	
12	2	72.9	9	1555		262.894	
13	3	51.3	9	1211	1877	681.522	
14	1	57.9	9			417.569	
15	2	72.7	9	1691		622.147	
16	3	92.5	9	1919	1261	198.965	
17	3	60.6	9	1386	1772	517.182	
TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 22							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	71.7	7	1507		768.423	
2	2	64.4	7	1460		395.403	
3	1	75.5	7			134.896	
4	2	53.3	7	1128		691.449	
5	1	94.5	7			287.022	
6	1	96	7			724.195	
7	3	93.6	7	1866	1149	275.738	
8	3	76	7	1557	1695	199.692	
9	2	73.3	7	1189		251.475	
10	3	88.9	7	1340	1475	93.898	
11	2	64.9	7	1393		700.021	
12	1	90.4	7			518.554	
13	2	51.7	7	1430		607.577	

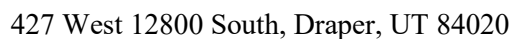


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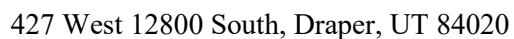
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TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS	
Trial #		Detection (yes/no)	
1		y	
2		y	
3		y	
4		y	
5		y	
6		y	
7		y	
8		y	
9		y	
10		y	
11		y	
12		y	
13		y	
14		n	
15		y	
16		y	
17		y	
18		y	
19		y	
20		y	
21		y	
22		y	
23		y	
24		y	
25		y	
26		y	
27		y	
28		y	
29		y	
30		y	
Detection Probability		97%	

160 MHz

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μsec)	PRI (μs)	Detection (yes/no)
1	38	1	1414	y
2	33	1	1641	y
3	20	1	2659	y
4	29	1	1870	y
5	44	1	1209	y
6	20	1	2695	n
7	47	1	1127	y
8	19	1	2870	n
9	59	1	905	n
10	37	1	1440	y
11	52	1	1021	y
12	74	1	717	n
13	56	1	956	y
14	23	1	2301	y
15	29	1	1861	n
16	22	1	2478	y
17	24	1	2240	y
18	51	1	1042	y
19	42	1	1266	y
20	18	1	2956	y
21	20	1	2647	y
22	22	1	2413	y
23	26	1	2078	y
24	28	1	1895	y
25	67	1	795	y
26	20	1	2671	n
27	25	1	2154	n
28	49	1	1088	y
29	72	1	735	y
30	67	1	796	y
Detection Probability				76%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	25	2.1	151	y
2	26	2.4	193	y
3	26	3.5	172	y
4	25	4.7	199	y
5	24	4.2	187	y
6	25	1.4	202	y
7	23	1	209	y
8	27	1.8	206	y
9	27	1.5	162	y
10	27	1.8	181	y
11	28	3	217	y
12	26	3.5	225	y
13	27	4.2	172	y
14	28	4.3	150	y
15	25	4.6	185	y
16	26	3.9	209	y
17	24	2.3	199	y
18	26	3	168	y
19	26	4.2	194	y
20	24	4.4	219	y
21	28	1.5	174	y
22	28	4.3	150	y
23	25	2.6	171	y
24	27	2.2	201	y
25	27	2.5	226	y
26	26	3	208	y
27	24	2.9	202	y
28	24	3.8	228	y
29	23	2.8	194	y
30	26	2.3	216	y
Detection Probability				100%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	17	8.4	324	y
2	17	9.7	354	y
3	17	6	221	y
4	16	7	217	y
5	17	6.2	433	y
6	17	9.3	455	y
7	17	9.2	430	y
8	16	7.7	260	y
9	17	6.8	237	y
10	17	6.9	403	y
11	16	9	486	y
12	16	7.5	248	y
13	16	6.8	325	y
14	17	8.4	263	y
15	17	8.4	416	y
16	17	9.7	397	y
17	16	7.3	404	y
18	17	6	256	y
19	18	6.1	415	y
20	17	6.8	272	y
21	18	7.5	366	y
22	16	7.7	325	y
23	18	6.4	404	y
24	18	7.6	242	y
25	17	8.9	350	y
26	17	8.3	334	y
27	17	8.2	308	n
28	17	6.9	468	y
29	16	8.9	246	n
30	17	8.2	330	y
Detection Probability				93%

