



7.7. Radiated Spurious Emission

Requirements

Frequency(MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Procedures

Configure the EUT according to ANSI C63.10. The EUT is placed on a non-conducting turntable 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The turntable is rotated through 360 degrees to find out the maximum radiated emission level. The antenna is scanned from 1 to 4 meters and polarized in both the vertical and the horizontal polarizations to find out the maximum radiated emission level. The antenna to EUT distance is 3 meters.

[For below 1 GHz]

Use 100kHz RBW and 300kHz VBW 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

[For above 1 GHz]

Use 1MHz RBW, 3MHz VBW and peak detector for peak measurements; 1MHz RBW, 3MHz VBW and RMS detector for average measurements.

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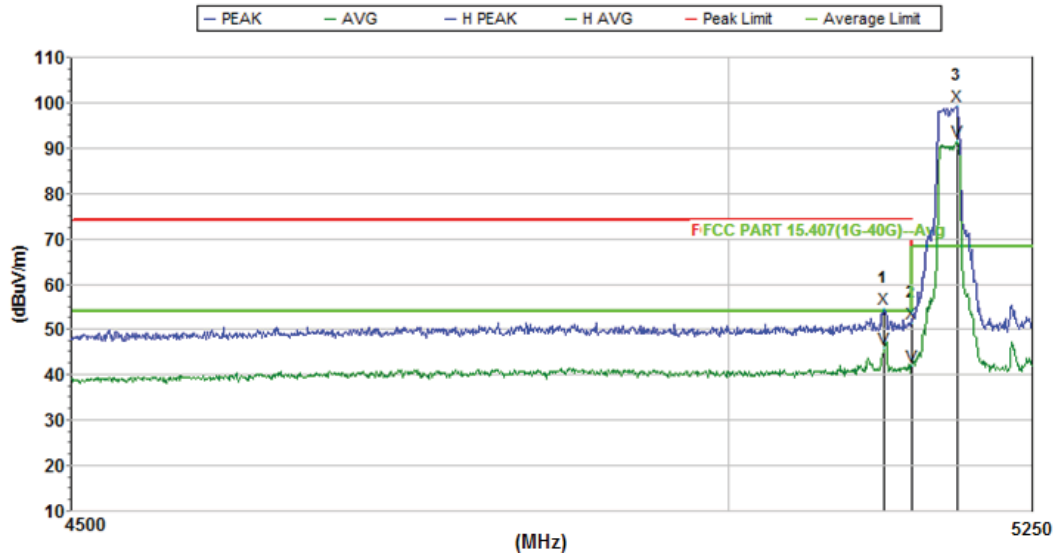
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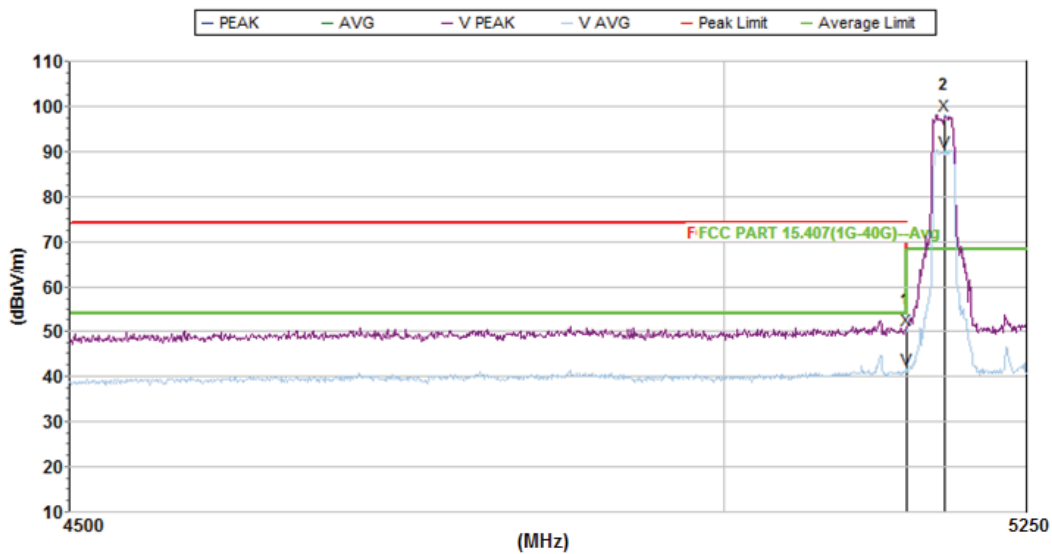
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Test Data

Restricted Bandedge 802.11a Chain 0 Ch 36 5180MHz Horizontal



Restricted Bandedge 802.11a Chain 0 Ch 36 5180MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5127.000	54.5	74.0	19.5	31.6	42.0	6.6	10.0	H
2	5150.000	51.4	74.0	22.6	31.6	42.0	6.7	10.0	H
3 F	5187.000	99.4	-	-	31.7	42.0	6.7	10.0	H
Avg									
1	5127.000	45.9	54.0	8.1	31.6	42.0	6.6	10.0	H
2	5150.000	42.2	54.0	11.8	31.6	42.0	6.7	10.0	H
3 F	5187.000	91.6	-	-	31.7	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5150.000	50.5	74.0	23.5	31.6	42.0	6.7	10.0	V
2 F	5181.750	98.0	-	-	31.7	42.0	6.7	10.0	V
Avg									
1	5150.000	41.6	54.0	12.4	31.6	42.0	6.7	10.0	V
2 F	5181.750	90.0	-	-	31.7	42.0	6.7	10.0	V

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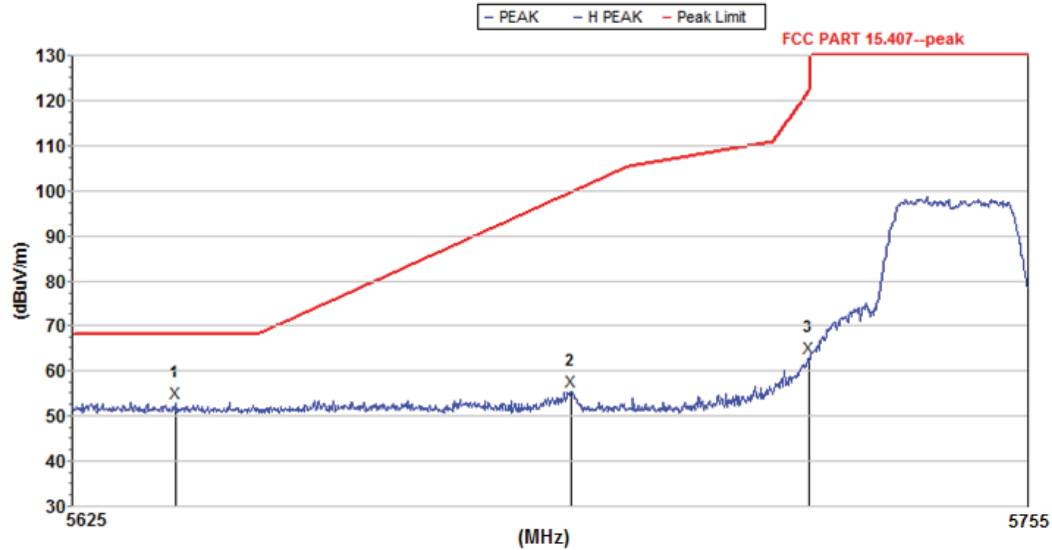
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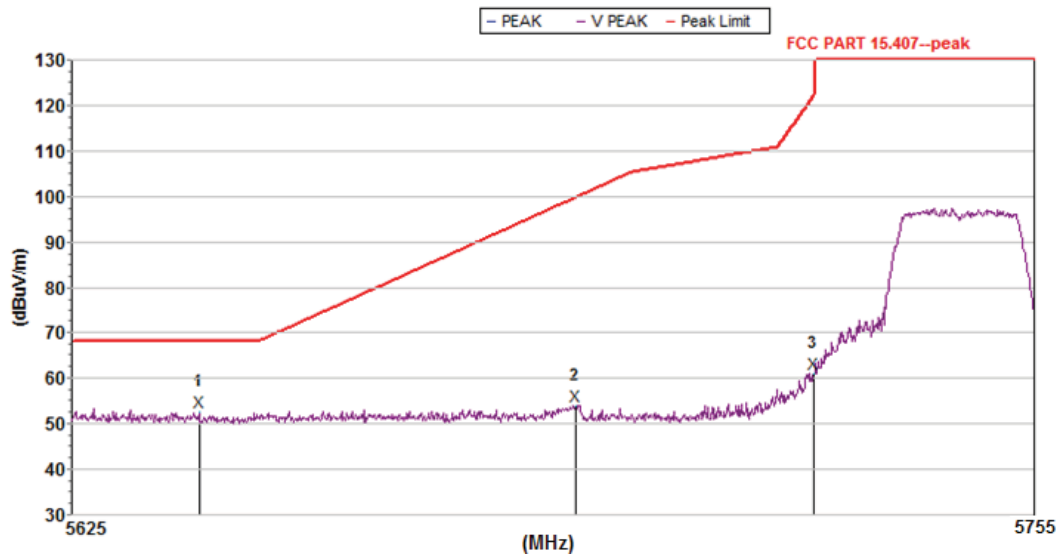


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Restricted Bandedge 802.11a Chain 0 Ch 149 5745MHz Horizontal



Restricted Bandedge 802.11a Chain 0 Ch 149 5745MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5639.040	52.9	68.2	15.3	32.2	42.2	7.5	10.0	H
2	5692.600	55.5	99.7	44.2	32.3	42.2	7.7	10.0	H
3	5725.000	63.1	122.2	59.1	32.3	42.2	7.6	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5642.030	52.8	68.2	15.4	32.2	42.2	7.6	10.0	V
2	5692.730	54.0	99.8	45.8	32.3	42.2	7.7	10.0	V
3	5725.000	61.1	122.2	61.1	32.3	42.2	7.6	10.0	V

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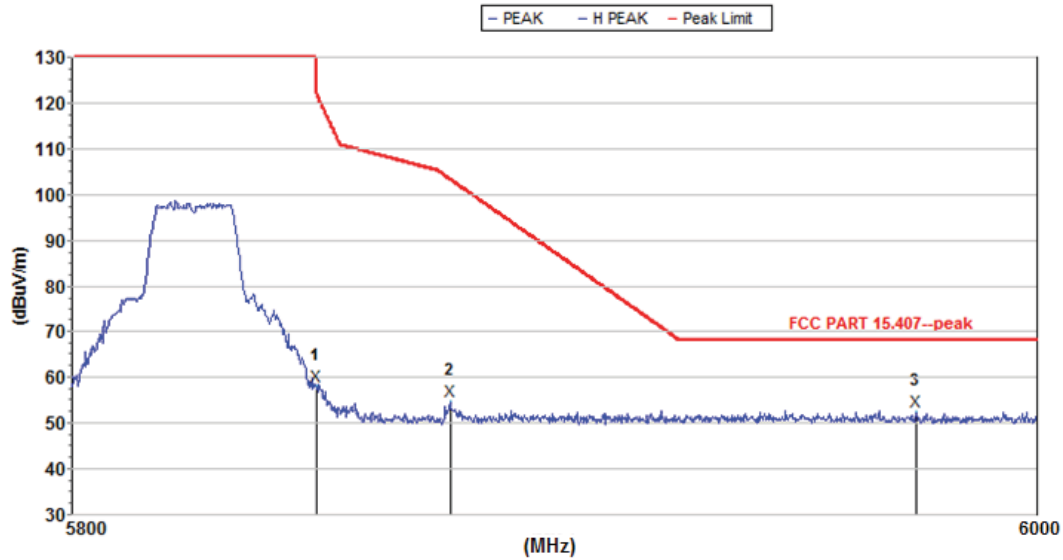
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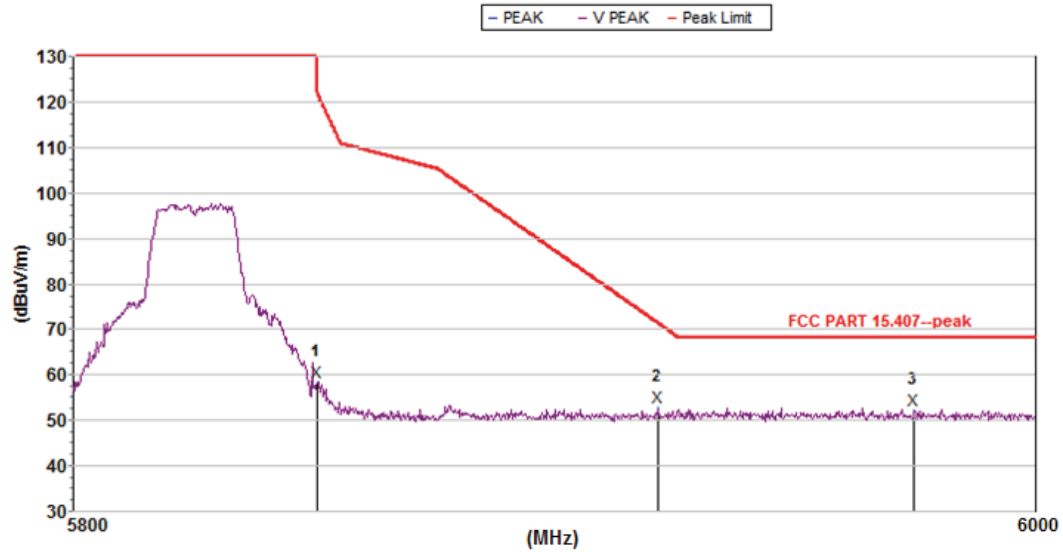


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Restricted Bandedge 802.11a Chain 0 Ch 165 5825MHz Horizontal



Restricted Bandedge 802.11a Chain 0 Ch 165 5825MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5850.000	58.2	122.2	64.0	32.5	42.2	7.3	10.0	H
2	5877.600	55.0	103.3	48.3	32.5	42.2	7.3	10.0	H
3	5974.600	52.8	68.2	15.4	32.7	42.2	7.2	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5850.000	58.4	122.2	63.8	32.5	42.2	7.3	10.0	V
2	5920.800	53.1	71.3	18.2	32.6	42.2	7.2	10.0	V
3	5974.400	52.4	68.2	15.8	32.7	42.2	7.2	10.0	V

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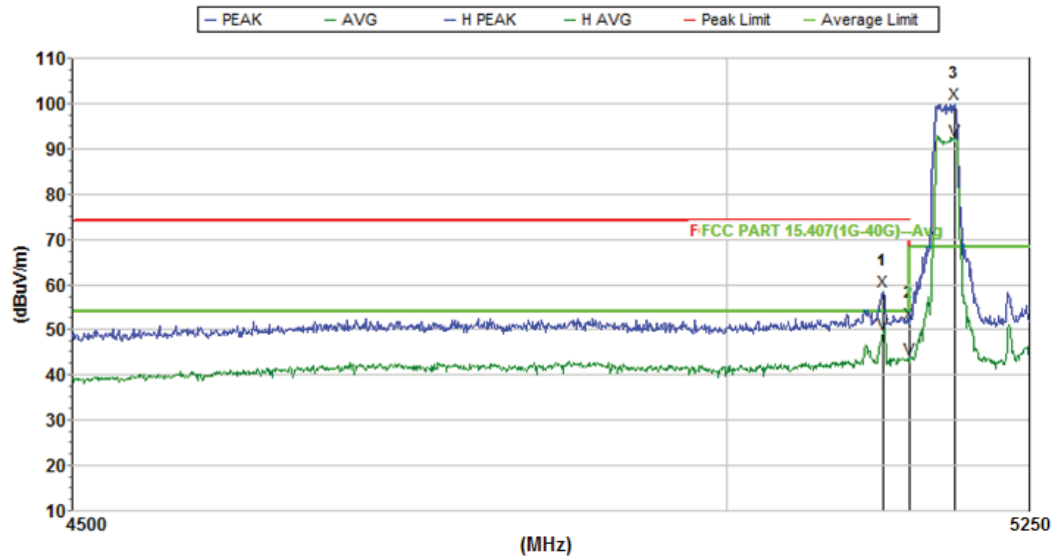
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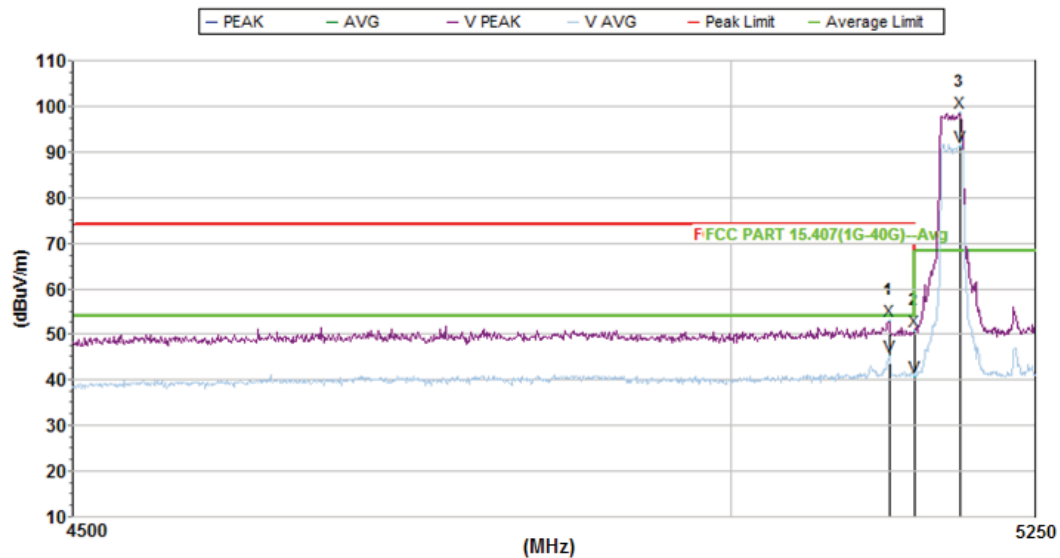


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Restricted Bandedge 802.11n HT20 Ch 36 5180MHz Horizontal



Restricted Bandedge 802.11n HT20 Ch 36 5180MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5127.750	58.4	74.0	15.6	31.6	42.0	6.6	10.0	H
2	5150.000	51.3	74.0	22.7	31.6	42.0	6.7	10.0	H
3 F	5187.000	100.0	-	-	31.7	42.0	6.7	10.0	H
Avg									
1	5127.750	49.2	54.0	4.8	31.6	42.0	6.6	10.0	H
2	5150.000	43.7	54.0	10.3	31.6	42.0	6.7	10.0	H
3 F	5187.000	92.0	-	-	31.7	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5128.500	53.1	74.0	20.9	31.6	42.0	6.6	10.0	V
2	5150.000	50.9	74.0	23.1	31.6	42.0	6.7	10.0	V
3 F	5187.000	98.8	-	-	31.7	42.0	6.7	10.0	V
Avg									
1	5128.500	45.3	54.0	8.7	31.6	42.0	6.6	10.0	V
2	5150.000	40.8	54.0	13.2	31.6	42.0	6.7	10.0	V
3 F	5187.000	91.3	-	-	31.7	42.0	6.7	10.0	V

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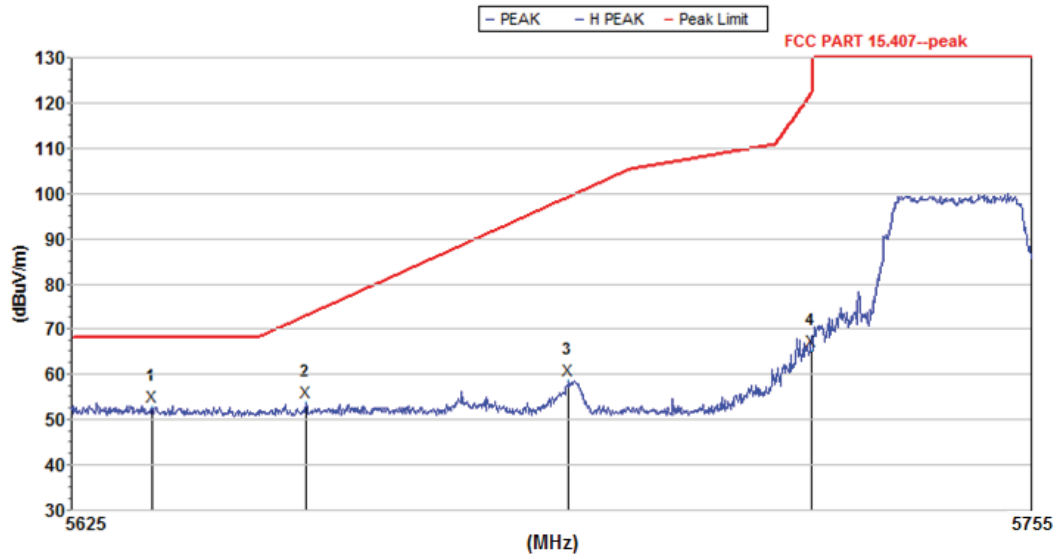
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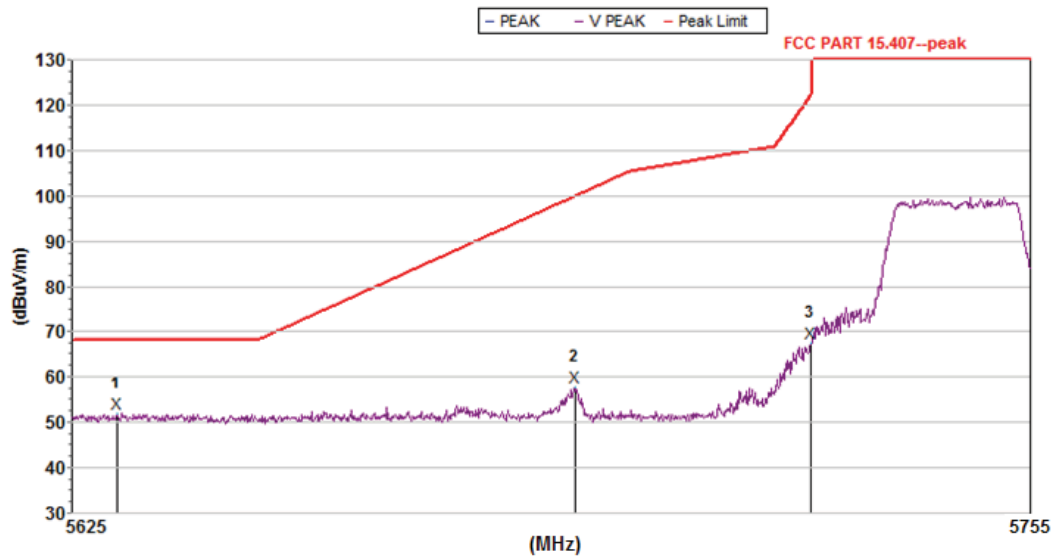


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Restricted Bandedge 802.11n HT20 Ch 149 5745MHz Horizontal



Restricted Bandedge 802.11n HT20 Ch 149 5745MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5635.790	53.1	68.2	15.1	32.2	42.1	7.5	10.0	H
2	5656.460	53.8	73.0	19.2	32.2	42.2	7.6	10.0	H
3	5691.950	58.7	99.2	40.5	32.3	42.2	7.7	10.0	H
4	5725.000	65.4	122.2	56.8	32.3	42.2	7.6	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5631.110	52.1	68.2	16.1	32.2	42.1	7.5	10.0	V
2	5692.990	57.7	100.0	42.3	32.3	42.2	7.7	10.0	V
3	5725.000	67.7	122.2	54.5	32.3	42.2	7.6	10.0	V

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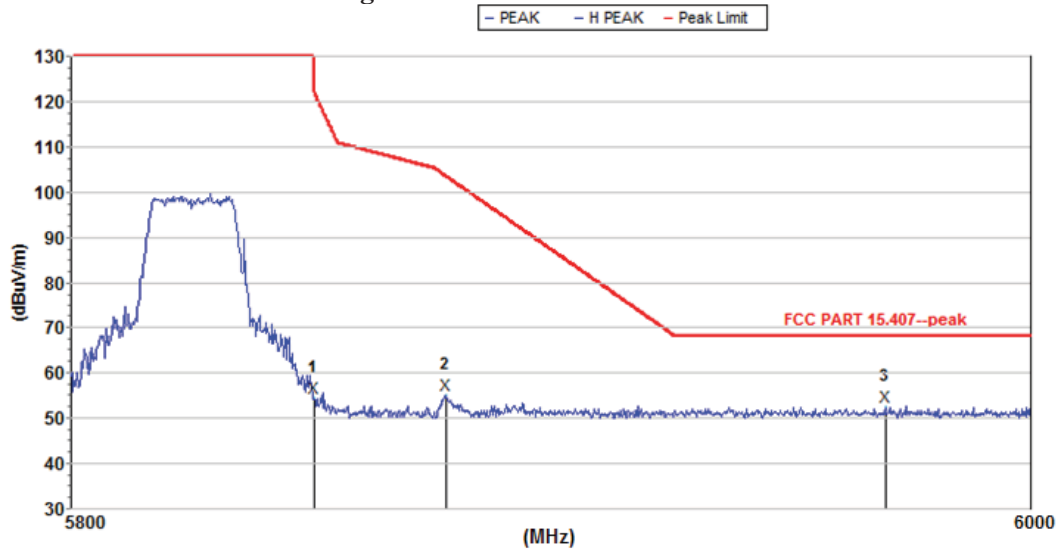
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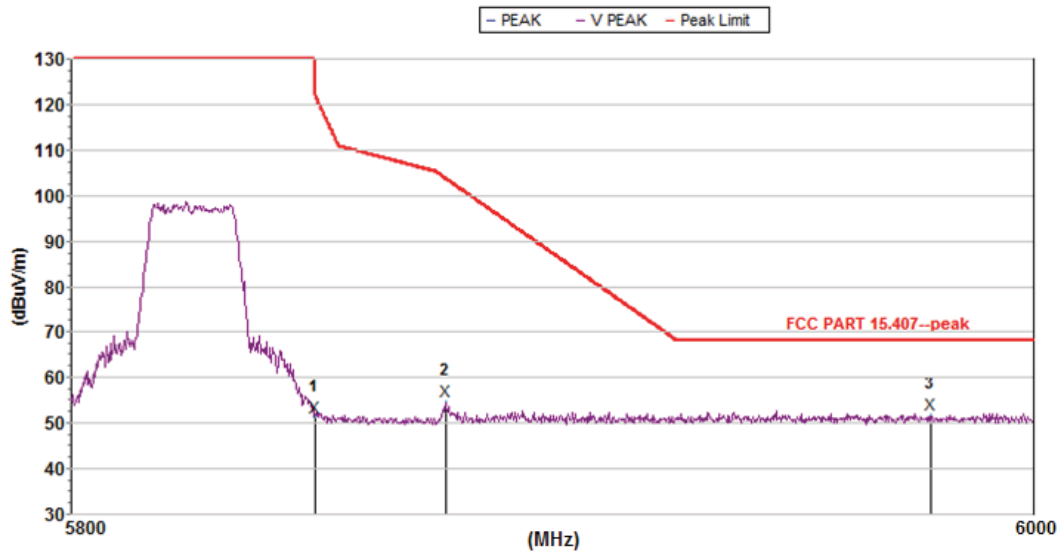


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Restricted Bandedge 802.11n HT20 Ch 165 5825MHz Horizontal



Restricted Bandedge 802.11n HT20 Ch 165 5825MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5850.000	54.5	122.2	67.7	32.5	42.2	7.3	10.0	H
2	5877.400	55.2	103.4	48.2	32.5	42.2	7.3	10.0	H
3	5969.200	52.6	68.2	15.6	32.7	42.2	7.2	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5850.000	51.2	122.2	71.0	32.5	42.2	7.3	10.0	V
2	5877.000	54.8	103.7	48.9	32.5	42.2	7.3	10.0	V
3	5978.200	52.1	68.2	16.1	32.7	42.2	7.2	10.0	V

EMC Lab.

