

**Figure 980 - 5825 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Z – Antenna 1**



5 GHz WLAN - 802.11 ac 20 MHz Bandwidth

Testing was performed on the Data Rate which resulted in the highest power spectral density.
The Modulation Coding Scheme used during testing was MCS0.

Frequency (MHz)	Result (dBµV/m)		Limit (dBµV/m)		Margin (dB)		Polarity	EUT Orientation
	Peak	Average	Peak	Average	Peak	Average		
59.156	33.69	-	40.00	-	6.31	-	Vertical	Y

Table 335 – 5745 MHz, 30 MHz to 1 GHz- MIMO

No other emissions were detected within 10 dB of the limit.

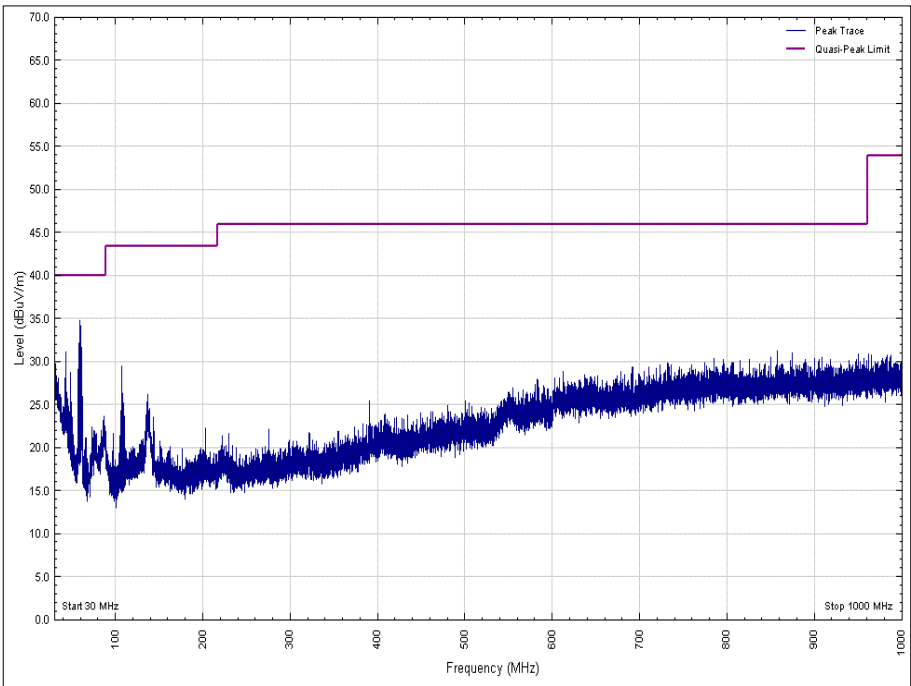


Figure 981 – 5745 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: X - MIMO

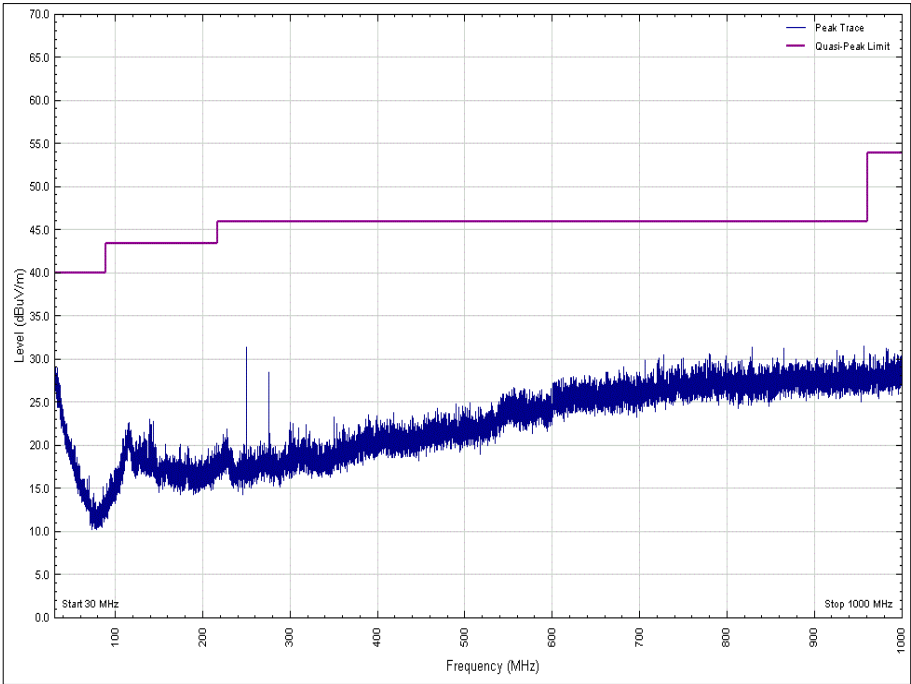


Figure 982 – 5745 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: X - MIMO

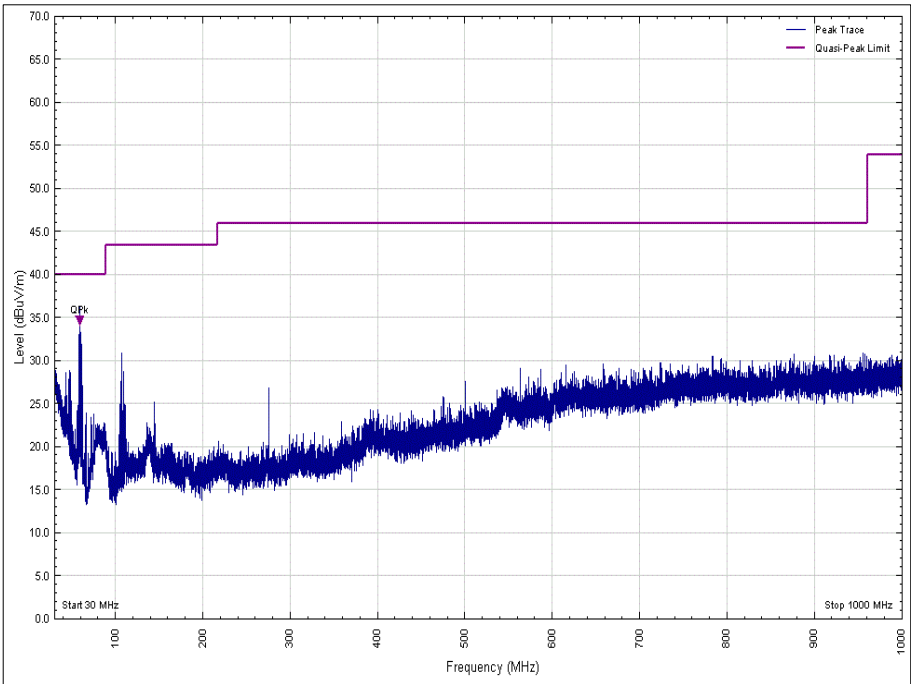


Figure 983 – 5745 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: Y - MIMO

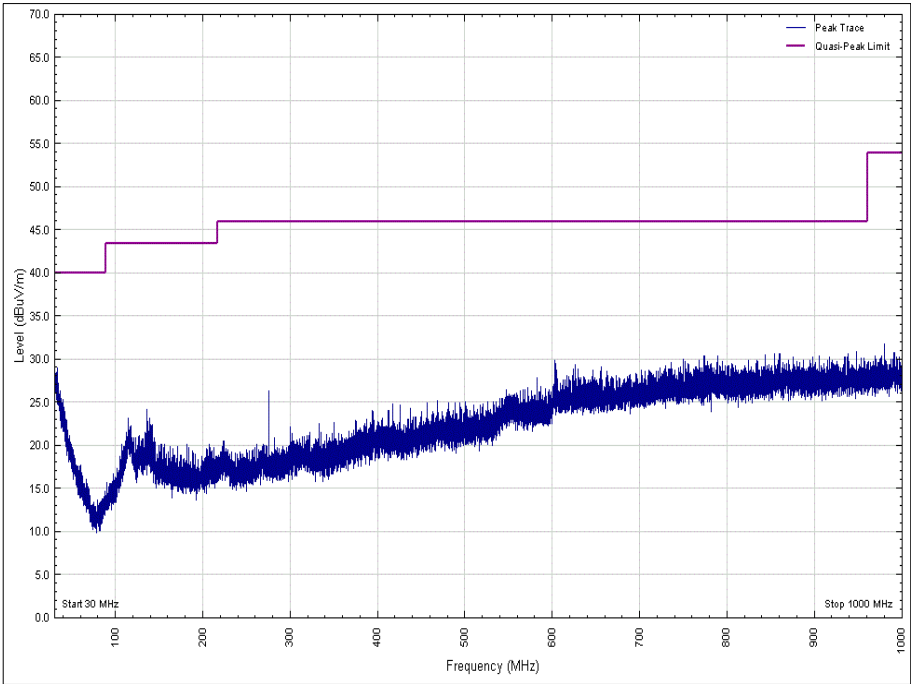


Figure 984 – 5745 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: Y - MIMO

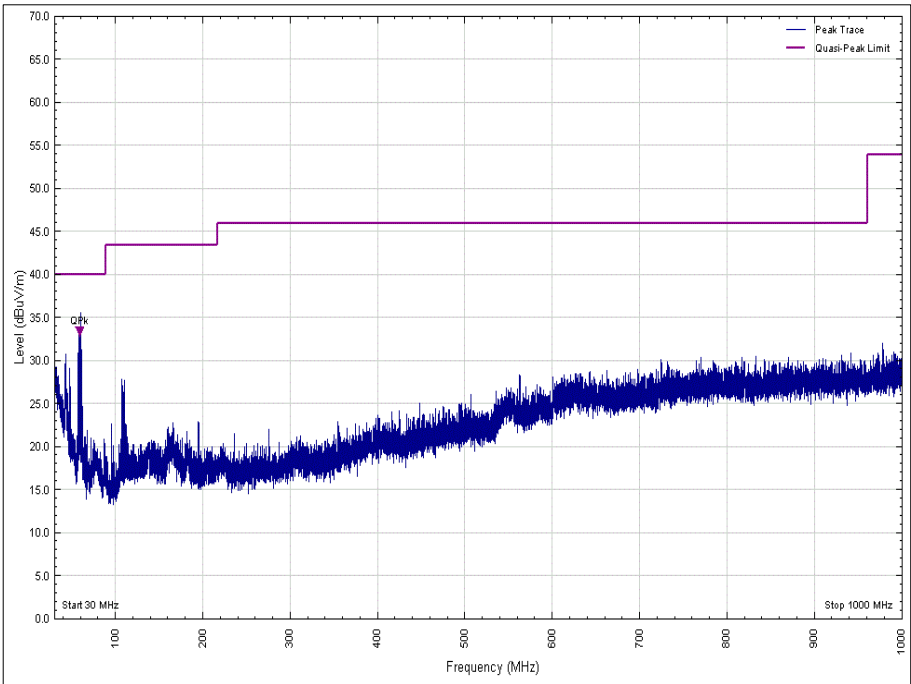


Figure 985 – 5745 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: Z - MIMO

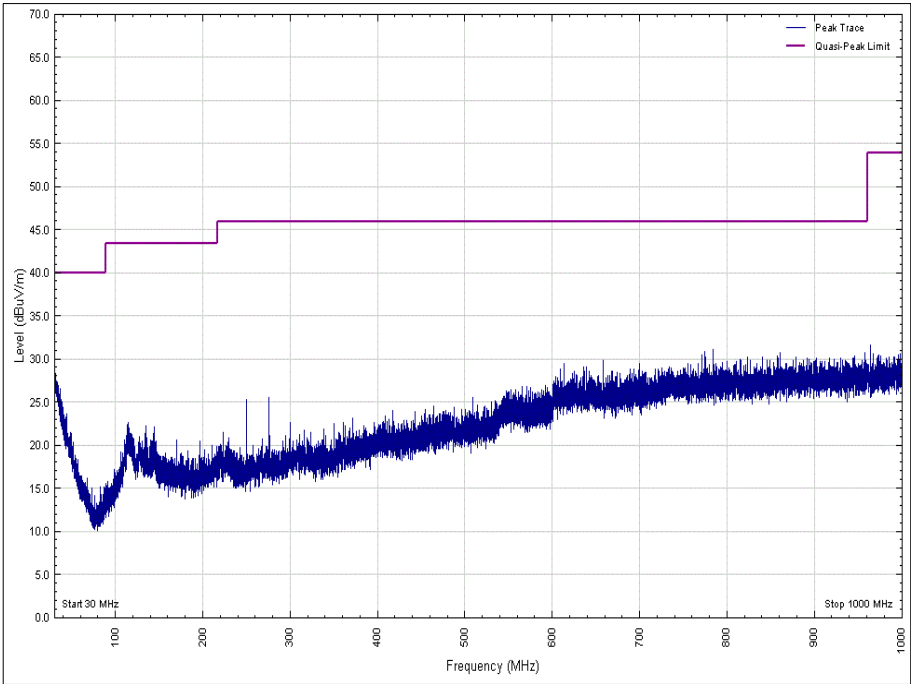


Figure 986 – 5745 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: Z - MIMO



Frequency (GHz)	Result (dBµV/m)		Limit (dBµV/m)		Margin (dB)		Polarity	EUT Orientation
	Peak	Average	Peak	Average	Peak	Average		
3.829940	-	45.11	-	53.98	-	8.87	Horizontal	X
17.224905	65.66	-	68.23	-	2.57	-	Horizontal	X
1.436250	-	45.95	-	53.98	-	8.03	Vertical	Z

Table 336 – 5745 MHz, 1 GHz to 40 GHz - MIMO

No other emissions were detected within 10 dB of the limit.

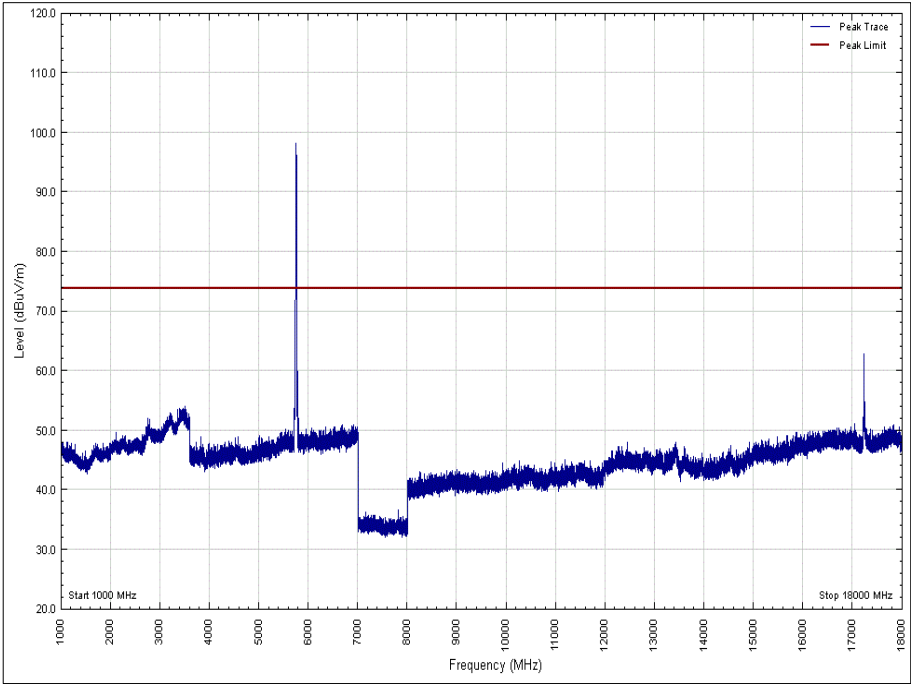
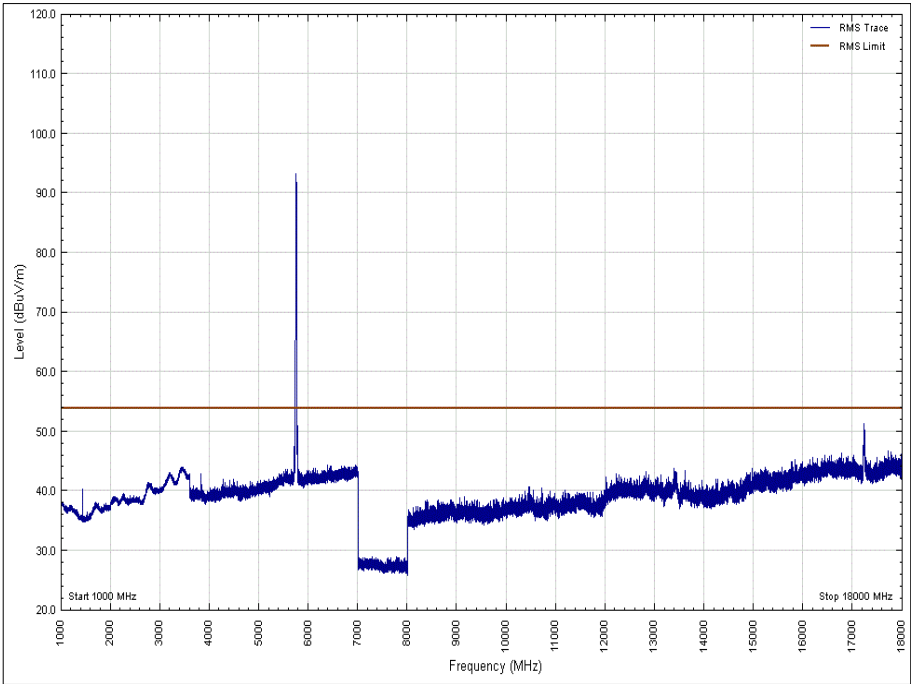
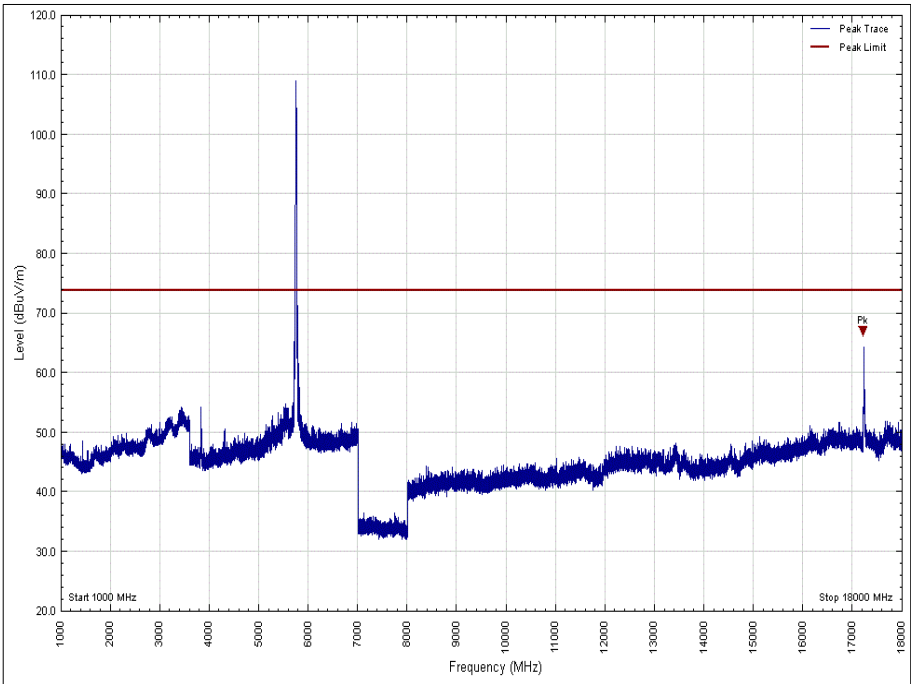


