9.4 POWER SPECTRAL DENSITY

The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

▣ Limit

Power Spectral Density

Band	Mode	Limit
UNII 1	802.11a,n,ac	17 dBm/MHz
UNII 2A	802.11a,n,ac	11 dBm/MHz
UNII 2C	802.11a,n,ac	11 dBm/MHz
UNII 3	802.11a,n,ac	30 dBm/500 kHz

Note : Note : According to KDB644545 D03 v01, emission for straddle channels in each band shall comply with the PSD limits applicable to that band under the appropriate rule section.

Power Spectral Density

Operating Mode	Band	Mode	Operating Ant.	Ant. Gain (dBi)	Limit
SISO	UNII 1	802.11a/n/ac	Ant 0	5.76	17 dBm/MHz
			Ant 1	7.56	15.44 dBm/MHz
	UNII 2A		Ant 0	5.98	11 dBm/MHz
			Ant 1	6.84	10.16 dBm/MHz
	UNII 2C		Ant 0	6.66	10.34 dBm/MHz
			Ant 1	8.5	8.50 dBm/MHz
	UNII 3		Ant 0	6.02	29.98 dBm/500 kHz
			Ant 1	6.46	29.54 dBm/500 kHz
MIMO	UNII 1	802.11a/n/ac	Ant 0 & 1	9.72	13.24 dBm/MHz
	UNII 2A			9.43	7.57 dBm/MHz
	UNII 2C			10.64	6.36 dBm/MHz
	UNII 3			9.25	26.75 dBm/500 kHz

Note : 1. If all antenna gains are not equal,

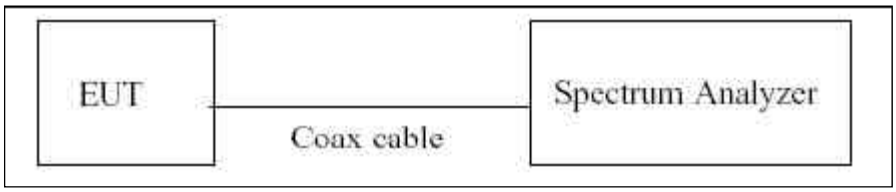
Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20}+\ldots+10^{GN/20})^2/N]$ dBi (802.11a/n/ac)

(according to KDB662911 D01 v02r01)

2. Limit is calculated by antenna gain.

3. The limits of maximum conducted power were applied the antenna gain. Therefore, if conducted power is pass, e.i.r.p. is also pass. So, we attached only conducted power table.

▣ TEST CONFIGURATION



▣ TEST PROCEDURE

We tested according to Method in KDB 789033 D02 v01r03.

The spectrum analyzer is set to :

1. Set span to encompass the entire emission bandwidth(EBW) of the signal.
2. RBW = 1 MHz(510 kHz for UNII 3)
3. VBW ≥ 3 MHz
4. Number of points in sweep ≥ 2*span/RBW.
5. Sweep time = auto.
6. Detector = RMS(i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run”.
8. Trace average at least 100 traces in power averaging(RMS) mode
9. Use the peak search function on the spectrum analyzer to find the peak of the spectrum.
10. If Method SA-2 was used, add 10 log(1/x), where x is the duty cycle, to the peak of the spectrum.

▣ Sample Calculation

ANT.0

PSD = Reading Value + ATT loss + Cable loss(1 ea) + Duty Cycle Factor

Ex) PSD = 10 dBm + 20 dB + 1.17 dB + 0.2 dB = 31.0 dBm

ANT.1

PSD = Reading Value + ATT loss + Cable loss(2 ea) + Duty Cycle Factor

Ex) PSD = 10 dBm + 20 dB + 2.05 dB + 0.2 dB = 31.7 dBm

Note :

1. Spectrum reading values are not plot data. The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset = Attenuator loss + Cable loss
3. We apply the offset of Ant.0 and Ant.1 respectively.
   The offset of the 5 GHz band on Ant.0 is 21.17dB.
   The offset of the 5 GHz band on Ant.1 is 22.05 dB.
   Actual value of loss for the attenuator and cable combination is below table.

ANT	Band	Loss(dB)
0	5 GHz	21.17
1		22.05

(Actual value of loss for the attenuator and cable combination)

4. MIMO output power results are calculated by each antenna output power on MIMO operating mode.

So, in case of MIMO output power, we attached only MIMO output power except each antenna power result.

Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11a (SISO)	3.726	0.155	3.881	17	Pass
5200	40		4.135	0.239	4.374		Pass
5240	48		3.805	1.018	4.823		Pass
5260	52		4.278	0.155	4.433	11	Pass
5300	60		3.017	0.155	3.172		Pass
5320	64		3.023	0.239	3.262		Pass
5500	100		1.204	0.550	1.754	10.34	Pass
5600	120		0.285	1.018	1.303		Pass
5720	144		2.424	0.239	2.663		Pass
5745	149		1.416	0.155	1.571	29.98	Pass
5785	157		1.463	0.239	1.702		Pass
5825	165		1.290	1.018	2.308		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11a (SISO)	1.620	0.557	2.177	15.44	Pass
5200	40		1.810	0.557	2.367		Pass
5240	48		1.809	0.557	2.366		Pass
5260	52		1.936	0.147	2.083	10.16	Pass
5300	60		2.336	0.240	2.576		Pass
5320	64		1.948	0.557	2.505		Pass
5500	100		1.674	0.843	2.517	8.5	Pass
5600	120		2.594	0.557	3.151		Pass
5720	144		1.712	0.147	1.859		Pass
5745	149		0.991	0.240	1.231	29.54	Pass
5785	157		0.266	1.004	1.270		Pass
5825	165		0.736	1.004	1.740		Pass

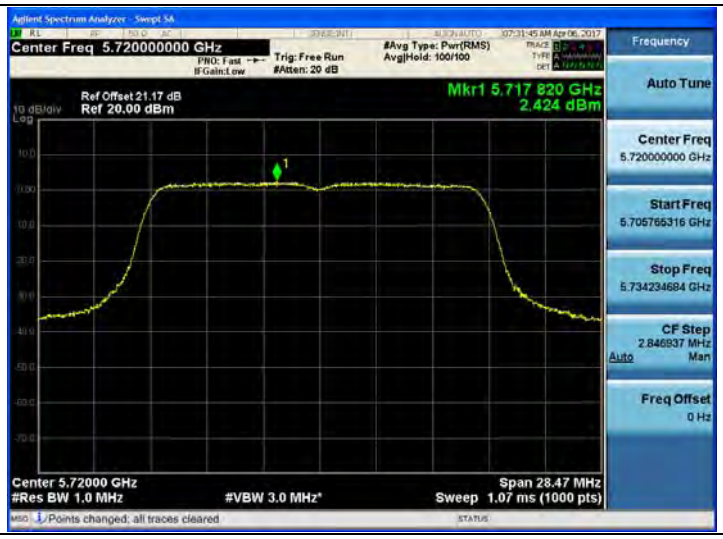
▣ **Sum Data of Ant.0 and Ant.1**

▣ **TEST RESULTS**

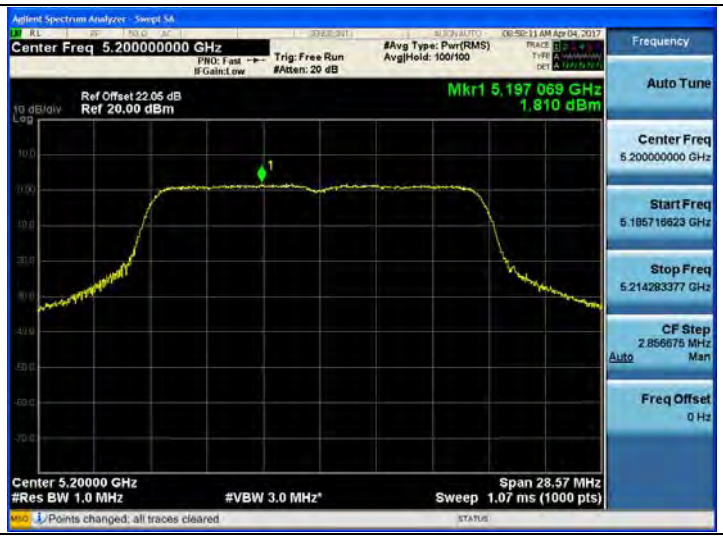
Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5180	36	802.11a (MIMO)	5.33	13.24	Pass
5200	40		5.40		Pass
5240	48		5.51		Pass
5260	52		5.09	7.57	Pass
5300	60		5.89		Pass
5320	64		5.90		Pass
5500	100		4.42	6.36	Pass
5600	120		3.89		Pass
5720	144		5.28		Pass
5745	149		4.41	26.75	Pass
5785	157		4.50		Pass
5825	165		5.04		Pass

▣ TEST Plot for 802.11a 20MHz BW_Ant.0

802.11a UNII 1 BAND PSD CH 48	802.11a UNII 2A BAND PSD CH 52
	
802.11a UNII 2C BAND PSD CH 144	**802.11a UNII 3 BAND PSD CH 165**
	

▣ TEST Plot for 802.11a 20MHz BW_Ant.1

802.11a UNII 1 BAND PSD CH 40	802.11a UNII 2A BAND PSD CH 60
	
802.11a UNII 2C BAND PSD CH 120	**802.11a UNII 3 BAND PSD CH 165**
	

Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11n_ HT20 (SISO)	4.311	0.162	4.473	17	Pass
5200	40		4.152	0.162	4.314		Pass
5240	48		4.400	0.162	4.562		Pass
5260	52		4.250	0.162	4.412	11	Pass
5300	60		4.646	0.138	4.784		Pass
5320	64		4.973	0.104	5.077		Pass
5500	100		1.098	0.078	1.176	10.34	Pass
5600	120		0.504	0.138	0.642		Pass
5720	144		2.127	0.162	2.289		Pass
5745	149		1.025	0.162	1.187	29.98	Pass
5785	157		1.218	0.138	1.356		Pass
5825	165		1.675	0.162	1.837		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11n_ HT20 (SISO)	1.813	0.104	1.917	15.44	Pass
5200	40		1.918	0.145	2.063		Pass
5240	48		1.943	0.145	2.088		Pass
5260	52		1.646	0.145	1.791	10.16	Pass
5300	60		2.246	0.104	2.350		Pass
5320	64		2.121	0.145	2.266		Pass
5500	100		3.339	0.145	3.484	8.5	Pass
5600	120		2.658	0.137	2.795		Pass
5720	144		1.534	0.145	1.679		Pass
5745	149		0.921	0.145	1.066	29.54	Pass
5785	157		0.723	0.145	0.868		Pass
5825	165		1.136	0.145	1.281		Pass

▣ **Sum Data of Ant.0 and Ant.1**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5180	36	802.11n_ HT20 (MIMO)	5.18	13.24	Pass
5200	40		5.13		Pass
5240	48		5.09		Pass
5260	52		4.87	7.57	Pass
5300	60		5.23		Pass
5320	64		5.30		Pass
5500	100		5.42	6.36	Pass
5600	120		4.80		Pass
5720	144		5.00		Pass
5745	149		4.14	26.75	Pass
5785	157		4.13		Pass
5825	165		4.57		Pass

▣ TEST Plot for 802.11n_HT20_Ant.0

802.11n_HT20 UNII 1 BAND PSD CH 48	802.11n_HT20 UNII 2A BAND PSD CH 64
	
802.11n_HT20 UNII 2C BAND PSD CH 144	**802.11n_HT20 UNII 3 BAND PSD CH 165**
	

▣ TEST Plot for 802.11n_HT20_Ant.1

802.11n_HT20 UNII 1 BAND PSD CH 48	802.11n_HT20 UNII 2A BAND PSD CH 60
	
802.11n_HT20 UNII 2C BAND PSD CH 100	**802.11n_HT20 UNII 3 BAND PSD CH 165**
	

Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11ac _VHT20 (SISO)	4.175	0.136	4.311	17	Pass
5200	40		3.972	0.117	4.089		Pass
5240	48		4.358	0.139	4.497		Pass
5260	52		4.160	0.136	4.296	11	Pass
5300	60		4.758	0.117	4.875		Pass
5320	64		4.858	0.084	4.942		Pass
5500	100		1.091	0.136	1.227	10.34	Pass
5600	120		0.510	0.139	0.649		Pass
5720	144		1.936	0.139	2.075		Pass
5745	149		0.939	0.139	1.078	29.98	Pass
5785	157		0.946	0.139	1.085		Pass
5825	165		1.496	0.117	1.613		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5180	36	802.11ac _VHT20 (SISO)	1.920	0.070	1.990	15.44	Pass
5200	40		1.946	0.086	2.032		Pass
5240	48		1.960	0.137	2.097		Pass
5260	52		1.655	0.137	1.792	10.16	Pass
5300	60		2.333	0.086	2.419		Pass
5320	64		2.309	0.137	2.446		Pass
5500	100		3.294	0.137	3.431	8.5	Pass
5600	120		2.572	0.137	2.709		Pass
5720	144		1.467	0.137	1.604		Pass
5745	149		0.896	0.086	0.982	29.54	Pass
5785	157		0.848	0.137	0.985		Pass
5825	165		1.169	0.137	1.306		Pass

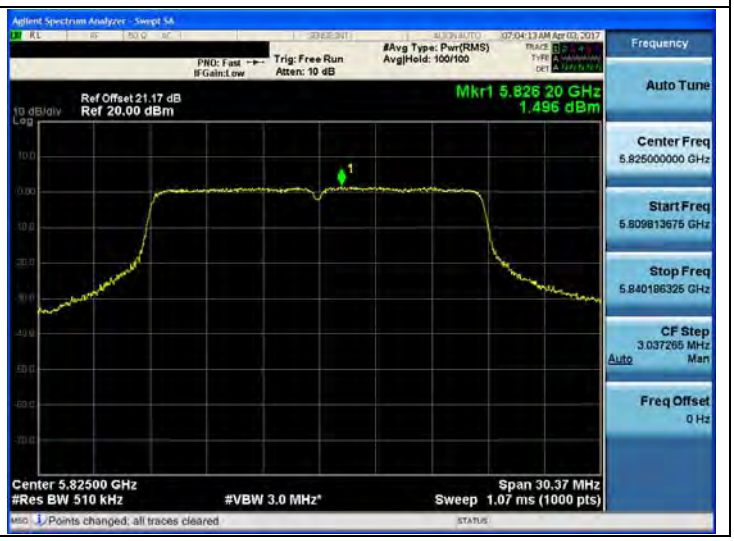
▣ **Sum Data of Ant.0 and Ant.1**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5180	36	802.11ac _VHT20 (MIMO)	5.18	13.24	Pass
5200	40		5.09		Pass
5240	48		5.12		Pass
5260	52		4.87	7.57	Pass
5300	60		5.24		Pass
5320	64		5.37		Pass
5500	100		5.41	6.36	Pass
5600	120		4.75		Pass
5720	144		4.85		Pass
5745	149		4.04	26.75	Pass
5785	157		4.05		Pass
5825	165		4.47		Pass

▣ TEST Plot for 802.11ac_VHT20_Ant.0

802.11ac_VHT20 UNII 1 BAND PSD CH 48	802.11ac_VHT20 UNII 2A BAND PSD CH 64
	
802.11ac_VHT20 UNII 2C BAND PSD CH 144	**802.11ac_VHT20 UNII 3 BAND PSD CH 165**
	

▣ TEST Plot for 802.11ac_VHT20_Ant.1

802.11ac_VHT20 UNII 1 BAND PSD CH 48	802.11ac_VHT20 UNII 2A BAND PSD CH 64
	
802.11ac_VHT20 UNII 2C BAND PSD CH 100	**802.11ac_VHT20 UNII 3 BAND PSD CH 165**
	

Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11n _HT40 (SISO)	-4.960	0.134	-4.826	17	Pass
5230	46		-4.793	0.134	-4.659		Pass
5270	54		-4.668	0.134	-4.534	11	Pass
5310	62		-4.106	0.134	-3.972		Pass
5510	102		-4.216	0.134	-4.082	10.34	Pass
5590	118		-4.870	0.288	-4.582		Pass
5710	142		-5.170	0.134	-5.036		Pass
5755	151		-8.062	0.134	-7.928	29.98	Pass
5795	159		-8.038	0.134	-7.904		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11n _HT40 (SISO)	-7.503	0.125	-7.378	15.44	Pass
5230	46		-7.347	0.125	-7.222		Pass
5270	54		-7.327	0.125	-7.202	10.16	Pass
5310	62		-6.883	0.125	-6.758		Pass
5510	102		-6.364	0.288	-6.076	8.5	Pass
5590	118		-6.154	0.125	-6.029		Pass
5710	142		-8.184	0.258	-7.926		Pass
5755	151		-8.319	0.125	-8.194	29.54	Pass
5795	159		-8.613	0.125	-8.488		Pass

▣ **Sum Data of Ant.0 and Ant.1**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5190	38	802.11n _HT40 (MIMO)	-4.21	13.24	Pass
5230	46		-4.19		Pass
5270	54		-3.99	7.57	Pass
5310	62		-3.71		Pass
5510	102		-3.51	6.36	Pass
5590	118		-3.49		Pass
5710	142		-4.81		Pass
5755	151		-5.05	26.75	Pass
5795	159		-5.18		Pass

▣ TEST Plot for 802.11n_HT40_Ant.0

802.11n_HT40 UNII 1 BAND PSD CH 46	802.11n_HT40 UNII 2A BAND PSD CH 62
	
802.11n_HT40 UNII 2C BAND PSD CH 102	**802.11n_HT40 UNII 3 BAND PSD CH 159**
	

▣ TEST Plot for 802.11n_HT40_Ant.1

802.11n_HT40 UNII 1 BAND PSD CH 46	802.11n_HT40 UNII 2A BAND PSD CH 62
	
802.11n_HT40 UNII 2C BAND PSD CH 118	**802.11n_HT40 UNII 3 BAND PSD CH 151**
	

Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-4.936	0.143	-4.793	17	Pass
5230	46		-5.030	0.143	-4.887		Pass
5270	54		-4.563	0.143	-4.420	11	Pass
5310	62		-4.016	0.143	-3.873		Pass
5510	102		-4.293	0.143	-4.150	10.34	Pass
5590	118		-4.539	0.143	-4.396		Pass
5710	142		-5.279	0.143	-5.136		Pass
5755	151		-8.331	0.143	-8.188	29.98	Pass
5795	159		-8.002	0.143	-7.859		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-7.494	0.143	-7.351	15.44	Pass
5230	46		-7.189	0.143	-7.046		Pass
5270	54		-7.307	0.143	-7.164	10.16	Pass
5310	62		-6.562	0.143	-6.419		Pass
5510	102		-5.948	0.143	-5.805	8.5	Pass
5590	118		-6.313	0.143	-6.170		Pass
5710	142		-7.771	0.143	-7.628		Pass
5755	151		-8.461	0.143	-8.318	29.54	Pass
5795	159		-8.497	0.143	-8.354		Pass

▣ **Sum Data of Ant.0 and Ant.1**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-4.29	13.24	Pass
5230	46		-4.18		Pass
5270	54		-3.97	7.57	Pass
5310	62		-3.52		Pass
5510	102		-3.37	6.36	Pass
5590	118		-3.72		Pass
5710	142		-4.78		Pass
5755	151		-5.24	26.75	Pass
5795	159		-5.09		Pass

▣ TEST Plot for 802.11ac_VHT40_Ant.0

802.11ac_VHT40 UNII 1 BAND PSD CH 38	802.11ac_VHT40 UNII 2A BAND PSD CH 62
	
802.11ac_VHT40 UNII 2C BAND PSD CH 102	**802.11ac_VHT40 UNII 3 BAND PSD CH 159**
	

▣ TEST Plot for 802.11ac_VHT40_Ant.1

802.11ac_VHT40 UNII 1 BAND PSD CH 46	802.11ac_VHT40 UNII 2A BAND PSD CH 62
	
802.11ac_VHT40 UNII 2C BAND PSD CH 102	**802.11ac_VHT40 UNII 3 BAND PSD CH 151**
	

Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-10.050	0.590	-9.460	17	Pass
5290	58		-8.950	0.275	-8.675	11	Pass
5530	106		-9.284	0.590	-8.694	10.34	Pass
5610	122		-9.647	0.275	-9.372		
5690	138		-9.969	0.275	-9.694		
5775	155		-12.894	0.400	-12.494	29.98	Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-12.109	0.608	-11.501	15.44	Pass
5290	58		-11.545	0.262	-11.283	10.16	Pass
5530	106		-10.967	0.608	-10.359	8.5	Pass
5610	122		-11.475	0.608	-10.867		
5690	138		-12.371	0.262	-12.109		
5775	155		-13.307	0.608	-12.699	29.54	Pass

▣ **Sum Data of Ant.0 and Ant.1**

▣ **TEST RESULTS**

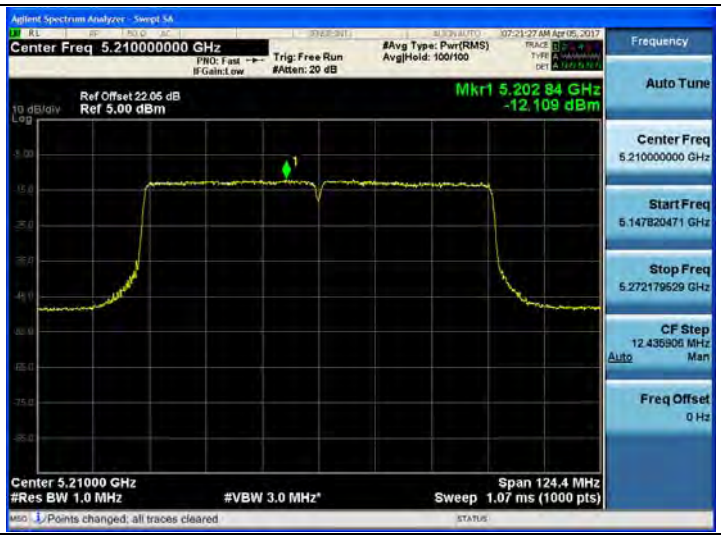
Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-8.57	13.24	Pass
5290	58		-8.48	7.57	Pass
5530	106		-7.83	6.36	Pass
5610	122		-8.29		Pass
5690	138		-9.08		Pass
5775	155		-9.59	26.75	Pass

▣ TEST Plot for 802.11ac_VHT80_Ant.0

802.11ac_VHT80 UNII 1 BAND PSD CH 42	802.11ac_VHT80 UNII 2A BAND PSD CH 58
	
802.11ac_VHT80 UNII 2C BAND PSD CH 106	**802.11ac_VHT80 UNII 3 BAND PSD CH 155**
	

▣ TEST Plot for 802.11ac_VHT80_Ant.1

802.11ac_VHT80 UNII 1 BAND PSD CH 42	802.11ac_VHT80 UNII 2A BAND PSD CH 58
	
802.11ac_VHT80 UNII 2C BAND PSD CH 106	**802.11ac_VHT80 UNII 3 BAND PSD CH 155**
	

▣Straddle channels TEST RESULTS for 802.11a/n_HT20/ac_VHT20_Ant 0

Conducted Power Density Measurements (UNII 2C Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	2.897	0.843	3.740	10.34	Pass
		802.11n	3.117	0.078	3.195	10.34	Pass
		802.11ac	3.031	0.139	3.170	10.34	Pass

Conducted Power Density Measurements (UNII 3 Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	-0.825	0.843	0.018	29.98	Pass
		802.11n	-0.172	0.078	-0.094	29.98	Pass
		802.11ac	-0.369	0.139	-0.230	29.98	Pass

▣Straddle channels TEST Plot for 802.11a/n_HT20/ac_VHT20_Ant 0

802.11a UNII 2C Band PSD CH.144	802.11a UNII 3 Band PSD CH.144
	
802.11n_HT20 UNII 2C Band PSD CH.144	**802.11n_HT20 UNII 3 Band PSD CH.144**
	

802.11ac_VHT20 UNII 2C Band PSD CH.144	802.11ac_VHT20 UNII 3 Band PSD CH.144
	

▣Straddle channels TEST RESULTS for 802.11a/n_HT20/ac_VHT20_Ant 1

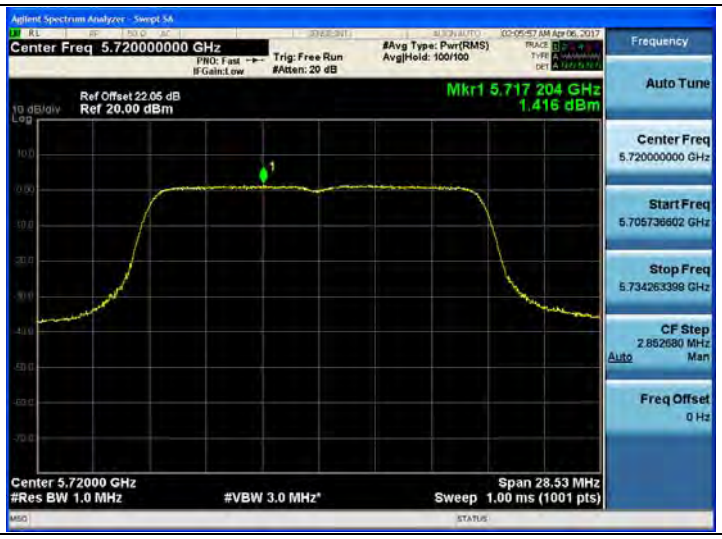
Conducted Power Density Measurements (UNII 2C Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	1.416	0.147	1.563	8.5	Pass
		802.11n	1.192	0.145	1.337	8.5	Pass
		802.11ac	1.250	0.137	1.387	8.5	Pass

Conducted Power Density Measurements (UNII 3 Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	-1.628	0.147	-1.481	29.54	Pass
		802.11n	-1.985	0.145	-1.840	29.54	Pass
		802.11ac	-2.037	0.137	-1.900	29.54	Pass

▣Straddle channels TEST Plot for 802.11a/n_HT20/ac_VHT20_Ant 1

802.11a UNII 2C Band PSD CH.144	802.11a UNII 3 Band PSD CH.144
	
802.11n_HT20 UNII 2C Band PSD CH.144	**802.11n_HT20 UNII 3 Band PSD CH.144**
	

802.11ac_VHT20 UNII 2C Band PSD CH.144	802.11ac_VHT20 UNII 3 Band PSD CH.144
	

▣Straddle channels

TEST RESULTS for 802.11a/n_HT20/ac_VHT20_Sum Data of Ant.0 and Ant.1 (UNII 2C)

Conducted Power Density Measurements (UNII 2C Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5720	144	802.11a	4.94	6.36	Pass
		802.11n	4.75	6.36	Pass
		802.11ac	4.74	6.36	Pass

TEST RESULTS for 802.11a/n_HT20/ac_VHT20_Sum Data of Ant.0 and Ant.1 (UNII 3)

Conducted Power Density Measurements (UNII 3 Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5720	144	802.11a	1.67	26.75	Pass
		802.11n	1.37	26.75	Pass
		802.11ac	1.34	26.75	Pass

▣Straddle channels TEST RESULTS for 802.11n_HT40/ac_VHT40_Ant 0

Conducted Power Density Measurements (UNII 2C Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-5.222	0.134	-5.088	10.34	Pass
		802.11ac	-5.186	0.143	-5.043	10.34	Pass

Conducted Power Density Measurements (UNII 3 Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-10.170	0.134	-10.036	29.98	Pass
		802.11ac	-10.059	0.143	-9.916	29.98	Pass

▣Straddle channels TEST Plot for 802.11n_HT40/ac_VHT40_Ant 0

802.11n_HT40 UNII 2C Band PSD CH.142	802.11n_HT40 UNII 3 Band PSD CH.142
	
802.11ac_VHT40 UNII 2C Band PSD CH.142	**802.11ac_VHT40 UNII 3 Band PSD CH.142**
	

▣Straddle channels TEST RESULTS for 802.11n_HT40/ac_VHT40_Ant 1

Conducted Power Density Measurements (UNII 2C Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-8.326	0.258	-8.068	8.50	Pass
		802.11ac	-7.975	0.143	-7.832	8.50	Pass

Conducted Power Density Measurements (UNII 3 Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-11.652	0.258	-11.394	29.54	Pass
		802.11ac	-12.568	0.143	-12.425	29.54	Pass

▣Straddle channels TEST Plot for 802.11n_HT40/ac_VHT40_Ant 1

802.11n_HT40 UNII 2C Band PSD CH.142	802.11n_HT40 UNII 3 Band PSD CH.142
	
802.11ac_VHT40 UNII 2C Band PSD CH.142	**802.11ac_VHT40 UNII 3 Band PSD CH.142**
	

▣Straddle channels

TEST RESULTS for 802.11n_HT40/ac_VHT40_Sum Data of Ant.0 and Ant.1 (UNII 2C)

Conducted Power Density Measurements (UNII 2C Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5710	142	802.11n	-4.89	6.36	Pass
		802.11ac	-4.79	6.36	Pass

TEST RESULTS for 802.11n_HT40/ac_VHT40_Sum Data of Ant.0 and Ant.1 (UNII 3)

Conducted Power Density Measurements (UNII 3 Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5710	142	802.11n	-9.01	26.75	Pass
		802.11ac	-9.47	26.75	Pass

▣Straddle channels TEST RESULTS_Ant 0

Conducted Power Density Measurements (UNII 2C Band 5690MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-9.948	0.275	-9.673	10.34	Pass

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-13.442	0.275	-13.167	29.98	Pass

▣Straddle channels TEST Plot for 802.11ac_VHT80_Ant 0

802.11ac_VHT80 UNII 2C Band PSD CH.138	802.11ac_VHT80 UNII 3 Band PSD CH.138
	

▣Straddle channels TEST RESULTS_Ant 1

Conducted Power Density Measurements (UNII 2C Band 5690MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-12.414	0.262	-12.152	8.50	Pass

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-15.708	0.262	-15.446	29.54	Pass

▣Straddle channels TEST Plot for 802.11ac_VHT80_Ant 1

802.11ac_VHT80 UNII 2C Band PSD CH.138	802.11ac_VHT80 UNII 3 Band PSD CH.138
	

▣Straddle channels

TEST RESULTS for 802.11ac_VHT80_Sum Data of Ant.0 and Ant.1 (UNII 2C)

Conducted Power Density Measurements (UNII 2C Band 5690MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-9.02	6.36	Pass

TEST RESULTS for 802.11ac_VHT80_Sum Data of Ant.0 and Ant.1 (UNII 3)

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-12.68	26.75	Pass

9.5 FREQUENCY STABILITY

The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between -30 ℃ and 50 ℃. The temperature was incremented by 10 ℃ intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

[Ant.0]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5179908.20	-91.80
100%		-30	5179886.80	-113.20
100%		-20	5179892.70	-107.30
100%		-10	5179896.50	-103.50
100%		0	5179901.20	-98.80
100%		+10	5179906.00	-94.00
100%		+30	5179912.40	-87.60
100%		+40	5179916.80	-83.20
100%		+50	5179928.70	-71.30
115%	55.20	+20	5179912.60	-87.40
Batt. Endpoint	40.80	+20	5179916.90	-83.10

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,260,000,000 Hz

CHANNEL: 52

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5259895.00	-105.00
100%		-30	5259872.10	-127.90
100%		-20	5259876.50	-123.50
100%		-10	5259881.40	-118.60
100%		0	5259885.60	-114.40
100%		+10	5259890.20	-109.80
100%		+30	5259899.00	-101.00
100%		+40	5259904.20	-95.80
100%		+50	5259908.70	-91.30
115%	55.20	+20	5259886.20	-113.80
Batt. Endpoint	40.80	+20	5259889.80	-110.20

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,500,000,000 Hz

CHANNEL: 100

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5499890.60	-109.40
100%		-30	5499872.80	-127.20
100%		-20	5499876.20	-123.80
100%		-10	5499882.00	-118.00
100%		0	5499886.90	-113.10
100%		+10	5499890.50	-109.50
100%		+30	5499892.80	-107.20
100%		+40	5499896.20	-103.80
100%		+50	5499901.20	-98.80
115%	55.20	+20	5499894.40	-105.60
Batt. Endpoint	40.80	+20	5499899.30	-100.70

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5744885.00	-115.00
100%		-30	5744867.50	-132.50
100%		-20	5744872.70	-127.30
100%		-10	5744876.00	-124.00
100%		0	5744880.90	-119.10
100%		+10	5744884.40	-115.60
100%		+30	5744888.80	-111.20
100%		+40	5744891.30	-108.70
100%		+50	5744894.80	-105.20
115%	55.20	+20	5744889.40	-110.60
Batt. Endpoint	40.80	+20	5744894.80	-105.20

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5189900.00	-100.00
100%		-30	5189880.80	-119.20
100%		-20	5189885.50	-114.50
100%		-10	5189890.80	-109.20
100%		0	5189894.40	-105.60
100%		+10	5189899.20	-100.80
100%		+30	5189903.40	-96.60
100%		+40	5189907.40	-92.60
100%		+50	5189911.70	-88.30
115%	55.20	+20	5189904.60	-95.40
Batt. Endpoint	40.80	+20	5189908.30	-91.70

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,270,000,000 Hz

CHANNEL: 54

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5269894.40	-105.60
100%		-30	5269874.80	-125.20
100%		-20	5269881.30	-118.70
100%		-10	5269885.70	-114.30
100%		0	5269892.70	-107.30
100%		+10	5269895.90	-104.10
100%		+30	5269899.10	-100.90
100%		+40	5269903.00	-97.00
100%		+50	5269904.80	-95.20
115%	55.20	+20	5269900.20	-99.80
Batt. Endpoint	40.80	+20	5269905.30	-94.70

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5509890.50	-109.50
100%		-30	5509868.40	-131.60
100%		-20	5509872.10	-127.90
100%		-10	5509877.60	-122.40
100%		0	5509882.50	-117.50
100%		+10	5509886.20	-113.80
100%		+30	5509894.50	-105.50
100%		+40	5509898.90	-101.10
100%		+50	5509901.70	-98.30
115%	55.20	+20	5509893.90	-106.10
Batt. Endpoint	40.80	+20	5509897.30	-102.70

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5754885.50	-114.50
100%		-30	5754867.90	-132.10
100%		-20	5754870.30	-129.70
100%		-10	5754874.90	-125.10
100%		0	5754878.60	-121.40
100%		+10	5754881.70	-118.30
100%		+30	5754889.40	-110.60
100%		+40	5754893.10	-106.90
100%		+50	5754898.20	-101.80
115%	55.20	+20	5754891.00	-109.00
Batt. Endpoint	40.80	+20	5754894.70	-105.30

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5209895.40	-104.60
100%		-30	5209874.80	-125.20
100%		-20	5209878.30	-121.70
100%		-10	5209882.70	-117.30
100%		0	5209886.20	-113.80
100%		+10	5209891.50	-108.50
100%		+30	5209899.70	-100.30
100%		+40	5209904.60	-95.40
100%		+50	5209907.70	-92.30
115%	55.20	+20	5209900.40	-99.60
Batt. Endpoint	40.80	+20	5209904.90	-95.10

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,290,000,000 Hz

CHANNEL: 58

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5289894.20	-105.80
100%		-30	5289875.60	-124.40
100%		-20	5289879.30	-120.70
100%		-10	5289883.80	-116.20
100%		0	5289886.60	-113.40
100%		+10	5289890.10	-109.90
100%		+30	5289898.40	-101.60
100%		+40	5289903.10	-96.90
100%		+50	5289907.80	-92.20
115%	55.20	+20	5289899.80	-100.20
Batt. Endpoint	40.80	+20	5289903.00	-97.00

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5529888.20	-111.80
100%		-30	5529869.90	-130.10
100%		-20	5529873.70	-126.30
100%		-10	5529878.00	-122.00
100%		0	5529880.10	-119.90
100%		+10	5529884.60	-115.40
100%		+30	5529892.50	-107.50
100%		+40	5529897.70	-102.30
100%		+50	5529901.40	-98.60
115%	55.20	+20	5529891.70	-108.30
Batt. Endpoint	40.80	+20	5529897.10	-102.90

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5774883.50	-116.50
100%		-30	5774862.80	-137.20
100%		-20	5774867.00	-133.00
100%		-10	5774870.50	-129.50
100%		0	5774874.40	-125.60
100%		+10	5774878.70	-121.30
100%		+30	5774888.30	-111.70
100%		+40	5774893.10	-106.90
100%		+50	5774898.30	-101.70
115%	55.20	+20	5774887.90	-112.10
Batt. Endpoint	40.80	+20	5774891.00	-109.00

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

[Ant.1]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5179912.20	-87.80
100%		-30	5180000.00	-114.60
100%		-20	5180000.00	-109.10
100%		-10	5180000.00	-101.80
100%		0	5180000.00	-96.70
100%		+10	5180000.00	-92.10
100%		+30	5180000.00	-79.80
100%		+40	5180000.00	-73.70
100%		+50	5180000.00	-67.40
115%	55.20	+20	5180000.00	-92.90
Batt. Endpoint	40.80	+20	5180000.00	-93.80

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,260,000,000 Hz

CHANNEL: 52

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5259906.20	-93.80
100%		-30	5260000.00	-119.90
100%		-20	5260000.00	-114.60
100%		-10	5260000.00	-110.50
100%		0	5260000.00	-104.10
100%		+10	5260000.00	-99.20
100%		+30	5260000.00	-86.60
100%		+40	5260000.00	-81.50
100%		+50	5260000.00	-76.40
115%	55.20	+20	5260000.00	-100.20
Batt. Endpoint	40.80	+20	5260000.00	-103.30

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,500,000,000 Hz

CHANNEL: 100

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5499898.50	-101.50
100%		-30	5500000.00	-131.00
100%		-20	5500000.00	-124.70
100%		-10	5500000.00	-120.00
100%		0	5500000.00	-115.30
100%		+10	5500000.00	-107.70
100%		+30	5500000.00	-97.10
100%		+40	5500000.00	-89.50
100%		+50	5500000.00	-82.00
115%	55.20	+20	5500000.00	-106.20
Batt. Endpoint	40.80	+20	5500000.00	-115.60

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5744896.80	-103.20
100%		-30	5745000.00	-132.80
100%		-20	5745000.00	-127.80
100%		-10	5745000.00	-122.40
100%		0	5745000.00	-115.80
100%		+10	5745000.00	-108.60
100%		+30	5745000.00	-96.20
100%		+40	5745000.00	-90.90
100%		+50	5745000.00	-83.70
115%	55.20	+20	5745000.00	-109.80
Batt. Endpoint	40.80	+20	5745000.00	-115.40

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5189912.10	-87.90
100%		-30	5190000.00	-116.00
100%		-20	5190000.00	-108.70
100%		-10	5190000.00	-102.40
100%		0	5190000.00	-97.60
100%		+10	5190000.00	-92.80
100%		+30	5190000.00	-80.70
100%		+40	5190000.00	-73.40
100%		+50	5190000.00	-69.10
115%	55.20	+20	5190000.00	-92.70
Batt. Endpoint	40.80	+20	5190000.00	-95.20

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,270,000,000 Hz

CHANNEL: 54

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5269908.30	-91.70
100%		-30	5270000.00	-123.50
100%		-20	5270000.00	-116.70
100%		-10	5270000.00	-109.70
100%		0	5270000.00	-101.80
100%		+10	5270000.00	-95.90
100%		+30	5270000.00	-83.90
100%		+40	5270000.00	-77.40
100%		+50	5270000.00	-70.00
115%	55.20	+20	5270000.00	-99.60
Batt. Endpoint	40.80	+20	5270000.00	-101.90

