

TEST Plot for 802.11n\_HT20\_Internal Ant

802.11n\_HT20 UNII 2C BAND PSD CH 144



802.11n\_HT20 UNII 3 BAND PSD CH 157



TEST Plot for 802.11n\_HT20\_External Ant

802.11n\_HT20 UNII 2C BAND PSD CH 116



802.11n\_HT20 UNII 3 BAND PSD CH 149



**Internal Ant**

**■ 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
5500	100	802.11ac _VHT20	7.637	0.424	8.061	11	Pass
5580	116		7.160	1.572	8.732		Pass
5720	144		9.301	0.424	9.725		Pass
5745	149		6.124	0.424	6.548	30	Pass
5785	157		6.459	0.424	6.883		Pass
5825	165		4.573	1.343	5.916		Pass

**External Ant**

**■ 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
5500	100	802.11ac _VHT20	8.320	1.562	9.882	11	Pass
5580	116		9.747	0.607	10.354		Pass
5720	144		9.808	0.607	10.415		Pass
5745	149		6.687	0.607	7.294	30	Pass
5785	157		6.302	0.423	6.725		Pass
5825	165		6.099	0.214	6.313		Pass

- Sum Data of Internal Ant and External Ant
- TEST RESULTS

**Conducted Power Density Measurements**

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11ac (VHT20)	5500	100	0.770	5.506	7.376	9.55	10.32	11.00
	5580	116	1.071	5.576	7.902	9.90	10.97	11.00
	5720	144	1.317	4.159	7.152	8.92	10.24	11.00
	5745	149	1.071	5.468	6.997	9.31	10.38	30.00
	5785	157	0.770	5.542	6.336	8.97	9.74	30.00
	5825	165	2.596	3.155	5.360	7.41	10.00	30.00

TEST Plot for 802.11ac\_VHT20\_Internal Ant

802.11ac\_VHT20 UNII 2C BAND PSD CH 144



802.11ac\_VHT20 UNII 3 BAND PSD CH 157



TEST Plot for 802.11ac\_VHT20\_External Ant

802.11ac\_VHT20 UNII 2C BAND PSD CH 144



802.11ac\_VHT20 UNII 3 BAND PSD CH 149



**Internal Ant**

**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
5510	102	802.11n _HT40	3.122	1.877	4.999	11	Pass
5550	110		5.965	0.446	6.411		Pass
5710	142		4.644	2.226	6.870		Pass
5755	151		2.278	0.810	3.088	30	Pass
5795	159		1.527	1.406	2.933		Pass

**External Ant**

**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
5510	102	802.11n _HT40	5.208	1.877	7.085	11	Pass
5550	110		5.845	1.877	7.722		Pass
5710	142		6.087	0.812	6.899		Pass
5755	151		3.212	1.410	4.622	30	Pass
5795	159		1.613	1.877	3.490		Pass

- Sum Data of Internal Ant and External Ant
- TEST RESULTS

**Conducted Power Density Measurements**

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11n (HT40)	5510	102	3.227	1.917	2.375	5.16	8.39	11.00
	5500	110	3.030	1.571	2.307	4.96	7.99	11.00
	5710	142	3.319	0.380	1.521	4.00	7.32	30.00
	5755	151	3.030	0.243	2.693	4.65	7.68	30.00
	5795	159	3.319	1.363	1.567	4.48	7.80	30.00

TEST Plot for 802.11n\_HT40\_Internal Ant

802.11n\_HT40 UNII 2C BAND PSD CH 142



802.11n\_HT40 UNII 3 BAND PSD CH 151



TEST Plot for 802.11n\_HT40\_External Ant

802.11n\_HT40 UNII 2C BAND PSD CH 110



802.11n\_HT40 UNII 3 BAND PSD CH 151



**Internal Ant**

**■ 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
5510	102	802.11ac_VHT40	1.812	2.171	3.983	11	Pass
5550	110		4.460	1.389	5.849		Pass
5710	142		6.140	0.444	6.584		Pass
5755	151		2.817	0.444	3.261	30	Pass
5795	159		1.773	1.838	3.611		Pass

**External Ant**

**■ 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
5510	102	802.11ac_VHT40	6.349	0.800	7.149	11	Pass
5550	110		5.957	1.838	7.795		Pass
5710	142		4.873	2.798	7.671		Pass
5755	151		3.352	1.838	5.190	30	Pass
5795	159		1.592	2.474	4.066		Pass

- Sum Data of Internal Ant and External Ant
- TEST RESULTS

**Conducted Power Density Measurements**

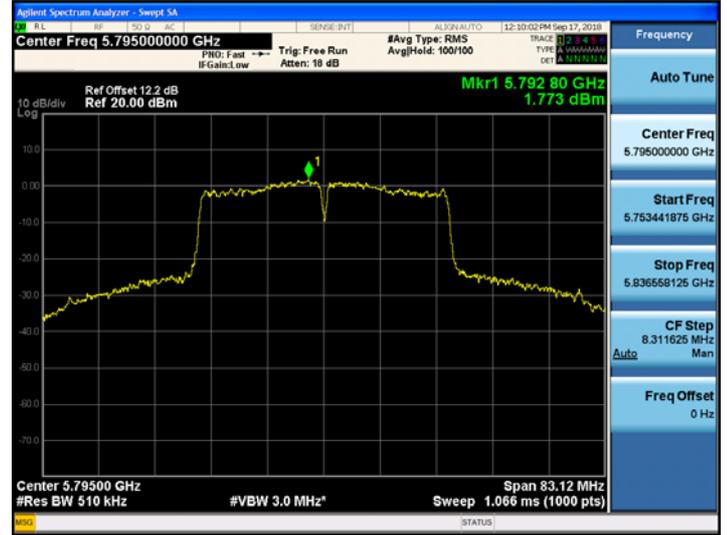
Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11ac (VHT40)	5510	102	3.227	-0.105	2.072	4.13	7.36	11.00
	5500	110	3.227	0.084	2.443	4.43	7.66	11.00
	5710	142	3.110	1.407	2.027	4.74	7.85	30.00
	5755	151	2.944	0.779	3.519	5.37	8.32	30.00
	5795	159	2.663	1.582	1.413	4.51	7.17	30.00

TEST Plot for 802.11ac\_VHT40\_Internal Ant

802.11ac\_VHT40 UNII 2C BAND PSD CH 110



802.11ac\_VHT40 UNII 3 BAND PSD CH 159



TEST Plot for 802.11ac\_VHT40\_External Ant

802.11ac\_VHT40 UNII 2C BAND PSD CH 110



802.11ac\_VHT40 UNII 3 BAND PSD CH 151



**Internal Ant**

**■ 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
5530	106	802.11ac _VHT80	-0.942	0.862	-0.080	11	Pass
5610	122		-0.778	3.729	2.951		Pass
5690	138		-0.119	3.729	3.610		Pass
5775	155		-1.008	1.481	0.473	30	Pass

**External Ant**

**■ 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
5530	106	802.11ac _VHT80	-0.479	3.825	3.346	11	Pass
5610	122		0.684	3.432	4.116		Pass
5690	138		0.867	2.795	3.662		Pass
5775	155		-2.434	3.825	1.391	30	Pass

- Sum Data of Internal Ant and External Ant
- TEST RESULTS

**Conducted Power Density Measurements**

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11ac (VHT80)	5530	106	3.992	-2.793	-2.444	0.40	4.39	11.00
	5610	122	4.360	-4.499	-2.430	-0.33	4.03	11.00
	5690	138	3.992	-2.116	-2.298	0.80	4.80	11.00
	5775	155	4.360	-3.590	-2.235	0.15	4.51	30.00

TEST Plot for 802.11ac\_VHT80\_Internal Ant

802.11ac\_VHT80 UNII 2C BAND PSD CH 138



802.11ac\_VHT80 UNII 3 BAND PSD CH 155



TEST Plot for 802.11ac\_VHT80\_External Ant

802.11ac\_VHT80 UNII 2C BAND PSD CH 122



802.11ac\_VHT80 UNII 3 BAND PSD CH 155



■ **Straddle channels TEST RESULTS for 802.11a/n\_HT20/ac\_VHT20\_Internal Ant**

**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	9.812	0.398	10.210	11.00	Pass
		802.11n	9.549	0.622	10.171	11.00	Pass
		802.11ac	9.800	0.424	10.224	11.00	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	5.019	0.398	5.417	30.00	Pass
		802.11n	4.642	0.622	5.264	30.00	Pass
		802.11ac	4.421	0.424	4.845	30.00	Pass

**Straddle channels TEST Plot for 802.11a/n\_HT20/ac\_VHT20\_Internal Ant**

**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\_External Ant**

**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	10.040	0.401	10.441	11.00	Pass
		802.11n	9.702	0.426	10.128	11.00	Pass
		802.11ac	10.316	0.607	10.923	11.00	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	5.005	0.401	5.406	30.00	Pass
		802.11n	4.570	0.426	4.996	30.00	Pass
		802.11ac	5.089	0.607	5.696	30.00	Pass

**Straddle channels TEST Plot for 802.11a/n\_HT20/ac\_VHT20\_External Ant**

**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 802.11n\_HT40/ac\_VHT40\_Internal Ant**

**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	4.489	2.226	6.715	11.00	Pass
		802.11ac	5.979	0.444	6.423	11.00	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	-0.858	2.226	1.368	30.00	Pass
		802.11ac	0.161	0.444	0.605	30.00	Pass

**Straddle channels TEST Plot for 802.11n\_HT40/ac\_VHT40\_Internal Ant**

**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\_External Ant**

**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	6.504	0.812	7.316	11.00	Pass
		802.11ac	4.828	2.798	7.626	11.00	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	0.597	0.812	1.409	30.00	Pass
		802.11ac	-0.897	2.798	1.901	30.00	Pass

**Straddle channels TEST Plot for 802.11n\_HT40/ac\_VHT40\_External Ant**

**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\_ Internal Ant

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

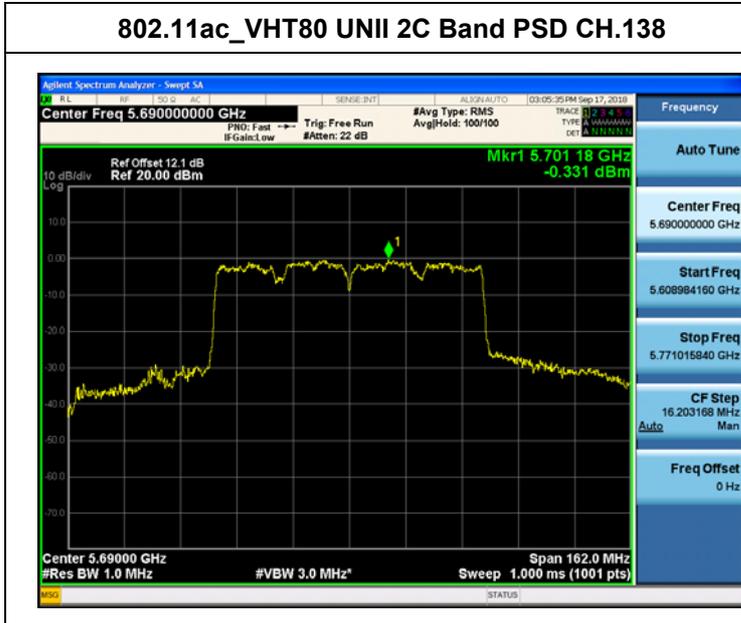
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-0.331	3.729	3.398	11.00	Pass

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

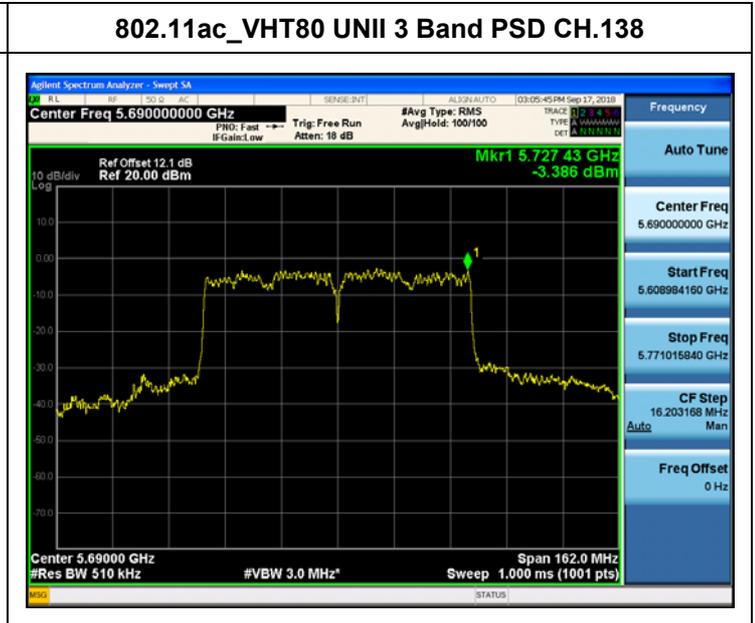
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-3.386	3.729	0.343	30.00	Pass

▣ Straddle channels TEST Plot for 802.11ac\_VHT80\_ Internal Ant

802.11ac\_VHT80 UNII 2C Band PSD CH.138



802.11ac\_VHT80 UNII 3 Band PSD CH.138



▣ **Straddle channels TEST RESULTS\_External Ant**

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

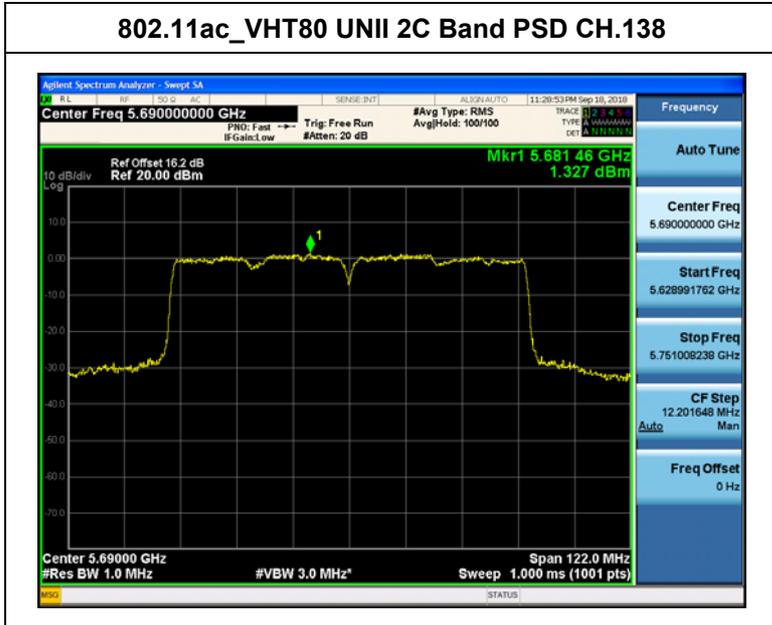
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	1.327	2.795	4.122	11.00	Pass