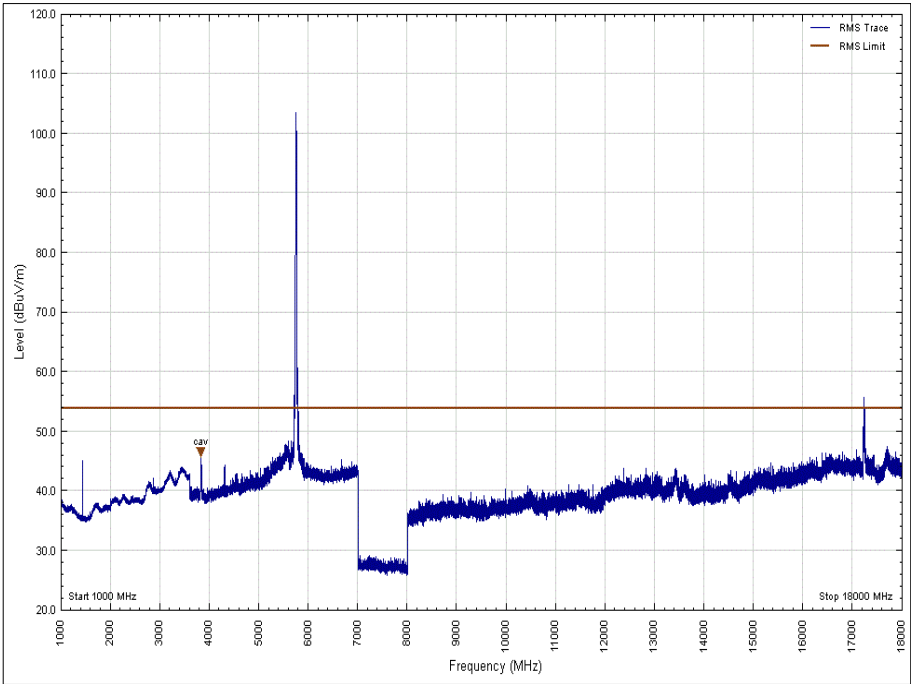
Figure 987 – 5745 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: X - MIMO



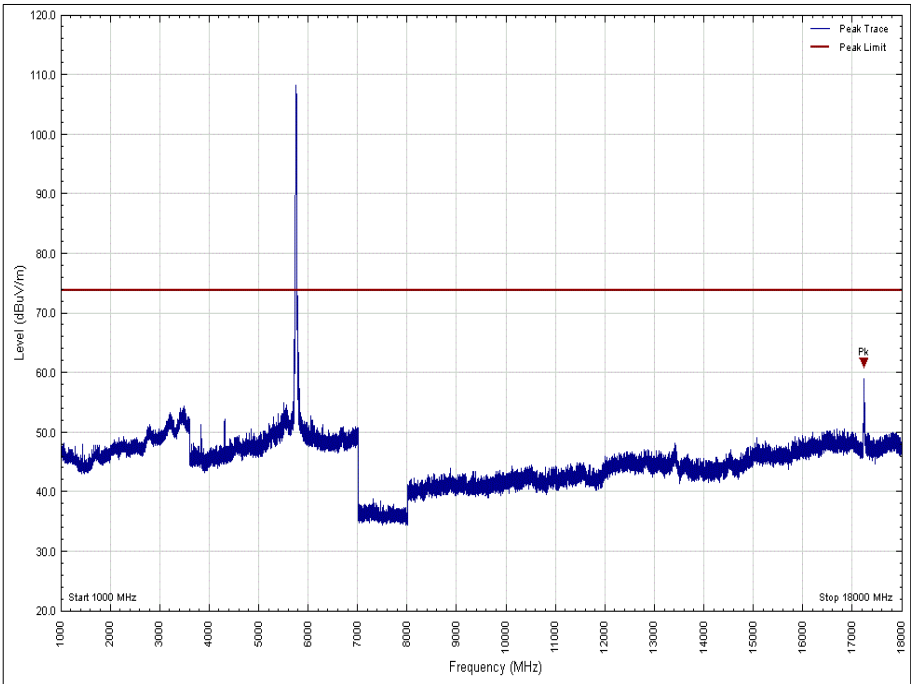
**Figure 988 – 5745 MHz - 1 GHz to 18 GHz - Average,
Polarity: Vertical, EUT Orientation: X - MIMO**



**Figure 989 – 5745 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Horizontal, EUT Orientation: X - MIMO**



**Figure 990 – 5745 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: X - MIMO**



**Figure 991 – 5745 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: Y - MIMO**

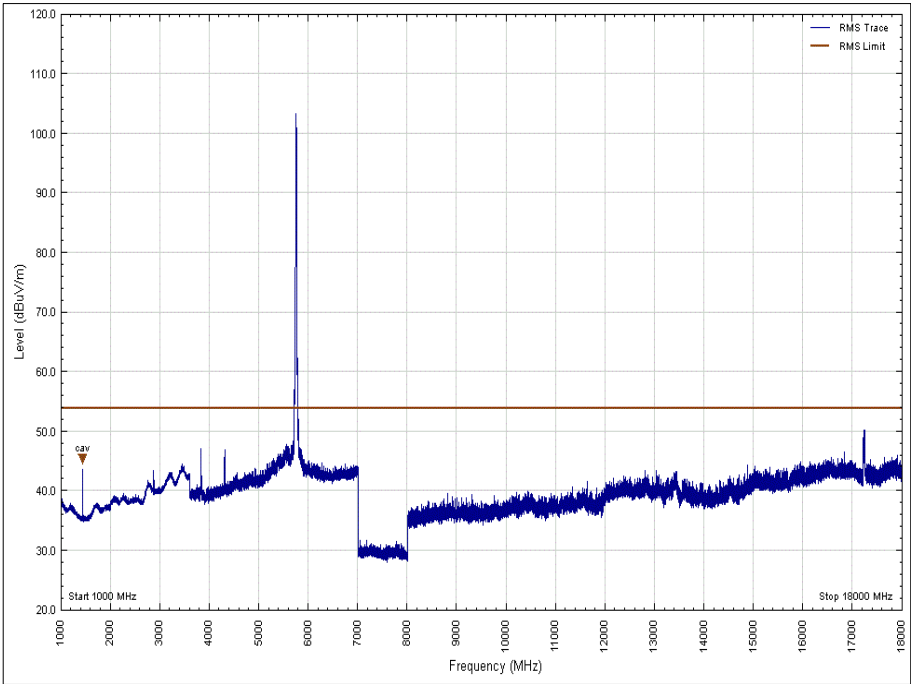


Figure 992 – 5745 MHz - 1 GHz to 18 GHz - Average,
Polarity: Vertical, EUT Orientation: Y - MIMO

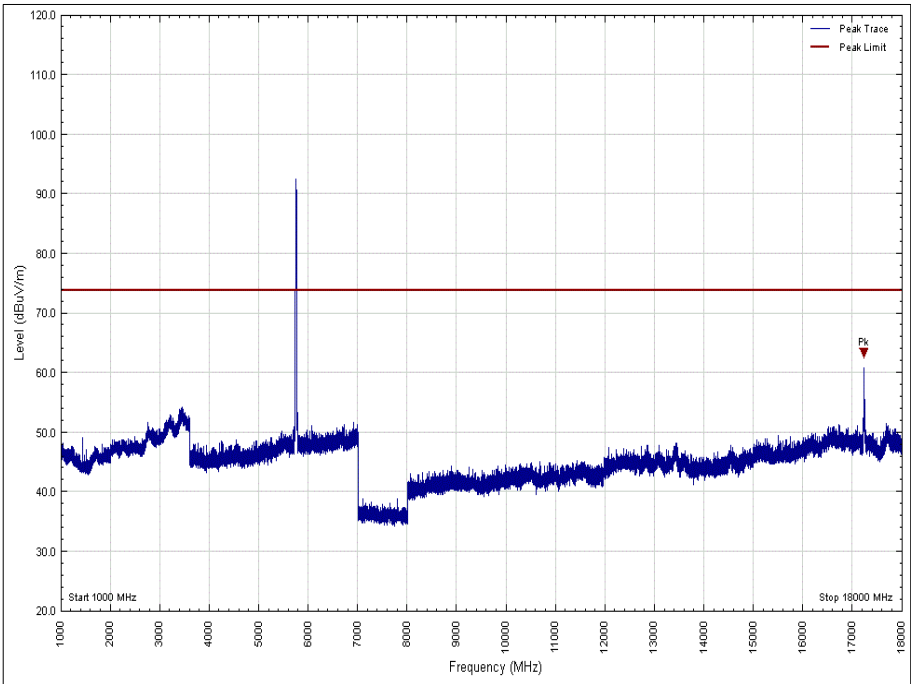
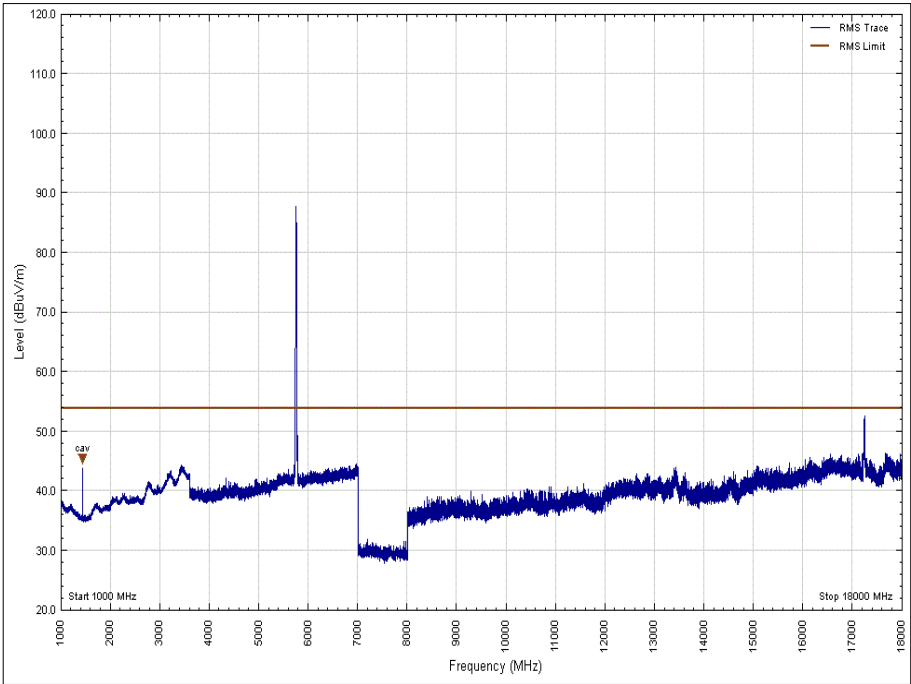
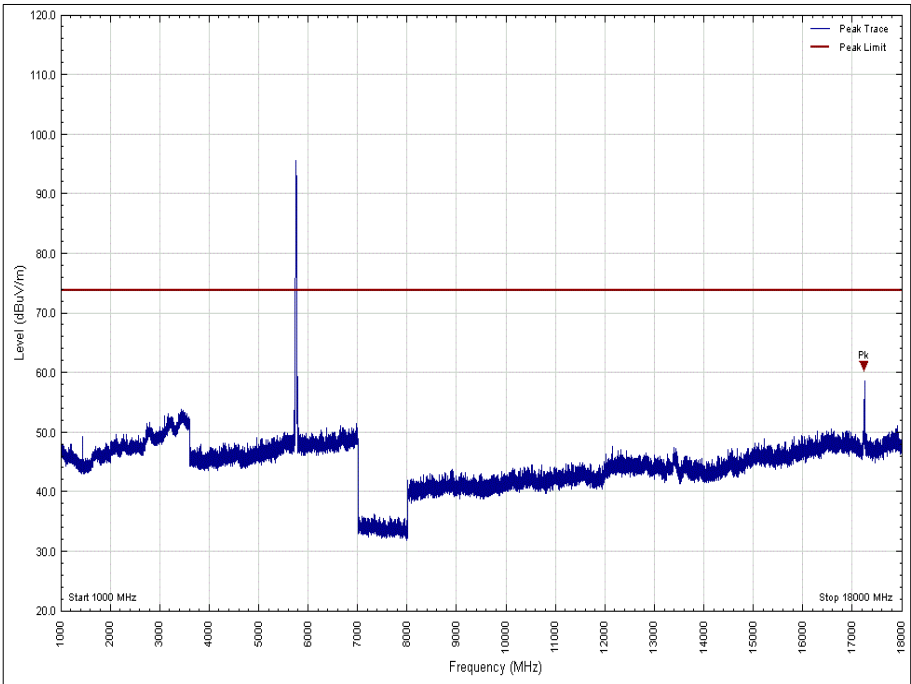


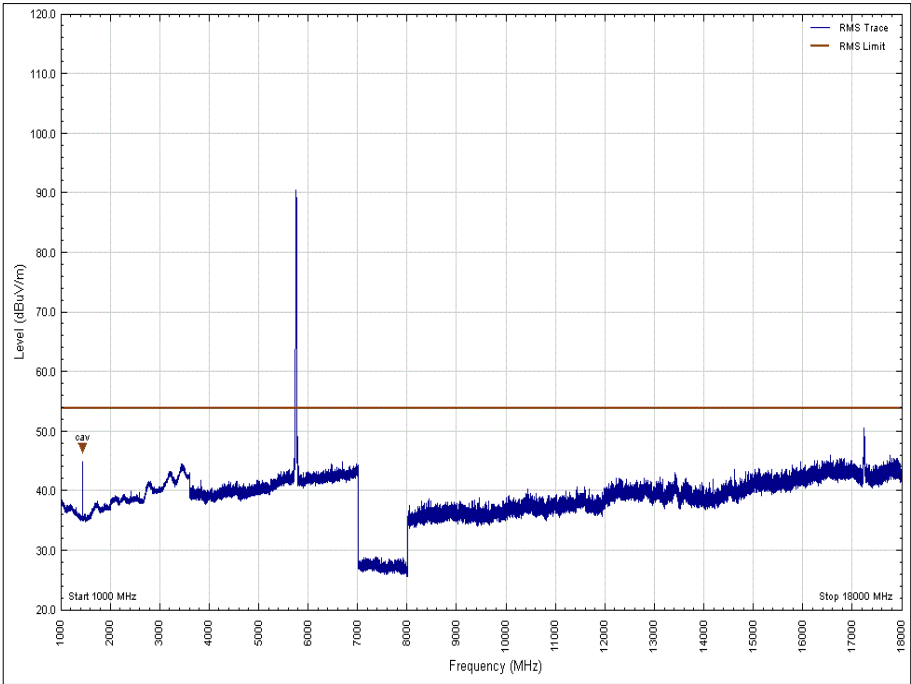
Figure 993 – 5745 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Horizontal, EUT Orientation: Y - MIMO



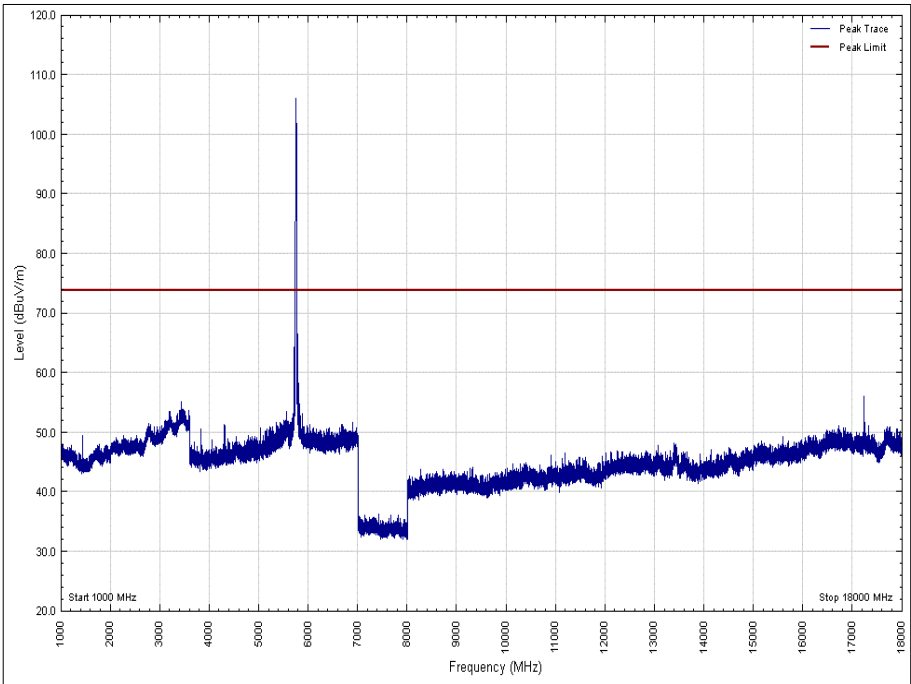
**Figure 994 – 5745 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Y - MIMO**



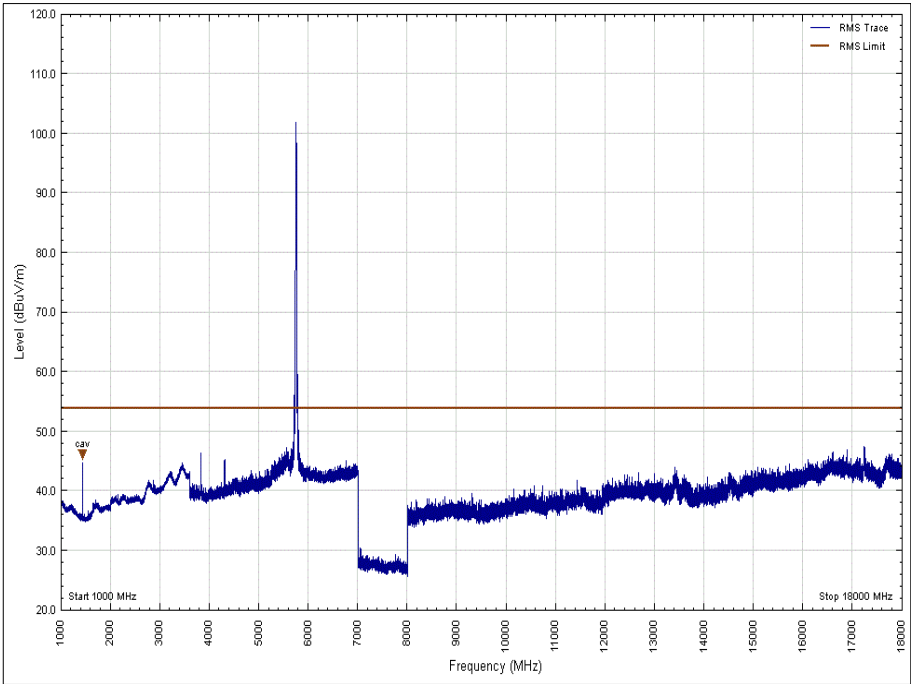
**Figure 995 – 5745 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: Z - MIMO**



**Figure 996 – 5745 MHz - 1 GHz to 18 GHz - Average,
Polarity: Vertical, EUT Orientation: Z - MIMO**



**Figure 997 – 5745 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Horizontal, EUT Orientation: Z - MIMO**



**Figure 998 – 5745 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Z - MIMO**



Frequency (MHz)	Result (dBμV/m)		Limit (dBμV/m)		Margin (dB)		Polarity	EUT Orientation
	Peak	Average	Peak	Average	Peak	Average		
59.539	30.59	-	40.00	-	9.41	-	Vertical	X

Table 337 – 578 - 5785MHz, 30 MHz to 1 GHz - MIMO

No other emissions were detected within 10 dB of the limit.