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5509901.20	-98.80
100%		-30	5510000.00	-133.10
100%		-20	5510000.00	-125.50
100%		-10	5510000.00	-117.90
100%		0	5510000.00	-113.00
100%		+10	5510000.00	-106.60
100%		+30	5510000.00	-92.60
100%		+40	5510000.00	-85.60
100%		+50	5510000.00	-79.30
115%	55.20	+20	5510000.00	-103.70
Batt. Endpoint	40.80	+20	5510000.00	-111.70

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5754892.30	-107.70
100%		-30	5755000.00	-139.40
100%		-20	5755000.00	-132.70
100%		-10	5755000.00	-128.00
100%		0	5755000.00	-122.20
100%		+10	5755000.00	-115.10
100%		+30	5755000.00	-100.00
100%		+40	5755000.00	-93.90
100%		+50	5755000.00	-86.90
115%	55.20	+20	5755000.00	-113.50
Batt. Endpoint	40.80	+20	5755000.00	-120.30

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5209916.70	-83.30
100%		-30	5210000.00	-113.80
100%		-20	5210000.00	-107.30
100%		-10	5210000.00	-103.00
100%		0	5210000.00	-98.70
100%		+10	5210000.00	-91.10
100%		+30	5210000.00	-78.30
100%		+40	5210000.00	-74.00
100%		+50	5210000.00	-68.30
115%	55.20	+20	5210000.00	-87.60
Batt. Endpoint	40.80	+20	5210000.00	-98.00

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,290,000,000 Hz

CHANNEL: 58

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5289904.90	-95.10
100%		-30	5290000.00	-126.60
100%		-20	5290000.00	-120.30
100%		-10	5290000.00	-115.50
100%		0	5290000.00	-110.40
100%		+10	5290000.00	-103.00
100%		+30	5290000.00	-88.10
100%		+40	5290000.00	-83.30
100%		+50	5290000.00	-76.50
115%	55.20	+20	5290000.00	-100.20
Batt. Endpoint	40.80	+20	5290000.00	-108.50

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5529895.40	-104.60
100%		-30	5530000.00	-135.10
100%		-20	5530000.00	-129.70
100%		-10	5530000.00	-123.30
100%		0	5530000.00	-117.30
100%		+10	5530000.00	-111.40
100%		+30	5530000.00	-97.70
100%		+40	5530000.00	-90.10
100%		+50	5530000.00	-83.30
115%	55.20	+20	5530000.00	-110.60
Batt. Endpoint	40.80	+20	5530000.00	-116.40

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5774888.90	-111.10
100%		-30	5774864.50	-135.50
100%		-20	5774869.10	-130.90
100%		-10	5774876.00	-124.00
100%		0	5774880.20	-119.80
100%		+10	5774884.80	-115.20
100%		+30	5774894.50	-105.50
100%		+40	5774901.40	-98.60
100%		+50	5774906.30	-93.70
115%	55.20	+20	5774884.70	-115.30
Batt. Endpoint	40.80	+20	5774881.60	-118.40

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

9.6 RADIATED MEASUREMENT

9.6.1 RADIATED SPURIOUS EMISSIONS.

Test Requirements and limit, §15.205, §15.209, §15.407

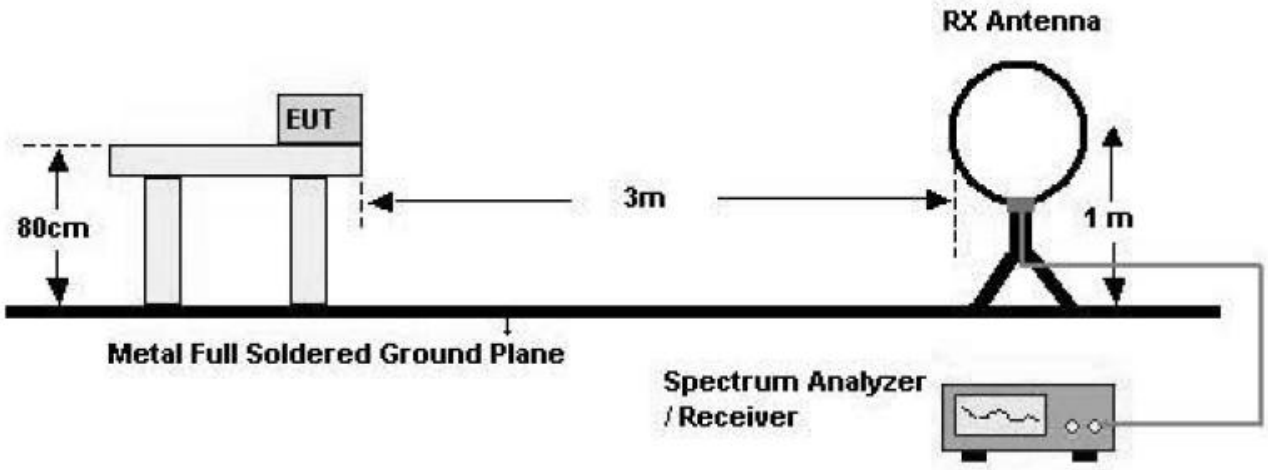
Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

▣ §15.407, KDB 789033 D02

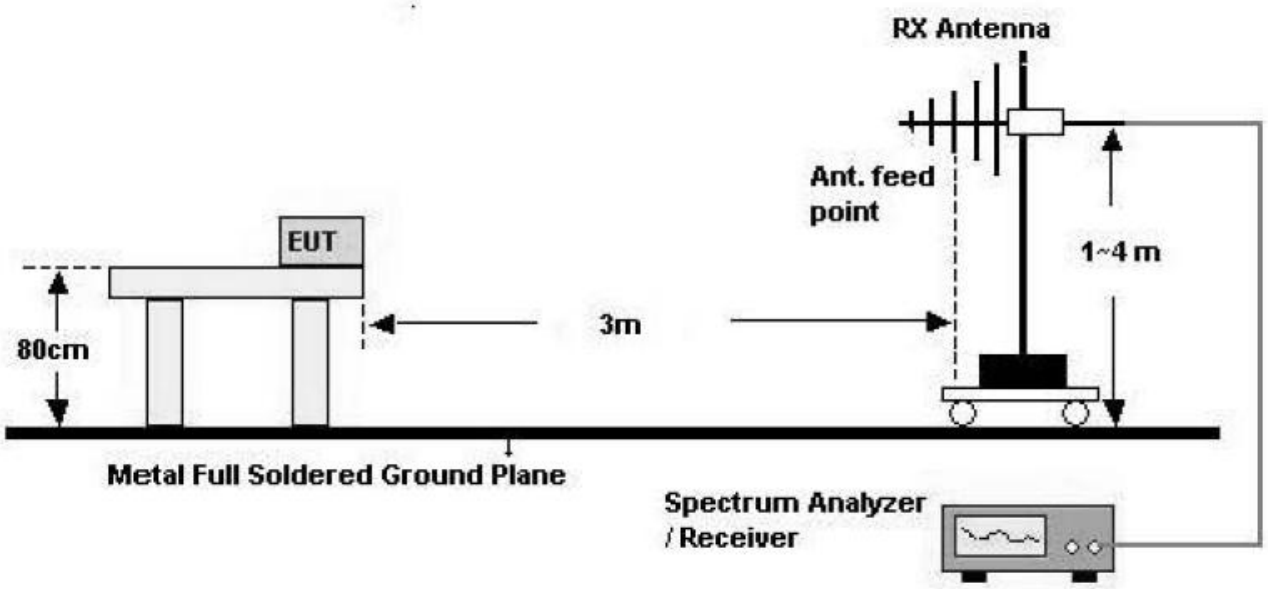
All harmonics that do not lie in a restricted band are subject to a peak limit of -27 dBm/MHz. At a distance of 3 meters the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions of 68.2 dBμV/m. Espectally, for transmitter operating in the 5725 Mhz – 5850 MHz : all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequency 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Test Configuration

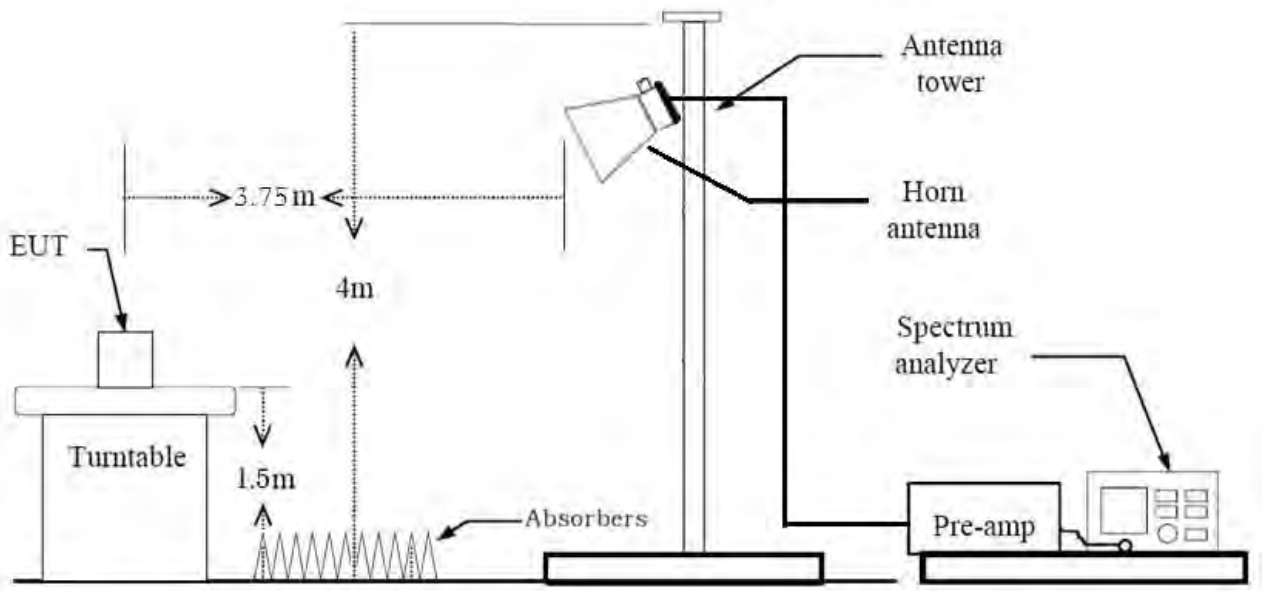
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



TEST PROCEDURE USED

ANSI C63.10:2013

Method G)5) in KDB 789033 D02 v01r03 (Peak)

Method G)6)d) in KDB 789033 D02 v01r03 (Average)

. Spectrum setting:

- Peak.

1. RBW = 1 MHz
2. VBW ≥ 3 MHz
3. Detector = Peak
4. Sweep Time = auto
5. Trace mode = max hold
6. Allow sweeps to continue until the trace stabilizes.
7. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle.

- Average (Method VB :Averaging using reduced video bandwidth)

1. RBW = 1 MHz
2. VBW
   2.1. If the EUT is configured to transmit with duty cycle ≥ 98 percent, set VBW ≤ RBW/100(i.e., 10 kHz) but not less than 10 Hz.
   2.2. If the EUT duty cycle is < 98 percent, set VBW ≥ 1/T, where T is the minimum transmission duration.
3. The analyzer is set to linear detector mode.
4. Detector = Peak.
5. Sweep time = auto.
6. Trace mode = max hold.
7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimym number of traces by a factor of 1/x, where x is the duty cycle.

Note :

1. We used the Method VB for 802.11a/n_HT20, n_HT40, ac_VHT20, 40, 80 mode to perform the average filed strength measurements.
2. The actual setting value of VBW for 802.11a/n_HT20, n_HT40, ac_VHT20, 40, 80
3. According to SVSWR requirement in ANSI 63.4-2014, We performed the radiated test at 3.75 m distance from center of turn table. So, we applied the distance factor(reference distance : 3 m).
4. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Mode	Worst Data rate (Mbps)	T_{on} (ms)	T_{total} (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
a	**6**	**2.064**	**2.181**	**0.94620185**	**485**	**1000**
n_HT20	**MCS 0**	**5.003**	**5.094**	**0.94371997**	**200**	**1000**
ac_VHT20	**MCS 0**	**5.010**	**5.108**	**0.94491842**	**200**	**1000**
n_HT40	**MCS 0**	**2.432**	**2.503**	**0.97166121**	**411**	**3000**
ac_VHT40	**MCS 0**	**2.437**	**2.513**	**0.96975810**	**410**	**3000**
ac_VHT80	**MCS 0**	**1.150**	**1.221**	**0.94190341**	**869**	**3000**

TEST RESULTS

9 kHz – 30MHz

Operation Mode: Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
㎒	dB㎶	dB /m	dB	(H/V)	dB㎶/m	dB㎶/m	dB
No Critical peaks found							

Notes:

1. Measuring frequencies from 9 kHz to the 30MHz.
2. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)
4. Limit line = specific Limits (dBuV) + Distance extrapolation factor
5. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. The test results for below 30 MHz is correlated to an open site. The result on OATS is about 2 dB higher than semi-anechoic chamber (10 m chamber)

TEST RESULTS

Below 1 GHz

Operation Mode: Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
㎒	dB㎶	dB /m	dB	(H/V)	dB㎶/m	dB㎶/m	dB
No Critical peaks found							

Notes:

1. Measuring frequencies from 30 MHz to the 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

[Ant 0]

Above 1 GHz

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	55.05	-2.75	V	52.30	68.20	15.90	PK
15540	52.81	-1.23	V	51.58	73.98	22.40	PK
15540	38.74	-1.23	V	37.51	53.98	16.47	AV
10360	54.87	-2.75	H	52.12	68.20	16.08	PK
15540	51.93	-1.23	H	50.70	73.98	23.28	PK
15540	38.22	-1.23	H	36.99	53.98	16.99	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	54.93	-2.60	V	52.33	68.20	15.87	PK
15600	53.26	-2.26	V	51.00	73.98	22.98	PK
15600	39.41	-2.26	V	37.15	53.98	16.83	AV
10400	54.55	-2.60	H	51.95	68.20	16.25	PK
15600	52.51	-2.26	H	50.25	73.98	23.73	PK
15600	39.27	-2.26	H	37.01	53.98	16.97	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	56.23	-3.54	V	52.69	68.20	15.51	PK
15720	54.98	-2.64	V	52.34	73.98	21.64	PK
15720	40.35	-2.64	V	37.71	53.98	16.27	AV
10480	55.31	-3.54	H	51.77	68.20	16.43	PK
15720	54.25	-2.64	H	51.61	73.98	22.37	PK
15720	40.27	-2.64	H	37.63	53.98	16.35	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	55.66	-2.75	V	52.91	68.20	15.29	PK
15540	52.91	-1.23	V	51.68	73.98	22.30	PK
15540	38.88	-1.23	V	37.65	53.98	16.33	AV
10360	55.12	-2.75	H	52.37	68.20	15.83	PK
15540	52.69	-1.23	H	51.46	73.98	22.52	PK
15540	38.78	-1.23	H	37.55	53.98	16.43	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	55.01	-2.60	V	52.41	68.20	15.79	PK
15600	53.22	-2.26	V	50.96	73.98	23.02	PK
15600	39.38	-2.26	V	37.12	53.98	16.86	AV
10400	54.49	-2.60	H	51.89	68.20	16.31	PK
15600	52.14	-2.26	H	49.88	73.98	24.10	PK
15600	39.15	-2.26	H	36.89	53.98	17.09	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	55.89	-3.54	V	52.35	68.20	15.85	PK
15720	54.76	-2.64	V	52.12	73.98	21.86	PK
15720	40.43	-2.64	V	37.79	53.98	16.19	AV
10480	55.27	-3.54	H	51.73	68.20	16.47	PK
15720	54.69	-2.64	H	52.05	73.98	21.93	PK
15720	40.35	-2.64	H	37.71	53.98	16.27	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	55.35	-2.75	V	52.60	68.20	15.60	PK
15540	52.84	-1.23	V	51.61	73.98	22.37	PK
15540	38.94	-1.23	V	37.71	53.98	16.27	AV
10360	54.99	-2.75	H	52.24	68.20	15.96	PK
15540	52.57	-1.23	H	51.34	73.98	22.64	PK
15540	38.92	-1.23	H	37.69	53.98	16.29	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	54.96	-2.60	V	52.36	68.20	15.84	PK
15600	53.37	-2.26	V	51.11	73.98	22.87	PK
15600	39.40	-2.26	V	37.14	53.98	16.84	AV
10400	54.33	-2.60	H	51.73	68.20	16.47	PK
15600	52.98	-2.26	H	50.72	73.98	23.26	PK
15600	39.31	-2.26	H	37.05	53.98	16.93	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	55.73	-3.54	V	52.19	68.20	16.01	PK
15720	54.79	-2.64	V	52.15	73.98	21.83	PK
15720	40.28	-2.64	V	37.64	53.98	16.34	AV
10480	55.14	-3.54	H	51.60	68.20	16.60	PK
15720	55.01	-2.64	H	52.37	73.98	21.61	PK
15720	40.29	-2.64	H	37.65	53.98	16.33	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	54.47	-2.74	V	51.73	68.20	16.47	PK
15570	52.78	-1.95	V	50.83	73.98	23.15	PK
15570	38.74	-1.95	V	36.79	53.98	17.19	AV
10380	53.46	-2.74	H	50.72	68.20	17.48	PK
15570	52.53	-1.95	H	50.58	73.98	23.40	PK
15570	38.69	-1.95	H	36.74	53.98	17.24	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	54.92	-3.07	V	51.85	68.20	16.35	PK
15690	53.45	-0.73	V	52.72	73.98	21.26	PK
15690	40.20	-0.73	V	39.47	53.98	14.51	AV
10460	54.77	-3.07	H	51.70	68.20	16.50	PK
15690	53.28	-0.73	H	52.55	73.98	21.43	PK
15690	40.05	-0.73	H	39.32	53.98	14.66	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	54.29	-2.74	V	51.55	68.20	16.65	PK
15570	52.71	-1.95	V	50.76	73.98	23.22	PK
15570	38.69	-1.95	V	36.74	53.98	17.24	AV
10380	53.44	-2.74	H	50.70	68.20	17.50	PK
15570	52.48	-1.95	H	50.53	73.98	23.45	PK
15570	38.52	-1.95	H	36.57	53.98	17.41	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	54.83	-3.07	V	51.76	68.20	16.44	PK
15690	53.63	-0.73	V	52.90	73.98	21.08	PK
15690	40.21	-0.73	V	39.48	53.98	14.50	AV
10460	54.75	-3.07	H	51.68	68.20	16.52	PK
15690	53.22	-0.73	H	52.49	73.98	21.49	PK
15690	40.10	-0.73	H	39.37	53.98	14.61	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	54.45	-2.88	V	51.57	68.20	16.63	PK
15630	53.20	-1.88	V	51.32	73.98	22.66	PK
15630	39.56	-1.88	V	37.68	53.98	16.30	AV
10420	54.27	-2.88	H	51.39	68.20	16.81	PK
15630	52.87	-1.88	H	50.99	73.98	22.99	PK
15630	39.51	-1.88	H	37.63	53.98	16.35	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer MCS Index:	6 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	53.68	-2.97	V	50.71	68.20	17.49	PK
15780	52.98	-1.86	V	51.12	73.98	22.86	PK
15780	39.15	-1.86	V	37.29	53.98	16.69	AV
10520	54.65	-2.97	H	51.68	68.20	16.52	PK
15780	53.43	-1.86	H	51.57	73.98	22.41	PK
15780	39.22	-1.86	H	37.36	53.98	16.62	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.91	-3.22	V	50.69	73.98	23.29	PK
10600	40.66	-3.22	V	37.44	53.98	16.54	AV
15900	52.93	-2.44	V	50.49	73.98	23.49	PK
15900	39.38	-2.44	V	36.94	53.98	17.04	AV
10600	54.81	-3.22	H	51.59	73.98	22.39	PK
10600	40.86	-3.22	H	37.64	53.98	16.34	AV
15900	53.30	-2.44	H	50.86	73.98	23.12	PK
15900	39.46	-2.44	H	37.02	53.98	16.96	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	54.57	-3.27	V	51.30	73.98	22.68	PK
10640	41.59	-3.27	V	38.32	53.98	15.66	AV
15960	52.14	-2.89	V	49.25	73.98	24.73	PK
15960	38.73	-2.89	V	35.84	53.98	18.14	AV
10640	55.01	-3.27	H	51.74	73.98	22.24	PK
10640	41.72	-3.27	H	38.45	53.98	15.53	AV
15960	52.76	-2.89	H	49.87	73.98	24.11	PK
15960	38.80	-2.89	H	35.91	53.98	18.07	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	54.62	-2.97	V	51.65	68.20	16.55	PK
15780	52.98	-1.86	V	51.12	73.98	22.86	PK
15780	39.15	-1.86	V	37.29	53.98	16.69	AV
10520	54.59	-2.97	H	51.62	68.20	16.58	PK
15780	53.28	-1.86	H	51.42	73.98	22.56	PK
15780	39.20	-1.86	H	37.34	53.98	16.64	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.48	-3.22	V	50.26	73.98	23.72	PK
10600	40.51	-3.22	V	37.29	53.98	16.69	AV
15900	52.48	-2.44	V	50.04	73.98	23.94	PK
15900	39.29	-2.44	V	36.85	53.98	17.13	AV
10600	54.62	-3.22	H	51.40	73.98	22.58	PK
10600	40.79	-3.22	H	37.57	53.98	16.41	AV
15900	53.01	-2.44	H	50.57	73.98	23.41	PK
15900	39.32	-2.44	H	36.88	53.98	17.10	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	54.63	-3.27	V	51.36	73.98	22.62	PK
10640	41.55	-3.27	V	38.28	53.98	15.70	AV
15960	52.27	-2.89	V	49.38	73.98	24.60	PK
15960	38.64	-2.89	V	35.75	53.98	18.23	AV
10640	55.12	-3.27	H	51.85	73.98	22.13	PK
10640	41.69	-3.27	H	38.42	53.98	15.56	AV
15960	52.46	-2.89	H	49.57	73.98	24.41	PK
15960	38.70	-2.89	H	35.81	53.98	18.17	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	54.58	-2.97	V	51.61	68.20	16.59	PK
15780	53.11	-1.86	V	51.25	73.98	22.73	PK
15780	39.28	-1.86	V	37.42	53.98	16.56	AV
10520	54.85	-2.97	H	51.88	68.20	16.32	PK
15780	53.46	-1.86	H	51.60	73.98	22.38	PK
15780	39.14	-1.86	H	37.28	53.98	16.70	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.51	-3.22	V	50.29	73.98	23.69	PK
10600	40.49	-3.22	V	37.27	53.98	16.71	AV
15900	52.18	-2.44	V	49.74	73.98	24.24	PK
15900	39.22	-2.44	V	36.78	53.98	17.20	AV
10600	54.78	-3.22	H	51.56	73.98	22.42	PK
10600	40.81	-3.22	H	37.59	53.98	16.39	AV
15900	52.89	-2.44	H	50.45	73.98	23.53	PK
15900	39.28	-2.44	H	36.84	53.98	17.14	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	54.89	-3.27	V	51.62	73.98	22.36	PK
10640	41.65	-3.27	V	38.38	53.98	15.60	AV
15960	52.10	-2.89	V	49.21	73.98	24.77	PK
15960	38.48	-2.89	V	35.59	53.98	18.39	AV
10640	55.34	-3.27	H	52.07	73.98	21.91	PK
10640	41.70	-3.27	H	38.43	53.98	15.55	AV
15960	52.11	-2.89	H	49.22	73.98	24.76	PK
15960	38.49	-2.89	H	35.60	53.98	18.38	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	54.16	-2.73	V	51.43	68.20	16.77	PK
15810	53.55	-2.52	V	51.03	73.98	22.95	PK
15810	39.78	-2.52	V	37.26	53.98	16.72	AV
10540	54.36	-2.73	H	51.63	68.20	16.57	PK
15810	53.85	-2.52	H	51.33	73.98	22.65	PK
15810	39.86	-2.52	H	37.34	53.98	16.64	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	54.15	-3.38	V	50.77	73.98	23.21	PK
10620	40.43	-3.38	V	37.05	53.98	16.93	AV
15930	53.30	-2.78	V	50.52	73.98	23.46	PK
15930	39.51	-2.78	V	36.73	53.98	17.25	AV
10620	54.49	-3.38	H	51.11	73.98	22.87	PK
10620	40.63	-3.38	H	37.25	53.98	16.73	AV
15930	53.39	-2.78	H	50.61	73.98	23.37	PK
15930	39.56	-2.78	H	36.78	53.98	17.20	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	54.95	-2.73	V	52.22	68.20	15.98	PK
15810	53.48	-2.52	V	50.96	73.98	23.02	PK
15810	39.82	-2.52	V	37.30	53.98	16.68	AV
10540	54.78	-2.73	H	52.05	68.20	16.15	PK
15810	53.77	-2.52	H	51.25	73.98	22.73	PK
15810	39.94	-2.52	H	37.42	53.98	16.56	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	54.08	-3.38	V	50.70	73.98	23.28	PK
10620	40.26	-3.38	V	36.88	53.98	17.10	AV
15930	52.99	-2.78	V	50.21	73.98	23.77	PK
15930	39.48	-2.78	V	36.70	53.98	17.28	AV
10620	54.51	-3.38	H	51.13	73.98	22.85	PK
10620	40.47	-3.38	H	37.09	53.98	16.89	AV
15930	53.28	-2.78	H	50.50	73.98	23.48	PK
15930	39.55	-2.78	H	36.77	53.98	17.21	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	53.18	-3.21	V	49.97	68.20	18.23	PK
15870	51.99	-2.62	V	49.37	73.98	24.61	PK
15870	38.45	-2.62	V	35.83	53.98	18.15	AV
10580	53.81	-3.21	H	50.60	68.20	17.60	PK
15870	52.18	-2.62	H	49.56	73.98	24.42	PK
15870	38.62	-2.62	H	36.00	53.98	17.98	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.12	-1.60	V	52.52	73.98	21.46	PK
11000	40.20	-1.60	V	38.60	53.98	15.38	AV
16500	54.15	-0.86	V	53.29	68.20	14.91	PK
11000	53.66	-1.60	H	52.06	73.98	21.92	PK
11000	40.15	-1.60	H	38.55	53.98	15.43	AV
16500	53.47	-0.86	H	52.61	68.20	15.59	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	53.85	-2.03	V	51.82	73.98	22.16	PK
11160	40.11	-2.03	V	38.08	53.98	15.90	AV
16740	53.64	0.18	V	53.82	68.20	14.38	PK
11160	54.31	-2.03	H	52.28	73.98	21.70	PK
11160	40.24	-2.03	H	38.21	53.98	15.77	AV
16740	53.74	0.18	H	53.92	68.20	14.28	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	53.81	-1.92	V	51.89	73.98	22.09	PK
11440	40.79	-1.92	V	38.87	53.98	15.11	AV
17160	52.46	2.19	V	54.65	68.20	13.55	PK
11440	54.19	-1.92	H	52.27	73.98	21.71	PK
11440	40.86	-1.92	H	38.94	53.98	15.04	AV
17160	52.86	2.19	H	55.05	68.20	13.15	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.34	-1.60	V	52.74	73.98	21.24	PK
11000	40.24	-1.60	V	38.64	53.98	15.34	AV
16500	53.58	-0.86	V	52.72	68.20	15.48	PK
11000	54.89	-1.60	H	53.29	73.98	20.69	PK
11000	40.31	-1.60	H	38.71	53.98	15.27	AV
16500	53.97	-0.86	H	53.11	68.20	15.09	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	53.91	-2.03	V	51.88	73.98	22.10	PK
11160	40.20	-2.03	V	38.17	53.98	15.81	AV
16740	53.71	0.18	V	53.89	68.20	14.31	PK
11160	54.29	-2.03	H	52.26	73.98	21.72	PK
11160	40.28	-2.03	H	38.25	53.98	15.73	AV
16740	52.80	0.18	H	52.98	68.20	15.22	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	53.49	-1.92	V	51.57	73.98	22.41	PK
11440	40.75	-1.92	V	38.83	53.98	15.15	AV
17160	52.57	2.19	V	54.76	68.20	13.44	PK
11440	54.22	-1.92	H	52.30	73.98	21.68	PK
11440	40.78	-1.92	H	38.86	53.98	15.12	AV
17160	52.94	2.19	H	55.13	68.20	13.07	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.36	-1.60	V	52.76	73.98	21.22	PK
11000	40.21	-1.60	V	38.61	53.98	15.37	AV
16500	52.94	-0.86	V	52.08	68.20	16.12	PK
11000	54.91	-1.60	H	53.31	73.98	20.67	PK
11000	40.26	-1.60	H	38.66	53.98	15.32	AV
16500	53.27	-0.86	H	52.41	68.20	15.79	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	53.57	-2.03	V	51.54	73.98	22.44	PK
11160	40.18	-2.03	V	38.15	53.98	15.83	AV
16740	52.94	0.18	V	53.12	68.20	15.08	PK
11160	53.85	-2.03	H	51.82	73.98	22.16	PK
11160	40.21	-2.03	H	38.18	53.98	15.80	AV
16740	53.14	0.18	H	53.32	68.20	14.88	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	54.01	-1.92	V	52.09	73.98	21.89	PK
11440	40.79	-1.92	V	38.87	53.98	15.11	AV
17160	52.84	2.19	V	55.03	68.20	13.17	PK
11440	54.68	-1.92	H	52.76	73.98	21.22	PK
11440	40.85	-1.92	H	38.93	53.98	15.05	AV
17160	53.01	2.19	H	55.20	68.20	13.00	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	53.46	-1.98	V	51.48	73.98	22.50	PK
11020	39.97	-1.98	V	37.99	53.98	15.99	AV
16530	53.62	-1.57	V	52.05	68.20	16.15	PK
11020	53.90	-1.98	H	51.92	73.98	22.06	PK
11020	39.99	-1.98	H	38.01	53.98	15.97	AV
16530	53.88	-1.57	H	52.31	68.20	15.89	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	54.00	-2.32	V	51.68	73.98	22.30	PK
11100	39.72	-2.32	V	37.40	53.98	16.58	AV
16650	52.60	-1.17	V	51.43	68.20	16.77	PK
11100	54.47	-2.32	H	52.15	73.98	21.83	PK
11100	39.91	-2.32	H	37.59	53.98	16.39	AV
16650	52.73	-1.17	H	51.56	68.20	16.64	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	53.96	-2.23	V	51.73	73.98	22.25	PK
11420	40.10	-2.23	V	37.87	53.98	16.11	AV
17130	52.25	1.75	V	54.00	68.20	14.20	PK
11420	54.23	-2.23	H	52.00	73.98	21.98	PK
11420	40.20	-2.23	H	37.97	53.98	16.01	AV
17130	53.13	1.75	H	54.88	68.20	13.32	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	53.51	-1.98	V	51.53	73.98	22.45	PK
11020	39.92	-1.98	V	37.94	53.98	16.04	AV
16530	53.58	-1.57	V	52.01	68.20	16.19	PK
11020	53.78	-1.98	H	51.80	73.98	22.18	PK
11020	40.00	-1.98	H	38.02	53.98	15.96	AV
16530	53.76	-1.57	H	52.19	68.20	16.01	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	53.84	-2.32	V	51.52	73.98	22.46	PK
11100	39.68	-2.32	V	37.36	53.98	16.62	AV
16650	52.63	-1.17	V	51.46	68.20	16.74	PK
11100	54.57	-2.32	H	52.25	73.98	21.73	PK
11100	39.89	-2.32	H	37.57	53.98	16.41	AV
16650	52.69	-1.17	H	51.52	68.20	16.68	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	53.82	-2.23	V	51.59	73.98	22.39	PK
11420	40.14	-2.23	V	37.91	53.98	16.07	AV
17130	52.18	1.75	V	53.93	68.20	14.27	PK
11420	54.20	-2.23	H	51.97	73.98	22.01	PK
11420	40.11	-2.23	H	37.88	53.98	16.10	AV
17130	52.49	1.75	H	54.24	68.20	13.96	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	53.78	-2.21	V	51.57	73.98	22.41	PK
11060	40.02	-2.21	V	37.81	53.98	16.17	AV
16590	52.80	-0.60	V	52.20	68.20	16.00	PK
11060	54.28	-2.21	H	52.07	73.98	21.91	PK
11060	40.10	-2.21	H	37.89	53.98	16.09	AV
16590	53.21	-0.60	H	52.61	68.20	15.59	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	53.19	-2.08	V	51.11	73.98	22.87	PK
11380	39.95	-2.08	V	37.87	53.98	16.11	AV
17070	52.41	1.67	V	54.08	68.20	14.12	PK
11380	53.88	-2.08	H	51.80	73.98	22.18	PK
11380	40.12	-2.08	H	38.04	53.98	15.94	AV
17070	53.00	1.67	H	54.67	68.20	13.53	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	56.23	-2.50	V	53.73	73.98	20.25	PK
11490	42.47	-2.50	V	39.97	53.98	14.01	AV
17235	53.52	3.09	V	56.61	68.20	11.59	PK
11490	55.79	-2.50	H	53.29	73.98	20.69	PK
11490	41.75	-2.50	H	39.25	53.98	14.73	AV
17235	52.99	3.09	H	56.08	68.20	12.12	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	55.14	-2.87	V	52.27	73.98	21.71	PK
11570	41.97	-2.87	V	39.10	53.98	14.88	AV
17355	51.79	3.45	V	55.24	68.20	12.96	PK
11570	54.88	-2.87	H	52.01	73.98	21.97	PK
11570	41.26	-2.87	H	38.39	53.98	15.59	AV
17355	51.00	3.45	H	54.45	68.20	13.75	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	56.18	-2.84	V	53.34	73.98	20.64	PK
11650	42.52	-2.84	V	39.68	53.98	14.30	AV
17475	51.95	5.68	V	57.63	68.20	10.57	PK
11650	55.59	-2.84	H	52.75	73.98	21.23	PK
11650	42.13	-2.84	H	39.29	53.98	14.69	AV
17475	51.51	5.68	H	57.19	68.20	11.01	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	55.89	-2.50	V	53.39	73.98	20.59	PK
11490	42.38	-2.50	V	39.88	53.98	14.10	AV
17235	52.98	3.09	V	56.07	68.20	12.13	PK
11490	55.68	-2.50	H	53.18	73.98	20.80	PK
11490	41.68	-2.50	H	39.18	53.98	14.80	AV
17235	51.46	3.09	H	54.55	68.20	13.65	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	56.11	-2.87	V	53.24	73.98	20.74	PK
11570	41.73	-2.87	V	38.86	53.98	15.12	AV
17355	52.28	3.45	V	55.73	68.20	12.47	PK
11570	55.29	-2.87	H	52.42	73.98	21.56	PK
11570	41.25	-2.87	H	38.38	53.98	15.60	AV
17355	51.96	3.45	H	55.41	68.20	12.79	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	56.77	-2.84	V	53.93	73.98	20.05	PK
11650	42.19	-2.84	V	39.35	53.98	14.63	AV
17475	52.43	5.68	V	58.11	68.20	10.09	PK
11650	56.12	-2.84	H	53.28	73.98	20.70	PK
11650	42.13	-2.84	H	39.29	53.98	14.69	AV
17475	51.71	5.68	H	57.39	68.20	10.81	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	55.96	-2.50	V	53.46	73.98	20.52	PK
11490	42.29	-2.50	V	39.79	53.98	14.19	AV
17235	53.01	3.09	V	56.10	68.20	12.10	PK
11490	54.78	-2.50	H	52.28	73.98	21.70	PK
11490	41.55	-2.50	H	39.05	53.98	14.93	AV
17235	52.11	3.09	H	55.20	68.20	13.00	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	55.89	-2.87	V	53.02	73.98	20.96	PK
11570	41.69	-2.87	V	38.82	53.98	15.16	AV
17355	52.31	3.45	V	55.76	68.20	12.44	PK
11570	55.43	-2.87	H	52.56	73.98	21.42	PK
11570	41.22	-2.87	H	38.35	53.98	15.63	AV
17355	52.17	3.45	H	55.62	68.20	12.58	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	56.22	-2.84	V	53.38	73.98	20.60	PK
11650	42.35	-2.84	V	39.51	53.98	14.47	AV
17475	52.56	5.68	V	58.24	68.20	9.96	PK
11650	56.14	-2.84	H	53.30	73.98	20.68	PK
11650	42.11	-2.84	H	39.27	53.98	14.71	AV
17475	51.88	5.68	H	57.56	68.20	10.64	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII3
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	54.23	-2.55	V	51.68	73.98	22.30	PK
11510	39.99	-2.55	V	37.44	53.98	16.54	AV
17265	53.08	3.10	V	56.18	68.20	12.02	PK
11510	53.35	-2.55	H	50.80	73.98	23.18	PK
11510	39.89	-2.55	H	37.34	53.98	16.64	AV
17265	52.46	3.10	H	55.56	68.20	12.64	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	53.95	-3.29	V	50.66	73.98	23.32	PK
11590	40.01	-3.29	V	36.72	53.98	17.26	AV
17385	51.41	4.19	V	55.60	68.20	12.60	PK
11590	53.28	-3.29	H	49.99	73.98	23.99	PK
11590	39.15	-3.29	H	35.86	53.98	18.12	AV
17385	51.18	4.19	H	55.37	68.20	12.83	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	53.97	-2.55	V	51.42	73.98	22.56	PK
11510	40.15	-2.55	V	37.60	53.98	16.38	AV
17265	53.48	3.10	V	56.58	68.20	11.62	PK
11510	53.79	-2.55	H	51.24	73.98	22.74	PK
11510	40.05	-2.55	H	37.50	53.98	16.48	AV
17265	53.26	3.10	H	56.36	68.20	11.84	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	53.88	-3.29	V	50.59	73.98	23.39	PK
11590	40.05	-3.29	V	36.76	53.98	17.22	AV
17385	51.59	4.19	V	55.78	68.20	12.42	PK
11590	53.19	-3.29	H	49.90	73.98	24.08	PK
11590	39.20	-3.29	H	35.91	53.98	18.07	AV
17385	50.89	4.19	H	55.08	68.20	13.12	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	52.97	-2.71	V	50.26	73.98	23.72	PK
11550	39.60	-2.71	V	36.89	53.98	17.09	AV
17325	52.64	3.44	V	56.08	68.20	12.12	PK
11550	52.55	-2.71	H	49.84	73.98	24.14	PK
11550	39.31	-2.71	H	36.60	53.98	17.38	AV
17325	52.18	3.44	H	55.62	68.20	12.58	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

[Ant 1]