**Conducted Power Density Measurements (UNII 3 Band 5690MHz)**

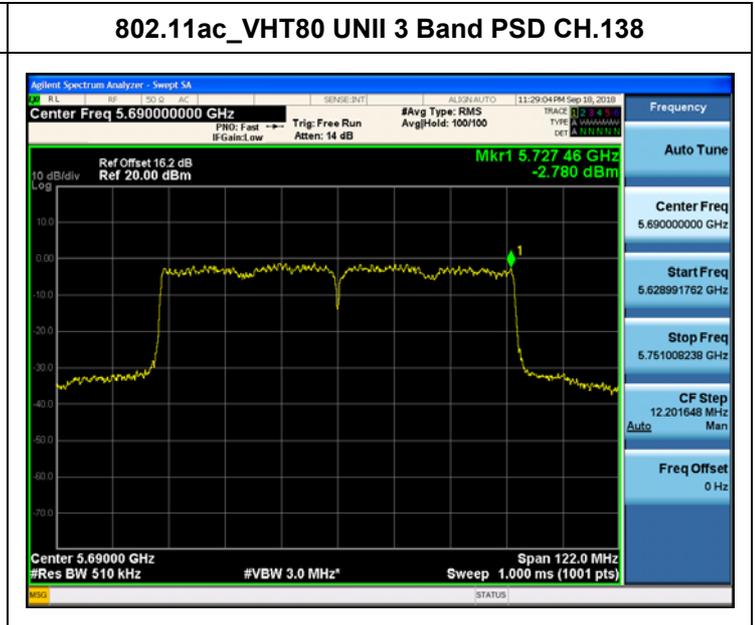
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-2.780	2.795	0.015	30.00	Pass

▣ **Straddle channels TEST Plot for 802.11ac\_VHT80\_External Ant**

**802.11ac\_VHT80 UNII 2C Band PSD CH.138**



**802.11ac\_VHT80 UNII 3 Band PSD CH.138**



### 10.6 FREQUENCY STABILITY

The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between -30 °C and 50 °C. The temperature was incremented by 10 °C 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.

**[Internal Ant]**

**20 MHz BW\_ Startup**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180069.20	69.20
100%		-30	5180087.23	87.23
100%		-20	5180091.59	91.59
100%		-10	5180036.48	36.48
100%		0	5180027.14	27.14
100%		+10	5180093.27	93.27
100%		+30	5180067.91	67.91
100%		+40	5180079.59	79.59
100%		+50	5180017.04	17.04
Max.		16.00	+20	5180085.35
Min.	9.00	+20	5180025.12	25.12

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260054.22	54.22
100%		-30	5260035.11	35.11
100%		-20	5260022.88	22.88
100%		-10	5260072.10	72.1
100%		0	5260096.25	96.25
100%		+10	5260050.79	50.79
100%		+30	5260067.56	67.56
100%		+40	5260019.53	19.53
100%		+50	5260092.85	92.85
Max.		16.00	+20	5260097.96
Min.	9.00	+20	5260082.39	82.39

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500025.80	25.80
100%		-30	5500027.91	27.91
100%		-20	5500046.73	46.73
100%		-10	5500028.38	28.38
100%		0	5500074.38	74.38
100%		+10	5500061.90	61.9
100%		+30	5500030.26	30.26
100%		+40	5500065.28	65.28
100%		+50	5500090.33	90.33
Max.		16.00	+20	5500016.88
Min.	9.00	+20	5500075.68	75.68

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745045.30	45.30
100%		-30	5745098.93	98.93
100%		-20	5745070.86	70.86
100%		-10	5745076.81	76.81
100%		0	5745056.75	56.75
100%		+10	5745020.53	20.53
100%		+30	5745046.81	46.81
100%		+40	5745080.34	80.34
100%		+50	5745042.51	42.51
Max.		16.00	+20	5745099.56
Min.	9.00	+20	5745026.12	26.12

**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.

**2 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180040.25	40.25
100%		-30	5180055.05	55.05
100%		-20	5180089.17	89.17
100%		-10	5180031.80	31.80
100%		0	5180025.41	25.41
100%		+10	5180011.21	11.21
100%		+30	5180097.75	97.75
100%		+40	5180013.94	13.94
100%		+50	5180047.28	47.28
Max.		16.00	+20	5180066.58
Min.	9.00	+20	5180034.67	34.67

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260076.32	76.32
100%		-30	5260003.26	3.26
100%		-20	5260066.31	66.31
100%		-10	5260061.90	61.9
100%		0	5260054.99	54.99
100%		+10	5260067.03	67.03
100%		+30	5260050.02	50.02
100%		+40	5260088.15	88.15
100%		+50	5260030.24	30.24
Max.		16.00	+20	5260065.30
Min.	9.00	+20	5260053.38	53.38

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500005.87	5.87
100%		-30	5500019.93	19.93
100%		-20	5500005.56	5.56
100%		-10	5500091.97	91.97
100%		0	5500005.85	5.85
100%		+10	5500017.88	17.88
100%		+30	5500020.84	20.84
100%		+40	5500083.21	83.21
100%		+50	5500023.81	23.81
Max.		16.00	+20	5500064.93
Min.	9.00	+20	5500063.49	63.49

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745081.60	81.60
100%		-30	5745068.08	68.08
100%		-20	5745054.50	54.5
100%		-10	5745057.50	57.5
100%		0	5745080.31	80.31
100%		+10	5745054.81	54.81
100%		+30	5745039.28	39.28
100%		+40	5745053.41	53.41
100%		+50	5745014.57	14.57
Max.		16.00	+20	5745085.73
Min.	9.00	+20	5745027.50	27.5

**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.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180002.07	2.07
100%		-30	5180060.92	60.92
100%		-20	5180067.15	67.15
100%		-10	5180097.06	97.06
100%		0	5180014.25	14.25
100%		+10	5180045.21	45.21
100%		+30	5180072.24	72.24
100%		+40	5180026.36	26.36
100%		+50	5180048.90	48.90
Max.		16.00	+20	5180097.22
Min.	9.00	+20	5180012.58	12.58

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260097.64	97.64
100%		-30	5260087.10	87.10
100%		-20	5260049.31	49.31
100%		-10	5260065.89	65.89
100%		0	5260013.87	13.87
100%		+10	5260056.05	56.05
100%		+30	5260014.40	14.4
100%		+40	5260004.20	4.2
100%		+50	5260039.76	39.76
Max.	16.00	+20	5260060.72	60.72
Min.	9.00	+20	5260018.15	18.15

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500014.94	14.94
100%		-30	5500080.66	80.66
100%		-20	5500055.97	55.97
100%		-10	5500002.92	2.92
100%		0	5500069.96	69.96
100%		+10	5500023.19	23.19
100%		+30	5500021.64	21.64
100%		+40	5500043.49	43.49
100%		+50	5500080.42	80.42
Max.		16.00	+20	5500099.32
Min.	9.00	+20	5500014.83	14.83

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745096.21	96.21
100%		-30	5745066.26	66.26
100%		-20	5745055.48	55.48
100%		-10	5745025.34	25.34
100%		0	5745051.29	51.29
100%		+10	5745083.06	83.06
100%		+30	5745016.21	16.21
100%		+40	5745040.63	40.63
100%		+50	5745003.87	3.87
Max.		16.00	+20	5745078.94
Min.	9.00	+20	5745062.10	62.1

**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.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180016.22	16.22
100%		-30	5180020.02	20.02
100%		-20	5180029.51	29.51
100%		-10	5180040.34	40.34
100%		0	5180069.29	69.29
100%		+10	5180063.74	63.74
100%		+30	5180013.43	13.43
100%		+40	5180029.81	29.81
100%		+50	5180068.96	68.96
Max.		16.00	+20	5180017.43
Min.	9.00	+20	5180065.91	65.91

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260056.61	56.61
100%		-30	5260073.62	73.62
100%		-20	5260087.84	87.84
100%		-10	5260051.89	51.89
100%		0	5260021.95	21.95
100%		+10	5260052.87	52.87
100%		+30	5260061.11	61.11
100%		+40	5260026.11	26.11
100%		+50	5260047.54	47.54
Max.		16.00	+20	5260013.89
Min.	9.00	+20	5260051.74	51.74

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500035.23	35.23
100%		-30	5500008.90	8.90
100%		-20	5500080.88	80.88
100%		-10	5500061.18	61.18
100%		0	5500097.97	97.97
100%		+10	5500073.89	73.89
100%		+30	5500031.96	31.96
100%		+40	5500055.53	55.53
100%		+50	5500097.76	97.76
Max.		16.00	+20	5500086.22
Min.	9.00	+20	5500011.59	11.59

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745061.99	61.99
100%		-30	5745036.12	36.12
100%		-20	5745031.50	31.5
100%		-10	5745087.28	87.28
100%		0	5745064.64	64.64
100%		+10	5745052.81	52.81
100%		+30	5745088.87	88.87
100%		+40	5745047.23	47.23
100%		+50	5745025.81	25.81
Max.		16.00	+20	5745032.66
Min.	9.00	+20	5745090.08	90.08

**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\_ Startup**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190063.46	63.46
100%		-30	5190003.02	3.02
100%		-20	5190087.17	87.17
100%		-10	5190059.78	59.78
100%		0	5190005.13	5.13
100%		+10	5190040.36	40.36
100%		+30	5190012.48	12.48
100%		+40	5190036.95	36.95
100%		+50	5190058.65	58.65
Max.		16.00	+20	5190005.53
Min.	9.00	+20	5190017.50	17.50

**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 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270065.95	65.95
100%		-30	5270073.94	73.94
100%		-20	5270052.57	52.57
100%		-10	5270076.06	76.06
100%		0	5270060.79	60.79
100%		+10	5270033.04	33.04
100%		+30	5270093.46	93.46
100%		+40	5270056.96	56.96
100%		+50	5270008.76	8.76
Max.		16.00	+20	5270071.13
Min.	9.00	+20	5270083.14	83.14

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510032.42	32.42
100%		-30	5510062.67	62.67
100%		-20	5510085.59	85.59
100%		-10	5510043.59	43.59
100%		0	5510054.95	54.95
100%		+10	5510017.51	17.51
100%		+30	5510047.72	47.72
100%		+40	5510002.76	2.76
100%		+50	5510053.76	53.76
Max.		16.00	+20	5510077.43
Min.	9.00	+20	5510017.02	17.02

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755093.02	93.02
100%		-30	5755054.12	54.12
100%		-20	5755050.33	50.33
100%		-10	5755020.58	20.58
100%		0	5755079.93	79.93
100%		+10	5755029.92	29.92
100%		+30	5755011.08	11.08
100%		+40	5755046.42	46.42
100%		+50	5755075.56	75.56
Max.		16.00	+20	5755041.12
Min.	9.00	+20	5755018.57	18.57

**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.

**2 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190004.19	4.19
100%		-30	5190084.46	84.46
100%		-20	5190041.48	41.48
100%		-10	5190004.74	4.74
100%		0	5190069.96	69.96
100%		+10	5190072.10	72.10
100%		+30	5190048.96	48.96
100%		+40	5190053.43	53.43
100%		+50	5190032.70	32.70
Max.		16.00	+20	5190094.55
Min.	9.00	+20	5190060.63	60.63

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270070.85	70.85
100%		-30	5270085.38	85.38
100%		-20	5270079.03	79.03
100%		-10	5270078.23	78.23
100%		0	5270048.16	48.16
100%		+10	5270072.20	72.2
100%		+30	5270041.16	41.16
100%		+40	5270004.08	4.08
100%		+50	5270057.93	57.93
Max.		16.00	+20	5270038.41
Min.	9.00	+20	5270011.48	11.48

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510004.32	4.32
100%		-30	5510043.72	43.72
100%		-20	5510086.51	86.51
100%		-10	5510099.03	99.03
100%		0	5510024.44	24.44
100%		+10	5510061.62	61.62
100%		+30	5510004.31	4.31
100%		+40	5510053.05	53.05
100%		+50	5510077.07	77.07
Max.		16.00	+20	5510013.50
Min.	9.00	+20	5510030.95	30.95

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755052.32	52.32
100%		-30	5755057.24	57.24
100%		-20	5755012.62	12.62
100%		-10	5755003.35	3.35
100%		0	5755055.99	55.99
100%		+10	5755040.61	40.61
100%		+30	5755094.43	94.43
100%		+40	5755007.63	7.63
100%		+50	5755005.17	5.17
Max.		16.00	+20	5755048.27
Min.	9.00	+20	5755083.39	83.39

**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.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190079.70	79.70
100%		-30	5190017.81	17.81
100%		-20	5190071.26	71.26
100%		-10	5190060.10	60.10
100%		0	5190001.17	1.17
100%		+10	5190070.46	70.46
100%		+30	5190082.90	82.90
100%		+40	5190069.71	69.71
100%		+50	5190042.44	42.44
Max.		16.00	+20	5190045.67
Min.	9.00	+20	5190054.39	54.39

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270066.88	66.88
100%		-30	5270046.52	46.52
100%		-20	5270001.55	1.55
100%		-10	5270059.38	59.38
100%		0	5270075.05	75.05
100%		+10	5270053.67	53.67
100%		+30	5270035.18	35.18
100%		+40	5270072.22	72.22
100%		+50	5270042.30	42.30
Max.		16.00	+20	5270013.99
Min.	9.00	+20	5270021.29	21.29

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510017.31	17.31
100%		-30	5510026.82	26.82
100%		-20	5510034.43	34.43
100%		-10	5510082.85	82.85
100%		0	5510086.69	86.69
100%		+10	5510018.20	18.2
100%		+30	5510059.26	59.26
100%		+40	5510040.92	40.92
100%		+50	5510032.77	32.77
Max.		16.00	+20	5510020.29
Min.	9.00	+20	5510086.91	86.91