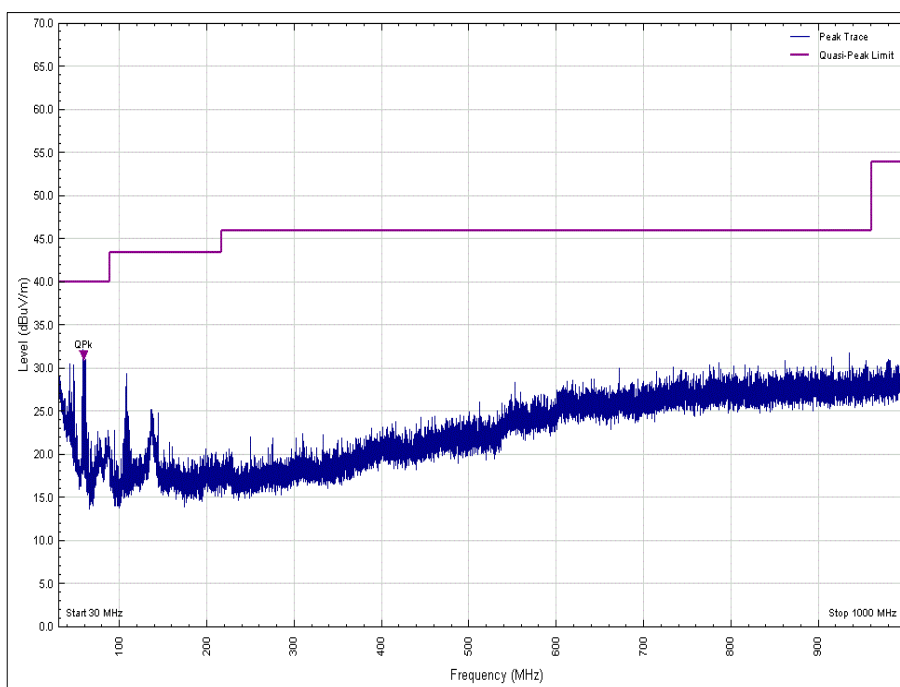


Figure 999 – 5785 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: X - MIMO

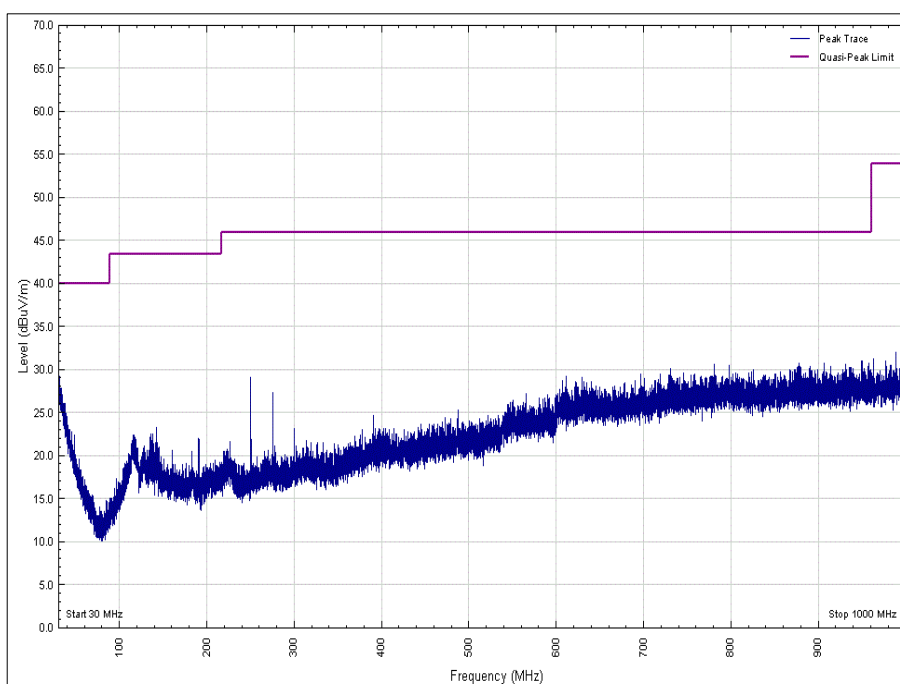


Figure 1000 – 5785 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: X - MIMO

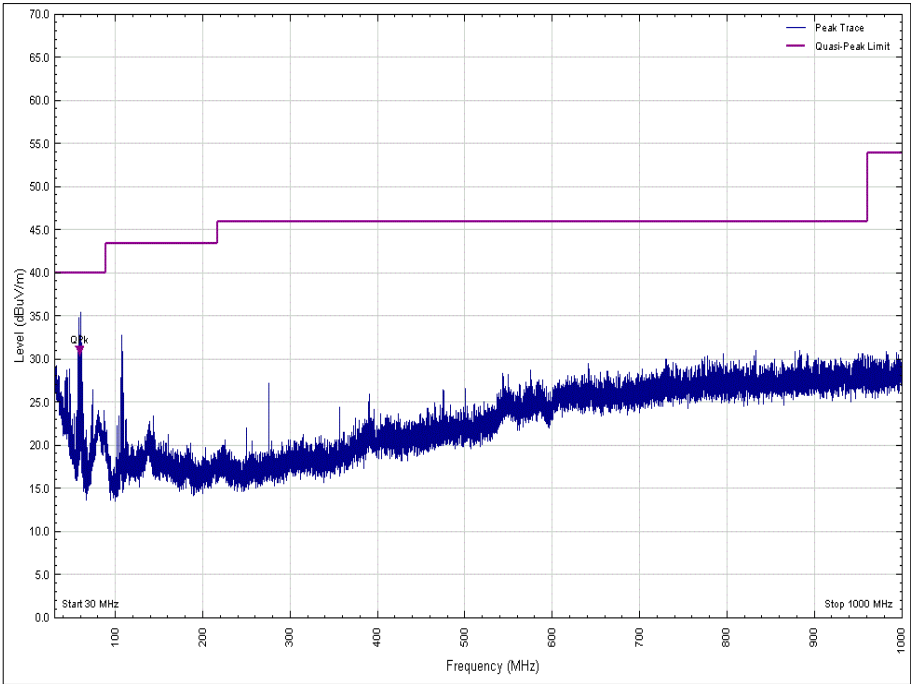


Figure 1001 – 5785 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: Y - MIMO

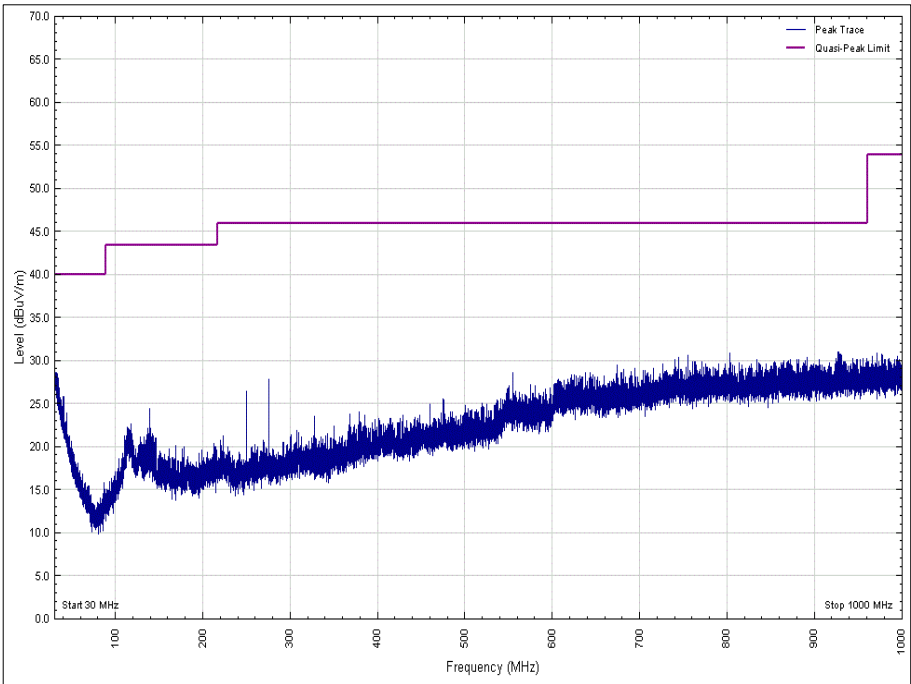


Figure 1002 – 5785 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: Y - MIMO

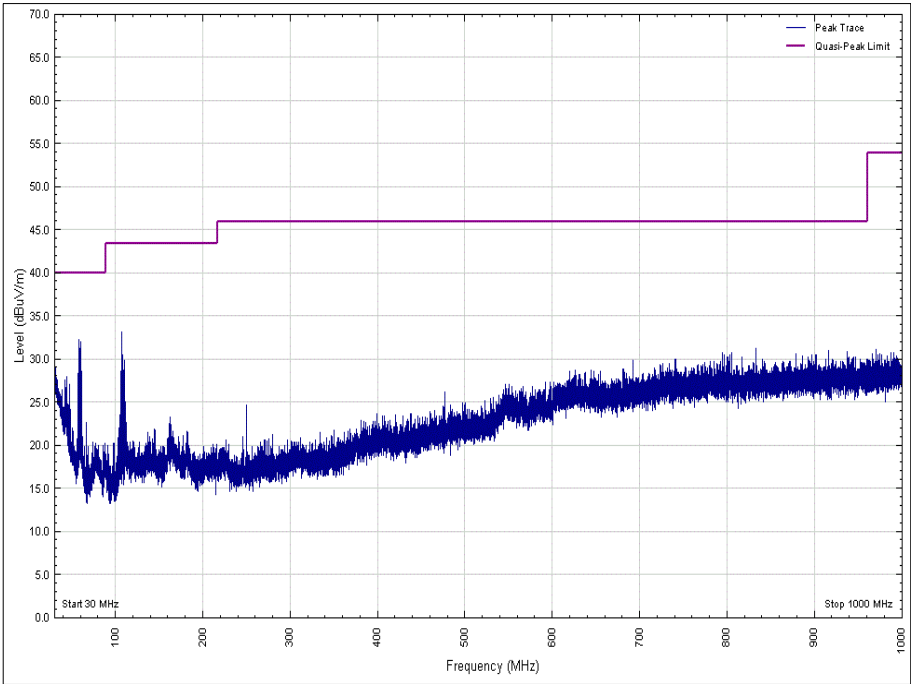


Figure 1003 – 5785 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: Z - MIMO

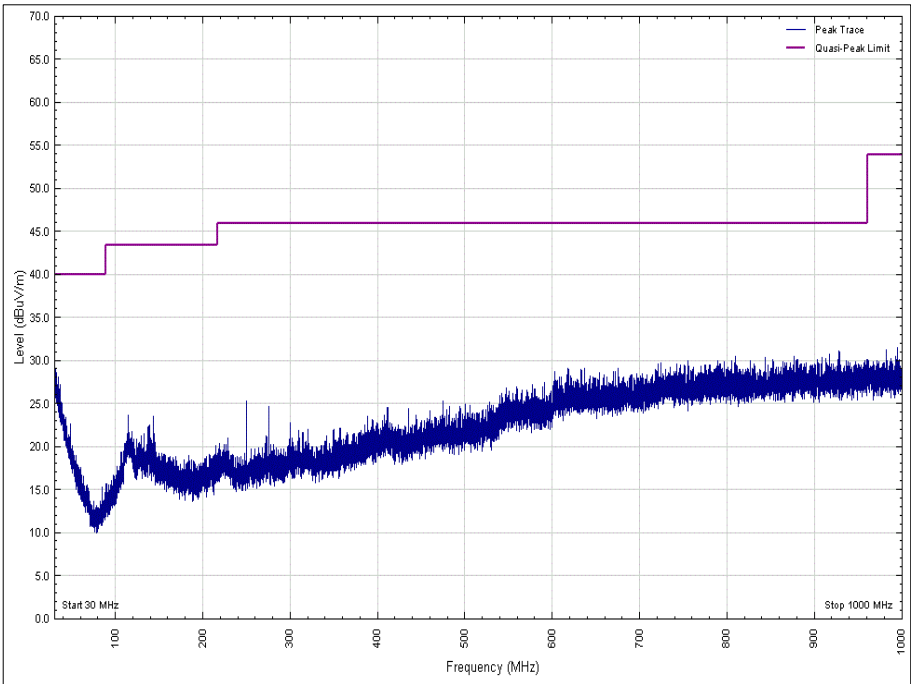


Figure 1004 – 5785 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: Z - MIMO



Frequency (GHz)	Result (dBµV/m)		Limit (dBµV/m)		Margin (dB)		Polarity	EUT Orientation
	Peak	Average	Peak	Average	Peak	Average		
17.349271	64.15	-	68.23	-	4.08	-	Horizontal	X
1.446240	-	48.23		53.98	-	5.75	Vertical	Z

Table 338 - MHz, 1 GHz to 40 GHz- MIMO

No other emissions were detected within 10 dB of the limit.