Above 1 GHz

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	57.66	-2.75	V	54.91	68.20	13.29	PK
15540	51.64	-1.23	V	50.41	73.98	23.57	PK
15540	38.01	-1.23	V	36.78	53.98	17.20	AV
10360	58.31	-2.75	H	55.56	68.20	12.64	PK
15540	52.21	-1.23	H	50.98	73.98	23.00	PK
15540	38.06	-1.23	H	36.83	53.98	17.15	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	56.85	-2.60	V	54.25	68.20	13.95	PK
15600	52.71	-2.26	V	50.45	73.98	23.53	PK
15600	38.81	-2.26	V	36.55	53.98	17.43	AV
10400	57.36	-2.60	H	54.76	68.20	13.44	PK
15600	52.84	-2.26	H	50.58	73.98	23.40	PK
15600	38.91	-2.26	H	36.65	53.98	17.33	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	56.46	-3.54	V	52.92	68.20	15.28	PK
15720	53.67	-2.64	V	51.03	73.98	22.95	PK
15720	40.12	-2.64	V	37.48	53.98	16.50	AV
10480	57.45	-3.54	H	53.91	68.20	14.29	PK
15720	54.30	-2.64	H	51.66	73.98	22.32	PK
15720	40.23	-2.64	H	37.59	53.98	16.39	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	57.96	-2.75	V	55.21	68.20	12.99	PK
15540	52.44	-1.23	V	51.21	73.98	22.77	PK
15540	38.70	-1.23	V	37.47	53.98	16.51	AV
10360	58.40	-2.75	H	55.65	68.20	12.55	PK
15540	52.46	-1.23	H	51.23	73.98	22.75	PK
15540	38.76	-1.23	H	37.53	53.98	16.45	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	56.62	-2.60	V	54.02	68.20	14.18	PK
15600	51.71	-2.26	V	49.45	73.98	24.53	PK
15600	38.77	-2.26	V	36.51	53.98	17.47	AV
10400	57.04	-2.60	H	54.44	68.20	13.76	PK
15600	53.04	-2.26	H	50.78	73.98	23.20	PK
15600	39.02	-2.26	H	36.76	53.98	17.22	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	56.59	-3.54	V	53.05	68.20	15.15	PK
15720	54.00	-2.64	V	51.36	73.98	22.62	PK
15720	40.28	-2.64	V	37.64	53.98	16.34	AV
10480	57.12	-3.54	H	53.58	68.20	14.62	PK
15720	53.96	-2.64	H	51.32	73.98	22.66	PK
15720	40.31	-2.64	H	37.67	53.98	16.31	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	57.59	-2.75	V	54.84	68.20	13.36	PK
15540	52.28	-1.23	V	51.05	73.98	22.93	PK
15540	38.69	-1.23	V	37.46	53.98	16.52	AV
10360	58.04	-2.75	H	55.29	68.20	12.91	PK
15540	52.67	-1.23	H	51.44	73.98	22.54	PK
15540	38.77	-1.23	H	37.54	53.98	16.44	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	57.05	-2.60	V	54.45	68.20	13.75	PK
15600	51.68	-2.26	V	49.42	73.98	24.56	PK
15600	38.80	-2.26	V	36.54	53.98	17.44	AV
10400	57.11	-2.60	H	54.51	68.20	13.69	PK
15600	52.97	-2.26	H	50.71	73.98	23.2720.2	PK
15600	38.96	-2.26	H	36.70	53.98	17.28	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	57.50	-3.54	V	53.96	68.20	14.24	PK
15720	54.11	-2.64	V	51.47	73.98	22.51	PK
15720	40.25	-2.64	V	37.61	53.98	16.37	AV
10480	57.70	-3.54	H	54.16	68.20	14.04	PK
15720	54.36	-2.64	H	51.72	73.98	22.26	PK
15720	40.29	-2.64	H	37.65	53.98	16.33	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	54.53	-2.74	V	51.79	68.20	16.41	PK
15570	51.99	-1.95	V	50.04	73.98	23.94	PK
15570	38.42	-1.95	V	36.47	53.98	17.51	AV
10380	54.77	-2.74	H	52.03	68.20	16.17	PK
15570	53.11	-1.95	H	51.16	73.98	22.82	PK
15570	38.50	-1.95	H	36.55	53.98	17.43	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	54.24	-3.07	V	51.17	68.20	17.03	PK
15690	53.21	-0.73	V	52.48	73.98	21.50	PK
15690	39.84	-0.73	V	39.11	53.98	14.87	AV
10460	54.40	-3.07	H	51.33	68.20	16.87	PK
15690	53.78	-0.73	H	53.05	73.98	20.93	PK
15690	39.92	-0.73	H	39.19	53.98	14.79	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	54.47	-2.74	V	51.73	68.20	16.47	PK
15570	51.86	-1.95	V	49.91	73.98	24.07	PK
15570	38.52	-1.95	V	36.57	53.98	17.41	AV
10380	54.69	-2.74	H	51.95	68.20	16.25	PK
15570	52.67	-1.95	H	50.72	73.98	23.26	PK
15570	38.61	-1.95	H	36.66	53.98	17.32	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	53.75	-3.07	V	50.68	68.20	17.52	PK
15690	53.01	-0.73	V	52.28	73.98	21.70	PK
15690	39.78	-0.73	V	39.05	53.98	14.93	AV
10460	54.38	-3.07	H	51.31	68.20	16.89	PK
15690	53.64	-0.73	H	52.91	73.98	21.07	PK
15690	39.82	-0.73	H	39.09	53.98	14.89	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	53.04	-2.88	V	50.16	68.20	18.04	PK
15630	52.64	-1.88	V	50.76	73.98	23.22	PK
15630	39.03	-1.88	V	37.15	53.98	16.83	AV
10420	53.68	-2.88	H	50.80	68.20	17.40	PK
15630	53.34	-1.88	H	51.46	73.98	22.52	PK
15630	39.10	-1.88	H	37.22	53.98	16.76	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer MCS Index:	6 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	56.53	-2.97	V	53.56	68.20	14.64	PK
15780	53.51	-1.86	V	51.65	73.98	22.33	PK
15780	39.54	-1.86	V	37.68	53.98	16.30	AV
10520	55.04	-2.97	H	52.07	68.20	16.13	PK
15780	53.24	-1.86	H	51.38	73.98	22.60	PK
15780	39.44	-1.86	H	37.58	53.98	16.40	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	55.91	-3.22	V	52.69	73.98	21.29	PK
10600	41.53	-3.22	V	38.31	53.98	15.67	AV
15900	53.18	-2.44	V	50.74	73.98	23.24	PK
15900	39.93	-2.44	V	37.49	53.98	16.49	AV
10600	54.86	-3.22	H	51.64	73.98	22.34	PK
10600	41.40	-3.22	H	38.18	53.98	15.80	AV
15900	53.06	-2.44	H	50.62	73.98	23.36	PK
15900	39.88	-2.44	H	37.44	53.98	16.54	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	56.96	-3.27	V	53.69	73.98	20.29	PK
10640	42.33	-3.27	V	39.06	53.98	14.92	AV
15960	52.10	-2.89	V	49.21	73.98	24.77	PK
15960	39.03	-2.89	V	36.14	53.98	17.84	AV
10640	55.41	-3.27	H	52.14	73.98	21.84	PK
10640	42.19	-3.27	H	38.92	53.98	15.06	AV
15960	52.90	-2.89	H	50.01	73.98	23.97	PK
15960	38.95	-2.89	H	36.06	53.98	17.92	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	56.24	-2.97	V	53.27	68.20	14.93	PK
15780	53.24	-1.86	V	51.38	73.98	22.60	PK
15780	39.56	-1.86	V	37.70	53.98	16.28	AV
10520	55.89	-2.97	H	52.92	68.20	15.28	PK
15780	52.47	-1.86	H	50.61	73.98	23.37	PK
15780	39.38	-1.86	H	37.52	53.98	16.46	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	55.86	-3.22	V	52.64	73.98	21.34	PK
10600	41.62	-3.22	V	38.40	53.98	15.58	AV
15900	53.20	-2.44	V	50.76	73.98	23.22	PK
15900	39.95	-2.44	V	37.51	53.98	16.47	AV
10600	54.85	-3.22	H	51.63	73.98	22.35	PK
10600	41.25	-3.22	H	38.03	53.98	15.95	AV
15900	53.16	-2.44	H	50.72	73.98	23.26	PK
15900	39.92	-2.44	H	37.48	53.98	16.50	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	57.04	-3.27	V	53.77	73.98	20.21	PK
10640	42.31	-3.27	V	39.04	53.98	14.94	AV
15960	52.84	-2.89	V	49.95	73.98	24.03	PK
15960	39.10	-2.89	V	36.21	53.98	17.77	AV
10640	55.74	-3.27	H	52.47	73.98	21.51	PK
10640	42.25	-3.27	H	38.98	53.98	15.00	AV
15960	52.56	-2.89	H	49.67	73.98	24.31	PK
15960	39.05	-2.89	H	36.16	53.98	17.82	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	56.31	-2.97	V	53.34	68.20	14.86	PK
15780	53.45	-1.86	V	51.59	73.98	22.39	PK
15780	39.55	-1.86	V	37.69	53.98	16.29	AV
10520	55.95	-2.97	H	52.98	68.20	15.22	PK
15780	53.11	-1.86	H	51.25	73.98	22.73	PK
15780	39.46	-1.86	H	37.60	53.98	16.38	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	55.79	-3.22	V	52.57	73.98	21.41	PK
10600	41.52	-3.22	V	38.30	53.98	15.68	AV
15900	53.38	-2.44	V	50.94	73.98	23.04	PK
15900	39.90	-2.44	V	37.46	53.98	16.52	AV
10600	54.74	-3.22	H	51.52	73.98	22.46	PK
10600	41.20	-3.22	H	37.98	53.98	16.00	AV
15900	53.25	-2.44	H	50.81	73.98	23.17	PK
15900	39.87	-2.44	H	37.43	53.98	16.55	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	57.11	-3.27	V	53.84	73.98	20.14	PK
10640	42.30	-3.27	V	39.03	53.98	14.95	AV
15960	52.47	-2.89	V	49.58	73.98	24.40	PK
15960	38.98	-2.89	V	36.09	53.98	17.89	AV
10640	55.84	-3.27	H	52.57	73.98	21.41	PK
10640	42.28	-3.27	H	39.01	53.98	14.97	AV
15960	52.39	-2.89	H	49.50	73.98	24.48	PK
15960	38.94	-2.89	H	36.05	53.98	17.93	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	54.13	-2.73	V	51.40	68.20	16.80	PK
15810	53.61	-2.52	V	51.09	73.98	22.89	PK
15810	40.15	-2.52	V	37.63	53.98	16.35	AV
10540	54.09	-2.73	H	51.36	68.20	16.84	PK
15810	52.96	-2.52	H	50.44	73.98	23.54	PK
15810	40.19	-2.52	H	37.67	53.98	16.31	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	54.26	-3.38	V	50.88	73.98	23.10	PK
10620	40.44	-3.38	V	37.06	53.98	16.92	AV
15930	53.93	-2.78	V	51.15	73.98	22.83	PK
15930	40.02	-2.78	V	37.24	53.98	16.74	AV
10620	53.72	-3.38	H	50.34	73.98	23.64	PK
10620	40.36	-3.38	H	36.98	53.98	17.00	AV
15930	53.64	-2.78	H	50.86	73.98	23.12	PK
15930	39.88	-2.78	H	37.10	53.98	16.88	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	54.26	-2.73	V	51.53	68.20	16.67	PK
15810	53.20	-2.52	V	50.68	73.98	23.30	PK
15810	40.20	-2.52	V	37.68	53.98	16.30	AV
10540	54.31	-2.73	H	51.58	68.20	16.62	PK
15810	52.91	-2.52	H	50.39	73.98	23.59	PK
15810	40.15	-2.52	H	37.63	53.98	16.35	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	54.62	-3.38	V	51.24	73.98	22.74	PK
10620	40.40	-3.38	V	37.02	53.98	16.96	AV
15930	54.11	-2.78	V	51.33	73.98	22.65	PK
15930	40.08	-2.78	V	37.30	53.98	16.68	AV
10620	53.68	-3.38	H	50.30	73.98	23.68	PK
10620	40.31	-3.38	H	36.93	53.98	17.05	AV
15930	54.26	-2.78	H	51.48	73.98	22.50	PK
15930	40.10	-2.78	H	37.32	53.98	16.66	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	53.97	-3.21	V	50.76	68.20	17.44	PK
15870	53.24	-2.62	V	50.62	73.98	23.36	PK
15870	39.03	-2.62	V	36.41	53.98	17.57	AV
10580	53.84	-3.21	H	50.63	68.20	17.57	PK
15870	52.25	-2.62	H	49.63	73.98	24.35	PK
15870	38.98	-2.62	H	36.36	53.98	17.62	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	55.26	-1.60	V	53.66	73.98	20.32	PK
11000	41.30	-1.60	V	39.70	53.98	14.28	AV
16500	52.84	-0.86	V	51.98	68.20	16.22	PK
11000	55.63	-1.60	H	54.03	73.98	19.95	PK
11000	41.74	-1.60	H	40.14	53.98	13.84	AV
16500	53.40	-0.86	H	52.54	68.20	15.66	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	55.94	-2.03	V	53.91	73.98	20.07	PK
11160	41.89	-2.03	V	39.86	53.98	14.12	AV
16740	52.40	0.18	V	52.58	68.20	15.62	PK
11160	56.40	-2.03	H	54.37	73.98	19.61	PK
11160	41.99	-2.03	H	39.96	53.98	14.02	AV
16740	53.50	0.18	H	53.68	68.20	14.52	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	54.36	-1.92	V	52.44	73.98	21.54	PK
11440	40.24	-1.92	V	38.32	53.98	15.66	AV
17160	52.35	2.19	V	54.54	68.20	13.66	PK
11440	54.63	-1.92	H	52.71	73.98	21.27	PK
11440	40.46	-1.92	H	38.54	53.98	15.44	AV
17160	52.43	2.19	H	54.62	68.20	13.58	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.85	-1.60	V	53.25	73.98	20.73	PK
11000	41.22	-1.60	V	39.62	53.98	14.36	AV
16500	53.55	-0.86	V	52.69	68.20	15.51	PK
11000	55.91	-1.60	H	54.31	73.98	19.67	PK
11000	41.42	-1.60	H	39.82	53.98	14.16	AV
16500	54.34	-0.86	H	53.48	68.20	14.72	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	56.10	-2.03	V	54.07	73.98	19.91	PK
11160	41.94	-2.03	V	39.91	53.98	14.07	AV
16740	53.16	0.18	V	53.34	68.20	14.86	PK
11160	56.57	-2.03	H	54.54	73.98	19.44	PK
11160	42.00	-2.03	H	39.97	53.98	14.01	AV
16740	53.34	0.18	H	53.52	68.20	14.68	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	53.69	-1.92	V	51.77	73.98	22.21	PK
11440	40.32	-1.92	V	38.40	53.98	15.58	AV
17160	52.55	2.19	V	54.74	68.20	13.46	PK
11440	54.45	-1.92	H	52.53	73.98	21.45	PK
11440	40.40	-1.92	H	38.48	53.98	15.50	AV
17160	52.65	2.19	H	54.84	68.20	13.36	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.70	-1.60	V	53.10	73.98	20.88	PK
11000	41.34	-1.60	V	39.74	53.98	14.24	AV
16500	52.95	-0.86	V	52.09	68.20	16.11	PK
11000	55.37	-1.60	H	53.77	73.98	20.21	PK
11000	41.38	-1.60	H	39.78	53.98	14.20	AV
16500	54.17	-0.86	H	53.31	68.20	14.89	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	55.57	-2.03	V	53.54	73.98	20.44	PK
11160	41.99	-2.03	V	39.96	53.98	14.02	AV
16740	53.22	0.18	V	53.40	68.20	14.80	PK
11160	56.48	-2.03	H	54.45	73.98	19.53	PK
11160	42.14	-2.03	H	40.11	53.98	13.87	AV
16740	53.16	0.18	H	53.34	68.20	14.86	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	53.54	-1.92	V	51.62	73.98	22.36	PK
11440	40.38	-1.92	V	38.46	53.98	15.52	AV
17160	52.51	2.19	V	54.70	68.20	13.50	PK
11440	54.15	-1.92	H	52.23	73.98	21.75	PK
11440	40.45	-1.92	H	38.53	53.98	15.45	AV
17160	52.47	2.19	H	54.66	68.20	13.54	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	54.34	-1.98	V	52.36	73.98	21.62	PK
11020	40.14	-1.98	V	38.16	53.98	15.82	AV
16530	52.17	-1.57	V	50.60	68.20	17.60	PK
11020	54.42	-1.98	H	52.44	73.98	21.54	PK
11020	40.20	-1.98	H	38.22	53.98	15.76	AV
16530	53.25	-1.57	H	51.68	68.20	16.52	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	53.78	-2.32	V	51.46	73.98	22.52	PK
11100	39.85	-2.32	V	37.53	53.98	16.45	AV
16650	52.14	-1.17	V	50.97	68.20	17.23	PK
11100	54.26	-2.32	H	51.94	73.98	22.04	PK
11100	39.94	-2.32	H	37.62	53.98	16.36	AV
16650	53.11	-1.17	H	51.94	68.20	16.26	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	54.92	-2.23	V	52.69	73.98	21.29	PK
11420	40.11	-2.23	V	37.88	53.98	16.10	AV
17130	52.14	1.75	V	53.89	68.20	14.31	PK
11420	55.23	-2.23	H	53.00	73.98	20.98	PK
11420	40.18	-2.23	H	37.95	53.98	16.03	AV
17130	53.07	1.75	H	54.82	68.20	13.38	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	54.62	-1.98	V	52.64	73.98	21.34	PK
11020	40.18	-1.98	V	38.20	53.98	15.78	AV
16530	52.94	-1.57	V	51.37	68.20	16.83	PK
11020	54.16	-1.98	H	52.18	73.98	21.80	PK
11020	40.15	-1.98	H	38.17	53.98	15.81	AV
16530	53.11	-1.57	H	51.54	68.20	16.66	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	53.80	-2.32	V	51.48	73.98	22.50	PK
11100	39.84	-2.32	V	37.52	53.98	16.46	AV
16650	52.34	-1.17	V	51.17	68.20	17.03	PK
11100	54.22	-2.32	H	51.90	73.98	22.08	PK
11100	39.87	-2.32	H	37.55	53.98	16.43	AV
16650	53.16	-1.17	H	51.99	68.20	16.21	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	54.67	-2.23	V	52.44	73.98	21.54	PK
11420	40.06	-2.23	V	37.83	53.98	16.15	AV
17130	52.96	1.75	V	54.71	68.20	13.49	PK
11420	54.96	-2.23	H	52.73	73.98	21.25	PK
11420	40.11	-2.23	H	37.88	53.98	16.10	AV
17130	53.18	1.75	H	54.93	68.20	13.27	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	53.00	-2.21	V	50.79	73.98	23.19	PK
11060	39.78	-2.21	V	37.57	53.98	16.41	AV
16590	52.28	-0.60	V	51.68	68.20	16.52	PK
11060	53.72	-2.21	H	51.51	73.98	22.47	PK
11060	39.86	-2.21	H	37.65	53.98	16.33	AV
16590	53.17	-0.60	H	52.57	68.20	15.63	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	53.95	-2.08	V	51.87	73.98	22.11	PK
11380	39.86	-2.08	V	37.78	53.98	16.20	AV
17070	51.96	1.67	V	53.63	68.20	14.57	PK
11380	53.98	-2.08	H	51.90	73.98	22.08	PK
11380	39.97	-2.08	H	37.89	53.98	16.09	AV
17070	52.16	1.67	H	53.83	68.20	14.37	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	56.86	-2.50	V	54.36	73.98	19.62	PK
11490	42.66	-2.50	V	40.16	53.98	13.82	AV
17235	53.32	3.09	V	56.41	68.20	11.79	PK
11490	56.50	-2.50	H	54.00	73.98	19.98	PK
11490	42.56	-2.50	H	40.06	53.98	13.92	AV
17235	53.18	3.09	H	56.27	68.20	11.93	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	55.71	-2.87	V	52.84	73.98	21.14	PK
11570	42.06	-2.87	V	39.19	53.98	14.79	AV
17355	52.37	3.45	V	55.82	68.20	12.38	PK
11570	55.54	-2.87	H	52.67	73.98	21.31	PK
11570	41.66	-2.87	H	38.79	53.98	15.19	AV
17355	51.90	3.45	H	55.35	68.20	12.85	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	55.99	-2.84	V	53.15	73.98	20.83	PK
11650	41.55	-2.84	V	38.71	53.98	15.27	AV
17475	51.74	5.68	V	57.42	68.20	10.78	PK
11650	54.69	-2.84	H	51.85	73.98	22.13	PK
11650	40.75	-2.84	H	37.91	53.98	16.07	AV
17475	50.59	5.68	H	56.27	68.20	11.93	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	57.13	-2.50	V	54.63	73.98	19.35	PK
11490	42.60	-2.50	V	40.10	53.98	13.88	AV
17235	53.21	3.09	V	56.30	68.20	11.90	PK
11490	56.87	-2.50	H	54.37	73.98	19.61	PK
11490	42.44	-2.50	H	39.94	53.98	14.04	AV
17235	53.14	3.09	H	56.23	68.20	11.97	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	56.77	-2.87	V	53.90	73.98	20.08	PK
11570	41.76	-2.87	V	38.89	53.98	15.09	AV
17355	51.21	3.45	V	54.66	68.20	13.54	PK
11570	56.11	-2.87	H	53.24	73.98	20.74	PK
11570	41.35	-2.87	H	38.48	53.98	15.50	AV
17355	51.10	3.45	H	54.55	68.20	13.65	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	56.09	-2.84	V	53.25	73.98	20.73	PK
11650	41.35	-2.84	V	38.51	53.98	15.47	AV
17475	52.02	5.68	V	57.70	68.20	10.50	PK
11650	55.22	-2.84	H	52.38	73.98	21.60	PK
11650	40.51	-2.84	H	37.67	53.98	16.31	AV
17475	51.46	5.68	H	57.14	68.20	11.06	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	57.18	-2.50	V	54.68	73.98	19.30	PK
11490	42.50	-2.50	V	40.00	53.98	13.98	AV
17235	54.20	3.09	V	57.29	68.20	10.91	PK
11490	56.52	-2.50	H	54.02	73.98	19.96	PK
11490	42.47	-2.50	H	39.97	53.98	14.01	AV
17235	53.41	3.09	H	56.50	68.20	11.70	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	56.51	-2.87	V	53.64	73.98	20.34	PK
11570	41.59	-2.87	V	38.72	53.98	15.26	AV
17355	51.22	3.45	V	54.67	68.20	13.53	PK
11570	56.21	-2.87	H	53.34	73.98	20.64	PK
11570	41.15	-2.87	H	38.28	53.98	15.70	AV
17355	50.97	3.45	H	54.42	68.20	13.78	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	55.27	-2.84	V	52.43	73.98	21.55	PK
11650	41.32	-2.84	V	38.48	53.98	15.50	AV
17475	52.18	5.68	V	57.86	68.20	10.34	PK
11650	54.89	-2.84	H	52.05	73.98	21.93	PK
11650	40.19	-2.84	H	37.35	53.98	16.63	AV
17475	51.56	5.68	H	57.24	68.20	10.96	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII3
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	54.45	-2.55	V	51.90	73.98	22.08	PK
11510	40.50	-2.55	V	37.95	53.98	16.03	AV
17265	52.22	3.10	V	55.32	68.20	12.88	PK
11510	53.37	-2.55	H	50.82	73.98	23.16	PK
11510	40.28	-2.55	H	37.73	53.98	16.25	AV
17265	51.86	3.10	H	54.96	68.20	13.24	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	53.74	-3.29	V	50.45	73.98	23.53	PK
11590	40.08	-3.29	V	36.79	53.98	17.19	AV
17385	51.29	4.19	V	55.48	68.20	12.72	PK
11590	52.86	-3.29	H	49.57	73.98	24.41	PK
11590	39.25	-3.29	H	35.96	53.98	18.02	AV
17385	51.25	4.19	H	55.44	68.20	12.76	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	54.37	-2.55	V	51.82	73.98	22.16	PK
11510	40.48	-2.55	V	37.93	53.98	16.05	AV
17265	52.01	3.10	V	55.11	68.20	13.09	PK
11510	53.49	-2.55	H	50.94	73.98	23.04	PK
11510	40.30	-2.55	H	37.75	53.98	16.23	AV
17265	51.99	3.10	H	55.09	68.20	13.11	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	53.78	-3.29	V	50.49	73.98	23.49	PK
11590	40.00	-3.29	V	36.71	53.98	17.27	AV
17385	51.72	4.19	V	55.91	68.20	12.29	PK
11590	52.74	-3.29	H	49.45	73.98	24.53	PK
11590	39.21	-3.29	H	35.92	53.98	18.06	AV
17385	51.28	4.19	H	55.47	68.20	12.73	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	53.37	-2.71	V	50.66	73.98	23.32	PK
11550	39.44	-2.71	V	36.73	53.98	17.25	AV
17325	53.03	3.44	V	56.47	68.20	11.73	PK
11550	52.64	-2.71	H	49.93	73.98	24.05	PK
11550	38.77	-2.71	H	36.06	53.98	17.92	AV
17325	51.81	3.44	H	55.25	68.20	12.95	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

[MIMO]

Above 1 GHz

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	58.90	-2.75	V	56.15	68.20	12.05	PK
15540	52.37	-1.23	V	51.14	73.98	22.84	PK
15540	39.00	-1.23	V	37.77	53.98	16.21	AV
10360	59.26	-2.75	H	56.51	68.20	11.69	PK
15540	53.04	-1.23	H	51.81	73.98	22.17	PK
15540	39.03	-1.23	H	37.80	53.98	16.18	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	58.96	-2.60	V	56.36	68.20	11.84	PK
15600	52.90	-2.26	V	50.64	73.98	23.34	PK
15600	39.24	-2.26	V	36.98	53.98	17.00	AV
10400	59.25	-2.60	H	56.65	68.20	11.55	PK
15600	53.11	-2.26	H	50.85	73.98	23.13	PK
15600	39.31	-2.26	H	37.05	53.98	16.93	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	57.92	-3.54	V	54.38	68.20	13.82	PK
15720	53.16	-2.64	V	50.52	73.98	23.46	PK
15720	40.21	-2.64	V	37.57	53.98	16.41	AV
10480	58.39	-3.54	H	54.85	68.20	13.35	PK
15720	53.66	-2.64	H	51.02	73.98	22.96	PK
15720	40.27	-2.64	H	37.63	53.98	16.35	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	58.55	-2.75	V	55.80	68.20	12.40	PK
15540	52.25	-1.23	V	51.02	73.98	22.96	PK
15540	39.10	-1.23	V	37.87	53.98	16.11	AV
10360	59.33	-2.75	H	56.58	68.20	11.62	PK
15540	52.69	-1.23	H	51.46	73.98	22.52	PK
15540	39.13	-1.23	H	37.90	53.98	16.08	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	58.42	-2.60	V	55.82	68.20	12.38	PK
15600	52.90	-2.26	V	50.64	73.98	23.34	PK
15600	39.21	-2.26	V	36.95	53.98	17.03	AV
10400	58.95	-2.60	H	56.35	68.20	11.85	PK
15600	53.09	-2.26	H	50.83	73.98	23.15	PK
15600	39.33	-2.26	H	37.07	53.98	16.91	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	58.31	-3.54	V	54.77	68.20	13.43	PK
15720	53.86	-2.64	V	51.22	73.98	22.76	PK
15720	40.27	-2.64	V	37.63	53.98	16.35	AV
10480	58.50	-3.54	H	54.96	68.20	13.24	PK
15720	53.99	-2.64	H	51.35	73.98	22.63	PK
15720	40.33	-2.64	H	37.69	53.98	16.29	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	58.95	-2.75	V	56.20	68.20	12.00	PK
15540	52.48	-1.23	V	51.25	73.98	22.73	PK
15540	38.81	-1.23	V	37.58	53.98	16.40	AV
10360	59.00	-2.75	H	56.25	68.20	11.95	PK
15540	52.84	-1.23	H	51.61	73.98	22.37	PK
15540	38.97	-1.23	H	37.74	53.98	16.24	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	58.67	-2.60	V	56.07	68.20	12.13	PK
15600	52.34	-2.26	V	50.08	73.98	23.90	PK
15600	39.16	-2.26	V	36.90	53.98	17.08	AV
10400	58.75	-2.60	H	56.15	68.20	12.05	PK
15600	52.63	-2.26	H	50.37	73.98	23.61	PK
15600	39.19	-2.26	H	36.93	53.98	17.05	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	57.94	-3.54	V	54.40	68.20	13.80	PK
15720	54.08	-2.64	V	51.44	73.98	22.54	PK
15720	40.40	-2.64	V	37.76	53.98	16.22	AV
10480	58.09	-3.54	H	54.55	68.20	13.65	PK
15720	54.17	-2.64	H	51.53	73.98	22.45	PK
15720	40.45	-2.64	H	37.81	53.98	16.17	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	53.81	-2.74	V	51.07	68.20	17.13	PK
15570	52.53	-1.95	V	50.58	73.98	23.40	PK
15570	38.75	-1.95	V	36.80	53.98	17.18	AV
10380	54.72	-2.74	H	51.98	68.20	16.22	PK
15570	52.94	-1.95	H	50.99	73.98	22.99	PK
15570	38.83	-1.95	H	36.88	53.98	17.10	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	55.27	-3.07	V	52.20	68.20	16.00	PK
15690	53.35	-0.73	V	52.62	73.98	21.36	PK
15690	40.23	-0.73	V	39.50	53.98	14.48	AV
10460	55.47	-3.07	H	52.40	68.20	15.80	PK
15690	54.56	-0.73	H	53.83	73.98	20.15	PK
15690	40.25	-0.73	H	39.52	53.98	14.46	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	54.10	-2.74	V	51.36	68.20	16.84	PK
15570	52.90	-1.95	V	50.95	73.98	23.03	PK
15570	38.81	-1.95	V	36.86	53.98	17.12	AV
10380	55.00	-2.74	H	52.26	68.20	15.94	PK
15570	53.21	-1.95	H	51.26	73.98	22.72	PK
15570	38.99	-1.95	H	37.04	53.98	16.94	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	55.36	-3.07	V	52.29	68.20	15.91	PK
15690	54.51	-0.73	V	53.78	73.98	20.20	PK
15690	40.18	-0.73	V	39.45	53.98	14.53	AV
10460	55.50	-3.07	H	52.43	68.20	15.77	PK
15690	54.62	-0.73	H	53.89	73.98	20.09	PK
15690	40.30	-0.73	H	39.57	53.98	14.41	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	54.36	-2.88	V	51.48	68.20	16.72	PK
15630	52.97	-1.88	V	51.09	73.98	22.89	PK
15630	39.31	-1.88	V	37.43	53.98	16.55	AV
10420	55.03	-2.88	H	52.15	68.20	16.05	PK
15630	53.29	-1.88	H	51.41	73.98	22.57	PK
15630	39.45	-1.88	H	37.57	53.98	16.41	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer MCS Index:	6 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	55.56	-2.97	V	52.59	68.20	15.61	PK
15780	53.08	-1.86	V	51.22	73.98	22.76	PK
15780	39.70	-1.86	V	37.84	53.98	16.14	AV
10520	56.52	-2.97	H	53.55	68.20	14.65	PK
15780	53.22	-1.86	H	51.36	73.98	22.62	PK
15780	39.84	-1.86	H	37.98	53.98	16.00	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	57.64	-3.22	V	54.42	73.98	19.56	PK
10600	42.80	-3.22	V	39.58	53.98	14.40	AV
15900	53.31	-2.44	V	50.87	73.98	23.11	PK
15900	39.93	-2.44	V	37.49	53.98	16.49	AV
10600	58.14	-3.22	H	54.92	73.98	19.06	PK
10600	42.89	-3.22	H	39.67	53.98	14.31	AV
15900	53.42	-2.44	H	50.98	73.98	23.00	PK
15900	39.97	-2.44	H	37.53	53.98	16.45	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	56.92	-3.27	V	53.65	73.98	20.33	PK
10640	43.30	-3.27	V	40.03	53.98	13.95	AV
15960	52.46	-2.89	V	49.57	73.98	24.41	PK
15960	38.69	-2.89	V	35.80	53.98	18.18	AV
10640	58.02	-3.27	H	54.75	73.98	19.23	PK
10640	43.68	-3.27	H	40.41	53.98	13.57	AV
15960	52.62	-2.89	H	49.73	73.98	24.25	PK
15960	38.83	-2.89	H	35.94	53.98	18.04	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	56.10	-2.97	V	53.13	68.20	15.07	PK
15780	53.18	-1.86	V	51.32	73.98	22.66	PK
15780	39.71	-1.86	V	37.85	53.98	16.13	AV
10520	56.38	-2.97	H	53.41	68.20	14.79	PK
15780	53.27	-1.86	H	51.41	73.98	22.57	PK
15780	39.78	-1.86	H	37.92	53.98	16.06	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	56.70	-3.22	V	53.48	73.98	20.50	PK
10600	42.10	-3.22	V	38.88	53.98	15.10	AV
15900	53.46	-2.44	V	51.02	73.98	22.96	PK
15900	39.80	-2.44	V	37.36	53.98	16.62	AV
10600	56.98	-3.22	H	53.76	73.98	20.22	PK
10600	42.21	-3.22	H	38.99	53.98	14.99	AV
15900	53.65	-2.44	H	51.21	73.98	22.77	PK
15900	39.91	-2.44	H	37.47	53.98	16.51	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	56.73	-3.27	V	53.46	73.98	20.52	PK
10640	42.86	-3.27	V	39.59	53.98	14.39	AV
15960	52.49	-2.89	V	49.60	73.98	24.38	PK
15960	38.77	-2.89	V	35.88	53.98	18.10	AV
10640	57.30	-3.27	H	54.03	73.98	19.95	PK
10640	42.90	-3.27	H	39.63	53.98	14.35	AV
15960	53.12	-2.89	H	50.23	73.98	23.75	PK
15960	38.84	-2.89	H	35.95	53.98	18.03	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	53.28	-2.97	V	50.31	68.20	17.89	PK
15780	53.16	-1.86	V	51.30	73.98	22.68	PK
15780	39.74	-1.86	V	37.88	53.98	16.10	AV
10520	56.36	-2.97	H	53.39	68.20	14.81	PK
15780	53.31	-1.86	H	51.45	73.98	22.53	PK
15780	39.88	-1.86	H	38.02	53.98	15.96	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	55.89	-3.22	V	52.67	73.98	21.31	PK
10600	42.20	-3.22	V	38.98	53.98	15.00	AV
15900	53.15	-2.44	V	50.71	73.98	23.27	PK
15900	39.89	-2.44	V	37.45	53.98	16.53	AV
10600	56.47	-3.22	H	53.25	73.98	20.73	PK
10600	42.31	-3.22	H	39.09	53.98	14.89	AV
15900	53.29	-2.44	H	50.85	73.98	23.13	PK
15900	39.97	-2.44	H	37.53	53.98	16.45	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	56.88	-3.27	V	53.61	73.98	20.37	PK
10640	42.82	-3.27	V	39.55	53.98	14.43	AV
15960	52.47	-2.89	V	49.58	73.98	24.40	PK
15960	38.50	-2.89	V	35.61	53.98	18.37	AV
10640	57.38	-3.27	H	54.11	73.98	19.87	PK
10640	42.89	-3.27	H	39.62	53.98	14.36	AV
15960	53.78	-2.89	H	50.89	73.98	23.09	PK
15960	38.85	-2.89	H	35.96	53.98	18.02	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	54.55	-2.73	V	51.82	68.20	16.38	PK
15810	53.53	-2.52	V	51.01	73.98	22.97	PK
15810	40.13	-2.52	V	37.61	53.98	16.37	AV
10540	54.87	-2.73	H	52.14	68.20	16.06	PK
15810	53.58	-2.52	H	51.06	73.98	22.92	PK
15810	40.21	-2.52	H	37.69	53.98	16.29	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	53.64	-3.38	V	50.26	73.98	23.72	PK
10620	40.24	-3.38	V	36.86	53.98	17.12	AV
15930	53.25	-2.78	V	50.47	73.98	23.51	PK
15930	39.85	-2.78	V	37.07	53.98	16.91	AV
10620	54.71	-3.38	H	51.33	73.98	22.65	PK
10620	40.30	-3.38	H	36.92	53.98	17.06	AV
15930	53.80	-2.78	H	51.02	73.98	22.96	PK
15930	39.99	-2.78	H	37.21	53.98	16.77	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	53.88	-2.73	V	51.15	68.20	17.05	PK
15810	53.56	-2.52	V	51.04	73.98	22.94	PK
15810	40.25	-2.52	V	37.73	53.98	16.25	AV
10540	53.92	-2.73	H	51.19	68.20	17.01	PK
15810	53.64	-2.52	H	51.12	73.98	22.86	PK
15810	40.23	-2.52	H	37.71	53.98	16.27	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	53.54	-3.38	V	50.16	73.98	23.82	PK
10620	40.19	-3.38	V	36.81	53.98	17.17	AV
15930	53.19	-2.78	V	50.41	73.98	23.57	PK
15930	39.79	-2.78	V	37.01	53.98	16.97	AV
10620	54.63	-3.38	H	51.25	73.98	22.73	PK
10620	40.26	-3.38	H	36.88	53.98	17.10	AV
15930	53.77	-2.78	H	50.99	73.98	22.99	PK
15930	39.86	-2.78	H	37.08	53.98	16.90	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	54.35	-3.21	V	51.14	68.20	17.06	PK
15870	52.66	-2.62	V	50.04	73.98	23.94	PK
15870	39.10	-2.62	V	36.48	53.98	17.50	AV
10580	54.56	-3.21	H	51.35	68.20	16.85	PK
15870	53.24	-2.62	H	50.62	73.98	23.36	PK
15870	39.09	-2.62	H	36.47	53.98	17.51	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	56.56	-1.60	V	54.96	73.98	19.02	PK
11000	42.00	-1.60	V	40.40	53.98	13.58	AV
16500	52.92	-0.86	V	52.06	68.20	16.14	PK
11000	57.21	-1.60	H	55.61	73.98	18.37	PK
11000	42.66	-1.60	H	41.06	53.98	12.92	AV
16500	53.57	-0.86	H	52.71	68.20	15.49	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	56.61	-2.03	V	54.58	73.98	19.40	PK
11160	43.00	-2.03	V	40.97	53.98	13.01	AV
16740	52.57	0.18	V	52.75	68.20	15.45	PK
11160	57.22	-2.03	H	55.19	73.98	18.79	PK
11160	43.21	-2.03	H	41.18	53.98	12.80	AV
16740	54.23	0.18	H	54.41	68.20	13.79	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	54.42	-1.92	V	52.50	73.98	21.48	PK
11440	40.94	-1.92	V	39.02	53.98	14.96	AV
17160	52.60	2.19	V	54.79	68.20	13.41	PK
11440	55.33	-1.92	H	53.41	73.98	20.57	PK
11440	41.18	-1.92	H	39.26	53.98	14.72	AV
17160	52.80	2.19	H	54.99	68.20	13.21	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	56.55	-1.60	V	54.95	73.98	19.03	PK
11000	42.80	-1.60	V	41.20	53.98	12.78	AV
16500	53.52	-0.86	V	52.66	68.20	15.54	PK
11000	57.45	-1.60	H	55.85	73.98	18.13	PK
11000	43.06	-1.60	H	41.46	53.98	12.52	AV
16500	53.66	-0.86	H	52.80	68.20	15.40	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	57.10	-2.03	V	55.07	73.98	18.91	PK
11160	42.33	-2.03	V	40.30	53.98	13.68	AV
16740	52.75	0.18	V	52.93	68.20	15.27	PK
11160	58.01	-2.03	H	55.98	73.98	18.00	PK
11160	42.65	-2.03	H	40.62	53.98	13.36	AV
16740	53.08	0.18	H	53.26	68.20	14.94	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	54.63	-1.92	V	52.71	73.98	21.27	PK
11440	41.10	-1.92	V	39.18	53.98	14.80	AV
17160	52.36	2.19	V	54.55	68.20	13.65	PK
11440	55.28	-1.92	H	53.36	73.98	20.62	PK
11440	41.25	-1.92	H	39.33	53.98	14.65	AV
17160	52.74	2.19	H	54.93	68.20	13.27	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	57.81	-1.60	V	56.21	73.98	17.77	PK
11000	42.74	-1.60	V	41.14	53.98	12.84	AV
16500	53.55	-0.86	V	52.69	68.20	15.51	PK
11000	58.44	-1.60	H	56.84	73.98	17.14	PK
11000	43.07	-1.60	H	41.47	53.98	12.51	AV
16500	53.97	-0.86	H	53.11	68.20	15.09	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	56.10	-2.03	V	54.07	73.98	19.91	PK
11160	42.23	-2.03	V	40.20	53.98	13.78	AV
16740	52.72	0.18	V	52.90	68.20	15.30	PK
11160	58.08	-2.03	H	56.05	73.98	17.93	PK
11160	42.66	-2.03	H	40.63	53.98	13.35	AV
16740	53.40	0.18	H	53.58	68.20	14.62	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	54.77	-1.92	V	52.85	73.98	21.13	PK
11440	40.98	-1.92	V	39.06	53.98	14.92	AV
17160	51.89	2.19	V	54.08	68.20	14.12	PK
11440	55.31	-1.92	H	53.39	73.98	20.59	PK
11440	41.28	-1.92	H	39.36	53.98	14.62	AV
17160	52.38	2.19	H	54.57	68.20	13.63	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	53.56	-1.98	V	51.58	73.98	22.40	PK
11020	40.15	-1.98	V	38.17	53.98	15.81	AV
16530	52.49	-1.57	V	50.92	68.20	17.28	PK
11020	53.95	-1.98	H	51.97	73.98	22.01	PK
11020	40.35	-1.98	H	38.37	53.98	15.61	AV
16530	52.51	-1.57	H	50.94	68.20	17.26	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	54.19	-2.32	V	51.87	73.98	22.11	PK
11100	40.09	-2.32	V	37.77	53.98	16.21	AV
16650	52.60	-1.17	V	51.43	68.20	16.77	PK
11100	54.71	-2.32	H	52.39	73.98	21.59	PK
11100	40.25	-2.32	H	37.93	53.98	16.05	AV
16650	53.02	-1.17	H	51.85	68.20	16.35	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	54.48	-2.23	V	52.25	73.98	21.73	PK
11420	40.18	-2.23	V	37.95	53.98	16.03	AV
17130	51.79	1.75	V	53.54	68.20	14.66	PK
11420	54.79	-2.23	H	52.56	73.98	21.42	PK
11420	40.32	-2.23	H	38.09	53.98	15.89	AV
17130	52.50	1.75	H	54.25	68.20	13.95	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	53.42	-1.98	V	51.44	73.98	22.54	PK
11020	40.10	-1.98	V	38.12	53.98	15.86	AV
16530	52.34	-1.57	V	50.77	68.20	17.43	PK
11020	53.66	-1.98	H	51.68	73.98	22.30	PK
11020	40.19	-1.98	H	38.21	53.98	15.77	AV
16530	52.48	-1.57	H	50.91	68.20	17.29	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	54.23	-2.32	V	51.91	73.98	22.07	PK
11100	40.05	-2.32	V	37.73	53.98	16.25	AV
16650	52.52	-1.17	V	51.35	68.20	16.85	PK
11100	54.68	-2.32	H	52.36	73.98	21.62	PK
11100	40.22	-2.32	H	37.90	53.98	16.08	AV
16650	52.88	-1.17	H	51.71	68.20	16.49	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	54.68	-2.23	V	52.45	73.98	21.53	PK
11420	40.09	-2.23	V	37.86	53.98	16.12	AV
17130	52.11	1.75	V	53.86	68.20	14.34	PK
11420	55.21	-2.23	H	52.98	73.98	21.00	PK
11420	40.42	-2.23	H	38.19	53.98	15.79	AV
17130	52.37	1.75	H	54.12	68.20	14.08	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	53.97	-2.21	V	51.76	73.98	22.22	PK
11060	40.07	-2.21	V	37.86	53.98	16.12	AV
16590	53.02	-0.60	V	52.42	68.20	15.78	PK
11060	54.59	-2.21	H	52.38	73.98	21.60	PK
11060	40.35	-2.21	H	38.14	53.98	15.84	AV
16590	53.61	-0.60	H	53.01	68.20	15.19	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	54.19	-2.08	V	52.11	73.98	21.87	PK
11380	40.19	-2.08	V	38.11	53.98	15.87	AV
17070	51.69	1.67	V	53.36	68.20	14.84	PK
11380	54.35	-2.08	H	52.27	73.98	21.71	PK
11380	40.28	-2.08	H	38.20	53.98	15.78	AV
17070	51.75	1.67	H	53.42	68.20	14.78	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	58.65	-2.50	V	56.15	73.98	17.83	PK
11490	44.67	-2.50	V	42.17	53.98	11.81	AV
17235	52.60	3.09	V	55.69	68.20	12.51	PK
11490	59.48	-2.50	H	56.98	73.98	17.00	PK
11490	45.00	-2.50	H	42.50	53.98	11.48	AV
17235	53.15	3.09	H	56.24	68.20	11.96	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	57.74	-2.87	V	54.87	73.98	19.11	PK
11570	43.90	-2.87	V	41.03	53.98	12.95	AV
17355	51.26	3.45	V	54.71	68.20	13.49	PK
11570	58.64	-2.87	H	55.77	73.98	18.21	PK
11570	44.16	-2.87	H	41.29	53.98	12.69	AV
17355	51.86	3.45	H	55.31	68.20	12.89	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	57.25	-2.84	V	54.41	73.98	19.57	PK
11650	43.50	-2.84	V	40.66	53.98	13.32	AV
17475	52.50	5.68	V	58.18	68.20	10.02	PK
11650	58.10	-2.84	H	55.26	73.98	18.72	PK
11650	43.78	-2.84	H	40.94	53.98	13.04	AV
17475	53.34	5.68	H	59.02	68.20	9.18	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	59.02	-2.50	V	56.52	73.98	17.46	PK
11490	44.62	-2.50	V	42.12	53.98	11.86	AV
17235	53.68	3.09	V	56.77	68.20	11.43	PK
11490	59.88	-2.50	H	57.38	73.98	16.60	PK
11490	44.95	-2.50	H	42.45	53.98	11.53	AV
17235	54.01	3.09	H	57.10	68.20	11.10	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	58.27	-2.87	V	55.40	73.98	18.58	PK
11570	43.80	-2.87	V	40.93	53.98	13.05	AV
17355	52.01	3.45	V	55.46	68.20	12.74	PK
11570	58.42	-2.87	H	55.55	73.98	18.43	PK
11570	43.99	-2.87	H	41.12	53.98	12.86	AV
17355	52.31	3.45	H	55.76	68.20	12.44	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	58.32	-2.84	V	55.48	73.98	18.50	PK
11650	43.65	-2.84	V	40.81	53.98	13.17	AV
17475	51.40	5.68	V	57.08	68.20	11.12	PK
11650	58.44	-2.84	H	55.60	73.98	18.38	PK
11650	43.73	-2.84	H	40.89	53.98	13.09	AV
17475	52.00	5.68	H	57.68	68.20	10.52	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	58.93	-2.50	V	56.43	73.98	17.55	PK
11490	44.69	-2.50	V	42.19	53.98	11.79	AV
17235	53.44	3.09	V	56.53	68.20	11.67	PK
11490	59.83	-2.50	H	57.33	73.98	16.65	PK
11490	44.91	-2.50	H	42.41	53.98	11.57	AV
17235	53.49	3.09	H	56.58	68.20	11.62	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	58.34	-2.87	V	55.47	73.98	18.51	PK
11570	43.95	-2.87	V	41.08	53.98	12.90	AV
17355	52.11	3.45	V	55.56	68.20	12.64	PK
11570	58.68	-2.87	H	55.81	73.98	18.17	PK
11570	44.12	-2.87	H	41.25	53.98	12.73	AV
17355	52.42	3.45	H	55.87	68.20	12.33	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	57.37	-2.84	V	54.53	73.98	19.45	PK
11650	43.49	-2.84	V	40.65	53.98	13.33	AV
17475	51.83	5.68	V	57.51	68.20	10.69	PK
11650	58.22	-2.84	H	55.38	73.98	18.60	PK
11650	43.78	-2.84	H	40.94	53.98	13.04	AV
17475	52.10	5.68	H	57.78	68.20	10.42	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII3
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	54.03	-2.55	V	51.48	73.98	22.50	PK
11510	40.48	-2.55	V	37.93	53.98	16.05	AV
17265	52.48	3.10	V	55.58	68.20	12.62	PK
11510	54.50	-2.55	H	51.95	73.98	22.03	PK
11510	40.56	-2.55	H	38.01	53.98	15.97	AV
17265	52.56	3.10	H	55.66	68.20	12.54	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	53.68	-3.29	V	50.39	73.98	23.59	PK
11590	39.90	-3.29	V	36.61	53.98	17.37	AV
17385	51.26	4.19	V	55.45	68.20	12.75	PK
11590	53.69	-3.29	H	50.40	73.98	23.58	PK
11590	40.06	-3.29	H	36.77	53.98	17.21	AV
17385	51.89	4.19	H	56.08	68.20	12.12	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	54.11	-2.55	V	51.56	73.98	22.42	PK
11510	40.52	-2.55	V	37.97	53.98	16.01	AV
17265	52.57	3.10	V	55.67	68.20	12.53	PK
11510	54.63	-2.55	H	52.08	73.98	21.90	PK
11510	40.49	-2.55	H	37.94	53.98	16.04	AV
17265	52.63	3.10	H	55.73	68.20	12.47	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	53.43	-3.29	V	50.14	73.98	23.84	PK
11590	40.01	-3.29	V	36.72	53.98	17.26	AV
17385	51.18	4.19	V	55.37	68.20	12.83	PK
11590	53.65	-3.29	H	50.36	73.98	23.62	PK
11590	40.09	-3.29	H	36.80	53.98	17.18	AV
17385	52.07	4.19	H	56.26	68.20	11.94	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	53.54	-2.71	V	50.83	73.98	23.15	PK
11550	39.71	-2.71	V	37.00	53.98	16.98	AV
17325	52.29	3.44	V	55.73	68.20	12.47	PK
11550	53.75	-2.71	H	51.04	73.98	22.94	PK
11550	39.72	-2.71	H	37.01	53.98	16.97	AV
17325	52.78	3.44	H	56.22	68.20	11.98	PK