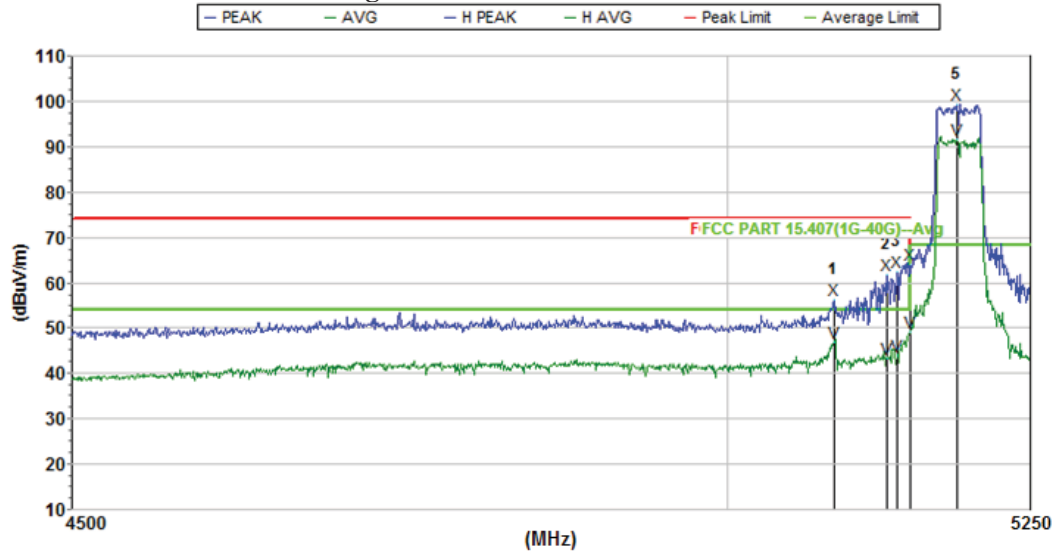
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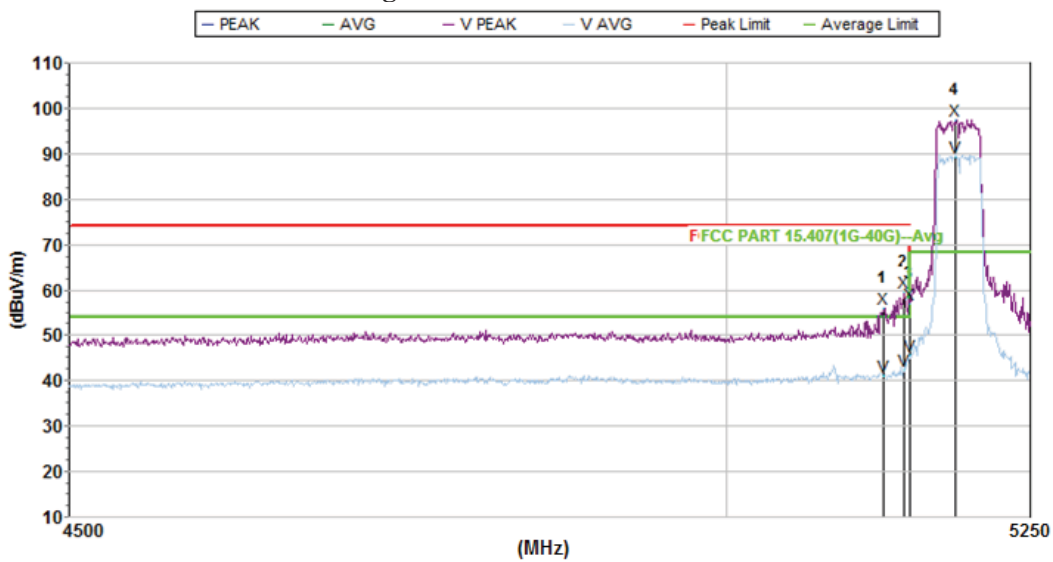


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Restricted Bandedge 802.11n HT40 Ch 38 5190MHz Horizontal



Restricted Bandedge 802.11n HT40 Ch 38 5190MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5086.500	56.3	74.0	17.7	31.6	42.0	6.6	10.0	H
2	5130.750	61.8	74.0	12.2	31.6	42.0	6.6	10.0	H
3	5139.000	62.5	74.0	11.5	31.6	42.0	6.7	10.0	H
4	5150.000	64.1	74.0	9.9	31.6	42.0	6.7	10.0	H
5 F	5188.500	99.4	-	-	31.7	42.0	6.7	10.0	H
Avg									
1	5086.500	46.9	54.0	7.1	31.6	42.0	6.6	10.0	H
2	5130.750	43.3	54.0	10.7	31.6	42.0	6.6	10.0	H
3	5139.000	44.1	54.0	9.9	31.6	42.0	6.7	10.0	H
4	5150.000	49.3	54.0	4.7	31.6	42.0	6.7	10.0	H
5 F	5188.500	91.7	-	-	31.7	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5127.750	56.0	74.0	18.0	31.6	42.0	6.6	10.0	V
2	5145.000	59.5	74.0	14.5	31.6	42.0	6.7	10.0	V
3	5150.000	56.9	74.0	17.1	31.6	42.0	6.7	10.0	V
4 F	5187.000	97.4	-	-	31.7	42.0	6.7	10.0	V
Avg									
1	5127.750	41.1	54.0	12.9	31.6	42.0	6.6	10.0	V
2	5145.000	42.5	54.0	11.5	31.6	42.0	6.7	10.0	V
3	5150.000	45.5	54.0	8.5	31.6	42.0	6.7	10.0	V
4 F	5187.000	89.3	-	-	31.7	42.0	6.7	10.0	V

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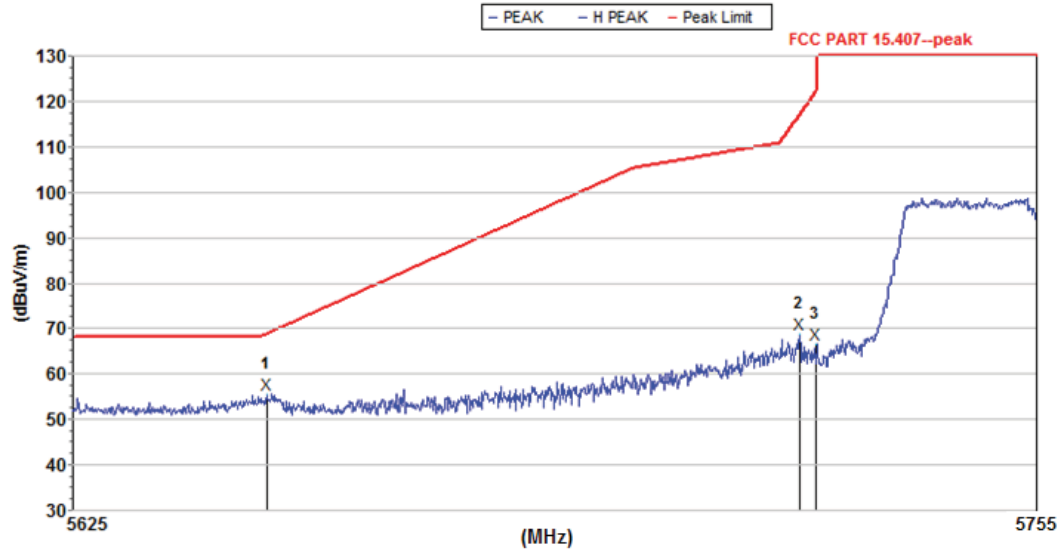
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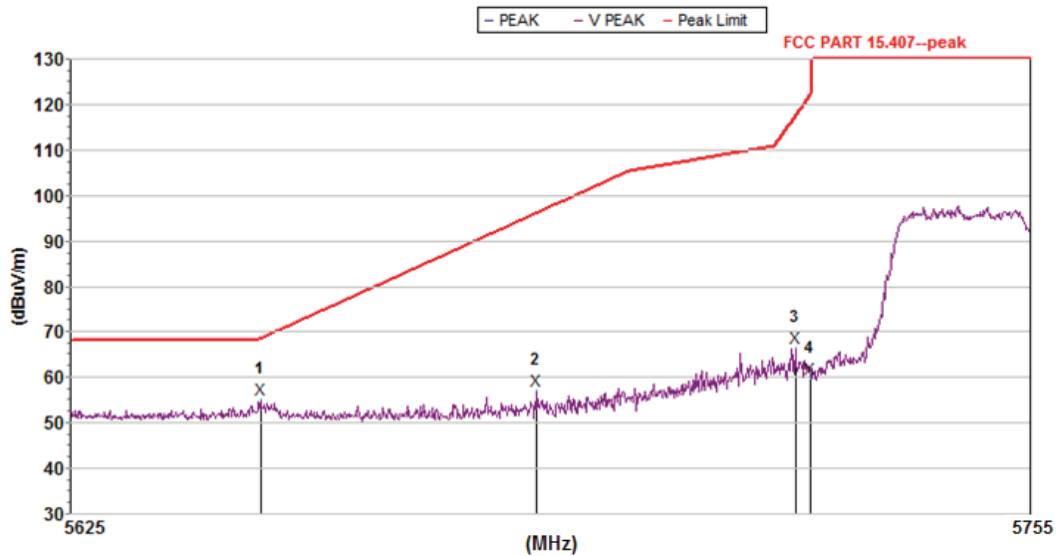


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Restricted Bandedge 802.11n HT40 Ch 151 5755MHz Horizontal



Restricted Bandedge 802.11n HT40 Ch 151 5755MHz Vertical



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Peak:									
1	5650.870	55.7	68.8	13.1	32.2	42.2	7.6	10.0	H
2	5722.760	68.7	117.1	48.4	32.3	42.2	7.6	10.0	H
3	5725.000	66.5	122.2	55.7	32.3	42.2	7.6	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5650.480	55.2	68.6	13.4	32.2	42.2	7.6	10.0	V
2	5687.790	57.2	96.2	39.0	32.3	42.2	7.7	10.0	V
3	5722.890	66.5	117.4	50.9	32.3	42.2	7.6	10.0	V
4	5725.000	59.9	122.2	62.3	32.3	42.2	7.6	10.0	V

EMC Lab.

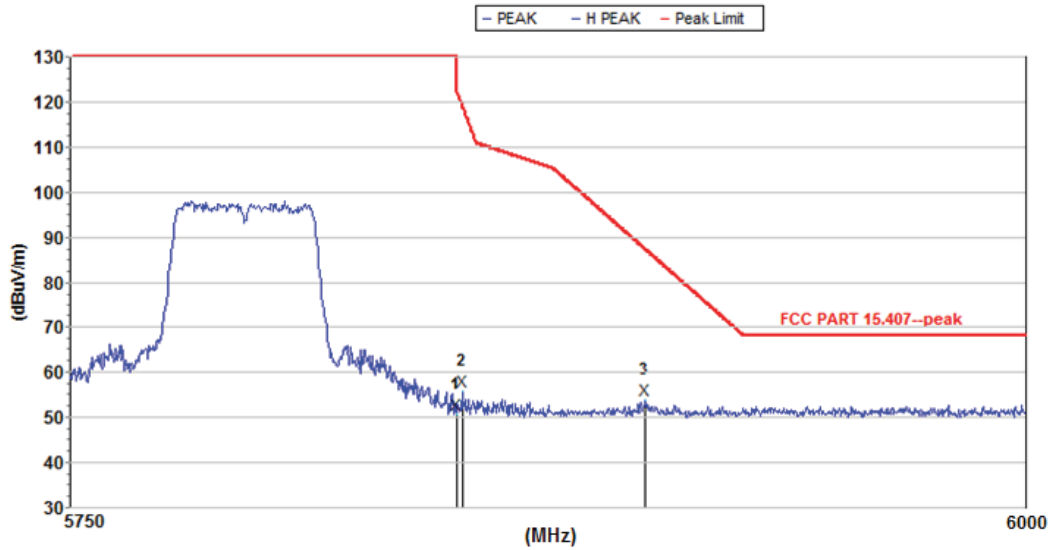
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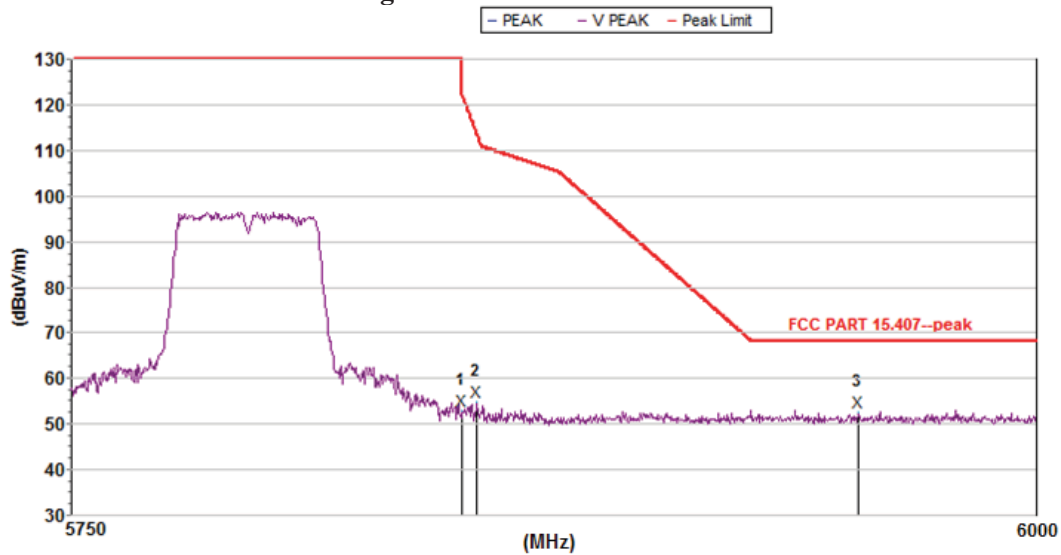


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Restricted Bandedge 802.11n HT40 Ch 159 5795MHz Horizontal



Restricted Bandedge 802.11n HT40 Ch 159 5795MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5850.000	50.6	122.2	71.6	32.5	42.2	7.3	10.0	H
2	5851.250	55.8	119.3	63.5	32.5	42.2	7.3	10.0	H
3	5899.250	53.9	87.3	33.4	32.6	42.2	7.3	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	5850.000	52.9	122.2	69.3	32.5	42.2	7.3	10.0	V
2	5853.750	54.9	113.7	58.8	32.5	42.2	7.3	10.0	V
3	5953.000	52.7	68.2	15.5	32.6	42.2	7.2	10.0	V

EMC Lab.

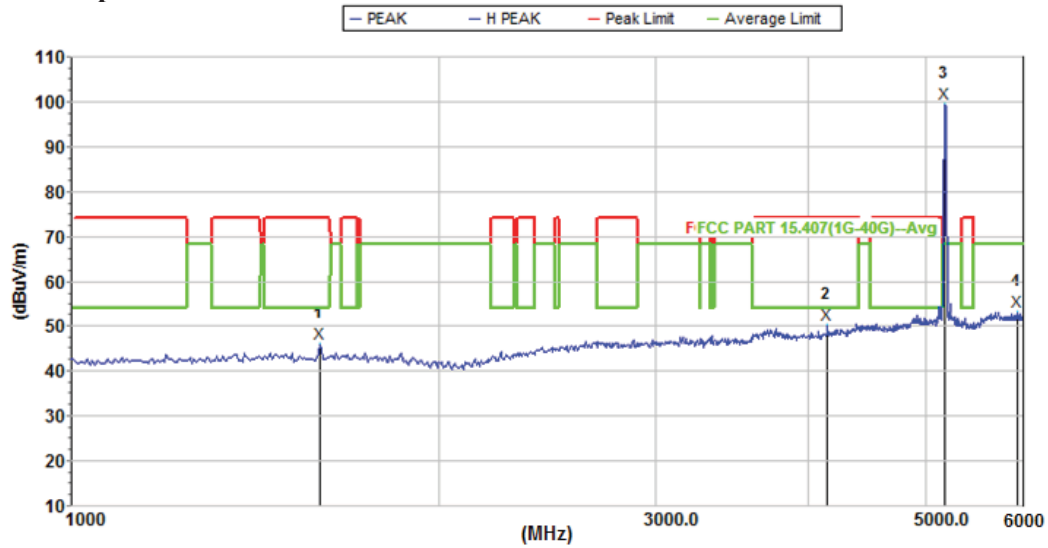
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Facsimile (FAX) :+886-2-7737-3610

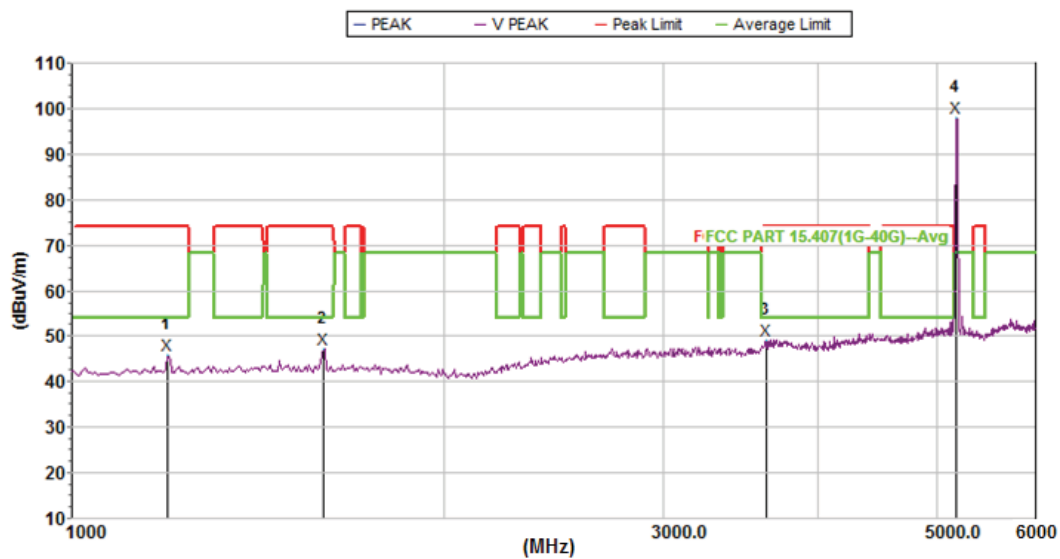


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Spurious Emission 802.11a Chain 0 Ch 36 5180MHz 1-6GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 36 5180MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1595.000	46.1	74.0	27.9	25.7	40.3	3.5	10.0	H
2	4150.000	50.6	74.0	23.4	30.0	41.5	5.7	10.0	H
3 F	5180	99.8	-	-	31.7	42.0	6.7	10.0	H
4	5930.000	53.4	68.2	14.8	32.6	42.2	7.2	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1195.000	45.9	74.0	28.1	25.0	40.2	3.0	10.0	V
2	1595.000	47.3	74.0	26.7	25.7	40.3	3.5	10.0	V
3	3635.000	49.2	74.0	24.8	29.0	41.2	5.2	10.0	V
4 F	5180	98.0	-	-	31.7	42.0	6.7	10.0	V

EMC Lab.

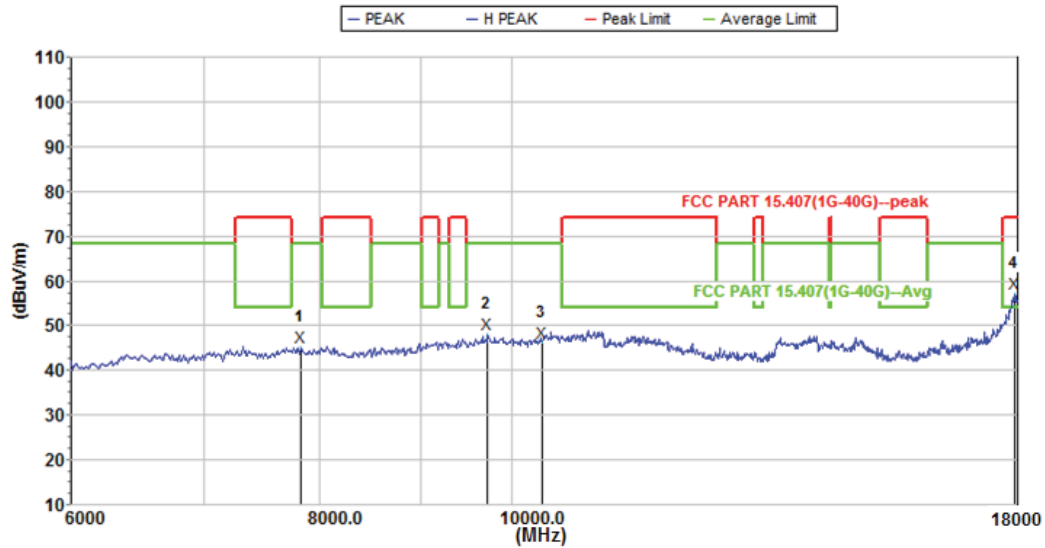
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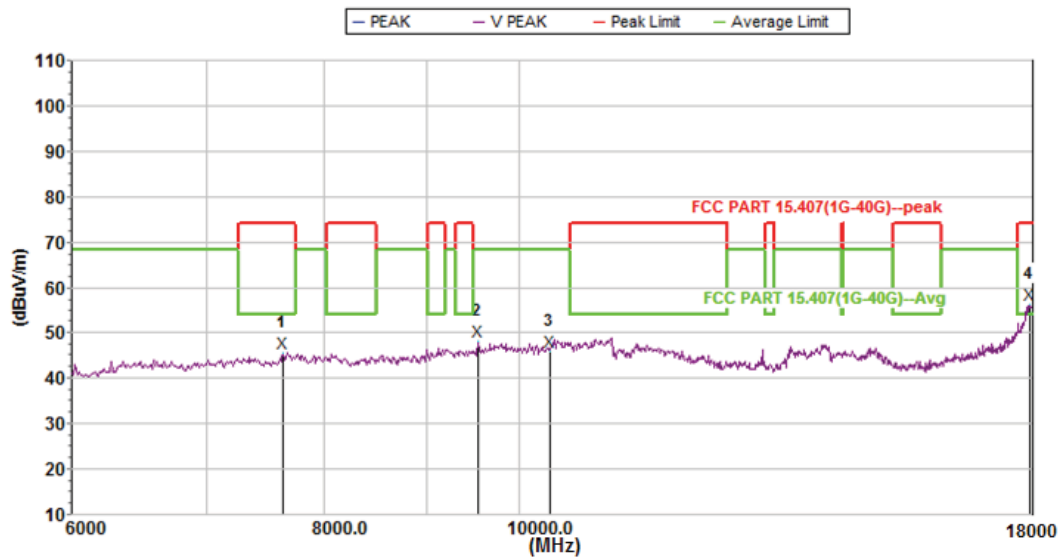


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Spurious Emission 802.11a Chain 0 Ch 36 5180MHz 6-18GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 36 5180MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7836.000	45.4	68.2	22.8	36.9	42.2	7.4	0.2	H
2	9732.000	48.3	68.2	19.9	38.6	41.8	8.3	0.5	H
3	10360.000	46.4	68.2	21.8	39.3	41.9	9.0	0.3	H
4	17928.000	57.2	74.0	16.8	48.1	41.2	13.3	5.8	H
Avg									
1	17928.000	48.29	54.0	6.7	48.1	41.2	13.3	5.8	V

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7644.000	45.5	74.0	28.5	36.7	42.2	7.4	0.1	V
2	9552.000	48.1	68.2	20.1	38.5	41.8	8.2	0.5	V
3	10360.000	45.8	68.2	22.4	39.3	41.9	9.0	0.3	V
4	17928.000	56.2	74.0	17.8	48.1	41.2	13.3	5.8	V
Avg									
1	17928.000	47.28	54.0	6.7	48.1	41.2	13.3	5.8	V

EMC Lab.

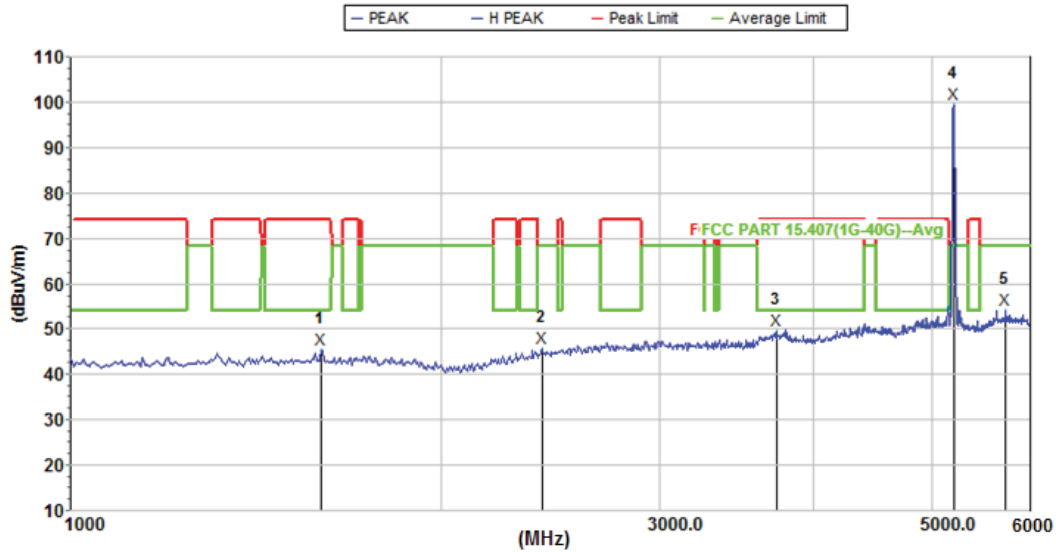
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Facsimile (FAX) :+886-2-7737-3610

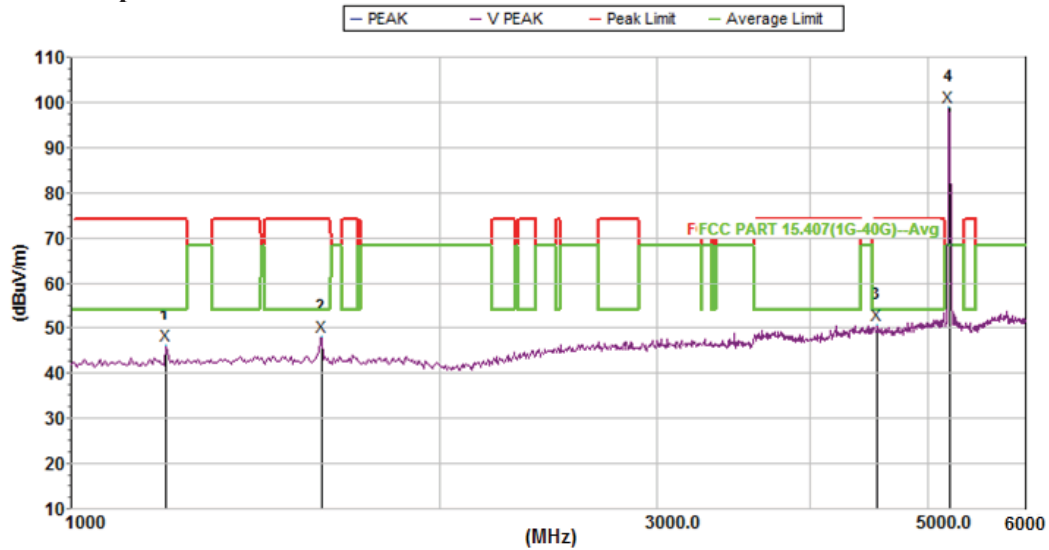


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Spurious Emission 802.11a Chain 0 Ch 40 5200MHz 1-6GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 40 5200MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1595.000	45.5	74.0	28.5	25.7	40.3	3.5	10.0	H
2	2410.000	46.0	68.2	22.2	27.3	40.5	4.4	10.0	H
3	3735.000	49.9	74.0	24.1	29.2	41.3	5.5	10.0	H
4 F	5200	99.6	-	-	31.7	42.0	6.7	10.0	H
5	5735.000	54.4	68.2	13.8	32.3	42.2	7.6	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1195.000	46.2	74.0	27.8	25.0	40.2	3.0	10.0	V
2	1600.000	48.1	74.0	25.9	25.7	40.3	3.5	10.0	V
3	4545.000	50.7	74.0	23.3	30.9	41.7	6.0	10.0	V
4 F	5200	98.9	-	-	31.7	42.0	6.7	10.0	V

EMC Lab.