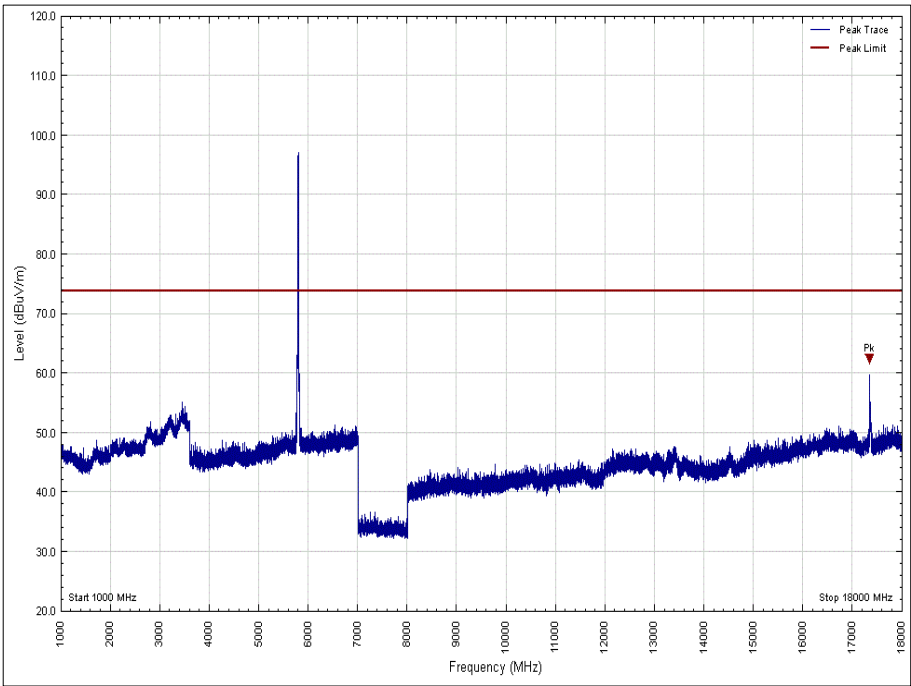
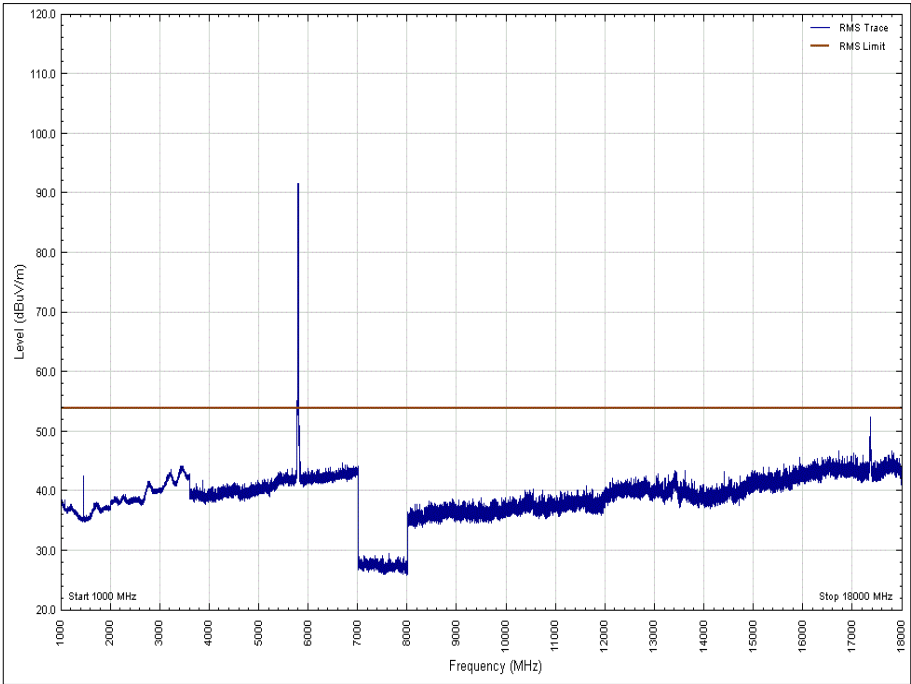
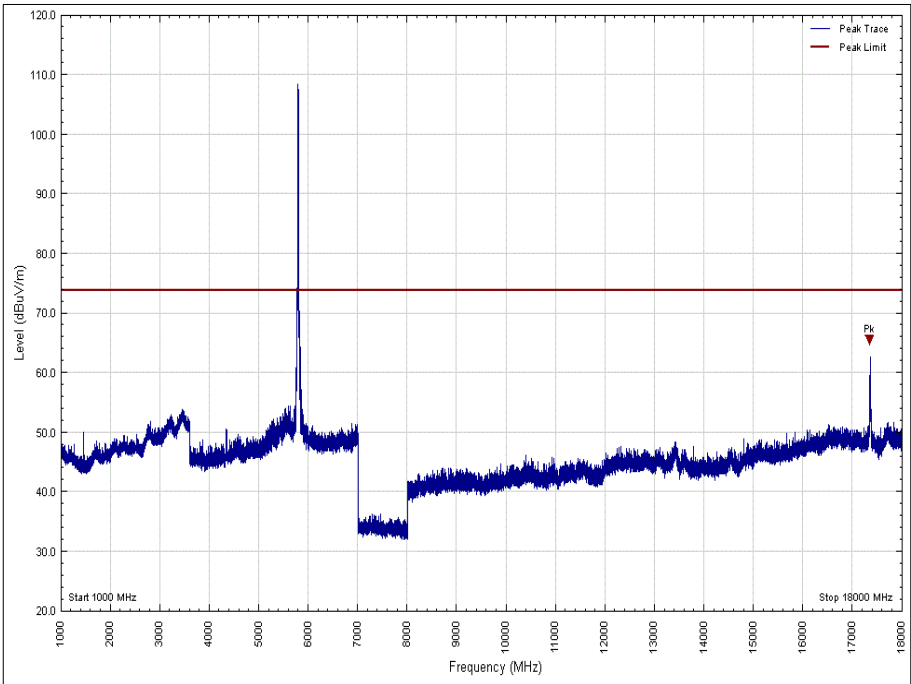


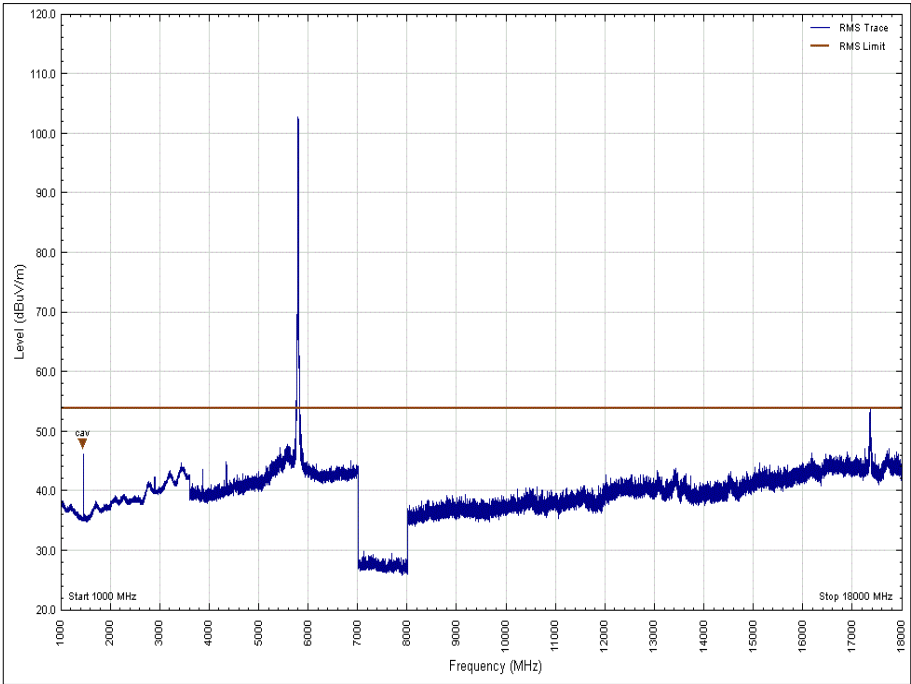
Figure 1005 – 5785 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: X - MIMO



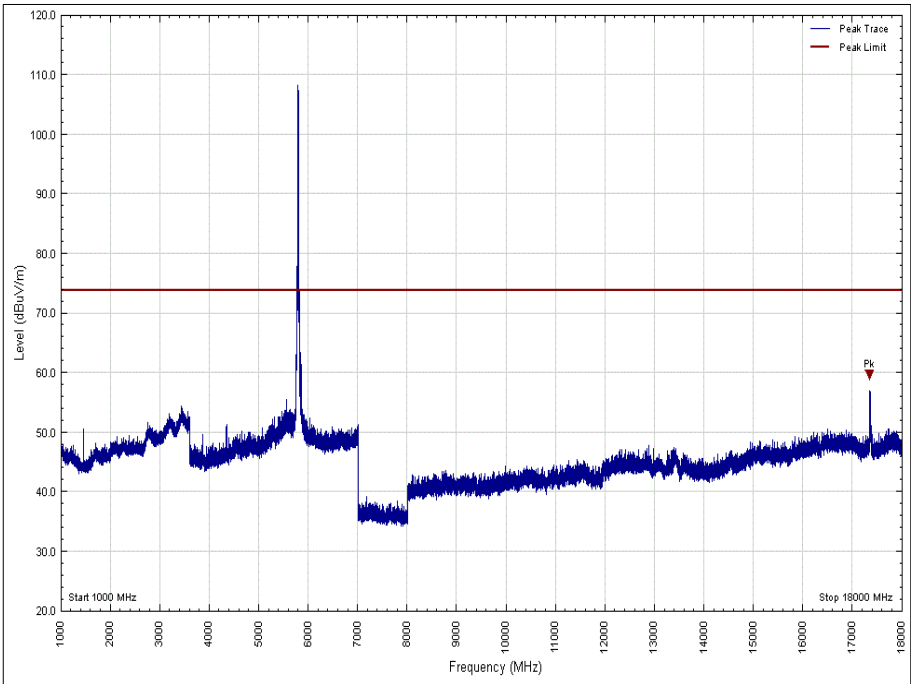
**Figure 1006 – 5785 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: X - MIMO**



**Figure 1007 – 5785 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: X - MIMO**



**Figure 1008 – 5785 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: X - MIMO**



**Figure 1009 – 5785 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: Y - MIMO**

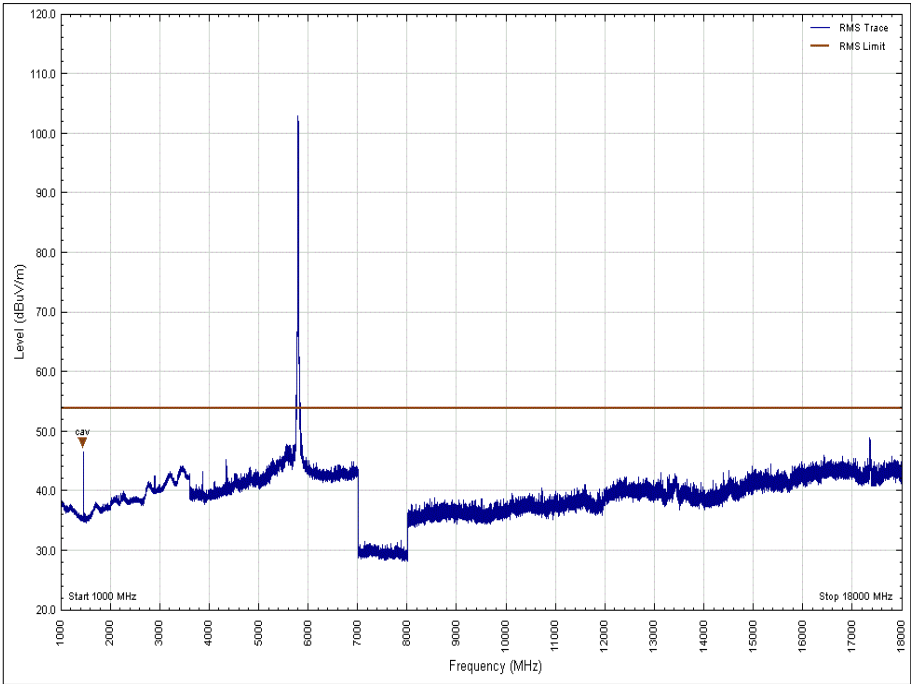


Figure 1010 – 5785 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Y - MIMO

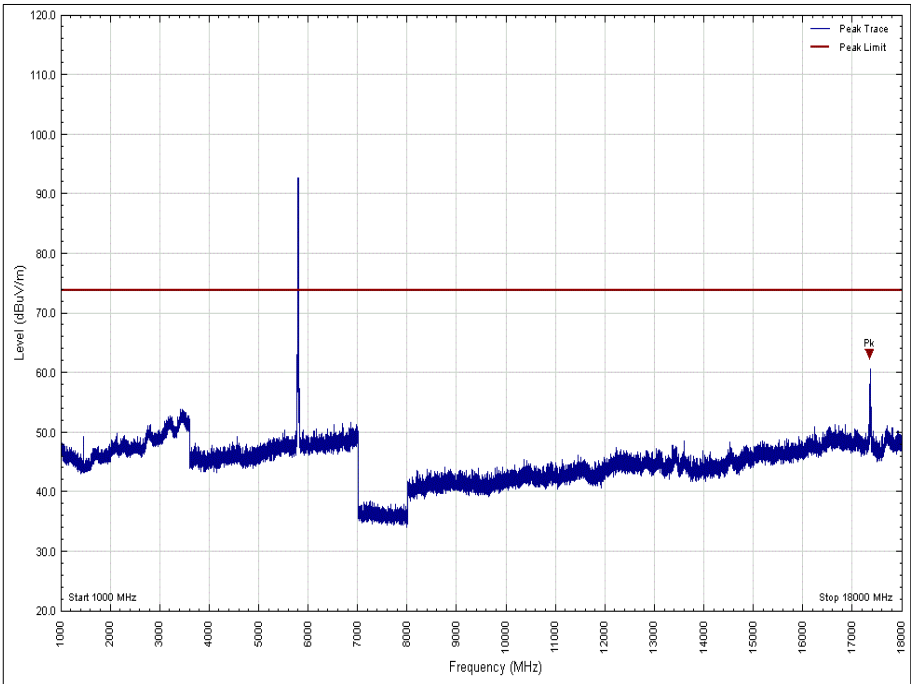
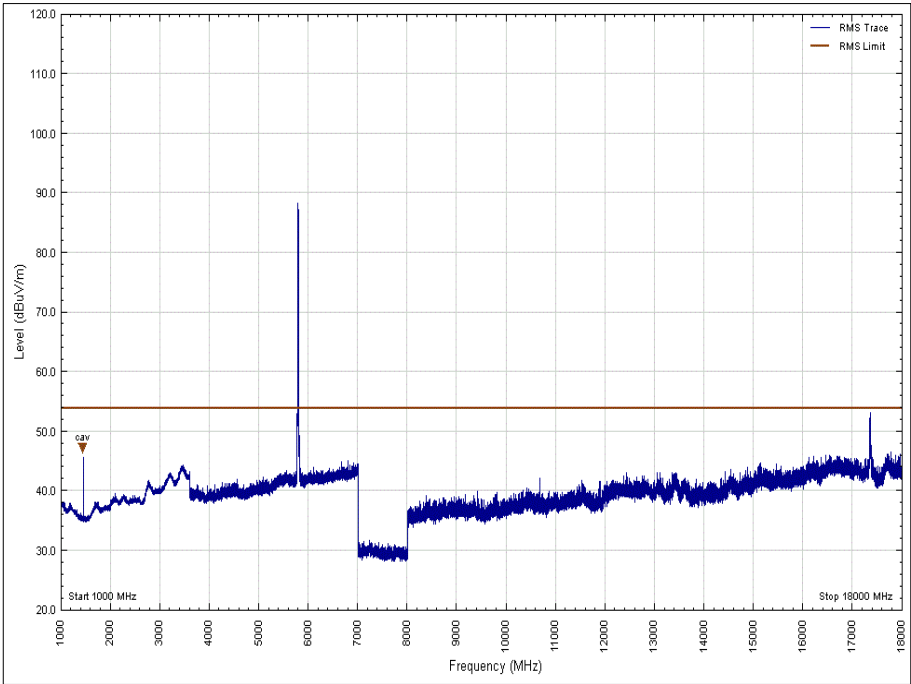
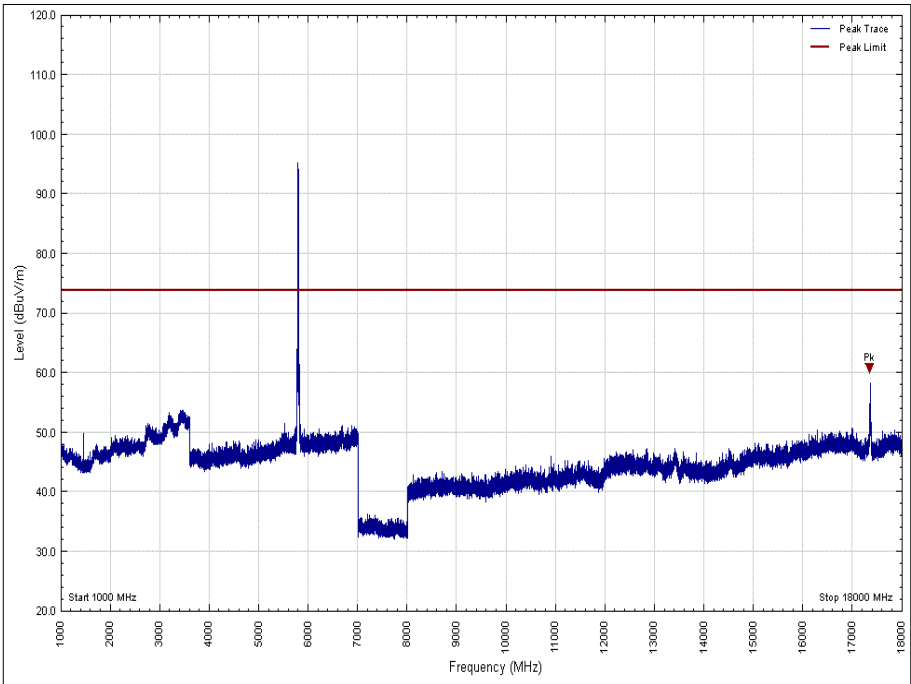


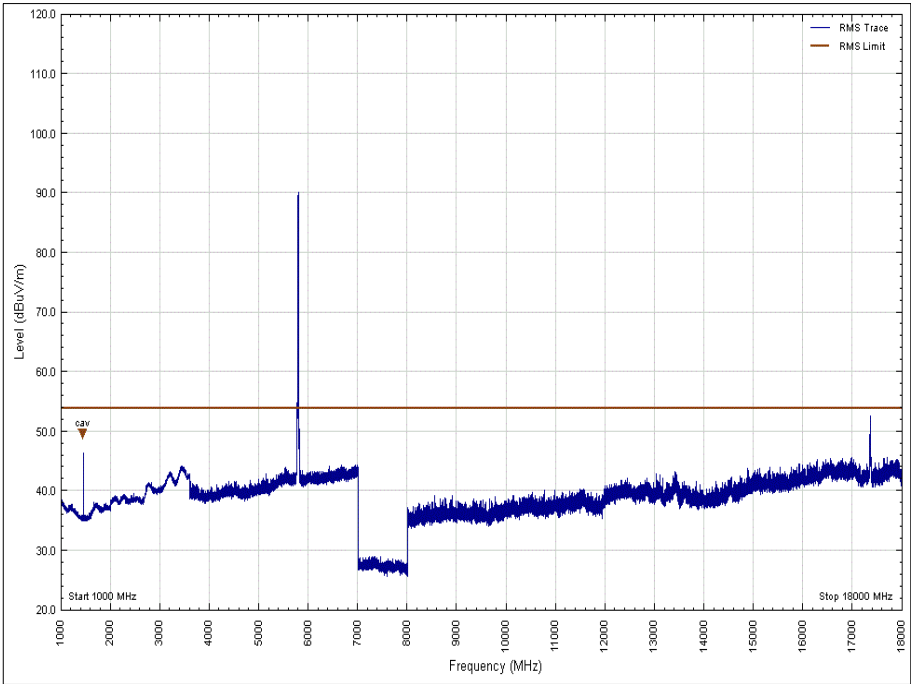
Figure 1011 – 5785 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: Y - MIMO