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755083.31	83.31
100%		-30	5755066.19	66.19
100%		-20	5755043.17	43.17
100%		-10	5755059.94	59.94
100%		0	5755017.25	17.25
100%		+10	5755093.96	93.96
100%		+30	5755050.59	50.59
100%		+40	5755090.18	90.18
100%		+50	5755073.52	73.52
Max.		16.00	+20	5755080.46
Min.	9.00	+20	5755044.08	44.08

**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.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190045.67	45.67
100%		-30	5190008.74	8.74
100%		-20	5190071.38	71.38
100%		-10	5190025.75	25.75
100%		0	5190059.38	59.38
100%		+10	5190039.51	39.51
100%		+30	5190038.34	38.34
100%		+40	5190019.66	19.66
100%		+50	5190010.38	10.38
Max.		16.00	+20	5190004.29
Min.	9.00	+20	5190049.30	49.30

**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 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270085.42	85.42
100%		-30	5270081.73	81.73
100%		-20	5270036.16	36.16
100%		-10	5270032.53	32.53
100%		0	5270049.64	49.64
100%		+10	5270035.08	35.08
100%		+30	5270089.88	89.88
100%		+40	5270016.40	16.4
100%		+50	5270080.46	80.46
Max.		16.00	+20	5270006.10
Min.	9.00	+20	5270022.44	22.44

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510071.26	71.26
100%		-30	5510018.69	18.69
100%		-20	5510010.56	10.56
100%		-10	5510077.74	77.74
100%		0	5510047.80	47.8
100%		+10	5510008.46	8.46
100%		+30	5510090.40	90.4
100%		+40	5510015.34	15.34
100%		+50	5510035.12	35.12
Max.	16.00	+20	5510064.06	64.06
Min.	9.00	+20	5510097.74	97.74

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755010.02	10.02
100%		-30	5755020.08	20.08
100%		-20	5755092.77	92.77
100%		-10	5755090.69	90.69
100%		0	5755048.88	48.88
100%		+10	5755079.11	79.11
100%		+30	5755025.58	25.58
100%		+40	5755041.56	41.56
100%		+50	5755050.80	50.80
Max.		16.00	+20	5755066.91
Min.	9.00	+20	5755039.95	39.95

**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\_ Startup**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210036.36	36.36
100%		-30	5210018.27	18.27
100%		-20	5210028.78	28.78
100%		-10	5210074.05	74.05
100%		0	5210054.36	54.36
100%		+10	5210008.48	8.48
100%		+30	5210067.68	67.68
100%		+40	5210061.04	61.04
100%		+50	5210017.30	17.30
Max.		16.00	+20	5210026.89
Min.	9.00	+20	5210092.12	92.12

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290017.25	17.25
100%		-30	5290054.21	54.21
100%		-20	5290093.76	93.76
100%		-10	5290028.09	28.09
100%		0	5290069.93	69.93
100%		+10	5290034.32	34.32
100%		+30	5290085.70	85.7
100%		+40	5290004.48	4.48
100%		+50	5290062.38	62.38
Max.		16.00	+20	5290083.67
Min.	9.00	+20	5290002.52	2.52

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530054.15	54.15
100%		-30	5530015.94	15.94
100%		-20	5530030.73	30.73
100%		-10	5530006.56	6.56
100%		0	5530065.14	65.14
100%		+10	5530047.83	47.83
100%		+30	5530098.13	98.13
100%		+40	5530049.44	49.44
100%		+50	5530031.63	31.63
Max.		16.00	+20	5530029.82
Min.	9.00	+20	5530089.71	89.71

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775071.21	71.21
100%		-30	5775035.70	35.70
100%		-20	5775021.22	21.22
100%		-10	5775084.40	84.4
100%		0	5775071.38	71.38
100%		+10	5775051.86	51.86
100%		+30	5775091.91	91.91
100%		+40	5775019.85	19.85
100%		+50	5775039.37	39.37
Max.		16.00	+20	5775007.49
Min.	9.00	+20	5775030.70	30.7

**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.

**2 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210001.93	1.93
100%		-30	5210091.53	91.53
100%		-20	5210004.46	4.46
100%		-10	5210099.87	99.87
100%		0	5210076.64	76.64
100%		+10	5210074.82	74.82
100%		+30	5210055.47	55.47
100%		+40	5210006.53	6.53
100%		+50	5210037.72	37.72
Max.		16.00	+20	5210068.83
Min.	9.00	+20	5210088.77	88.77

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290020.65	20.65
100%		-30	5290007.59	7.59
100%		-20	5290017.87	17.87
100%		-10	5290044.79	44.79
100%		0	5290063.12	63.12
100%		+10	5290022.25	22.25
100%		+30	5290071.35	71.35
100%		+40	5290070.46	70.46
100%		+50	5290044.51	44.51
Max.		16.00	+20	5290029.68
Min.	9.00	+20	5290024.99	24.99

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530095.02	95.02
100%		-30	5530037.34	37.34
100%		-20	5530067.49	67.49
100%		-10	5530069.92	69.92
100%		0	5530092.99	92.99
100%		+10	5530096.78	96.78
100%		+30	5530089.46	89.46
100%		+40	5530095.42	95.42
100%		+50	5530077.25	77.25
Max.		16.00	+20	5530019.31
Min.	9.00	+20	5530072.45	72.45

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775063.14	63.14
100%		-30	5775006.97	6.97
100%		-20	5775064.97	64.97
100%		-10	5775067.91	67.91
100%		0	5775049.40	49.4
100%		+10	5775030.93	30.93
100%		+30	5775058.80	58.8
100%		+40	5775018.87	18.87
100%		+50	5775050.34	50.34
Max.		16.00	+20	5775005.59
Min.	9.00	+20	5775048.33	48.33

**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.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210006.42	6.42
100%		-30	5210090.27	90.27
100%		-20	5210024.57	24.57
100%		-10	5210088.30	88.30
100%		0	5210049.25	49.25
100%		+10	5210087.36	87.36
100%		+30	5210096.14	96.14
100%		+40	5210065.60	65.60
100%		+50	5210087.47	87.47
Max.		16.00	+20	5210058.37
Min.	9.00	+20	5210050.46	50.46

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290041.70	41.70
100%		-30	5290010.39	10.39
100%		-20	5290092.67	92.67
100%		-10	5290050.74	50.74
100%		0	5290073.93	73.93
100%		+10	5290014.45	14.45
100%		+30	5290008.03	8.03
100%		+40	5290033.77	33.77
100%		+50	5290097.85	97.85
Max.		16.00	+20	5290028.93
Min.	9.00	+20	5290033.87	33.87

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530003.58	3.58
100%		-30	5530070.28	70.28
100%		-20	5530095.18	95.18
100%		-10	5530066.53	66.53
100%		0	5530098.78	98.78
100%		+10	5530048.52	48.52
100%		+30	5530013.48	13.48
100%		+40	5530080.66	80.66
100%		+50	5530099.54	99.54
Max.		16.00	+20	5530064.18
Min.	9.00	+20	5530009.76	9.76

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775054.77	54.77
100%		-30	5775077.65	77.65
100%		-20	5775029.37	29.37
100%		-10	5775055.83	55.83
100%		0	5775079.65	79.65
100%		+10	5775023.48	23.48
100%		+30	5775021.95	21.95
100%		+40	5775095.78	95.78
100%		+50	5775006.25	6.25
Max.		16.00	+20	5775092.47
Min.	9.00	+20	5775023.02	23.02

**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.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210090.09	90.09
100%		-30	5210022.22	22.22
100%		-20	5210076.18	76.18
100%		-10	5210035.62	35.62
100%		0	5210085.63	85.63
100%		+10	5210039.75	39.75
100%		+30	5210003.20	3.20
100%		+40	5210024.02	24.02
100%		+50	5210068.46	68.46
Max.		16.00	+20	5210057.20
Min.	9.00	+20	5210044.51	44.51

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290018.16	18.16
100%		-30	5290049.53	49.53
100%		-20	5290012.58	12.58
100%		-10	5290014.17	14.17
100%		0	5290057.31	57.31
100%		+10	5290095.63	95.63
100%		+30	5290027.30	27.3
100%		+40	5290022.04	22.04
100%		+50	5290015.81	15.81
Max.		16.00	+20	5290038.97
Min.	9.00	+20	5290025.15	25.15

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530055.82	55.82
100%		-30	5530040.92	40.92
100%		-20	5530025.02	25.02
100%		-10	5530052.83	52.83
100%		0	5530041.99	41.99
100%		+10	5530010.57	10.57
100%		+30	5530076.63	76.63
100%		+40	5530079.53	79.53
100%		+50	5530008.33	8.33
Max.		16.00	+20	5530074.37
Min.	9.00	+20	5530061.09	61.09

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775071.68	71.68
100%		-30	5775001.04	1.04
100%		-20	5775088.46	88.46
100%		-10	5775065.35	65.35
100%		0	5775037.90	37.9
100%		+10	5775008.47	8.47
100%		+30	5775042.14	42.14
100%		+40	5775039.73	39.73
100%		+50	5775023.67	23.67
Max.		16.00	+20	5775041.47
Min.	9.00	+20	5775068.47	68.47

**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.

**[External Ant]**

**20 MHz BW\_ Startup**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180036.35	36.35
100%		-30	5180039.86	39.86
100%		-20	5180089.38	89.38
100%		-10	5180068.03	68.03
100%		0	5180017.55	17.55
100%		+10	5180064.75	64.75
100%		+30	5180037.08	37.08
100%		+40	5180019.60	19.60
100%		+50	5180006.80	6.80
Max.		16.00	+20	5180043.17
Min.	9.00	+20	5180029.61	29.61

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260062.26	62.26
100%		-30	5260086.58	86.58
100%		-20	5260092.03	92.03
100%		-10	5260014.12	14.12
100%		0	5260041.99	41.99
100%		+10	5260022.36	22.36
100%		+30	5260009.26	9.26
100%		+40	5260023.30	23.3
100%		+50	5260006.48	6.48
Max.		16.00	+20	5260028.82
Min.	9.00	+20	5260026.27	26.27

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500047.63	47.63
100%		-30	5500009.73	9.73
100%		-20	5500054.29	54.29
100%		-10	5500009.88	9.88
100%		0	5500022.84	22.84
100%		+10	5500062.76	62.76
100%		+30	5500015.16	15.16
100%		+40	5500078.02	78.02
100%		+50	5500013.92	13.92
Max.		16.00	+20	5500016.86
Min.	9.00	+20	5500035.42	35.42

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745095.97	95.97
100%		-30	5745052.35	52.35
100%		-20	5745081.57	81.57
100%		-10	5745023.62	23.62
100%		0	5745084.88	84.88
100%		+10	5745023.90	23.9
100%		+30	5745067.92	67.92
100%		+40	5745081.97	81.97
100%		+50	5745088.29	88.29
Max.		16.00	+20	5745064.32
Min.	9.00	+20	5745009.74	9.74

**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.

**2 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180005.48	5.48
100%		-30	5180057.28	57.28
100%		-20	5180091.77	91.77
100%		-10	5180046.85	46.85
100%		0	5180054.51	54.51
100%		+10	5180090.74	90.74
100%		+30	5180003.43	3.43
100%		+40	5180006.92	6.92
100%		+50	5180098.07	98.07
Max.		16.00	+20	5180036.63
Min.	9.00	+20	5180003.33	3.33

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260025.37	25.37
100%		-30	5260099.88	99.88
100%		-20	5260033.88	33.88
100%		-10	5260016.16	16.16
100%		0	5260092.81	92.81
100%		+10	5260095.09	95.09
100%		+30	5260003.65	3.65
100%		+40	5260028.04	28.04
100%		+50	5260047.73	47.73
Max.		16.00	+20	5260061.39
Min.	9.00	+20	5260086.93	86.93

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500040.43	40.43
100%		-30	5500071.87	71.87
100%		-20	5500008.63	8.63
100%		-10	5500048.19	48.19
100%		0	5500037.39	37.39
100%		+10	5500030.95	30.95
100%		+30	5500061.81	61.81
100%		+40	5500076.58	76.58
100%		+50	5500034.47	34.47
Max.		16.00	+20	5500048.56
Min.	9.00	+20	5500045.98	45.98

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745091.96	91.96
100%		-30	5745035.59	35.59
100%		-20	5745089.18	89.18
100%		-10	5745002.12	2.12
100%		0	5745067.64	67.64
100%		+10	5745064.71	64.71
100%		+30	5745019.65	19.65
100%		+40	5745046.06	46.06
100%		+50	5745024.85	24.85
Max.		16.00	+20	5745075.70
Min.	9.00	+20	5745016.53	16.53

**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.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180071.11	71.11
100%		-30	5180099.49	99.49
100%		-20	5180064.57	64.57
100%		-10	5180098.36	98.36
100%		0	5180079.40	79.40
100%		+10	5180036.76	36.76
100%		+30	5180083.98	83.98
100%		+40	5180046.22	46.22
100%		+50	5180012.02	12.02
Max.		16.00	+20	5180052.65
Min.	9.00	+20	5180077.52	77.52

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260030.83	30.83
100%		-30	5260045.64	45.64
100%		-20	5260078.66	78.66
100%		-10	5260074.15	74.15
100%		0	5260065.88	65.88
100%		+10	5260011.52	11.52
100%		+30	5260006.79	6.79
100%		+40	5260064.23	64.23
100%		+50	5260078.84	78.84
Max.		16.00	+20	5260068.33
Min.	9.00	+20	5260072.90	72.9

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500068.95	68.95
100%		-30	5500063.85	63.85
100%		-20	5500017.71	17.71
100%		-10	5500015.43	15.43
100%		0	5500095.17	95.17
100%		+10	5500055.15	55.15
100%		+30	5500009.34	9.34
100%		+40	5500031.19	31.19
100%		+50	5500054.25	54.25
Max.		16.00	+20	5500045.58
Min.	9.00	+20	5500051.53	51.53