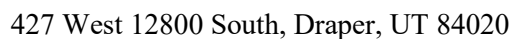
RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	15	19.9	426	y
2	13	16.6	438	n
3	16	16.9	400	y
4	16	16.6	276	y
5	14	17.4	455	y
6	12	16	242	y
7	13	15.2	324	y
8	13	15.7	472	y
9	13	12.8	250	y
10	16	19.7	380	y
11	14	18.2	376	y
12	15	13.8	231	y
13	14	18.9	281	y
14	15	18.1	427	y
15	13	15.2	276	y
16	12	17	444	y
17	15	17.2	264	y
18	15	15.3	299	y
19	13	11.5	327	y
20	15	12.7	453	y
21	12	16.6	323	y
22	14	15.8	208	y
23	12	13.7	254	y
24	15	14.9	493	y
25	16	18.4	371	y
26	15	14.9	347	y
27	15	11.2	371	y
28	13	11.2	347	y
29	15	18	323	y
30	13	16.4	311	y
Detection Probability				97%

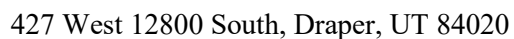
TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS		
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc
1	y	19	1	5500
2	y	10	1	5500
3	y	19	1	5500
4	y	12	1	5500
5	y	10	1	5500
6	y	15	1	5500
7	y	5	1	5500
8	y	19	1	5500
9	y	5	1	5500
10	y	16	1	5500
11	y	5	2	5493
12	y	18	2	5498.2
13	y	7	2	5493.8
14	y	7	2	5493.8
15	y	9	2	5494.6
16	y	13	2	5496.2
17	y	8	2	5494.2
18	y	18	2	5498.2
19	y	18	2	5498.2
20	y	5	2	5493
21	y	7	3	5506.2
22	y	13	3	5503.8
23	y	12	3	5504.2
24	y	15	3	5503
25	y	15	3	5503
26	y	17	3	5502.2
27	y	14	3	5503.4
28	y	6	3	5506.6
29	y	13	3	5503.8
30	y	11	3	5504.6
Detection Probability			100%	



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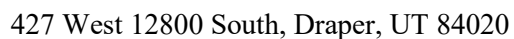
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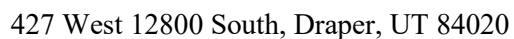
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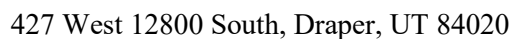
TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 7						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	92.8	5	1160		154.891
2	1	90.9	5			352.481
3	1	51.7	5			88.64
4	1	99.4	5			372.2
5	1	85	5			306.32
6	2	79.5	5	1853		95.63
7	3	78.4	5	1753	1521	5.02
8	1	87.2	5			120.26
9	2	72.6	5	1966		68.48
10	1	62.2	5			276.16
11	1	82.1	5			36.26
12	2	56.1	5	1980		508.56
13	2	79.5	5	1065		521.47
14	2	71.7	5	1239		291.52
15	3	92.8	5	1882	1391	67.04
16	2	70.5	5	1541		320.44
17	1	72.5	5			96.61
18	2	90.4	5	1939		219.2
19	2	56.5	5	1467		396.1
20	2	96.7	5	1192		504.6

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 8						
Bursts in Trial: 17						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	86.3	19	1309		291.026
2	2	61	19	1285		128.941
3	2	99.3	19	1120		677.145
4	1	51.1	19			698.813
5	3	99.8	19	1379	1144	652.261
6	3	57.1	19	1500	1644	260.798
7	2	77.5	19	1431		553.486
8	2	91.5	19	1655		430.934
9	2	51	19	1924		650.671
10	1	99	19			567.759
11	3	76.6	19	1697	1155	292.906
12	2	94.5	19	1696		68.174
13	2	96.6	19	1986		638.692
14	2	79.6	19	1931		356.229
15	1	92.9	19			633.447
16	2	72.5	19	1201		426.465
17	1	81.5	19			306.082

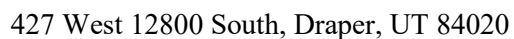


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TYPE 5 PARAMETER SHEET

Rohde & Schwarz
Pulse Sequencer

Trial Number : 17

Bursts in Trial: 16

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	61.5	8	1467	1659	644.825
2	2	50.8	8	1313		125.054
3	2	71	8	1976		55.01
4	3	71.5	8	1211	1435	47.03
5	2	53.9	8	1547		453.82
6	1	74.9	8			696.34
7	2	78.1	8	1927		301.75
8	2	82.7	8	1866		455.55
9	2	72.5	8	1951		308.79
10	2	68.5	8	1023		341.15
11	2	59.8	8	1880		484.62
12	2	58	8	1116		726.7
13	2	79.3	8	1221		442.24
14	2	94.8	8	1999		314.9
15	2	88	8	1510		88.9
16	3	66	8	1916	1866	73.2

