Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-5.021	0.117	-4.904	17	Pass
5230	46		0.944	0.117	1.061		Pass
5270	54		-0.766	0.117	-0.649	11	Pass
5310	62		-5.148	0.117	-5.031		Pass
5510	102		-5.286	0.117	-5.169	11	Pass
5590	118		0.264	0.117	0.381		Pass
5710	142		0.216	0.117	0.333		Pass
5755	151		-2.117	0.117	-2.000	30	Pass
5795	159		-2.152	0.117	-2.035		Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-4.784	0.117	-4.667	17	Pass
5230	46		1.017	0.117	1.134		Pass
5270	54		-0.627	0.117	-0.510	11	Pass
5310	62		-5.301	0.117	-5.184		Pass
5510	102		-5.517	0.117	-5.400	11	Pass
5590	118		0.147	0.117	0.264		Pass
5710	142		-0.206	0.117	-0.089		Pass
5755	151		-2.235	0.117	-2.118	30	Pass
5795	159		-2.449	0.117	-2.332		Pass

Ant.2

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-4.777	0.117	-4.660	17	Pass
5230	46		1.134	0.117	1.251		Pass
5270	54		-0.046	0.117	0.071	11	Pass
5310	62		-5.002	0.117	-4.885		Pass
5510	102		-5.254	0.117	-5.137	11	Pass
5590	118		0.282	0.117	0.399		Pass
5710	142		0.042	0.117	0.159		Pass
5755	151		-2.033	0.117	-1.916	30	Pass
5795	159		-1.974	0.117	-1.857		Pass

Ant.3

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	-4.830	0.117	-4.713	17	Pass
5230	46		1.138	0.117	1.255		Pass
5270	54		-0.152	0.117	-0.035	11	Pass
5310	62		-4.985	0.117	-4.868		Pass
5510	102		-5.384	0.117	-5.267	11	Pass
5590	118		0.057	0.117	0.174		Pass
5710	142		-0.146	0.117	-0.029		Pass
5755	151		-1.917	0.117	-1.800	30	Pass
5795	159		-1.678	0.117	-1.561		Pass

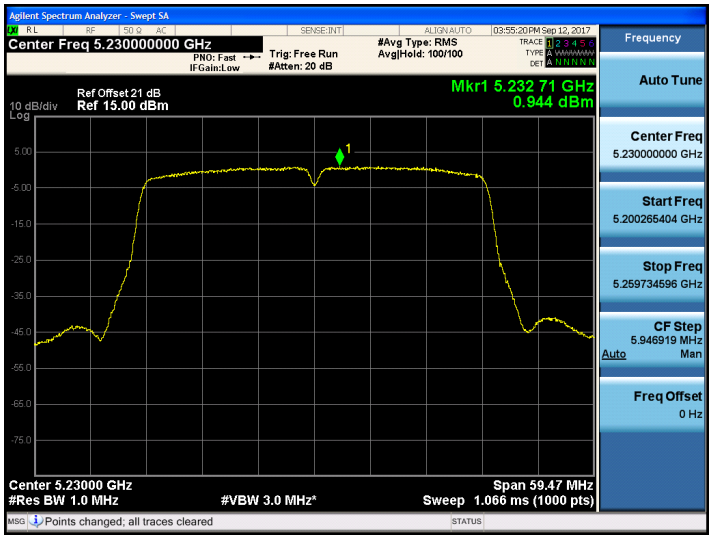
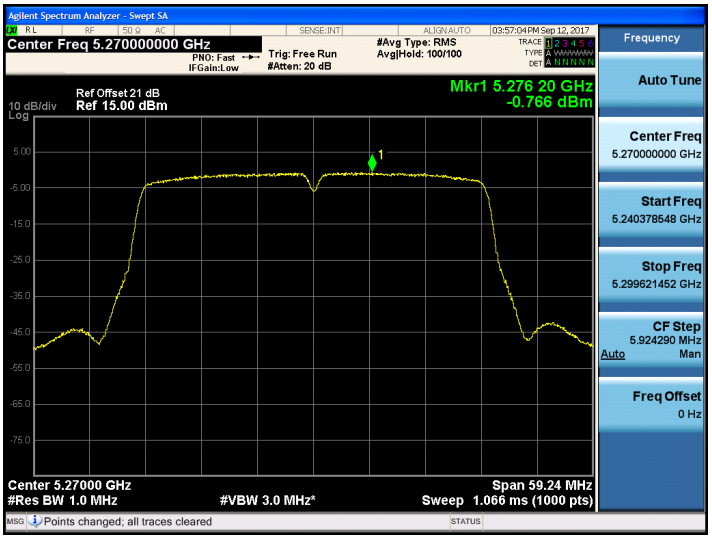
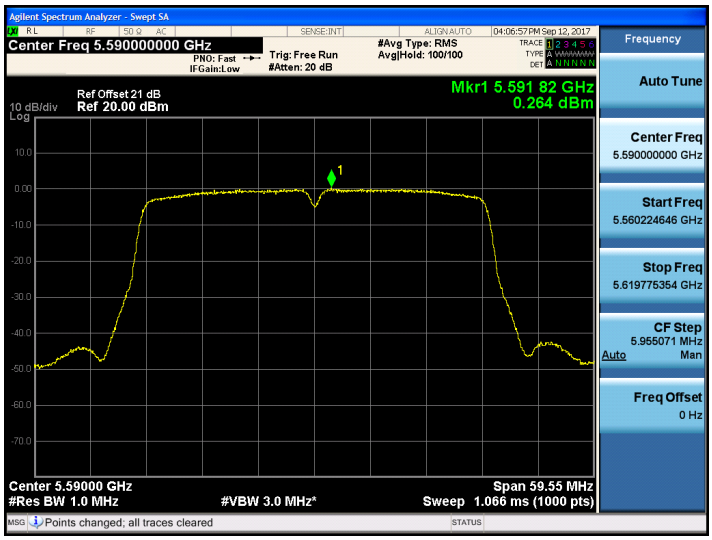
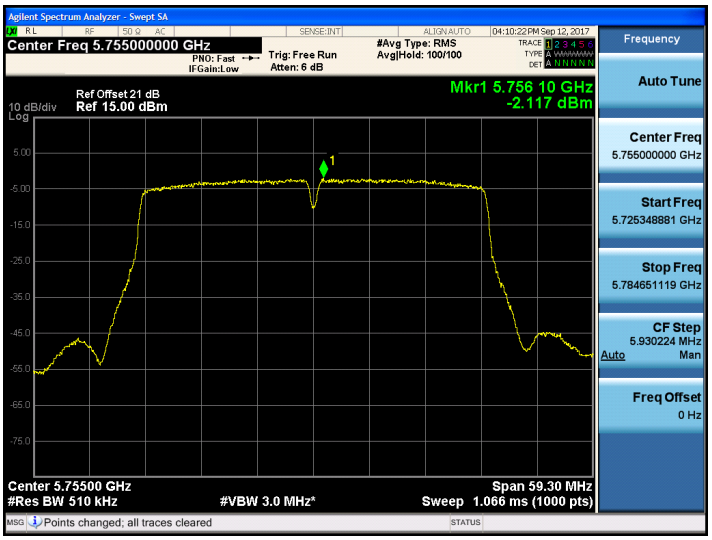
☑ **Sum Data of Ant.0 and Ant.1 and Ant.2 and Ant.3**

☑ **TEST RESULTS**

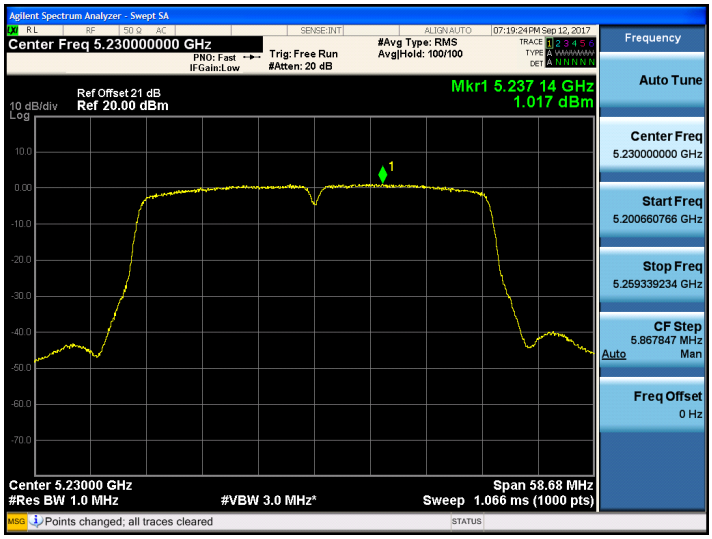
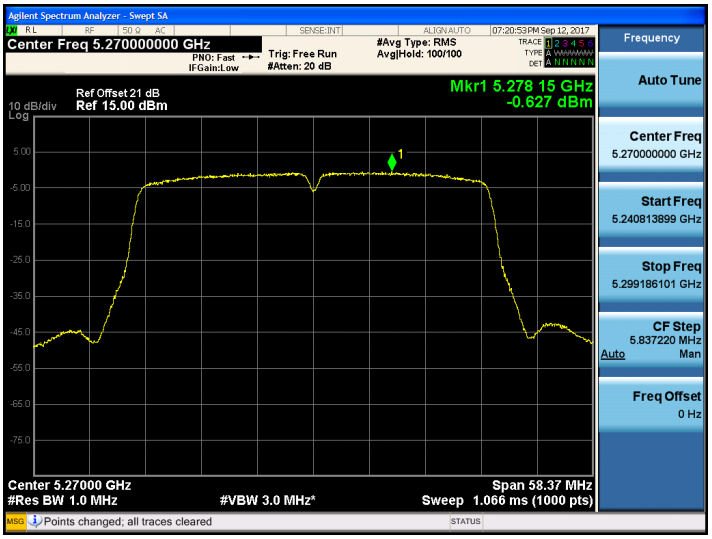
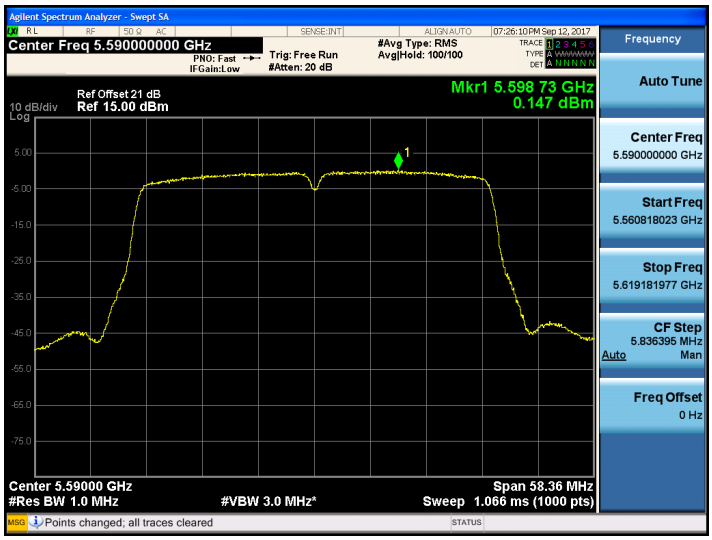
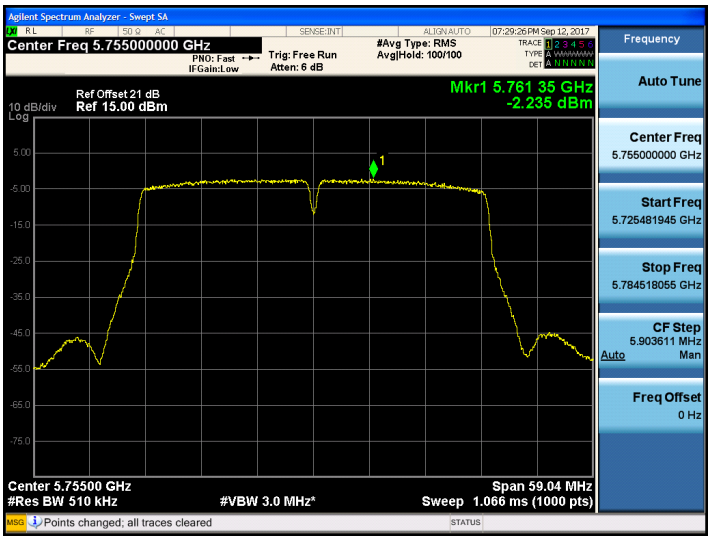
Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5190	38	802.11ac _VHT40	1.29	13.94	Pass
5230	46		7.20		Pass
5270	54		5.75	7.57	Pass
5310	62		1.03		Pass
5510	102		0.78	7.8	Pass
5590	118		6.33		Pass
5710	142		6.12		Pass
5755	151		4.06	26.07	Pass
5795	159		4.08		Pass