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745033.19	33.19
100%		-30	5745003.73	3.73
100%		-20	5745030.20	30.2
100%		-10	5745074.28	74.28
100%		0	5745063.40	63.4
100%		+10	5745084.41	84.41
100%		+30	5745078.52	78.52
100%		+40	5745040.55	40.55
100%		+50	5745051.87	51.87
Max.		16.00	+20	5745031.14
Min.	9.00	+20	5745082.79	82.79

**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.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180022.65	22.65
100%		-30	5180030.94	30.94
100%		-20	5180066.87	66.87
100%		-10	5180016.89	16.89
100%		0	5180034.02	34.02
100%		+10	5180018.04	18.04
100%		+30	5180097.22	97.22
100%		+40	5180065.05	65.05
100%		+50	5180019.26	19.26
Max.		16.00	+20	5180076.91
Min.	9.00	+20	5180053.38	53.38

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260017.65	17.65
100%		-30	5260006.07	6.07
100%		-20	5260046.92	46.92
100%		-10	5260078.57	78.57
100%		0	5260047.53	47.53
100%		+10	5260008.53	8.53
100%		+30	5260074.16	74.16
100%		+40	5260001.03	1.03
100%		+50	5260074.52	74.52
Max.		16.00	+20	5260087.97
Min.	9.00	+20	5260006.41	6.41

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500069.79	69.79
100%		-30	5500053.34	53.34
100%		-20	5500089.11	89.11
100%		-10	5500079.36	79.36
100%		0	5500082.35	82.35
100%		+10	5500069.96	69.96
100%		+30	5500082.62	82.62
100%		+40	5500035.31	35.31
100%		+50	5500071.87	71.87
Max.		16.00	+20	5500092.80
Min.	9.00	+20	5500055.60	55.6

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745004.57	4.57
100%		-30	5745052.92	52.92
100%		-20	5745027.87	27.87
100%		-10	5745051.49	51.49
100%		0	5745077.12	77.12
100%		+10	5745080.87	80.87
100%		+30	5745086.32	86.32
100%		+40	5745074.56	74.56
100%		+50	5745090.84	90.84
Max.		16.00	+20	5745058.99
Min.	9.00	+20	5745050.98	50.98

**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\_ Startup**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190051.42	51.42
100%		-30	5190082.35	82.35
100%		-20	5190019.55	19.55
100%		-10	5190001.51	1.51
100%		0	5190018.41	18.41
100%		+10	5190076.84	76.84
100%		+30	5190041.83	41.83
100%		+40	5190060.30	60.30
100%		+50	5190038.69	38.69
Max.		16.00	+20	5190041.99
Min.	9.00	+20	5190046.80	46.80

**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: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270003.61	3.61
100%		-30	5270070.41	70.41
100%		-20	5270025.98	25.98
100%		-10	5270042.44	42.44
100%		0	5270076.62	76.62
100%		+10	5270031.90	31.9
100%		+30	5270079.44	79.44
100%		+40	5270093.53	93.53
100%		+50	5270068.42	68.42
Max.		16.00	+20	5270052.80
Min.	9.00	+20	5270061.27	61.27

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510029.28	29.28
100%		-30	5510069.57	69.57
100%		-20	5510080.97	80.97
100%		-10	5510095.55	95.55
100%		0	5510058.65	58.65
100%		+10	5510033.95	33.95
100%		+30	5510038.19	38.19
100%		+40	5510085.67	85.67
100%		+50	5510012.56	12.56
Max.		16.00	+20	5510044.87
Min.	9.00	+20	5510062.54	62.54

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755039.83	39.83
100%		-30	5755046.53	46.53
100%		-20	5755072.62	72.62
100%		-10	5755016.91	16.91
100%		0	5755036.67	36.67
100%		+10	5755056.31	56.31
100%		+30	5755019.33	19.33
100%		+40	5755086.95	86.95
100%		+50	5755026.81	26.81
Max.		16.00	+20	5755058.69
Min.	9.00	+20	5755025.61	25.61

**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.

**2 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190068.06	68.06
100%		-30	5190043.40	43.40
100%		-20	5190025.49	25.49
100%		-10	5190033.62	33.62
100%		0	5190023.36	23.36
100%		+10	5190047.34	47.34
100%		+30	5190069.26	69.26
100%		+40	5190022.66	22.66
100%		+50	5190032.32	32.32
Max.		16.00	+20	5190067.77
Min.	9.00	+20	5190098.73	98.73

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270071.65	71.65
100%		-30	5270065.31	65.31
100%		-20	5270099.44	99.44
100%		-10	5270028.13	28.13
100%		0	5270072.45	72.45
100%		+10	5270033.32	33.32
100%		+30	5270022.58	22.58
100%		+40	5270007.70	7.7
100%		+50	5270083.96	83.96
Max.		16.00	+20	5270079.03
Min.	9.00	+20	5270063.83	63.83

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510037.36	37.36
100%		-30	5510041.90	41.90
100%		-20	5510087.68	87.68
100%		-10	5510023.83	23.83
100%		0	5510082.63	82.63
100%		+10	5510082.42	82.42
100%		+30	5510064.22	64.22
100%		+40	5510024.69	24.69
100%		+50	5510098.36	98.36
Max.		16.00	+20	5510091.43
Min.	9.00	+20	5510033.52	33.52

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755065.98	65.98
100%		-30	5755038.22	38.22
100%		-20	5755007.19	7.19
100%		-10	5755084.37	84.37
100%		0	5755035.11	35.11
100%		+10	5755061.58	61.58
100%		+30	5755077.69	77.69
100%		+40	5755098.58	98.58
100%		+50	5755099.11	99.11
Max.		16.00	+20	5755053.29
Min.	9.00	+20	5755004.20	4.2

**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.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190064.53	64.53
100%		-30	5190047.19	47.19
100%		-20	5190072.34	72.34
100%		-10	5190022.05	22.05
100%		0	5190047.92	47.92
100%		+10	5190082.87	82.87
100%		+30	5190042.57	42.57
100%		+40	5190079.17	79.17
100%		+50	5190078.99	78.99
Max.		16.00	+20	5190012.60
Min.	9.00	+20	5190024.57	24.57

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270096.83	96.83
100%		-30	5270056.77	56.77
100%		-20	5270093.58	93.58
100%		-10	5270002.73	2.73
100%		0	5270040.55	40.55
100%		+10	5270036.43	36.43
100%		+30	5270002.50	2.5
100%		+40	5270046.22	46.22
100%		+50	5270051.57	51.57
Max.		16.00	+20	5270032.83
Min.	9.00	+20	5270092.23	92.23

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510099.95	99.95
100%		-30	5510041.10	41.10
100%		-20	5510075.56	75.56
100%		-10	5510023.56	23.56
100%		0	5510025.56	25.56
100%		+10	5510020.85	20.85
100%		+30	5510090.82	90.82
100%		+40	5510079.65	79.65
100%		+50	5510096.51	96.51
Max.		16.00	+20	5510058.24
Min.	9.00	+20	5510071.85	71.85

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755046.41	46.41
100%		-30	5755045.93	45.93
100%		-20	5755048.57	48.57
100%		-10	5755057.11	57.11
100%		0	5755025.64	25.64
100%		+10	5755092.90	92.9
100%		+30	5755029.82	29.82
100%		+40	5755046.08	46.08
100%		+50	5755062.09	62.09
Max.		16.00	+20	5755072.02
Min.	9.00	+20	5755012.21	12.21

**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.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190047.86	47.86
100%		-30	5190080.06	80.06
100%		-20	5190090.57	90.57
100%		-10	5190041.19	41.19
100%		0	5190062.11	62.11
100%		+10	5190088.62	88.62
100%		+30	5190082.58	82.58
100%		+40	5190071.22	71.22
100%		+50	5190028.95	28.95
Max.		16.00	+20	5190089.05
Min.	9.00	+20	5190007.44	7.44

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270045.03	45.03
100%		-30	5270051.03	51.03
100%		-20	5270068.96	68.96
100%		-10	5270026.75	26.75
100%		0	5270019.34	19.34
100%		+10	5270034.17	34.17
100%		+30	5270063.75	63.75
100%		+40	5270028.33	28.33
100%		+50	5270040.43	40.43
Max.		16.00	+20	5270075.13
Min.	9.00	+20	5270071.44	71.44

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510051.96	51.96
100%		-30	5510010.65	10.65
100%		-20	5510023.71	23.71
100%		-10	5510060.85	60.85
100%		0	5510022.75	22.75
100%		+10	5510022.53	22.53
100%		+30	5510058.76	58.76
100%		+40	5510006.54	6.54
100%		+50	5510051.83	51.83
Max.		16.00	+20	5510041.76
Min.	9.00	+20	5510010.05	10.05

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755048.63	48.63
100%		-30	5755020.68	20.68
100%		-20	5755068.97	68.97
100%		-10	5755082.56	82.56
100%		0	5755080.78	80.78
100%		+10	5755033.02	33.02
100%		+30	5755043.82	43.82
100%		+40	5755015.40	15.4
100%		+50	5755018.45	18.45
Max.		16.00	+20	5755088.05
Min.	9.00	+20	5755057.88	57.88

**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\_ Startup**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210012.29	12.29
100%		-30	5210019.99	19.99
100%		-20	5210015.92	15.92
100%		-10	5210048.35	48.35
100%		0	5210035.43	35.43
100%		+10	5210082.67	82.67
100%		+30	5210085.91	85.91
100%		+40	5210023.85	23.85
100%		+50	5210020.92	20.92
Max.		16.00	+20	5210032.47
Min.	9.00	+20	5210016.25	16.25

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290032.56	32.56
100%		-30	5290085.50	85.50
100%		-20	5290072.04	72.04
100%		-10	5290006.37	6.37
100%		0	5290077.53	77.53
100%		+10	5290079.59	79.59
100%		+30	5290066.31	66.31
100%		+40	5290025.97	25.97
100%		+50	5290028.11	28.11
Max.		16.00	+20	5290092.57
Min.	9.00	+20	5290095.62	95.62

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530023.32	23.32
100%		-30	5530098.21	98.21
100%		-20	5530084.66	84.66
100%		-10	5530023.19	23.19
100%		0	5530015.97	15.97
100%		+10	5530055.66	55.66
100%		+30	5530011.79	11.79
100%		+40	5530038.02	38.02
100%		+50	5530036.82	36.82
Max.		16.00	+20	5530047.73
Min.	9.00	+20	5530075.97	75.97

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775094.81	94.81
100%		-30	5775015.23	15.23
100%		-20	5775041.95	41.95
100%		-10	5775064.88	64.88
100%		0	5775005.75	5.75
100%		+10	5775025.63	25.63
100%		+30	5775098.09	98.09
100%		+40	5775055.94	55.94
100%		+50	5775029.07	29.07
Max.		16.00	+20	5775046.77
Min.	9.00	+20	5775040.65	40.65

**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.

**2 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210067.42	67.42
100%		-30	5210081.92	81.92
100%		-20	5210024.53	24.53
100%		-10	5210027.03	27.03
100%		0	5210012.89	12.89
100%		+10	5210065.76	65.76
100%		+30	5210013.26	13.26
100%		+40	5210026.98	26.98
100%		+50	5210085.80	85.80
Max.	16.00	+20	5210013.04	13.04
Min.	9.00	+20	5210077.71	77.71

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290081.56	81.56
100%		-30	5290052.74	52.74
100%		-20	5290078.54	78.54
100%		-10	5290082.31	82.31
100%		0	5290020.56	20.56
100%		+10	5290004.85	4.85
100%		+30	5290026.70	26.7
100%		+40	5290098.18	98.18
100%		+50	5290032.71	32.71
Max.	16.00	+20	5290038.92	38.92
Min.	9.00	+20	5290099.64	99.64

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530033.16	33.16
100%		-30	5530024.06	24.06
100%		-20	5530047.44	47.44
100%		-10	5530010.46	10.46
100%		0	5530013.67	13.67
100%		+10	5530044.17	44.17
100%		+30	5530076.42	76.42
100%		+40	5530071.76	71.76
100%		+50	5530090.90	90.90
Max.	16.00	+20	5530017.28	17.28
Min.	9.00	+20	5530011.89	11.89

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775021.89	21.89
100%		-30	5775058.02	58.02
100%		-20	5775030.54	30.54
100%		-10	5775005.47	5.47
100%		0	5775021.42	21.42
100%		+10	5775095.46	95.46
100%		+30	5775069.55	69.55
100%		+40	5775080.15	80.15
100%		+50	5775045.33	45.33
Max.		16.00	+20	5775003.61
Min.	9.00	+20	5775042.81	42.81

**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.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210056.91	56.91
100%		-30	5210036.38	36.38
100%		-20	5210001.47	1.47
100%		-10	5210021.50	21.50
100%		0	5210077.33	77.33
100%		+10	5210043.10	43.10
100%		+30	5210040.13	40.13
100%		+40	5210025.16	25.16
100%		+50	5210062.07	62.07
Max.		16.00	+20	5210023.91
Min.	9.00	+20	5210060.21	60.21

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290044.10	44.10
100%		-30	5290036.66	36.66
100%		-20	5290044.17	44.17
100%		-10	5290091.76	91.76
100%		0	5290049.13	49.13
100%		+10	5290079.78	79.78
100%		+30	5290031.87	31.87
100%		+40	5290040.22	40.22
100%		+50	5290083.40	83.40
Max.		16.00	+20	5290002.53
Min.	9.00	+20	5290017.48	17.48

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530014.20	14.20
100%		-30	5530076.87	76.87
100%		-20	5530023.68	23.68
100%		-10	5530052.47	52.47
100%		0	5530016.41	16.41
100%		+10	5530099.37	99.37
100%		+30	5530069.28	69.28
100%		+40	5530004.73	4.73
100%		+50	5530082.34	82.34
Max.		16.00	+20	5530006.28
Min.	9.00	+20	5530030.17	30.17

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775063.38	63.38
100%		-30	5775076.53	76.53
100%		-20	5775075.56	75.56
100%		-10	5775028.28	28.28
100%		0	5775073.34	73.34
100%		+10	5775071.91	71.91
100%		+30	5775002.60	2.6
100%		+40	5775047.31	47.31
100%		+50	5775033.54	33.54
Max.		16.00	+20	5775005.59
Min.	9.00	+20	5775042.74	42.74