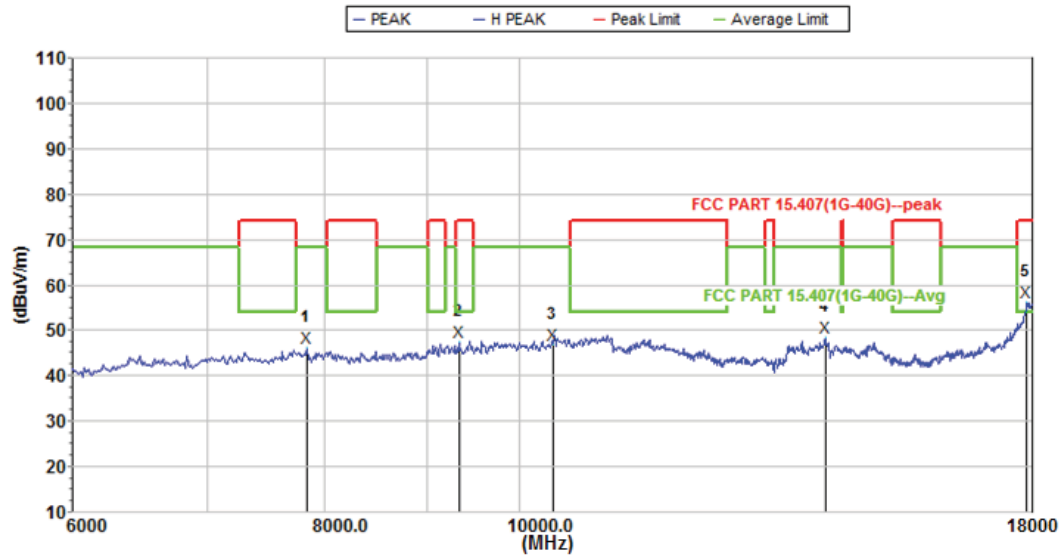
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Facsimile (FAX) :+886-2-7737-3610

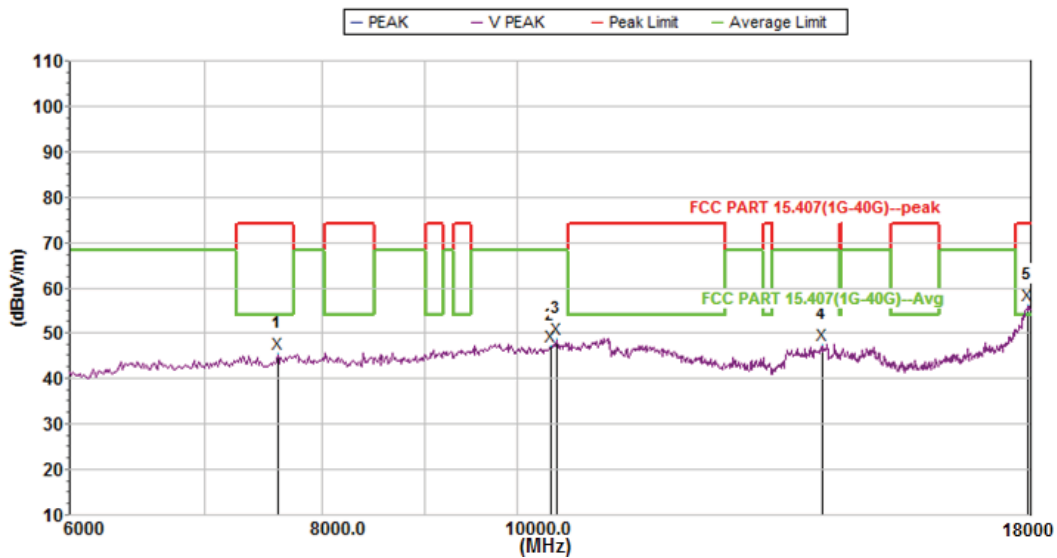


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Spurious Emission 802.11a Chain 0 Ch 40 5200MHz 6-18GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 40 5200MHz 6-18GHz Vertical



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FCC ID : A43-WISP5

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7848.000	46.1	68.2	22.1	36.9	42.2	7.4	0.2	H
2	9336.000	47.7	74.0	26.3	38.1	41.9	8.0	0.5	H
3	10400.000	47.0	68.2	21.2	39.4	41.9	9.0	0.3	H
4	14208.000	48.4	68.2	19.8	41.2	40.6	10.4	1.1	H
5	17892.000	56.2	74.0	17.8	47.6	41.2	13.6	5.7	H
Avg									
1	17892.000	47.26	54.0	6.7	47.6	41.2	13.6	5.7	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7608.000	45.7	74.0	28.3	36.6	42.2	7.4	0.1	V
2	10400.000	47.1	68.2	21.1	39.4	41.9	9.0	0.3	V
3	10476.000	48.7	68.2	19.5	39.6	41.9	9.1	0.3	V
4	14184.000	47.5	68.2	20.7	41.2	40.6	10.4	1.1	V
5	17952.000	56.2	74.0	17.8	48.4	41.3	12.9	5.8	V
Avg									
1	17952.000	47.26	54.0	6.7	48.4	41.3	12.9	5.8	V

EMC Lab.

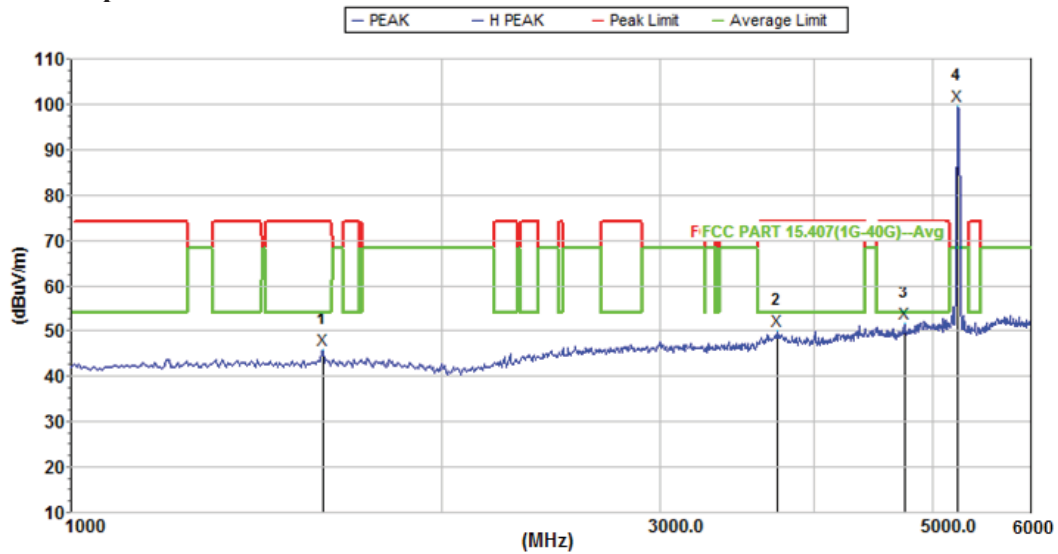
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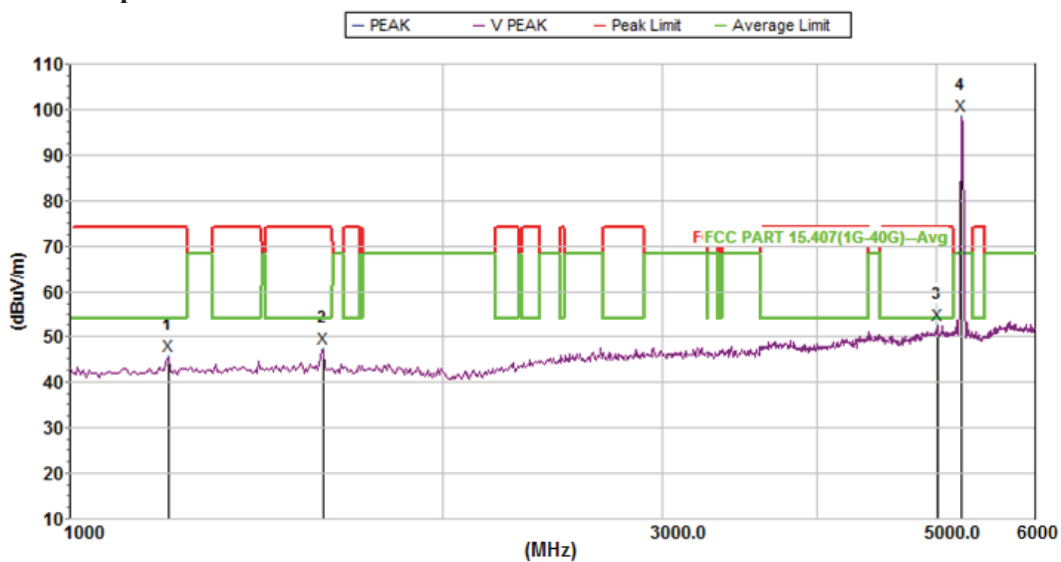


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Spurious Emission 802.11a Chain 0 Ch 48 5240MHz 1-6GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 48 5240MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	45.9	74.0	28.1	25.7	40.3	3.5	10.0	H
2	3740.000	50.0	74.0	24.0	29.2	41.3	5.5	10.0	H
3	4740.000	51.7	74.0	22.3	31.1	41.8	6.2	10.0	H
4 F	5235.000	99.7	-	-	31.7	42.0	6.8	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1200.000	46.0	74.0	28.0	25.0	40.2	3.0	10.0	V
2	1600.000	47.5	74.0	26.5	25.7	40.3	3.5	10.0	V
3	5010.000	52.7	74.0	21.3	31.5	41.9	6.4	10.0	V
4 F	5240	98.7	-	-	31.7	42.0	6.8	10.0	V

EMC Lab.

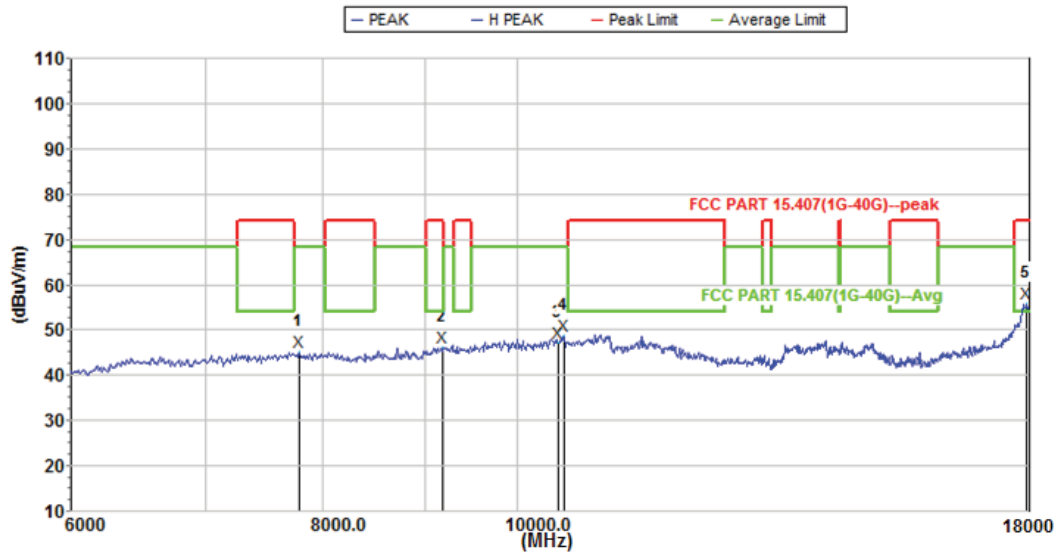
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Telephone :+886-2-7737-3000
Facsimile (FAX) :+886-2-7737-3610

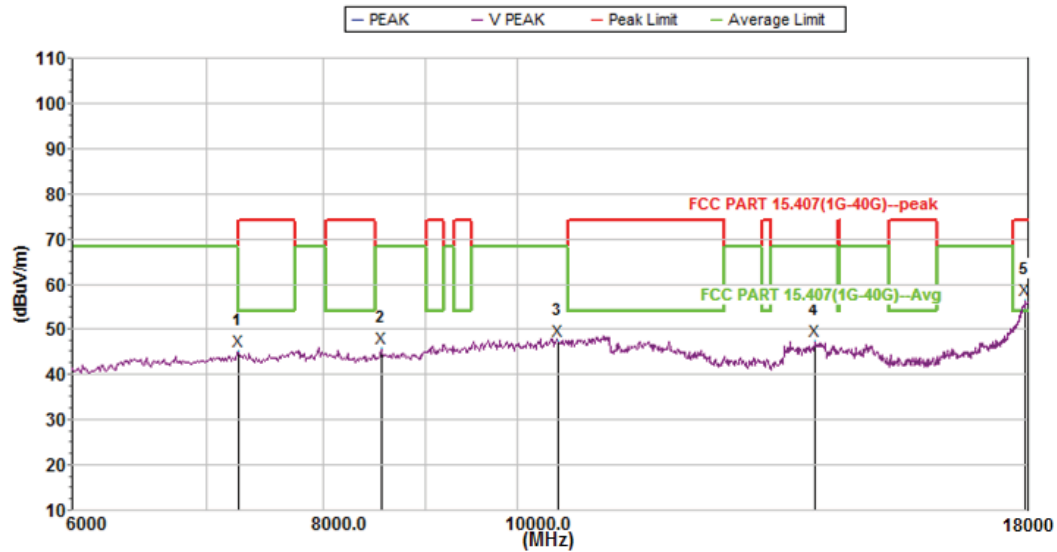


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Spurious Emission 802.11a Chain 0 Ch 48 5240MHz 6-18GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 48 5240MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7788.000	45.3	68.2	22.9	36.8	42.2	7.5	0.2	H
2	9180.000	46.3	74.0	27.7	37.7	41.9	8.0	0.4	H
3	10480.000	47.3	68.2	20.9	39.6	41.9	9.1	0.3	H
4	10560.000	48.7	68.2	19.5	39.7	42.0	9.3	0.3	H
5	17952.000	55.9	74.0	18.1	48.4	41.3	12.9	5.8	H
Avg									
1	17952.000	47.31	54.0	6.7	48.4	41.3	12.9	5.8	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7260.000	45.3	74.0	28.7	36.0	42.2	7.1	0.2	V
2	8556.000	45.9	68.2	22.3	36.9	42.1	7.6	0.1	V
3	10480.000	47.6	68.2	20.6	39.6	41.9	9.1	0.3	V
4	14100.000	47.7	68.2	20.5	41.0	40.6	10.3	1.1	V
5	17940.000	56.6	74.0	17.4	48.3	41.2	13.1	5.8	V
Avg									
1	17940.000	47.29	54.0	6.7	48.3	41.2	13.1	5.8	V

EMC Lab.

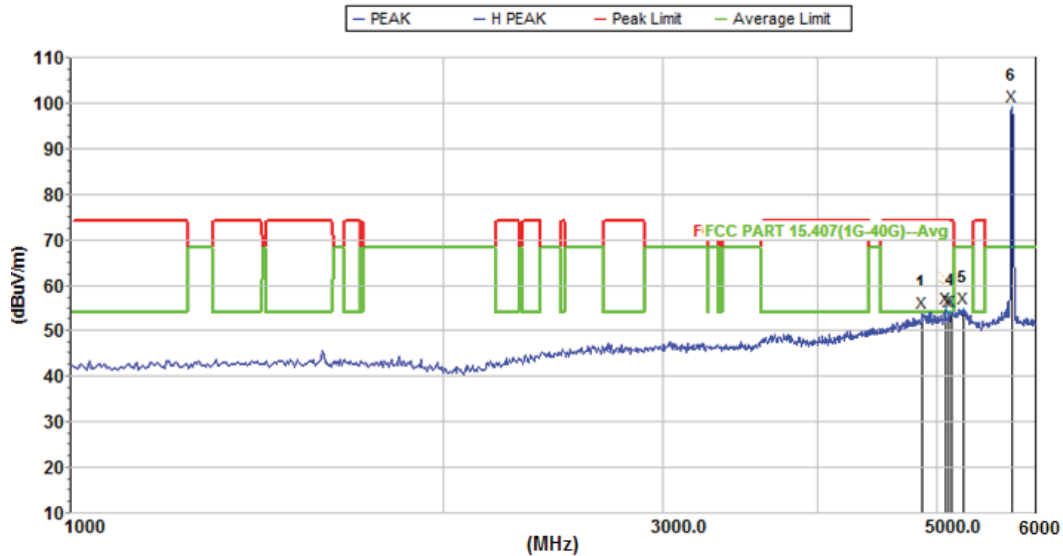
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Telephone :+886-2-7737-3000
Facsimile (FAX) :+886-2-7737-3610

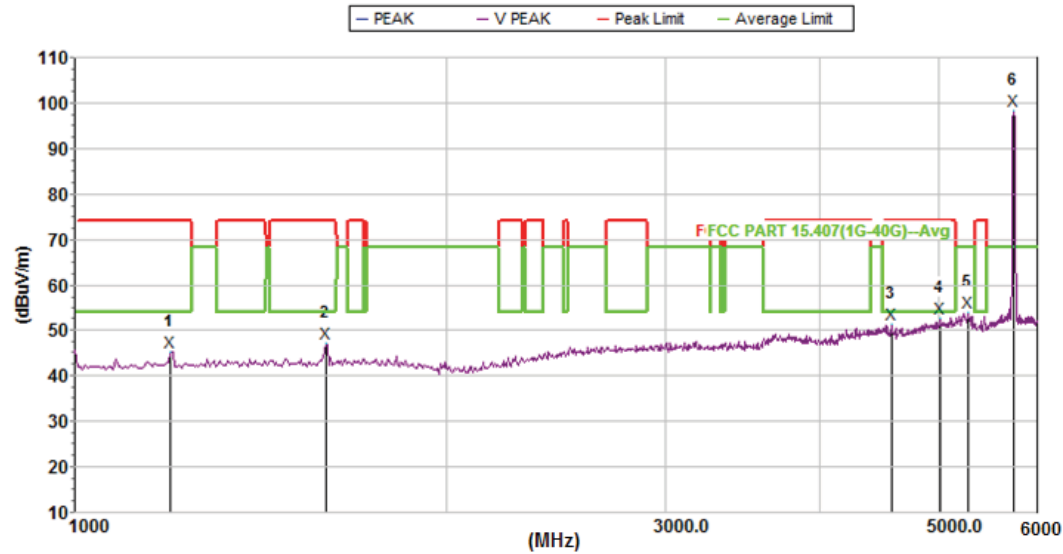


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Spurious Emission 802.11a Chain 0 Ch 149 5745MHz 1-6GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 149 5745MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	4865.000	54.1	74.0	19.9	31.3	41.9	6.4	10.0	H
2	5075.000	54.9	74.0	19.1	31.6	42.0	6.6	10.0	H
3	5110.000	54.4	74.0	19.6	31.6	42.0	6.6	10.0	H
4	5140.000	54.2	74.0	19.8	31.6	42.0	6.7	10.0	H
5	5245.000	55.0	68.2	13.2	31.7	42.0	6.8	10.0	H
6 F	5745	99.2	-	-	32.3	42.2	7.5	10.0	H
Avg									
1	4865.000	43.44	54.0	10.6	31.3	41.9	6.4	10.0	H
2	5075.000	44.08	54.0	9.9	31.6	42.0	6.6	10.0	H
3	5110.000	44.25	54.0	9.8	31.6	42.0	6.6	10.0	H
4	5140.000	44.37	54.0	9.6	31.6	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1195.000	45.3	74.0	28.7	25.0	40.2	3.0	10.0	V
2	1595.000	47.1	74.0	26.9	25.7	40.3	3.5	10.0	V
3	4575.000	51.3	74.0	22.7	30.9	41.8	6.0	10.0	V
4	5010.000	52.6	74.0	21.4	31.5	41.9	6.4	10.0	V
5	5275.000	53.9	68.2	14.3	31.8	42.0	6.9	10.0	V
6 F	5745.000	98.5	-	-	32.3	42.2	7.5	10.0	V

EMC Lab.

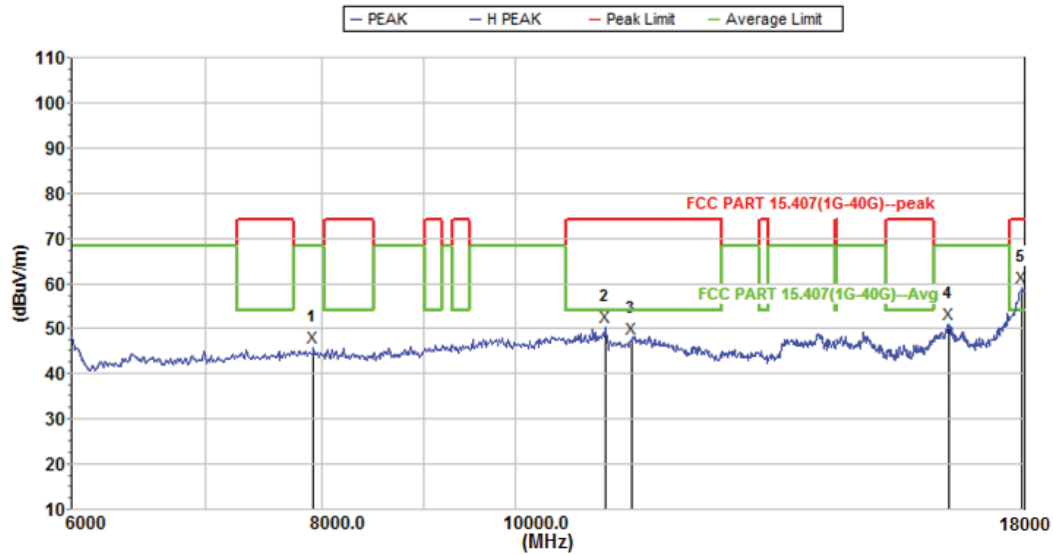
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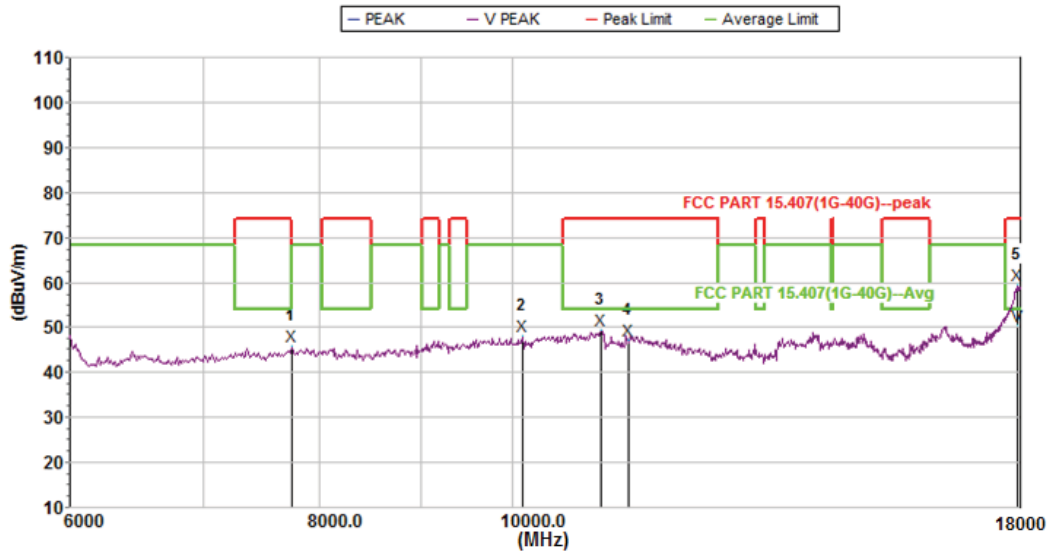


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Spurious Emission 802.11a Chain 0 Ch 149 5745MHz 6-18GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 149 5745MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7932.000	46.0	68.2	22.2	37.0	42.2	7.4	0.1	H
2	11100.000	50.4	74.0	23.6	40.3	42.0	10.1	0.9	H
3	11450.000	47.9	74.0	26.1	40.1	42.0	10.3	0.9	H
4	16500.000	51.1	68.2	17.1	39.0	40.7	11.7	6.6	H
5	17940.000	59.1	74.0	14.9	48.3	41.2	13.1	8.0	H
Avg									
1	17940.000	49.92	54.0	4.1	48.3	41.2	13.1	8.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7752.000	46.0	68.2	22.2	36.8	42.2	7.4	0.1	V
2	10128.000	48.2	68.2	20.0	38.9	41.9	8.7	0.6	V
3	11088.000	49.6	74.0	24.4	40.3	42.0	10.1	0.9	V
4	11450.000	47.2	74.0	26.8	40.1	42.0	10.3	0.9	V
5	17952.000	59.4	74.0	14.6	48.4	41.3	12.9	8.1	V
Avg									
1	17952.000	50.5	54.0	3.5	48.4	41.3	12.9	8.1	V

EMC Lab.

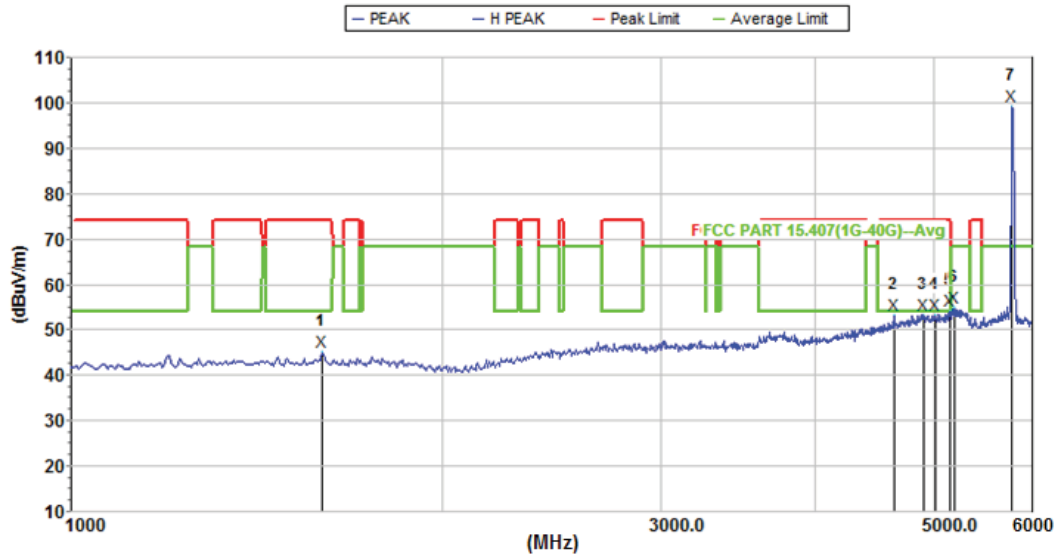
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Spurious Emission 802.11a Chain 0 Ch 157 5785MHz 1-6GHz Horizontal





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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1595.000	45.4	74.0	28.6	25.7	40.3	3.5	10.0	H
2	4635.000	53.4	74.0	20.6	31.0	41.8	6.1	10.0	H
3	4905.000	53.4	74.0	20.6	31.4	41.9	6.5	10.0	H
4	5015.000	53.5	74.0	20.5	31.5	41.9	6.4	10.0	H
5	5145.000	54.2	74.0	19.8	31.6	42.0	6.7	10.0	H
6	5185.000	55.1	68.2	13.1	31.7	42.0	6.7	10.0	H
7 F	5780.000	99.3	-	-	32.4	42.2	7.4	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1200.000	44.5	74.0	29.5	25.0	40.2	3.0	10.0	V
2	1595.000	47.4	74.0	26.6	25.7	40.3	3.5	10.0	V
3	5105.000	53.1	74.0	20.9	31.6	42.0	6.6	10.0	V
4	5305.000	53.8	68.2	14.4	31.8	42.0	7.0	10.0	V
5 F	5790.000	98.3	-	-	32.4	42.2	7.4	10.0	V

EMC Lab.