▣ TEST Plot for 802.11ac_VHT40_Ant.0

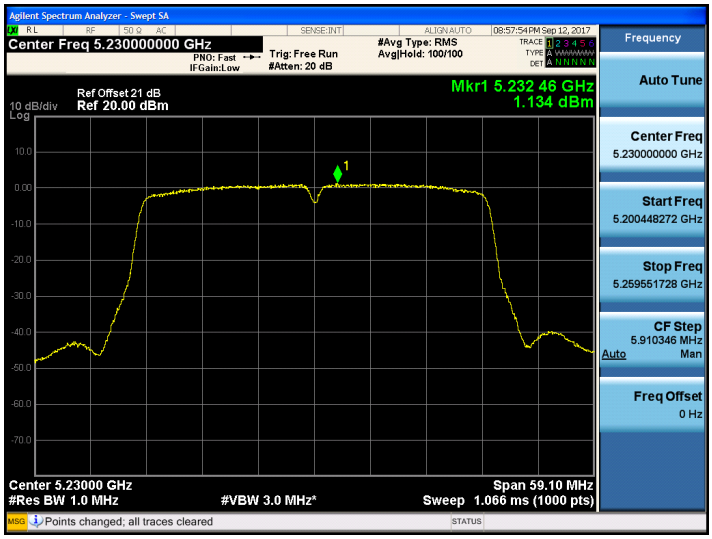
802.11ac_VHT40 UNII 1 BAND PSD CH 46	802.11ac_VHT40 UNII 2A BAND PSD CH 54
	
802.11ac_VHT40 UNII 2C BAND PSD CH 118	**802.11ac_VHT40 UNII 3 BAND PSD CH 151**
	

▣ TEST Plot for 802.11ac_VHT40_Ant.1

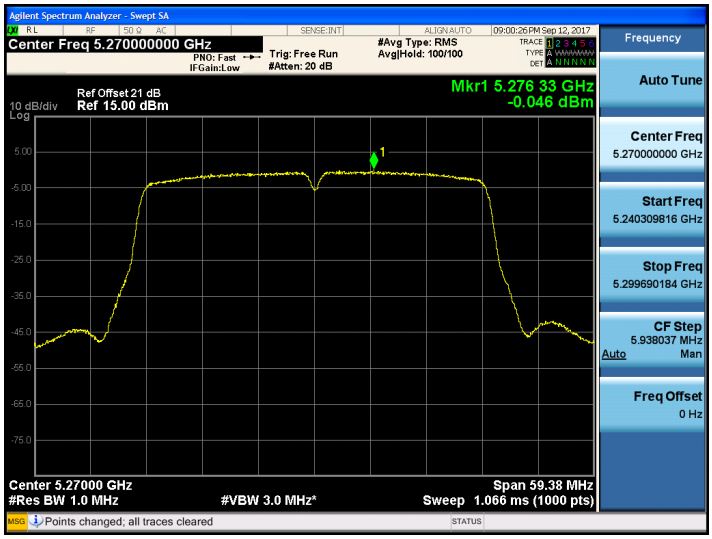
802.11ac_VHT40 UNII 1 BAND PSD CH 46	802.11ac_VHT40 UNII 2A BAND PSD CH 54
	