**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.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210044.78	44.78
100%		-30	5210072.79	72.79
100%		-20	5210046.41	46.41
100%		-10	5210020.62	20.62
100%		0	5210097.80	97.80
100%		+10	5210072.17	72.17
100%		+30	5210089.74	89.74
100%		+40	5210053.88	53.88
100%		+50	5210024.17	24.17
Max.		16.00	+20	5210060.70
Min.	9.00	+20	5210054.76	54.76

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290066.71	66.71
100%		-30	5290071.55	71.55
100%		-20	5290039.83	39.83
100%		-10	5290026.81	26.81
100%		0	5290088.30	88.3
100%		+10	5290096.86	96.86
100%		+30	5290090.20	90.2
100%		+40	5290005.81	5.81
100%		+50	5290032.55	32.55
Max.		16.00	+20	5290042.11
Min.	9.00	+20	5290046.95	46.95

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530086.54	86.54
100%		-30	5530064.90	64.90
100%		-20	5530097.52	97.52
100%		-10	5530002.28	2.28
100%		0	5530053.58	53.58
100%		+10	5530045.88	45.88
100%		+30	5530088.77	88.77
100%		+40	5530003.60	3.6
100%		+50	5530011.33	11.33
Max.		16.00	+20	5530024.15
Min.	9.00	+20	5530029.74	29.74

**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: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775059.85	59.85
100%		-30	5775097.07	97.07
100%		-20	5775084.33	84.33
100%		-10	5775010.98	10.98
100%		0	5775034.61	34.61
100%		+10	5775006.04	6.04
100%		+30	5775095.99	95.99
100%		+40	5775055.78	55.78
100%		+50	5775037.73	37.73
Max.		16.00	+20	5775003.51
Min.	9.00	+20	5775086.90	86.9

**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.

## 10.7 RADIATED MEASUREMENT

### 10.7.1 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

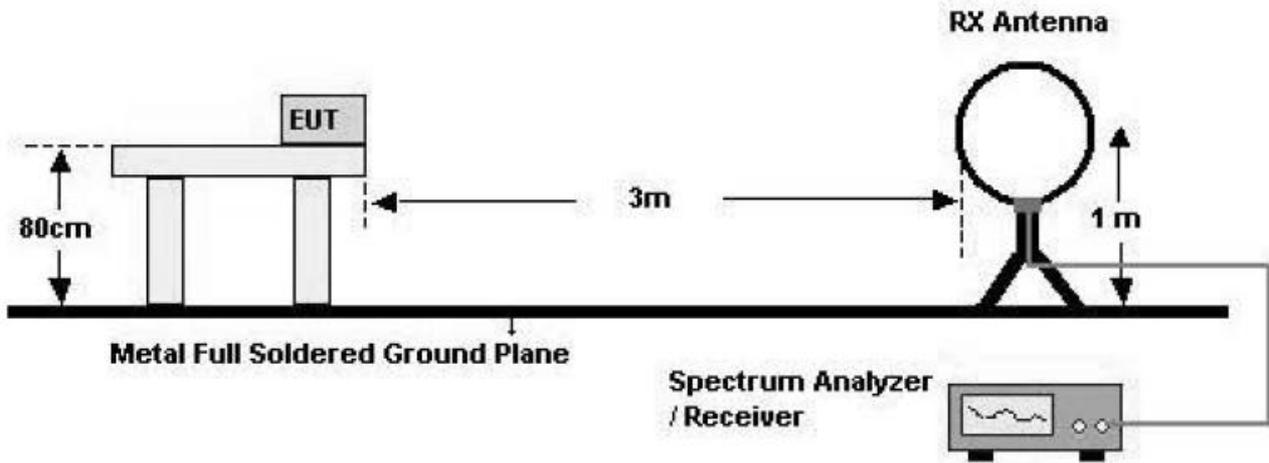
#### ■ §15.407,RSS-247, KDB 789033 D02

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.

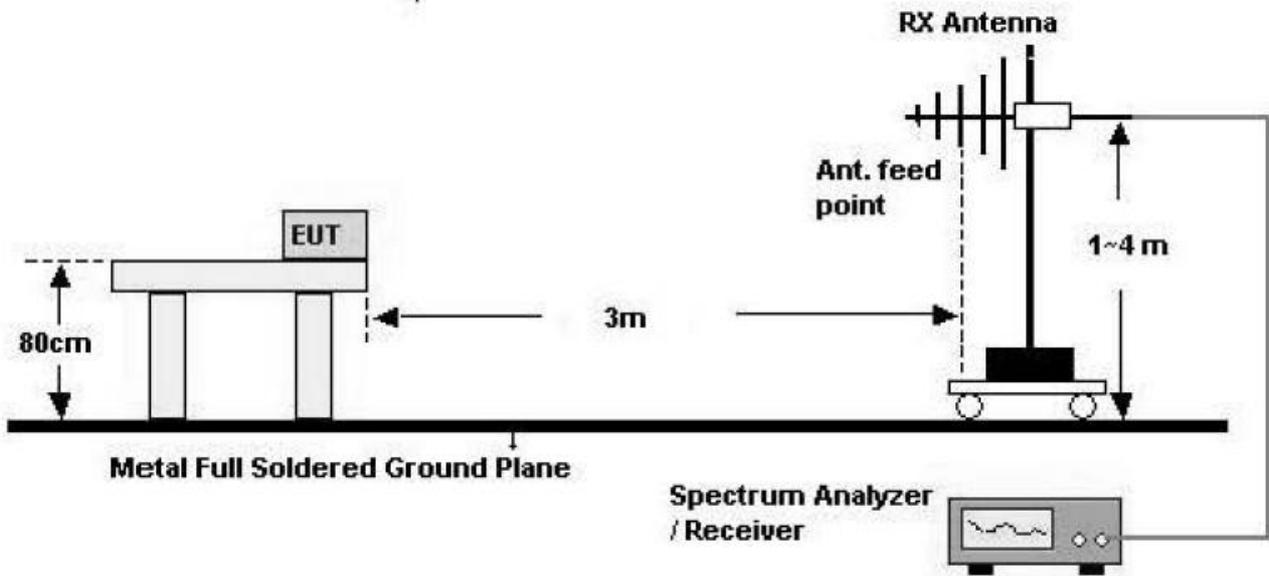
Especially, for transmitter operating in the 5725 Mhz – 5850 MHz : All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

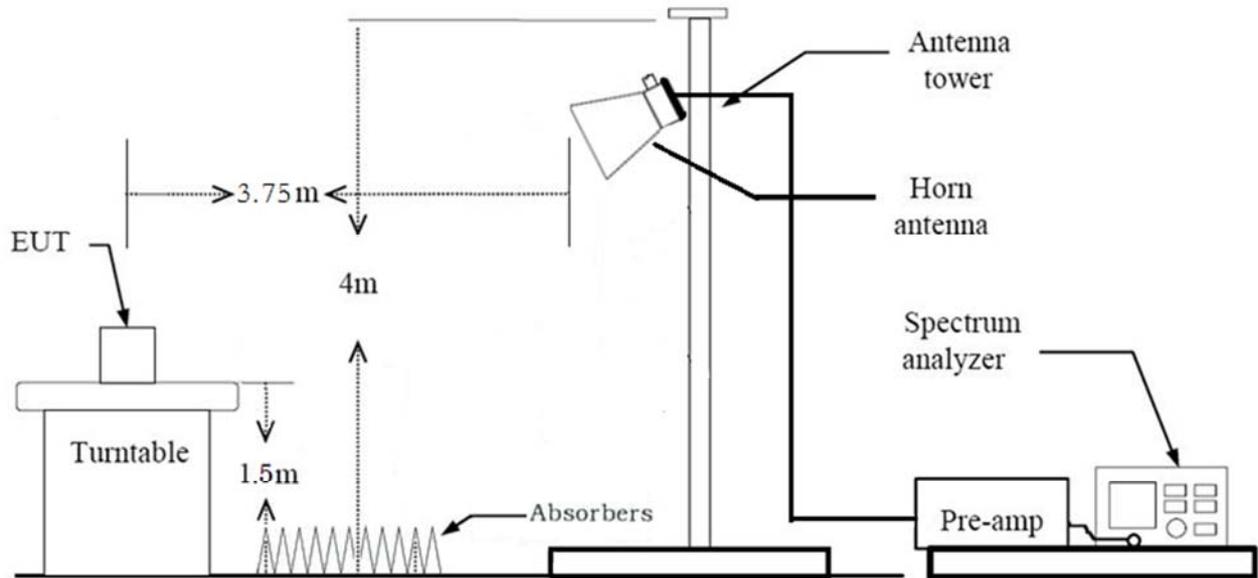
### Test Configuration

#### Below 30 MHz



#### 30 MHz - 1 GHz



**Above 1 GHz****TEST PROCEDURE USED**

ANSI C63.10:2013

Method G)5) in KDB 789033 D02 v02r01 (Peak)

Method G)6)d) in KDB 789033 D02 v02r01 (Average)

**. Spectrum setting:**

- Peak.

1. RBW = 1 MHz

2. VBW  $\geq$  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  $\geq 98$  percent, set  $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.

2.2. If the EUT duty cycle is  $< 98$  percent, set  $VBW \geq 1/T$ , 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 minimum 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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

**[Internal Ant]**

Mode	Worst Data rate (Mbps)	T <sub>on</sub> (ms)	T <sub>total</sub> (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
<b>a</b>	<b>6</b>	<b>2.063</b>	<b>2.167</b>	<b>0.95200007</b>	<b>485</b>	<b>1000</b>
<b>n_HT20</b>	<b>MCS 0</b>	<b>1.919</b>	<b>2.021</b>	<b>0.94970140</b>	<b>521</b>	<b>1000</b>
<b>ac_VHT20</b>	<b>MCS 0</b>	<b>1.936</b>	<b>2.033</b>	<b>0.95199992</b>	<b>517</b>	<b>1000</b>
<b>n_HT40</b>	<b>MCS 0</b>	<b>0.943</b>	<b>1.045</b>	<b>0.90238868</b>	<b>1061</b>	<b>3000</b>
<b>ac_VHT40</b>	<b>MCS 0</b>	<b>0.951</b>	<b>1.054</b>	<b>0.90283147</b>	<b>1051</b>	<b>3000</b>
<b>ac_VHT80</b>	<b>MCS 0</b>	<b>0.460</b>	<b>0.561</b>	<b>0.81996435</b>	<b>2174</b>	<b>3000</b>

**[External Ant]**

Mode	Worst Data rate (Mbps)	T <sub>on</sub> (ms)	T <sub>total</sub> (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
<b>a</b>	<b>6</b>	<b>2.062</b>	<b>2.163</b>	<b>0.95300605</b>	<b>485</b>	<b>1000</b>
<b>n_HT20</b>	<b>MCS 0</b>	<b>1.920</b>	<b>2.024</b>	<b>0.94860822</b>	<b>521</b>	<b>1000</b>
<b>ac_VHT20</b>	<b>MCS 0</b>	<b>1.936</b>	<b>2.033</b>	<b>0.95199992</b>	<b>517</b>	<b>1000</b>
<b>n_HT40</b>	<b>MCS 0</b>	<b>0.945</b>	<b>1.046</b>	<b>0.90322837</b>	<b>1059</b>	<b>3000</b>
<b>ac_VHT40</b>	<b>MCS 0</b>	<b>0.953</b>	<b>1.054</b>	<b>0.90392125</b>	<b>1050</b>	<b>3000</b>
<b>ac_VHT80</b>	<b>MCS 0</b>	<b>0.460</b>	<b>0.561</b>	<b>0.82020143</b>	<b>2173</b>	<b>3000</b>

**TEST RESULTS**

**9 kHz – 30MHz**

**Operation Mode:** Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB $\mu$ V	dB /m	dB	(H/V)	dB $\mu$ V/m	dB $\mu$ V/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
MHz	$\text{dB}_{\mu\text{V}}$	dB /m	dB	(H/V)	$\text{dB}_{\mu\text{V}}/\text{m}$	$\text{dB}_{\mu\text{V}}/\text{m}$	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.