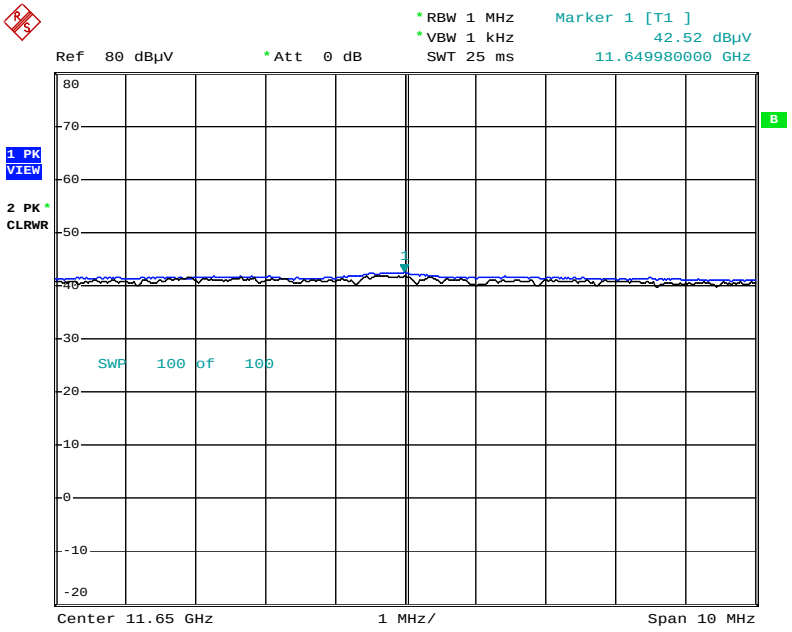
*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

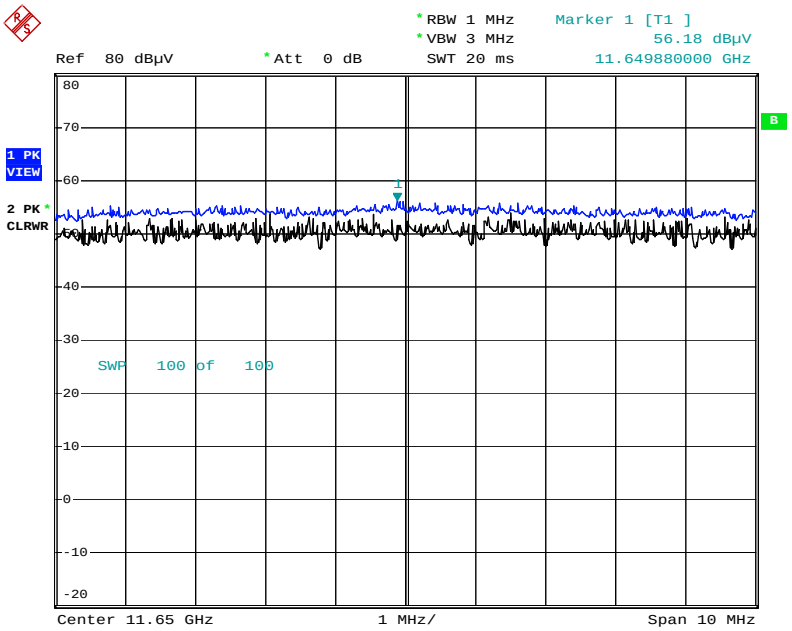
▣ RESULT PLOTS_Ant 0

Radiated Spurious Emissions plot –Average Reading (802.11a, Ch.165 2nd Harmonic, X-V)



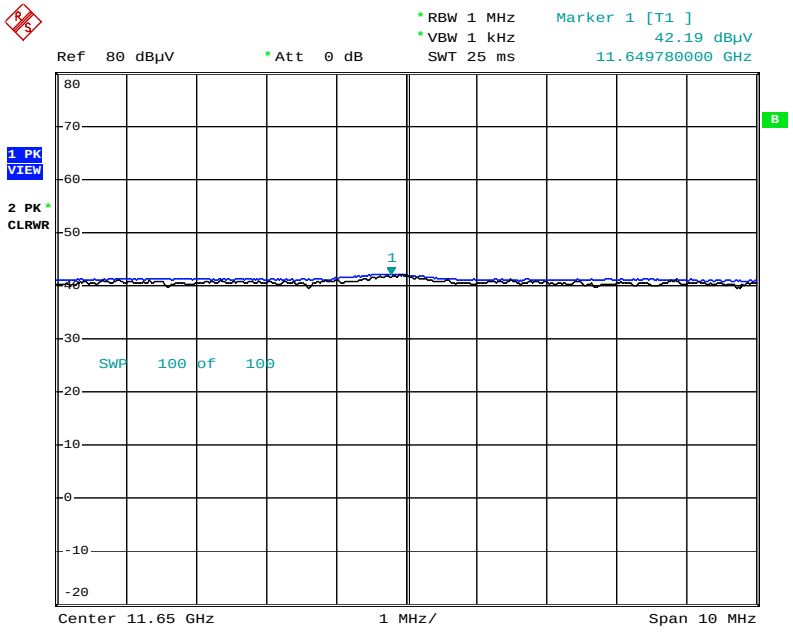
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Radiated Spurious Emissions plot –Peak Reading (802.11a, Ch.165 2nd Harmonic, X-V)



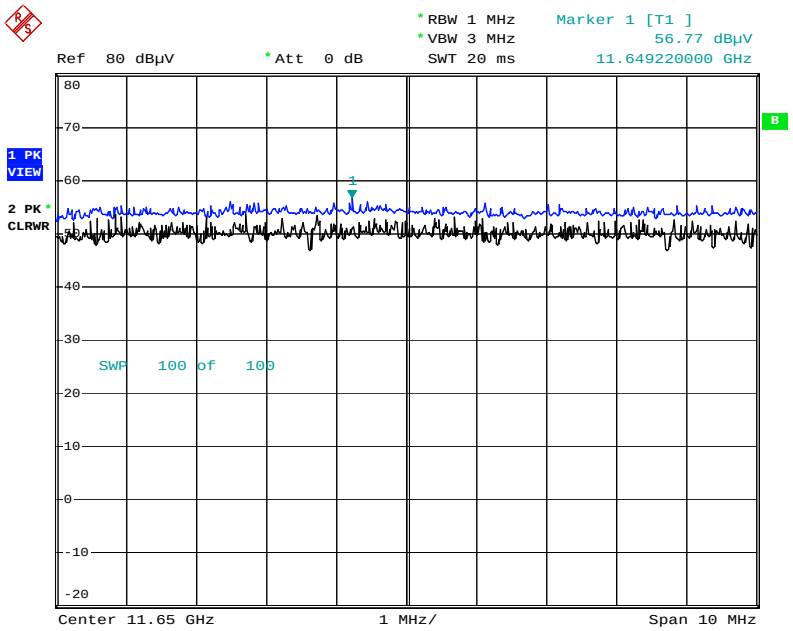
Date: 20.MAR.2017 19:22:13

Radiated Spurious Emissions plot – Average Reading(802.11n_HT20, Ch.165 2nd Harmonic, X-V)



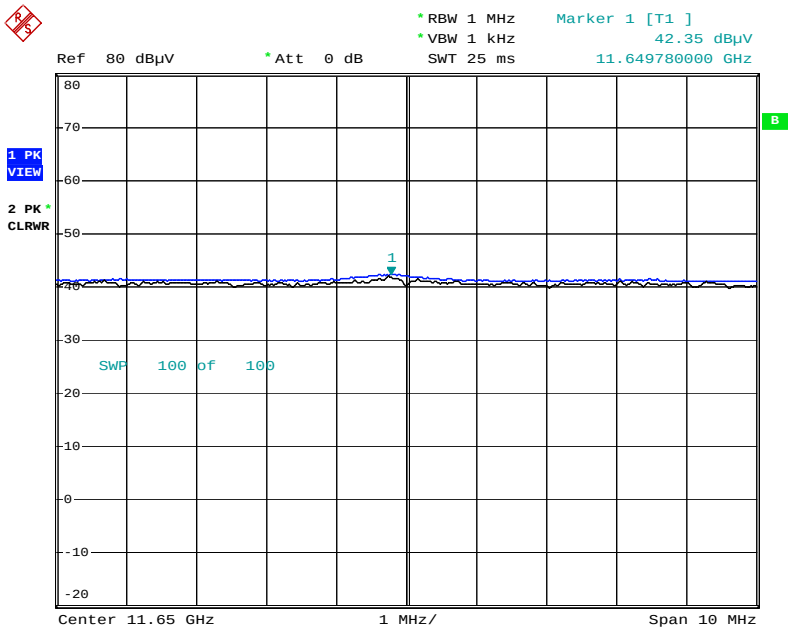
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Radiated Spurious Emissions plot – Peak Reading(802.11n_HT20, Ch.165 2nd Harmonic, X-V)



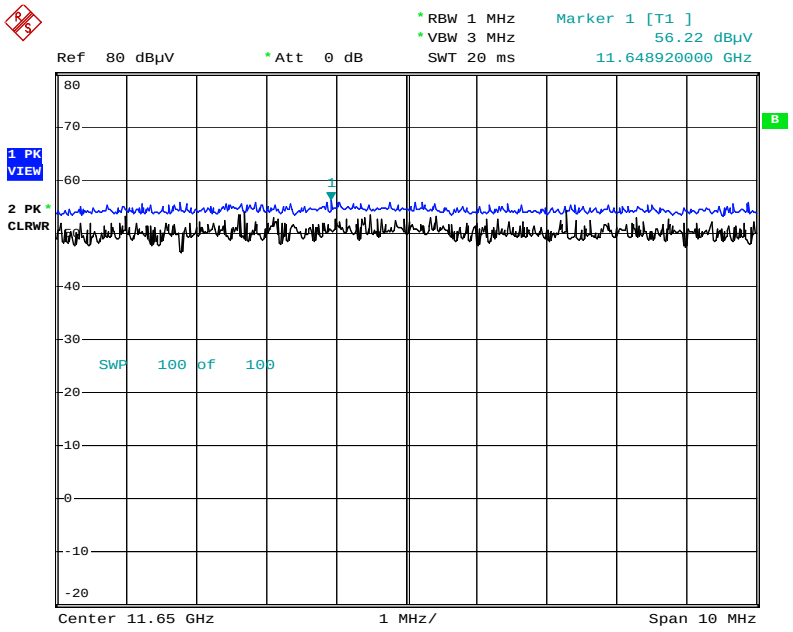
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Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT20, Ch.165 2nd Harmonic, X-V)



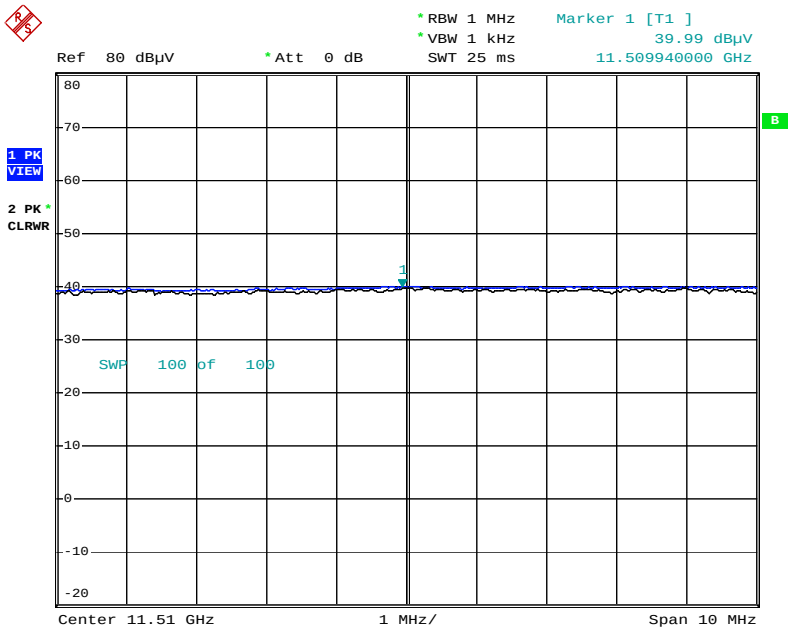
Date: 20.MAR.2017 19:26:01

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT20, Ch.165 2nd Harmonic, X-V)



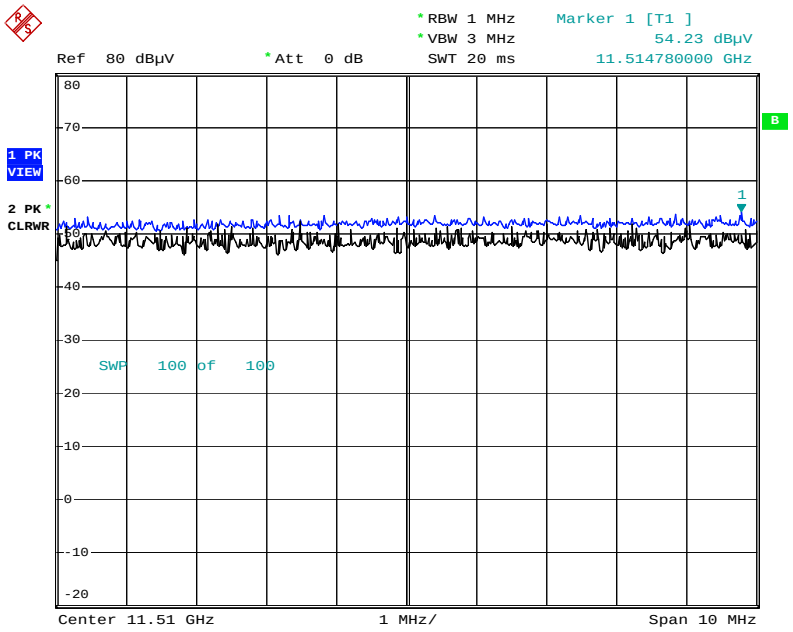
Date: 20.MAR.2017 19:26:43

Radiated Spurious Emissions plot – Average Reading (802.11n_HT40, Ch.151 2nd Harmonic, X-V)



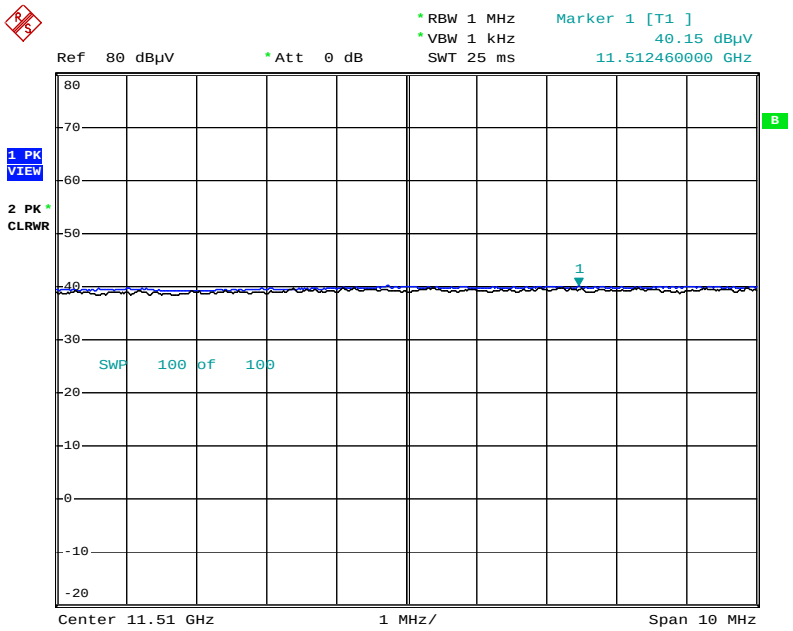
Date: 20.MAR.2017 19:29:12

Radiated Spurious Emissions plot – Peak Reading (802.11n_HT40, Ch.151 2nd Harmonic, X-V)



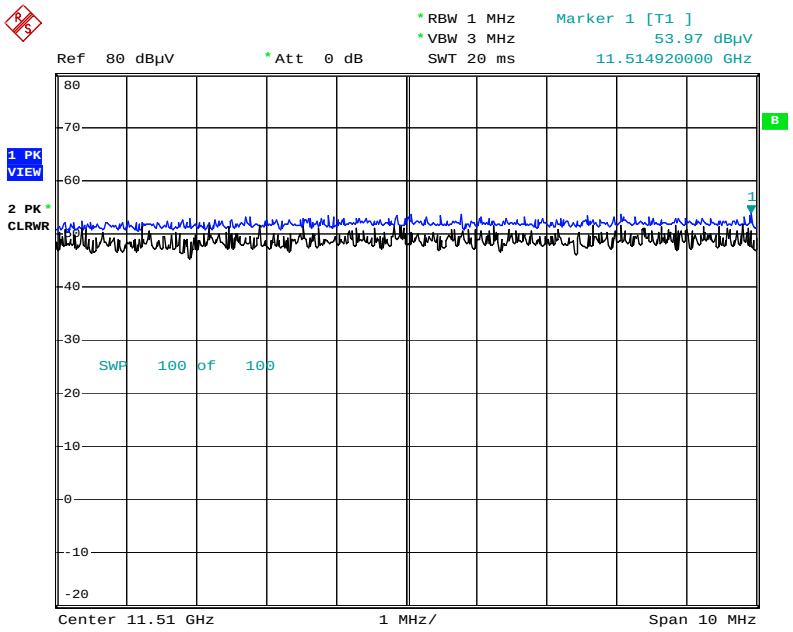
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Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT40, Ch.151 2nd Harmonic, X-V)



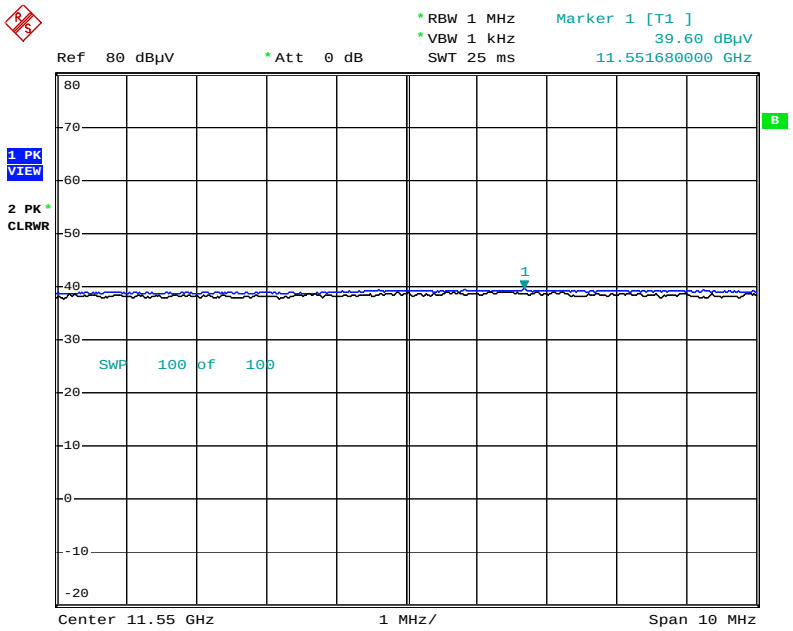
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Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT40, Ch.151 2nd Harmonic, X-V)



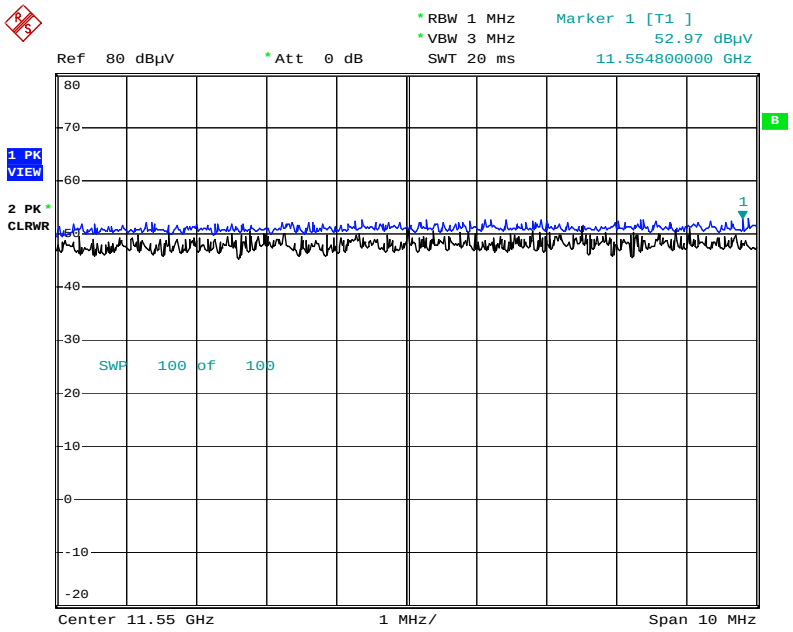
Date: 20.MAR.2017 19:30:38

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT80, Ch.155 2nd Harmonic, X-V)



Date: 20.MAR.2017 19:34:15

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT80, Ch.155 2nd Harmonic, X-V)

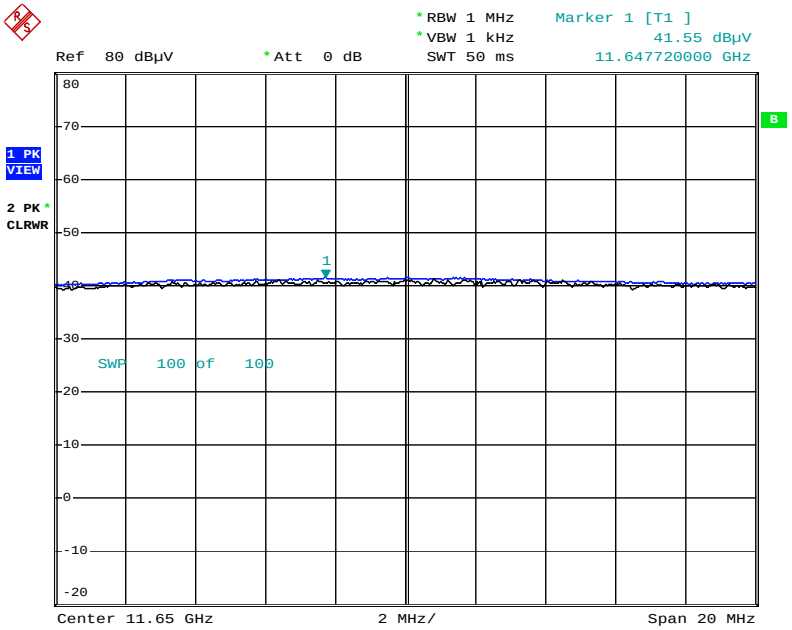


Date: 20.MAR.2017 19:33:34

Note : Only the worst case plots for Radiated Spurious Emissions.

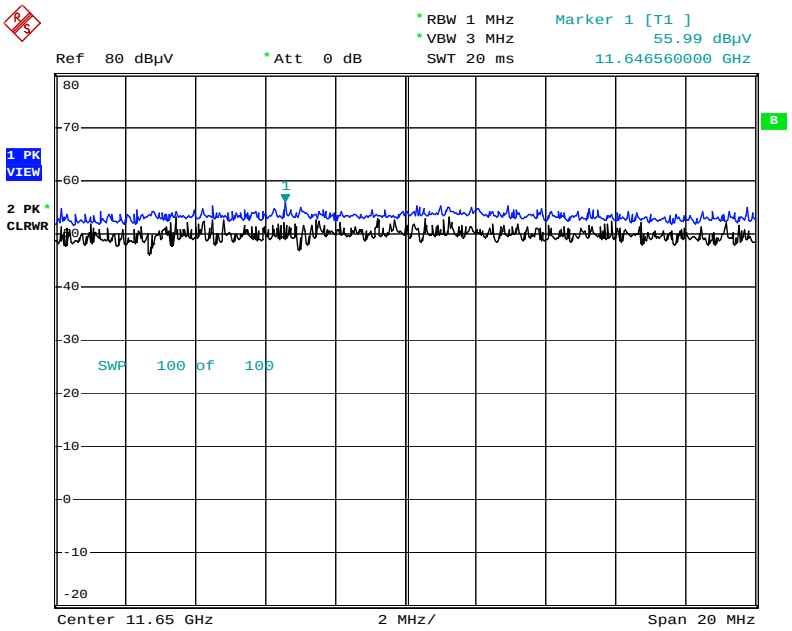
▣ RESULT PLOTS_Ant 1

Radiated Spurious Emissions plot –Average Reading (802.11a, Ch.165 2nd Harmonic, X-V)



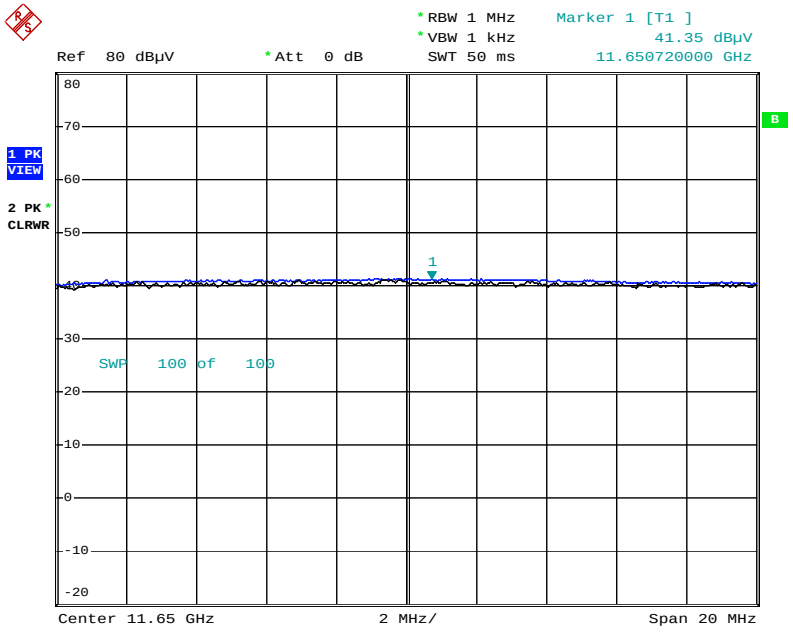
Date: 21.MAR.2017 15:19:07

Radiated Spurious Emissions plot –Peak Reading (802.11a, Ch.165 2nd Harmonic, X-V)



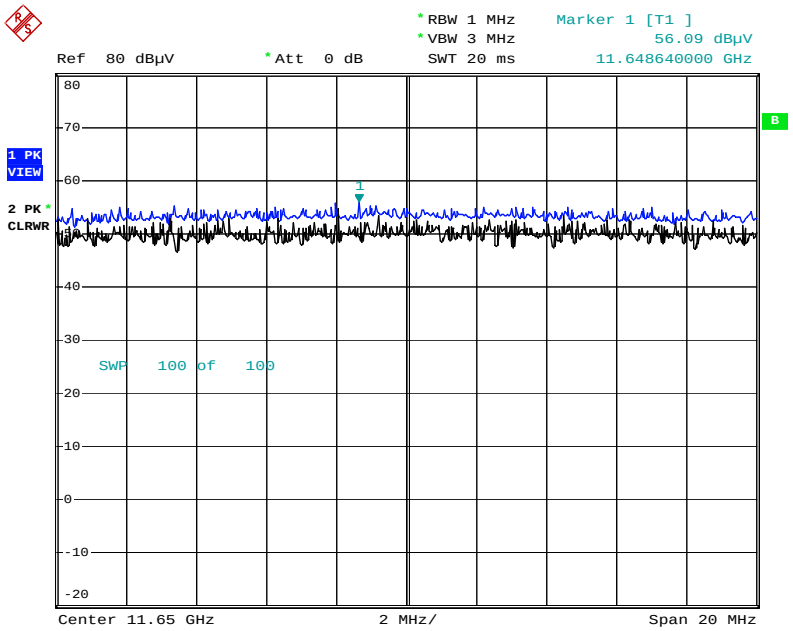
Date: 21.MAR.2017 15:19:47

Radiated Spurious Emissions plot – Average Reading(802.11n_HT20, Ch.165 2nd Harmonic, X-V)