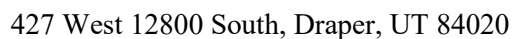
TYPE 5 PARAMETER SHEET

Rohde & Schwarz
Pulse Sequencer

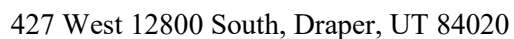
Trial Number : 18

Bursts in Trial: 18

Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	79	18	1590		512.828
2	2	74.1	18	1439		350.523
3	2	94.3	18	1766		240.607
4	2	71.7	18	1000		412.87
5	2	57.4	18	1443		20.513
6	3	85.6	18	1415	1164	195.877
7	2	66.6	18	1698		438.51
8	1	71.4	18			144.643
9	3	66.5	18	1203	1411	193.217
10	1	83.7	18			525.84
11	2	91.3	18	1572		486.503
12	3	55.8	18	1721	1311	521.277
13	2	64.1	18	1159		73.88
14	1	83	18			193.063
15	2	97.1	18	1635		193.177
16	1	94.4	18			480.8
17	2	82.5	18	1001		364.233
18	3	85.2	18	1420	1850	249.567

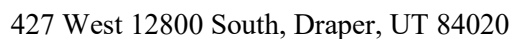


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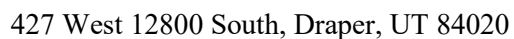
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TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 23						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	2	88.6	12	1670		219.836
2	3	87	12	1947	1664	171.278
3	2	58	12	1928		119.79
4	2	64.7	12	1177		288.59
5	2	78.5	12	1674		340.31
6	2	75.4	12	1153		439.25
7	1	62.2	12			160.88
8	2	88.1	12	1174		215.51
9	1	92.1	12			447.33
10	1	98.7	12			250.11
11	1	69.1	12			441.13
12	2	95.4	12	1561		218.65
13	3	87.4	12	1868	1279	97.44
14	3	72.4	12	1069	1709	44.37
15	1	71.2	12			296.14
16	2	91.3	12	1945		314.56
17	2	95.9	12	1748		120.94
18	3	83.4	12	1696	1017	287.4
19	3	79	12	1192	1390	443.7
20	2	72.6	12	1432		271.7
TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 24						
Bursts in Trial: 15						
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	1	85.1	15			22.859
2	2	88.1	15	1376		489.29
3	2	79.2	15	1440		361.84
4	2	80.3	15	1655		652.81
5	1	66.4	15			538.69
6	1	98.4	15			432.37
7	2	59	15	1546		136.75
8	3	52.5	15	1099	1968	444.75
9	3	80.3	15	1146	1154	535.95
10	2	75.8	15	1092		358.8
11	2	53.4	15	1691		204.09
12	2	58.5	15	1524		149.11
13	3	82	15	1442	1170	619.8
14	2	51.4	15	1480		10.7
15	1	96.5	15			768.1



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TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 27							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	70	14	1062		100.012	
2	2	94.4	14	1409		79.339	
3	2	64.4	14	1592		189.037	
4	1	94.6	14			237.85	
5	2	56.2	14	1120		9.473	
6	2	85.4	14	1023		575.577	
7	2	51.8	14	1802		488.28	
8	2	73.2	14	1340		471.483	
9	2	63.8	14	1838		579.457	
10	2	54.7	14	1373		652.83	
11	2	58.6	14	1222		570.753	
12	2	83.7	14	1561		138.217	
13	3	71.7	14	1059	1125	448.27	
14	3	94.9	14	1817	1739	109.353	
15	1	97.2	14			57.337	
16	3	71.3	14	1355	1718	88.1	
17	2	86.7	14	1642		405.133	
18	2	98.7	14	1912		417.867	
TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 28							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	51.3	6	1933		175.978	
2	2	63.3	6	1132		583.143	
3	3	88.3	6	1903	1777	484.157	
4	2	66.5	6	1126		524.39	
5	2	57.4	6	1972		468.033	
6	3	70.1	6	1927	1056	23.397	
7	2	68	6	1521		512.62	
8	2	55	6	1952		209.393	
9	2	63.9	6	1069		153.467	
10	2	76.4	6	1271		601.05	
11	1	89.6	6			433.223	
12	3	89.7	6	1353	1457	466.497	
13	1	82	6			383.16	
14	3	99.9	6	1648	1040	433.473	
15	2	74.6	6	1757		208.157	
16	3	65.5	6	1078	1899	188	
17	2	64.8	6	1113		514.733	
18	1	76.4	6			568.367	



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TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS	
Trial #		Detection (yes/no)	
1		y	
2		y	
3		y	
4		y	
5		y	
6		y	
7		y	
8		y	
9		y	
10		y	
11		y	
12		y	
13		y	
14		y	
15		y	
16		y	
17		y	
18		y	
19		y	
20		y	
21		y	
22		y	
23		y	
24		y	
25		y	
26		y	
27		y	
28		y	
29		y	
30		y	
Detection Probability		100%	

-- End of Test Report --