**Above 1 GHz**

**[Internal Ant]**

Band :	UNII 1
Operation Mode:	802.11 a
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	59.31	4.47	V	63.78	68.20	4.42	PK
15540	65.66	1.80	V	67.46	73.98	6.52	PK
15540	48.79	1.80	V	50.59	53.98	3.39	AV
10360	58.65	4.47	H	63.12	68.20	5.08	PK
15540	64.79	1.80	H	66.59	73.98	7.39	PK
15540	48.51	1.80	H	50.31	53.98	3.67	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 a
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	60.31	3.22	V	63.53	68.20	4.67	PK
15600	66.31	1.06	V	67.37	73.98	6.61	PK
15600	49.24	1.06	V	50.30	53.98	3.68	AV
10400	59.71	3.22	H	62.93	68.20	5.27	PK
15600	65.72	1.06	H	66.78	73.98	7.20	PK
15600	48.99	1.06	H	50.05	53.98	3.93	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 a
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	60.24	3.53	V	63.77	68.20	4.43	PK
15720	65.68	1.54	V	67.22	73.98	6.76	PK
15720	49.15	1.54	V	50.69	53.98	3.29	AV
10480	59.75	3.53	H	63.28	68.20	4.92	PK
15720	64.87	1.54	H	66.41	73.98	7.57	PK
15720	49.04	1.54	H	50.58	53.98	3.40	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
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	4.47	V	63.42	68.20	4.78	PK
15540	66.92	1.80	V	68.72	73.98	5.26	PK
15540	48.45	1.80	V	50.25	53.98	3.73	AV
10360	58.67	4.47	H	63.14	68.20	5.06	PK
15540	65.93	1.80	H	67.73	73.98	6.25	PK
15540	48.32	1.80	H	50.12	53.98	3.86	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
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	60.12	3.22	V	63.34	68.20	4.86	PK
15600	66.55	1.06	V	67.61	73.98	6.37	PK
15600	48.77	1.06	V	49.83	53.98	4.15	AV
10400	60.06	3.22	H	63.28	68.20	4.92	PK
15600	65.89	1.06	H	66.95	73.98	7.03	PK
15600	48.68	1.06	H	49.74	53.98	4.24	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band : UNII 1  
 Operation Mode: 802.11 n\_HT20  
 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	60.17	3.53	V	63.70	68.20	4.50	PK
15720	66.50	1.54	V	68.04	73.98	5.94	PK
15720	48.96	1.54	V	50.50	53.98	3.48	AV
10480	59.89	3.53	H	63.42	68.20	4.78	PK
15720	65.79	1.54	H	67.33	73.98	6.65	PK
15720	48.83	1.54	H	50.37	53.98	3.61	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 802.11n\_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  
 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	58.84	4.47	V	63.31	68.20	4.89	PK
15540	66.40	1.80	V	68.20	73.98	5.78	PK
15540	48.15	1.80	V	49.95	53.98	4.03	AV
10360	58.65	4.47	H	63.12	68.20	5.08	PK
15540	66.23	1.80	H	68.03	73.98	5.95	PK
15540	48.04	1.80	H	49.84	53.98	4.14	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 1  
 Operation Mode: 802.11 ac\_VHT20  
 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	59.78	3.22	V	63.00	68.20	5.20	PK
15600	65.98	1.06	V	67.04	73.98	6.94	PK
15600	49.19	1.06	V	50.25	53.98	3.73	AV
10400	59.61	3.22	H	62.83	68.20	5.37	PK
15600	65.48	1.06	H	66.54	73.98	7.44	PK
15600	49.04	1.06	H	50.10	53.98	3.88	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 802.11ac\_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  
 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	59.86	3.53	V	63.39	68.20	4.81	PK
15720	66.19	1.54	V	67.73	73.98	6.25	PK
15720	48.20	1.54	V	49.74	53.98	4.24	AV
10480	59.72	3.53	H	63.25	68.20	4.95	PK
15720	66.08	1.54	H	67.62	73.98	6.36	PK
15720	48.11	1.54	H	49.65	53.98	4.33	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  
 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	58.23	2.88	V	61.11	68.20	7.09	PK
15570	64.19	1.57	V	65.76	73.98	8.22	PK
15570	48.48	1.57	V	50.05	53.98	3.93	AV
10380	58.13	2.88	H	61.01	68.20	7.19	PK
15570	64.05	1.57	H	65.62	73.98	8.36	PK
15570	48.13	1.57	H	49.70	53.98	4.28	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 802.11n\_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
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	59.12	3.56	V	62.68	68.20	5.52	PK
15690	65.42	1.38	V	66.80	73.98	7.18	PK
15690	48.34	1.38	V	49.72	53.98	4.26	AV
10460	58.96	3.56	H	62.52	68.20	5.68	PK
15690	64.98	1.38	H	66.36	73.98	7.62	PK
15690	48.12	1.38	H	49.50	53.98	4.48	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
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	58.12	2.88	V	61.00	68.20	7.20	PK
15570	65.25	1.57	V	66.82	73.98	7.16	PK
15570	48.83	1.57	V	50.40	53.98	3.58	AV
10380	57.96	2.88	H	60.84	68.20	7.36	PK
15570	65.05	1.57	H	66.62	73.98	7.36	PK
15570	48.14	1.57	H	49.71	53.98	4.27	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
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	58.47	3.56	V	62.03	68.20	6.17	PK
15690	65.49	1.38	V	66.87	73.98	7.11	PK
15690	48.95	1.38	V	50.33	53.98	3.65	AV
10460	58.39	3.56	H	61.95	68.20	6.25	PK
15690	65.26	1.38	H	66.64	73.98	7.34	PK
15690	48.76	1.38	H	50.14	53.98	3.84	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
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	57.96	2.64	V	60.60	68.20	7.60	PK
15630	62.20	1.84	V	64.04	73.98	9.94	PK
15630	47.39	1.84	V	49.23	53.98	4.75	AV
10420	57.71	2.64	H	60.35	68.20	7.85	PK
15630	61.86	1.84	H	63.70	73.98	10.28	PK
15630	47.26	1.84	H	49.10	53.98	4.88	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
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	58.91	2.35	V	61.26	68.20	6.94	PK
15780	63.84	2.07	V	65.91	73.98	8.07	PK
15780	47.15	2.07	V	49.22	53.98	4.76	AV
10520	58.71	2.35	H	61.06	68.20	7.14	PK
15780	63.75	2.07	H	65.82	73.98	8.16	PK
15780	47.03	2.07	H	49.10	53.98	4.88	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 802.11a. 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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
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	58.53	3.16	V	61.69	73.98	12.29	PK
10600	44.16	3.16	V	47.32	53.98	6.66	AV
15900	64.44	1.23	V	65.67	73.98	8.31	PK
15900	48.25	1.23	V	49.48	53.98	4.50	AV
10600	58.12	3.16	H	61.28	73.98	12.70	PK
10600	43.94	3.16	H	47.10	53.98	6.88	AV
15900	63.98	1.23	H	65.21	73.98	8.77	PK
15900	48.15	1.23	H	49.38	53.98	4.60	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
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	57.51	3.07	V	60.58	73.98	13.40	PK
10640	43.26	3.07	V	46.33	53.98	7.65	AV
15960	63.74	2.06	V	65.80	73.98	8.18	PK
15960	47.81	2.06	V	49.87	53.98	4.11	AV
10640	57.15	3.07	H	60.22	73.98	13.76	PK
10640	42.95	3.07	H	46.02	53.98	7.96	AV
15960	63.54	2.06	H	65.60	73.98	8.38	PK
15960	47.64	2.06	H	49.70	53.98	4.28	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 802.11a. 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
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	58.83	2.35	V	61.18	68.20	7.02	PK
15780	65.58	2.07	V	67.65	73.98	6.33	PK
15780	46.91	2.07	V	48.98	53.98	5.00	AV
10520	57.99	2.35	H	60.34	68.20	7.86	PK
15780	65.31	2.07	H	67.38	73.98	6.60	PK
15780	46.48	2.07	H	48.55	53.98	5.43	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 2A
Operation Mode:	802.11 n_HT20
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	58.39	3.16	V	61.55	73.98	12.43	PK
10600	44.04	3.16	V	47.20	53.98	6.78	AV
15900	66.57	1.23	V	67.80	73.98	6.18	PK
15900	49.24	1.23	V	50.47	53.98	3.51	AV
10600	58.16	3.16	H	61.32	73.98	12.66	PK
10600	43.95	3.16	H	47.11	53.98	6.87	AV
15900	66.43	1.23	H	67.66	73.98	6.32	PK
15900	49.11	1.23	H	50.34	53.98	3.64	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
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	57.23	3.07	V	60.30	73.98	13.68	PK
10640	43.11	3.07	V	46.18	53.98	7.80	AV
15960	65.10	2.06	V	67.16	73.98	6.82	PK
15960	48.11	2.06	V	50.17	53.98	3.81	AV
10640	57.39	3.07	H	60.46	73.98	13.52	PK
10640	42.56	3.07	H	45.63	53.98	8.35	AV
15960	64.87	2.06	H	66.93	73.98	7.05	PK
15960	47.86	2.06	H	49.92	53.98	4.06	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 ac_VHT20
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	58.71	2.35	V	61.06	68.20	7.14	PK
15780	65.23	2.07	V	67.30	73.98	6.68	PK
15780	48.34	2.07	V	50.41	53.98	3.57	AV
10520	57.84	2.35	H	60.19	68.20	8.01	PK
15780	65.24	2.07	H	67.31	73.98	6.67	PK
15780	46.39	2.07	H	48.46	53.98	5.52	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
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	58.24	3.16	V	61.40	73.98	12.58	PK
10600	43.96	3.16	V	47.12	53.98	6.86	AV
15900	65.47	1.23	V	66.70	73.98	7.28	PK
15900	47.96	1.23	V	49.19	53.98	4.79	AV
10600	57.99	3.16	H	61.15	73.98	12.83	PK
10600	42.86	3.16	H	46.02	53.98	7.96	AV
15900	64.73	1.23	H	65.96	73.98	8.02	PK
15900	47.32	1.23	H	48.55	53.98	5.43	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
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	57.14	3.07	V	60.21	73.98	13.77	PK
10640	43.96	3.07	V	47.03	53.98	6.95	AV
15960	64.65	2.06	V	66.71	73.98	7.27	PK
15960	47.70	2.06	V	49.76	53.98	4.22	AV
10640	57.04	3.07	H	60.11	73.98	13.87	PK
10640	43.79	3.07	H	46.86	53.98	7.12	AV
15960	64.39	2.06	H	66.45	73.98	7.53	PK
15960	47.63	2.06	H	49.69	53.98	4.29	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
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	58.43	3.85	V	62.28	68.20	5.92	PK
15810	62.52	2.79	V	65.31	73.98	8.67	PK
15810	46.67	2.79	V	49.46	53.98	4.52	AV
10540	58.21	3.85	H	62.06	68.20	6.14	PK
15810	62.23	2.79	H	65.02	73.98	8.96	PK
15810	46.28	2.79	H	49.07	53.98	4.91	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
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	57.23	2.96	V	60.19	73.98	13.79	PK
10620	43.84	2.96	V	46.80	53.98	7.18	AV
15930	64.62	1.43	V	66.05	73.98	7.93	PK
15930	48.83	1.43	V	50.26	53.98	3.72	AV
10620	57.12	2.96	H	60.08	73.98	13.90	PK
10620	43.69	2.96	H	46.65	53.98	7.33	AV
15930	64.53	1.43	H	65.96	73.98	8.02	PK
15930	48.73	1.43	H	50.16	53.98	3.82	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\_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
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	58.12	3.85	V	61.97	68.20	6.23	PK
15810	62.52	2.79	V	65.31	73.98	8.67	PK
15810	46.97	2.79	V	49.76	53.98	4.22	AV
10540	58.05	3.85	H	61.90	68.20	6.30	PK
15810	62.33	2.79	H	65.12	73.98	8.86	PK
15810	46.89	2.79	H	49.68	53.98	4.30	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
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	57.04	2.96	V	60.00	73.98	13.98	PK
10620	43.45	2.96	V	46.41	53.98	7.57	AV
15930	63.81	1.43	V	65.24	73.98	8.74	PK
15930	47.93	1.43	V	49.36	53.98	4.62	AV
10620	56.96	2.96	H	59.92	73.98	14.06	PK
10620	43.12	2.96	H	46.08	53.98	7.90	AV
15930	63.69	1.43	H	65.12	73.98	8.86	PK
15930	47.87	1.43	H	49.30	53.98	4.68	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
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	58.06	2.79	V	60.85	68.20	7.35	PK
15870	61.14	2.47	V	63.61	73.98	10.37	PK
15870	48.16	2.47	V	50.63	53.98	3.35	AV
10580	58.03	2.79	H	60.82	68.20	7.38	PK
15870	61.11	2.47	H	63.58	73.98	10.40	PK
15870	47.85	2.47	H	50.32	53.98	3.66	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
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	60.76	3.36	V	64.12	73.98	9.86	PK
11000	46.63	3.36	V	49.99	53.98	3.99	AV
16500	59.19	5.07	V	64.26	68.20	3.94	PK
11000	60.51	3.36	H	63.87	73.98	10.11	PK
11000	45.98	3.36	H	49.34	53.98	4.64	AV
16500	59.11	5.07	H	64.18	68.20	4.02	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
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	56.55	4.07	V	60.62	73.98	13.36	PK
11160	41.99	4.07	V	46.06	53.98	7.92	AV
16740	58.63	4.79	V	63.42	68.20	4.78	PK
11160	56.17	4.07	H	60.24	73.98	13.74	PK
11160	41.51	4.07	H	45.58	53.98	8.40	AV
16740	57.96	4.79	H	62.75	68.20	5.45	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
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	53.33	3.57	V	56.90	73.98	17.08	PK
11440	39.07	3.57	V	42.64	53.98	11.34	AV
17160	49.16	5.24	V	54.40	68.20	13.80	PK
11440	53.18	3.57	H	56.75	73.98	17.23	PK
11440	38.96	3.57	H	42.53	53.98	11.45	AV
17160	49.20	5.24	H	54.44	68.20	13.76	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 802.11a. 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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
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	59.65	3.36	V	63.01	73.98	10.97	PK
11000	46.17	3.36	V	49.53	53.98	4.45	AV
16500	59.55	5.07	V	64.62	68.20	3.58	PK
11000	59.51	3.36	H	62.87	73.98	11.11	PK
11000	45.96	3.36	H	49.32	53.98	4.66	AV
16500	59.43	5.07	H	64.50	68.20	3.70	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 802.11n\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
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	57.87	4.07	V	61.94	73.98	12.04	PK
11160	43.62	4.07	V	47.69	53.98	6.29	AV
16740	58.67	4.79	V	63.46	68.20	4.74	PK
11160	57.75	4.07	H	61.82	73.98	12.16	PK
11160	43.26	4.07	H	47.33	53.98	6.65	AV
16740	58.51	4.79	H	63.30	68.20	4.90	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
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	52.05	3.57	V	55.62	73.98	18.36	PK
11440	38.47	3.57	V	42.04	53.98	11.94	AV
17160	49.38	5.24	V	54.62	68.20	13.58	PK
11440	51.96	3.57	H	55.53	73.98	18.45	PK
11440	38.42	3.57	H	41.99	53.98	11.99	AV
17160	49.13	5.24	H	54.37	68.20	13.83	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
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	60.92	3.36	V	64.28	73.98	9.70	PK
11000	46.21	3.36	V	49.57	53.98	4.41	AV
16500	59.39	5.07	V	64.46	68.20	3.74	PK
11000	60.76	3.36	H	64.12	73.98	9.86	PK
11000	46.13	3.36	H	49.49	53.98	4.49	AV
16500	59.24	5.07	H	64.31	68.20	3.89	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
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	59.48	4.07	V	63.55	73.98	10.43	PK
11160	45.13	4.07	V	49.20	53.98	4.78	AV
16740	59.45	4.79	V	64.24	68.20	3.96	PK
11160	59.34	4.07	H	63.41	73.98	10.57	PK
11160	45.01	4.07	H	49.08	53.98	4.90	AV
16740	59.36	4.79	H	64.15	68.20	4.05	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
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	53.30	3.57	V	56.87	73.98	17.11	PK
11440	38.55	3.57	V	42.12	53.98	11.86	AV
17160	49.22	5.24	V	54.46	68.20	13.74	PK
11440	53.12	3.57	H	56.69	73.98	17.29	PK
11440	38.23	3.57	H	41.80	53.98	12.18	AV
17160	49.16	5.24	H	54.40	68.20	13.80	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
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	57.78	2.97	V	60.75	73.98	13.23	PK
11020	44.13	2.97	V	47.10	53.98	6.88	AV
16530	59.11	4.15	V	63.26	68.20	4.94	PK
11020	57.65	2.97	H	60.62	73.98	13.36	PK
11020	43.96	2.97	H	46.93	53.98	7.05	AV
16530	59.05	4.15	H	63.20	68.20	5.00	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 802.11n\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Operating Frequency	5590 MHz
Channel No.	118 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
11180	54.78	2.79	V	57.57	73.98	16.41	PK
11180	42.32	2.79	V	45.11	53.98	8.87	AV
16770	58.16	5.81	V	63.97	68.20	4.23	PK
11180	54.63	2.79	H	57.42	73.98	16.56	PK
11180	41.96	2.79	H	44.75	53.98	9.23	AV
16770	58.12	5.81	H	63.93	68.20	4.27	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
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	49.96	3.36	V	53.32	73.98	20.66	PK
11420	36.56	3.36	V	39.92	53.98	14.06	AV
17130	50.45	7.02	V	57.47	68.20	10.73	PK
11420	49.84	3.36	H	53.20	73.98	20.78	PK
11420	36.51	3.36	H	39.87	53.98	14.11	AV
17130	50.36	7.02	H	57.38	68.20	10.82	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
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	58.59	2.97	V	61.56	73.98	12.42	PK
11020	43.78	2.97	V	46.75	53.98	7.23	AV
16530	58.93	4.15	V	63.08	68.20	5.12	PK
11020	57.55	2.97	H	60.52	73.98	13.46	PK
11020	43.86	2.97	H	46.83	53.98	7.15	AV
16530	59.01	4.15	H	63.16	68.20	5.04	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Report No.: HCT-RF-1810-FI011