802.11ac_VHT40 UNII 2C BAND PSD CH 118	**802.11ac_VHT40 UNII 3 BAND PSD CH 151**
	

▣ TEST Plot for 802.11ac_VHT40_Ant.2

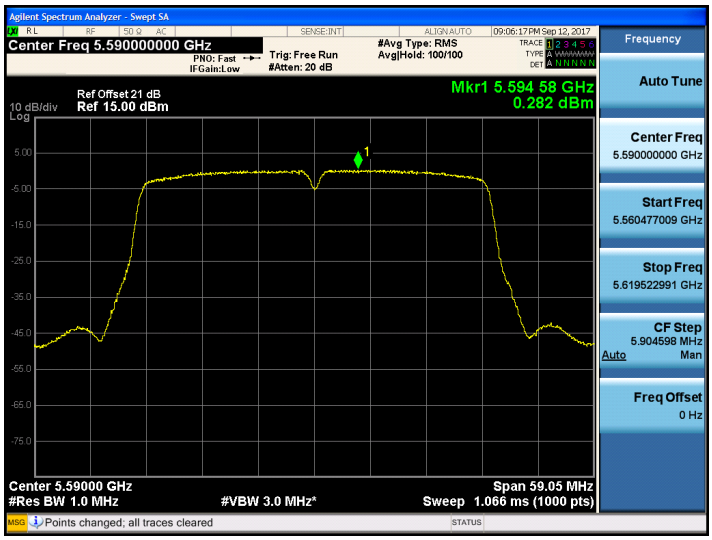
802.11ac_VHT40 UNII 1 BAND PSD CH 46



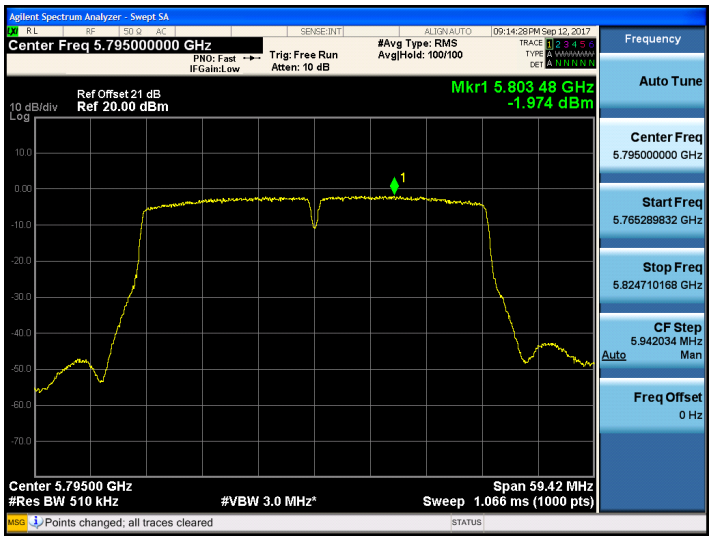
802.11ac_VHT40 UNII 2A BAND PSD CH 54



802.11ac_VHT40 UNII 2C BAND PSD CH 118

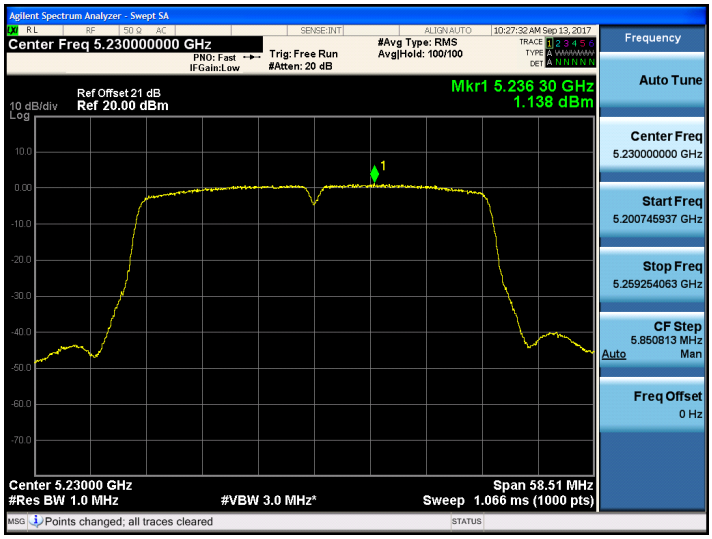


802.11ac_VHT40 UNII 3 BAND PSD CH 159

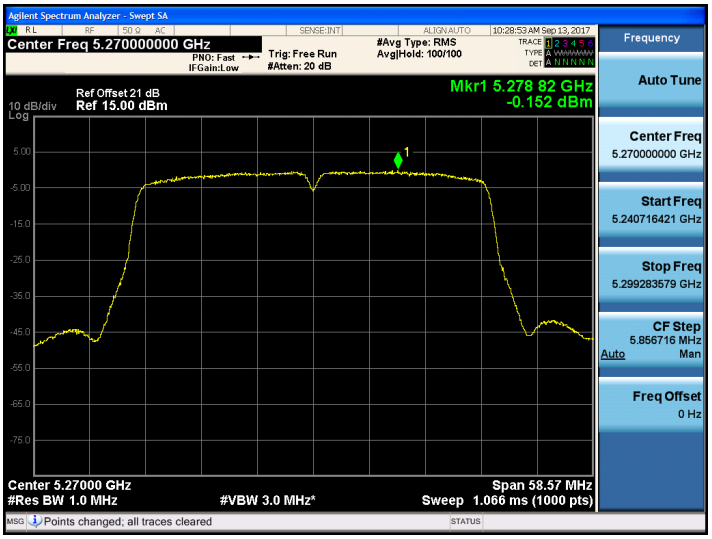


▣ TEST Plot for 802.11ac_VHT40_Ant.3

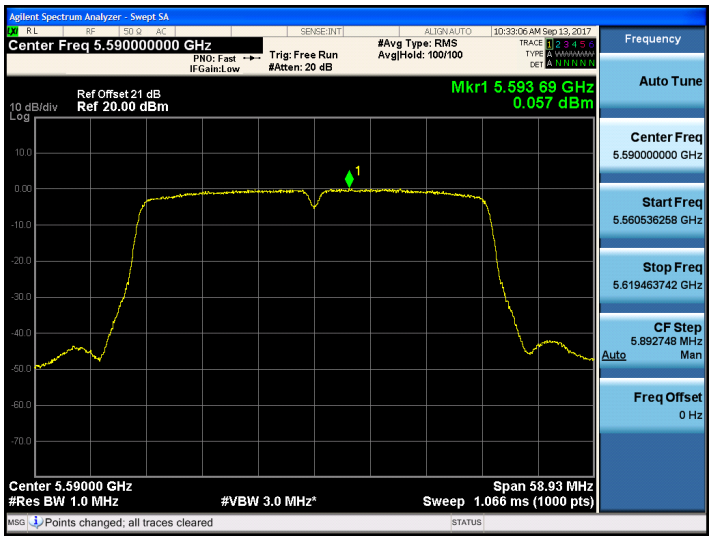
802.11ac_VHT40 UNII 1 BAND PSD CH 46



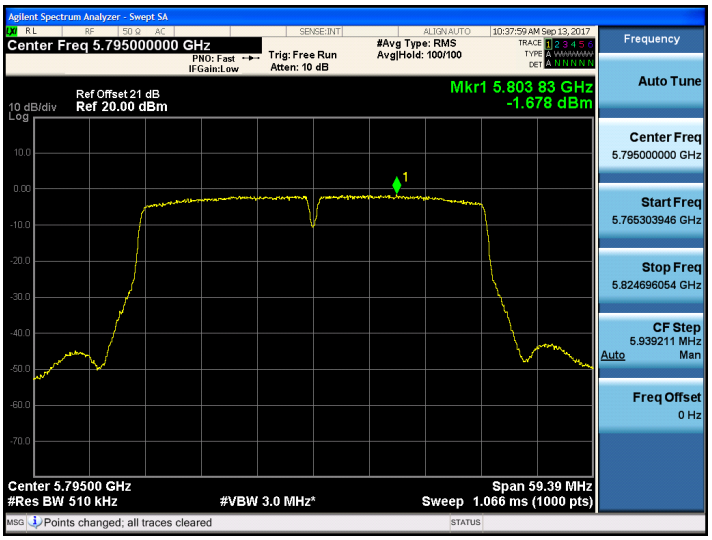
802.11ac_VHT40 UNII 2A BAND PSD CH 54



802.11ac_VHT40 UNII 2C BAND PSD CH 118



802.11ac_VHT40 UNII 3 BAND PSD CH 159



Ant.0

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-8.804	0.226	-8.578	17	Pass
5290	58		-10.559	0.226	-10.333	11	Pass
5530	106		-9.100	0.226	-8.874	11	Pass
5610	122		-3.203	0.226	-2.977		Pass
5690	138		-3.031	0.226	-2.805		Pass
5775	155		-5.587	0.226	-5.361	30	Pass

Ant.1

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-8.679	0.226	-8.453	17	Pass
5290	58		-10.374	0.226	-10.148	11	Pass
5530	106		-9.107	0.226	-8.881	11	Pass
5610	122		-2.749	0.226	-2.523		Pass
5690	138		-3.168	0.226	-2.942		Pass
5775	155		-5.733	0.226	-5.507	30	Pass

Ant.2

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-8.720	0.226	-8.494	17	Pass
5290	58		-10.189	0.226	-9.963	11	Pass
5530	106		-9.373	0.226	-9.147	11	Pass
5610	122		-3.320	0.226	-3.094		Pass
5690	138		-3.058	0.226	-2.832		Pass
5775	155		-5.232	0.226	-5.006	30	Pass

Ant.3

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-8.790	0.226	-8.564	17	Pass
5290	58		-10.097	0.226	-9.871	11	Pass
5530	106		-9.277	0.226	-9.051	11	Pass
5610	122		-3.075	0.226	-2.849		Pass
5690	138		-3.108	0.226	-2.882		Pass
5775	155		-5.063	0.226	-4.837	30	Pass

☑ **Sum Data of Ant.0 and Ant.1**

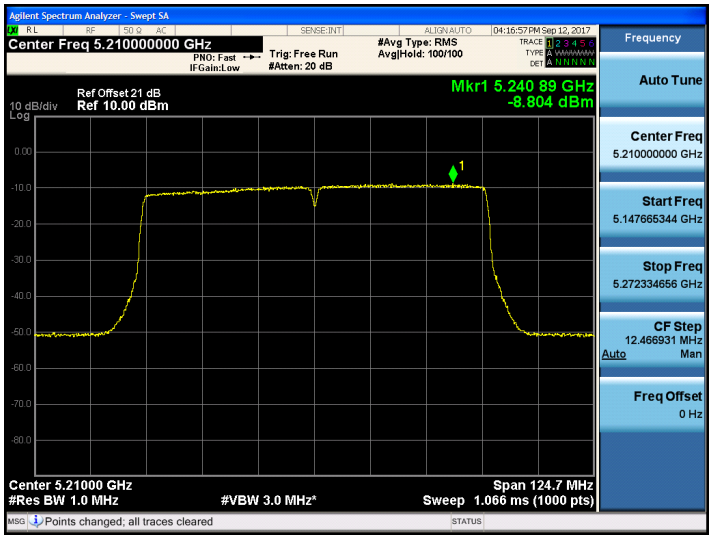
☑ **TEST RESULTS**

Conducted Power Density Measurements

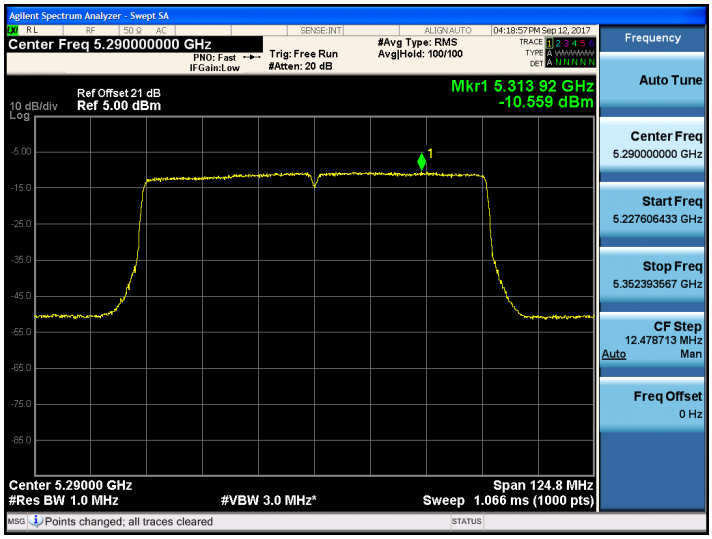
Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT80	-2.50	13.94	Pass
5290	58		-4.06	7.57	Pass
5530	106		-2.97	7.80	Pass
5610	122		3.16		Pass
5690	138		3.16		Pass
5775	155		0.85	26.07	Pass