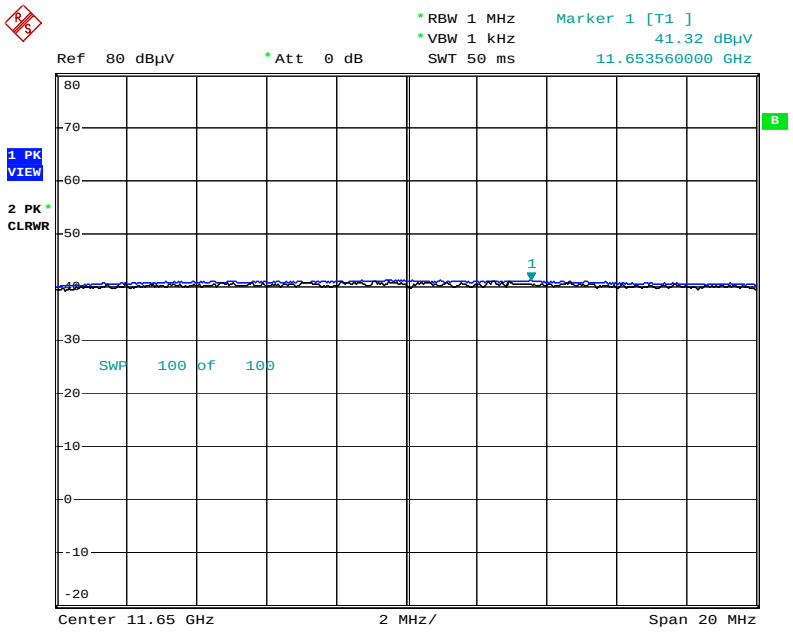
Date: 21.MAR.2017 15:21:43

Radiated Spurious Emissions plot – Peak Reading(802.11n_HT20, Ch.165 2nd Harmonic, X-V)



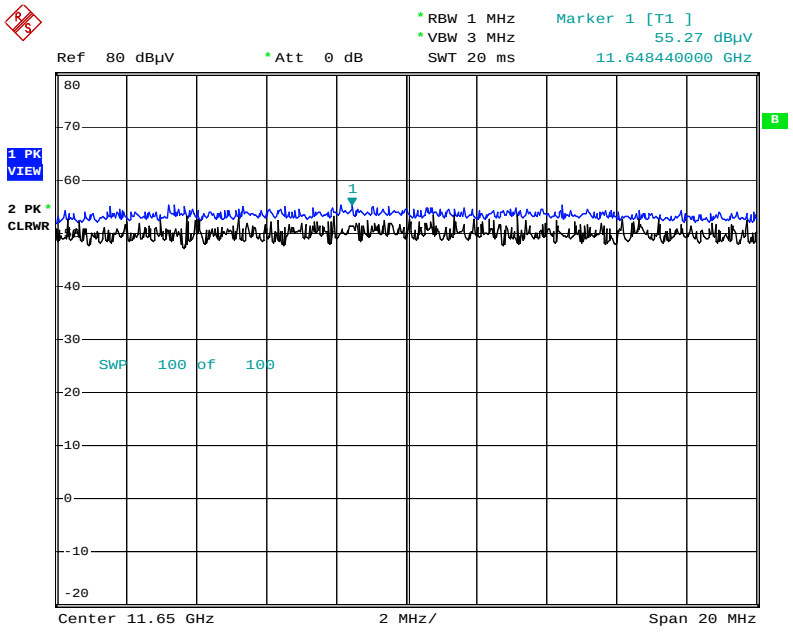
Date: 21.MAR.2017 15:21:17

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT20, Ch.165 2nd Harmonic, X-V)



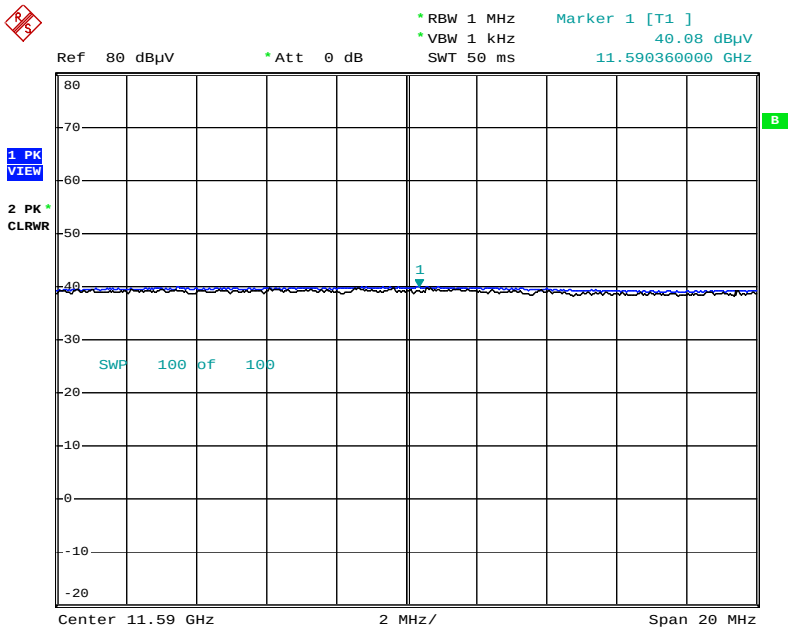
Date: 21.MAR.2017 15:22:29

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT20, Ch.165 2nd Harmonic, X-V)



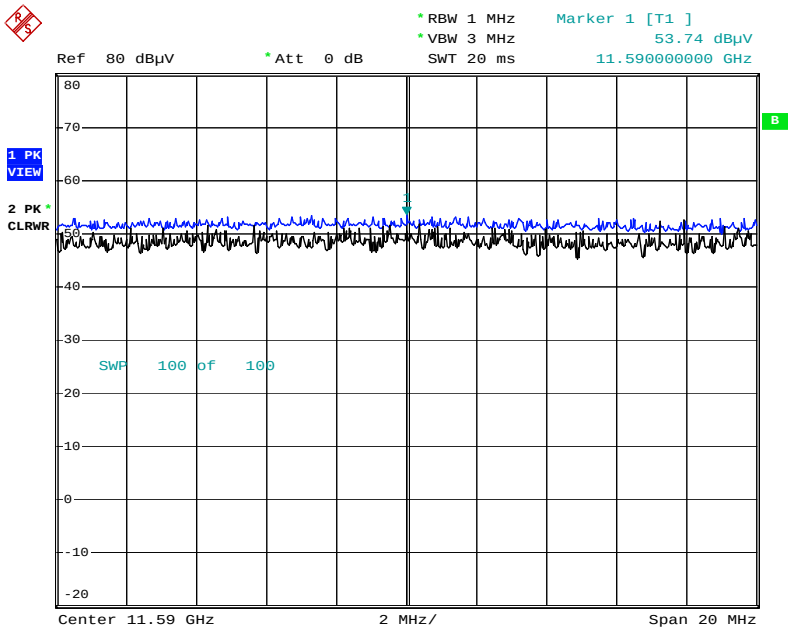
Date: 21.MAR.2017 15:22:53

Radiated Spurious Emissions plot – Average Reading (802.11n_HT40, Ch.159 2nd Harmonic, X-V)



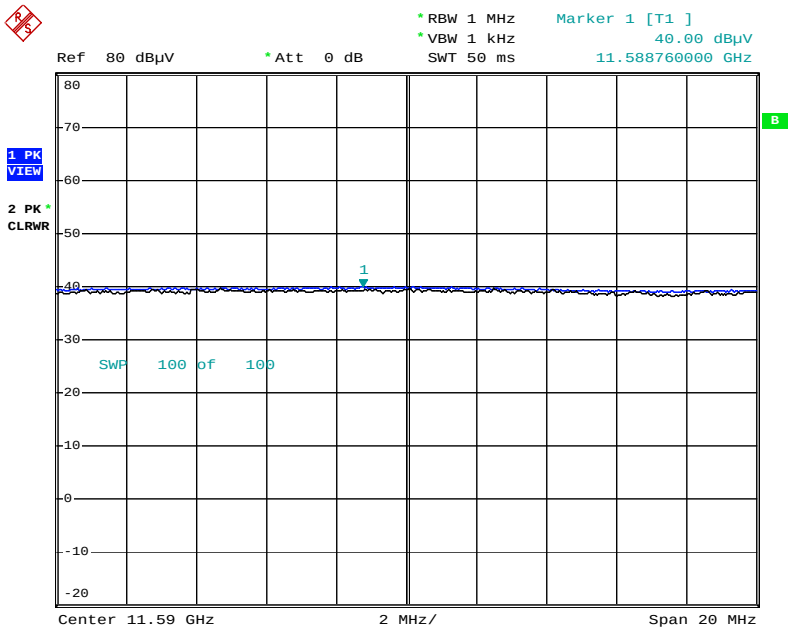
Date: 21.MAR.2017 15:25:23

Radiated Spurious Emissions plot – Peak Reading (802.11n_HT40, Ch.159 2nd Harmonic, X-V)



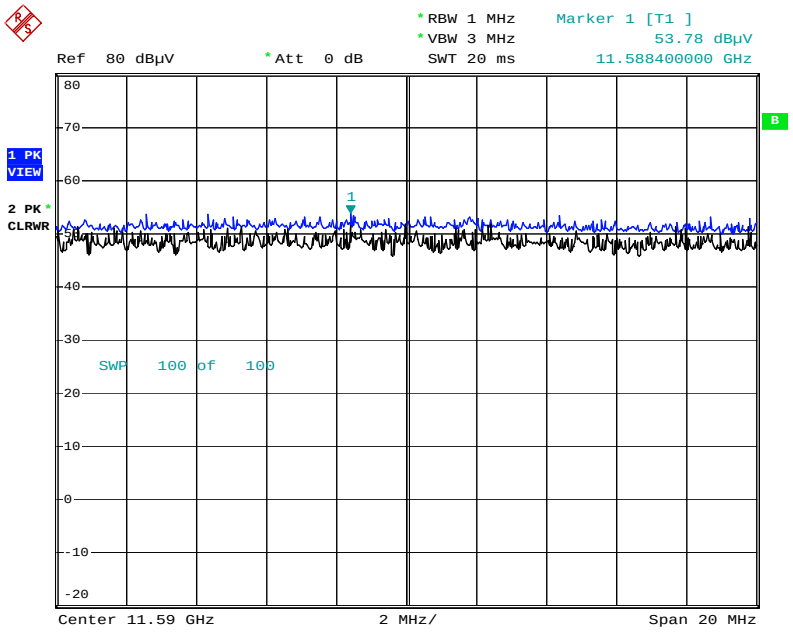
Date: 21.MAR.2017 15:25:00

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT40, Ch.159 2nd Harmonic, X-V)



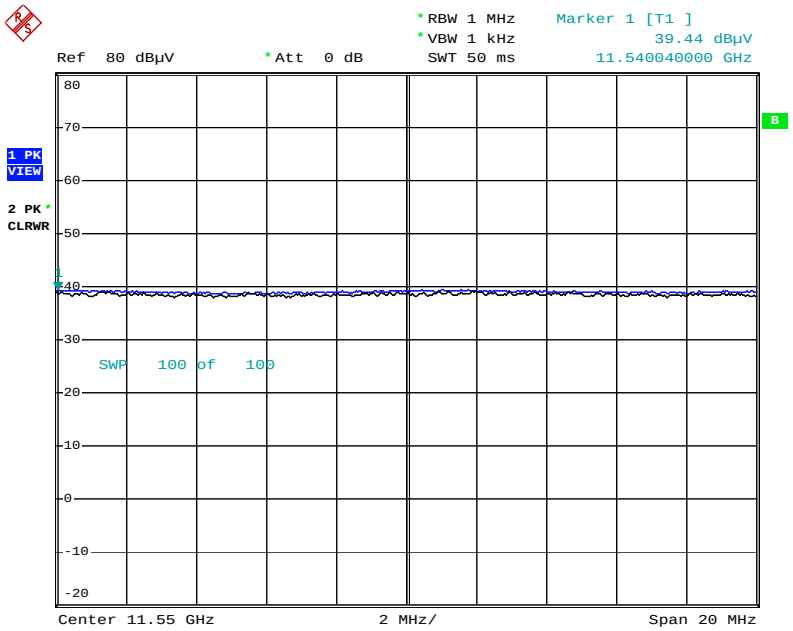
Date: 21.MAR.2017 15:26:16

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT40, Ch.159 2nd Harmonic, X-V)



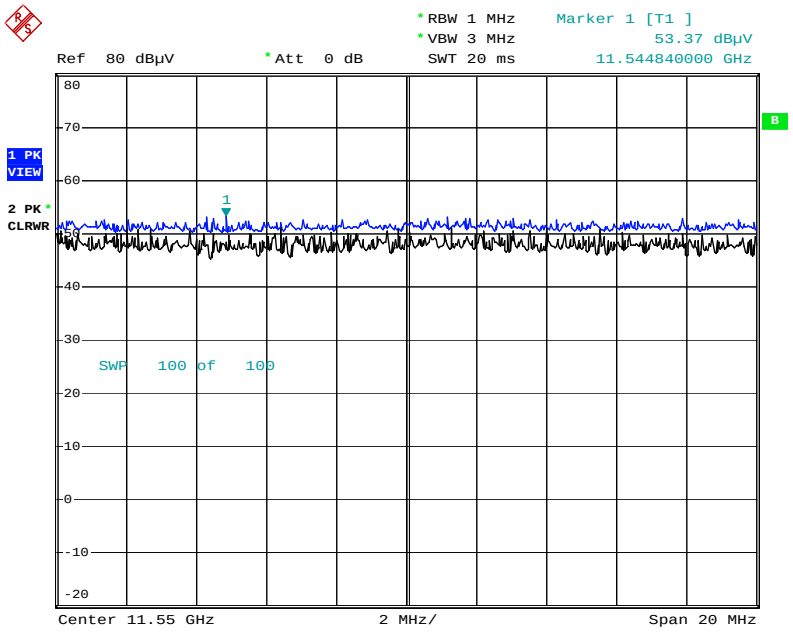
Date: 21.MAR.2017 15:26:38

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT80, Ch.155 2nd Harmonic, X-V)



Date: 21.MAR.2017 15:29:00

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT80, Ch.155 2nd Harmonic, X-V)

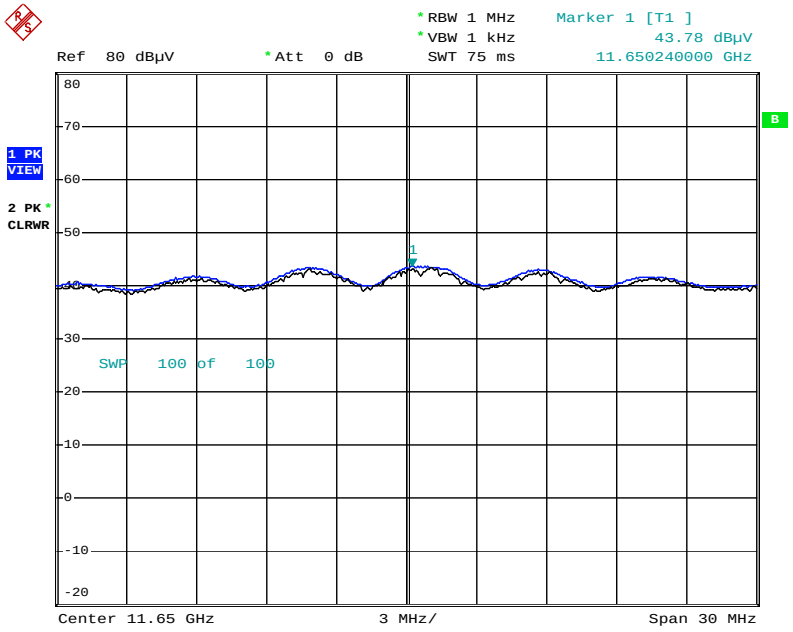


Date: 21.MAR.2017 15:28:00

Note : Only the worst case plots for Radiated Spurious Emissions.

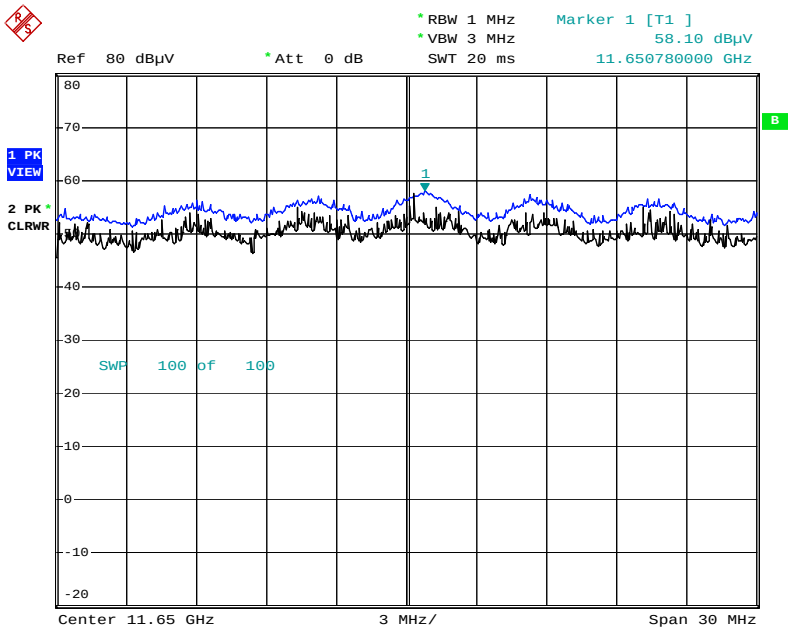
▣ RESULT PLOTS_MIMO

Radiated Spurious Emissions plot –Average Reading (802.11a, Ch.165 2nd Harmonic, Y-H)



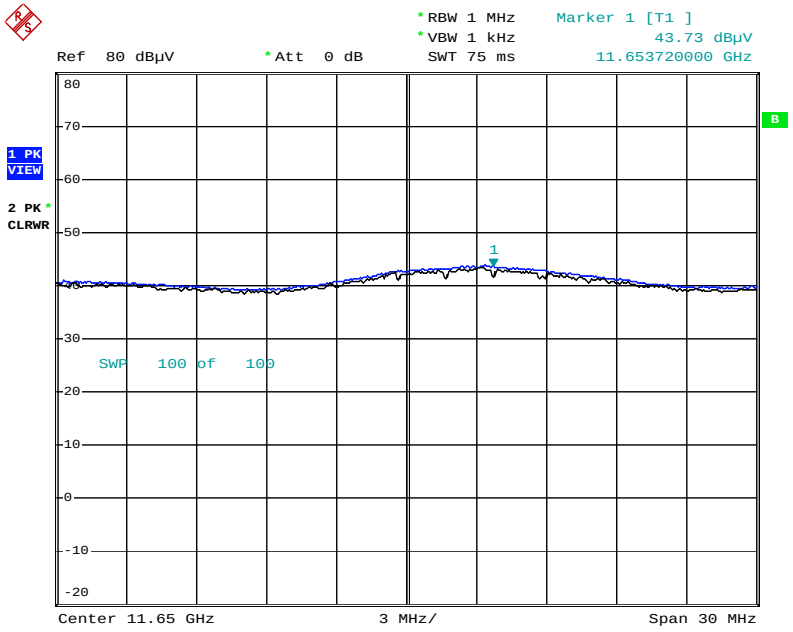
Date: 20.MAR.2017 14:48:25

Radiated Spurious Emissions plot –Peak Reading (802.11a, Ch.165 2nd Harmonic, Y-H)



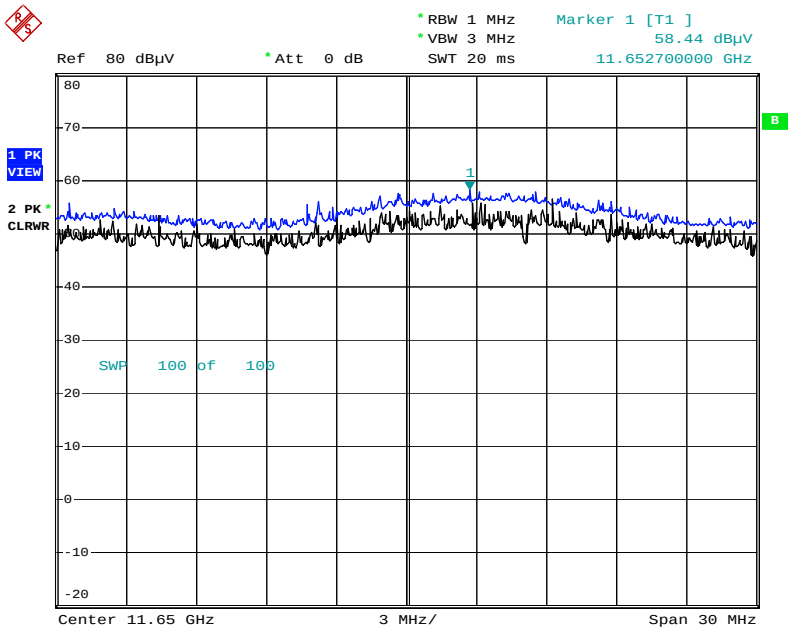
Date: 20.MAR.2017 14:49:35

Radiated Spurious Emissions plot – Average Reading(802.11n_HT20, Ch.165 2nd Harmonic, Y-H)



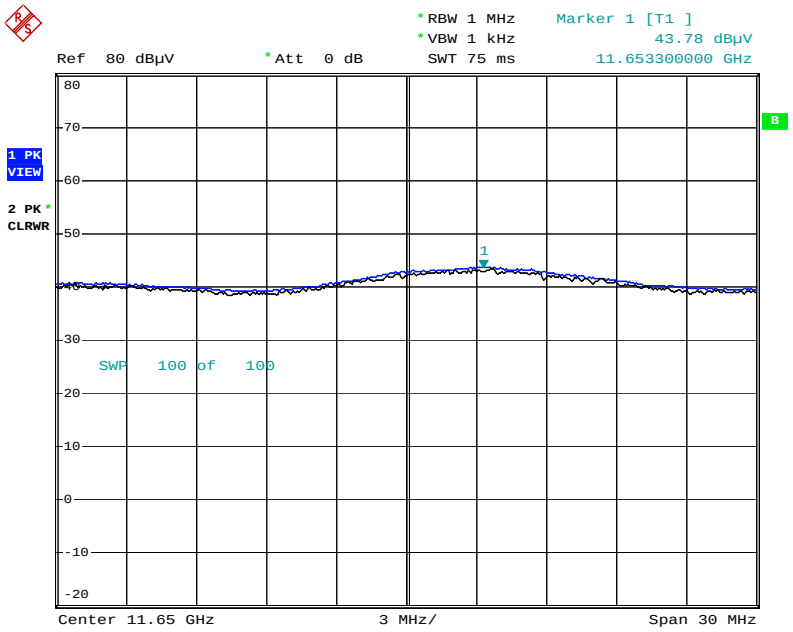
Date: 20.MAR.2017 14:51:51

Radiated Spurious Emissions plot – Peak Reading(802.11n_HT20, Ch.165 2nd Harmonic, Y-H)



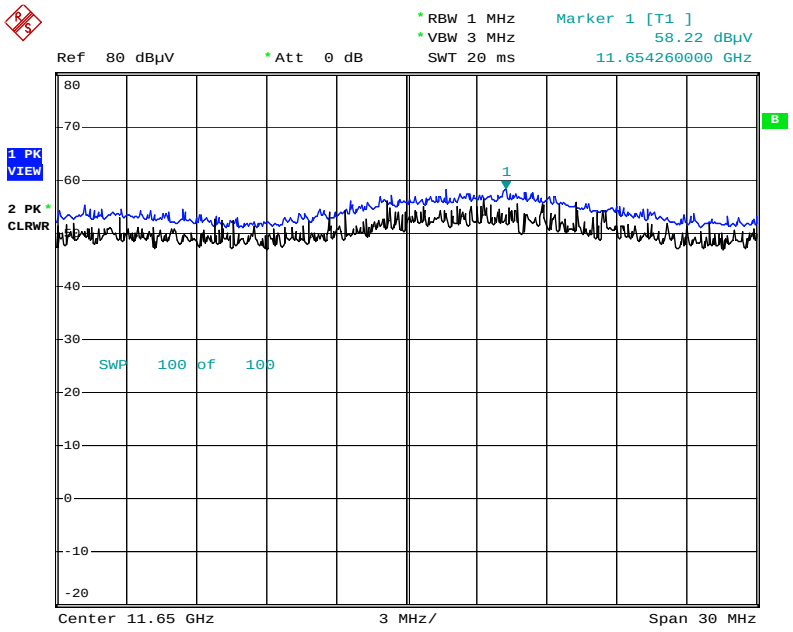
Date: 20.MAR.2017 14:51:22

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT20, Ch.165 2nd Harmonic, Y-H)



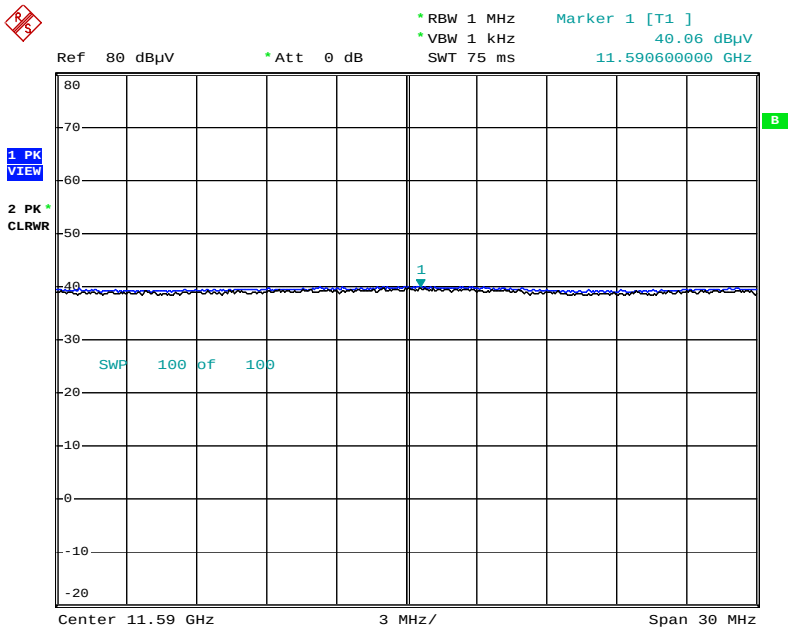
Date: 20.MAR.2017 14:52:41

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT20, Ch.165 2nd Harmonic, Y-H)



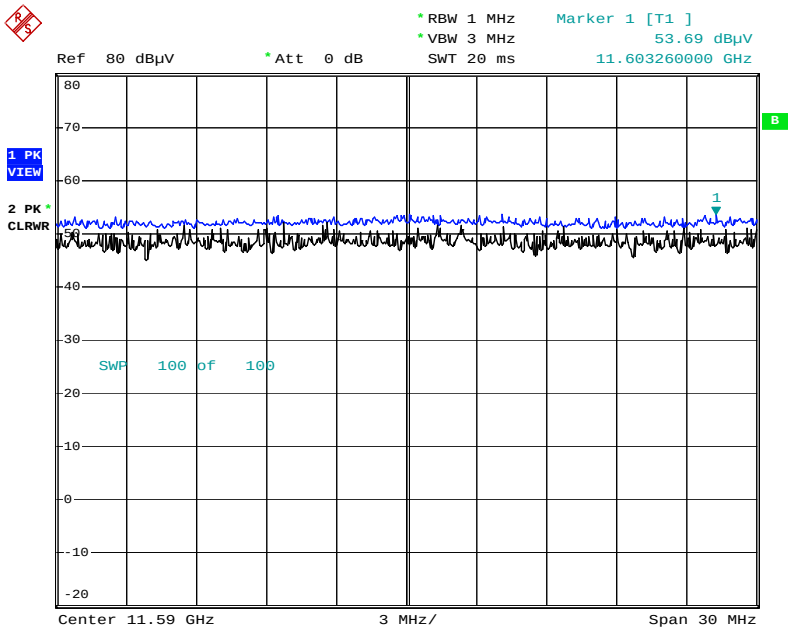
Date: 20.MAR.2017 14:53:03

Radiated Spurious Emissions plot – Average Reading (802.11n_HT40, Ch.159 2nd Harmonic, Y-H)



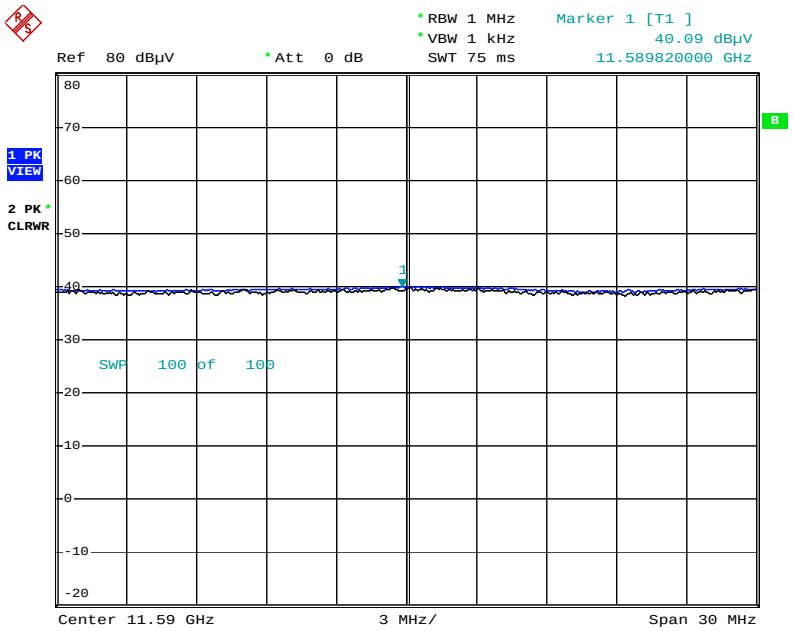
Date: 20.MAR.2017 14:55:43

Radiated Spurious Emissions plot – Peak Reading (802.11n_HT40, Ch.159 2nd Harmonic, Y-H)



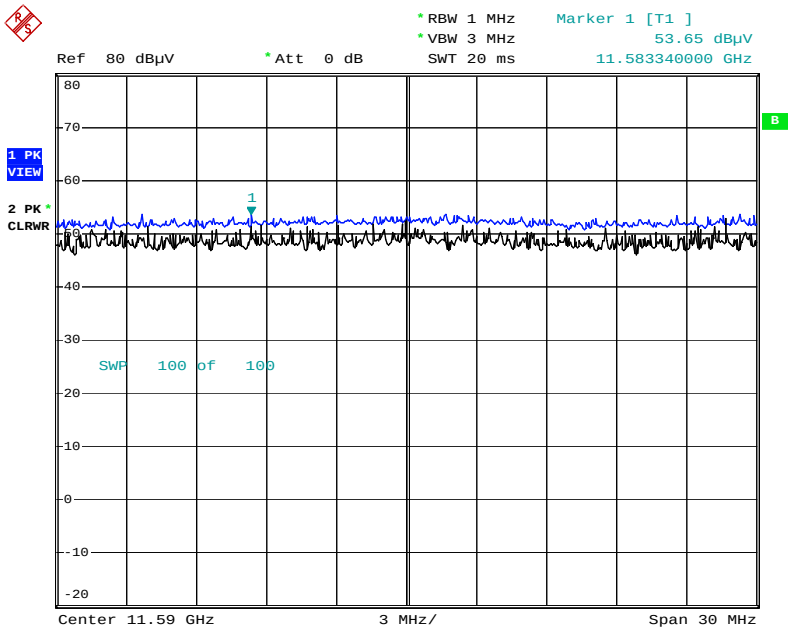
Date: 20.MAR.2017 14:55:22

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT40, Ch.159 2nd Harmonic, Y-H)



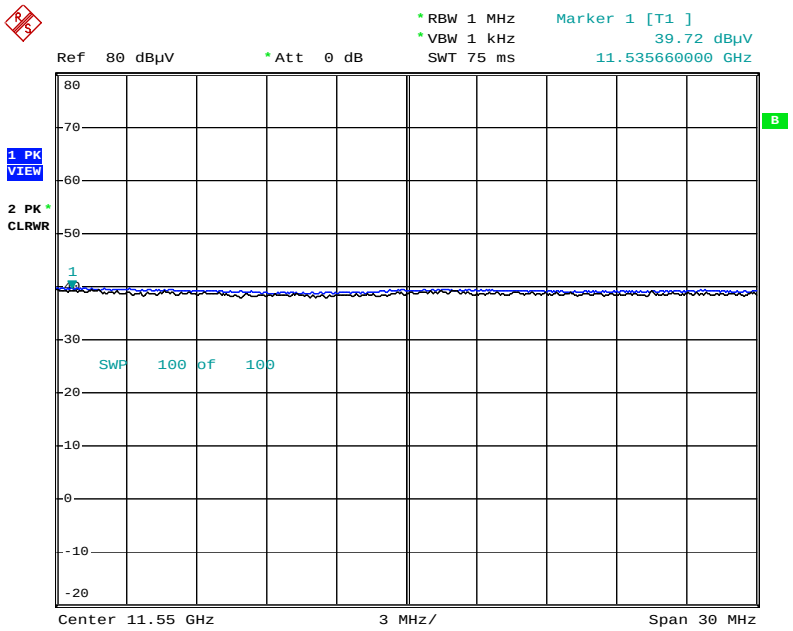
Date: 20.MAR.2017 14:56:32

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT40, Ch.159 2nd Harmonic, Y-H)



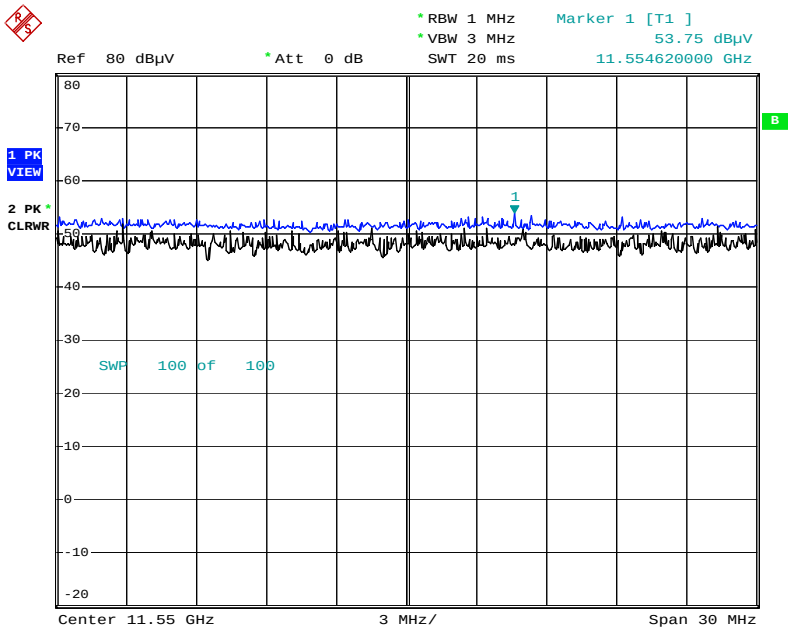
Date: 20.MAR.2017 14:57:01

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT80, Ch.155 2nd Harmonic, Y-H)



Date: 20.MAR.2017 14:59:05

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT80, Ch.155 2nd Harmonic, Y-H)



Date: 20.MAR.2017 14:58:32

Note : Only the worst case plots for Radiated Spurious Emissions.

9.6.2 RADIATED RESTRICTED BAND EDGE MEASUREMENTS

Test Requirements and limit, §15.247(d) §15.205, §15.209

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (See section 15.205(c)).