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5590 MHz
Channel No.	118 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
11180	54.10	2.79	V	56.89	73.98	17.09	PK
11180	42.51	2.79	V	45.30	53.98	8.68	AV
16770	58.14	5.81	V	63.95	68.20	4.25	PK
11180	53.98	2.79	H	56.77	73.98	17.21	PK
11180	41.96	2.79	H	44.75	53.98	9.23	AV
16770	57.68	5.81	H	63.49	68.20	4.71	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
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	50.18	3.36	V	53.54	73.98	20.44	PK
11420	36.80	3.36	V	40.16	53.98	13.82	AV
17130	50.34	7.02	V	57.36	68.20	10.84	PK
11420	50.01	3.36	H	53.37	73.98	20.61	PK
11420	36.79	3.36	H	40.15	53.98	13.83	AV
17130	50.29	7.02	H	57.31	68.20	10.89	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
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	54.33	3.46	V	57.79	73.98	16.19	PK
11060	41.64	3.46	V	45.10	53.98	8.88	AV
16590	59.12	4.11	V	63.23	68.20	4.97	PK
11060	53.99	3.46	H	57.45	73.98	16.53	PK
11060	41.53	3.46	H	44.99	53.98	8.99	AV
16590	58.93	4.11	H	63.04	68.20	5.16	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
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	50.27	3.41	V	53.68	73.98	20.30	PK
11380	37.64	3.41	V	41.05	53.98	12.93	AV
17070	52.13	5.78	V	57.91	68.20	10.29	PK
11380	50.14	3.41	H	53.55	73.98	20.43	PK
11380	37.56	3.41	H	40.97	53.98	13.01	AV
17070	52.04	5.78	H	57.82	68.20	10.38	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11 a
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	50.97	2.87	V	53.84	73.98	20.14	PK
11490	38.48	2.87	V	41.35	53.98	12.63	AV
17235	51.42	7.44	V	58.86	68.20	9.35	PK
11490	50.46	2.51	H	52.97	73.98	21.01	PK
11490	38.99	2.51	H	41.50	53.98	12.48	AV
17235	51.26	7.44	H	58.70	68.20	9.51	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11 a
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	51.13	2.48	V	53.61	73.98	20.37	PK
11570	38.82	2.48	V	41.30	53.98	12.68	AV
17355	52.19	7.86	V	60.05	68.20	8.16	PK
11570	51.11	2.48	H	53.59	73.98	20.39	PK
11570	38.68	2.48	H	41.16	53.98	12.82	AV
17355	52.04	7.86	H	59.90	68.20	8.31	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11 a
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	54.88	3.24	V	58.12	73.98	15.86	PK
11650	41.37	3.24	V	44.61	53.98	9.37	AV
17475	56.16	8.14	V	64.30	68.20	3.91	PK
11650	54.69	3.24	H	57.93	73.98	16.05	PK
11650	41.21	3.24	H	44.45	53.98	9.53	AV
17475	56.03	8.14	H	64.17	68.20	4.04	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
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	49.70	2.87	V	52.57	73.98	21.41	PK
11490	37.93	2.87	V	40.80	53.98	13.18	AV
17235	51.31	7.44	V	58.75	68.20	9.46	PK
11490	49.57	2.51	H	52.08	73.98	21.90	PK
11490	37.86	2.51	H	40.37	53.98	13.61	AV
17235	51.22	7.44	H	58.66	68.20	9.55	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
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	50.42	2.48	V	52.90	73.98	21.08	PK
11570	38.92	2.48	V	41.40	53.98	12.58	AV
17355	52.38	7.86	V	60.24	68.20	7.97	PK
11570	50.39	2.48	H	52.87	73.98	21.11	PK
11570	38.81	2.48	H	41.29	53.98	12.69	AV
17355	52.26	7.86	H	60.12	68.20	8.09	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 3
Operation Mode:	802.11 n_HT20
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	54.69	3.24	V	57.93	73.98	16.05	PK
11650	41.03	3.24	V	44.27	53.98	9.71	AV
17475	56.02	8.14	V	64.16	68.20	4.05	PK
11650	54.55	3.24	H	57.79	73.98	16.19	PK
11650	40.98	3.24	H	44.22	53.98	9.76	AV
17475	55.97	8.14	H	64.11	68.20	4.10	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
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	53.45	2.87	V	56.32	73.98	17.66	PK
11490	40.00	2.87	V	42.87	53.98	11.11	AV
17235	52.13	7.44	V	59.57	68.20	8.64	PK
11490	53.23	2.51	H	55.74	73.98	18.24	PK
11490	39.86	2.51	H	42.37	53.98	11.61	AV
17235	51.98	7.44	H	59.42	68.20	8.79	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
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	53.15	2.48	V	55.63	73.98	18.35	PK
11570	39.65	2.48	V	42.13	53.98	11.85	AV
17355	52.22	7.86	V	60.08	68.20	8.13	PK
11570	53.05	2.48	H	55.53	73.98	18.45	PK
11570	39.56	2.48	H	42.04	53.98	11.94	AV
17355	52.18	7.86	H	60.04	68.20	8.17	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
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	55.65	3.24	V	58.89	73.98	15.09	PK
11650	41.46	3.24	V	44.70	53.98	9.28	AV
17475	55.86	8.14	V	64.00	68.20	4.21	PK
11650	55.12	3.24	H	58.36	73.98	15.62	PK
11650	41.13	3.24	H	44.37	53.98	9.61	AV
17475	55.39	8.14	H	63.53	68.20	4.68	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII3
Operation Mode:	802.11n_HT40
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	49.96	2.90	V	52.86	73.98	21.12	PK
11510	38.57	2.90	V	41.47	53.98	12.51	AV
17265	52.18	6.80	V	58.98	68.20	9.22	PK
11510	49.91	2.90	H	52.81	73.98	21.17	PK
11510	38.49	2.90	H	41.39	53.98	12.59	AV
17265	52.10	6.80	H	58.90	68.20	9.30	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11n_HT40
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	51.62	3.72	V	55.34	73.98	18.64	PK
11590	37.67	3.72	V	41.39	53.98	12.59	AV
17385	52.36	7.21	V	59.57	68.20	8.64	PK
11590	51.58	3.72	H	55.30	73.98	18.68	PK
11590	37.51	3.72	H	41.23	53.98	12.75	AV
17385	52.18	7.21	H	59.39	68.20	8.82	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
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	50.64	2.90	V	53.54	73.98	20.44	PK
11510	38.79	2.90	V	41.69	53.98	12.29	AV
17265	52.16	6.80	V	58.96	68.20	9.24	PK
11510	50.42	2.90	H	53.32	73.98	20.66	PK
11510	38.61	2.90	H	41.51	53.98	12.47	AV
17265	52.13	6.80	H	58.93	68.20	9.27	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
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	49.91	3.72	V	53.63	73.98	20.35	PK
11590	38.18	3.72	V	41.90	53.98	12.08	AV
17385	52.27	7.21	V	59.48	68.20	8.73	PK
11590	49.86	3.72	H	53.58	73.98	20.40	PK
11590	38.13	3.72	H	41.85	53.98	12.13	AV
17385	52.19	7.21	H	59.40	68.20	8.81	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
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	50.35	3.32	V	53.67	73.98	20.31	PK
11550	39.16	3.32	V	42.48	53.98	11.50	AV
17325	51.98	8.09	V	60.07	68.20	8.14	PK
11550	50.11	3.32	H	53.43	73.98	20.55	PK
11550	38.97	3.32	H	42.29	53.98	11.69	AV
17325	51.86	8.09	H	59.95	68.20	8.26	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