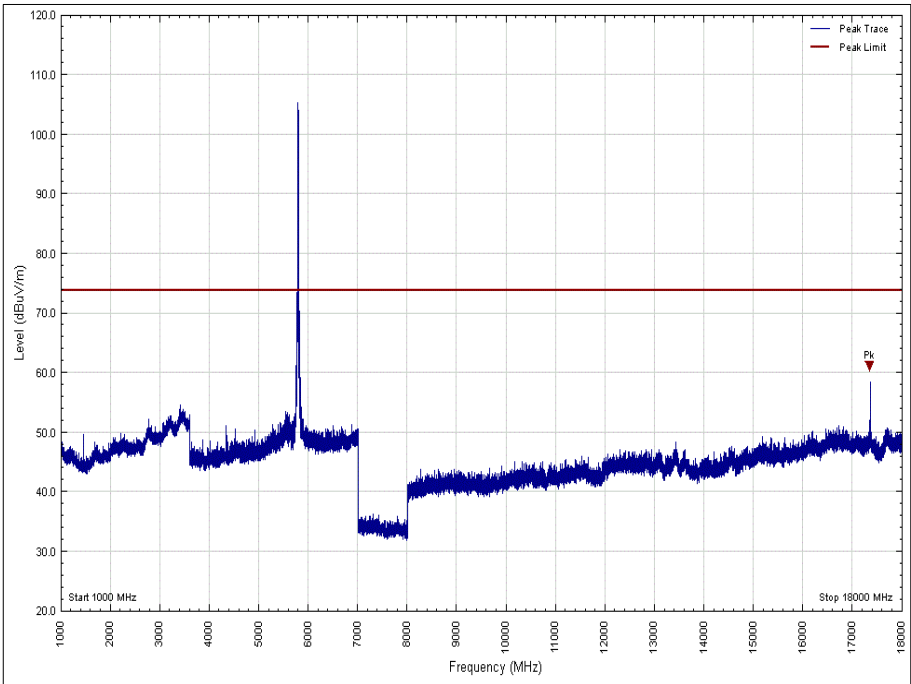
**Figure 1012 – 5785 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Y - MIMO**



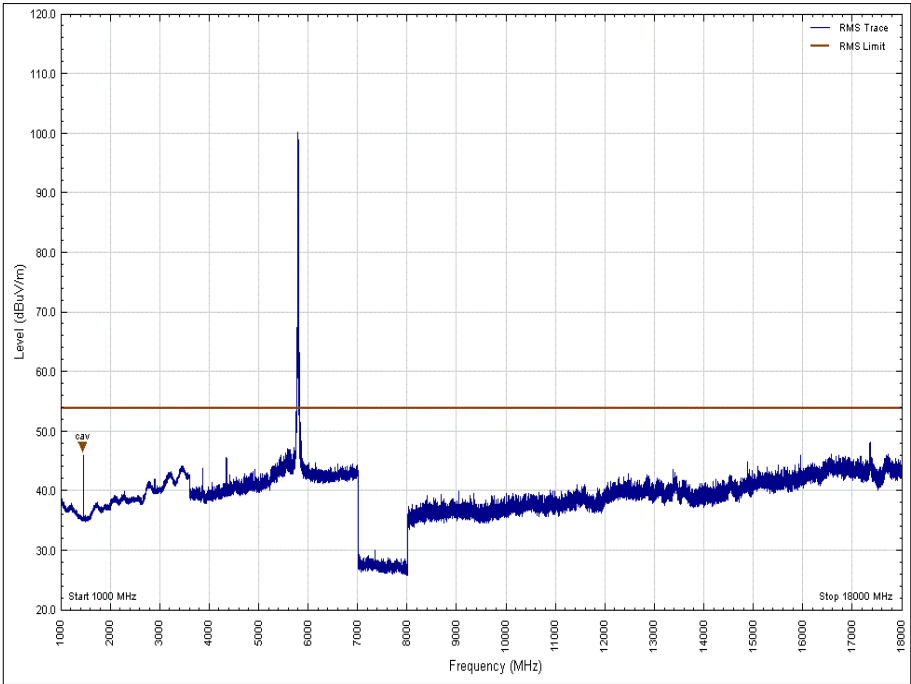
**Figure 1013 – 5785 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: Z - MIMO**



**Figure 1014 – 5785 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Z - MIMO**



**Figure 1015 – 5785 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: Z - MIMO**



**Figure 1016 – 5785 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Z - MIMO**



Frequency (MHz)	Result (dBµV/m)		Limit (dBµV/m)		Margin (dB)		Polarity	EUT Orientation
	Peak	Average	Peak	Average	Peak	Average		
59.573	31.47	-	40.00	-	8.53	-	Vertical	X

Table 339 – 5825 MHz, 30 MHz to 1 GHz - MIMO

No other emissions were detected within 10 dB of the limit.

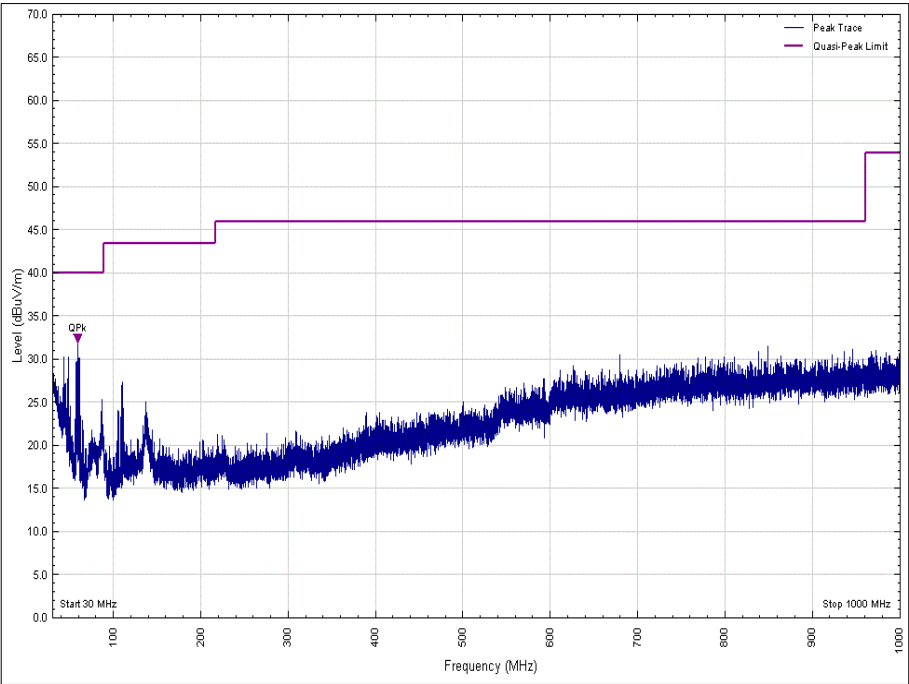


Figure 1017 - 5825 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: X - MIMO

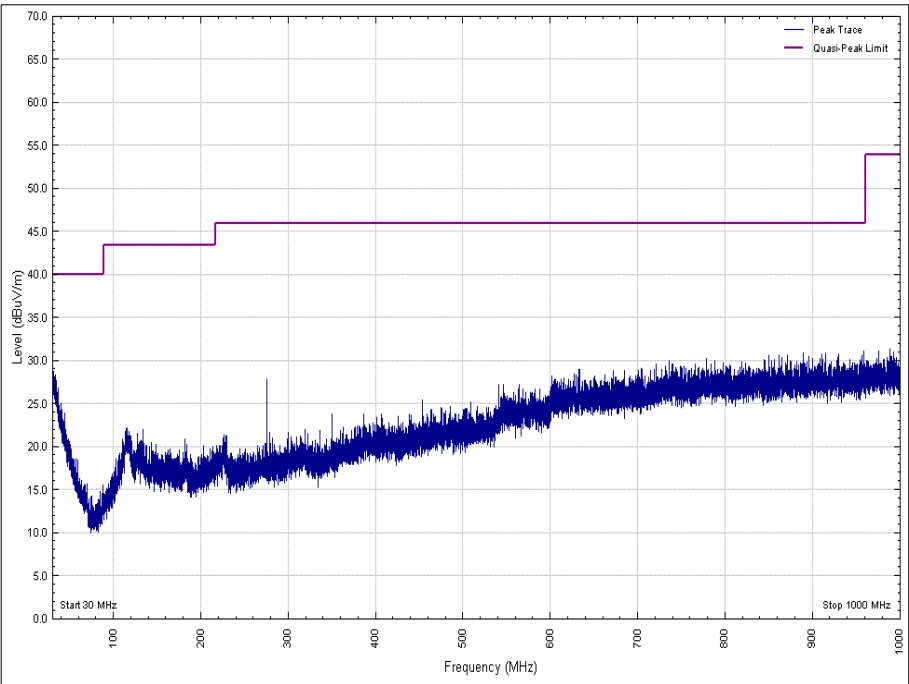


Figure 1018 - 5825 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: X - MIMO

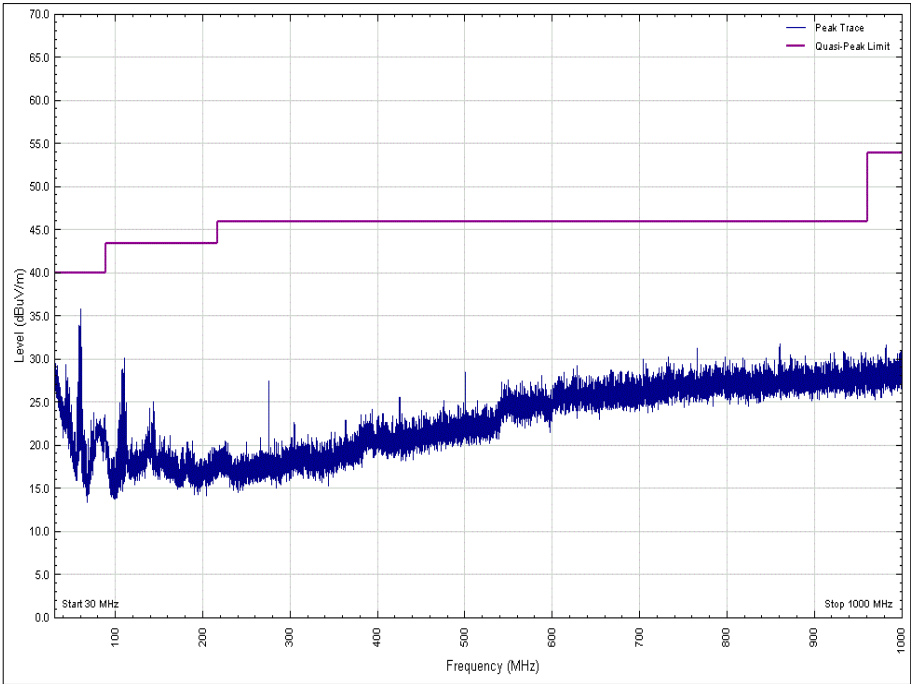


Figure 1019 - 5825 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: Y - MIMO

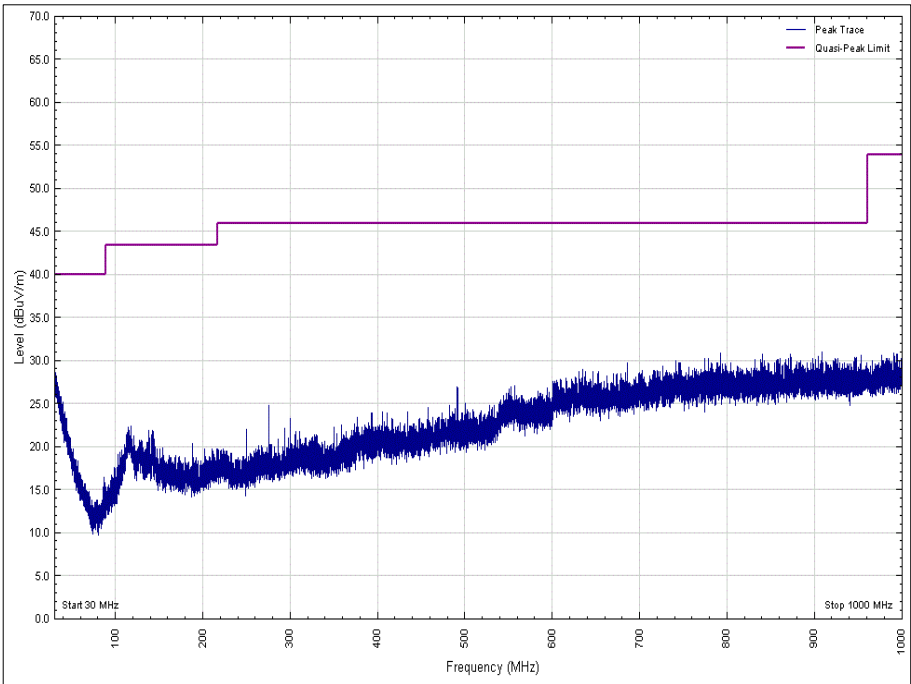


Figure 1020 - 5825 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: Y - MIMO

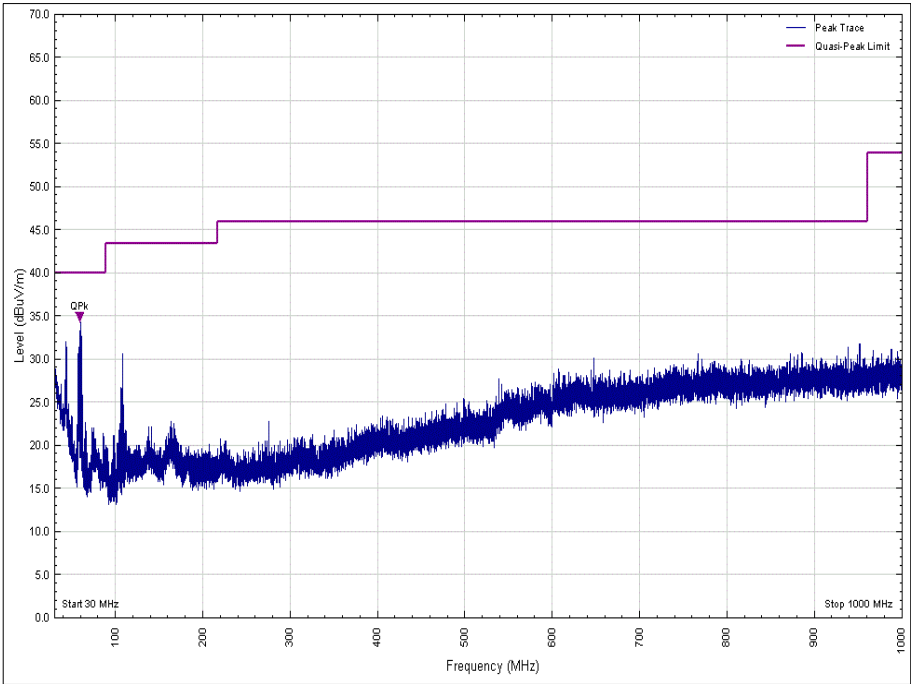


Figure 1021 - 5825 MHz - 30 MHz to 1 GHz, Polarity: Vertical, EUT Orientation: Z - MIMO

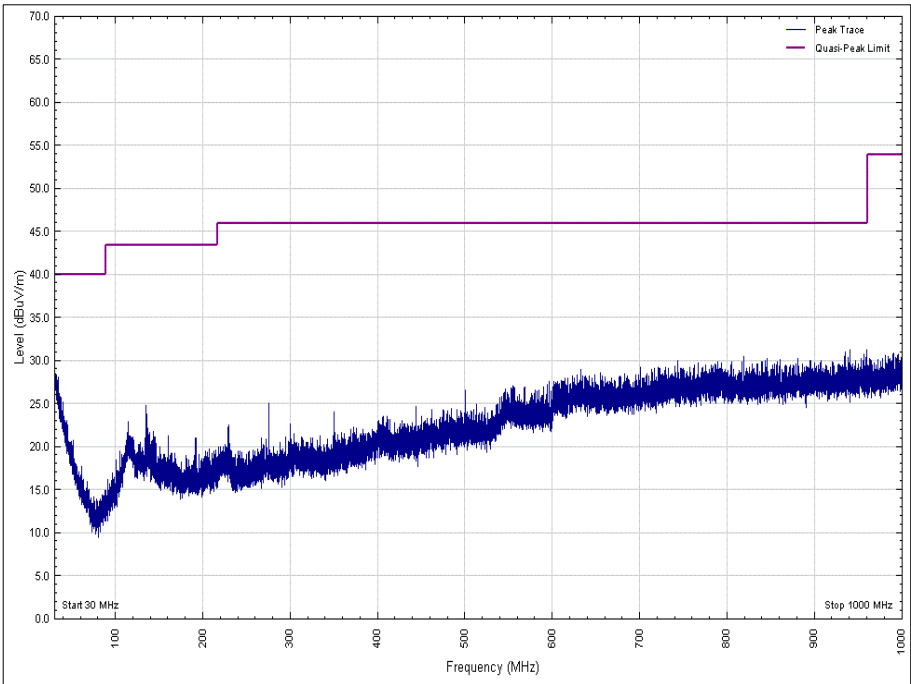


Figure 1022 - 5825 MHz - 30 MHz to 1 GHz, Polarity: Horizontal, EUT Orientation: Z - MIMO



Frequency (GHz)	Result (dBµV/m)		Limit (dBµV/m)		Margin (dB)		Polarity	EUT Orientation
	Peak	Average	Peak	Average	Peak	Average		
17.465695	64.55	-	68.23	-	4.68	-	Vertical	X
1.456260	-	49.92	-	53.98	-	4.06	Vertical	Z

Table 340 – 5825 MHz, 1 GHz to 40 GHz - MIMO

No other emissions were detected within 10 dB of the limit.