[Ant 0]

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	57.47	2.81	H	60.28	73.98	13.70	PK
5150	40.73	2.81	H	43.54	53.98	10.44	AV
5150	58.22	2.81	V	61.03	73.98	12.95	PK
5150	40.10	2.81	V	42.91	53.98	11.07	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	57.10	2.81	H	59.91	73.98	14.07	PK
5150	41.14	2.81	H	43.95	53.98	10.03	AV
5150	56.78	2.81	V	59.59	73.98	14.39	PK
5150	40.57	2.81	V	43.38	53.98	10.60	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	56.26	2.81	H	59.07	73.98	14.91	PK
5150	41.19	2.81	H	44	53.98	9.98	AV
5150	55.56	2.81	V	58.37	73.98	15.61	PK
5150	40.46	2.81	V	43.27	53.98	10.71	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.25	2.81	H	57.06	73.98	16.92	PK
5150	41.38	2.81	H	44.19	53.98	9.79	AV
5150	54.27	2.81	V	57.08	73.98	16.90	PK
5150	40.49	2.81	V	43.3	53.98	10.68	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.82	2.81	H	57.63	73.98	16.35	PK
5150	41.36	2.81	H	44.17	53.98	9.81	AV
5150	53.42	2.81	V	56.23	73.98	17.75	PK
5150	40.31	2.81	V	43.12	53.98	10.86	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	56.62	2.81	H	59.43	73.98	14.55	PK
5150	43.28	2.81	H	46.09	53.98	7.89	AV
5150	54.89	2.81	V	57.7	73.98	16.28	PK
5150	42.00	2.81	V	44.81	53.98	9.17	AV

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	59.62	3.86	H	63.48	73.98	10.50	PK
5350	43.28	3.86	H	47.14	53.98	6.84	AV
5350	58.43	3.86	V	62.29	73.98	11.69	PK
5350	42.01	3.86	V	45.87	53.98	8.11	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	60.95	3.86	H	64.81	73.98	9.17	PK
5350	43.95	3.86	H	47.81	53.98	6.17	AV
5350	59.95	3.86	V	63.81	73.98	10.17	PK
5350	43.02	3.86	V	46.88	53.98	7.10	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	60.71	3.86	H	64.57	73.98	9.41	PK
5350	44.26	3.86	H	48.12	53.98	5.86	AV
5350	59.63	3.86	V	63.49	73.98	10.49	PK
5350	44.00	3.86	V	47.86	53.98	6.12	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	58.74	3.86	H	62.60	73.98	11.38	PK
5350	43.24	3.86	H	47.1	53.98	6.88	AV
5350	58.25	3.86	V	62.11	73.98	11.87	PK
5350	42.78	3.86	V	46.64	53.98	7.34	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	57.99	3.86	H	61.85	73.98	12.13	PK
5350	43.37	3.86	H	47.23	53.98	6.75	AV
5350	57.65	3.86	V	61.51	73.98	12.47	PK
5350	43.25	3.86	V	47.11	53.98	6.87	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	56.74	3.86	H	60.60	73.98	13.38	PK
5350	43.60	3.86	H	47.46	53.98	6.52	AV
5350	56.28	3.86	V	60.14	73.98	13.84	PK
5350	43.51	3.86	V	47.37	53.98	6.61	AV

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	52.64	5.10	H	57.74	73.98	16.24	PK
5460	37.81	5.10	H	42.91	53.98	11.07	AV
*5470	64.26	5.18	H	69.44	73.98	4.54	PK
*5470	44.25	5.18	H	49.43	53.98	4.55	AV
5460	50.86	5.10	V	55.96	73.98	18.02	PK
5460	36.51	5.10	V	41.61	53.98	12.37	AV
*5470	60.55	5.18	V	65.73	73.98	8.25	PK
*5470	41.44	5.18	V	46.62	53.98	7.36	AV

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.11	5.10	H	59.21	73.98	14.77	PK
5460	38.51	5.10	H	43.61	53.98	10.37	AV
*5470	62.88	5.18	H	68.06	73.98	5.92	PK
*5470	45.15	5.18	H	50.33	53.98	3.65	AV
5460	50.70	5.10	V	55.8	73.98	18.18	PK
5460	37.01	5.10	V	42.11	53.98	11.87	AV
*5470	60.97	5.18	V	66.15	73.98	7.83	PK
*5470	42.59	5.18	V	47.77	53.98	6.21	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.90	5.10	H	59.00	73.98	14.98	PK
5460	38.30	5.10	H	43.4	53.98	10.58	AV
*5470	63.63	5.18	H	68.81	73.98	5.17	PK
*5470	45.33	5.18	H	50.51	53.98	3.47	AV
5460	51.10	5.10	V	56.2	73.98	17.78	PK
5460	37.50	5.10	V	42.6	53.98	11.38	AV
*5470	60.84	5.18	V	66.02	73.98	7.96	PK
*5470	42.77	5.18	V	47.95	53.98	6.03	AV

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	52.27	5.10	H	57.37	73.98	16.61	PK
5460	37.72	5.10	H	42.82	53.98	11.16	AV
*5470	58.73	5.18	H	63.91	73.98	10.07	PK
*5470	43.98	5.18	H	49.16	53.98	4.82	AV
5460	51.20	5.10	V	56.3	73.98	17.68	PK
5460	36.41	5.10	V	41.51	53.98	12.47	AV
*5470	56.77	5.18	V	61.95	68.20	6.25	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	52.33	5.10	H	57.43	73.98	16.55	PK
5460	37.65	5.10	H	42.75	53.98	11.23	AV
*5470	58.77	5.18	H	63.95	73.98	10.03	PK
*5470	43.63	5.18	H	48.81	53.98	5.17	AV
5460	49.72	5.10	V	54.82	73.98	19.16	PK
5460	36.38	5.10	V	41.48	53.98	12.50	AV
*5470	55.78	5.18	V	60.96	68.20	7.24	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	55.66	5.10	H	60.76	73.98	13.22	PK
5460	42.27	5.10	H	47.37	53.98	6.61	AV
*5470	56.93	5.18	H	62.11	68.20	6.09	PK
5460	52.42	5.10	V	57.52	73.98	16.46	PK
5460	39.54	5.10	V	44.64	53.98	9.34	AV
*5470	54.57	5.18	V	59.75	68.20	8.45	PK

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT + Distance Factor
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. '*' is radiated band edge test frequency.(not restricted band emissions)

[Ant 1]

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	63.93	2.81	H	66.74	73.98	7.24	PK
5150	46.12	2.81	H	48.93	53.98	5.05	AV
5150	54.36	2.81	V	57.17	73.98	16.81	PK
5150	40.72	2.81	V	43.53	53.98	10.45	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	63.18	2.81	H	65.99	73.98	7.99	PK
5150	45.91	2.81	H	48.72	53.98	5.26	AV
5150	53.58	2.81	V	56.39	73.98	17.59	PK
5150	40.65	2.81	V	43.46	53.98	10.52	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	63.01	2.81	H	65.82	73.98	8.16	PK
5150	45.90	2.81	H	48.71	53.98	5.27	AV
5150	53.38	2.81	V	56.19	73.98	17.79	PK
5150	40.80	2.81	V	43.61	53.98	10.37	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.66	2.81	H	63.47	73.98	10.51	PK
5150	45.80	2.81	H	48.61	53.98	5.37	AV
5150	52.38	2.81	V	55.19	73.98	18.79	PK
5150	37.18	2.81	V	39.99	53.98	13.99	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	58.98	2.81	H	61.79	73.98	12.19	PK
5150	45.88	2.81	H	48.69	53.98	5.29	AV
5150	50.42	2.81	V	53.23	73.98	20.75	PK
5150	37.20	2.81	V	40.01	53.98	13.97	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	58.56	2.81	H	61.37	73.98	12.61	PK
5150	46.68	2.81	H	49.49	53.98	4.49	AV
5150	50.40	2.81	V	53.21	73.98	20.77	PK
5150	37.71	2.81	V	40.52	53.98	13.46	AV

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	61.79	3.86	H	65.65	73.98	8.33	PK
5350	45.00	3.86	H	48.86	53.98	5.12	AV
5350	55.70	3.86	V	59.56	73.98	14.42	PK
5350	41.26	3.86	V	45.12	53.98	8.86	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	60.55	3.86	H	64.41	73.98	9.57	PK
5350	45.13	3.86	H	48.99	53.98	4.99	AV
5350	54.81	3.86	V	58.67	73.98	15.31	PK
5350	41.39	3.86	V	45.25	53.98	8.73	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	62.00	3.86	H	65.86	73.98	8.12	PK
5350	45.27	3.86	H	49.13	53.98	4.85	AV
5350	54.60	3.86	V	58.46	73.98	15.52	PK
5350	41.40	3.86	V	45.26	53.98	8.72	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	60.77	3.86	H	64.63	73.98	9.35	PK
5350	45.68	3.86	H	49.54	53.98	4.44	AV
5350	51.56	3.86	V	55.42	73.98	18.56	PK
5350	37.83	3.86	V	41.69	53.98	12.29	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	60.05	3.86	H	63.91	73.98	10.07	PK
5350	45.79	3.86	H	49.65	53.98	4.33	AV
5350	51.62	3.86	V	55.48	73.98	18.50	PK
5350	37.78	3.86	V	41.64	53.98	12.34	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	59.00	3.86	H	62.86	73.98	11.12	PK
5350	46.76	3.86	H	50.62	53.98	3.36	AV
5350	51.08	3.86	V	54.94	73.98	19.04	PK
5350	38.35	3.86	V	42.21	53.98	11.77	AV

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.88	5.10	H	59.98	73.98	14.00	PK
5460	40.88	5.10	H	45.98	53.98	8.00	AV
*5470	62.24	5.18	H	67.42	73.98	6.56	PK
*5470	43.41	5.18	H	48.59	53.98	5.39	AV
5460	53.39	5.10	V	58.49	73.98	15.49	PK
5460	40.15	5.10	V	45.25	53.98	8.73	AV
*5470	57.93	5.18	V	63.11	73.98	10.87	PK
*5470	41.16	5.18	V	46.34	53.98	7.64	AV

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.28	5.10	H	59.38	73.98	14.60	PK
5460	41.42	5.10	H	46.52	53.98	7.46	AV
*5470	60.79	5.18	H	65.97	73.98	8.01	PK
*5470	44.27	5.18	H	49.45	53.98	4.53	AV
5460	53.32	5.10	V	58.42	73.98	15.56	PK
5460	40.28	5.10	V	45.38	53.98	8.60	AV
*5470	57.83	5.18	V	63.01	73.98	10.97	PK
*5470	41.45	5.18	V	46.63	53.98	7.35	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.05	5.10	H	59.15	73.98	14.83	PK
5460	41.27	5.10	H	46.37	53.98	7.61	AV
*5470	61.47	5.18	H	66.65	73.98	7.33	PK
*5470	44.26	5.18	H	49.44	53.98	4.54	AV
5460	53.45	5.10	V	58.55	73.98	15.43	PK
5460	40.30	5.10	V	45.4	53.98	8.58	AV
*5470	58.62	5.18	V	63.8	73.98	10.18	PK
*5470	41.77	5.18	V	46.95	53.98	7.03	AV

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.20	5.10	H	56.30	73.98	17.68	PK
5460	36.43	5.10	H	41.53	53.98	12.45	AV
*5470	58.79	5.18	H	63.97	73.98	10.01	PK
*5470	42.66	5.18	H	47.84	53.98	6.14	AV
5460	49.55	5.10	V	54.65	73.98	19.33	PK
5460	35.70	5.10	V	40.8	53.98	13.18	AV
*5470	53.57	5.18	V	58.75	73.98	15.23	PK
*5470	38.43	5.18	V	43.61	53.98	10.37	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	52.64	5.10	H	57.74	73.98	16.24	PK
5460	36.48	5.10	H	41.58	53.98	12.40	AV
*5470	60.17	5.18	H	65.35	73.98	8.63	PK
*5470	42.70	5.18	H	47.88	53.98	6.10	AV
5460	50.19	5.10	V	55.29	73.98	18.69	PK
5460	35.64	5.10	V	40.74	53.98	13.24	AV
*5470	54.11	5.18	V	59.29	73.98	14.69	PK
*5470	38.51	5.18	V	43.69	53.98	10.29	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.46	5.10	H	59.56	73.98	14.42	PK
5460	42.17	5.10	H	47.27	53.98	6.71	AV
*5470	57.28	5.18	H	62.46	68.20	5.74	PK
5460	50.35	5.10	V	55.45	73.98	18.53	PK
5460	38.06	5.10	V	43.16	53.98	10.82	AV
*5470	52.75	5.18	V	57.93	68.20	10.27	PK

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT + Distance Factor
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. '*' is radiated band edge test frequency.(not restricted band emissions)

[MIMO]

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	63.29	2.81	H	66.10	73.98	7.88	PK
5150	46.40	2.81	H	49.21	53.98	4.77	AV
5150	54.43	2.81	V	57.24	73.98	16.74	PK
5150	41.53	2.81	V	44.34	53.98	9.64	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	64.15	2.81	H	66.96	73.98	7.02	PK
5150	46.10	2.81	H	48.91	53.98	5.07	AV
5150	54.28	2.81	V	57.09	73.98	16.89	PK
5150	41.78	2.81	V	44.59	53.98	9.39	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	64.25	2.81	H	67.06	73.98	6.92	PK
5150	46.39	2.81	H	49.2	53.98	4.78	AV
5150	55.44	2.81	V	58.25	73.98	15.73	PK
5150	41.71	2.81	V	44.52	53.98	9.46	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.05	2.81	H	62.86	73.98	11.12	PK
5150	45.77	2.81	H	48.58	53.98	5.40	AV
5150	53.76	2.81	V	56.57	73.98	17.41	PK
5150	41.03	2.81	V	43.84	53.98	10.14	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.03	2.81	H	62.84	73.98	11.14	PK
5150	46.67	2.81	H	49.48	53.98	4.50	AV
5150	53.84	2.81	V	56.65	73.98	17.33	PK
5150	40.91	2.81	V	43.72	53.98	10.26	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	59.24	2.81	H	62.05	73.98	11.93	PK
5150	45.41	2.81	H	48.22	53.98	5.76	AV
5150	54.00	2.81	V	56.81	73.98	17.17	PK
5150	41.47	2.81	V	44.28	53.98	9.70	AV

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	65.57	3.86	H	69.43	73.98	4.55	PK
5350	45.04	3.86	H	48.9	53.98	5.08	AV
5350	54.15	3.86	V	58.01	73.98	15.97	PK
5350	41.33	3.86	V	45.19	53.98	8.79	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	63.00	3.86	H	66.86	73.98	7.12	PK
5350	45.86	3.86	H	49.72	53.98	4.26	AV
5350	54.18	3.86	V	58.04	73.98	15.94	PK
5350	40.83	3.86	V	44.69	53.98	9.29	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	62.55	3.86	H	66.41	73.98	7.57	PK
5350	45.94	3.86	H	49.8	53.98	4.18	AV
5350	53.41	3.86	V	57.27	73.98	16.71	PK
5350	40.80	3.86	V	44.66	53.98	9.32	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	59.17	3.86	H	63.03	73.98	10.95	PK
5350	44.42	3.86	H	48.28	53.98	5.70	AV
5350	53.72	3.86	V	57.58	73.98	16.40	PK
5350	41.23	3.86	V	45.09	53.98	8.89	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	59.24	3.86	H	63.10	73.98	10.88	PK
5350	44.43	3.86	H	48.29	53.98	5.69	AV
5350	54.66	3.86	V	58.52	73.98	15.46	PK
5350	41.30	3.86	V	45.16	53.98	8.82	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	59.90	3.86	H	63.76	73.98	10.22	PK
5350	46.18	3.86	H	50.04	53.98	3.94	AV
5350	54.78	3.86	V	58.64	73.98	15.34	PK
5350	41.68	3.86	V	45.54	53.98	8.44	AV

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.04	5.10	H	59.14	73.98	14.84	PK
5460	41.05	5.10	H	46.15	53.98	7.83	AV
*5470	61.24	5.18	H	66.42	73.98	7.56	PK
*5470	43.19	5.18	H	48.37	53.98	5.61	AV
5460	53.53	5.10	V	58.63	73.98	15.35	PK
5460	40.22	5.10	V	45.32	53.98	8.66	AV
*5470	60.68	5.18	V	65.86	73.98	8.12	PK
*5470	42.54	5.18	V	47.72	53.98	6.26	AV

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.50	5.10	H	58.60	73.98	15.38	PK
5460	41.00	5.10	H	46.1	53.98	7.88	AV
*5470	60.63	5.18	H	65.81	73.98	8.17	PK
*5470	44.58	5.18	H	49.76	53.98	4.22	AV
5460	53.11	5.10	V	58.21	73.98	15.77	PK
5460	40.24	5.10	V	45.34	53.98	8.64	AV
*5470	58.96	5.18	V	64.14	73.98	9.84	PK
*5470	41.20	5.18	V	46.38	53.98	7.60	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.13	5.10	H	59.23	73.98	14.75	PK
5460	40.98	5.10	H	46.08	53.98	7.90	AV
*5470	61.73	5.18	H	66.91	73.98	7.07	PK
*5470	44.67	5.18	H	49.85	53.98	4.13	AV
5460	53.82	5.10	V	58.92	73.98	15.06	PK
5460	40.18	5.10	V	45.28	53.98	8.70	AV
*5470	58.11	5.18	V	63.29	73.98	10.69	PK
*5470	41.11	5.18	V	46.29	53.98	7.69	AV

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.15	5.10	H	56.25	73.98	17.73	PK
5460	37.15	5.10	H	42.25	53.98	11.73	AV
*5470	59.13	5.18	H	64.31	73.98	9.67	PK
*5470	44.23	5.18	H	49.41	53.98	4.57	AV
5460	48.43	5.10	V	53.53	73.98	20.45	PK
5460	35.55	5.10	V	40.65	53.98	13.33	AV
*5470	55.50	5.18	V	60.68	68.20	7.52	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.99	5.10	H	57.09	73.98	16.89	PK
5460	37.08	5.10	H	42.18	53.98	11.80	AV
*5470	62.13	5.18	H	67.31	73.98	6.67	PK
*5470	43.93	5.18	H	49.11	53.98	4.87	AV
5460	49.16	5.10	V	54.26	73.98	19.72	PK
5460	35.59	5.10	V	40.69	53.98	13.29	AV
*5470	55.08	5.18	V	60.26	68.20	7.94	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

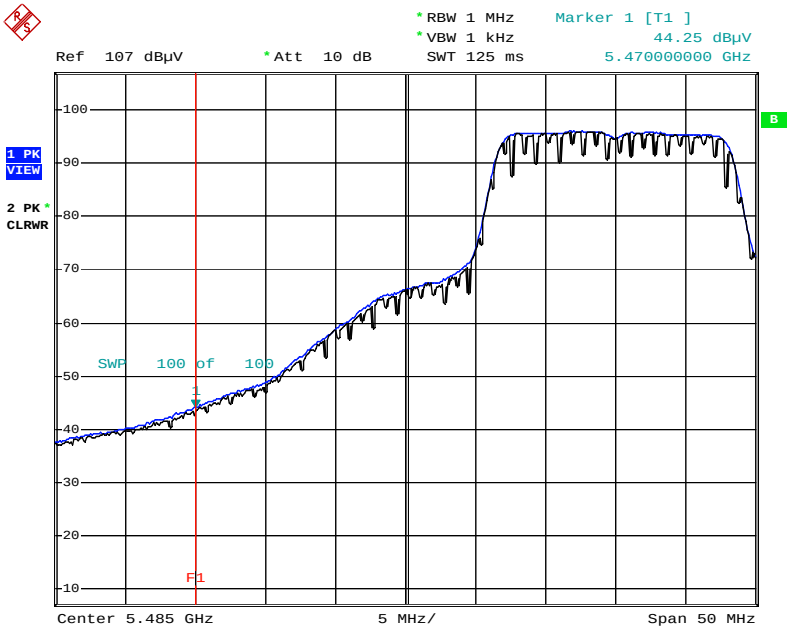
Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	56.38	5.10	H	61.48	73.98	12.50	PK
5460	42.45	5.10	H	47.55	53.98	6.43	AV
*5470	57.82	5.18	H	63	73.98	10.98	PK
*5470	43.00	5.18	H	48.18	53.98	5.80	AV
5460	50.54	5.10	V	55.64	73.98	18.34	PK
5460	37.05	5.10	V	42.15	53.98	11.83	AV
*5470	52.78	5.18	V	57.96	68.20	10.24	PK

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT + Distance Factor
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. '*' is radiated band edge test frequency.(not restricted band emissions)

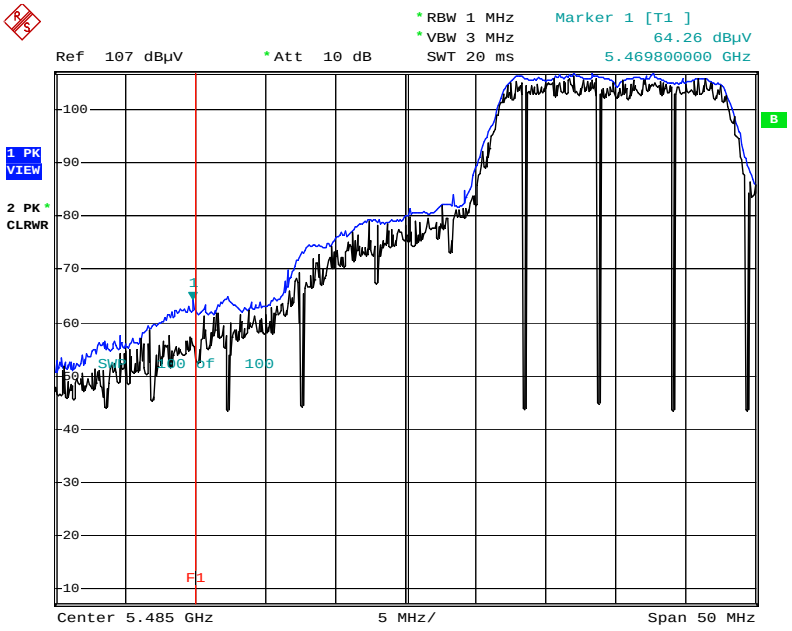
▣ RESULT PLOTS_Ant 0

Radiated Restricted Band Edges plot – Average Reading (802.11a, Ch.100, X-H)



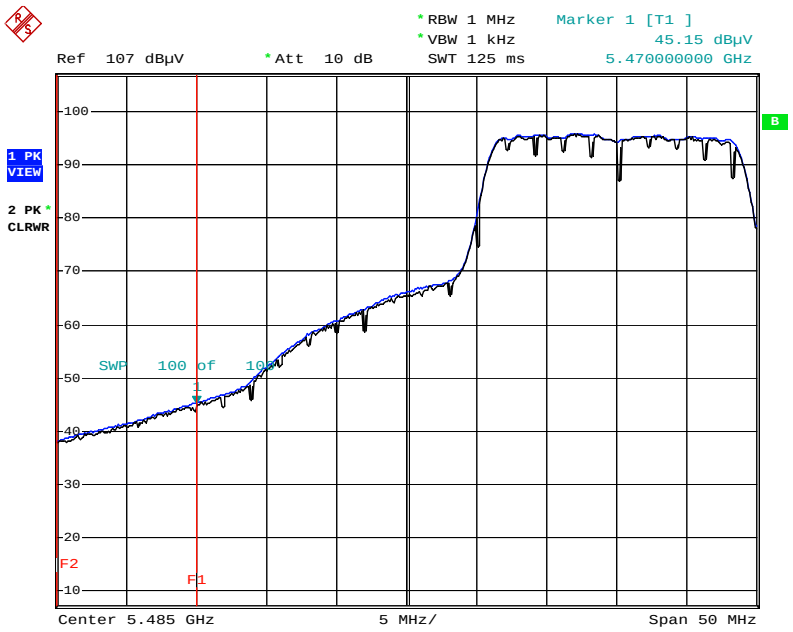
Date: 19.MAR.2017 16:14:07

Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.100, X-H)



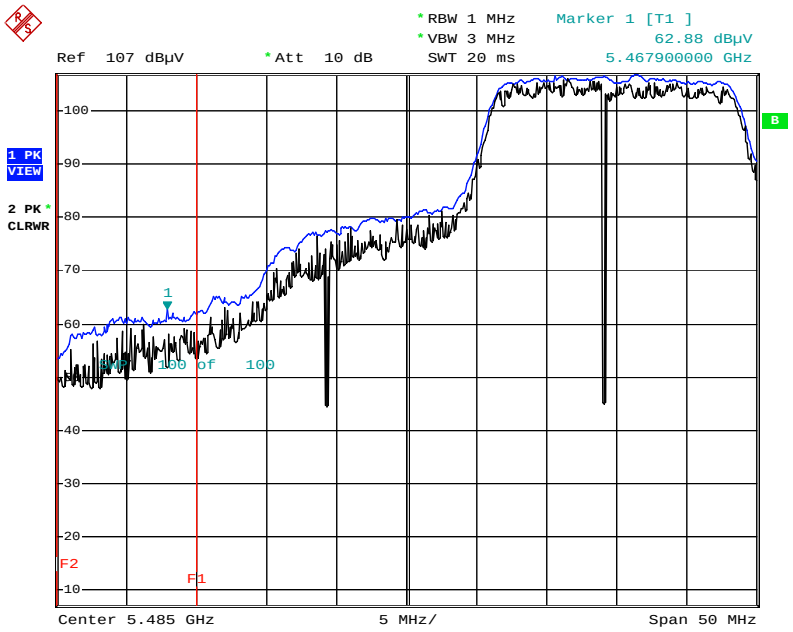
Date: 19.MAR.2017 16:15:05

Radiated Restricted Band Edges plot – Average Reading (802.11n_HT20, Ch.100, X-H)



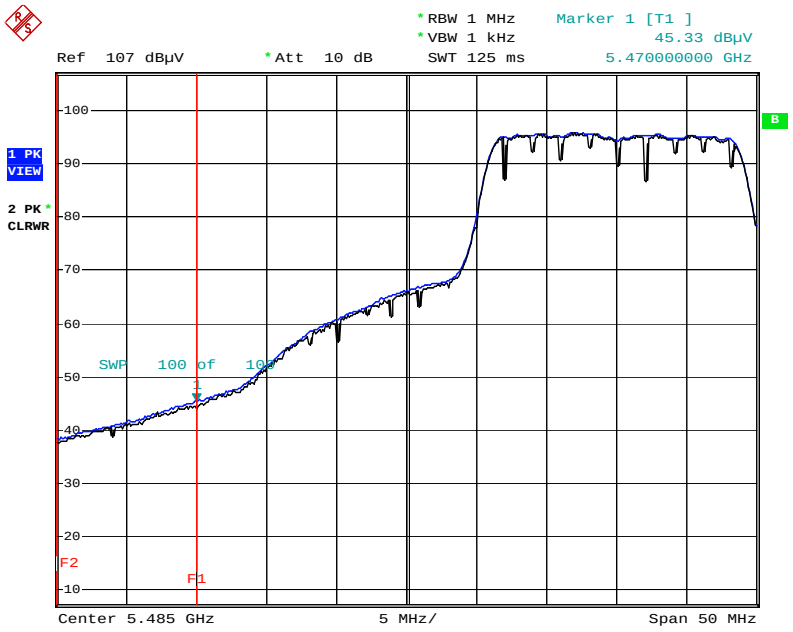
Date: 19.MAR.2017 16:25:25

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20, Ch.100, X-H)



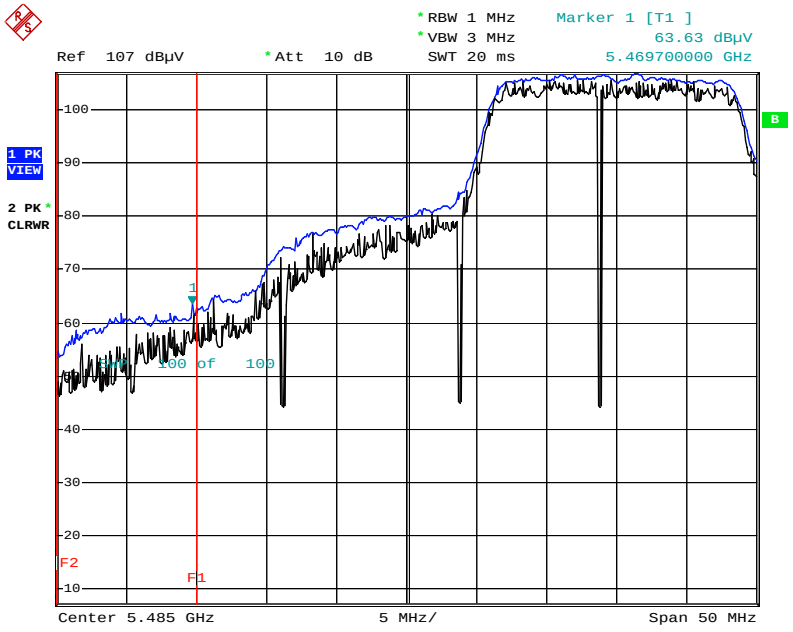
Date: 19.MAR.2017 16:25:59

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT20, Ch.100, X-H)



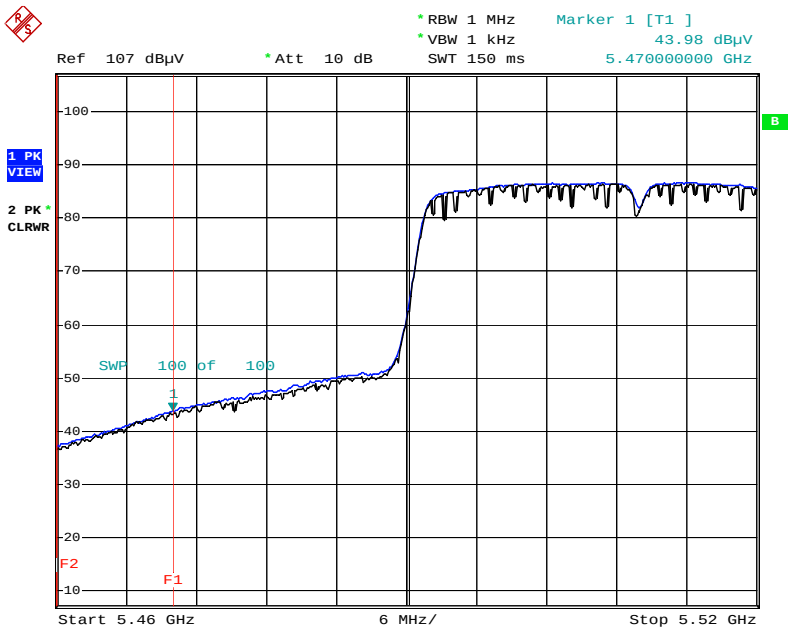
Date: 19.MAR.2017 16:27:30

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20, Ch.100, X-H)



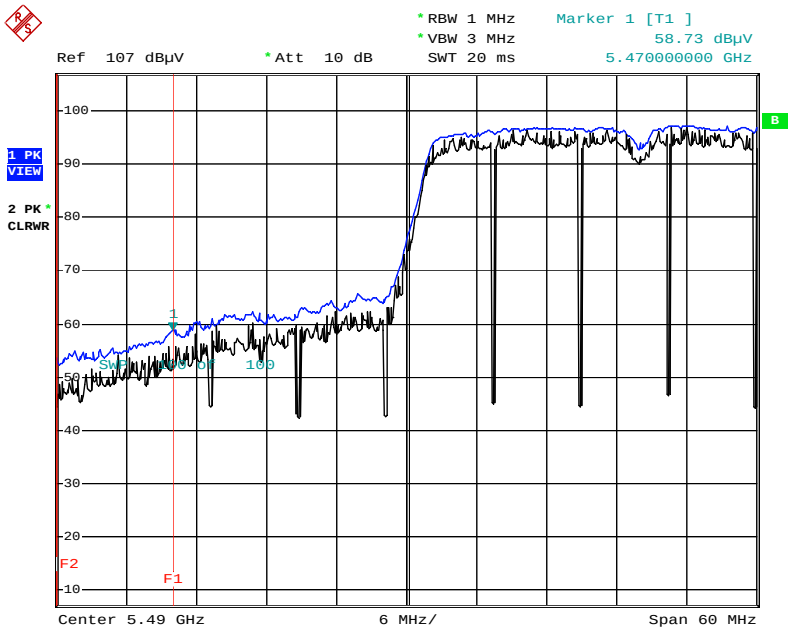
Date: 19.MAR.2017 16:26:57

Radiated Restricted Band Edges plot – Average Reading (802.11n_HT40, Ch.102, X-H)



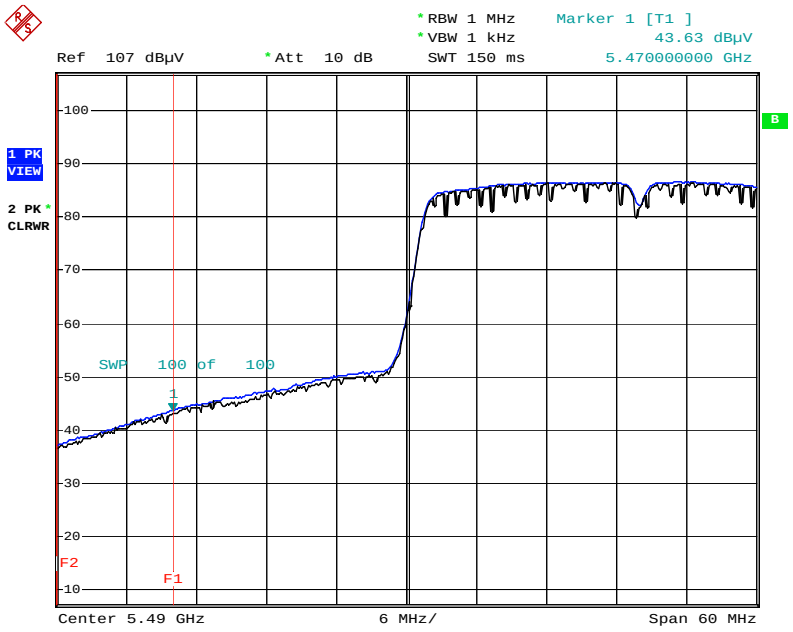
Date: 19.MAR.2017 16:32:32

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40, Ch.102, X-H)



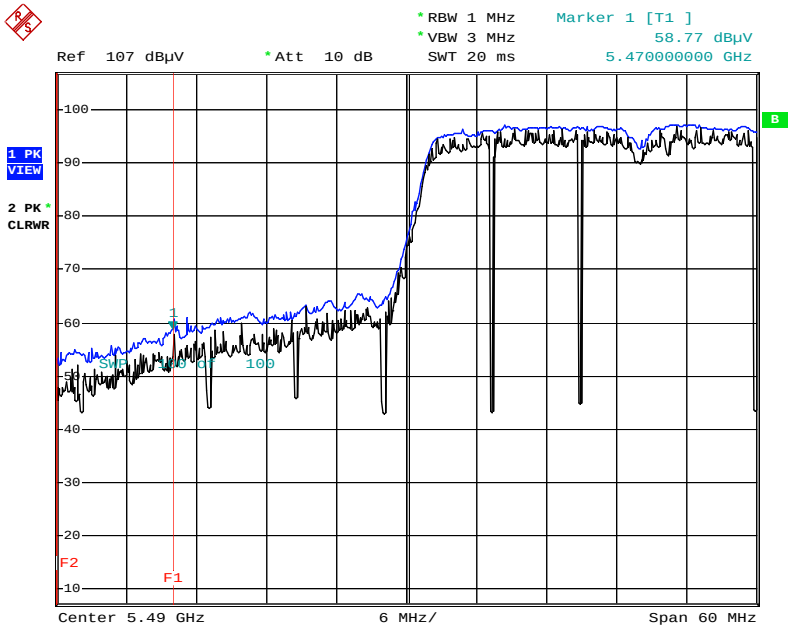
Date: 19.MAR.2017 16:33:24

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT40, Ch.102, X-H)



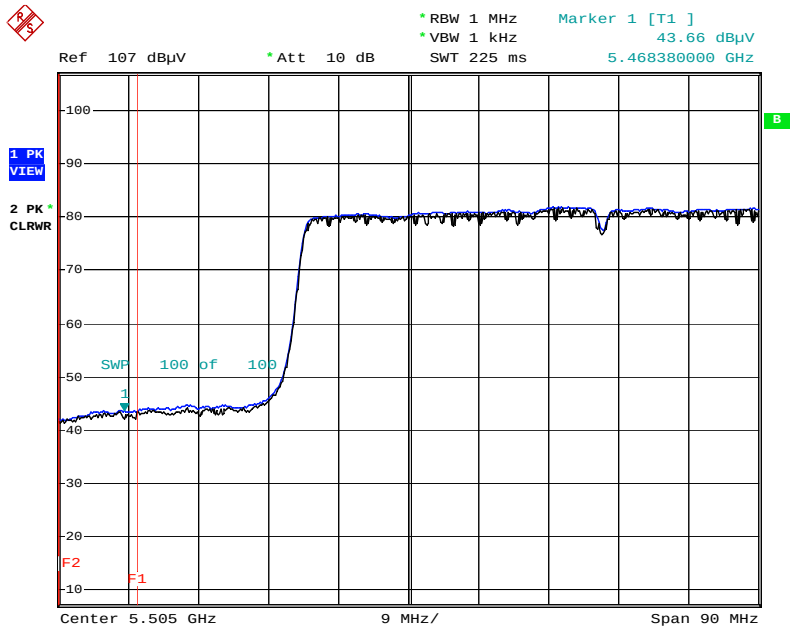
Date: 19.MAR.2017 16:35:17

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40, Ch.102, X-H)



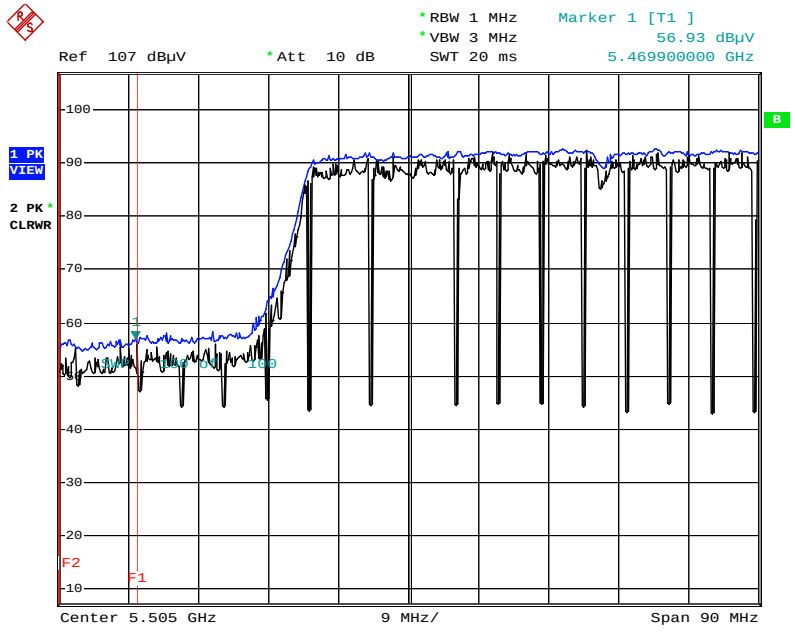
Date: 19.MAR.2017 16:34:38

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT80, Ch.106, X-H)



Date: 19.MAR.2017 16:41:47

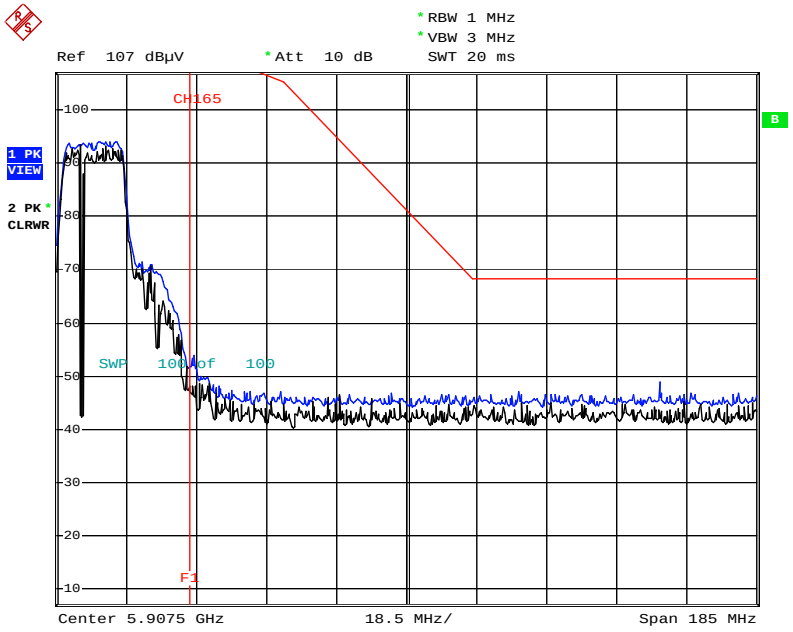
Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80, Ch.106, X-H)



Date: 19.MAR.2017 16:43:15

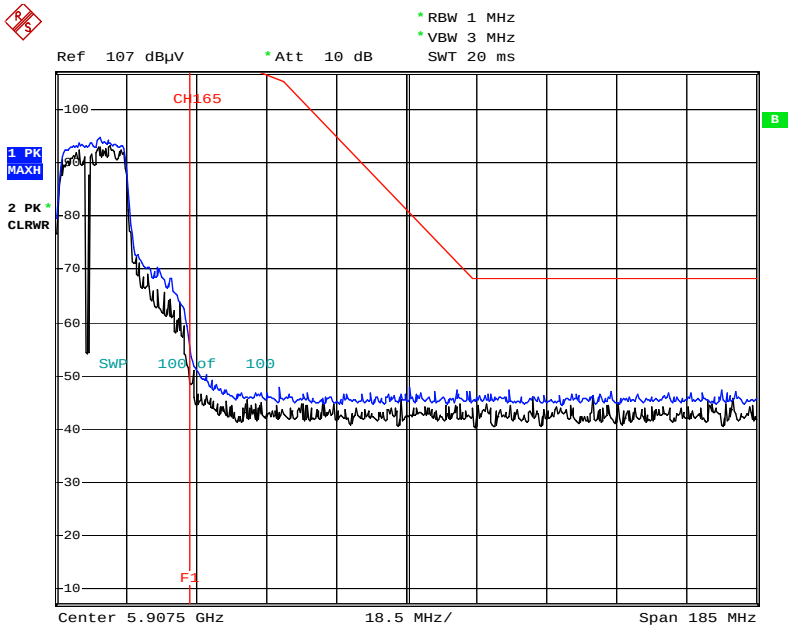
▣ RESULT PLOTS (UNII 3 – ch.165)

Radiated Restricted Band Edges plot – Peak Reading (802.11a)



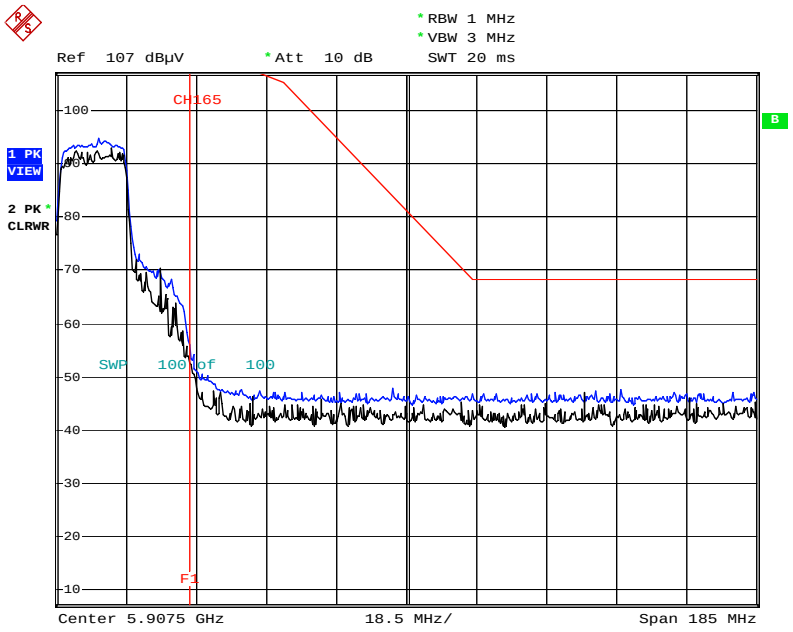
Date: 21.MAR.2017 16:06:53

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20)