▣ TEST Plot for 802.11ac_VHT80_Ant.0

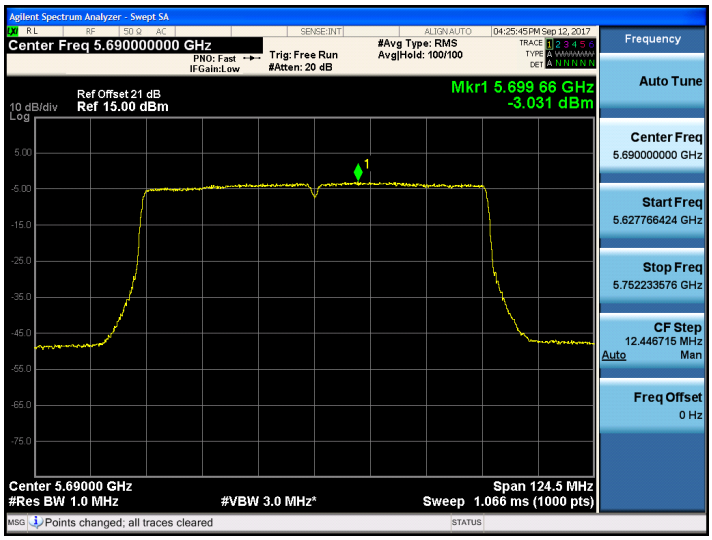
802.11ac_VHT80 UNII 1 BAND PSD CH 42



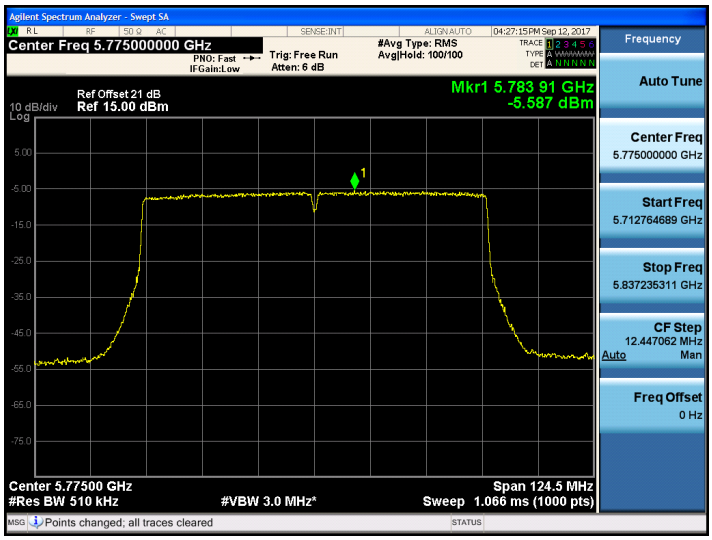
802.11ac_VHT80 UNII 2A BAND PSD CH 58



802.11ac_VHT80 UNII 2C BAND PSD CH 138

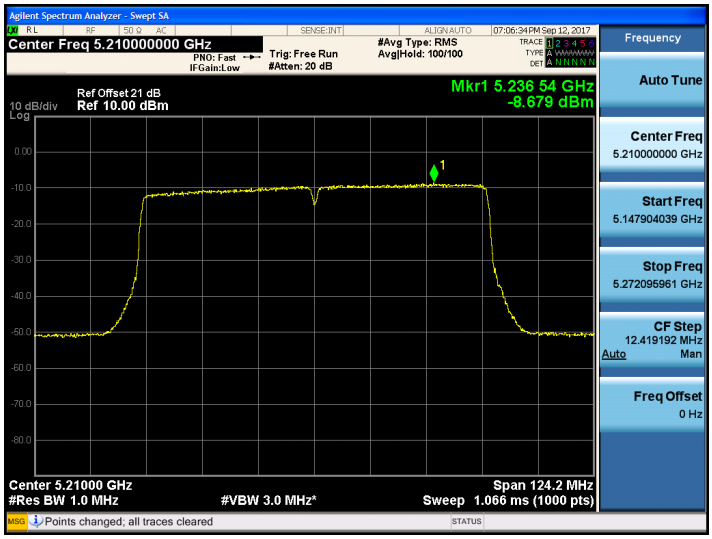


802.11ac_VHT80 UNII 3 BAND PSD CH 155

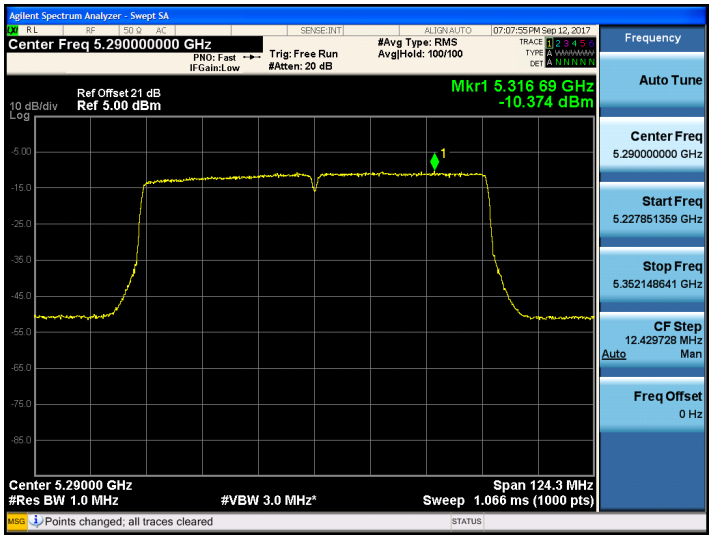


▣ TEST Plot for 802.11ac_VHT80_Ant.1

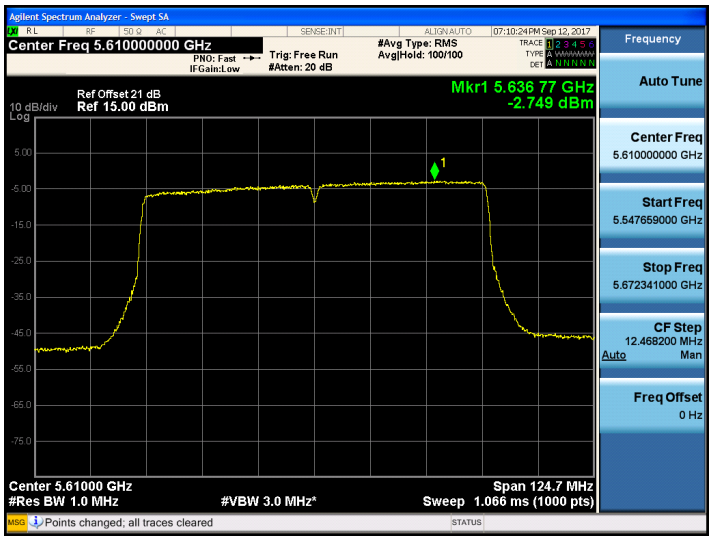
802.11ac_VHT80 UNII 1 BAND PSD CH 42



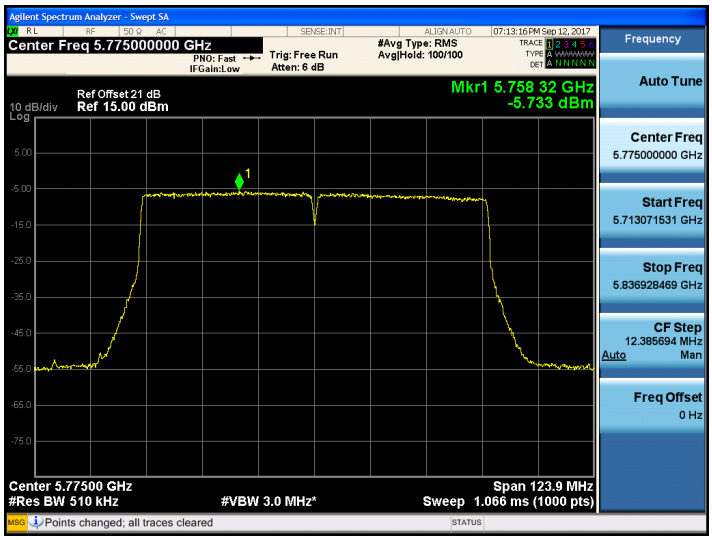
802.11ac_VHT80 UNII 2A BAND PSD CH 58



802.11ac_VHT80 UNII 2C BAND PSD CH 122

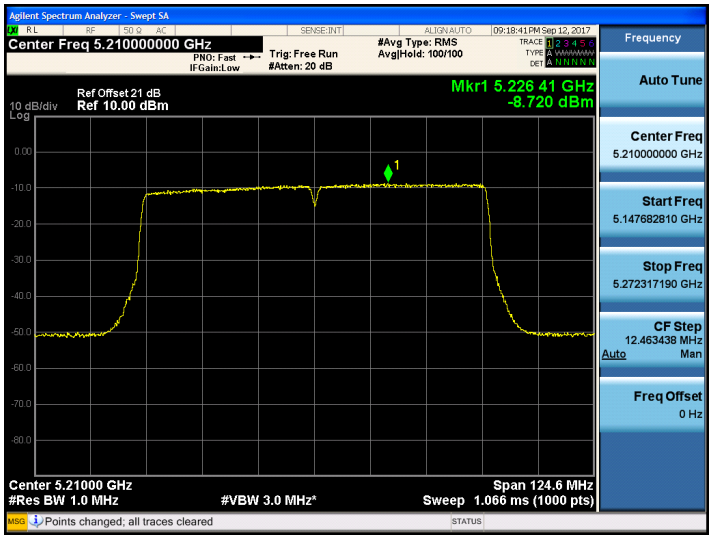


802.11ac_VHT80 UNII 3 BAND PSD CH 155

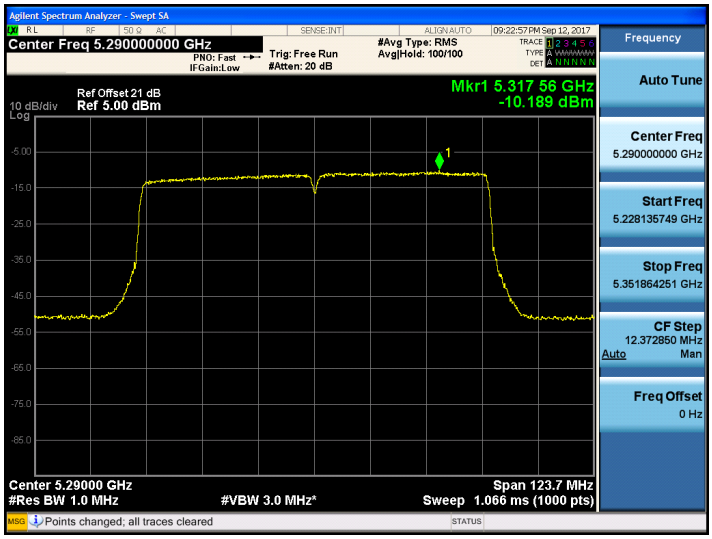


▣ TEST Plot for 802.11ac_VHT80_Ant.2

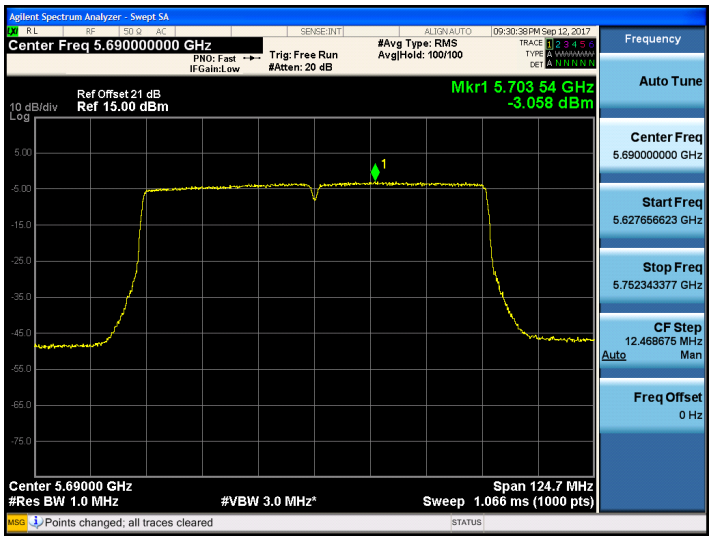
802.11ac_VHT80 UNII 1 BAND PSD CH 42



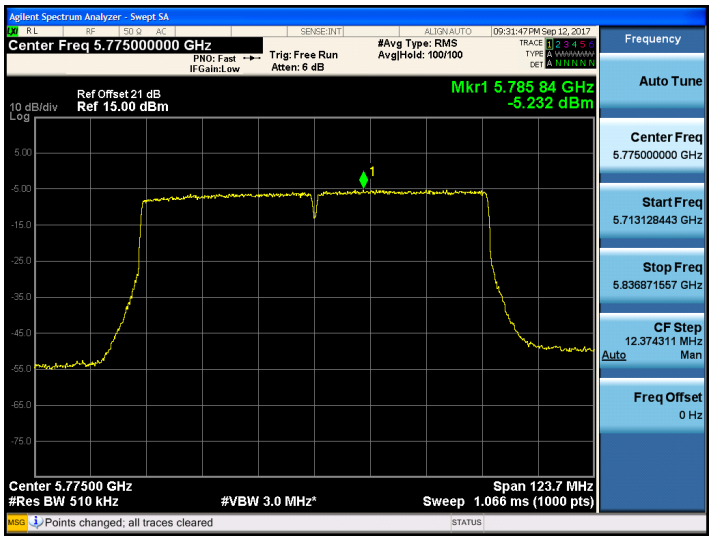
802.11ac_VHT80 UNII 2A BAND PSD CH 58



802.11ac_VHT80 UNII 2C BAND PSD CH 138

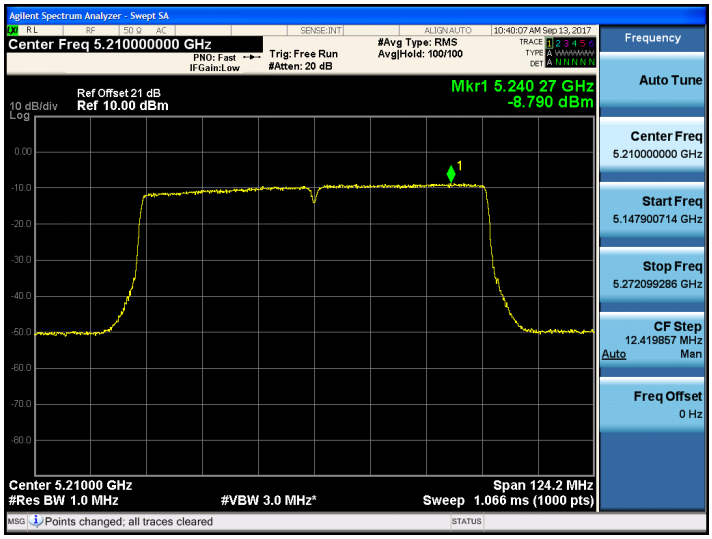


802.11ac_VHT80 UNII 3 BAND PSD CH 155

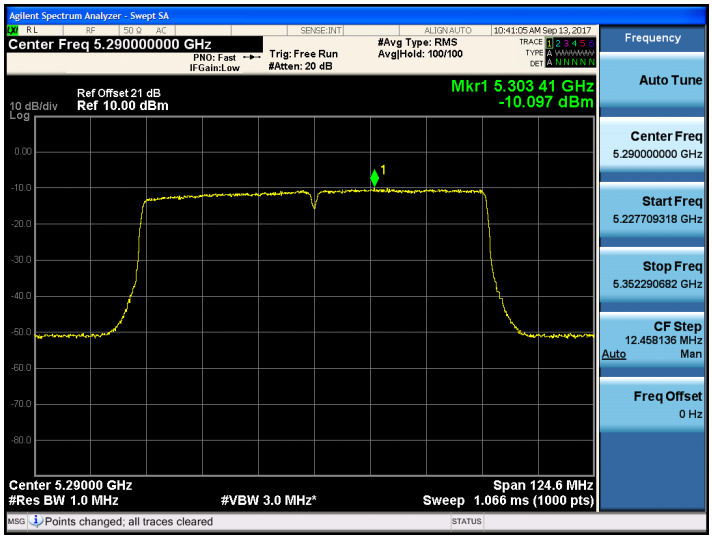


▣ TEST Plot for 802.11ac_VHT80_Ant.3

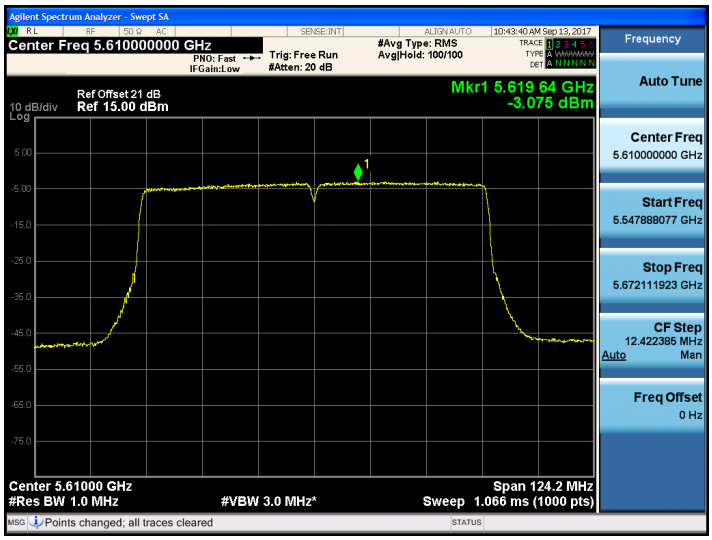