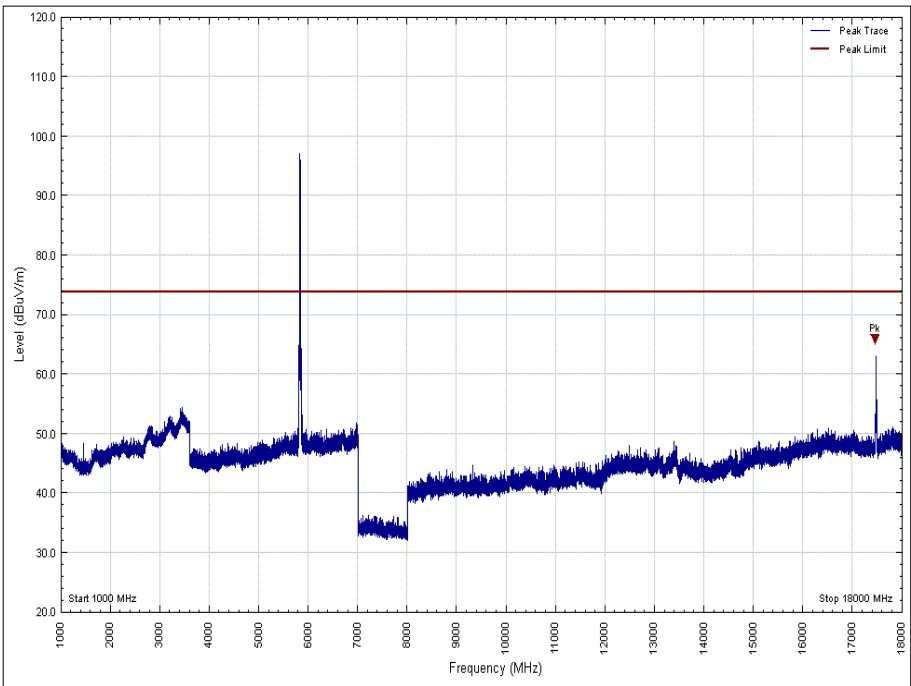
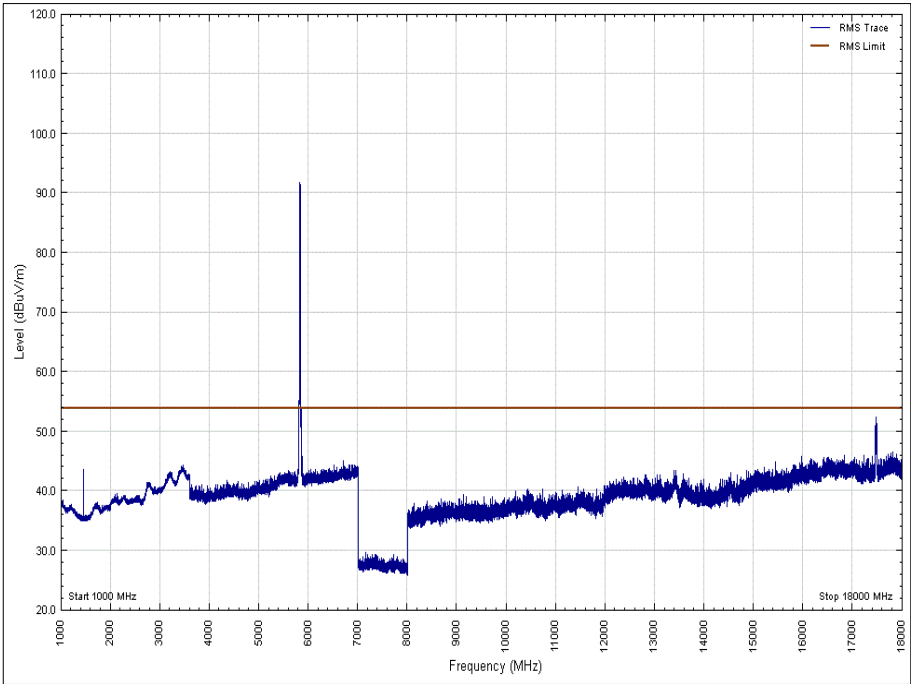
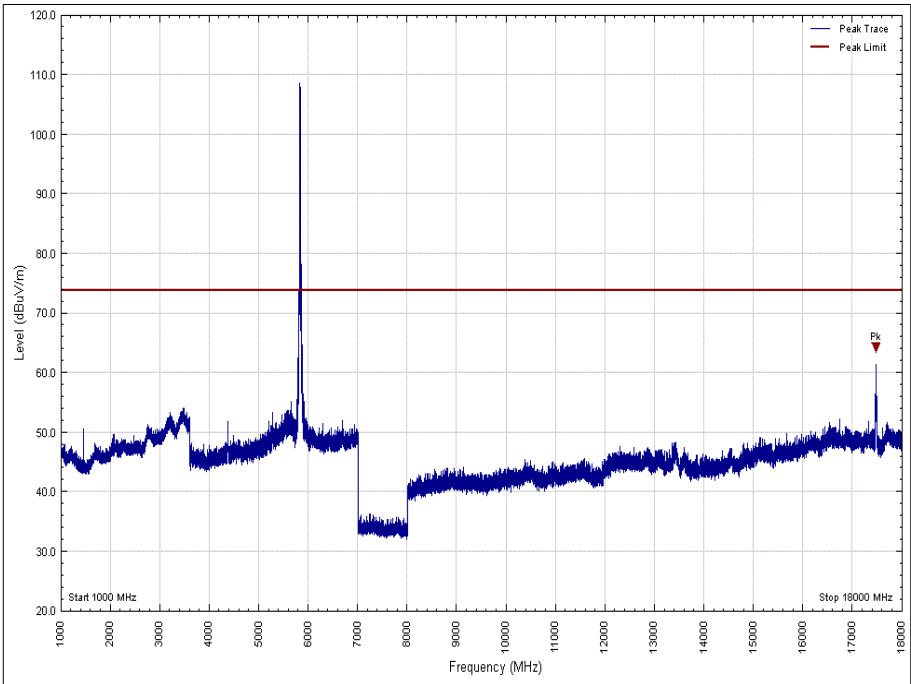


Figure 1023 – 5825 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: X - MIMO



**Figure 1024 – 5825 MHz - 1 GHz to 18 GHz - Average,
Polarity: Vertical, EUT Orientation: X - MIMO**



**Figure 1025 – 5825 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Horizontal, EUT Orientation: X - MIMO**

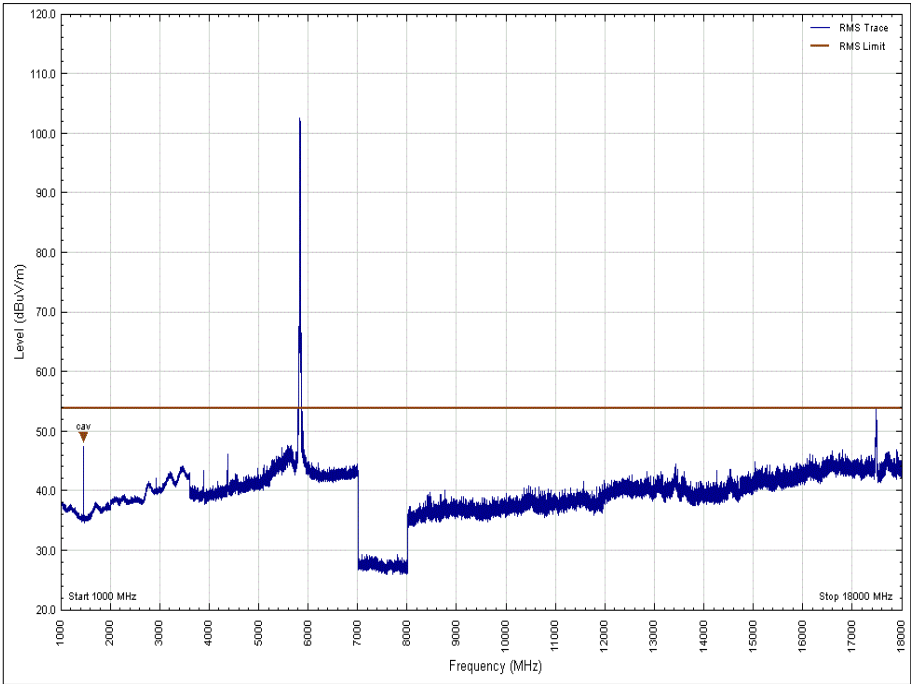


Figure 1026 – 5825 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: X - MIMO

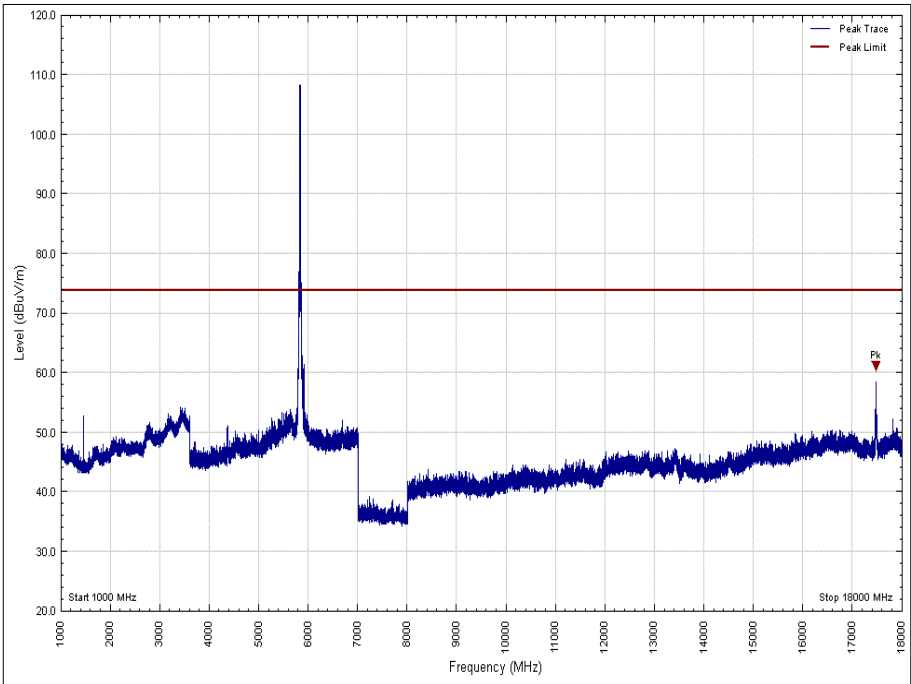


Figure 1027 – 5825 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: Y - MIMO

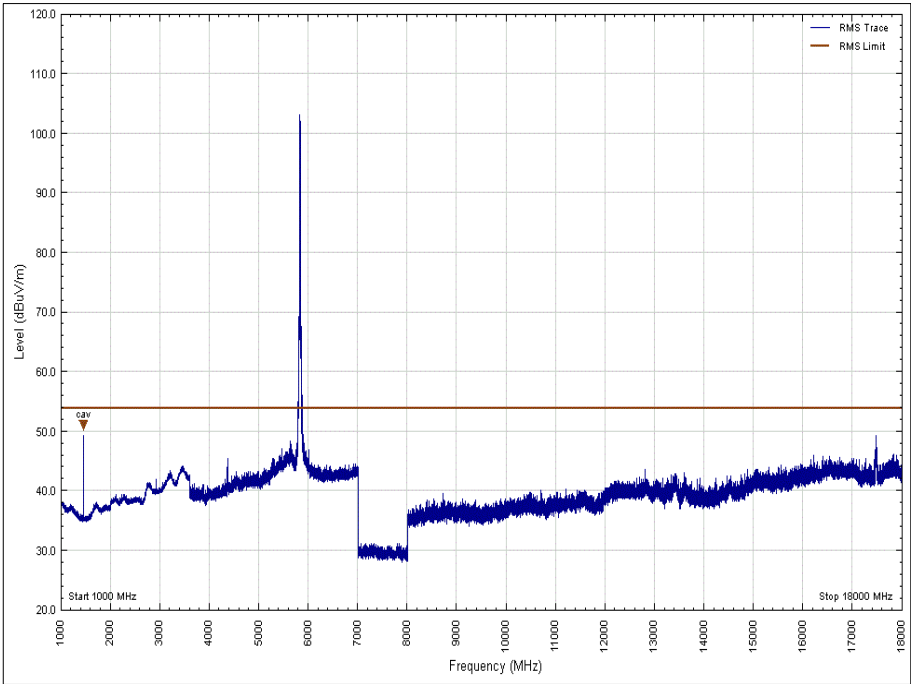


Figure 1028 – 5825 MHz - 1 GHz to 18 GHz - Average,
Polarity: Vertical, EUT Orientation: Y - MIMO

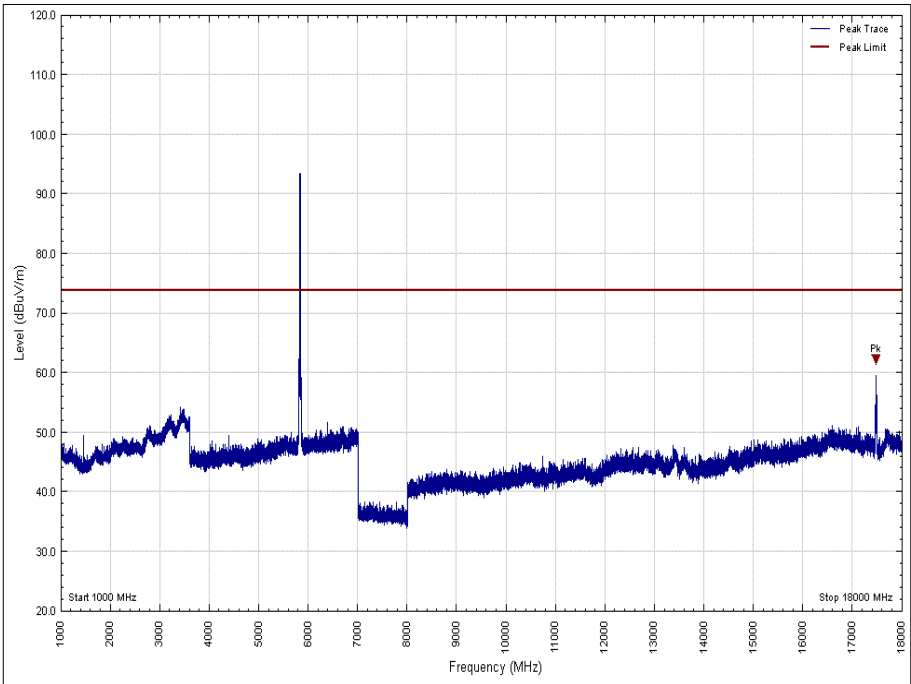
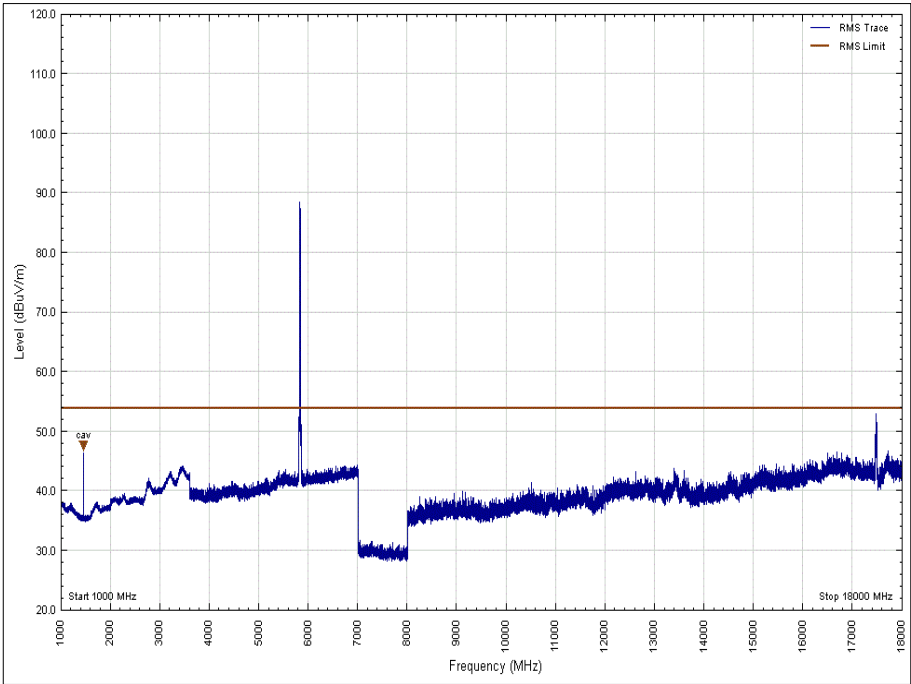
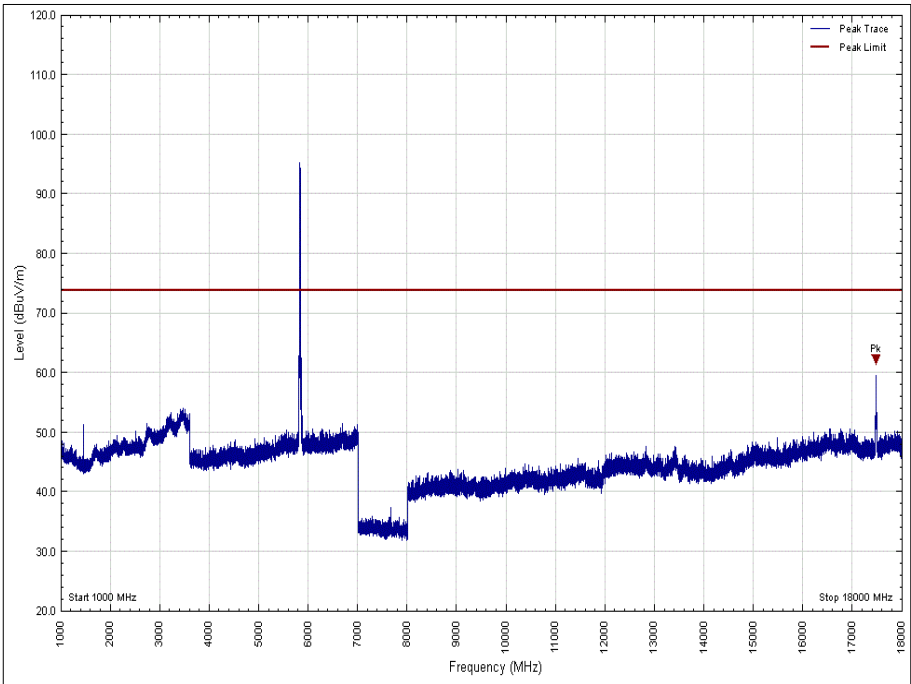