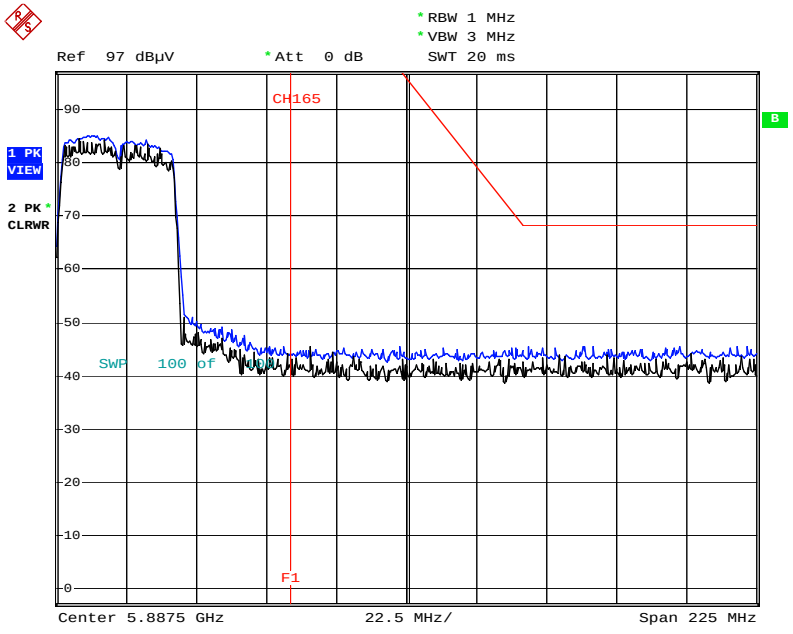
Date: 21.MAR.2017 16:07:28

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20)



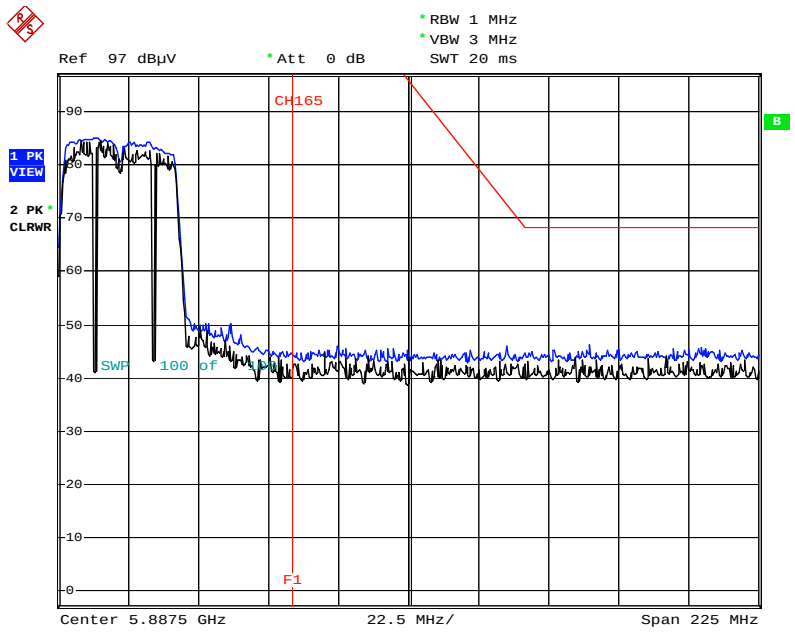
Date: 21.MAR.2017 16:08:14

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40)



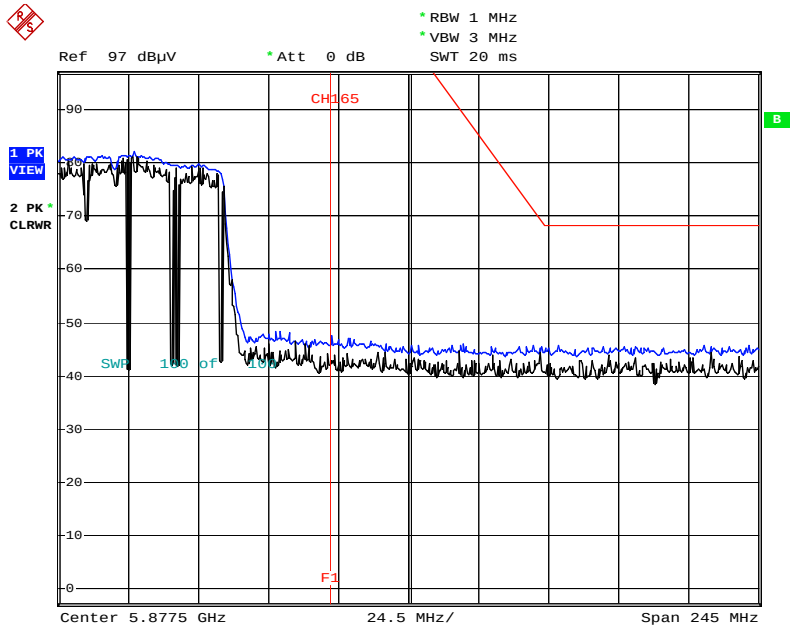
Date: 21.MAR.2017 16:09:13

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40)



Date: 21.MAR.2017 16:09:57

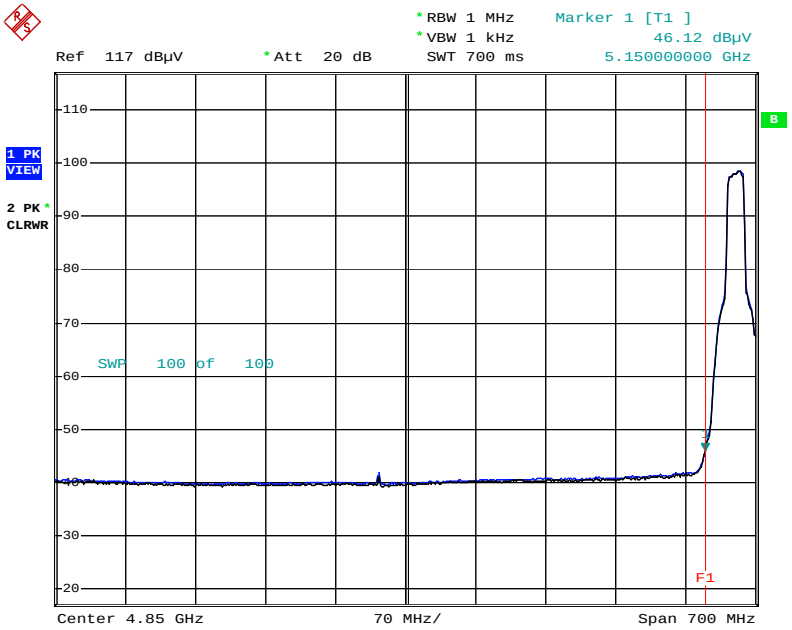
Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80)



Date: 21.MAR.2017 16:05:37

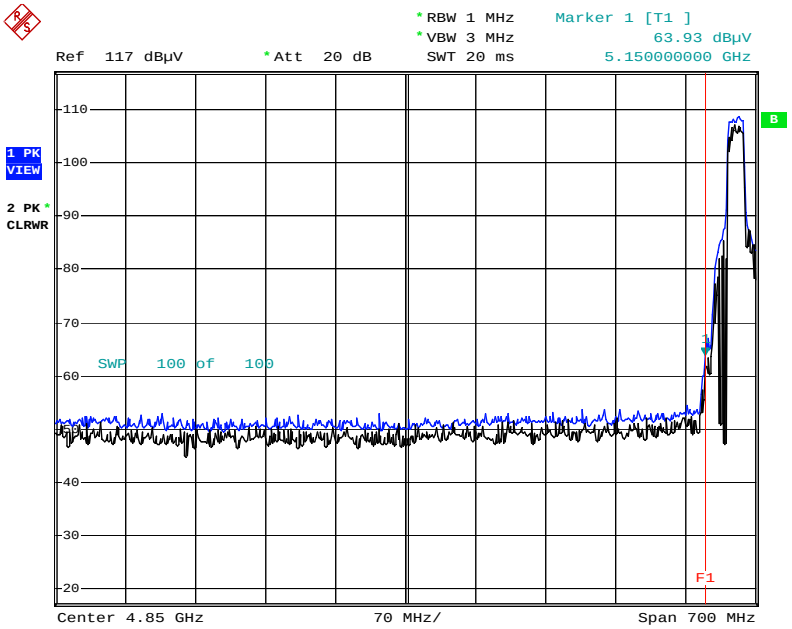
▣ RESULT PLOTS_Ant 1

Radiated Restricted Band Edges plot – Average Reading (802.11a, Ch.36, Y-H)



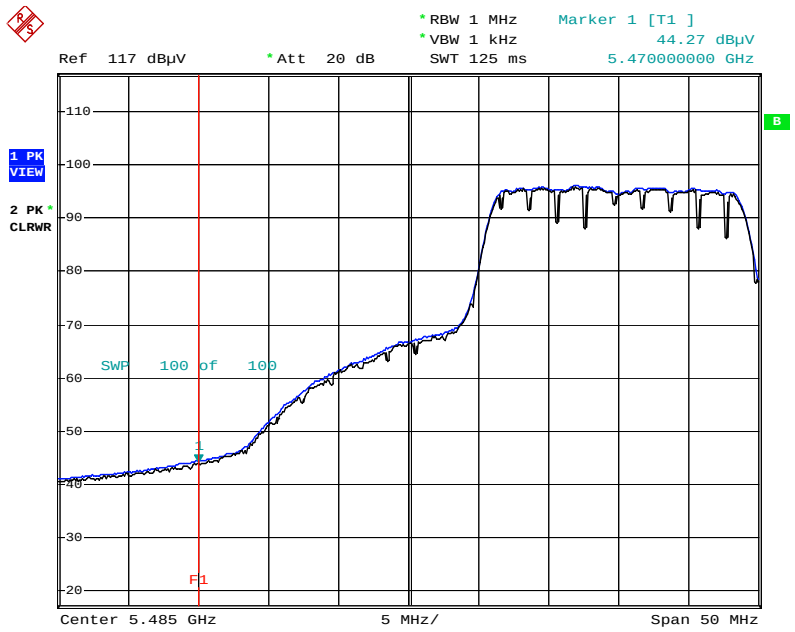
Date: 19.MAR.2017 10:58:09

Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.36, Y-H)



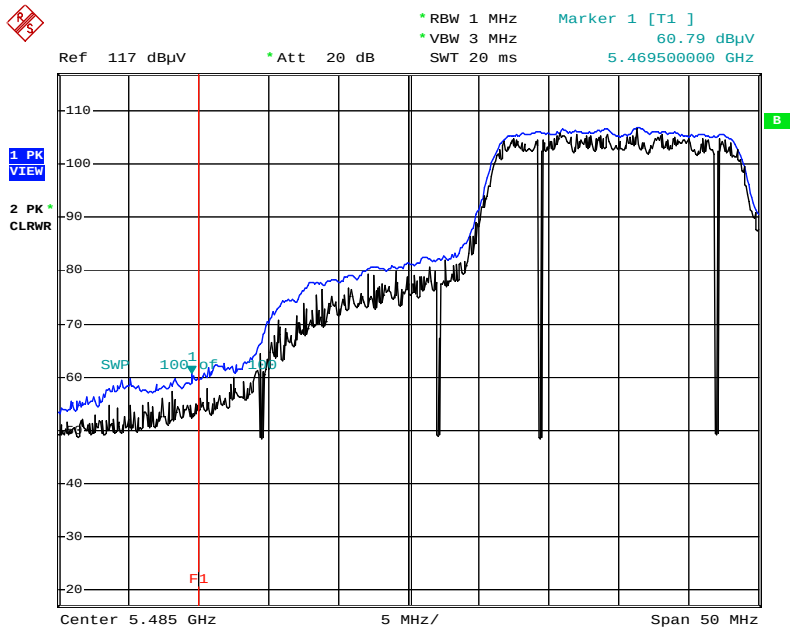
Date: 19.MAR.2017 10:59:19

Radiated Restricted Band Edges plot – Average Reading (802.11n_HT20, Ch.100, Y-H)



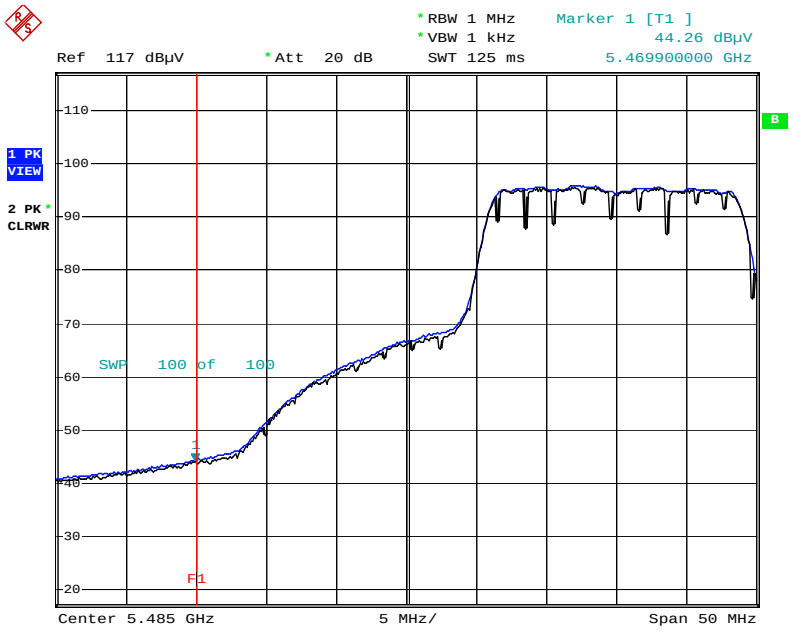
Date: 19.MAR.2017 10:24:43

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20, Ch.100, Y-H)



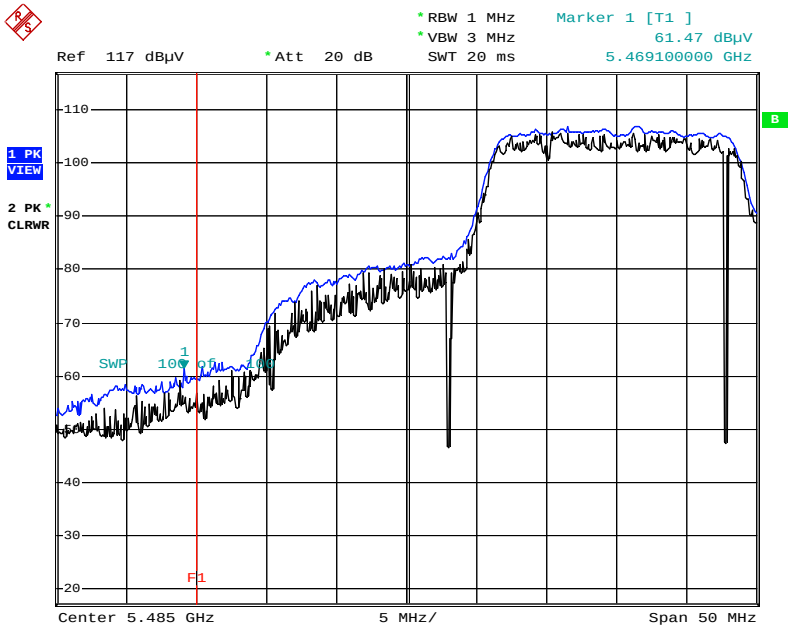
Date: 19.MAR.2017 10:25:38

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT20, Ch.100, Y-H)



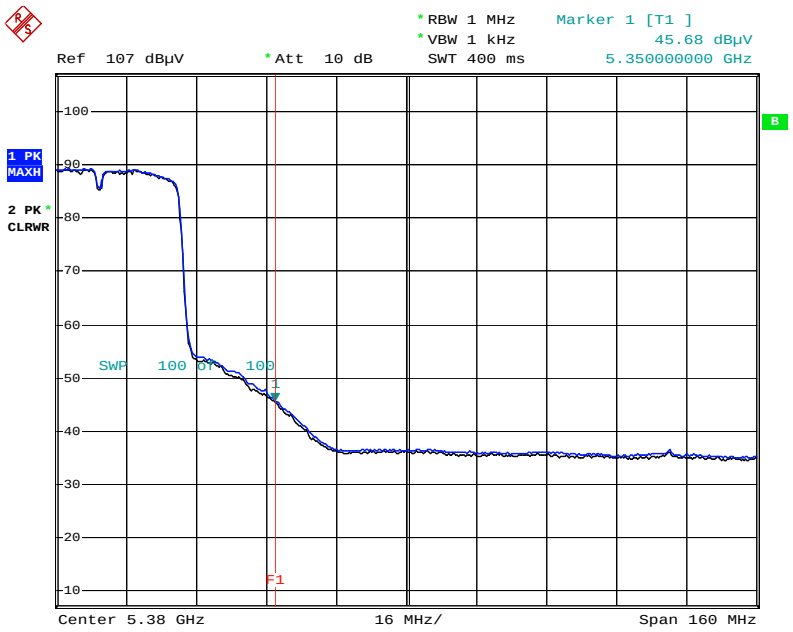
Date: 19.MAR.2017 10:29:41

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20, Ch.100, Y-H)



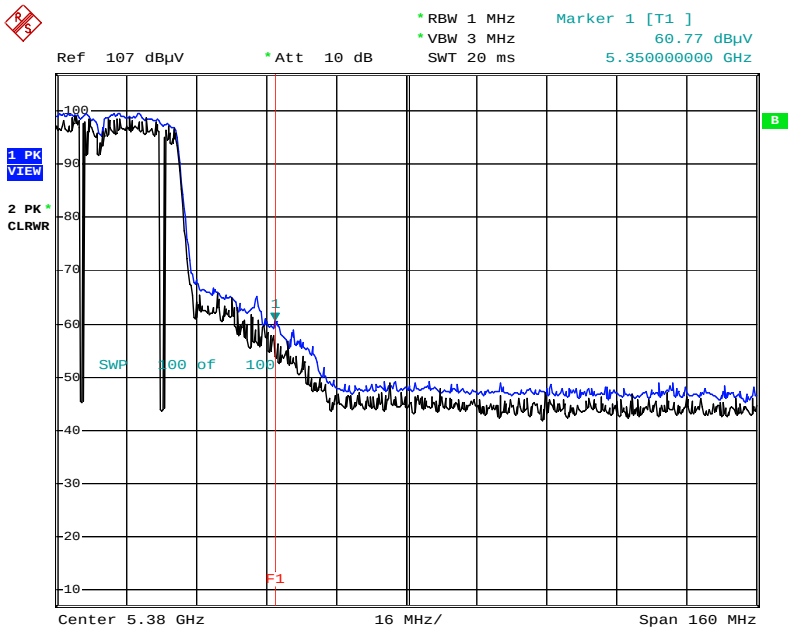
Date: 19.MAR.2017 10:30:10

Radiated Restricted Band Edges plot – Average Reading (802.11n_HT40, Ch.62, Y-H)



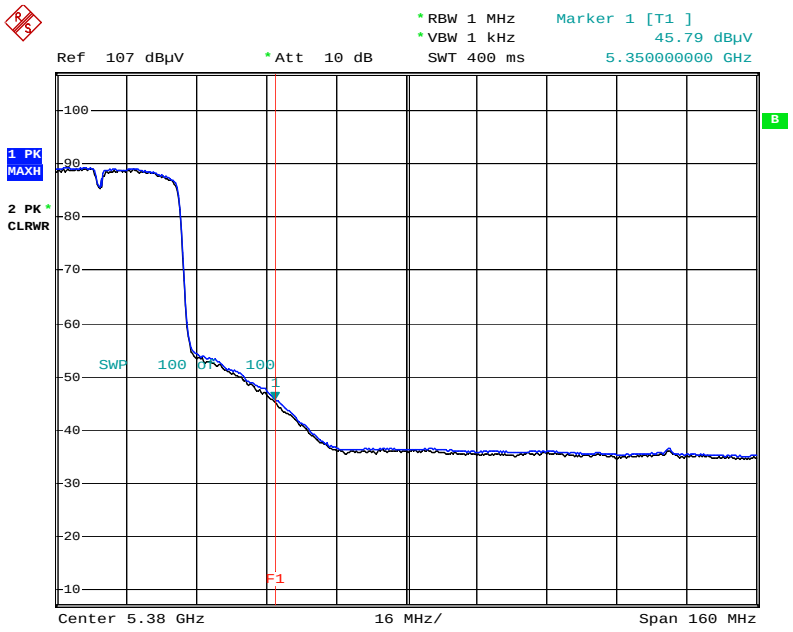
Date: 19.MAR.2017 11:09:59

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40, Ch.62, Y-H)



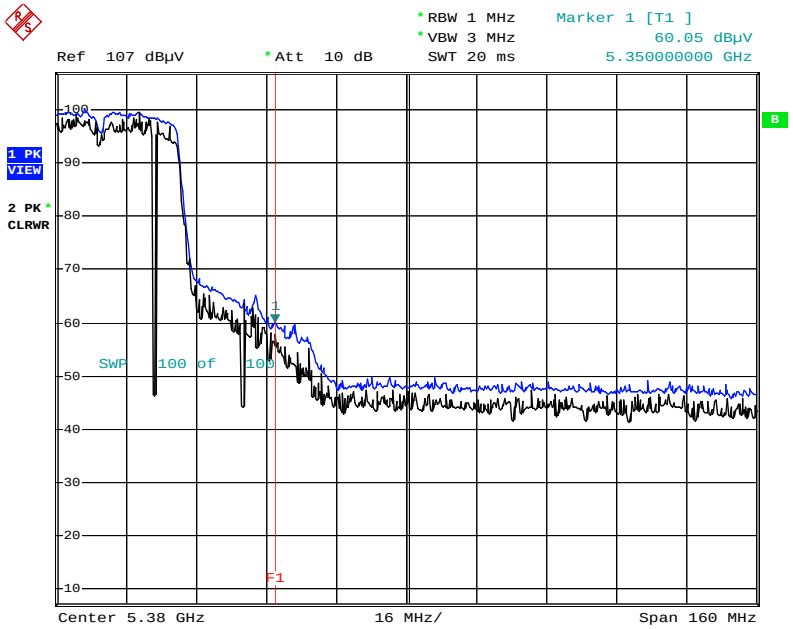
Date: 19.MAR.2017 11:10:36

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT40, Ch.62, Y-H)



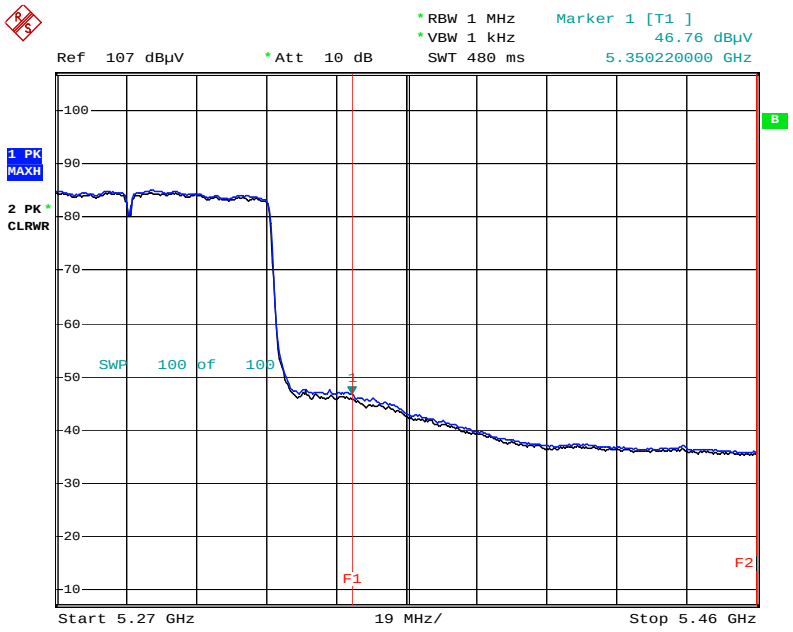
Date: 19.MAR.2017 11:13:57

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40, Ch.62, Y-H)



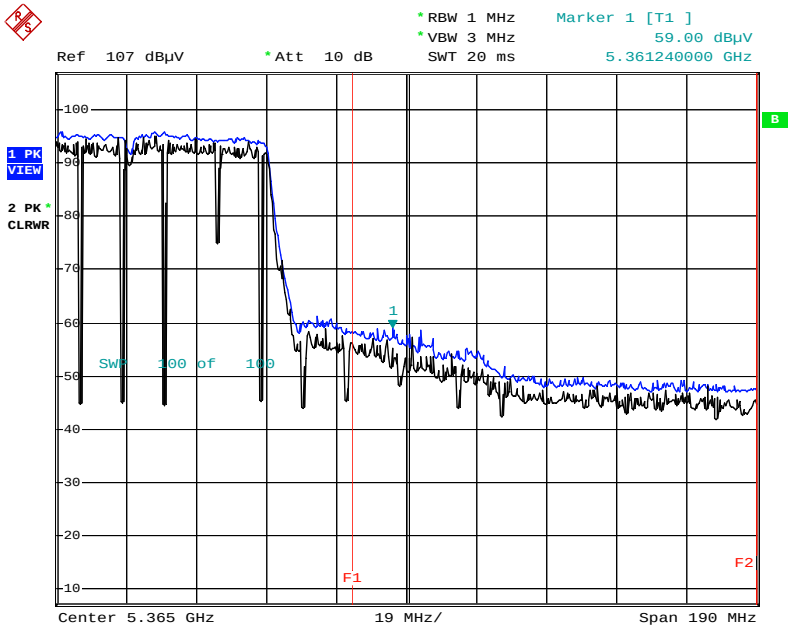
Date: 19.MAR.2017 11:14:42

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT80, Ch.58, Y-H)



Date: 17.MAR.2017 16:12:40

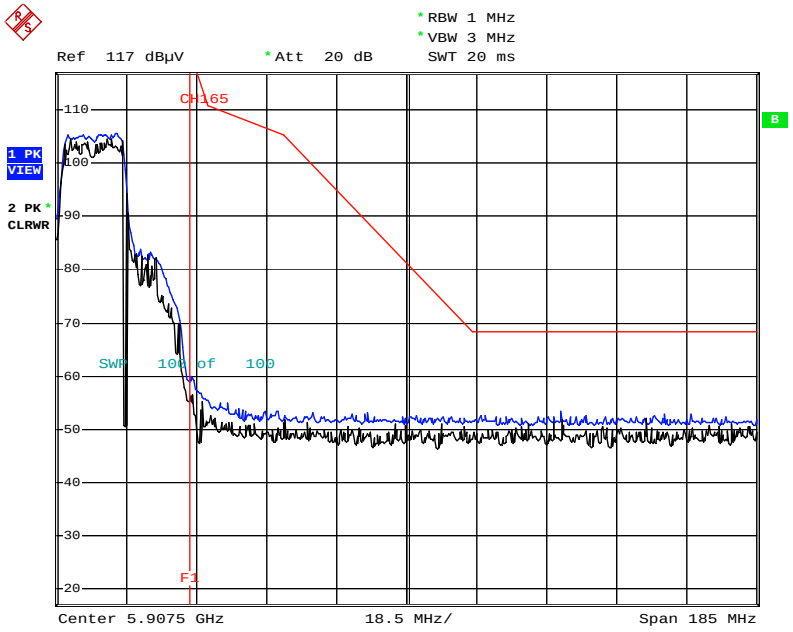
Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80, Ch.58, Y-H)



Date: 17.MAR.2017 16:13:25

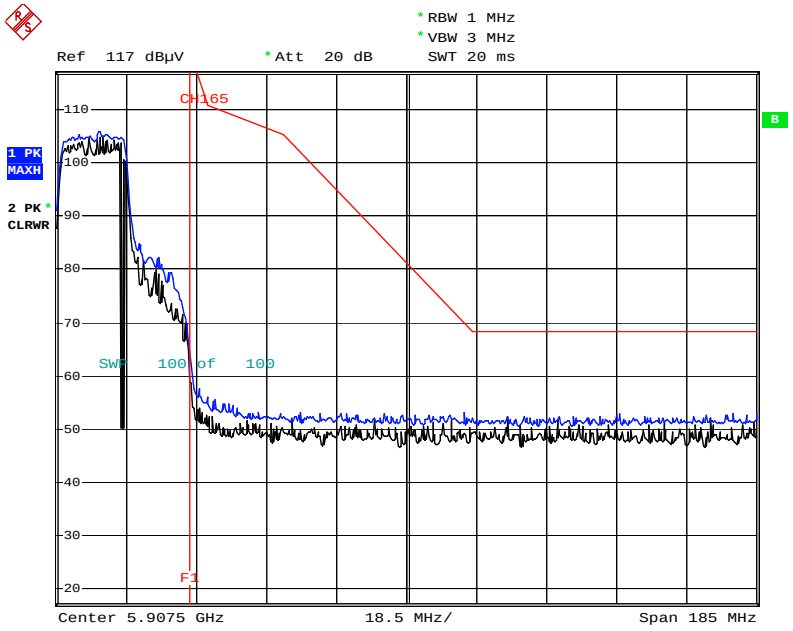
▣ RESULT PLOTS (UNII 3 – ch.165)

Radiated Restricted Band Edges plot – Peak Reading (802.11a)



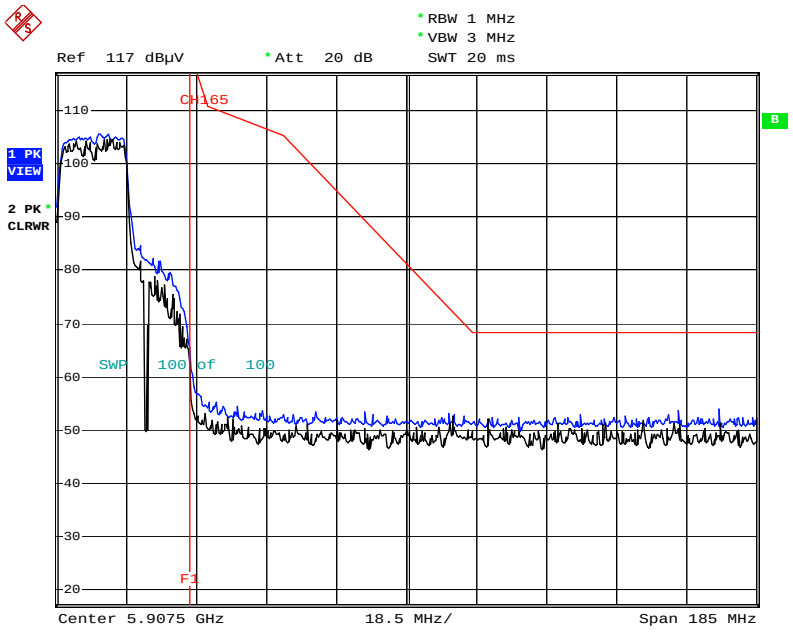
Date: 21.MAR.2017 15:58:02

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20)



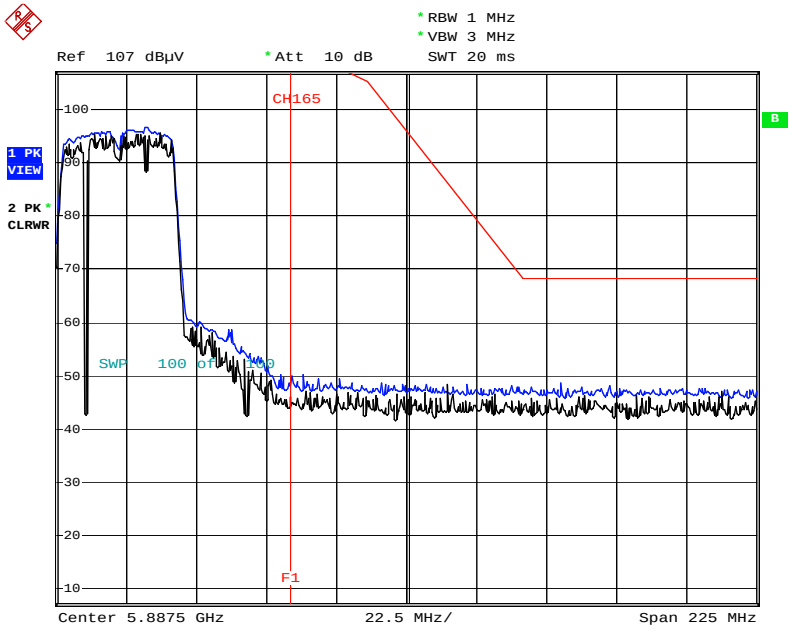
Date: 21.MAR.2017 15:58:56

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20)



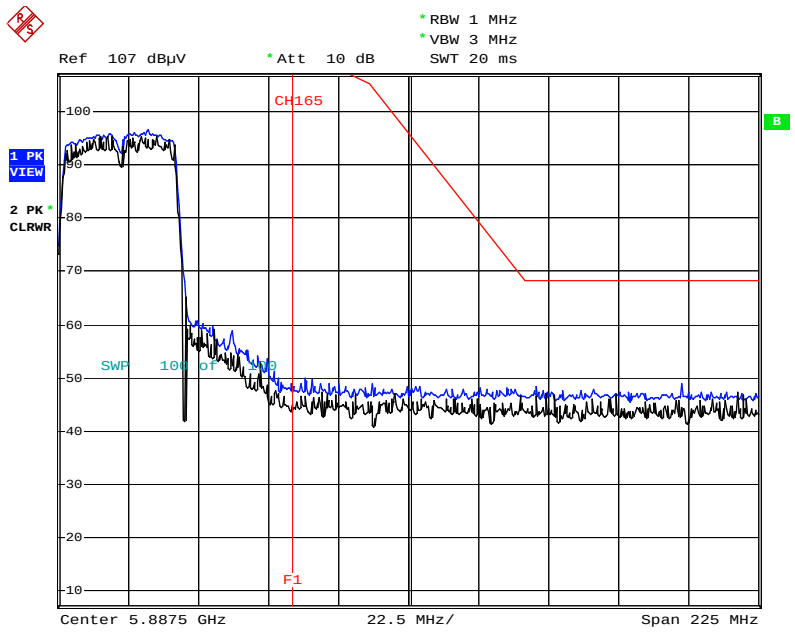
Date: 21.MAR.2017 15:59:32

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40)



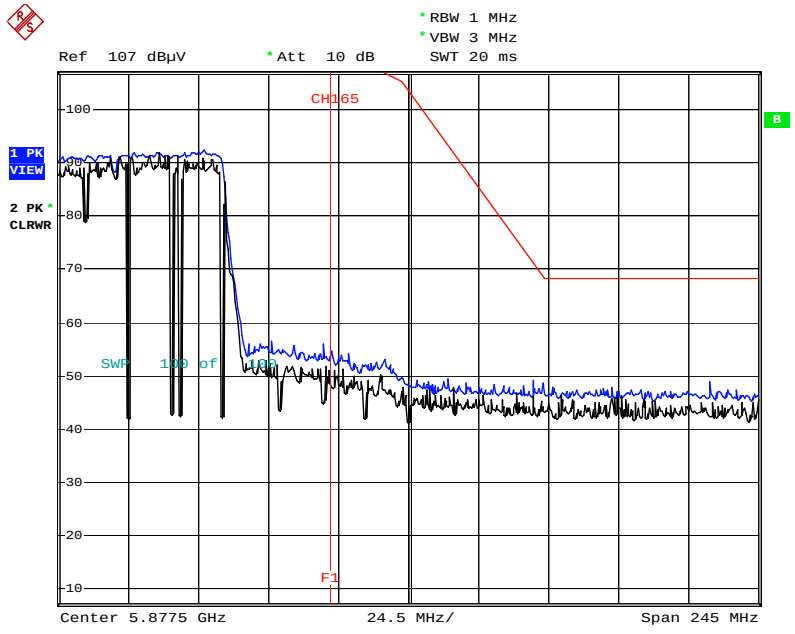
Date: 21.MAR.2017 16:00:29

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40)



Date: 21.MAR.2017 16:01:07

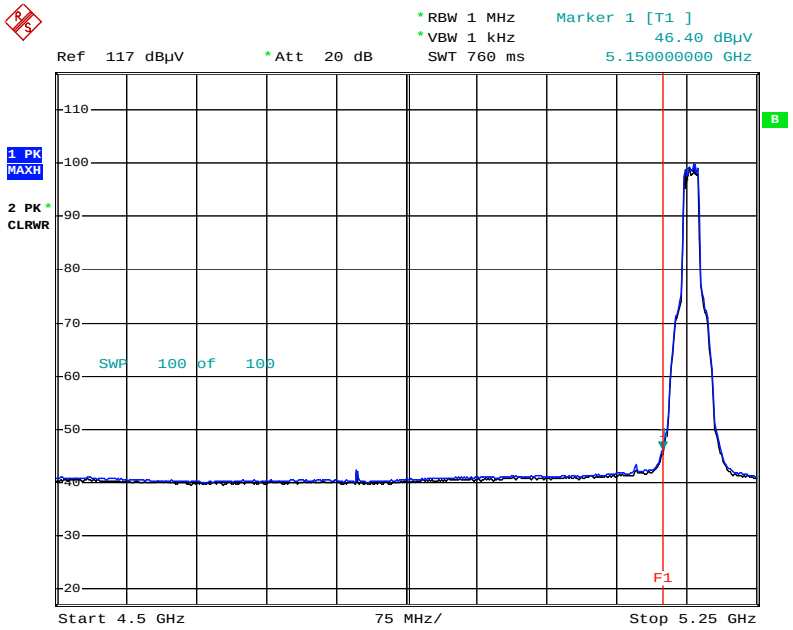
Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80)



Date: 21.MAR.2017 16:01:50

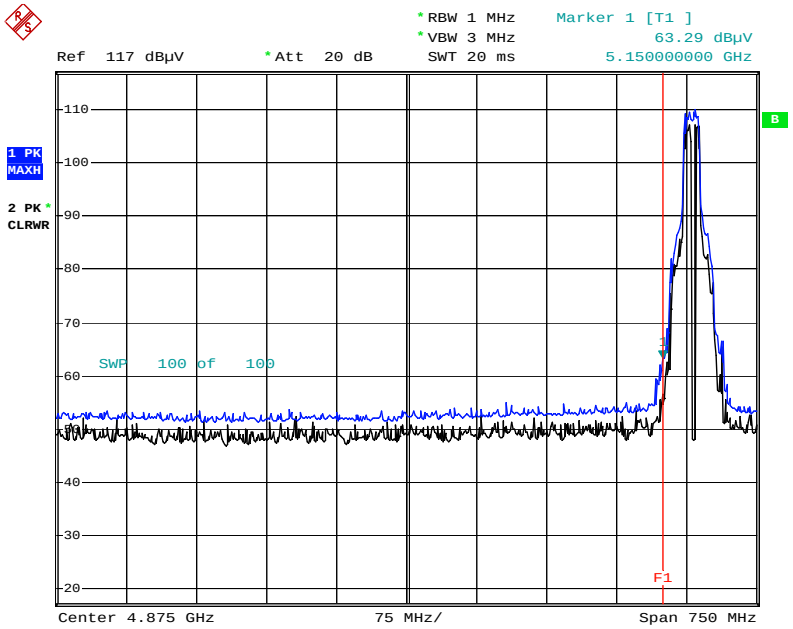
▣ RESULT PLOTS_MIMO

Radiated Restricted Band Edges plot – Average Reading (802.11a, Ch.36, Y-H)