**[External Ant]**

Band :	UNII 1
Operation Mode:	802.11 a
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	50.39	4.47	V	54.86	68.20	13.34	PK
15540	62.12	1.80	V	63.92	73.98	10.06	PK
15540	45.87	1.80	V	47.67	53.98	6.31	AV
10360	49.56	4.47	H	54.03	68.20	14.17	PK
15540	61.98	1.80	H	63.78	73.98	10.20	PK
15540	45.61	1.80	H	47.41	53.98	6.57	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 a
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	50.71	3.22	V	53.93	68.20	14.27	PK
15600	60.85	1.06	V	61.91	73.98	12.07	PK
15600	44.66	1.06	V	45.72	53.98	8.26	AV
10400	49.96	3.22	H	53.18	68.20	15.02	PK
15600	60.42	1.06	H	61.48	73.98	12.50	PK
15600	44.39	1.06	H	45.45	53.98	8.53	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 a
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	50.92	3.53	V	54.45	68.20	13.75	PK
15720	62.07	1.54	V	63.61	73.98	10.37	PK
15720	45.79	1.54	V	47.33	53.98	6.65	AV
10480	50.69	3.53	H	54.22	68.20	13.98	PK
15720	61.98	1.54	H	63.52	73.98	10.46	PK
15720	45.61	1.54	H	47.15	53.98	6.83	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
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	50.23	4.47	V	54.70	68.20	13.50	PK
15540	61.96	1.80	V	63.76	73.98	10.22	PK
15540	45.79	1.80	V	47.59	53.98	6.39	AV
10360	49.46	4.47	H	53.93	68.20	14.27	PK
15540	61.88	1.80	H	63.68	73.98	10.30	PK
15540	45.58	1.80	H	47.38	53.98	6.60	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
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	50.63	3.22	V	53.85	68.20	14.35	PK
15600	60.54	1.06	V	61.60	73.98	12.38	PK
15600	44.51	1.06	V	45.57	53.98	8.41	AV
10400	49.87	3.22	H	53.09	68.20	15.11	PK
15600	60.35	1.06	H	61.41	73.98	12.57	PK
15600	44.24	1.06	H	45.30	53.98	8.68	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
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	49.99	3.53	V	53.52	68.20	14.68	PK
15720	61.98	1.54	V	63.52	73.98	10.46	PK
15720	45.55	1.54	V	47.09	53.98	6.89	AV
10480	49.78	3.53	H	53.31	68.20	14.89	PK
15720	61.78	1.54	H	63.32	73.98	10.66	PK
15720	45.36	1.54	H	46.90	53.98	7.08	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 ac_VHT20
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	50.12	4.47	V	54.59	68.20	13.61	PK
15540	61.87	1.80	V	63.67	73.98	10.31	PK
15540	45.69	1.80	V	47.49	53.98	6.49	AV
10360	50.11	4.47	H	54.58	68.20	13.62	PK
15540	61.57	1.80	H	63.37	73.98	10.61	PK
15540	45.62	1.80	H	47.42	53.98	6.56	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
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	50.54	3.22	V	53.76	68.20	14.44	PK
15600	60.42	1.06	V	61.48	73.98	12.50	PK
15600	44.43	1.06	V	45.49	53.98	8.49	AV
10400	50.42	3.22	H	53.64	68.20	14.56	PK
15600	60.23	1.06	H	61.29	73.98	12.69	PK
15600	44.29	1.06	H	45.35	53.98	8.63	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
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	49.89	3.53	V	53.42	68.20	14.78	PK
15720	61.87	1.54	V	63.41	73.98	10.57	PK
15720	45.47	1.54	V	47.01	53.98	6.97	AV
10480	49.75	3.53	H	53.28	68.20	14.92	PK
15720	61.59	1.54	H	63.13	73.98	10.85	PK
15720	45.48	1.54	H	47.02	53.98	6.96	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
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	49.96	2.88	V	52.84	68.20	15.36	PK
15570	61.55	1.57	V	63.12	73.98	10.86	PK
15570	45.59	1.57	V	47.16	53.98	6.82	AV
10380	49.86	2.88	H	52.74	68.20	15.46	PK
15570	61.48	1.57	H	63.05	73.98	10.93	PK
15570	45.39	1.57	H	46.96	53.98	7.02	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 802.11n\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
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	49.86	3.56	V	53.42	68.20	14.78	PK
15690	60.36	1.38	V	61.74	73.98	12.24	PK
15690	44.29	1.38	V	45.67	53.98	8.31	AV
10460	49.78	3.56	H	53.34	68.20	14.86	PK
15690	60.28	1.38	H	61.66	73.98	12.32	PK
15690	44.13	1.38	H	45.51	53.98	8.47	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
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	50.12	2.88	V	53.00	68.20	15.20	PK
15570	61.52	1.57	V	63.09	73.98	10.89	PK
15570	45.61	1.57	V	47.18	53.98	6.80	AV
10380	49.84	2.88	H	52.72	68.20	15.48	PK
15570	61.39	1.57	H	62.96	73.98	11.02	PK
15570	45.34	1.57	H	46.91	53.98	7.07	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
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	50.10	3.56	V	53.66	68.20	14.54	PK
15690	60.31	1.38	V	61.69	73.98	12.29	PK
15690	44.23	1.38	V	45.61	53.98	8.37	AV
10460	49.03	3.56	H	52.59	68.20	15.61	PK
15690	60.21	1.38	H	61.59	73.98	12.39	PK
15690	44.05	1.38	H	45.43	53.98	8.55	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
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	50.22	2.64	V	52.86	68.20	15.34	PK
15630	61.39	1.84	V	63.23	73.98	10.75	PK
15630	44.98	1.84	V	46.82	53.98	7.16	AV
10420	49.82	2.64	H	52.46	68.20	15.74	PK
15630	61.23	1.84	H	63.07	73.98	10.91	PK
15630	44.95	1.84	H	46.79	53.98	7.19	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
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	52.90	2.35	V	55.25	68.20	12.95	PK
15780	58.74	2.07	V	60.81	73.98	13.17	PK
15780	43.50	2.07	V	45.57	53.98	8.41	AV
10520	52.15	2.35	H	54.50	68.20	13.70	PK
15780	58.61	2.07	H	60.68	73.98	13.30	PK
15780	43.32	2.07	H	45.39	53.98	8.59	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
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	51.64	3.16	V	54.80	73.98	19.18	PK
10600	39.06	3.16	V	42.22	53.98	11.76	AV
15900	60.49	1.23	V	61.72	73.98	12.26	PK
15900	44.64	1.23	V	45.87	53.98	8.11	AV
10600	51.23	3.16	H	54.39	73.98	19.59	PK
10600	38.69	3.16	H	41.85	53.98	12.13	AV
15900	59.96	1.23	H	61.19	73.98	12.79	PK
15900	44.51	1.23	H	45.74	53.98	8.24	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 802.11a. 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
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	52.63	3.07	V	55.70	73.98	18.28	PK
10640	39.55	3.07	V	42.62	53.98	11.36	AV
15960	58.83	2.06	V	60.89	73.98	13.09	PK
15960	43.69	2.06	V	45.75	53.98	8.23	AV
10640	52.16	3.07	H	55.23	73.98	18.75	PK
10640	39.23	3.07	H	42.30	53.98	11.68	AV
15960	58.21	2.06	H	60.27	73.98	13.71	PK
15960	43.23	2.06	H	45.29	53.98	8.69	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
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	52.84	2.35	V	55.19	68.20	13.01	PK
15780	60.57	2.07	V	62.64	73.98	11.34	PK
15780	44.35	2.07	V	46.42	53.98	7.56	AV
10520	51.96	2.35	H	54.31	68.20	13.89	PK
15780	60.23	2.07	H	62.30	73.98	11.68	PK
15780	44.15	2.07	H	46.22	53.98	7.76	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 802.11n\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
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	51.39	3.16	V	54.55	73.98	19.43	PK
10600	39.02	3.16	V	42.18	53.98	11.80	AV
15900	60.23	1.23	V	61.46	73.98	12.52	PK
15900	44.51	1.23	V	45.74	53.98	8.24	AV
10600	51.13	3.16	H	54.29	73.98	19.69	PK
10600	38.56	3.16	H	41.72	53.98	12.26	AV
15900	59.84	1.23	H	61.07	73.98	12.91	PK
15900	44.26	1.23	H	45.49	53.98	8.49	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
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	52.39	3.07	V	55.46	73.98	18.52	PK
10640	39.46	3.07	V	42.53	53.98	11.45	AV
15960	58.67	2.06	V	60.73	73.98	13.25	PK
15960	43.51	2.06	V	45.57	53.98	8.41	AV
10640	52.11	3.07	H	55.18	73.98	18.80	PK
10640	39.14	3.07	H	42.21	53.98	11.77	AV
15960	58.14	2.06	H	60.20	73.98	13.78	PK
15960	43.11	2.06	H	45.17	53.98	8.81	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
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	52.79	2.35	V	55.14	68.20	13.06	PK
15780	60.36	2.07	V	62.43	73.98	11.55	PK
15780	44.21	2.07	V	46.28	53.98	7.70	AV
10520	52.95	2.35	H	55.30	68.20	12.90	PK
15780	60.25	2.07	H	62.32	73.98	11.66	PK
15780	44.14	2.07	H	46.21	53.98	7.77	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
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	51.21	3.16	V	54.37	73.98	19.61	PK
10600	38.95	3.16	V	42.11	53.98	11.87	AV
15900	60.15	1.23	V	61.38	73.98	12.60	PK
15900	44.38	1.23	V	45.61	53.98	8.37	AV
10600	51.18	3.16	H	54.34	73.98	19.64	PK
10600	38.94	3.16	H	42.10	53.98	11.88	AV
15900	60.08	1.23	H	61.31	73.98	12.67	PK
15900	44.23	1.23	H	45.46	53.98	8.52	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
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	51.96	3.07	V	55.03	73.98	18.95	PK
10640	39.26	3.07	V	42.33	53.98	11.65	AV
15960	58.58	2.06	V	60.64	73.98	13.34	PK
15960	43.42	2.06	V	45.48	53.98	8.50	AV
10640	51.86	3.07	H	54.93	73.98	19.05	PK
10640	39.15	3.07	H	42.22	53.98	11.76	AV
15960	58.43	2.06	H	60.49	73.98	13.49	PK
15960	43.26	2.06	H	45.32	53.98	8.66	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\_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
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	52.65	3.85	V	56.50	68.20	11.70	PK
15810	60.21	2.79	V	63.00	73.98	10.98	PK
15810	44.17	2.79	V	46.96	53.98	7.02	AV
10540	52.48	3.85	H	56.33	68.20	11.87	PK
15810	59.98	2.79	H	62.77	73.98	11.21	PK
15810	43.98	2.79	H	46.77	53.98	7.21	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 802.11n\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
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	51.88	2.96	V	54.84	73.98	19.14	PK
10620	39.14	2.96	V	42.10	53.98	11.88	AV
15930	58.55	1.43	V	59.98	73.98	14.00	PK
15930	43.26	1.43	V	44.69	53.98	9.29	AV
10620	51.68	2.96	H	54.64	73.98	19.34	PK
10620	39.04	2.96	H	42.00	53.98	11.98	AV
15930	58.39	1.43	H	59.82	73.98	14.16	PK
15930	42.69	1.43	H	44.12	53.98	9.86	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
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	52.56	3.85	V	56.41	68.20	11.79	PK
15810	60.18	2.79	V	62.97	73.98	11.01	PK
15810	44.06	2.79	V	46.85	53.98	7.13	AV
10540	52.44	3.85	H	56.29	68.20	11.91	PK
15810	60.14	2.79	H	62.93	73.98	11.05	PK
15810	43.99	2.79	H	46.78	53.98	7.20	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
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	51.86	2.96	V	54.82	73.98	19.16	PK
10620	39.12	2.96	V	42.08	53.98	11.90	AV
15930	58.36	1.43	V	59.79	73.98	14.19	PK
15930	43.23	1.43	V	44.66	53.98	9.32	AV
10620	51.65	2.96	H	54.61	73.98	19.37	PK
10620	39.02	2.96	H	41.98	53.98	12.00	AV
15930	58.23	1.43	H	59.66	73.98	14.32	PK
15930	42.53	1.43	H	43.96	53.98	10.02	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\_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
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	49.22	2.79	V	52.01	68.20	16.19	PK
15870	59.22	2.47	V	61.69	73.98	12.29	PK
15870	42.96	2.47	V	45.43	53.98	8.55	AV
10580	48.12	2.79	H	50.91	68.20	17.29	PK
15870	59.17	2.47	H	61.64	73.98	12.34	PK
15870	42.86	2.47	H	45.33	53.98	8.65	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
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	49.98	3.36	V	53.34	73.98	20.64	PK
11000	37.59	3.36	V	40.95	53.98	13.03	AV
16500	51.21	5.07	V	56.28	68.20	11.92	PK
11000	49.76	3.36	H	53.12	73.98	20.86	PK
11000	37.25	3.36	H	40.61	53.98	13.37	AV
16500	51.16	5.07	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 802.11a. 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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
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	50.30	4.07	V	54.37	73.98	19.61	PK
11160	36.41	4.07	V	40.48	53.98	13.50	AV
16740	53.93	4.79	V	58.72	68.20	9.48	PK
11160	49.83	4.07	H	53.90	73.98	20.08	PK
11160	36.18	4.07	H	40.25	53.98	13.73	AV
16740	53.26	4.79	H	58.05	68.20	10.15	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
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	50.19	3.57	V	53.76	73.98	20.22	PK
11440	36.04	3.57	V	39.61	53.98	14.37	AV
17160	48.71	5.24	V	53.95	68.20	14.25	PK
11440	49.86	3.57	H	53.43	73.98	20.55	PK
11440	35.98	3.57	H	39.55	53.98	14.43	AV
17160	48.53	5.24	H	53.77	68.20	14.43	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
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	49.97	3.36	V	53.33	73.98	20.65	PK
11000	37.48	3.36	V	40.84	53.98	13.14	AV
16500	51.19	5.07	V	56.26	68.20	11.94	PK
11000	49.71	3.36	H	53.07	73.98	20.91	PK
11000	37.13	3.36	H	40.49	53.98	13.49	AV
16500	51.12	5.07	H	56.19	68.20	12.01	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 802.11n\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
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	50.21	4.07	V	54.28	73.98	19.70	PK
11160	36.39	4.07	V	40.46	53.98	13.52	AV
16740	53.46	4.79	V	58.25	68.20	9.95	PK
11160	49.75	4.07	H	53.82	73.98	20.16	PK
11160	36.15	4.07	H	40.22	53.98	13.76	AV
16740	53.10	4.79	H	57.89	68.20	10.31	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
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	50.14	3.57	V	53.71	73.98	20.27	PK
11440	36.02	3.57	V	39.59	53.98	14.39	AV
17160	48.65	5.24	V	53.89	68.20	14.31	PK
11440	49.79	3.57	H	53.36	73.98	20.62	PK
11440	35.89	3.57	H	39.46	53.98	14.52	AV
17160	48.51	5.24	H	53.75	68.20	14.45	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
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	49.92	3.36	V	53.28	73.98	20.70	PK
11000	37.45	3.36	V	40.81	53.98	13.17	AV
16500	51.16	5.07	V	56.23	68.20	11.97	PK
11000	49.64	3.36	H	53.00	73.98	20.98	PK
11000	37.14	3.36	H	40.50	53.98	13.48	AV
16500	51.11	5.07	H	56.18	68.20	12.02	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
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	50.17	4.07	V	54.24	73.98	19.74	PK
11160	36.34	4.07	V	40.41	53.98	13.57	AV
16740	53.39	4.79	V	58.18	68.20	10.02	PK
11160	49.71	4.07	H	53.78	73.98	20.20	PK
11160	36.13	4.07	H	40.20	53.98	13.78	AV
16740	53.04	4.79	H	57.83	68.20	10.37	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\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
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	50.12	3.57	V	53.69	73.98	20.29	PK
11440	36.10	3.57	V	39.67	53.98	14.31	AV
17160	48.61	5.24	V	53.85	68.20	14.35	PK
11440	49.74	3.57	H	53.31	73.98	20.67	PK
11440	35.87	3.57	H	39.44	53.98	14.54	AV
17160	48.50	5.24	H	53.74	68.20	14.46	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
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	49.99	2.97	V	52.96	73.98	21.02	PK
11020	37.43	2.97	V	40.40	53.98	13.58	AV
16530	51.21	4.15	V	55.36	68.20	12.84	PK
11020	49.84	2.97	H	52.81	73.98	21.17	PK
11020	37.52	2.97	H	40.49	53.98	13.49	AV
16530	52.14	4.15	H	56.29	68.20	11.91	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
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	50.04	2.79	V	52.83	73.98	21.15	PK
11100	36.31	2.79	V	39.10	53.98	14.88	AV
16650	53.96	7.19	V	61.15	68.20	7.05	PK
11100	49.58	2.79	H	52.37	73.98	21.61	PK
11100	36.18	2.79	H	38.97	53.98	15.01	AV
16650	53.85	7.19	H	61.04	68.20	7.16	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
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	50.04	3.36	V	53.40	73.98	20.58	PK
11420	36.51	3.36	V	39.87	53.98	14.11	AV
17130	48.58	7.02	V	55.60	68.20	12.60	PK
11420	49.88	3.36	H	53.24	73.98	20.74	PK
11420	36.71	3.36	H	40.07	53.98	13.91	AV
17130	48.69	7.02	H	55.71	68.20	12.49	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 802.11n\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
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	50.21	2.97	V	53.18	73.98	20.80	PK
11020	37.65	2.97	V	40.62	53.98	13.36	AV
16530	52.32	4.15	V	56.47	68.20	11.73	PK
11020	49.69	2.97	H	52.66	73.98	21.32	PK
11020	37.59	2.97	H	40.56	53.98	13.42	AV
16530	52.12	4.15	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (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	50.12	2.79	V	52.91	73.98	21.07	PK
11100	36.23	2.79	V	39.02	53.98	14.96	AV
16650	53.81	7.19	V	61.00	68.20	7.20	PK
11100	49.51	2.79	H	52.30	73.98	21.68	PK
11100	36.31	2.79	H	39.10	53.98	14.88	AV
16650	53.91	7.19	H	61.10	68.20	7.10	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 802.11ac\_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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
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	50.09	3.36	V	53.45	73.98	20.53	PK
11420	36.98	3.36	V	40.34	53.98	13.64	AV
17130	48.68	7.02	V	55.70	68.20	12.50	PK
11420	51.10	3.36	H	54.46	73.98	19.52	PK
11420	37.03	3.36	H	40.39	53.98	13.59	AV
17130	48.93	7.02	H	55.95	68.20	12.25	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
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	50.14	3.46	V	53.60	73.98	20.38	PK
11060	37.59	3.46	V	41.05	53.98	12.93	AV
16590	52.16	4.11	V	56.27	68.20	11.93	PK
11060	49.85	3.46	H	53.31	73.98	20.67	PK
11060	37.51	3.46	H	40.97	53.98	13.01	AV
16590	52.14	4.11	H	56.25	68.20	11.95	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 =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)