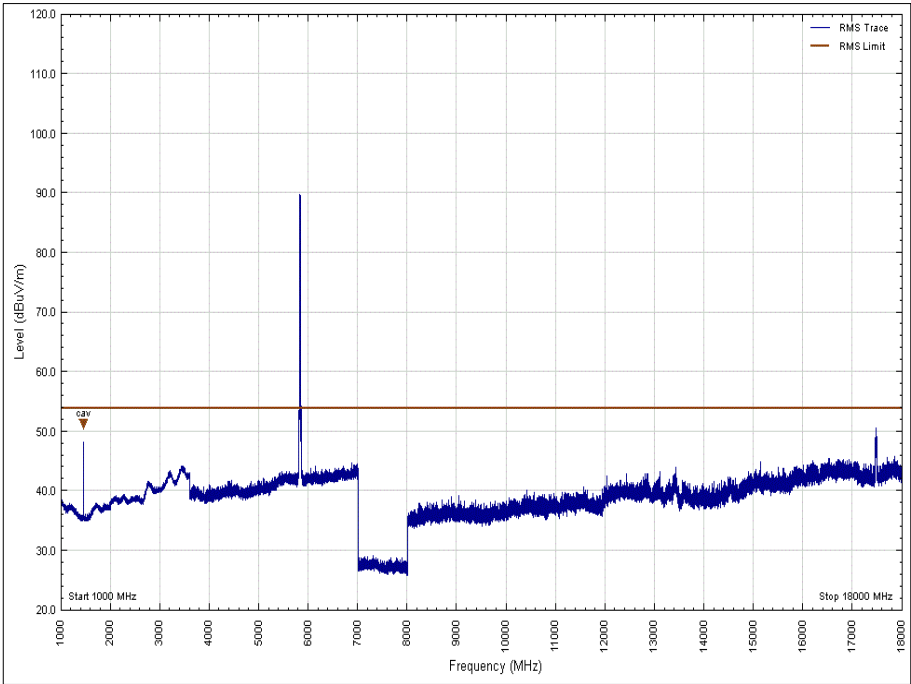
Figure 1029 – 5825 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Horizontal, EUT Orientation: Y - MIMO



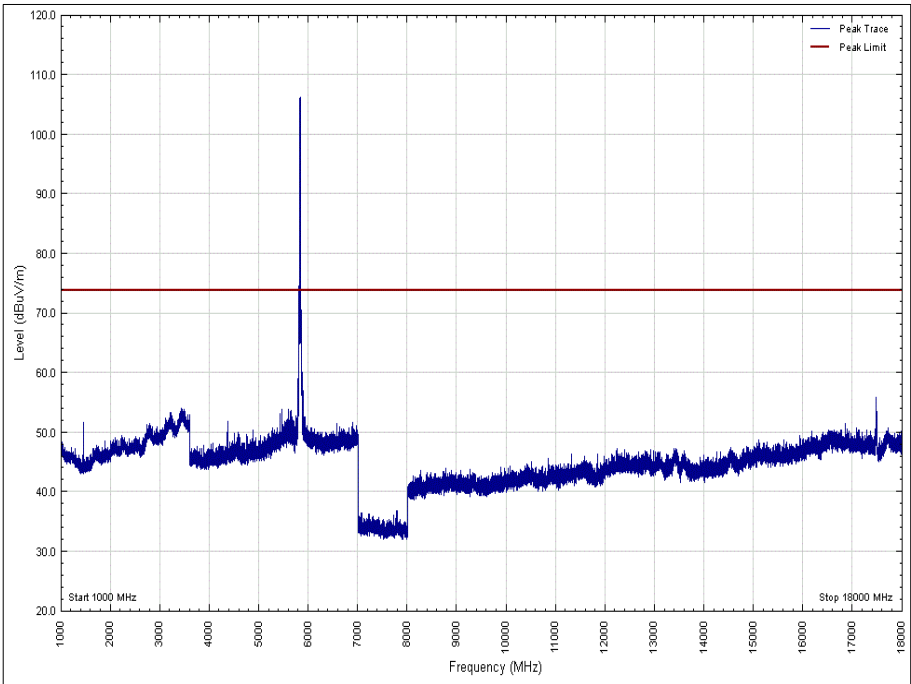
**Figure 1030 – 5825 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Y - MIMO**



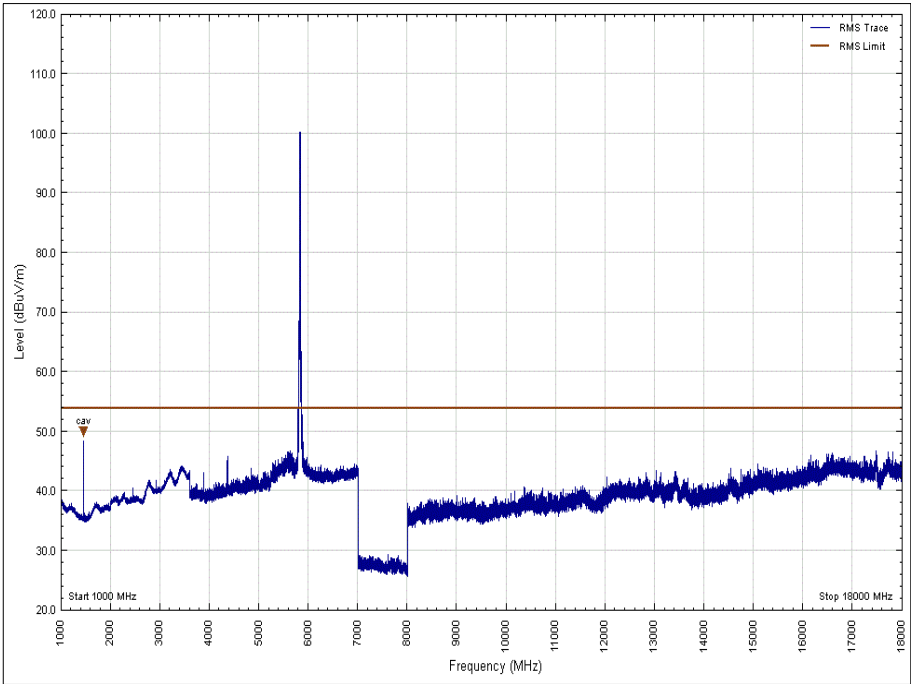
**Figure 1031 – 5825 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Vertical, EUT Orientation: Z - MIMO**



**Figure 1032 – 5825 MHz - 1 GHz to 18 GHz - Average,
Polarity: Vertical, EUT Orientation: Z - MIMO**



**Figure 1033 – 5825 MHz - 1 GHz to 18 GHz - Peak,
Polarity: Horizontal, EUT Orientation: Z – MIMO**



**Figure 1034 – 5825 MHz - 1 GHz to 18 GHz - Average,
Polarity: Horizontal, EUT Orientation: Z - MIMO**



FCC 47 CFR Part 15, Limit Clause 15.407(b)(1)(2)(3)(4)

Emissions not falling within the restricted bands listed in FCC 47 CFR Part 15.209:

For transmitters operating in the 5.15-5.25 GHz band: ≤ -27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.25-5.35 GHz band: ≤ -27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.47-5.725 GHz band: ≤ -27 dBm/MHz outside 5470-5725 MHz

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Emissions within the restricted bands listed in FCC 47 CFR Part 15.209:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 to 0.490	$2400/F(\text{kHz})$	300
0.490 to 1.705	$24000/F(\text{kHz})$	30
1.705 to 30	30	30
30 to 88	100	3
88 to 216	150	3
216 to 960	200	3
Above 960	500	3

Table 341 - Radiated Emissions Limit Table (FCC)



Industry Canada RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2 and Industry Canada RSS-GEN, Limit Clause 8.9

Emissions not falling within the restricted bands listed in Industry Canada RSS-GEN, Clause 8.10:

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB.

For transmitters with operating frequencies in the bands 5250-5350 MHz and 5470-5725 MHz, all emissions outside the band 5250-5350 MHz and 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

Emissions not falling within the restricted bands listed in Industry Canada RSS-GEN, Clause 8.10:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)
0.009 to 0.490	2400/F(kHz)
0.490 to 1.705	24000/F(kHz)
1.705 to 30	30
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

Table 342 - Radiated Emissions Limit Table (Industry Canada)



2.7.7 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 5

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
Antenna 18-40GHz (Double Ridge Guide)	Link Microtek Ltd	AM180HA-K-TU2	230	24	2-May-2020
Filter (High Pass)	Lorch	SHP7-7000-SR	566	12	6-Jun-2020
Pre-Amplifier	Phase One	PS04-0086	1533	12	8-Feb-2020
18GHz - 40GHz Pre-Amplifier	Phase One	PSO4-0087	1534	12	5-Feb-2020
Screened Room (5)	Rainford	Rainford	1545	36	23-Jan-2021
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Hygrometer	Rotronic	A1	2677	12	20-Feb-2020
Antenna with permanent attenuator (Bilog)	Chase	CBL6143	2904	24	8-Aug-2019
Comb Generator	Schaffner	RSG1000	3034	-	TU
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	17-Dec-2019
Cable 1503 2M 2.92(P)m 2.92(P)m	Rhophase	KPS-1503A-2000-KPS	4293	12	26-Oct-2019
1GHz to 8GHz Low Noise Amplifier	Wright Technologies	APS04-0085	4365	12	25-Oct-2019
Cable (Rx, Km-Km 2m)	Scott Cables	KPS-1501-2000-KPS	4526	6	11-Dec-2019
Double Ridged Waveguide Horn Antenna	ETS-Lindgren	3117	4722	12	5-Mar-2020
1 - 18GHz DRG Antenna	ETS-Lindgren	3117	4738	12	5-Mar-2020
Mast Controller	Maturo GmbH	NCD	4810	-	TU
Tilt Antenna Mast	Maturo GmbH	TAM 4.0-P	4811	-	TU
Double Ridge Broadband Horn Antenna	Schwarzbeck	BBHA 9120 B	4848	12	11-Mar-2020
4dB Attenuator	Pasternack	PE7047-4	4935	24	28-Nov-2019
8m N-Type RF Cable	Teledyne	PR90-088-8MTR	5093	12	4-Oct-2019
Cable (18 GHz)	Rosenberger	LU7-071-1000	5105	12	5-Oct-2019
Cable (18 GHz)	Rosenberger	LU7-071-2000	5109	12	5-Oct-2019
EmX Software	TUV SUD	EmX V.1.4.7	5125	-	N/A - Software
1.5m 40GHz RF Cable	Scott Cables	KPS-1501-2000-KPS	5127	6	11-Dec-2019
3 GHz High pass filter	Wainwright	WHKX12-2580-3000-18000-80SS	5220	12	15-Feb-2020

Table 343

TU - Traceability Unscheduled



2.8 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

2.8.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (h)(2)(iii)(iv)
ISED RSS-247, Clause 6.3.2 (c)(d)(e)

2.8.2 Equipment Under Test and Modification State

Minuet 2 Voice Reference Platform (FS6626), S/N: RAD113528 - Modification State 0
Minuet 2 Module (FS5352), S/N: RAD113257 - Modification State 0

2.8.3 Date of Test

20-June-2019 to 13-August 2019

2.8.4 Test Method

This test was performed in accordance with FCC KDB 905462 D02, clause 7.8.3. The EUT and test equipment was configured as described in the calibration setup section below.

Radar Pulse Type 0 was transmitted, and the spectrum monitored. The transmissions from the EUT were observed for a period of 12 seconds after the final injected Radar Pulse.

It was checked that all transmissions stopped within the 10 second period defined from the point of the end of the final Radar pulse + 10 seconds. In addition, the aggregate on time during the first 200ms and the following 9.8 seconds of the Channel Move Time was recorded.

The markers on the trace data correspond to the following time periods:

Red - End Of Radar Burst, (T0)
Purple - End Of 200ms Period, (T0 + 200 ms)
Orange - End Of Channel Move Time, (T0 + 10 seconds)

To verify the non-occupancy period, the PXI digitiser was replaced with a Spectrum Analyser. The external trigger from the Aeroflex DFS test system was used to trigger a 30 minute sweep from the moment the radar burst sequence was injected. It was verified that no transmissions occurred on the test channel during this time period.

2.8.5 Environmental Conditions

Ambient Temperature 22.3°C
Relative Humidity 55.8 %

2.8.6 Test Results

5 GHz WLAN - 802.11ac 80 MHz Bandwidth

Calibration of Radar Waveforms and EUT Channel Loading

The Aeroflex DFS Test System was used as both the radar signal generator and digitizer for result analysis. Data was transferred between the access point/router and the EUT via use of a test laptop running a TCP application.

Maximum Transmit Power	Value (Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	

Table 344 - DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

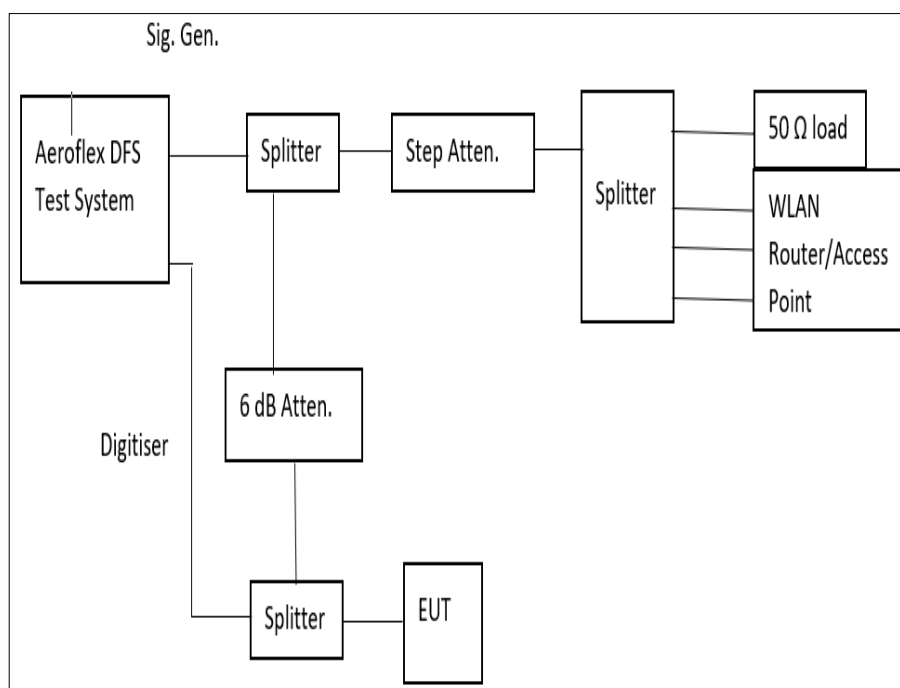


Figure 1035 - Test Equipment Setup for Client Without Radar Detection with Injection at the Master

Radar Type	Pulse Width (μ s)	PRI (μ s)	Number of Pulses
0	0 - 1	1428	18

Table 345 - Radar Pulse Type 0 Characteristics

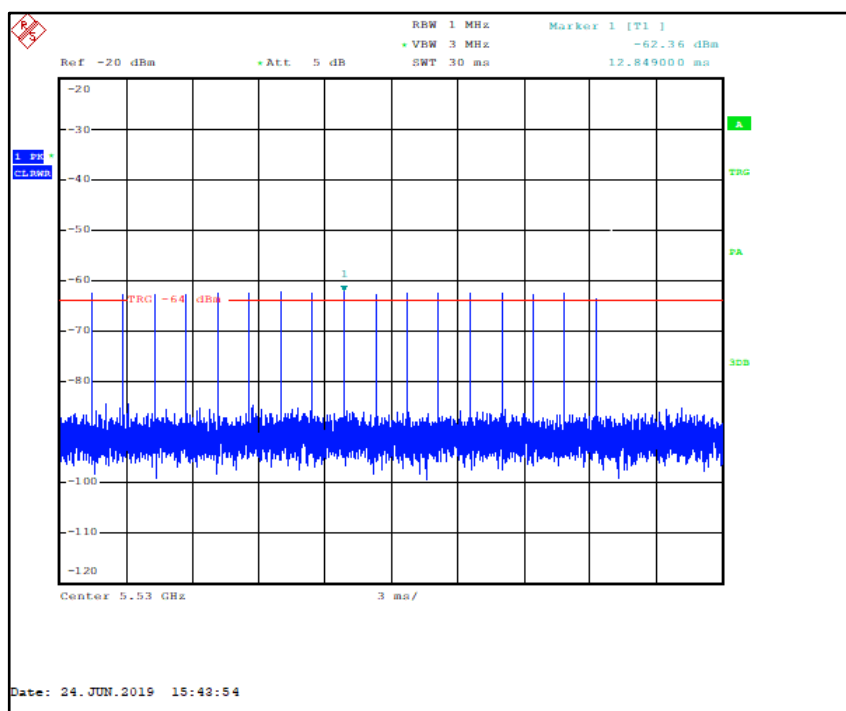


Figure 1036 - Verification of Radar Type 0

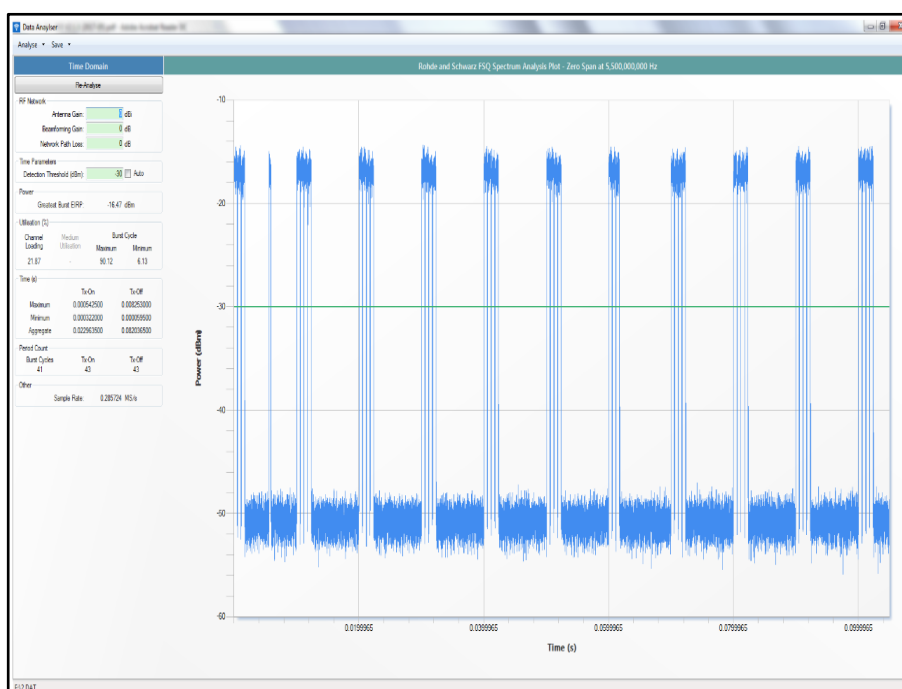


Figure 1037 - Channel Loading

The channel loading was measured as 21.87%



Test Parameter	Result
Channel Move Time	0.0164 s
Channel Closing Time (Aggregate Time During 200 ms)	0 ms
Channel Closing Time (Aggregate Time During 200 ms to 10 s)	0 ms
Channel Closing Time (Aggregate Time During 10 s)	0 ms
Transmission Observed During Non-Occupancy Period	None