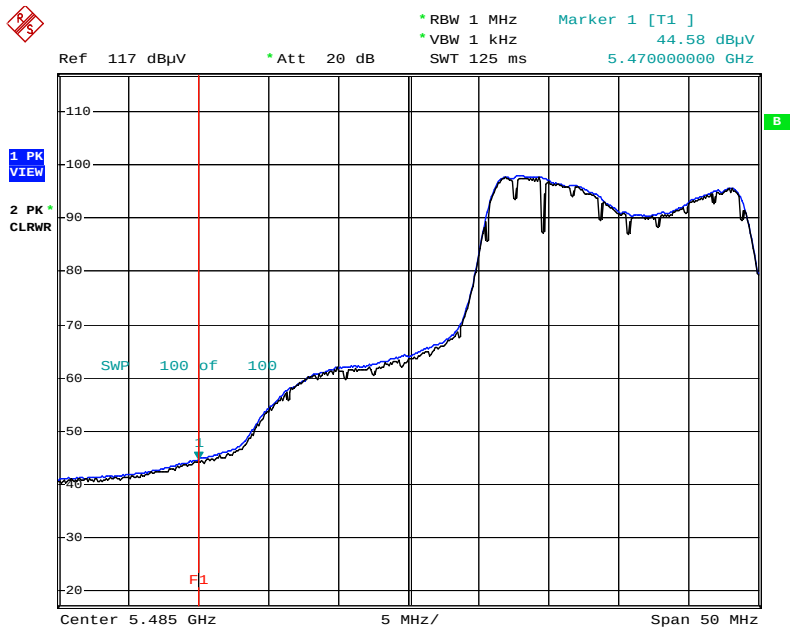
Date: 17.MAR.2017 13:16:46

Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.36, Y-H)



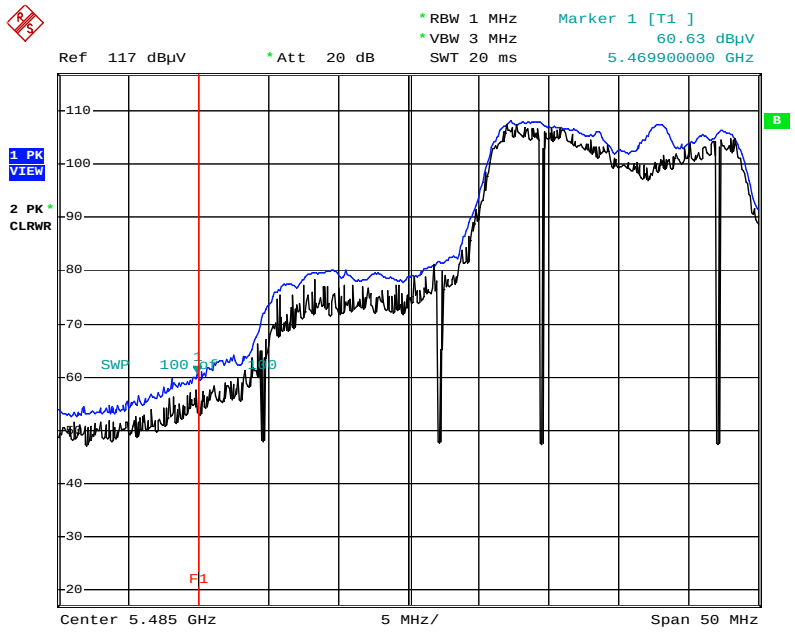
Date: 17.MAR.2017 13:17:47

Radiated Restricted Band Edges plot – Average Reading (802.11n_HT20, Ch.100, Y-H)



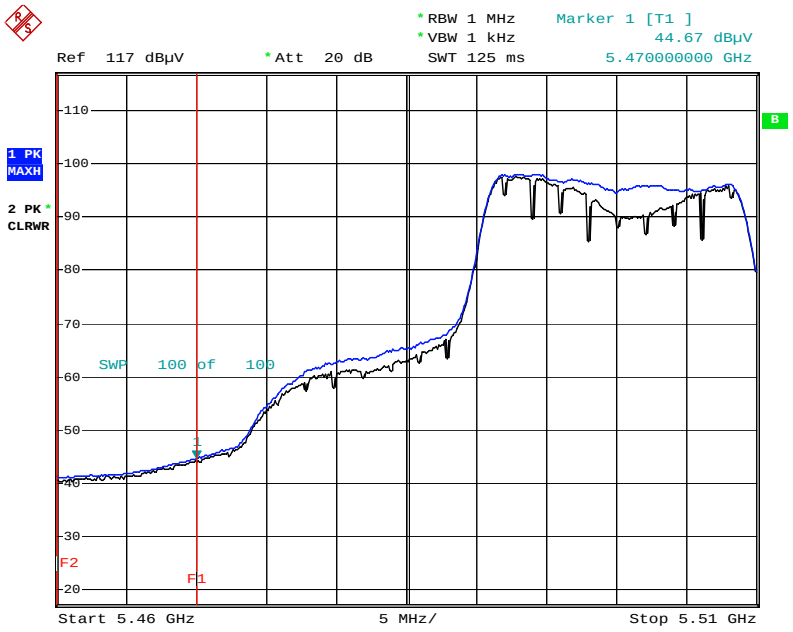
Date: 17.MAR.2017 13:22:10

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20, Ch.100, Y-H)



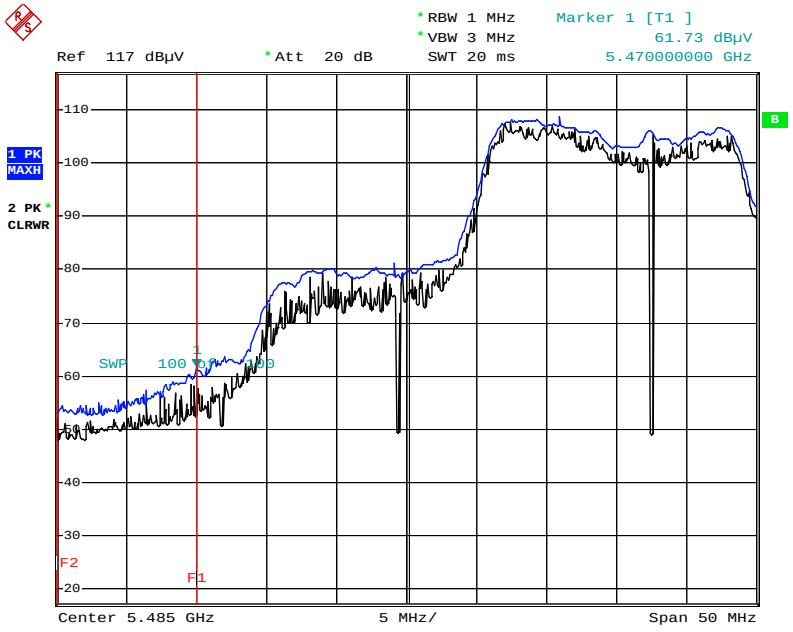
Date: 17.MAR.2017 13:23:33

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT20, Ch.100, Y-H)



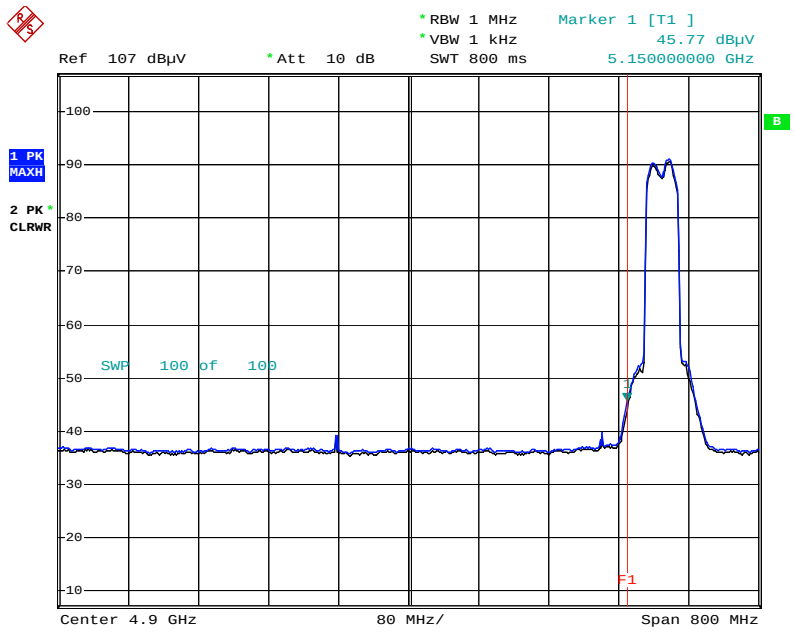
Date: 17.MAR.2017 13:31:36

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20, Ch.100, Y-H)



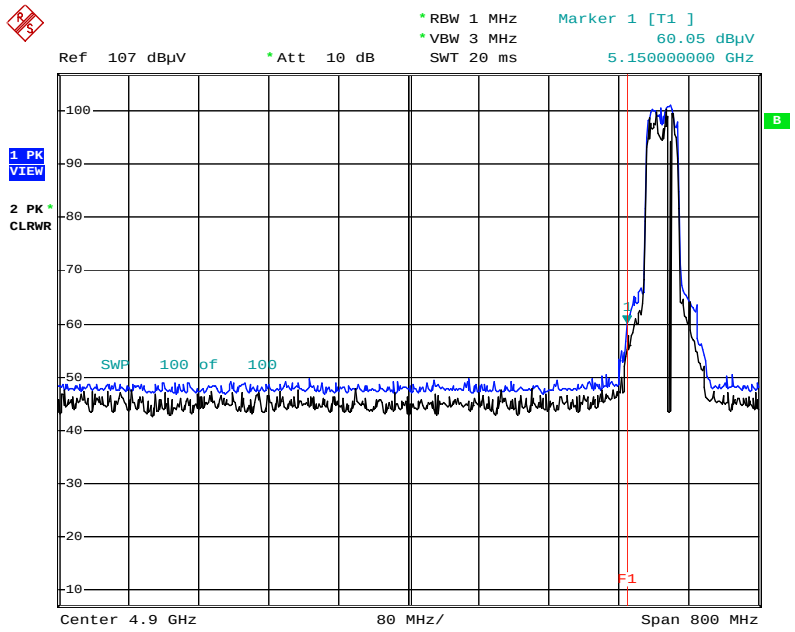
Date: 17.MAR.2017 13:32:25

Radiated Restricted Band Edges plot – Average Reading (802.11n_HT40, Ch.38, Y-H)



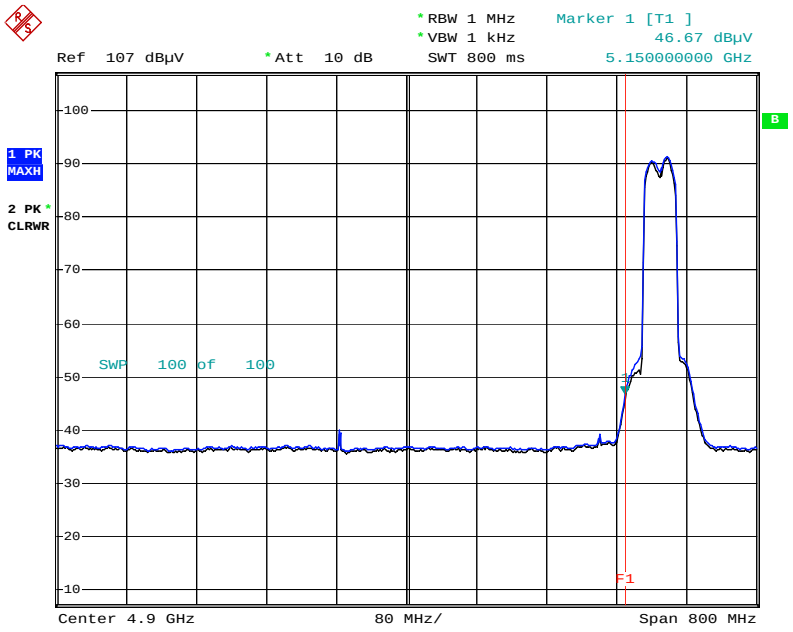
Date: 17.MAR.2017 11:37:12

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40, Ch.38, Y-H)



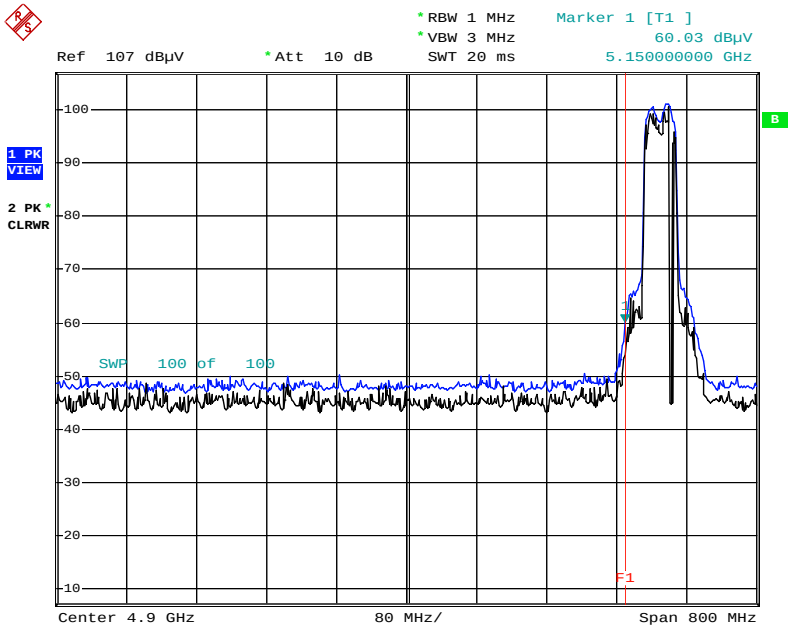
Date: 17.MAR.2017 11:38:30

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT40, Ch.38, Y-H)



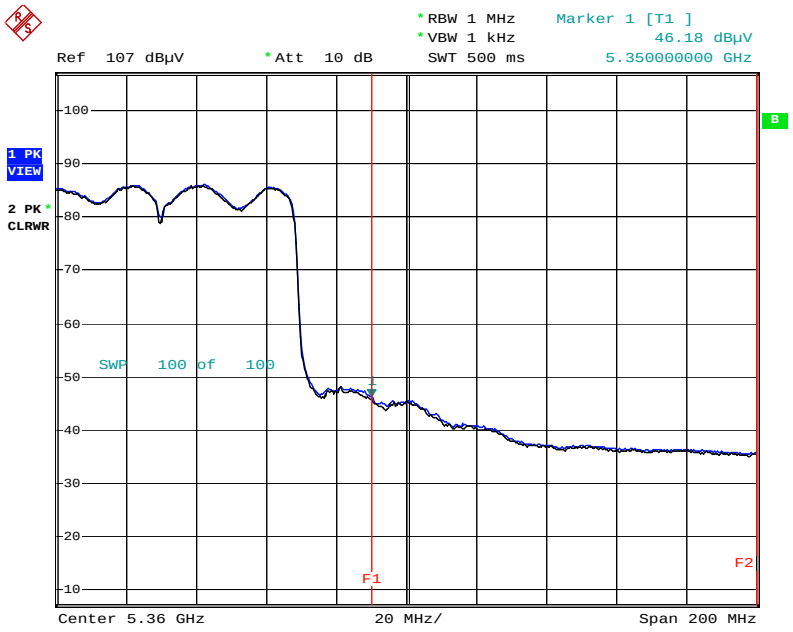
Date: 17.MAR.2017 13:12:35

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40, Ch.38, Y-H)



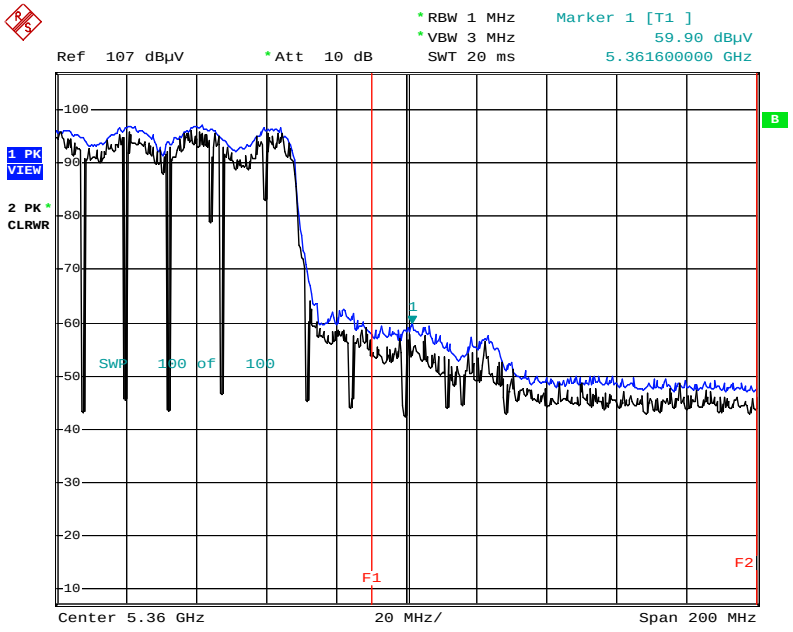
Date: 17.MAR.2017 13:13:11

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT80, Ch.58, Y-H)



Date: 17.MAR.2017 16:08:15

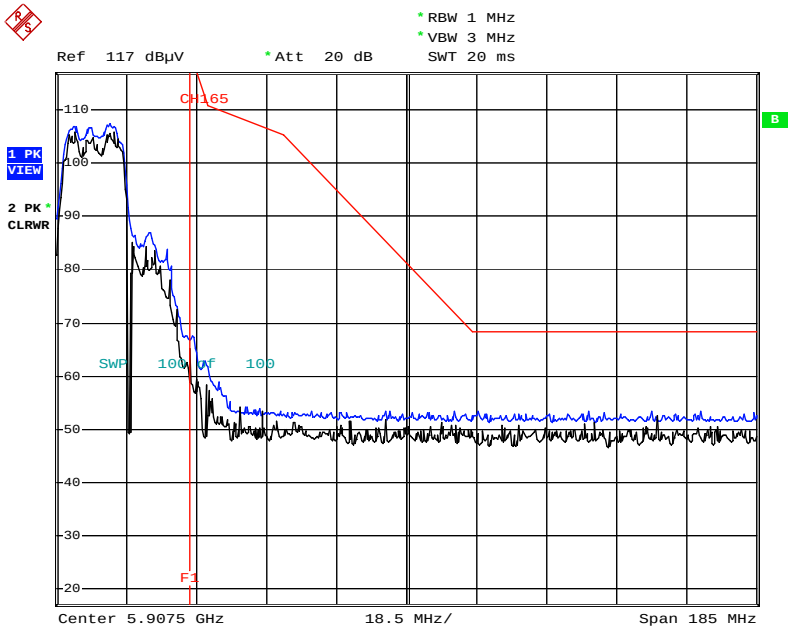
Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80, Ch.58, Y-H)



Date: 17.MAR.2017 16:09:37

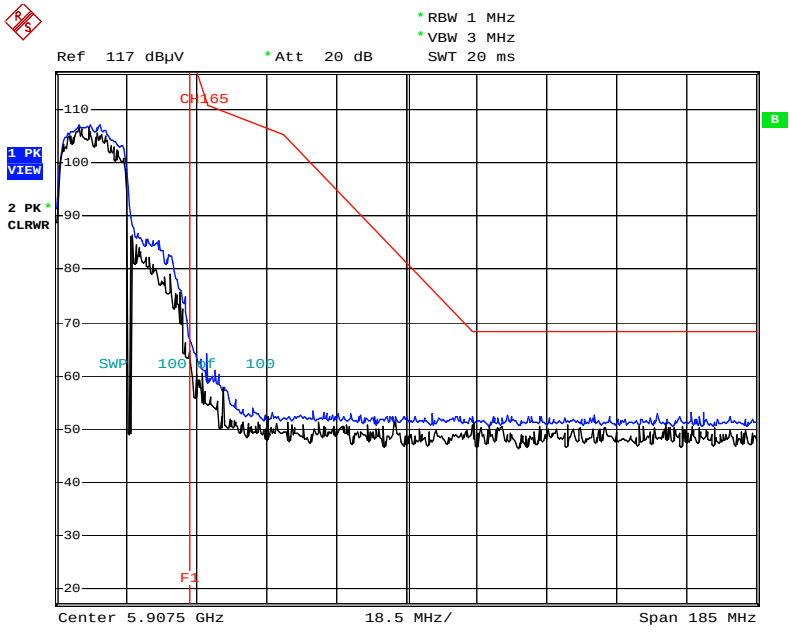
▣ RESULT PLOTS (UNII 3 – ch.165)

Radiated Restricted Band Edges plot – Peak Reading (802.11a)



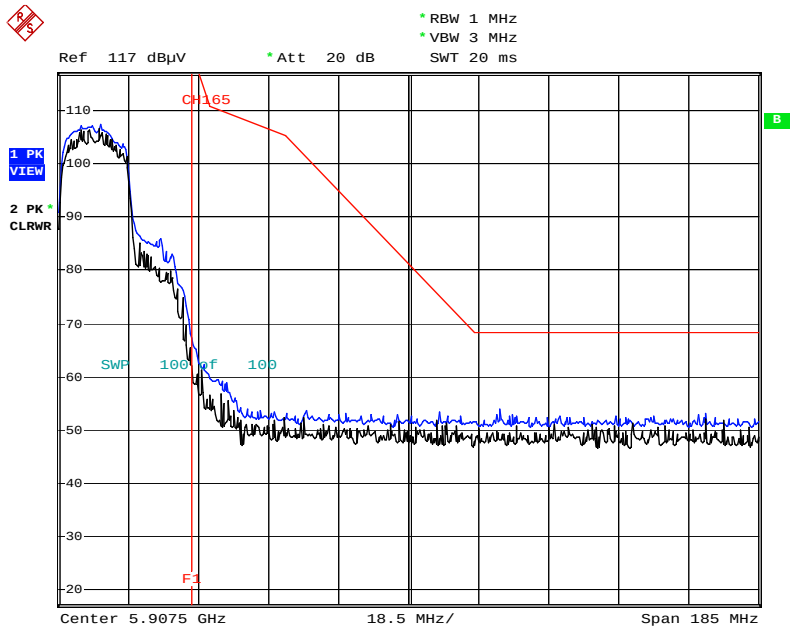
Date: 21.MAR.2017 15:48:32

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20)



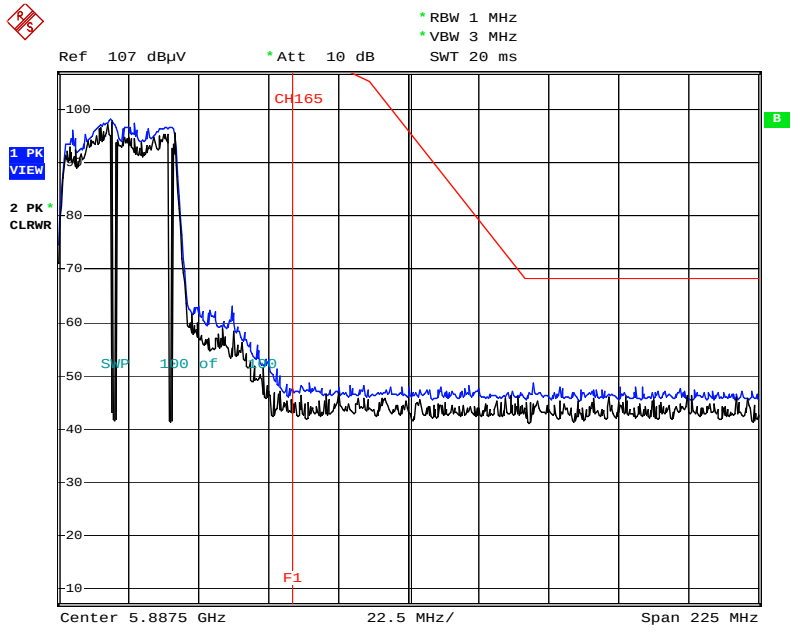
Date: 21.MAR.2017 15:49:32

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20)



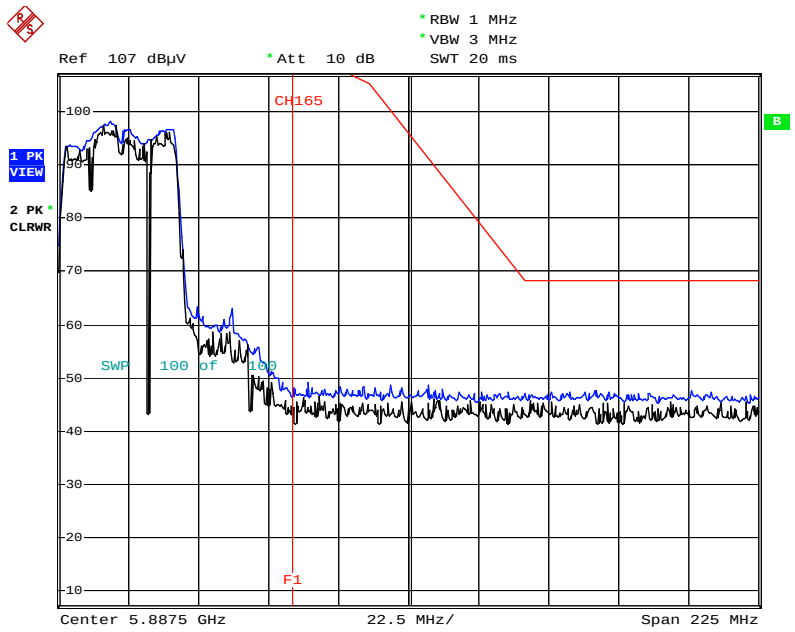
Date: 21.MAR.2017 15:50:12

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40)



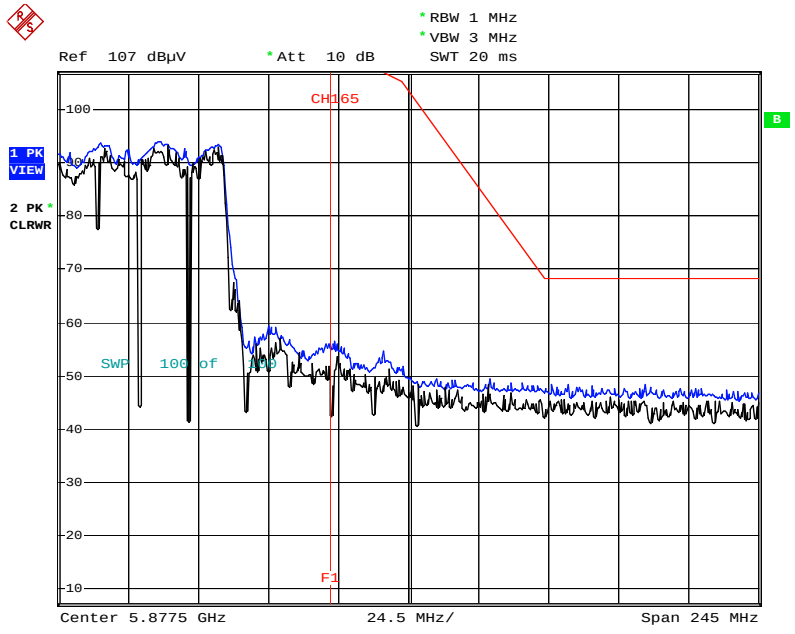
Date: 21.MAR.2017 15:52:32

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40)



Date: 21.MAR.2017 15:51:33

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80)



Date: 21.MAR.2017 15:53:33

9.7 POWERLINE CONDUCTED EMISSIONS

Test Requirements and limit, §15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference groundplane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

Sample Calculation

Quasi-peak(Final Result) = Reading Value + Correction Factor

▣ RESULT PLOTS

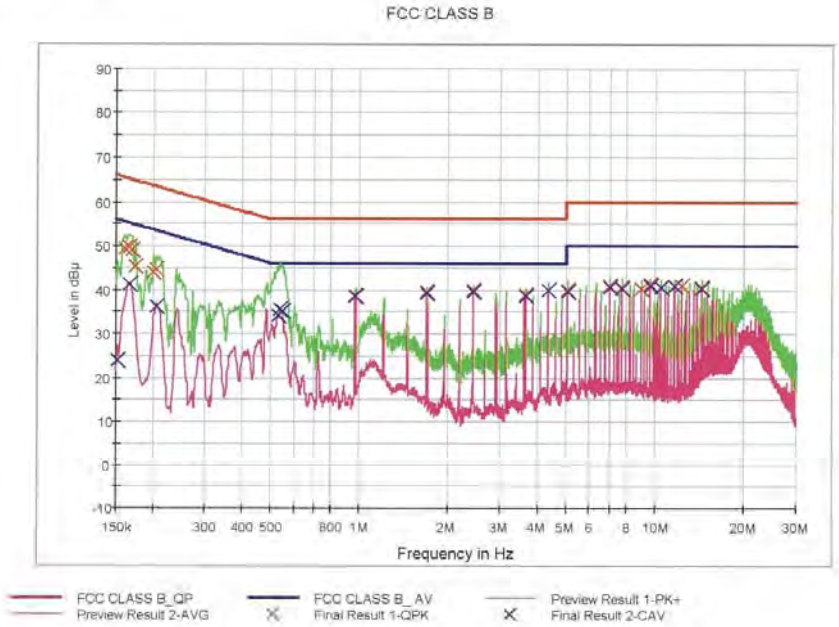
Conducted Emissions (Line 1)

EMI Auto Test(10) 1 / 2

HCT TEST Report

Common Information

EUT:	WEA512i
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	WLAN_5G



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.160000	49.4	9.000	Off	L1	9.6	16.1	65.5
0.166000	49.7	9.000	Off	L1	9.6	15.4	65.2
0.170000	49.1	9.000	Off	L1	9.6	15.8	65.0
0.174000	45.3	9.000	Off	L1	9.6	19.5	64.8
0.200000	43.9	9.000	Off	L1	9.6	19.7	63.6
0.206000	44.7	9.000	Off	L1	9.6	18.7	63.4
0.970000	38.4	9.000	Off	L1	9.7	17.6	56.0
1.696000	39.4	9.000	Off	L1	9.8	16.6	56.0
2.422000	39.9	9.000	Off	L1	9.8	16.1	56.0
3.634000	39.0	9.000	Off	L1	9.8	17.0	56.0
4.360000	39.8	9.000	Off	L1	9.9	16.2	56.0
5.086000	40.0	9.000	Off	L1	9.9	20.0	60.0
7.024000	40.7	9.000	Off	L1	10.0	19.3	60.0
7.750000	40.6	9.000	Off	L1	10.0	19.4	60.0
8.960000	40.1	9.000	Off	L1	10.1	19.9	60.0
9.688000	41.1	9.000	Off	L1	10.1	18.9	60.0
12.354000	41.0	9.000	Off	L1	10.2	19.0	60.0
14.292000	40.5	9.000	Off	L1	10.2	19.5	60.0

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EMI Auto Test(10) 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.152000	23.8	9.000	Off	L1	9.6	32.1	55.9
0.166000	41.2	9.000	Off	L1	9.6	13.9	55.2
0.206000	36.0	9.000	Off	L1	9.6	17.3	53.4
0.530000	34.0	9.000	Off	L1	9.7	12.0	46.0
0.538000	35.4	9.000	Off	L1	9.7	10.6	46.0
0.550000	35.1	9.000	Off	L1	9.7	10.9	46.0
0.968000	38.4	9.000	Off	L1	9.7	7.6	46.0
1.696000	39.3	9.000	Off	L1	9.8	6.7	46.0
2.422000	39.6	9.000	Off	L1	9.8	6.4	46.0
3.634000	38.6	9.000	Off	L1	9.8	7.4	46.0
4.360000	39.8	9.000	Off	L1	9.9	6.2	46.0
5.086000	39.7	9.000	Off	L1	9.9	10.3	50.0
7.024000	40.6	9.000	Off	L1	10.0	9.4	50.0
7.752000	40.2	9.000	Off	L1	10.0	9.8	50.0
9.688000	41.0	9.000	Off	L1	10.1	9.0	50.0
10.416000	40.6	9.000	Off	L1	10.1	9.4	50.0
11.626000	40.9	9.000	Off	L1	10.2	9.1	50.0
14.290000	40.2	9.000	Off	L1	10.2	9.8	50.0

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Conducted Emissions (Line 2)

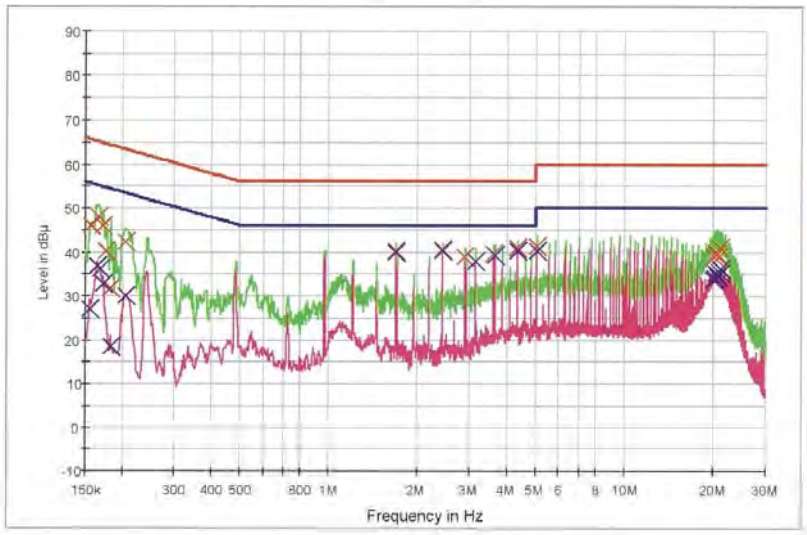
EMI Auto Test(10) 1 / 2

HCT TEST Report

Common Information

EUT:	WEA512i
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	WLAN_5G

FCC CLASS B



FCC CLASS B_QP Preview Result 2-AVG FCC CLASS B_AV Final Result 1-QPK Preview Result 1-PK+ Final Result 2-CAV

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.158000	45.9	9.000	Off	N	9.6	19.6	65.6
0.166000	47.9	9.000	Off	N	9.6	17.3	65.2
0.172000	46.0	9.000	Off	N	9.6	18.9	64.9
0.176000	40.1	9.000	Off	N	9.6	24.6	64.7
0.182000	31.6	9.000	Off	N	9.6	32.8	64.4
0.206000	42.3	9.000	Off	N	9.6	21.1	63.4
1.696000	40.1	9.000	Off	N	9.7	15.9	56.0
2.422000	40.5	9.000	Off	N	9.8	15.5	56.0
2.908000	38.7	9.000	Off	N	9.8	17.3	56.0
3.632000	39.7	9.000	Off	N	9.8	16.3	56.0
4.360000	40.9	9.000	Off	N	9.9	15.1	56.0
5.086000	41.3	9.000	Off	N	9.9	18.7	60.0
20.178000	38.8	9.000	Off	N	10.3	21.2	60.0
20.478000	40.0	9.000	Off	N	10.3	20.0	60.0
20.524000	39.5	9.000	Off	N	10.3	20.5	60.0
20.684000	39.5	9.000	Off	N	10.3	20.5	60.0
20.864000	38.8	9.000	Off	N	10.3	21.2	60.0
21.074000	40.9	9.000	Off	N	10.3	19.1	60.0

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EMI Auto Test(10) 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.156000	26.9	9.000	Off	N	9.6	28.8	55.7
0.164000	36.8	9.000	Off	N	9.6	18.4	55.3
0.168000	36.2	9.000	Off	N	9.6	18.9	55.1
0.172000	32.6	9.000	Off	N	9.6	22.3	54.9
0.182000	18.5	9.000	Off	N	9.6	35.9	54.4
0.206000	30.1	9.000	Off	N	9.6	23.2	53.4
1.696000	39.7	9.000	Off	N	9.7	6.3	46.0
2.422000	40.2	9.000	Off	N	9.8	5.8	46.0
3.150000	37.7	9.000	Off	N	9.8	8.3	46.0
3.634000	39.2	9.000	Off	N	9.8	6.8	46.0
4.360000	40.1	9.000	Off	N	9.9	5.9	46.0
5.086000	40.1	9.000	Off	N	9.9	9.9	50.0
20.018000	33.9	9.000	Off	N	10.3	16.1	50.0
20.178000	34.0	9.000	Off	N	10.3	16.0	50.0
20.478000	35.0	9.000	Off	N	10.3	15.0	50.0
20.724000	34.4	9.000	Off	N	10.3	15.6	50.0
21.074000	36.0	9.000	Off	N	10.3	14.0	50.0
21.120000	34.9	9.000	Off	N	10.4	15.1	50.0

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10. LIST OF TEST EQUIPMENT

10.1 LIST OF TEST EQUIPMENT(Conducted Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	12/23/2016	Annual	100073
Rohde & Schwarz	ESCI / Test Receiver	12/23/2016	Annual	100584
Agilent	N9020A / Signal Analyzer	06/24/2016	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	11/30/2016	Annual	MY49431210
Agilent	N1911A / Power Meter	09/28/2016	Annual	MY45101406
Agilent	N1921A / Power Sensor	08/24/2016	Annual	MY55220026
Agilent	87300B / Directional Coupler	11/23/2016	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	06/14/2016	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	07/07/2016	Annual	KR75303960
MCE / Weinschel	2-3 / Attenuator(20 dB)	10/24/2016	Annual	BR0592
Agilent	8493C / Attenuator(10 dB)	07/15/2016	Annual	07560

10.2 LIST OF TEST EQUIPMENT(Radiated Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Audix	AM4000 / Antenna Position Tower	N/A	N/A	N/A
Audix	Turn Table	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Rohde & Schwarz	Loop Antenna	04/19/2017	Biennial	1513-175
Schwarzbeck	VULB 9160 / TRILOG Antenna	10/14/2016	Biennial	9160-3368
Schwarzbeck	BBHA 9120D / Horn Antenna	08/25/2016	Biennial	1300
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	09/03/2015	Biennial	BBHA9170541
Rohde & Schwarz	FSP / Spectrum Analyzer	09/10/2016	Annual	100688
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/23/2016	Annual	101068-SZ
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	06/24/2016	Annual	8
Wainwright Instruments	WHFX7.0/18G-8SS / High Pass Filter	05/13/2016	Annual	29
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	07/06/2016	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/24/2017	Annual	2
Agilent	8493C-10 / Attenuator(10 dB)	08/11/2016	Annual	76649
CERNEX	CBLU1183540 / Power Amplifier	07/15/2016	Annual	22964
CERNEX	CBL06185030 / Power Amplifier	07/15/2016	Annual	22965
CERNEX	CBL18265035 / Power Amplifier	01/23/2017	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	07/11/2016	Annual	25956