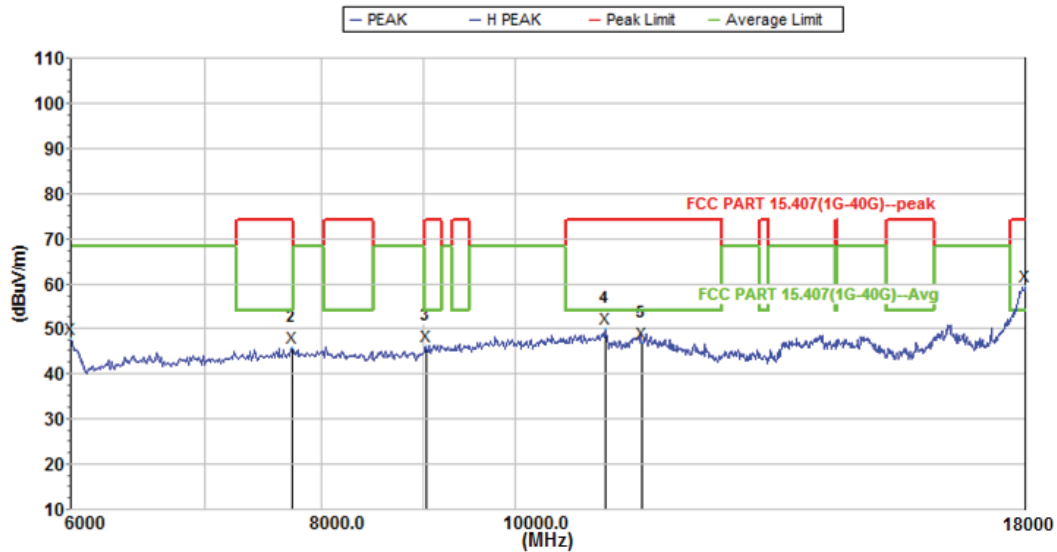
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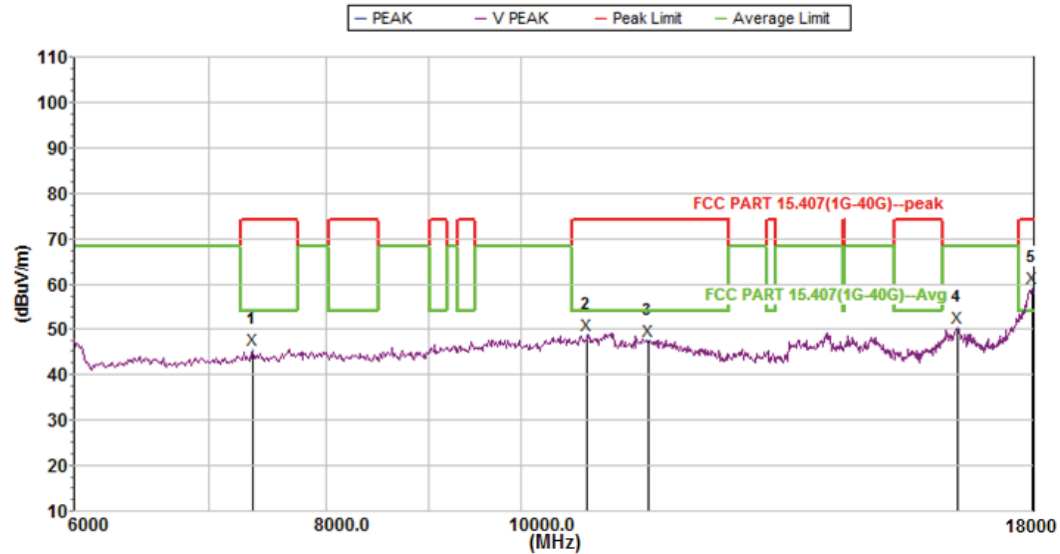


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Spurious Emission 802.11a Chain 0 Ch 157 5785MHz 6-18GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 157 5785MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	6000.000	47.9	68.2	20.3	32.7	42.2	7.2	4.9	H
2	7740.000	45.9	74.0	28.1	36.8	42.2	7.4	0.1	H
3	9036.000	46.1	74.0	27.9	37.4	42.0	7.8	0.4	H
4	11100.000	50.1	74.0	23.9	40.3	42.0	10.1	0.9	H
5	11570.000	47.0	74.0	27.0	40.0	42.0	10.2	0.9	H
6	18000.000	59.5	74.0	14.5	49.1	41.3	12.1	8.3	H
Avg									
1	18000.000	50.11	54.0	3.9	49.1	41.3	12.1	8.3	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7368.000	45.6	74.0	28.4	36.2	42.2	7.3	0.1	V
2	10800.000	48.9	74.0	25.1	40.0	42.0	9.6	0.7	V
3	11570.000	47.6	74.0	26.4	40.0	42.0	10.2	0.9	V
4	16488.000	50.6	68.2	17.6	39.0	40.7	11.7	6.5	V
5	17964.000	59.2	74.0	14.8	48.6	41.3	12.7	8.1	V
Avg									
1	17964.000	49.91	54.0	4.1	48.6	41.3	12.7	8.1	V

EMC Lab.

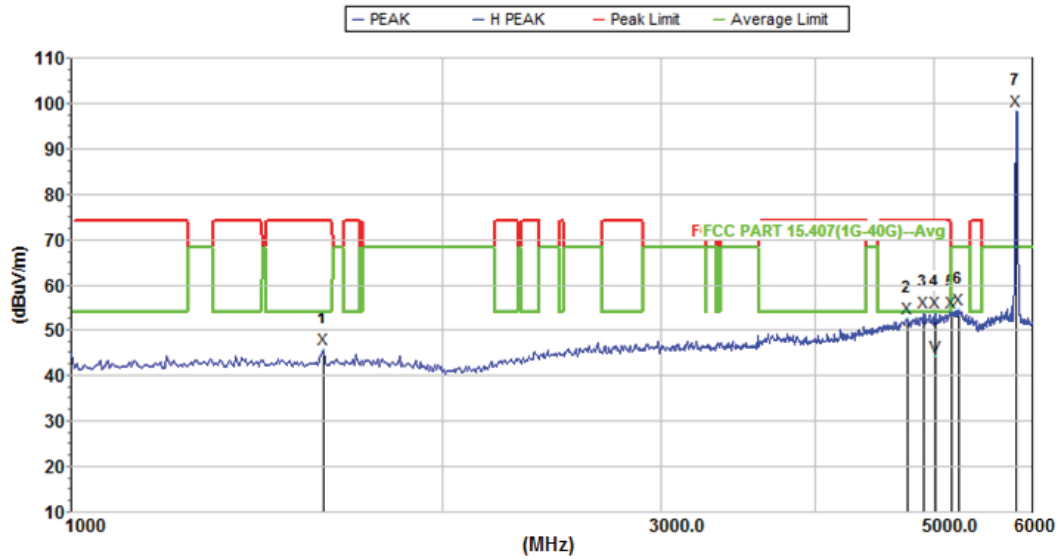
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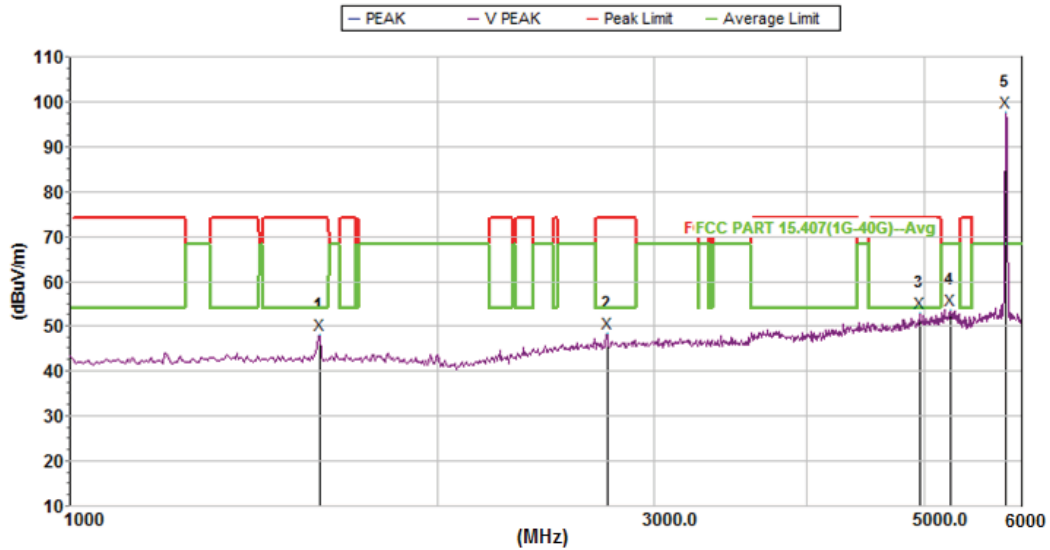


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Spurious Emission 802.11a Chain 0 Ch 165 5825MHz 1-6GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 165 5825MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	46.0	74.0	28.0	25.7	40.3	3.5	10.0	H
2	4760.000	52.8	74.0	21.2	31.2	41.8	6.3	10.0	H
3	4895.000	53.9	74.0	20.1	31.4	41.9	6.5	10.0	H
4	5015.000	54.0	74.0	20.0	31.5	41.9	6.4	10.0	H
5	5165.000	54.1	68.2	14.1	31.7	42.0	6.7	10.0	H
6	5235.000	54.5	68.2	13.7	31.7	42.0	6.8	10.0	H
7 F	5825	98.4	-	-	32.5	42.2	7.3	10.0	H
Avg									
1	4895.000	43.26	54.0	10.7	31.4	41.9	6.5	10.0	H
2	5015.000	44.29	54.0	9.7	31.5	41.9	6.4	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	48.2	74.0	25.8	25.7	40.3	3.5	10.0	V
2	2750.000	48.6	74.0	25.4	28.1	40.7	4.6	10.0	V
3	4955.000	52.9	74.0	21.1	31.4	41.9	6.4	10.0	V
4	5250.000	53.7	68.2	14.5	31.8	42.0	6.9	10.0	V
5 F	5820.000	97.6	-	-	32.4	42.2	7.3	10.0	V

EMC Lab.

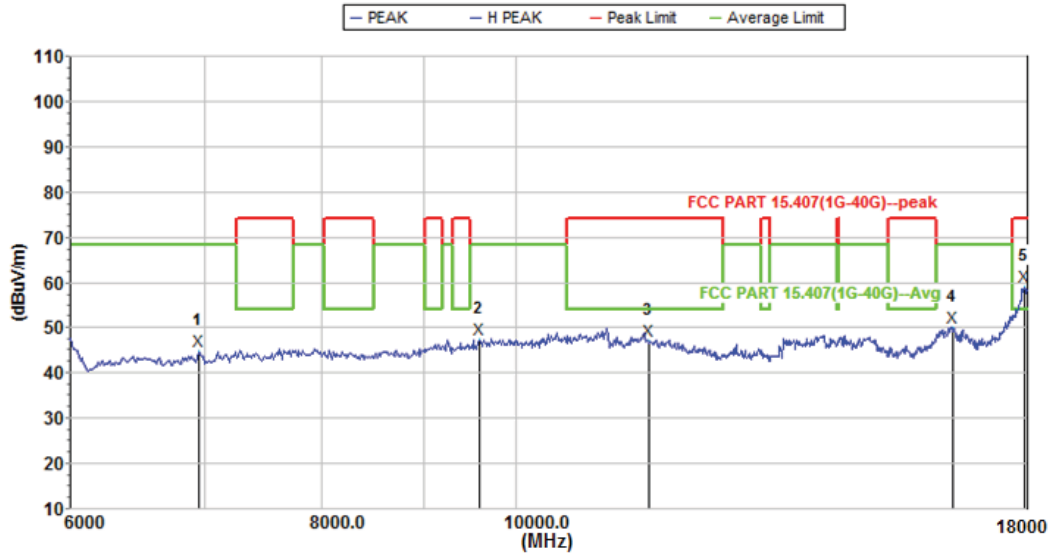
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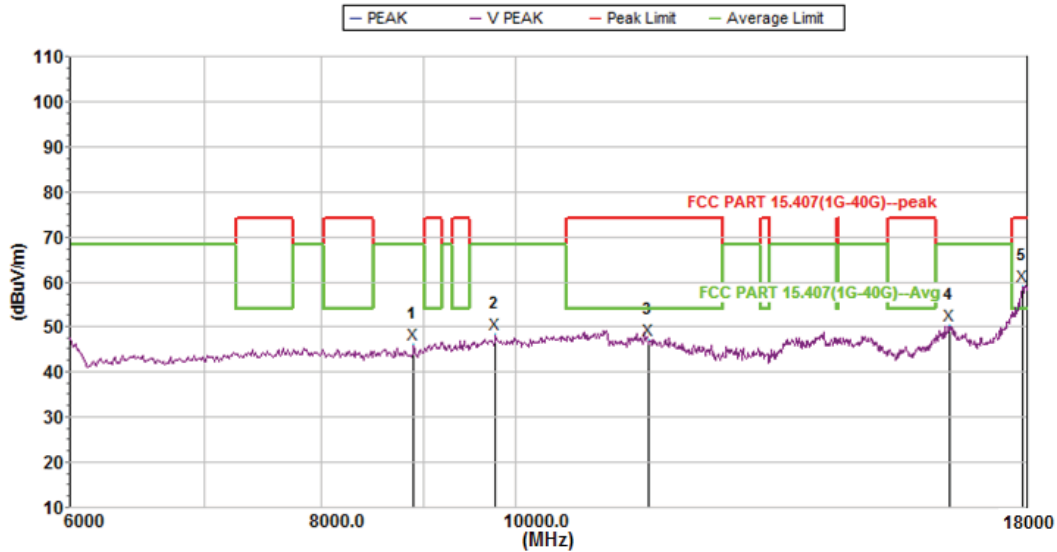


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Spurious Emission 802.11a Chain 0 Ch 165 5825MHz 6-18GHz Horizontal



Spurious Emission 802.11a Chain 0 Ch 165 5825MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	6960.000	45.1	68.2	23.1	35.4	42.2	7.1	0.1	H
2	9600.000	47.7	68.2	20.5	38.5	41.8	8.2	0.5	H
3	11650.000	47.3	74.0	26.7	39.8	41.9	10.1	0.9	H
4	16512.000	50.1	68.2	18.1	39.0	40.7	11.7	6.5	H
5	17928.000	59.2	74.0	14.8	48.1	41.2	13.3	8.0	H
Avg									
1	17928.000	49.95	54.0	4.0	48.1	41.2	13.3	8.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	8904.000	46.3	68.2	21.9	37.2	42.0	7.6	0.3	V
2	9780.000	48.4	68.2	19.8	38.6	41.8	8.4	0.5	V
3	11650.000	47.2	74.0	26.8	39.8	41.9	10.1	0.9	V
4	16464.000	50.5	68.2	17.7	38.9	40.7	11.5	6.4	V
5	17916.000	59.3	74.0	14.7	47.9	41.2	13.5	7.9	V
Avg									
1	17916.000	50.08	54.0	3.9	47.9	41.2	13.5	7.9	V

EMC Lab.

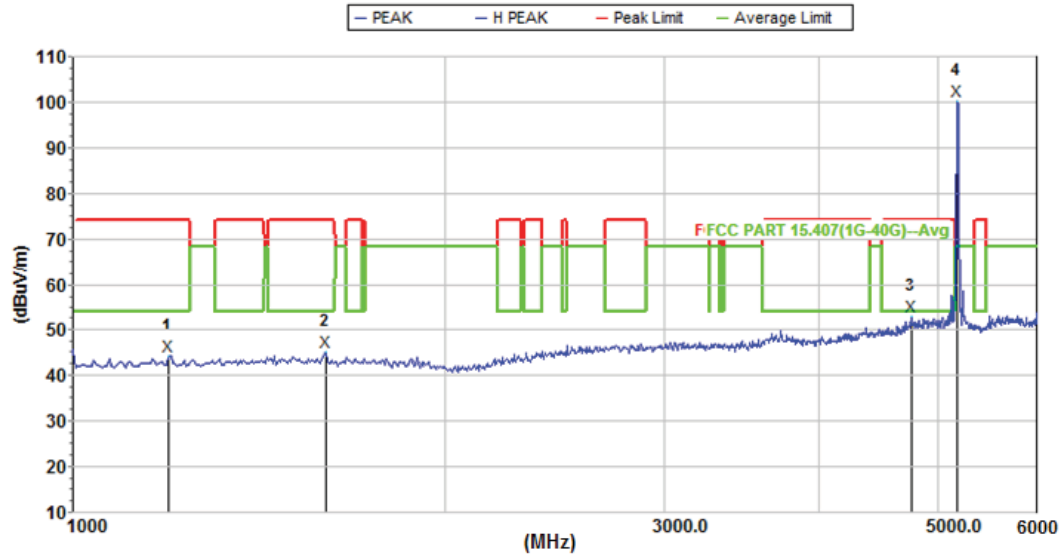
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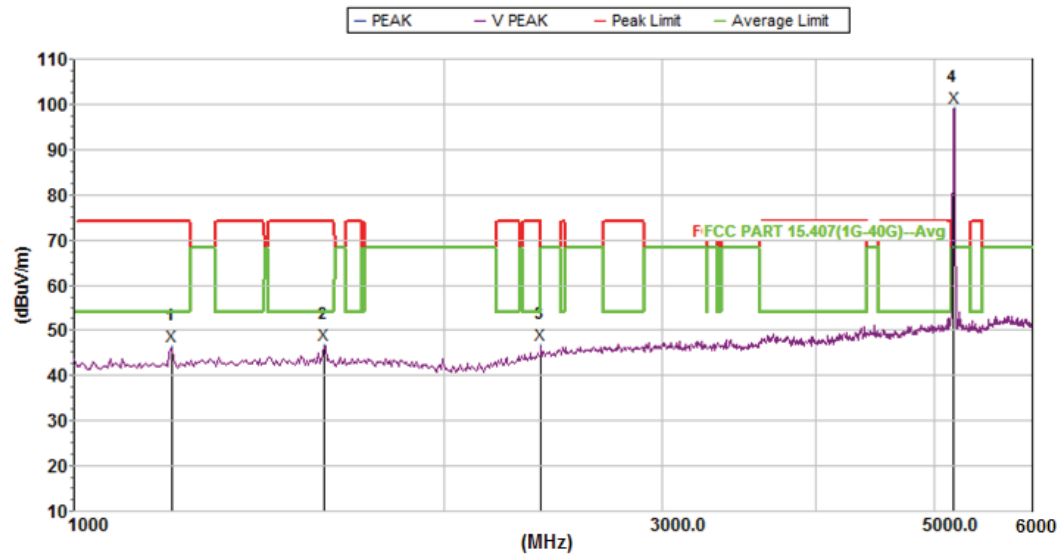


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Spurious Emission 802.11n HT20 Ch 36 5180MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT20 Ch 36 5180MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1195.000	44.3	74.0	29.7	25.0	40.2	3.0	10.0	H
2	1600.000	45.4	74.0	28.6	25.7	40.3	3.5	10.0	H
3	4750.000	52.9	74.0	21.1	31.1	41.8	6.3	10.0	H
4 F	5180	100.2	-	-	31.7	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1200.000	46.6	74.0	27.4	25.0	40.2	3.0	10.0	V
2	1595.000	46.9	74.0	27.1	25.7	40.3	3.5	10.0	V
3	2395.000	46.8	68.2	21.4	27.3	40.5	4.4	10.0	V
4 F	5180	99.2	-	-	31.7	42.0	6.7	10.0	V

EMC Lab.

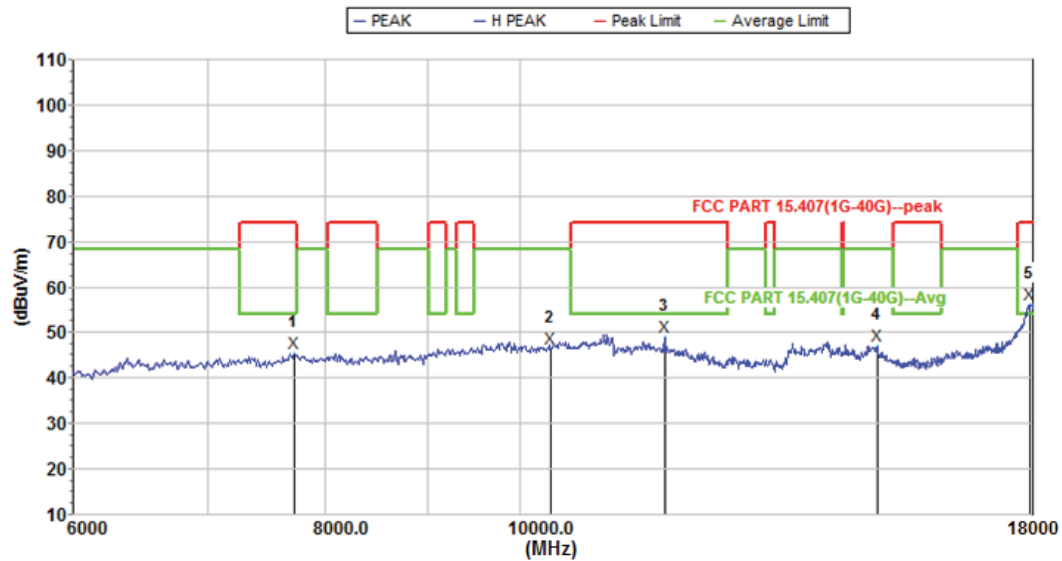
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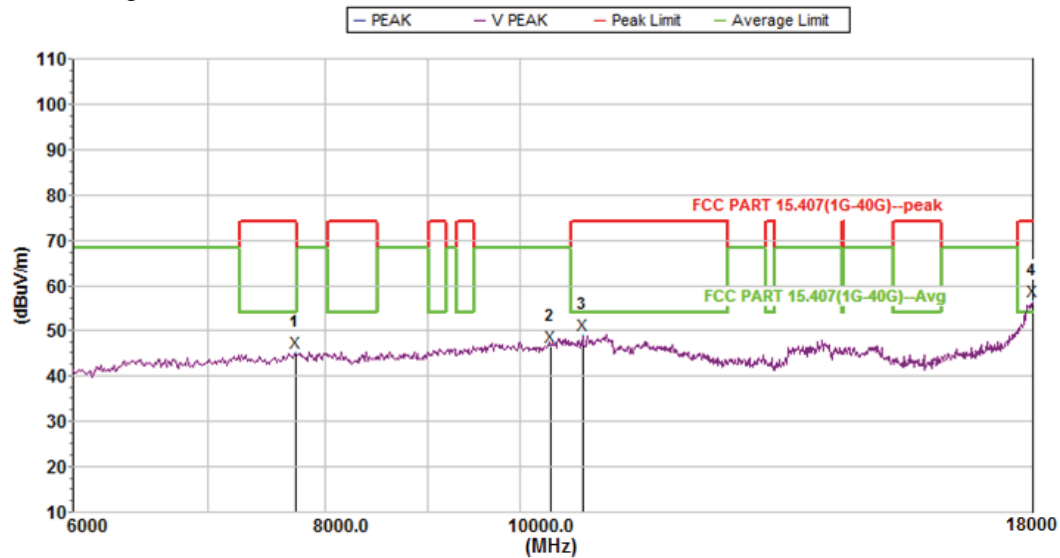


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Spurious Emission 802.11n HT20 Ch 36 5180MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT20 Ch 36 5180MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7728.000	45.5	74.0	28.5	36.8	42.2	7.4	0.2	H
2	10360.000	46.7	68.2	21.5	39.3	41.9	9.0	0.3	H
3	11808.000	49.0	74.0	25.0	39.5	41.8	10.1	0.9	H
4	15060.000	47.2	68.2	21.0	40.5	40.8	10.8	1.3	H
5	17952.000	56.3	74.0	17.7	48.4	41.3	12.9	5.8	H
Avg									
1	17952.000	47.29	54.0	6.7	48.4	41.3	12.9	5.8	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7740.000	45.4	74.0	28.6	36.8	42.2	7.4	0.2	V
2	10360.000	46.6	68.2	21.6	39.3	41.9	9.0	0.3	V
3	10752.000	49.0	74.0	25.0	40.0	42.0	9.6	0.5	V
4	17988.000	56.7	74.0	17.3	48.9	41.3	12.3	5.9	V
Avg									
1	17988.000	47.29	54.0	6.7	48.9	41.3	12.3	5.9	V

EMC Lab.