802.11ac_VHT80 UNII 1 BAND PSD CH 42



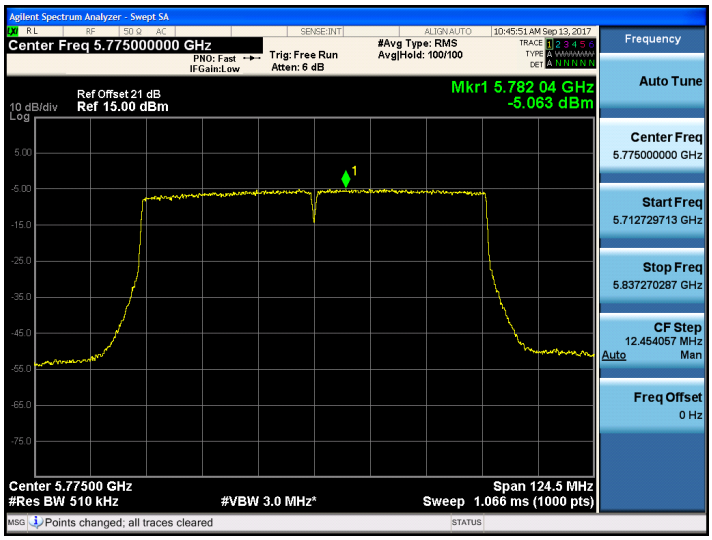
802.11ac_VHT80 UNII 2A BAND PSD CH 58



802.11ac_VHT80 UNII 2C BAND PSD CH 122



802.11ac_VHT80 UNII 3 BAND PSD CH 155



Ant.0, 2

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT160	-6.428	0.125	-6.303	17	Pass
5290	58		-6.313	0.125	-6.188	11	Pass
5530	106		-6.421	0.125	-6.296		Pass
5610	122		-6.363	0.125	-6.238	11	Pass
5210	42		-4.945	0.125	-4.820		Pass
5775	155		-7.925	0.125	-7.800	30	Pass

Ant.1, 3

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT160	-5.640	0.125	-5.515	17	Pass
5290	58		-5.778	0.125	-5.653	11	Pass
5530	106		-5.312	0.125	-5.187		Pass
5610	122		-5.638	1.031	-4.607	11	Pass
5210	42		-4.999	0.125	-4.874		Pass
5775	155		-7.626	0.125	-7.501	30	Pass

▣ **Sum Data of Ant.0, 2 and Ant.1, 3**

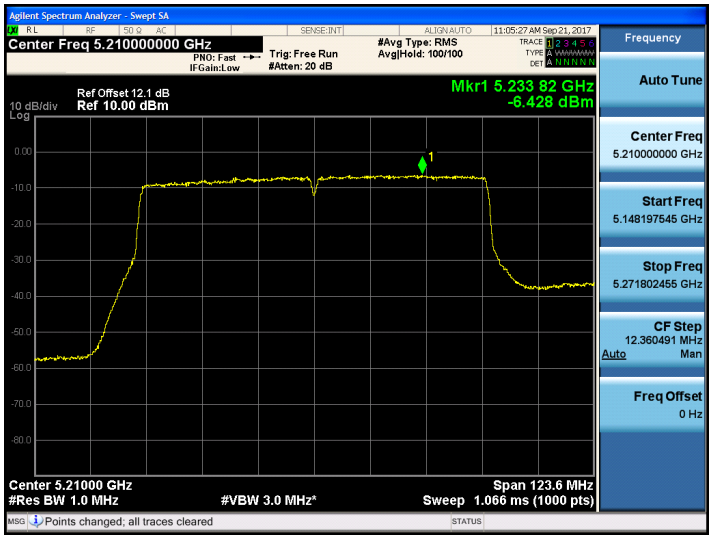
▣ **TEST RESULTS**

Conducted Power Density Measurements

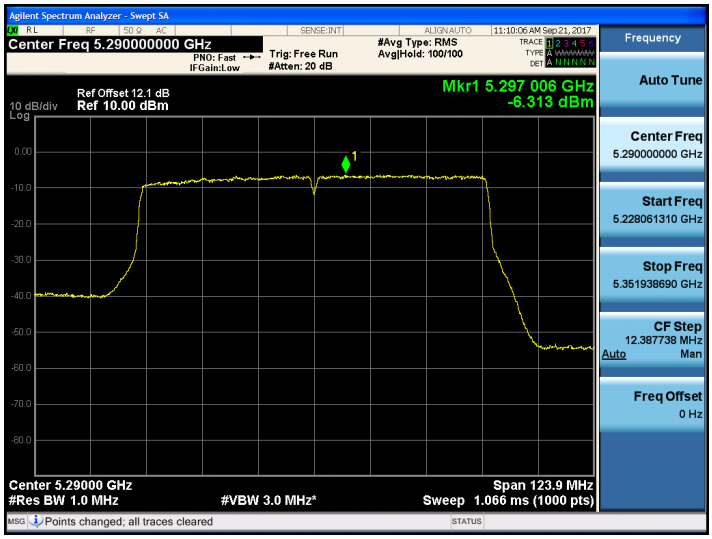
Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5210	42	802.11ac _VHT160	3.56	13.94	Pass
5290	58		3.56	7.57	Pass
5530	106		3.62	7.8	Pass
5610	122		3.74		Pass
5210	42		3.93		Pass
5775	155		3.01	26.07	Pass