Table 346 - Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test Results

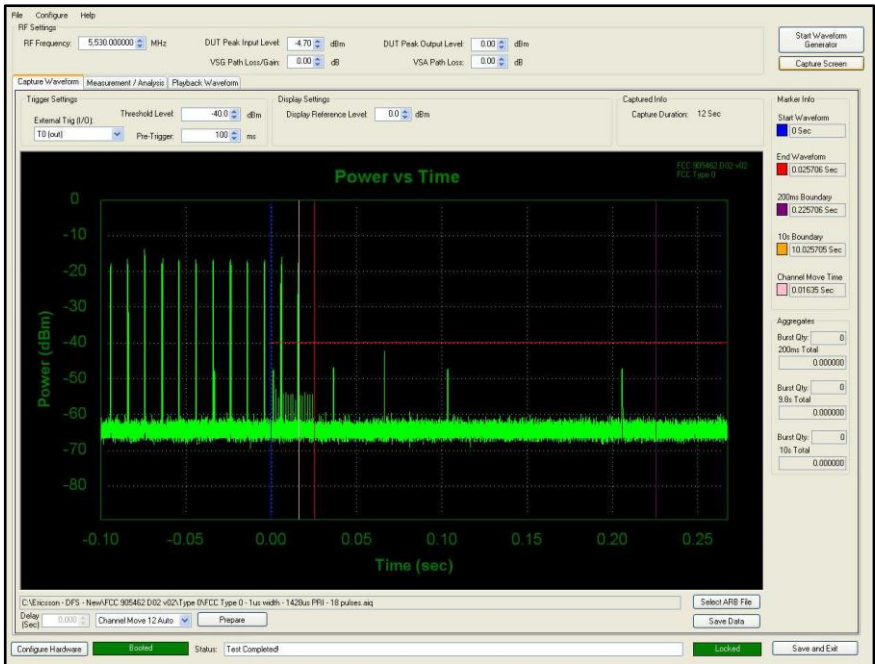


Figure 1038 - First 200 ms of Channel Shutdown Period

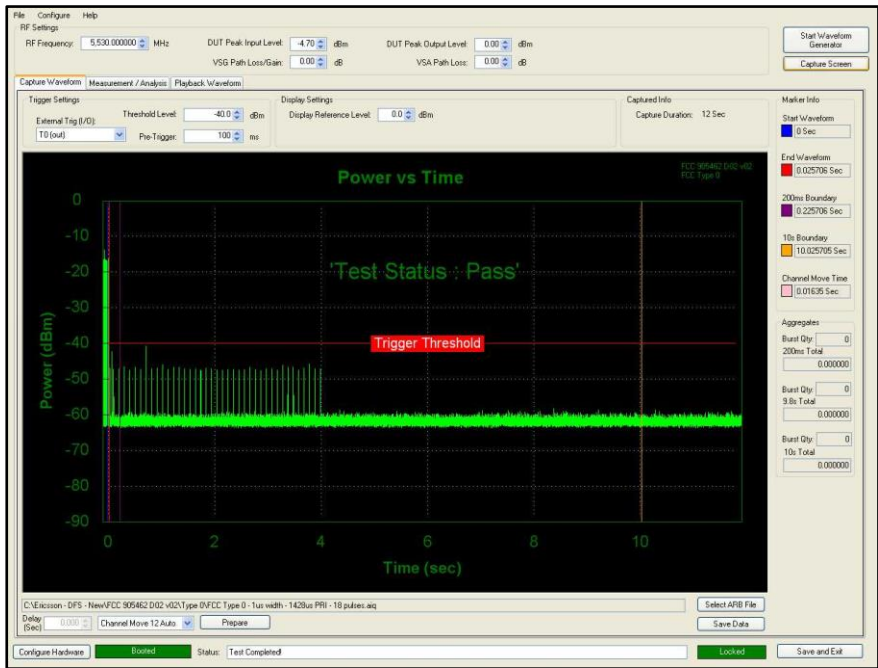


Figure 1039 - 10 s Channel Shutdown

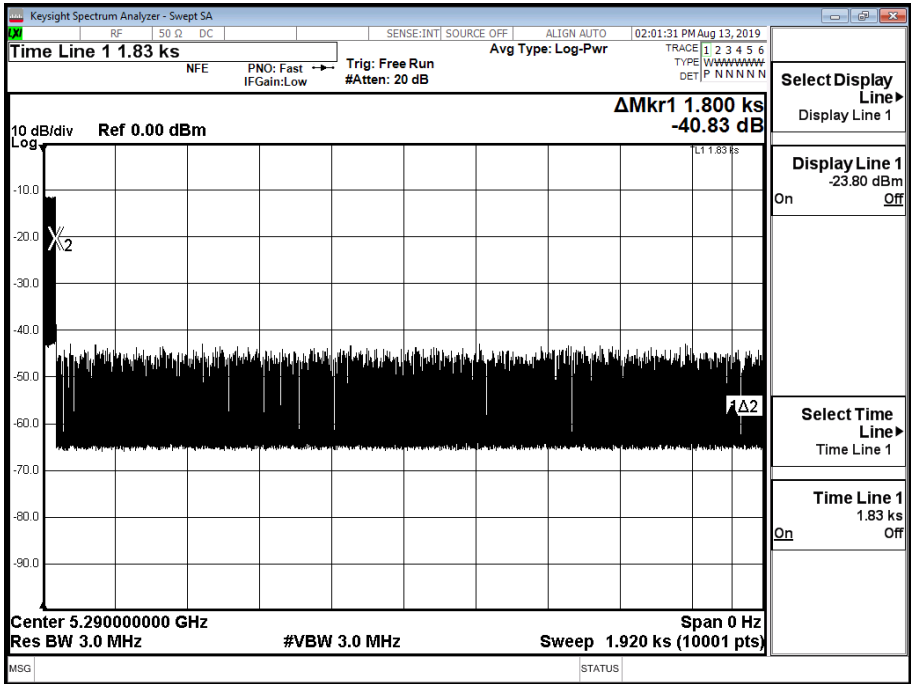


Figure 1040 - Non - Occupancy Period



FCC 47 CFR Part 15, Limit Clause 15.407 (h)(2)(iii)

Channel Move Time	<10 seconds
Channel Closing Time (Aggregate Time During 200ms)	<200 ms
Channel Closing Time (Aggregate Time During +200ms to 10s)	<60 ms

Table 347

FCC 47 CFR Part 15, Limit Clause 15.407 (h)(2)(iv)

Non-occupancy Period	> 30 minutes
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Table 348



2.8.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 10 and RF Laboratory 3.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
Attenuator (Software Driver)	Hewlett Packard	11713A	116	-	TU
Attenuator (11dB, 1W)	Hewlett Packard	8494H	2785	-	TU
Attenuator (110dB, 1W)	Hewlett Packard	8496H	2786	-	TU
Hygrometer	Rotronic	I-1000	2891	12	18-Sep-2019
Hygrometer	Rotronic	I-1000	3068	12	21-Jun-2019
True RMS Multimeter	Fluke	179	4006	12	22-Jan-2020
PXI RF Digitizer	Aeroflex	3035	4012	24	15-Mar-2020
PXI RF Synthesizer	Aeroflex	3010	4013	24	15-Mar-2020
PXI RF Synthesizer	Aeroflex	3011	4014	24	15-Mar-2020
PXI Digital RF Signal Generator	Aeroflex	3025	4015	24	15-Mar-2020
1800-6000 MHz Power Splitter	Mini-Circuits	ZN2PD-63-S+	4055	-	O/P Mon
4 Channel PSU	Rohde & Schwarz	HMP4040	4736	-	O/P Mon
Power splitter - 2 port	Mini-Circuits	ZN2PD-63-S+	4742	12	19-Sep-2019
Wireless Cable & Fibre Router - AC 1900, Dual-band	Asus	RT-AC68U	4881	-	TU
EXA	Keysight Technologies	N9010B	4969	24	21-Dec-2019
Cable (18 GHz)	Rosenberger	LU7-071-1000	5096	12	4-Oct-2019
Cable (18 GHz)	Rosenberger	LU7-071-1000	5099	12	4-Oct-2019
Cable (18 GHz)	Rosenberger	LU7-071-2000	5110	12	5-Oct-2019
Power Splitter, 4 way	Mini-Circuits	ZN4PD1-63-S+	5236	-	O/P Mon
Power Splitter, 2 way	Mini-Circuits	ZN2PD2-63-S+	5238	-	O/P Mon

Table 349

TU - Traceability Unscheduled

O/P Mon – Output Monitored using calibrated equipment

3 Photographs

3.1 Test Setup Photographs

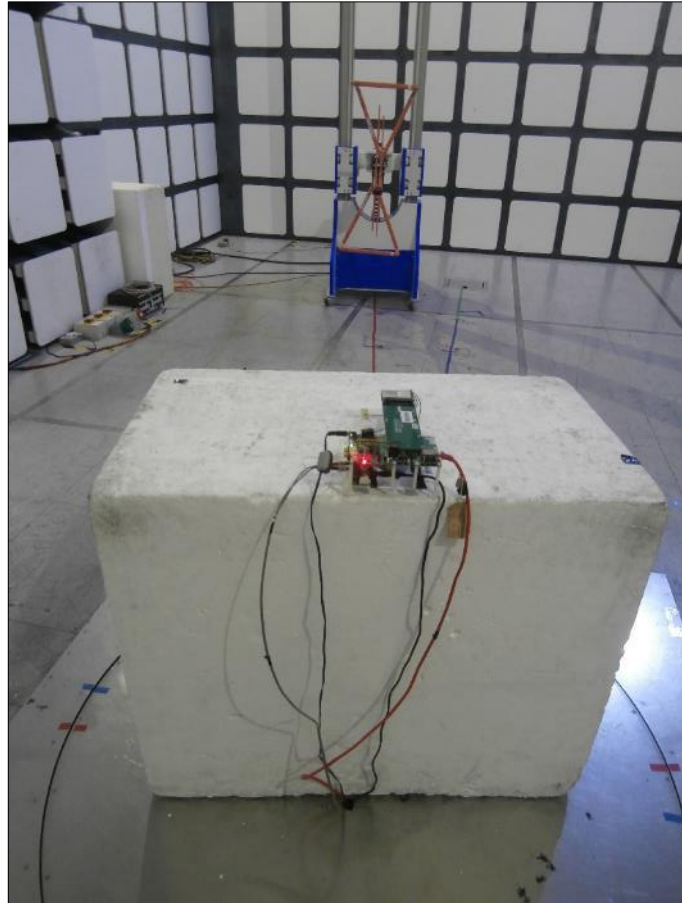


Figure 1041 - 30 MHz to 1 GHz - X Orientation

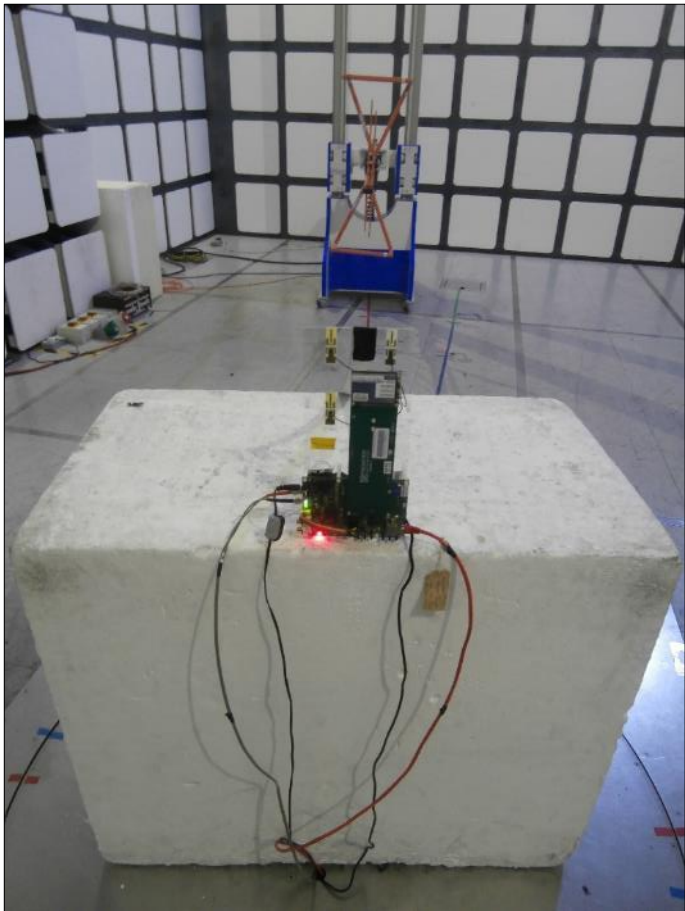


Figure 1042 - 30 MHz to 1 GHz - Y Orientation

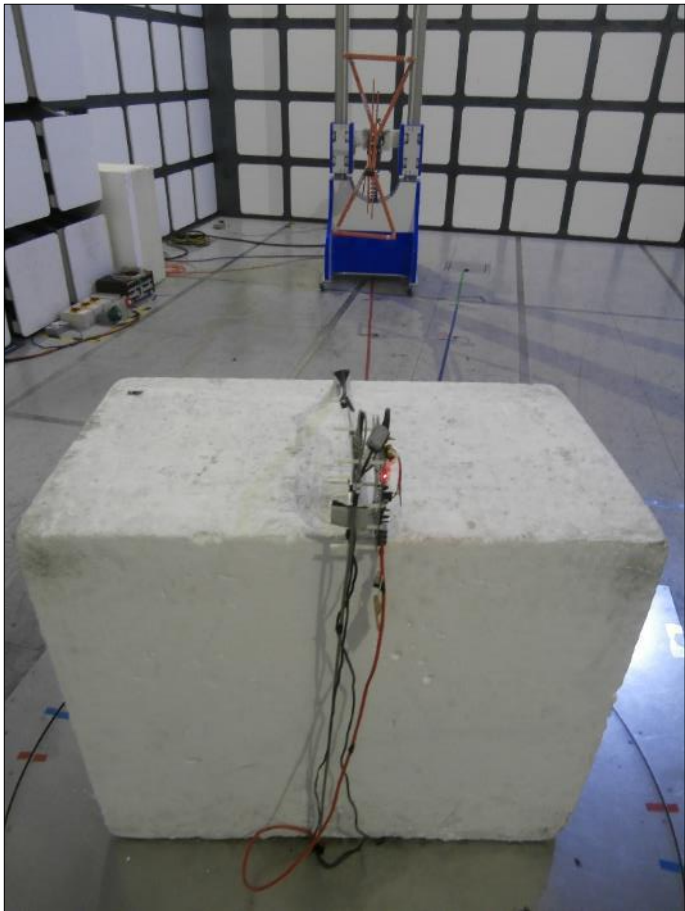


Figure 1043 - 30 MHz to 1 GHz - Z Orientation



Figure 1044 - 1 GHz to 8 GHz - X Orientation

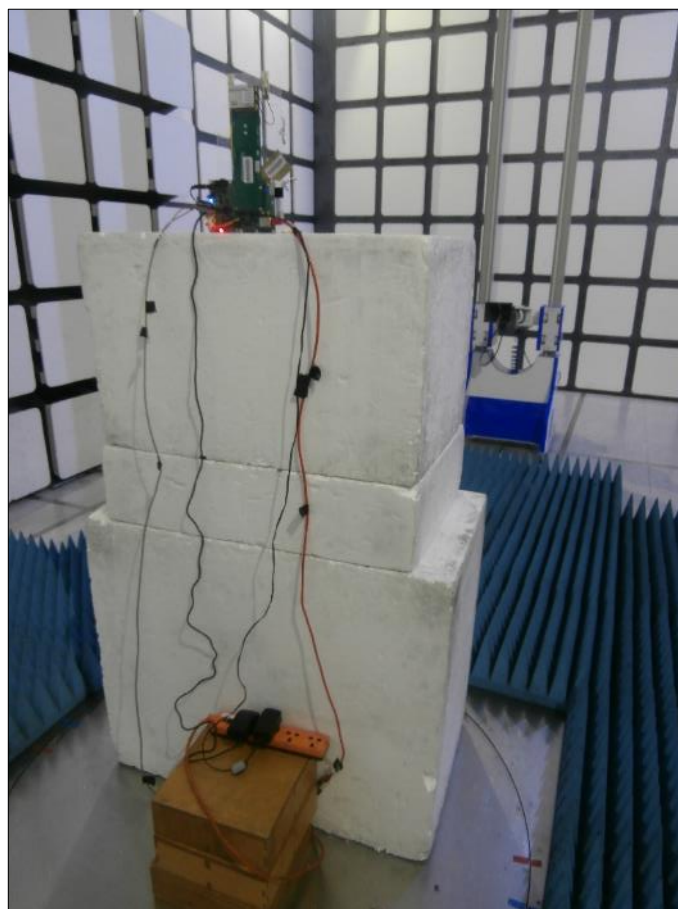


Figure 1045 - 1 GHz to 8 GHz - Y Orientation



Figure 1046 - 1 GHz to 8 GHz - Z Orientation



Figure 1047 - 8 GHz to 18 GHz - X Orientation



Figure 1048 - 8 GHz to 18 GHz - Y Orientation



Figure 1049 - 8 GHz to 18 GHz - Z Orientation



Figure 1050 - 18 GHz to 40 GHz - X Orientation



Figure 1051 - 18 GHz to 40 GHz - Y Orientation



Figure 1052 - 18 GHz to 40 GHz - Z Orientation



4 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
AC Power Line Conducted Emissions	150 kHz to 30 MHz, LISN, ± 3.7 dB
Maximum Conducted Output Power	± 3.2 dB
Maximum Conducted Power Spectral Density	± 3.2 dB
Emission Bandwidth	± 2.028 MHz
Restricted Band Edges	± 6.3 dB
Authorised Band Edges	± 6.3 dB
Spurious Radiated Emissions	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB
Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period	Time: ± 0.47 % Power: ± 1.29 dB

Table 350