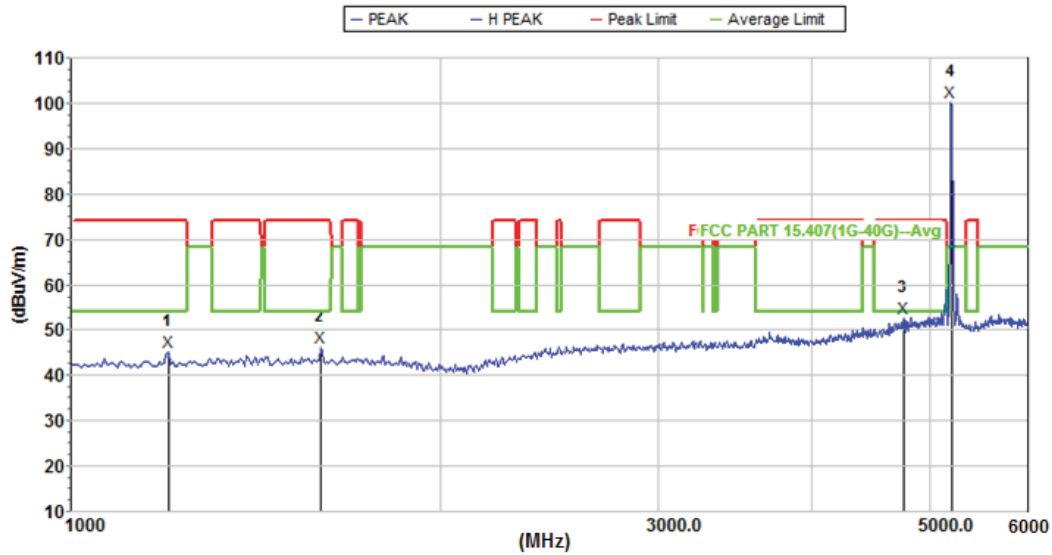
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Facsimile (FAX) :+886-2-7737-3610

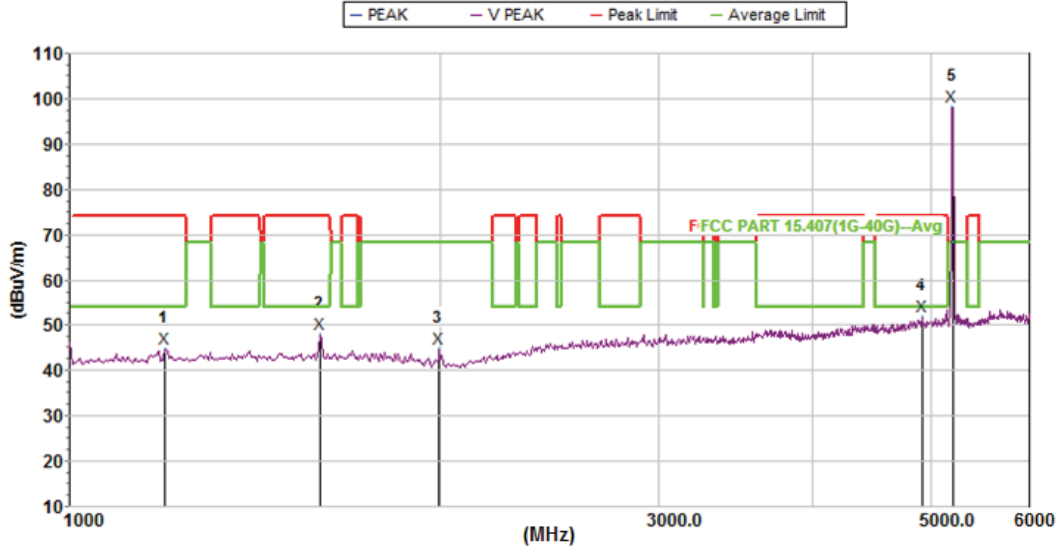


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Spurious Emission 802.11n HT20 Ch 40 5200MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT20 Ch 40 5200MHz 1-6GHz Vertical



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Issued date : 2017/10/31
FCC ID : A43-WISP5

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1200.000	45.2	74.0	28.8	25.0	40.2	3.0	10.0	H
2	1595.000	46.1	74.0	27.9	25.7	40.3	3.5	10.0	H
3	4750.000	52.8	74.0	21.2	31.1	41.8	6.3	10.0	H
4 F	5200	100.2	-	-	31.7	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1195.000	44.9	74.0	29.1	25.0	40.2	3.0	10.0	V
2	1595.000	48.1	74.0	25.9	25.7	40.3	3.5	10.0	V
3	1995.000	45.0	68.2	23.2	26.1	40.4	4.1	10.0	V
4	4910.000	52.0	74.0	22.0	31.4	41.9	6.5	10.0	V
5 F	5200	98.5	-	-	31.7	42.0	6.7	10.0	V

EMC Lab.

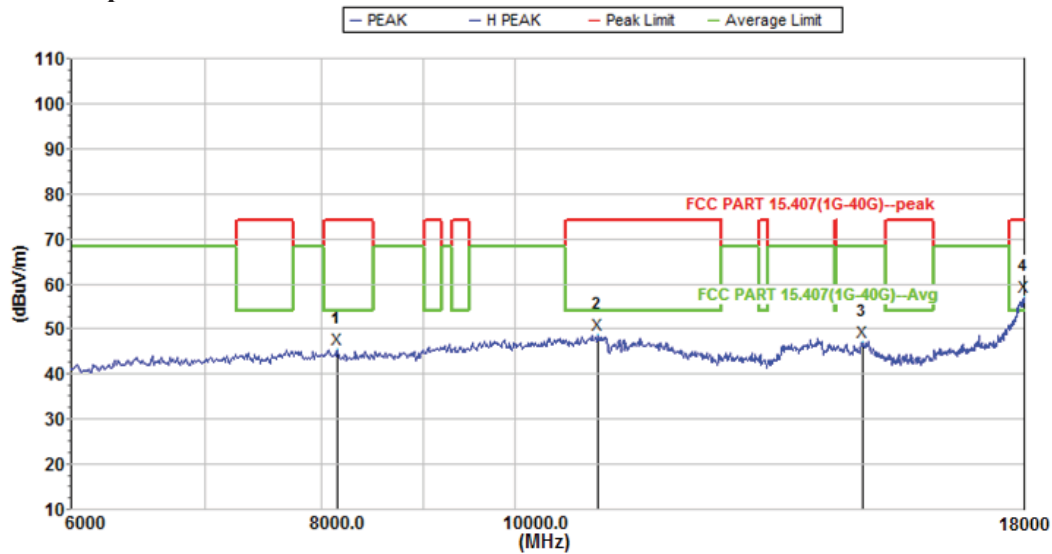
Underwriters Laboratories Taiwan Co., Ltd.

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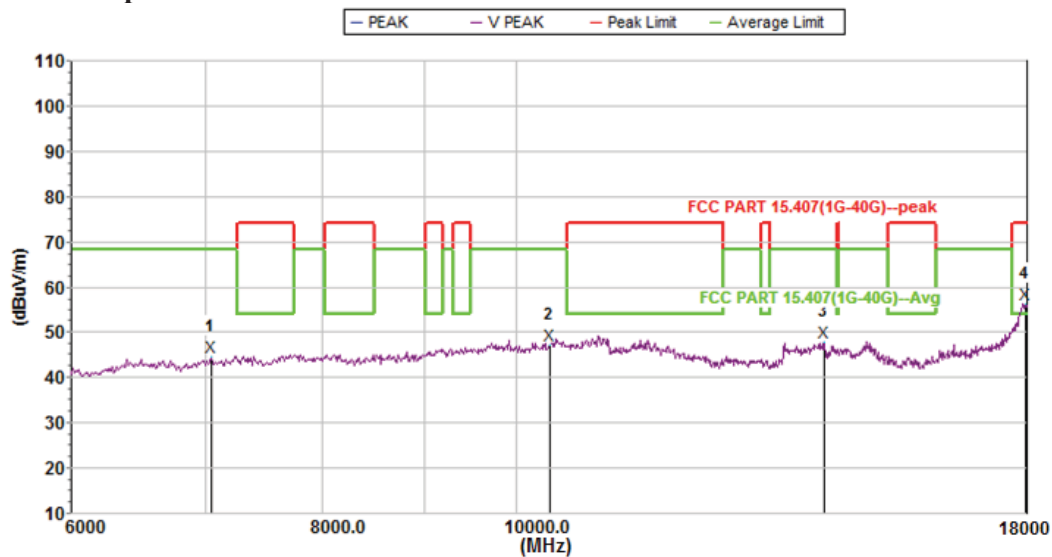


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Spurious Emission 802.11n HT20 Ch 40 5200MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT20 Ch 40 5200MHz 6-18GHz Vertical



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FCC ID : A43-WISP5

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	8160.000	45.5	74.0	28.5	37.0	42.2	7.5	0.2	H
2	11004.000	48.7	74.0	25.3	40.3	42.1	10.0	0.8	H
3	14940.000	47.3	68.2	20.9	40.9	40.8	10.8	1.3	H
4	17988.000	57.4	74.0	16.6	48.9	41.3	12.3	5.9	H
Avg									
1	17988.000	47.3	54.0	6.7	48.9	41.3	12.3	5.9	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7044.000	44.7	68.2	23.5	35.6	42.2	7.2	0.3	V
2	10400.000	47.1	68.2	21.1	39.4	41.9	9.0	0.3	V
3	14256.000	48.0	68.2	20.2	41.3	40.6	10.2	1.0	V
4	17964.000	56.4	74.0	17.6	48.6	41.3	12.7	5.8	V
Avg									
1	17964.000	47.31	54.0	6.7	48.6	41.3	12.7	5.8	V

EMC Lab.

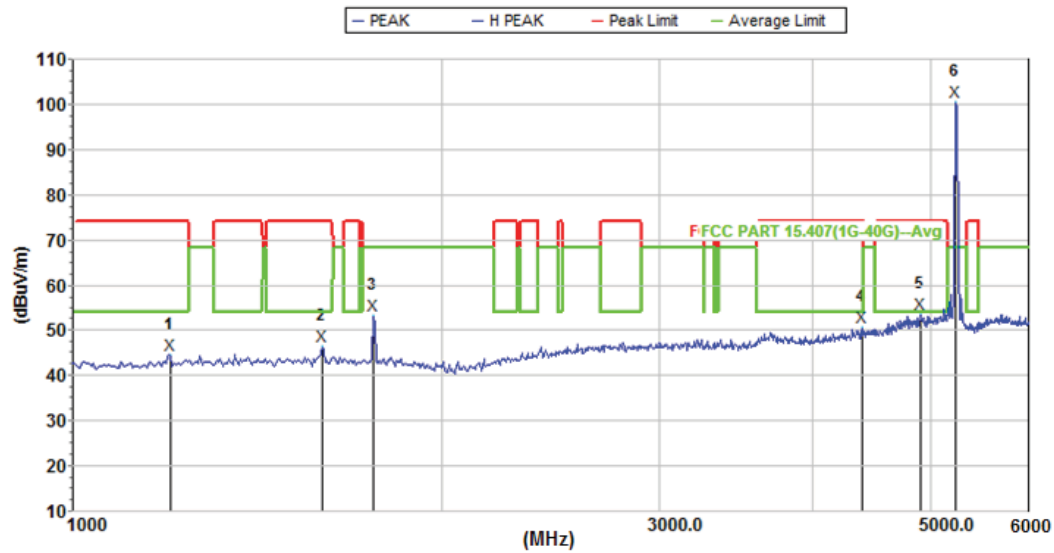
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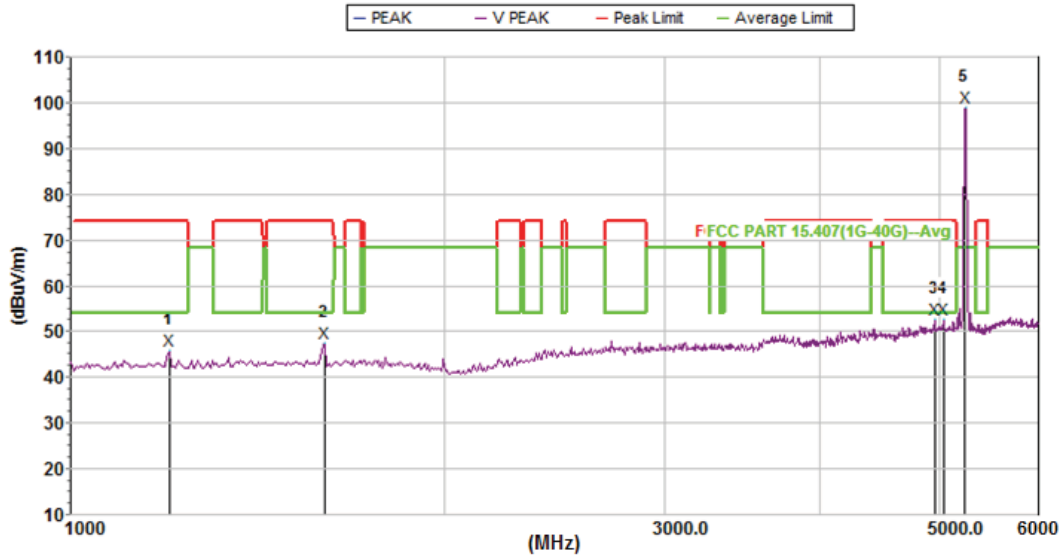


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Spurious Emission 802.11n HT20 Ch 48 5240MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT20 Ch 48 5240MHz 1-6GHz Vertical



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FCC ID : A43-WISP5

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1200.000	44.5	74.0	29.5	25.0	40.2	3.0	10.0	H
2	1595.000	46.6	74.0	27.4	25.7	40.3	3.5	10.0	H
3	1755.000	53.4	68.2	14.8	25.9	40.3	3.7	10.0	H
4	4390.000	50.9	74.0	23.1	30.6	41.7	5.9	10.0	H
5	4900.000	53.7	74.0	20.3	31.4	41.9	6.5	10.0	H
6 F	5240	100.7	-	-	31.7	42.0	6.8	10.0	H
Avg									
1	4900.000	43.18	54.0	10.8	31.4	41.9	6.5	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1200.000	45.8	74.0	28.2	25.0	40.2	3.0	10.0	V
2	1600.000	47.4	74.0	26.6	25.7	40.3	3.5	10.0	V
3	4950.000	52.8	74.0	21.2	31.4	41.9	6.4	10.0	V
4	5030.000	52.6	74.0	21.4	31.5	42.0	6.4	10.0	V
5 F	5240	99.1	-	-	31.7	42.0	6.8	10.0	V

EMC Lab.

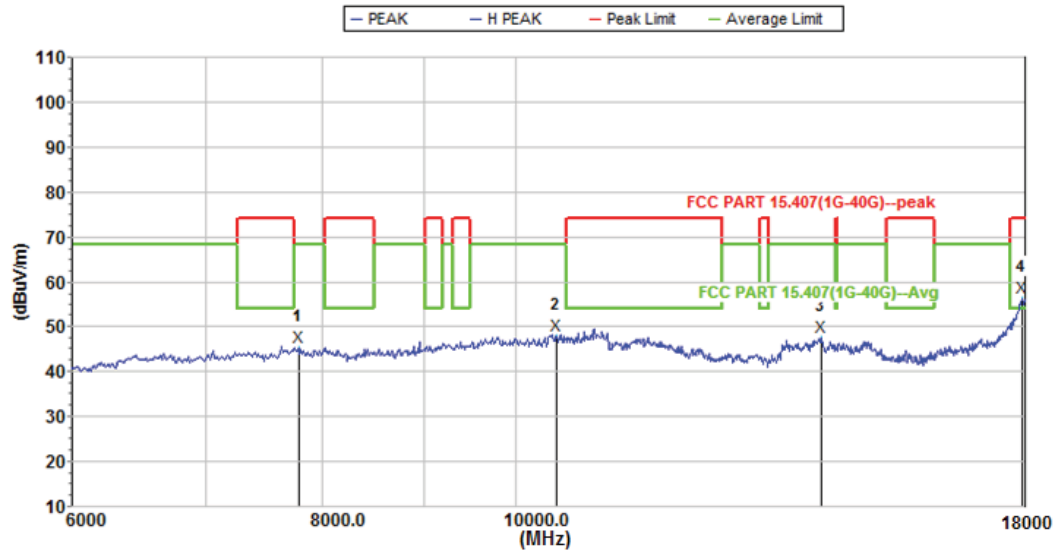
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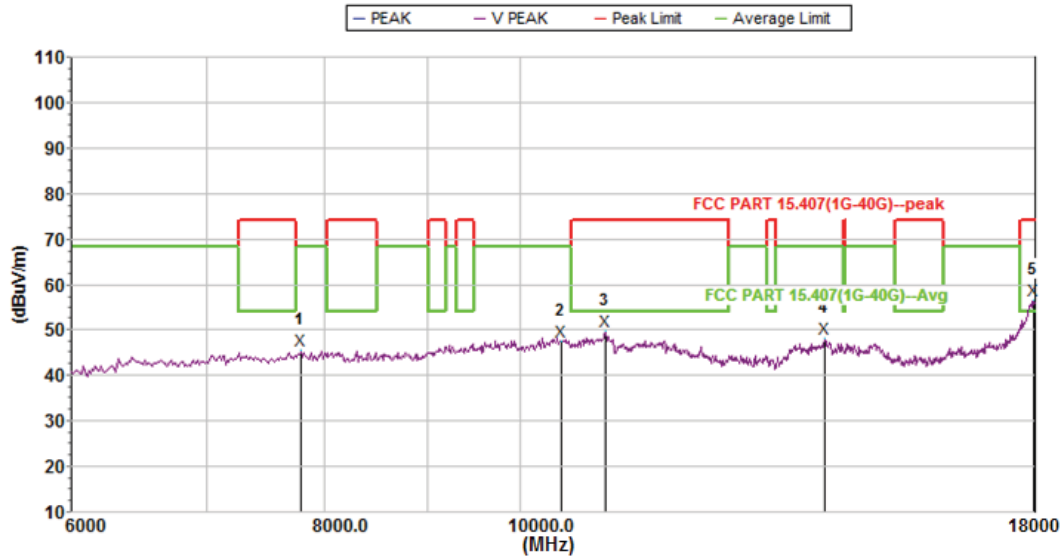


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Spurious Emission 802.11n HT20 Ch 48 5240MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT20 Ch 48 5240MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7800.000	45.7	68.2	22.5	36.9	42.2	7.5	0.2	H
2	10480.000	48.1	68.2	20.1	39.6	41.9	9.1	0.3	H
3	14232.000	47.8	68.2	20.4	41.2	40.6	10.3	1.1	H
4	17952.000	56.6	74.0	17.4	48.4	41.3	12.9	5.8	H
Avg									
1	17952.000	47.28	54.0	6.7	48.4	41.3	12.9	5.8	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7800.000	45.6	68.2	22.6	36.9	42.2	7.5	0.2	V
2	10480.000	47.5	68.2	20.7	39.6	41.9	9.1	0.3	V
3	11028.000	49.8	74.0	24.2	40.3	42.1	10.0	0.8	V
4	14160.000	48.3	68.2	19.9	41.1	40.6	10.4	1.1	V
5	17964.000	56.7	74.0	17.3	48.6	41.3	12.7	5.8	V
Avg									
1	17964.000	47.33	54.0	6.7	48.6	41.3	12.7	5.8	V

EMC Lab.

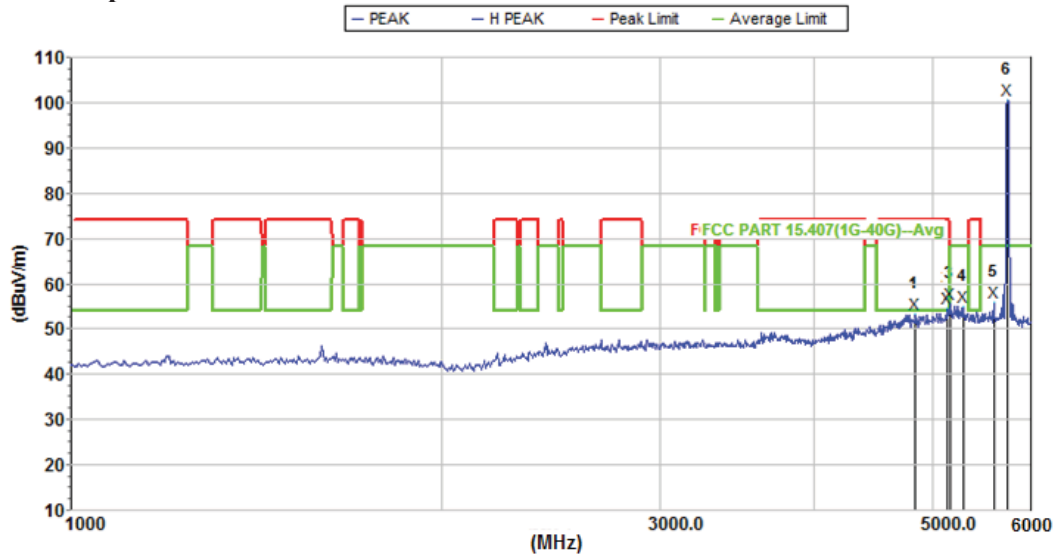
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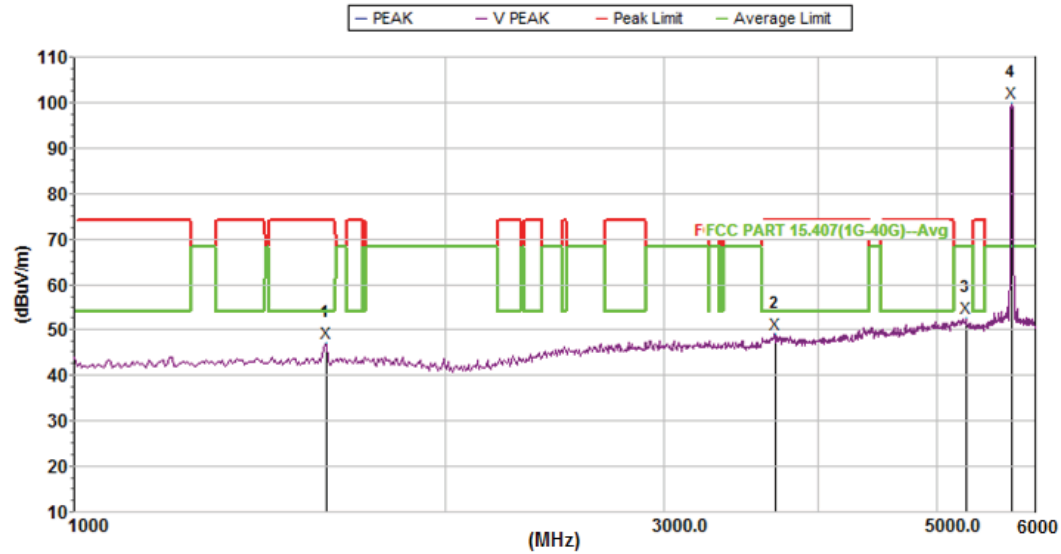


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Spurious Emission 802.11n HT20 Ch 149 5745MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT20 Ch 149 5745MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	4840.000	53.3	74.0	20.7	31.3	41.9	6.4	10.0	H
2	5135.000	54.7	74.0	19.3	31.6	42.0	6.7	10.0	H
3	5160.000	55.5	68.2	12.7	31.7	42.0	6.7	10.0	H
4	5290.000	55.1	68.2	13.1	31.8	42.0	7.0	10.0	H
5	5600.000	56.0	68.2	12.2	32.1	42.1	7.5	10.0	H
6 F	5745	100.5	-	-	32.3	42.2	7.5	10.0	H
Avg									
1	5135.000	44.16	54.0	9.8	31.6	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	47.1	74.0	26.9	25.7	40.3	3.5	10.0	V
2	3695.000	49.2	74.0	24.8	29.1	41.2	5.4	10.0	V
3	5275.000	52.8	68.2	15.4	31.8	42.0	6.9	10.0	V
4 F	5745	100.0	-	-	32.3	42.2	7.5	10.0	V

EMC Lab.

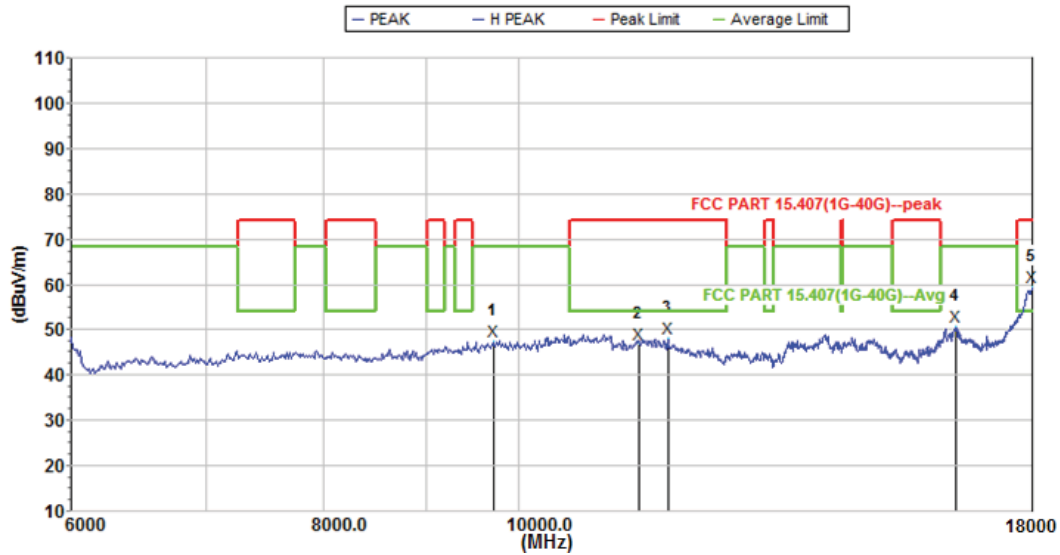
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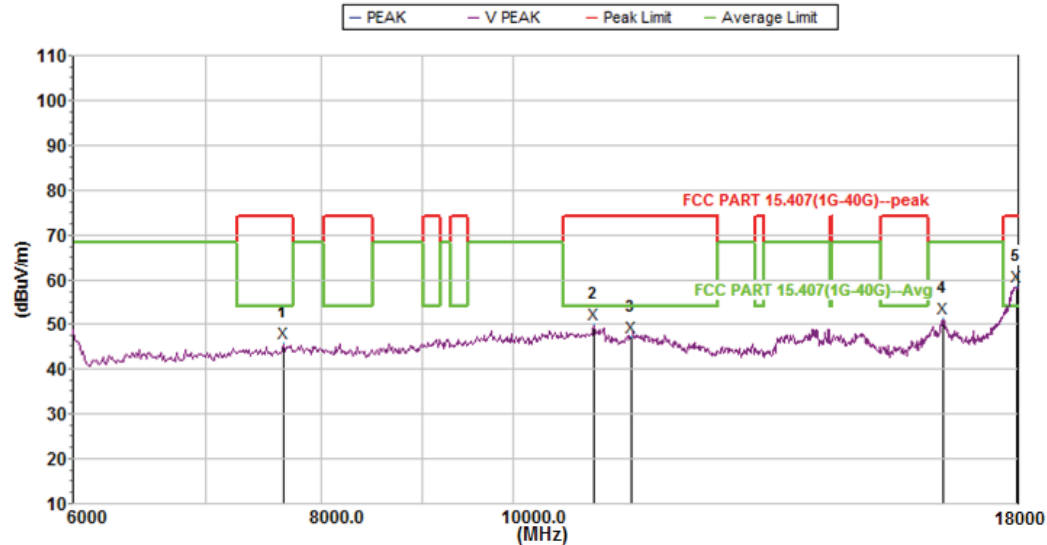


Test report No. : 4788166493A-US-R2-V0
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Spurious Emission 802.11n HT20 Ch 149 5745MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT20 Ch 149 5745MHz 6-18GHz Vertical



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Test report No. : 4788166493A-US-R2-V0
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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	9720.000	47.4	68.2	20.8	38.6	41.8	8.3	0.5	H
2	11490.000	46.9	74.0	27.1	40.1	42.0	10.3	0.9	H
3	11868.000	48.2	74.0	25.8	39.4	41.8	10.2	0.9	H
4	16500.000	50.7	68.2	17.5	39.0	40.7	11.7	6.6	H
5	17988.000	59.4	74.0	14.6	48.9	41.3	12.3	8.2	H
Avg									
1	17988.000	50.16	54.0	3.8	48.9	41.3	12.3	8.2	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7668.000	46.0	74.0	28.0	36.7	42.2	7.4	0.1	V
2	10992.000	50.0	74.0	24.0	40.3	42.1	10.0	0.9	V
3	11490.000	47.1	74.0	26.9	40.1	42.0	10.3	0.9	V
4	16488.000	51.3	68.2	16.9	39.0	40.7	11.7	6.5	V
5	17964.000	58.6	74.0	15.4	48.6	41.3	12.7	8.1	V
Avg									
1	17964.000	50.21	54.0	3.8	48.6	41.3	12.7	8.1	V

EMC Lab.