▣ TEST Plot for 802.11ac_VHT160_Ant.0, 2

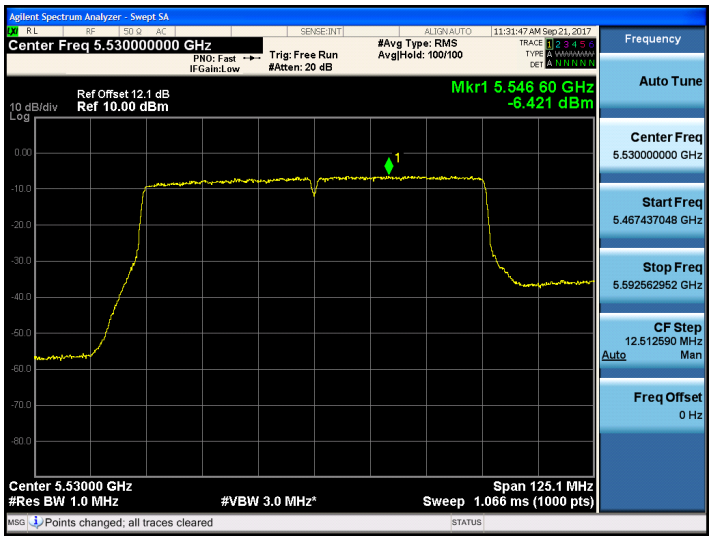
802.11ac_VHT160 PSD CH 42



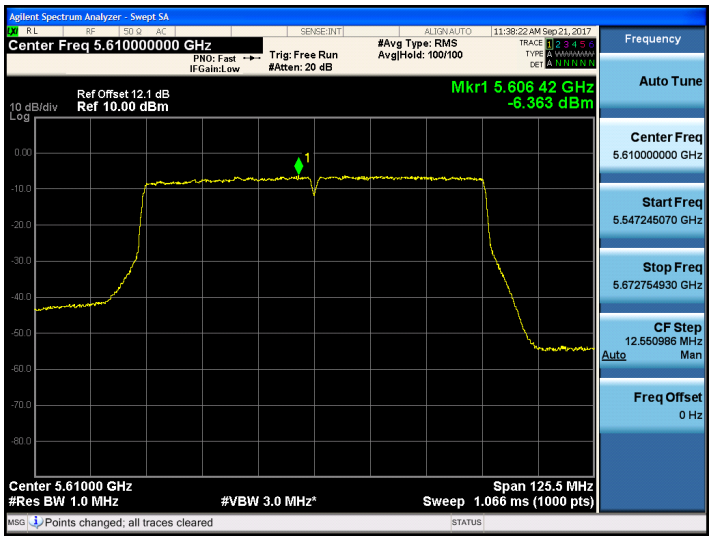
802.11ac_VHT160 PSD CH 58

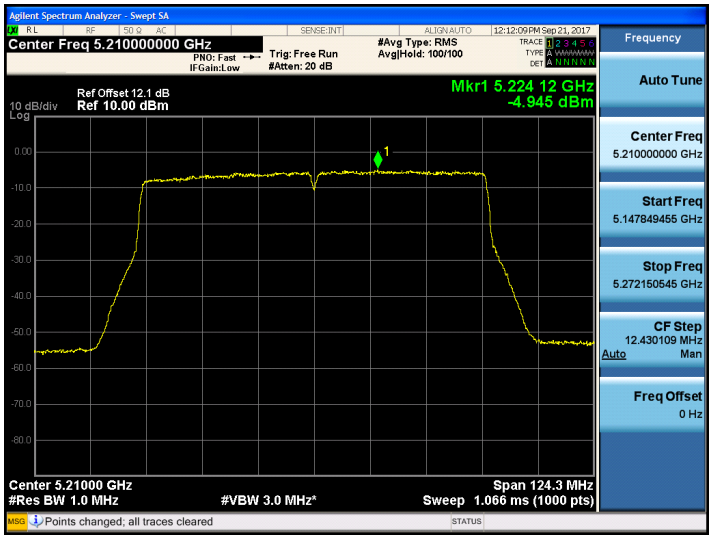
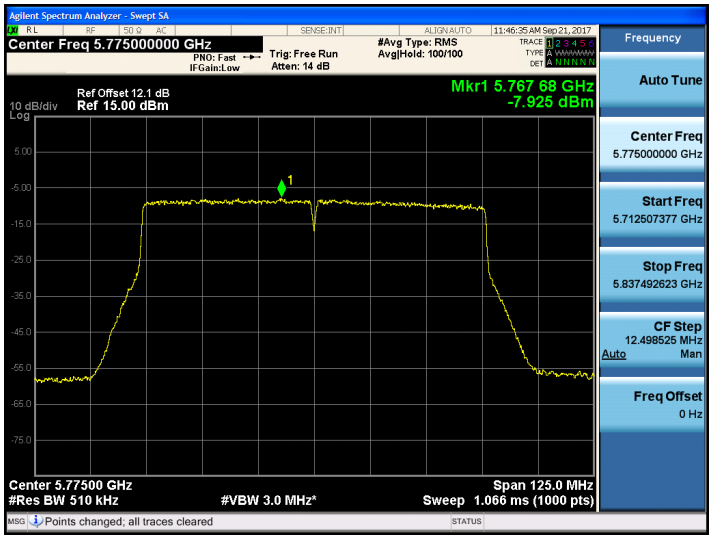


802.11ac_VHT160 PSD CH 106



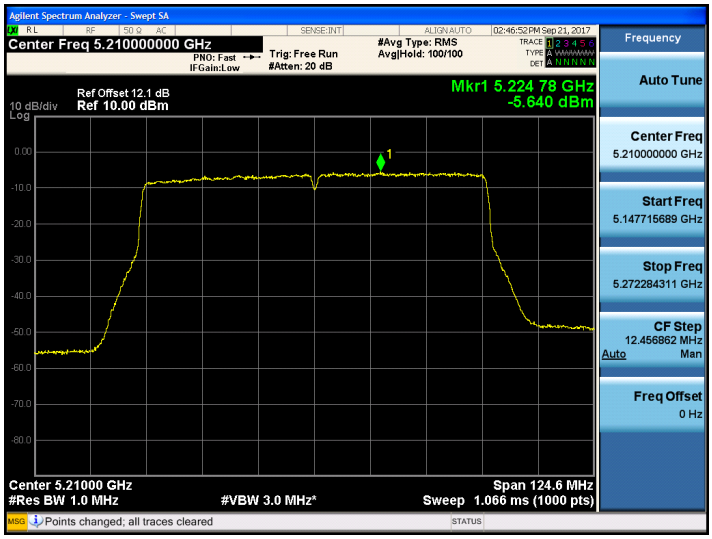
802.11ac_VHT160 PSD CH 122



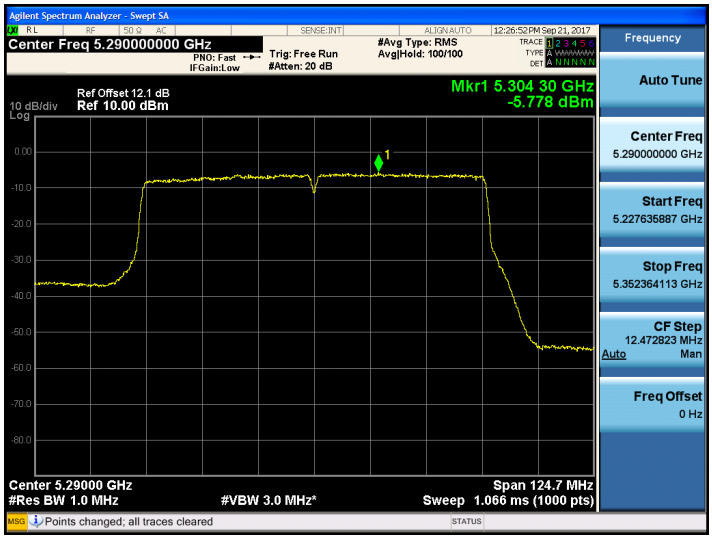
802.11ac_VHT160 PSD CH 42	802.11ac_VHT160 PSD CH 155
	