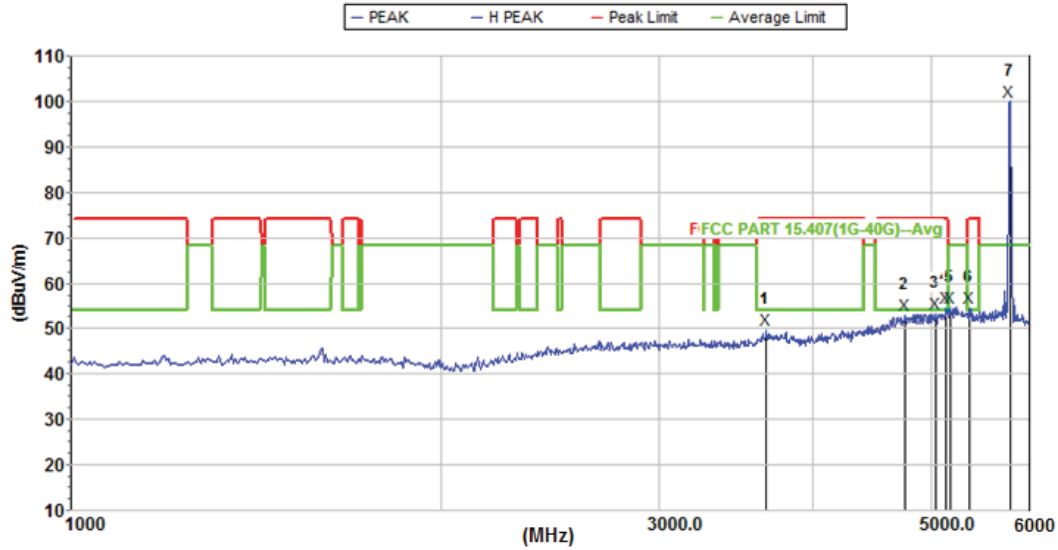
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Facsimile (FAX) :+886-2-7737-3610

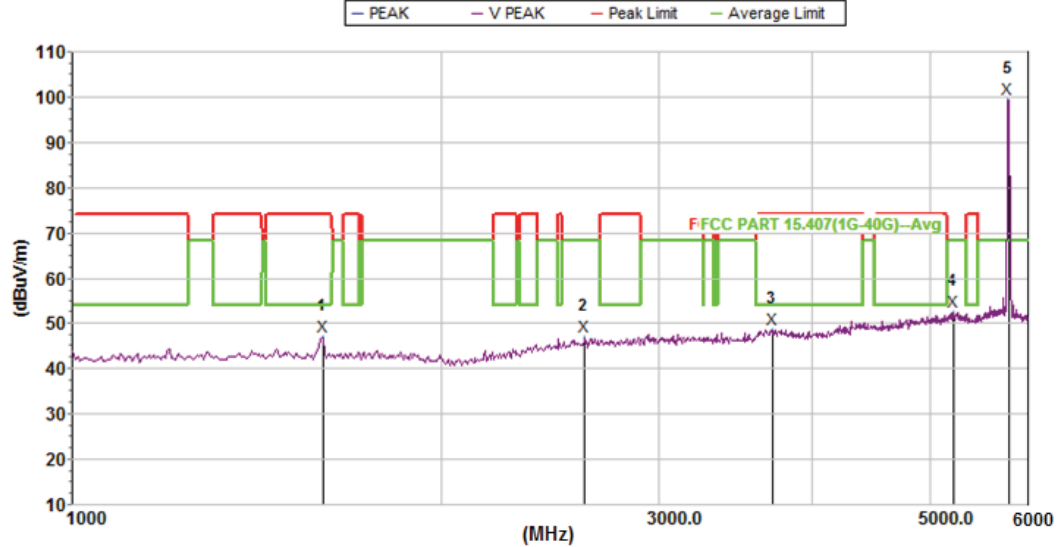


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Spurious Emission 802.11n HT20 Ch 157 5785MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT20 Ch 157 5785MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	3670.000	49.9	74.0	24.1	29.0	41.2	5.3	10.0	H
2	4760.000	53.1	74.0	20.9	31.2	41.8	6.3	10.0	H
3	5040.000	53.3	74.0	20.7	31.5	42.0	6.5	10.0	H
4	5140.000	54.6	74.0	19.4	31.6	42.0	6.7	10.0	H
5	5170.000	54.5	68.2	13.7	31.7	42.0	6.7	10.0	H
6	5370.000	54.5	74.0	19.5	31.9	42.1	7.0	10.0	H
7 F	5785	99.9	-	-	32.4	42.2	7.4	10.0	H
Avg									
1	5140.000	43.59	54.0	10.4	31.6	42.0	6.7	10.0	H
2	5370.000	44.08	54.0	9.9	31.9	42.1	7.0	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	47.2	74.0	26.8	25.7	40.3	3.5	10.0	V
2	2615.000	47.2	68.2	21.0	27.8	40.6	4.6	10.0	V
3	3720.000	48.9	74.0	25.1	29.1	41.3	5.5	10.0	V
4	5220.000	52.7	68.2	15.5	31.7	42.0	6.8	10.0	V
5 F	5785	99.6	-	-	32.4	42.2	7.4	10.0	V

EMC Lab.

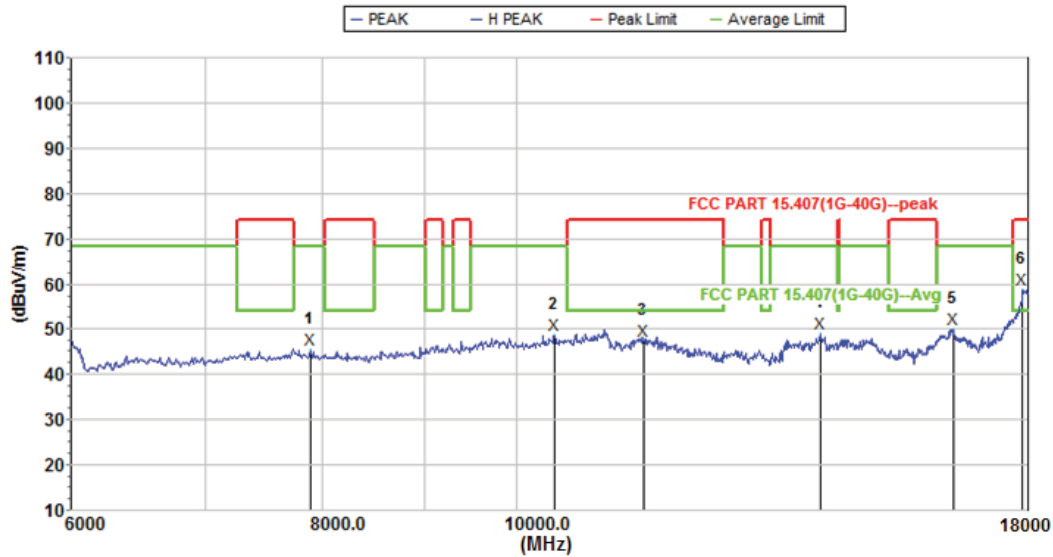
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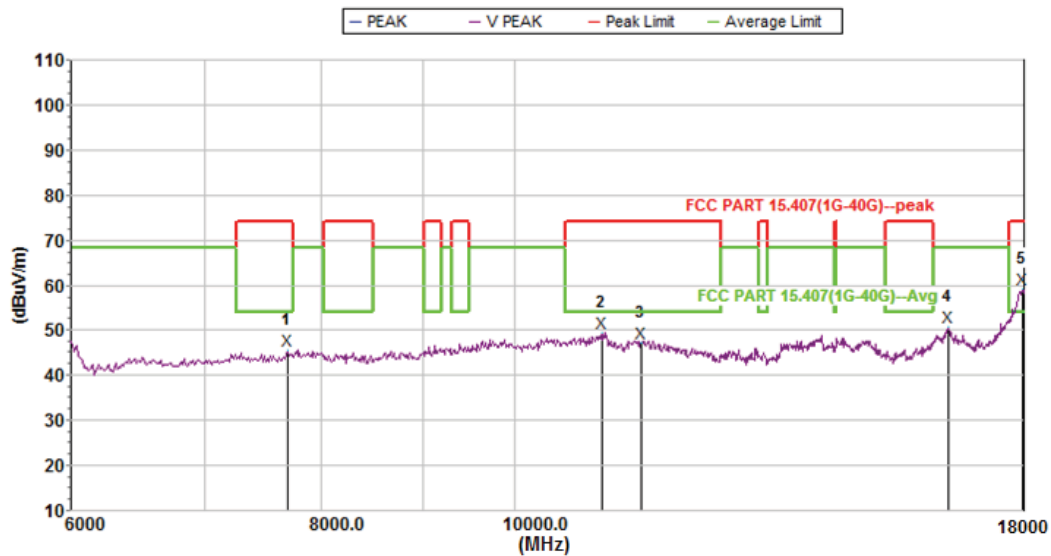


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Spurious Emission 802.11n HT20 Ch 157 5785MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT20 Ch 157 5785MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7896.000	45.7	68.2	22.5	37.0	42.2	7.4	0.1	H
2	10452.000	48.7	68.2	19.5	39.5	41.9	9.1	0.4	H
3	11570.000	47.4	74.0	26.6	40.0	42.0	10.2	0.9	H
4	14184.000	49.3	68.2	18.9	41.2	40.6	10.4	0.9	H
5	16512.000	50.0	68.2	18.2	39.0	40.7	11.7	6.5	H
6	17892.000	58.8	74.0	15.2	47.6	41.2	13.6	7.8	H
Avg									
1	17892.000	50.22	54.0	3.8	47.6	41.2	13.6	7.8	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7704.000	45.7	74.0	28.3	36.7	42.2	7.3	0.1	V
2	11076.000	49.5	74.0	24.5	40.3	42.1	10.1	0.9	V
3	11570.000	47.3	74.0	26.7	40.0	42.0	10.2	0.9	V
4	16500.000	50.9	68.2	17.3	39.0	40.7	11.7	6.6	V
5	17976.000	59.1	74.0	14.9	48.8	41.3	12.5	8.2	V
Avg									
1	17976.000	50.19	54.0	3.8	48.8	41.3	12.5	8.2	V

EMC Lab.

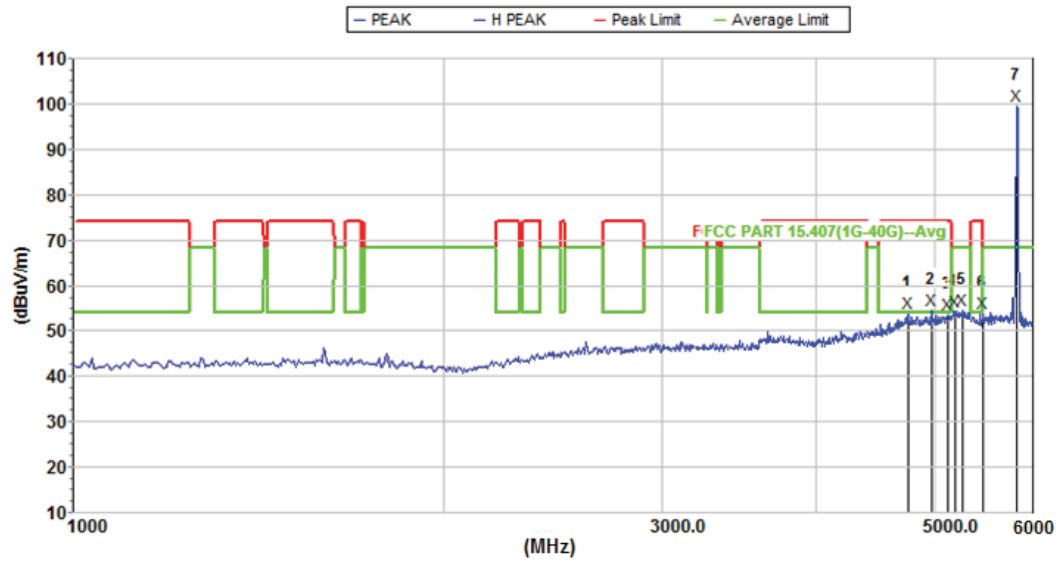
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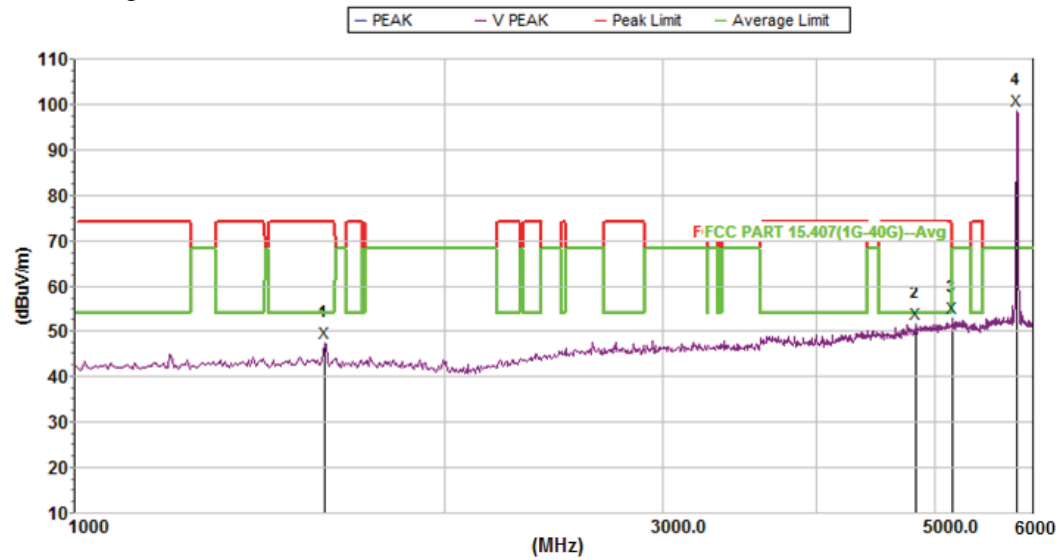


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Spurious Emission 802.11n HT20 Ch 165 5825MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT20 Ch 165 5825MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	4755.000	53.9	74.0	20.1	31.2	41.8	6.3	10.0	H
2	4965.000	54.7	74.0	19.3	31.5	41.9	6.4	10.0	H
3	5120.000	53.7	74.0	20.3	31.6	42.0	6.6	10.0	H
4	5190.000	54.3	68.2	13.9	31.7	42.0	6.7	10.0	H
5	5260.000	54.5	68.2	13.7	31.8	42.0	6.9	10.0	H
6	5465.000	54.0	68.2	14.2	32.0	42.1	7.2	10.0	H
7 F	5825	99.8	-	-	32.5	42.2	7.3	10.0	H
Avg									
1	4755.000	43.09	54.0	10.9	31.2	41.8	6.3	10.0	H
2	4965.000	43.57	54.0	10.4	31.5	41.9	6.4	10.0	H
3	5120.000	44.01	54.0	10.0	31.6	42.0	6.6	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1595.000	47.5	74.0	26.5	25.7	40.3	3.5	10.0	V
2	4815.000	51.7	74.0	22.3	31.2	41.9	6.4	10.0	V
3	5165.000	53.0	68.2	15.2	31.7	42.0	6.7	10.0	V
4 F	5825	98.7	-	-	32.5	42.2	7.3	10.0	V

EMC Lab.

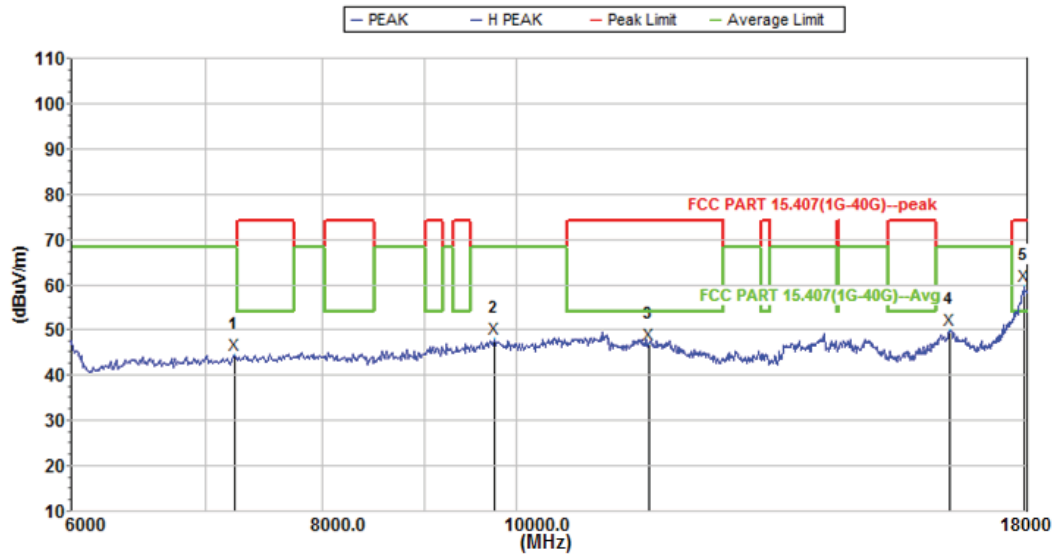
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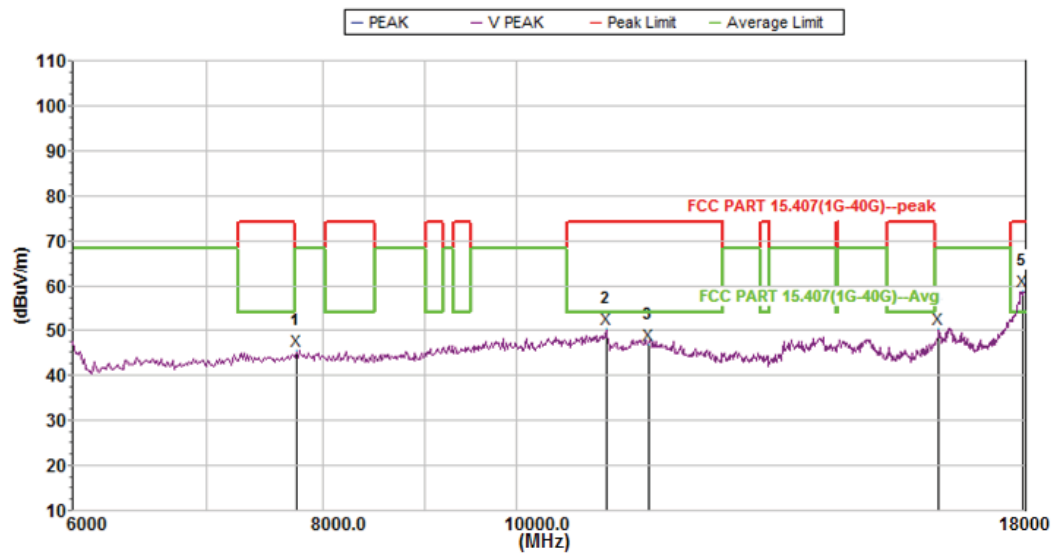


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Spurious Emission 802.11n HT20 Ch 165 5825MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT20 Ch 165 5825MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7236.000	44.7	68.2	23.5	36.0	42.2	7.1	0.1	H
2	9756.000	48.3	68.2	19.9	38.6	41.8	8.4	0.5	H
3	11650.000	46.9	74.0	27.1	39.8	41.9	10.1	0.9	H
4	16476.000	50.0	68.2	18.2	38.9	40.7	11.6	6.5	H
5	17940.000	59.7	74.0	14.3	48.3	41.2	13.1	8.0	H
Avg									
1	17940.000	50.24	54.0	3.8	48.3	41.2	13.1	8.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7764.000	45.6	68.2	22.6	36.8	42.2	7.4	0.1	V
2	11100.000	50.4	74.0	23.6	40.3	42.1	10.1	0.9	V
3	11650.000	47.0	74.0	27.0	39.8	41.9	10.1	0.9	V
4	16284.000	50.6	68.2	17.6	38.4	40.7	11.1	5.3	V
5	17928.000	58.8	74.0	15.2	48.1	41.3	13.3	8.0	V
Avg									
1	17928.000	50.17	54.0	3.8	48.1	41.3	13.3	8.0	V

EMC Lab.

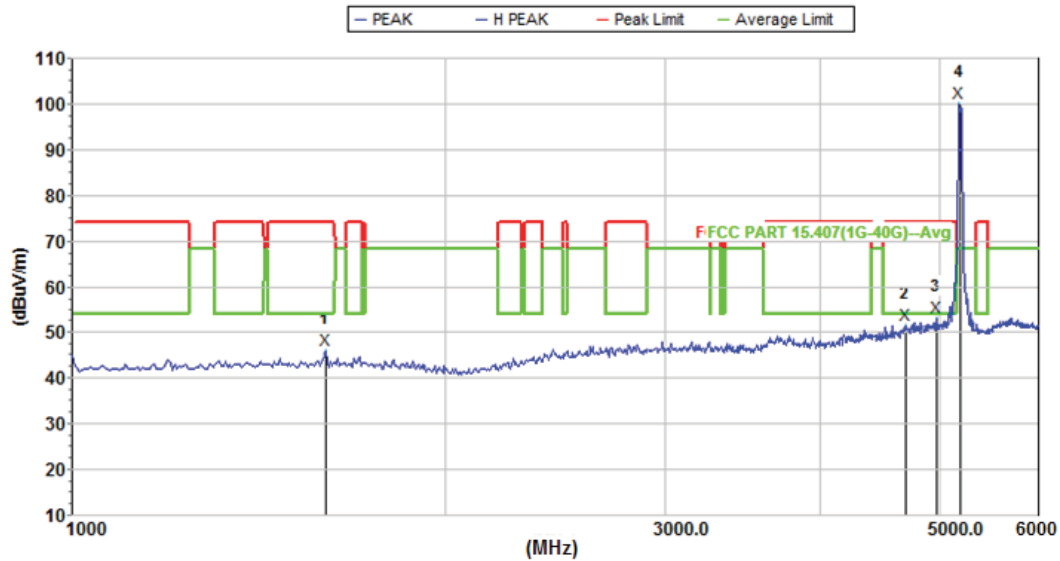
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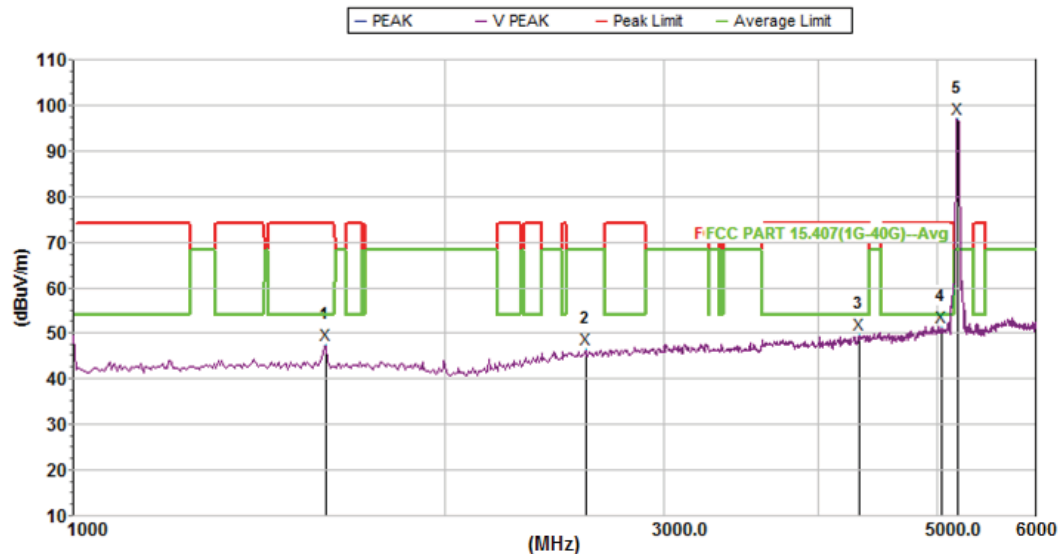


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Spurious Emission 802.11n HT40 Ch 38 5190MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT40 Ch 38 5190MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	46.1	74.0	27.9	25.7	40.3	3.5	10.0	H
2	4685.000	51.6	74.0	22.4	31.1	41.8	6.1	10.0	H
3	4970.000	53.4	74.0	20.6	31.5	41.9	6.4	10.0	H
4 F	5190	100.4	-	-	31.7	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	47.7	74.0	26.3	25.7	40.3	3.5	10.0	V
2	2595.000	46.5	68.2	21.7	27.8	40.6	4.6	10.0	V
3	4320.000	49.9	74.0	24.1	30.4	41.6	5.7	10.0	V
4	5030.000	51.5	74.0	22.5	31.5	42.0	6.4	10.0	V
5 F	5190.000	97.2	-	-	31.7	42.0	6.7	10.0	V

EMC Lab.

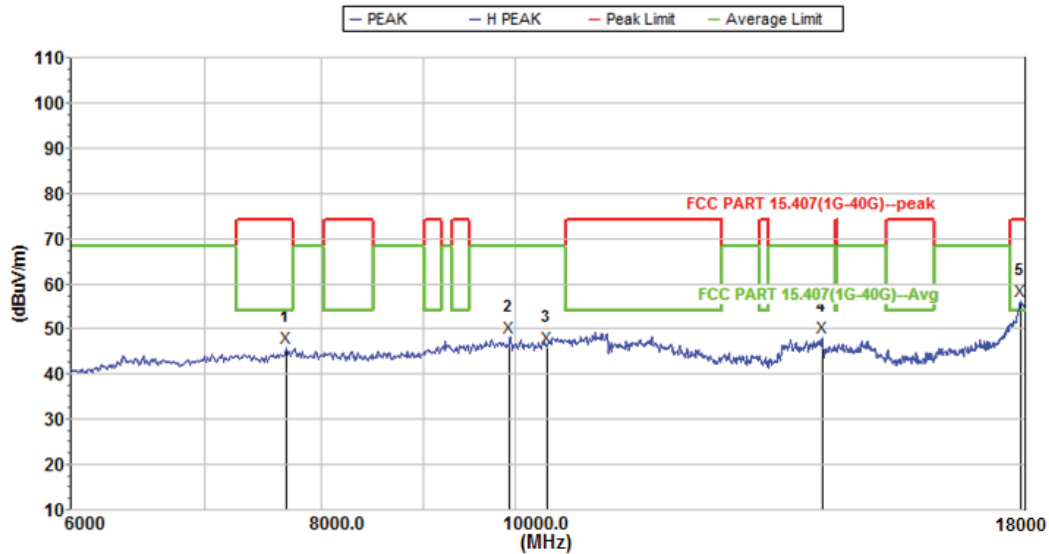
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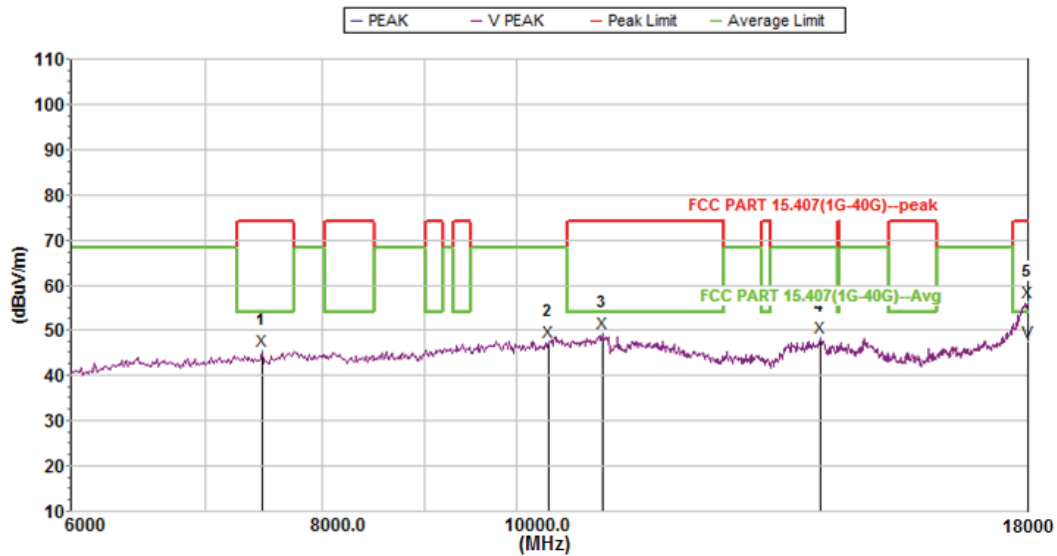


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Spurious Emission 802.11n HT40 Ch 38 5190MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT40 Ch 38 5190MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7692.000	45.8	74.0	28.2	36.7	42.2	7.3	0.1	H
2	9948.000	48.1	68.2	20.1	38.7	41.8	8.6	0.6	H
3	10380.000	46.0	68.2	22.2	39.4	41.9	9.0	0.3	H
4	14256.000	48.1	68.2	20.1	41.3	40.6	10.2	1.0	H
5	17904.000	56.3	74.0	17.7	47.8	41.2	13.7	5.7	H
Avg									
1	17904.000	47.26	54.0	6.7	47.8	41.2	13.7	5.7	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7476.000	45.7	74.0	28.3	36.5	42.2	7.3	0.1	V
2	10380.000	47.4	68.2	20.8	39.4	41.9	9.0	0.3	V
3	11040.000	49.5	74.0	24.5	40.3	42.1	10.0	0.8	V
4	14196.000	48.5	68.2	19.7	41.2	40.6	10.4	1.1	V
5	17988.000	56.3	74.0	17.7	48.9	41.3	12.3	5.9	V
Avg									
1	17988.000	47.4	54.0	6.6	48.9	41.3	12.3	5.9	V

EMC Lab.

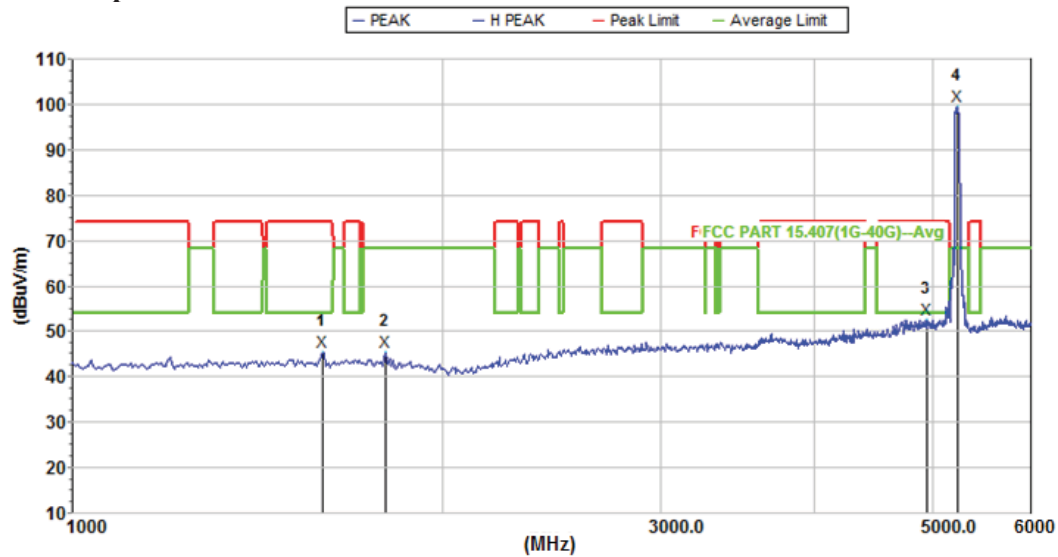
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Telephone :+886-2-7737-3000
Facsimile (FAX) :+886-2-7737-3610

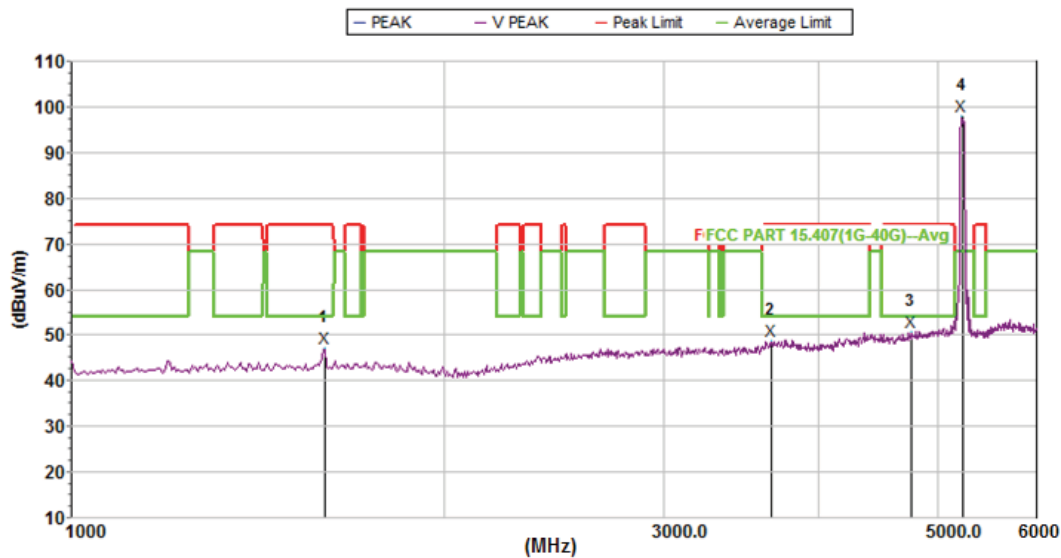


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Spurious Emission 802.11n HT40 Ch 46 5230MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT40 Ch 46 5230MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1595.000	45.6	74.0	28.4	25.7	40.3	3.5	10.0	H
2	1795.000	45.7	68.2	22.5	25.9	40.4	3.7	10.0	H
3	4945.000	52.7	74.0	21.3	31.4	41.9	6.4	10.0	H
4 F	5230	99.6	-	-	31.7	42.0	6.8	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	47.3	74.0	26.7	25.7	40.3	3.5	10.0	V
2	3665.000	48.9	74.0	25.1	29.0	41.2	5.3	10.0	V
3	4755.000	50.9	74.0	23.1	31.2	41.8	6.3	10.0	V
4 F	5230	98.0	-	-	31.7	42.0	6.8	10.0	V

EMC Lab.

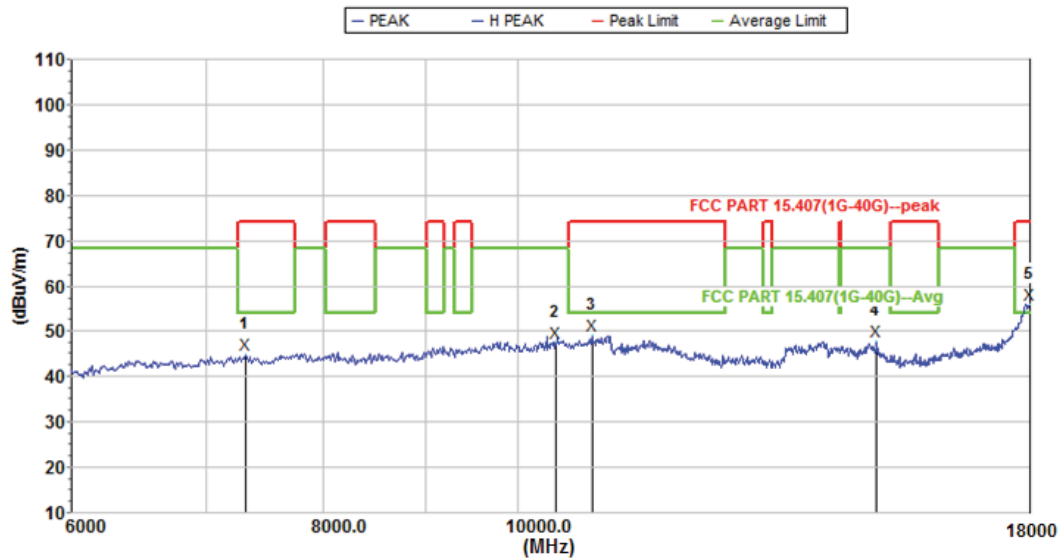
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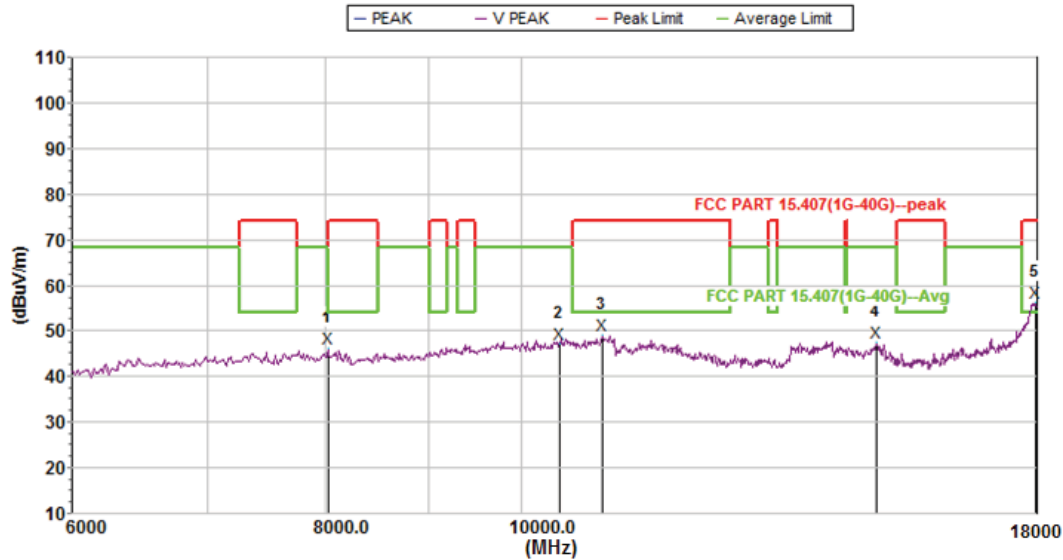


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Spurious Emission 802.11n HT40 Ch 46 5230MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT40 Ch 46 5230MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7320.000	44.8	74.0	29.2	36.1	42.2	7.2	0.1	H
2	10460.000	47.7	68.2	20.5	39.5	41.9	9.1	0.3	H
3	10896.000	49.2	74.0	24.8	40.2	42.0	9.7	0.7	H
4	15096.000	47.8	68.2	20.4	40.3	40.8	10.7	1.3	H
5	17988.000	56.1	74.0	17.9	48.9	41.3	12.3	5.9	H
Avg									
1	17988.000	47.31	54.0	6.7	48.9	41.3	12.3	5.9	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	8028.000	46.3	74.0	27.7	37.1	42.2	7.5	0.3	V
2	10460.000	47.2	68.2	21.0	39.5	41.9	9.1	0.3	V
3	10980.000	49.0	74.0	25.0	40.3	42.1	9.9	0.8	V
4	15000.000	47.5	68.2	20.7	40.8	40.8	10.9	1.4	V
5	17964.000	56.2	74.0	17.8	48.6	41.3	12.7	5.8	V
Avg									
1	17964.000	47.35	54.0	6.6	48.6	41.3	12.7	5.8	V

EMC Lab.

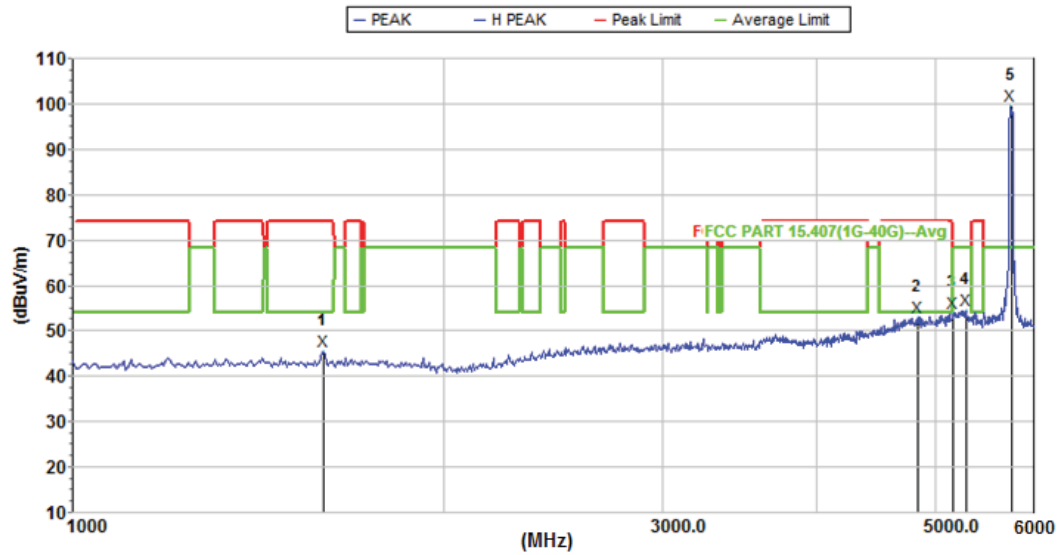
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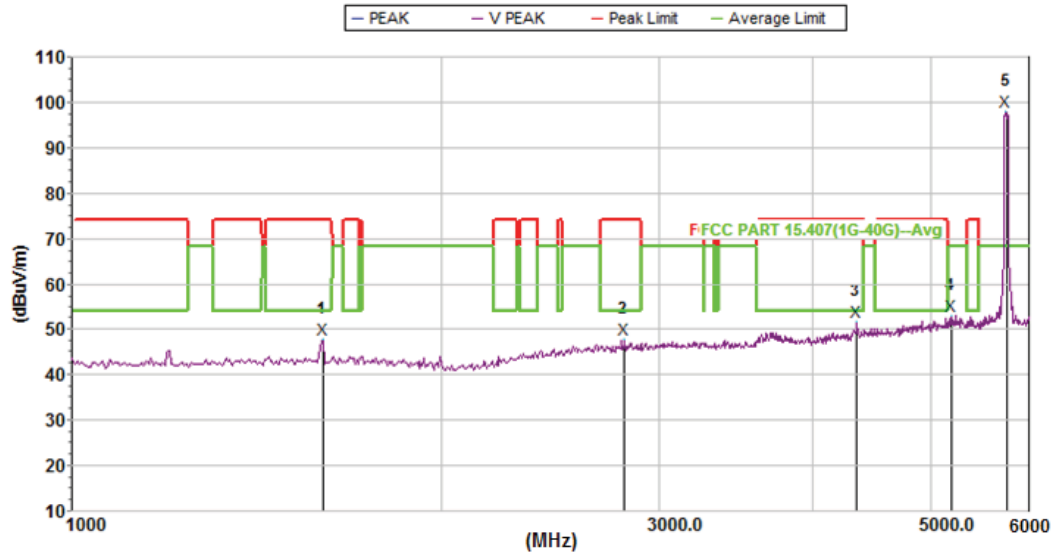


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Spurious Emission 802.11n HT40 Ch 151 5755MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT40 Ch 151 5755MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1595.000	45.5	74.0	28.5	25.7	40.3	3.5	10.0	H
2	4830.000	53.2	74.0	20.8	31.3	41.9	6.4	10.0	H
3	5160.000	53.9	68.2	14.3	31.7	42.0	6.7	10.0	H
4	5290.000	54.5	68.2	13.7	31.8	42.0	7.0	10.0	H
5 F	5755	99.6	-	-	32.4	42.2	7.5	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1600.000	47.9	74.0	26.1	25.7	40.3	3.5	10.0	V
2	2815.000	47.8	74.0	26.2	28.2	40.7	4.6	10.0	V
3	4350.000	51.9	74.0	22.1	30.5	41.6	5.8	10.0	V
4	5195.000	52.9	68.2	15.3	31.7	42.0	6.7	10.0	V
5 F	5755	98.0	-	-	32.4	42.2	7.5	10.0	V

EMC Lab.

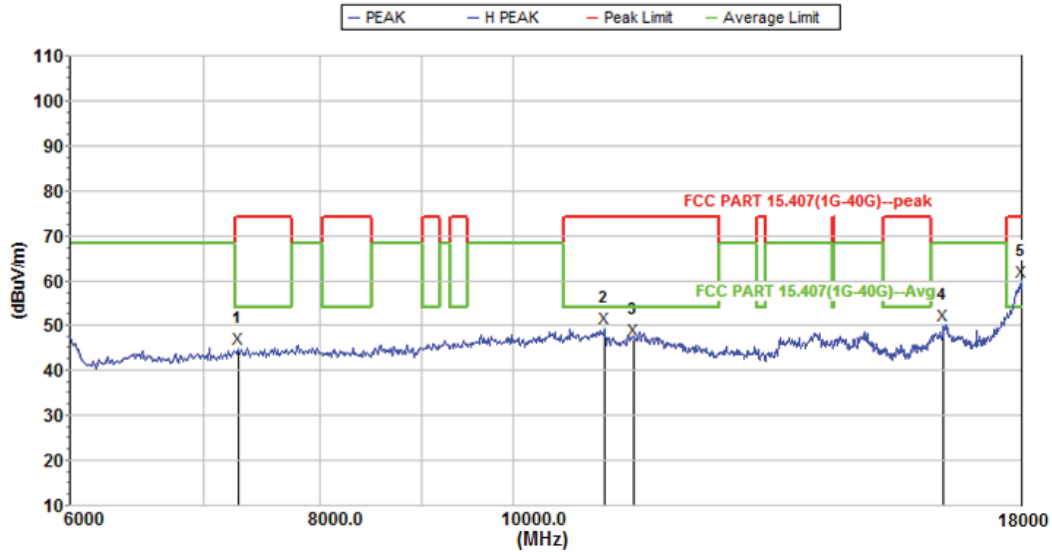
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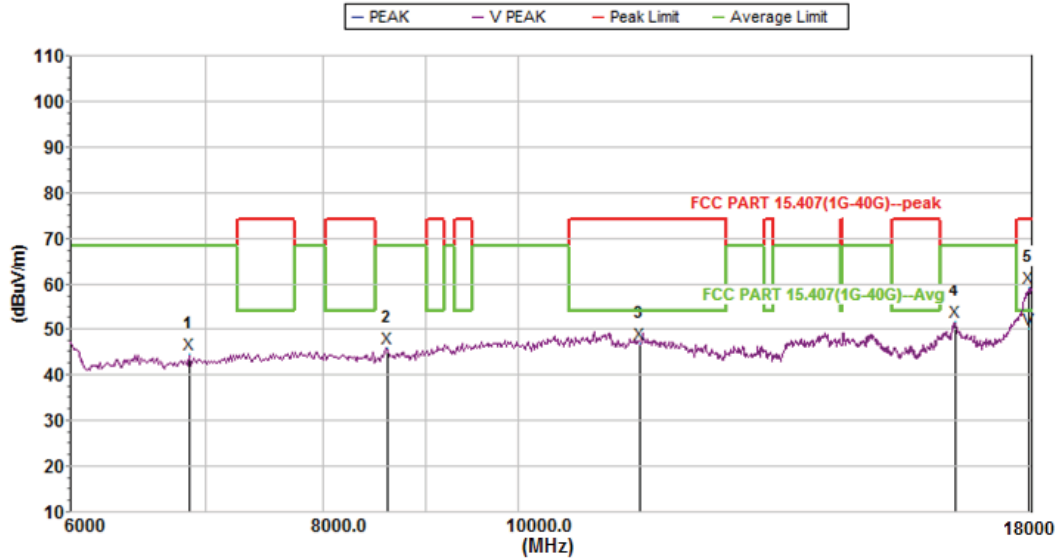


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Spurious Emission 802.11n HT40 Ch 151 5755MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT40 Ch 151 5755MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7284.000	45.1	74.0	28.9	36.1	42.2	7.2	0.1	H
2	11124.000	49.6	74.0	24.4	40.3	42.0	10.2	0.9	H
3	11510.000	46.9	74.0	27.1	40.1	42.0	10.3	0.9	H
4	16452.000	50.1	68.2	18.1	38.9	40.7	11.4	6.3	H
5	17988.000	59.8	74.0	14.2	48.9	41.3	12.3	8.2	H
Avg									
1	17988.000	50.19	54.0	3.8	48.9	41.3	12.3	8.2	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	6876.000	44.6	68.2	23.6	35.2	42.2	7.0	0.1	V
2	8616.000	45.9	68.2	22.3	36.9	42.1	7.8	0.1	V
3	11510.000	46.9	74.0	27.1	40.1	42.0	10.3	0.9	V
4	16488.000	51.6	68.2	16.6	39.0	40.7	11.7	6.5	V
5	17928.000	59.1	74.0	14.9	48.1	41.2	13.3	8.0	V
Avg									
1	17928.000	50.21	54.0	3.8	48.1	41.2	13.3	8.0	V

EMC Lab.

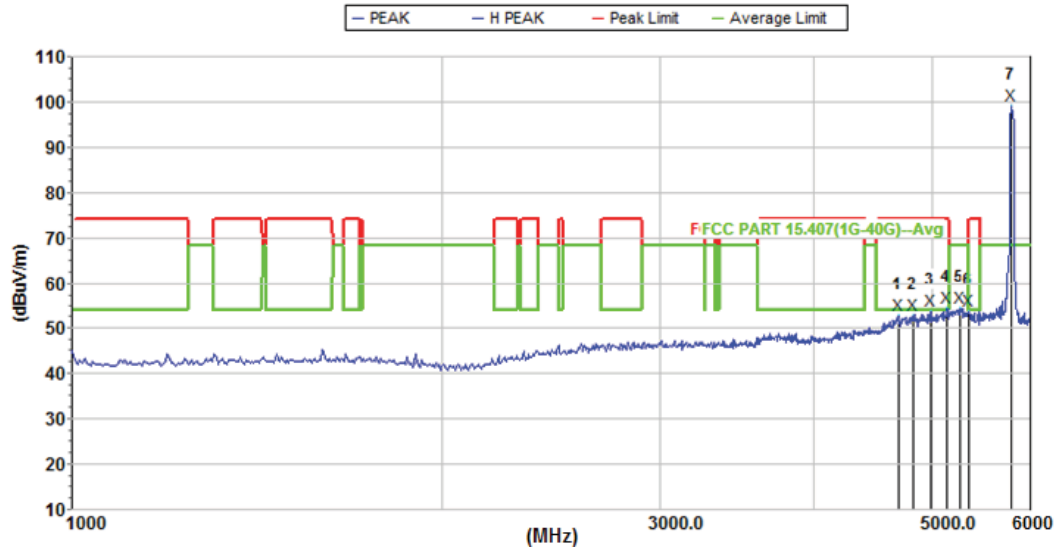
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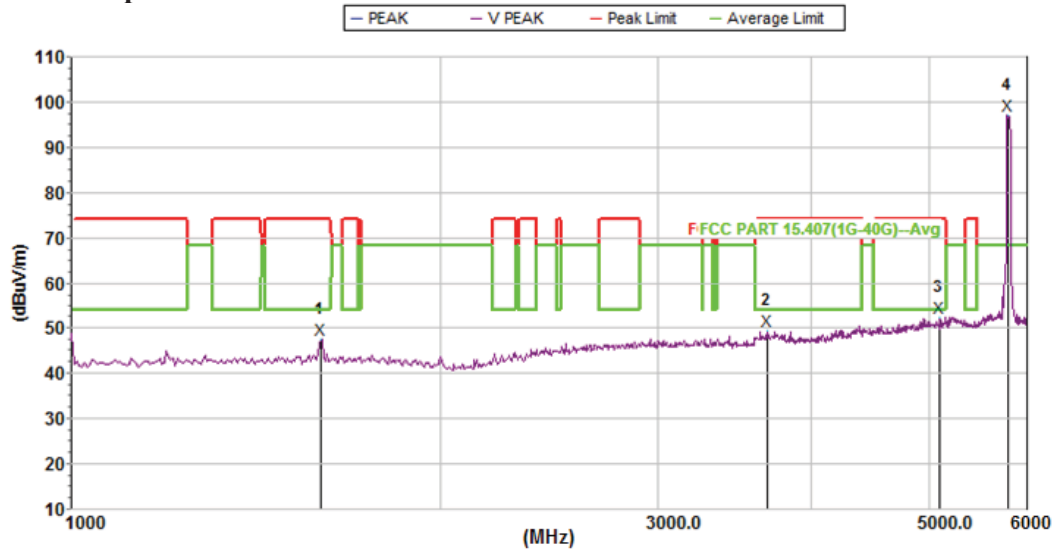


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Spurious Emission 802.11n HT40 Ch 159 5795MHz 1-6GHz Horizontal



Spurious Emission 802.11n HT40 Ch 159 5795MHz 1-6GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	4685.000	53.2	74.0	20.8	31.1	41.8	6.1	10.0	H
2	4815.000	53.1	74.0	20.9	31.2	41.9	6.4	10.0	H
3	4975.000	54.1	74.0	19.9	31.5	41.9	6.4	10.0	H
4	5140.000	54.6	74.0	19.4	31.6	42.0	6.7	10.0	H
5	5255.000	54.7	68.2	13.5	31.8	42.0	6.9	10.0	H
6	5345.000	54.0	68.2	14.2	31.8	42.1	7.0	10.0	H
7 F	5795	99.2	-	-	32.4	42.2	7.4	10.0	H
Avg									
1	4975.000	44.08	54.0	9.9	31.5	41.9	6.4	10.0	H
2	5140.000	44.61	54.0	9.4	31.6	42.0	6.7	10.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	1595.000	47.7	74.0	26.3	25.7	40.3	3.5	10.0	V
2	3685.000	49.5	74.0	24.5	29.1	41.2	5.4	10.0	V
3	5095.000	52.4	74.0	21.6	31.6	42.0	6.6	10.0	V
4 F	5795.000	97.1	-	-	32.4	42.2	7.4	10.0	V

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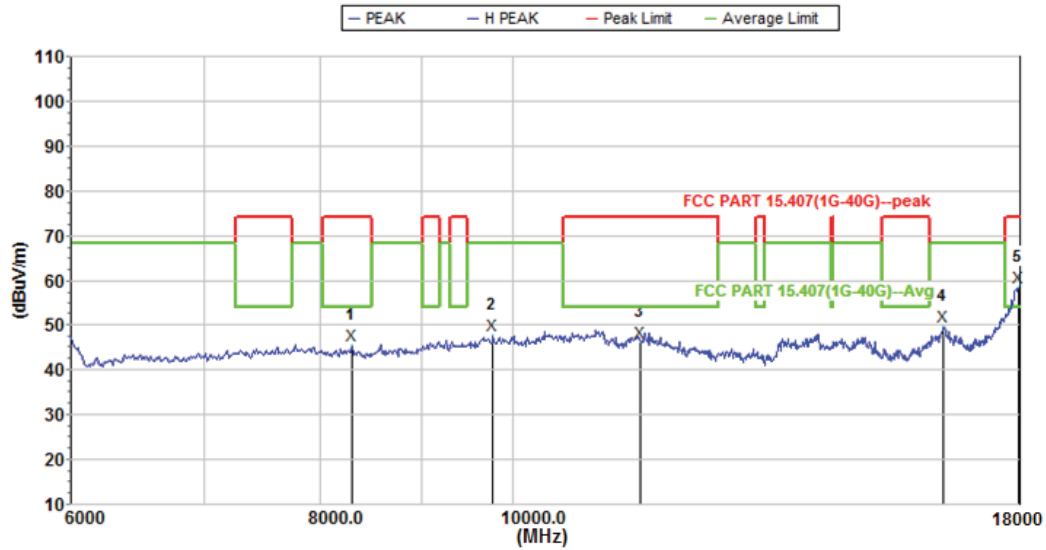
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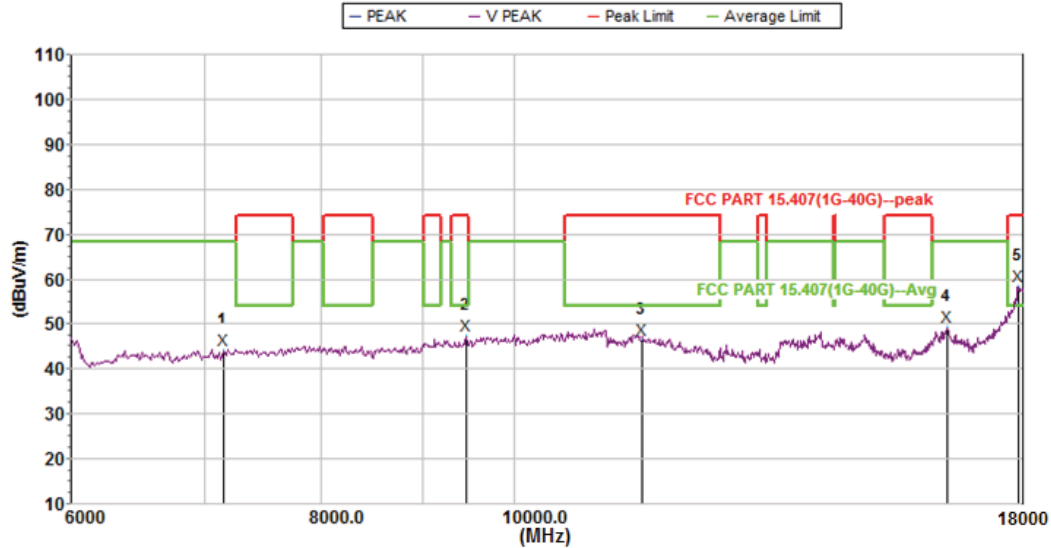


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Spurious Emission 802.11n HT40 Ch 159 5795MHz 6-18GHz Horizontal



Spurious Emission 802.11n HT40 Ch 159 5795MHz 6-18GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	8304.000	45.6	74.0	28.4	36.9	42.2	7.4	0.1	H
2	9780.000	48.0	68.2	20.2	38.6	41.8	8.4	0.5	H
3	11590.000	46.4	74.0	27.6	39.9	41.9	10.1	0.9	H
4	16476.000	49.8	68.2	18.4	38.9	40.7	11.6	6.5	H
5	17964.000	58.6	74.0	15.4	48.6	41.3	12.7	8.1	H
Avg									
1	17964.000	50.09	54.0	3.9	48.6	41.3	12.7	8.1	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	7152.000	44.3	68.2	23.9	35.8	42.2	7.1	0.1	V
2	9468.000	47.4	74.0	26.6	38.4	41.8	8.2	0.4	V
3	11590.000	46.5	74.0	27.5	39.9	41.9	10.1	0.9	V
4	16500.000	49.5	68.2	18.7	39.0	40.7	11.7	6.6	V
5	17904.000	58.4	74.0	15.6	47.8	41.2	13.7	7.9	V
Avg									
1	17904.000	50.20	54.0	3.8	47.8	41.2	13.7	7.9	V

EMC Lab.