▣ TEST Plot for 802.11ac_VHT160_Ant.1, 3

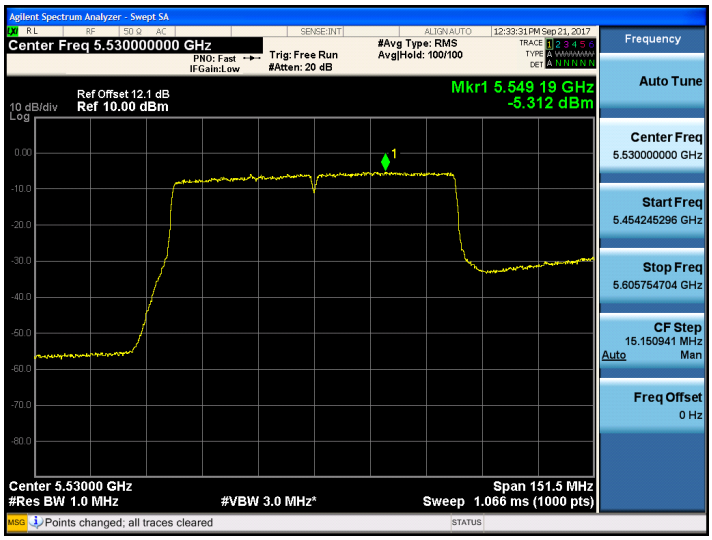
802.11ac_VHT160 PSD CH 42



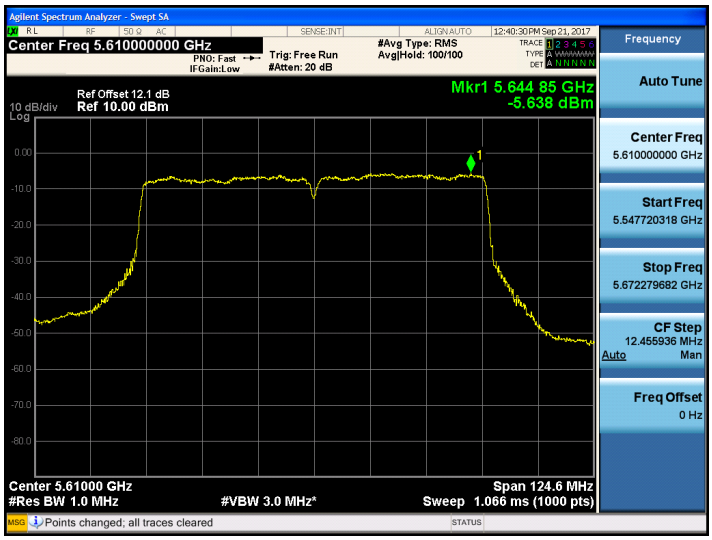
802.11ac_VHT160 PSD CH 58

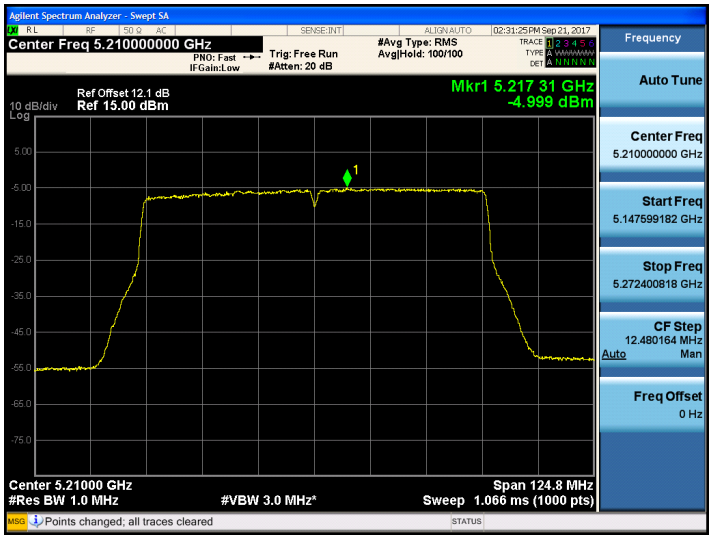
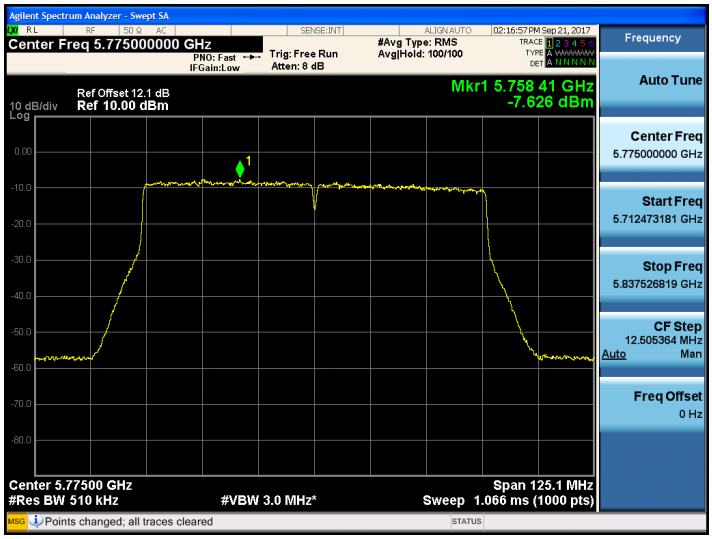


802.11ac_VHT160 PSD CH 106



802.11ac_VHT160 PSD CH 122



802.11ac_VHT160 PSD CH 42	802.11ac_VHT160 PSD CH 155
	

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

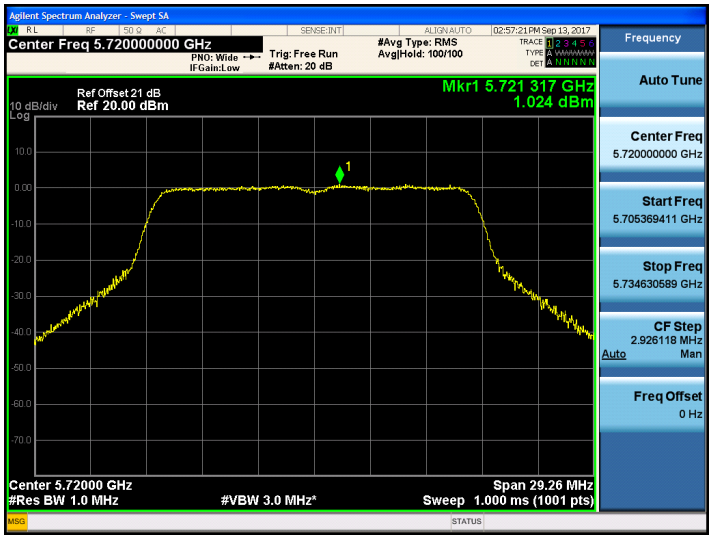
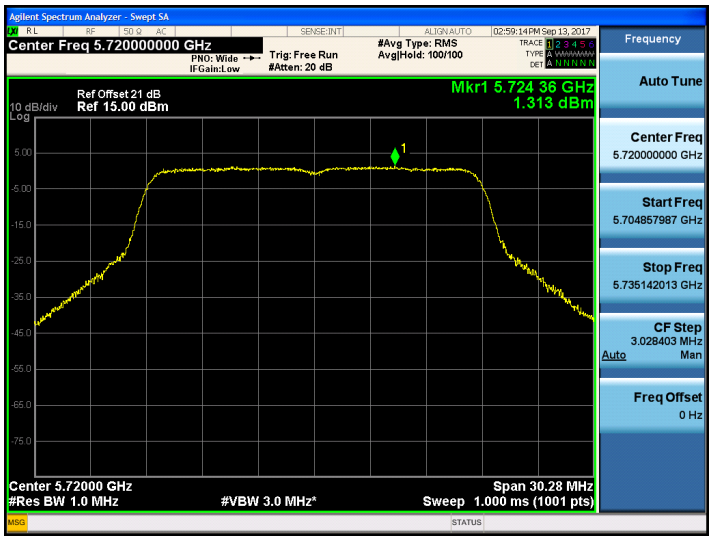
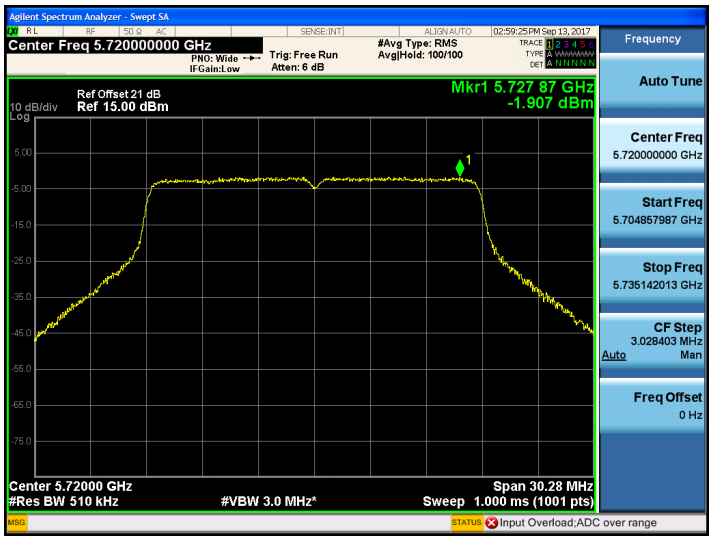
Conducted Power Density Measurements (UNII 2C Band 5720MHz)

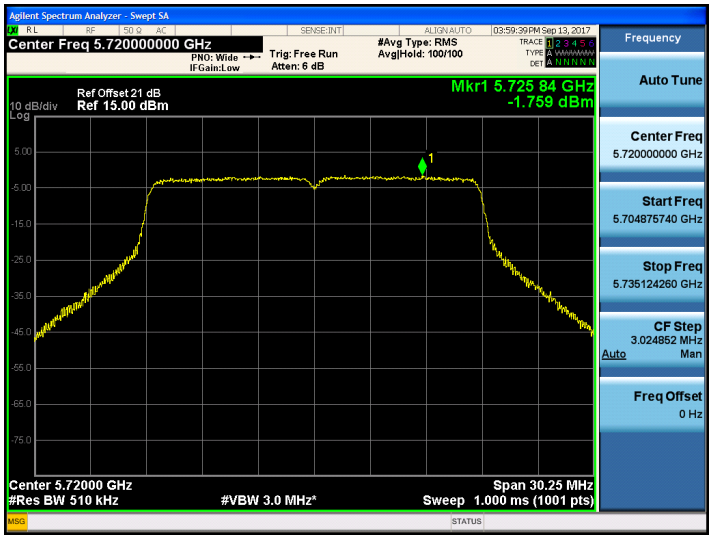
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	1.024	0.494	1.518	11	Pass
		802.11n	1.313	0.129	1.442	11	Pass
		802.11ac	1.183	0.128	1.311	11	Pass