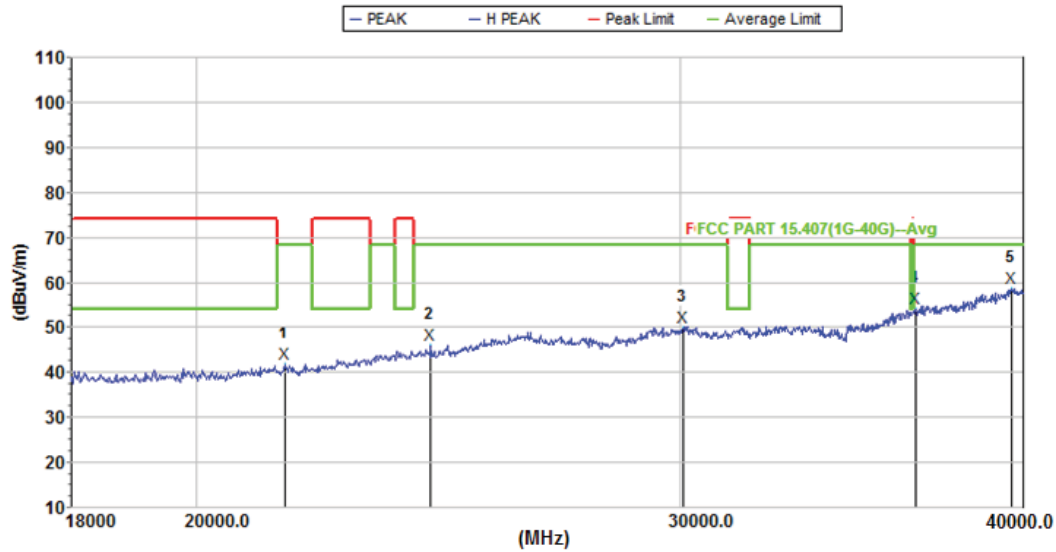
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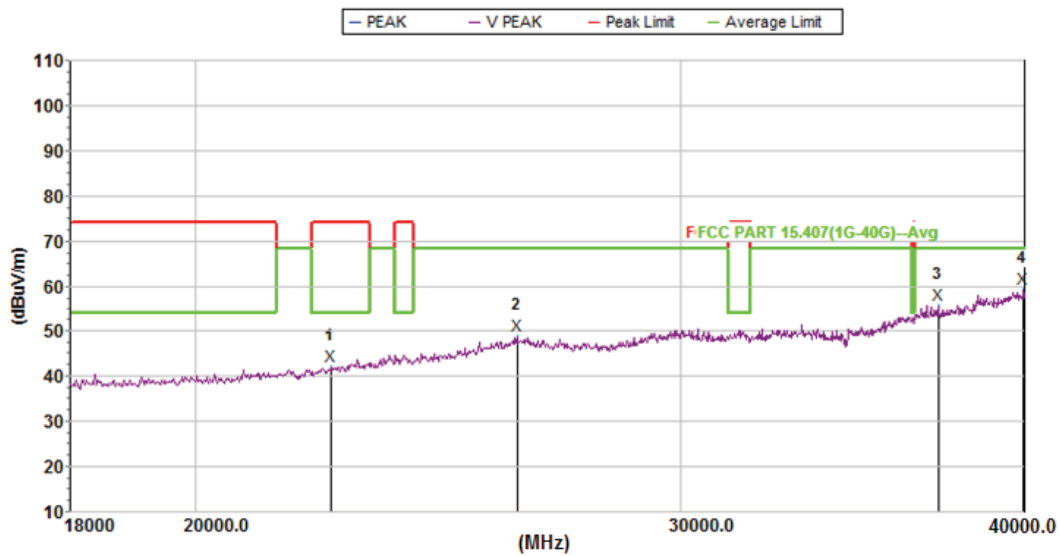


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Spurious Emission Worst case 18-40GHz Horizontal



Spurious Emission Worst case 18-40GHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	21520.000	41.9	68.2	26.3	37.8	44.3	17.2	0.0	H
2	24336.000	46.3	68.2	21.9	38.8	44.1	18.4	0.0	H
3	30056.000	50.1	68.2	18.1	40.1	44.2	20.7	0.0	H
4	36568.000	54.2	68.2	14.0	42.8	48.3	23.5	0.0	H
5	39604.000	58.8	74.0	15.2	44.7	47.6	25.3	0.0	H
Avg									
1	39604.000	50.6	54.0	3.4	44.7	47.6	25.3	0.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	22400.000	42.4	74.0	31.6	38.1	44.4	17.5	0.0	V
2	26162.000	49.1	68.2	19.1	39.1	43.9	19.4	0.0	V
3	37206.000	56.0	68.2	12.2	42.8	47.8	23.9	0.0	V
4	39956.000	59.4	74.0	14.6	44.5	47.4	25.0	0.0	V
Avg									
1	39956.000	51.4	54.0	2.6	44.5	47.4	25.0	0.0	V

EMC Lab.

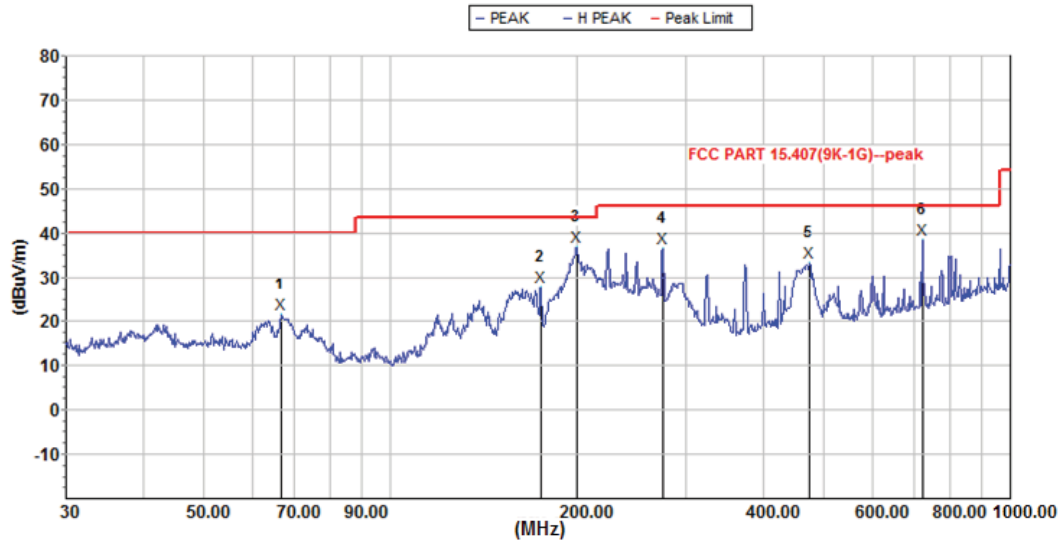
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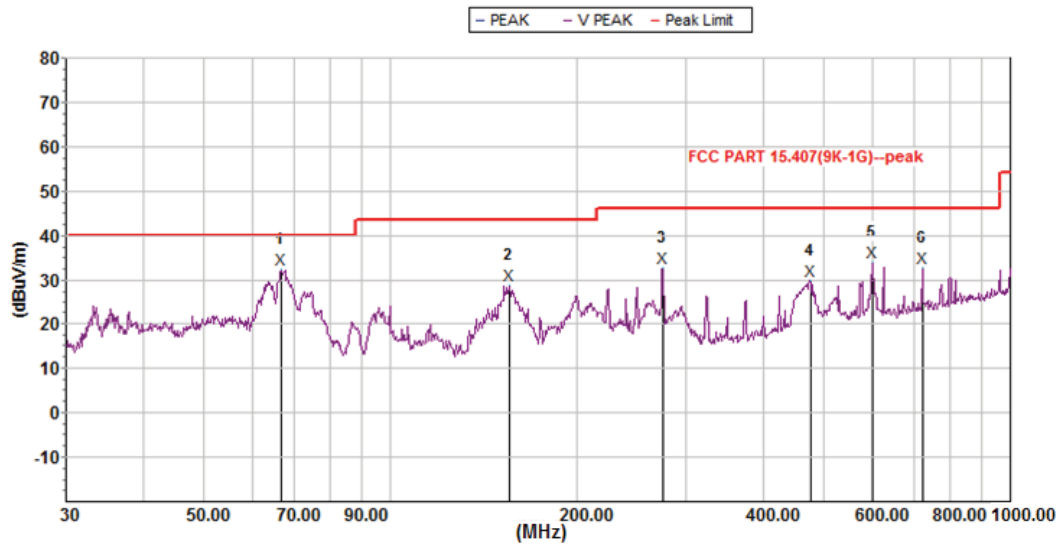


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Spurious Emission Worst case 30-1000MHz Horizontal



Spurious Emission Worst case 30-1000MHz Vertical



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	66.733	21.7	40.0	18.3	17.3	35.2	0.7	0.0	H
2	175.037	27.9	43.5	15.6	17.9	35.2	1.1	0.0	H
3	199.986	37.1	43.5	6.4	15.9	35.1	1.2	0.0	H
4	275.157	36.6	46.0	9.4	18.4	35.0	1.4	0.0	H
5	473.835	33.4	46.0	12.6	22.7	34.8	1.8	0.0	H
6	721.726	38.5	46.0	7.5	26.6	34.4	2.3	0.0	H

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	66.733	32.5	40.0	7.5	17.3	35.2	0.7	0.0	V
2	155.910	28.9	43.5	14.6	19.0	35.2	1.0	0.0	V
3	275.157	32.9	46.0	13.1	18.4	35.0	1.4	0.0	V
4	475.499	30.0	46.0	16.0	22.8	34.8	1.8	0.0	V
5	599.321	34.1	46.0	11.9	25.1	34.6	2.0	0.0	V
6	721.726	32.6	46.0	13.4	26.6	34.4	2.3	0.0	V

EMC Lab.

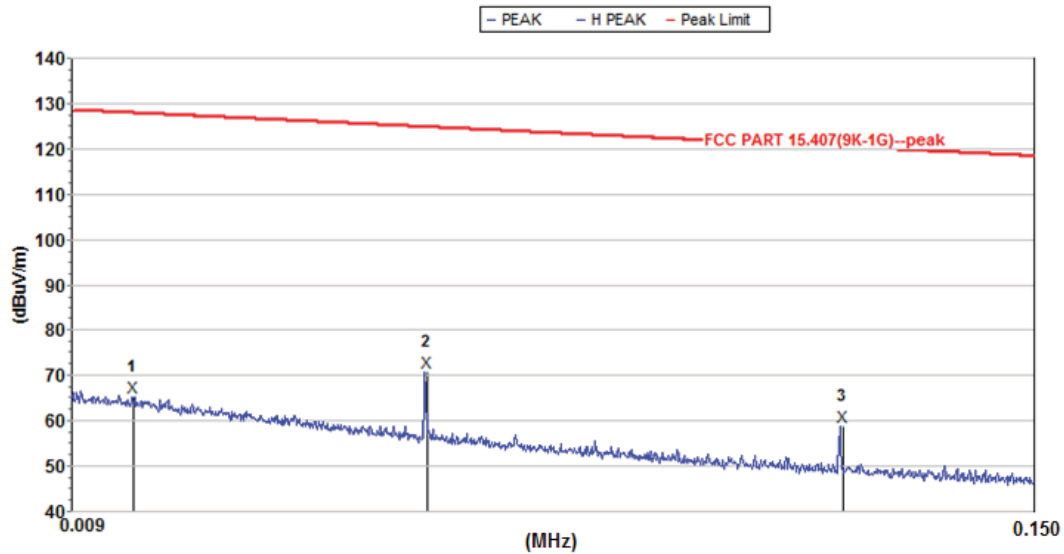
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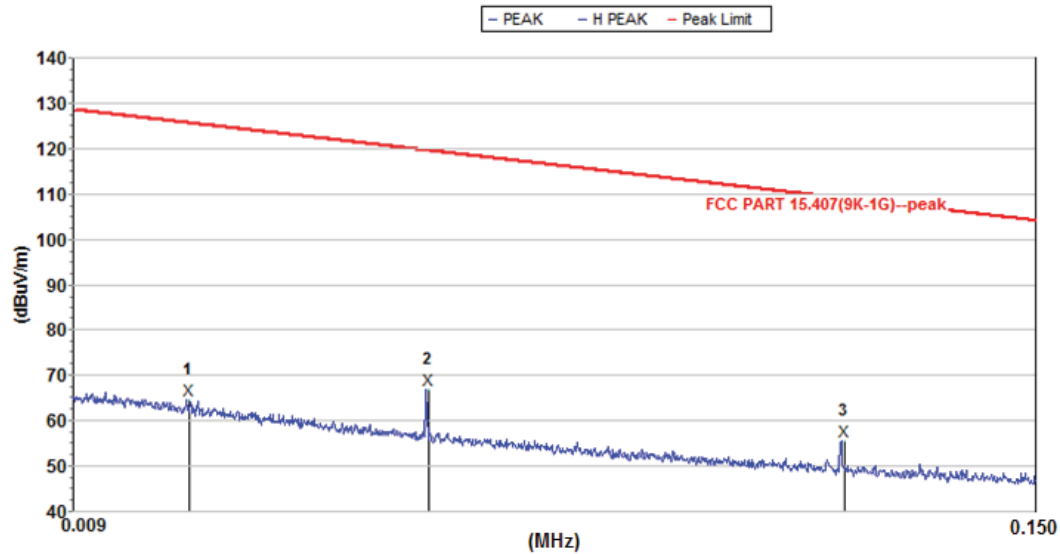


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Spurious Emission Worst case 9-150kHz 0°



Spurious Emission Worst case 9-150kHz 90°



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	0.018	65.3	127.9	62.6	15.4	0.0	0.1	0.0	0°
2	0.061	70.7	124.8	54.1	11.9	0.0	0.1	0.0	0°
3	0.122	58.9	120.4	61.5	11.6	0.0	0.1	0.0	0°

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	0.026	64.6	125.6	61.0	14.0	0.0	0.1	0.0	90°
2	0.061	66.9	119.6	52.7	11.9	0.0	0.1	0.0	90°
3	0.122	55.5	108.9	53.4	11.6	0.0	0.1	0.0	90°

EMC Lab.

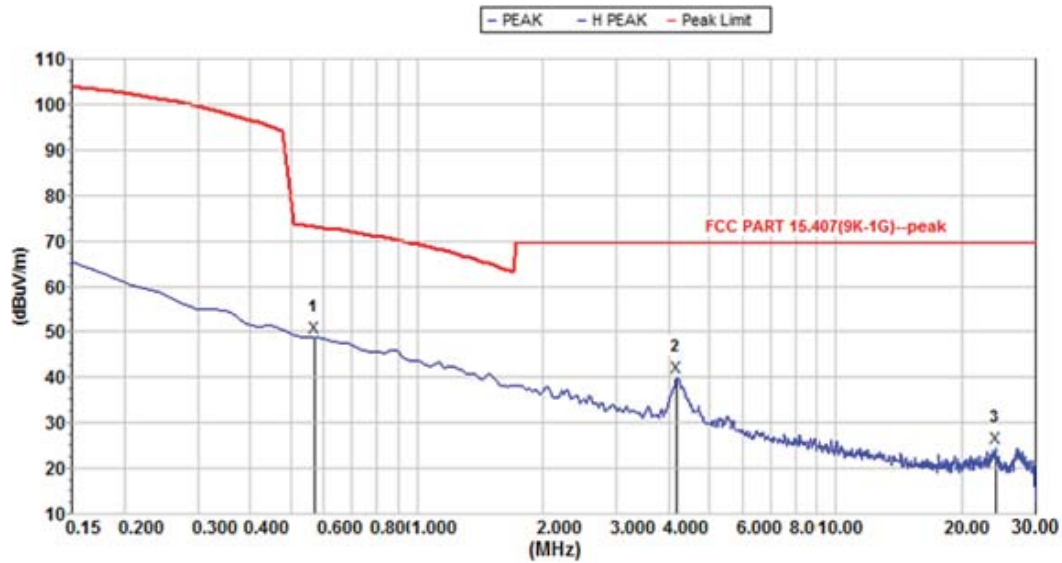
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Facsimile (FAX) :+886-2-7737-3610

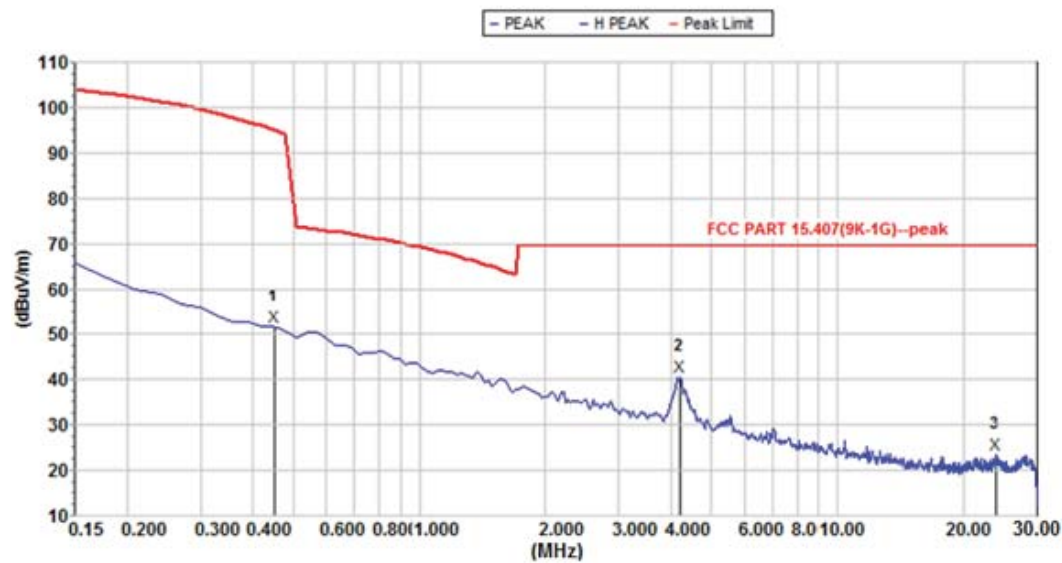


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Spurious Emission Worst case 150kHz-30MHz 0°



Spurious Emission Worst case 150kHz-30MHz 90°



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Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	0.568	48.9	73.1	24.2	11.5	0.0	0.2	0.0	0°
2	4.180	40.0	69.5	29.5	11.7	0.0	0.3	0.0	0°
3	24.090	24.6	69.5	44.9	9.0	0.0	0.4	0.0	0°

Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Aux.F.(dB)	Pol.
Peak:									
1	0.449	51.7	95.0	43.3	11.5	0.0	0.2	0.0	90°
2	4.210	40.7	69.5	28.8	11.7	0.0	0.3	0.0	90°
3	23.970	23.5	69.5	46.0	9.1	0.0	0.4	0.0	90°

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7.8. AC Power Line Conducted Emission

Requirements

Frequency of Emission(MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Test Procedures

EUT was placed on on the table of nominal size, raised 0.8 m above the conducting ground plane. The rear of tabletop was located 40 cm to the vertical conducting plane. The rear of EUT, including peripherals aligned and flushed with rear of tabletop. All other surfaces of tabletop were at least 80 cm from any other grounded conducting surface. EUT was located 80 cm from a Line Impedance Stabilization Network (LISN) / Artificial mains Network (AMN) and excess AC cable was bundled in center.

EMC Lab.

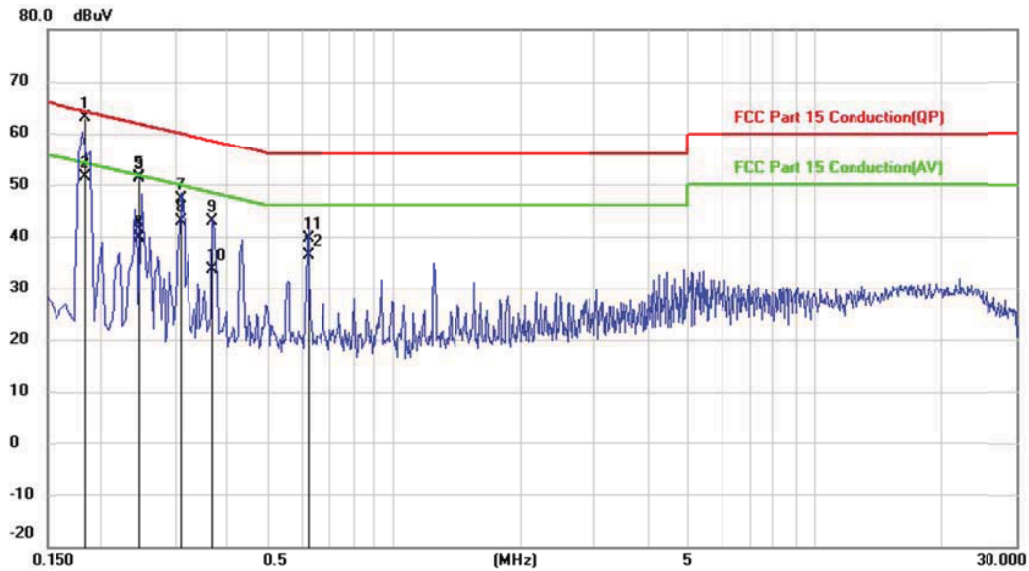
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Line



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1850	43.54	19.52	63.06	64.26	-1.20	QP
2	0.1850	31.78	19.52	51.30	54.26	-2.96	AVG
3	0.2465	31.70	19.53	51.23	61.87	-10.64	QP
4	0.2465	20.20	19.53	39.73	51.87	-12.14	AVG
5	0.2467	31.74	19.53	51.27	61.87	-10.60	QP
6	0.2467	20.23	19.53	39.76	51.87	-12.11	AVG
7	0.3107	27.47	19.55	47.02	59.95	-12.93	QP
8	0.3107	23.44	19.55	42.99	49.95	-6.96	AVG
9	0.3701	23.26	19.57	42.83	58.50	-15.67	QP
10	0.3701	13.99	19.57	33.56	48.50	-14.94	AVG
11	0.6209	20.05	19.55	39.60	56.00	-16.40	QP
12	0.6209	16.73	19.55	36.28	46.00	-9.72	AVG

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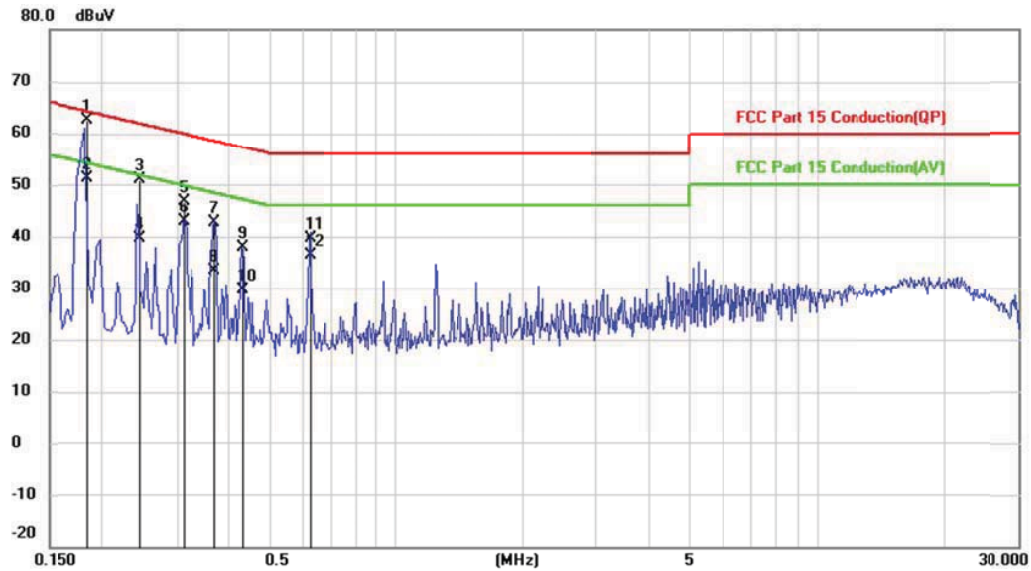
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Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1845	43.23	19.51	62.74	64.28	-1.54	QP
2	0.1845	31.52	19.51	51.03	54.28	-3.25	AVG
3	0.2461	31.44	19.52	50.96	61.89	-10.93	QP
4	0.2461	19.99	19.52	39.51	51.89	-12.38	AVG
5	0.3106	27.17	19.54	46.71	59.95	-13.24	QP
6	0.3106	23.38	19.54	42.92	49.95	-7.03	AVG
7	0.3688	23.02	19.55	42.57	58.53	-15.96	QP
8	0.3688	13.84	19.55	33.39	48.53	-15.14	AVG
9	0.4310	18.32	19.54	37.86	57.23	-19.37	QP
10	0.4310	10.01	19.54	29.55	47.23	-17.68	AVG
11	0.6218	20.08	19.54	39.62	56.00	-16.38	QP
12	0.6218	16.84	19.54	36.38	46.00	-9.62	AVG

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