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	-2.613	0.494	-2.119	30	Pass
		802.11n	-1.907	0.129	-1.778	30	Pass
		802.11ac	-1.759	0.128	-1.631	30	Pass

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

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

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

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

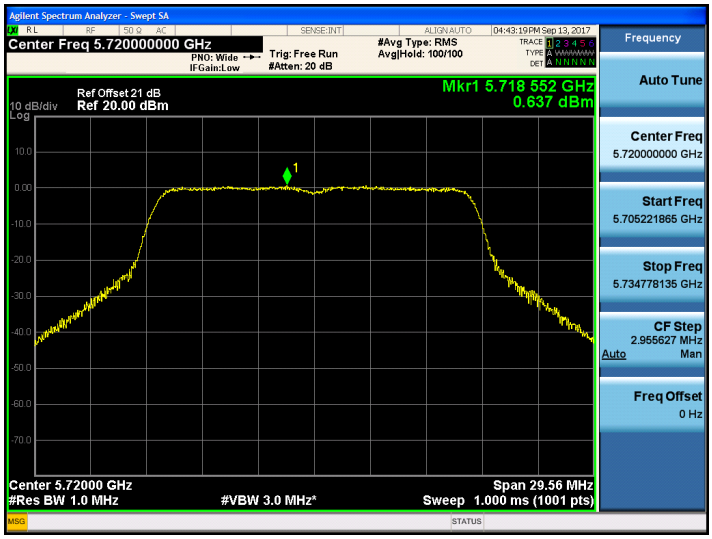
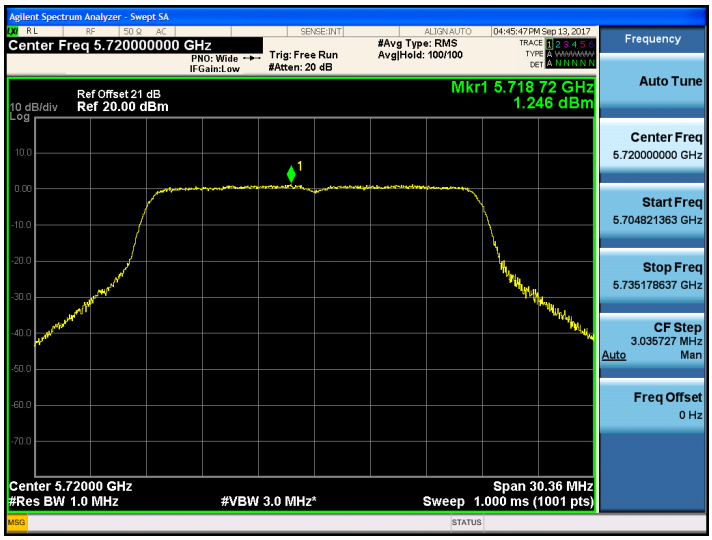
Conducted Power Density Measurements (UNII 2C Band 5720MHz)

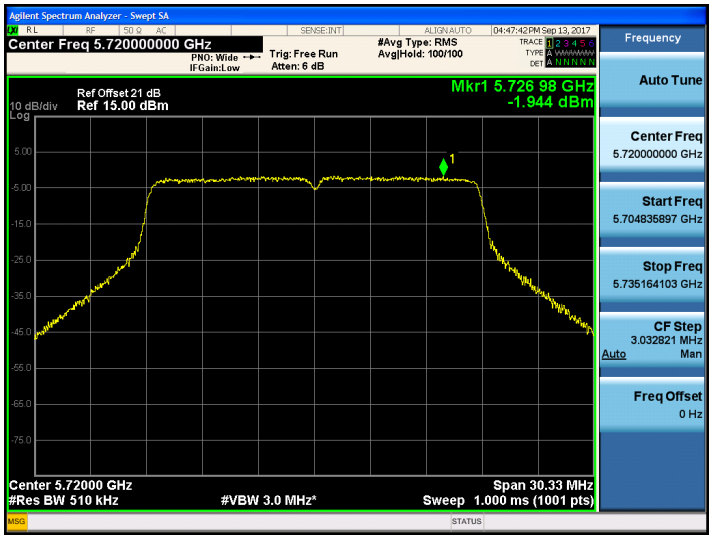
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	0.637	0.494	1.131	11	Pass
		802.11n	1.246	0.129	1.375	11	Pass
		802.11ac	1.052	0.128	1.180	11	Pass

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	-2.449	0.494	-1.955	30	Pass
		802.11n	-1.810	0.129	-1.681	30	Pass
		802.11ac	-1.944	0.128	-1.816	30	Pass

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

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

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

▣Straddle channels TEST RESULTS for 802.11a/n_HT20/ac_VHT20_Ant 2

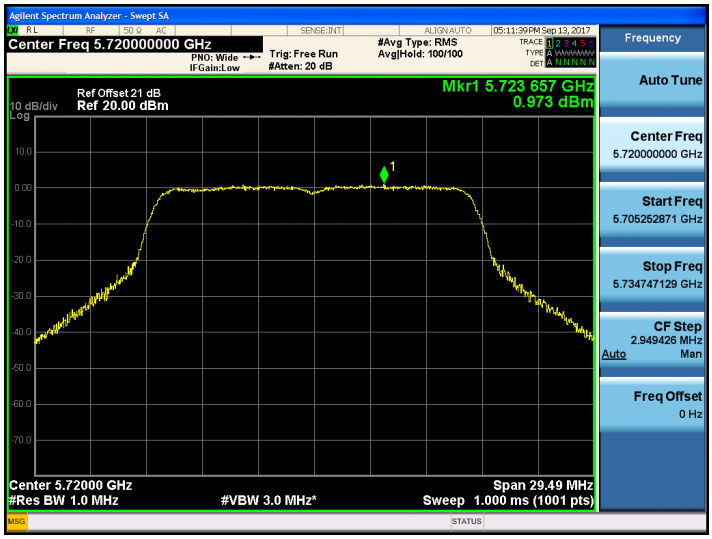
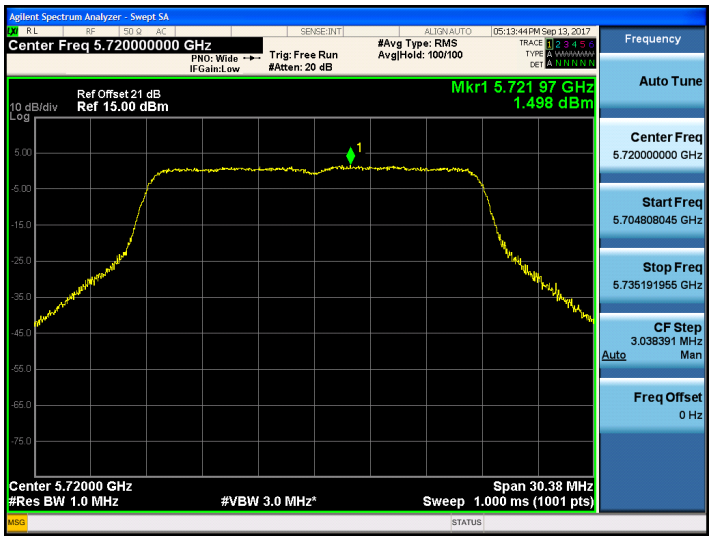
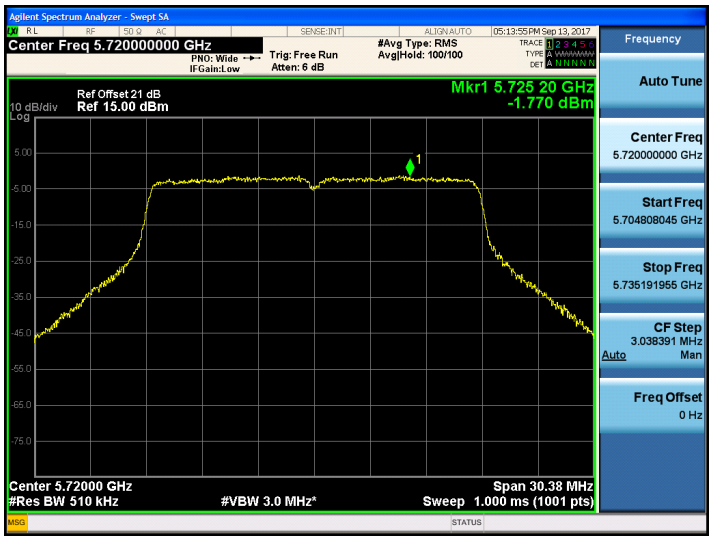
Conducted Power Density Measurements (UNII 2C Band 5720MHz)

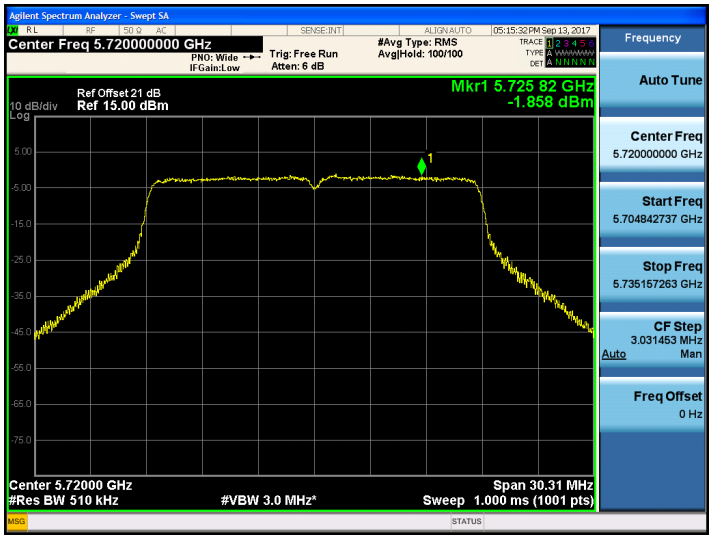
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	0.973	0.494	1.467	11	Pass
		802.11n	1.498	0.129	1.627	11	Pass
		802.11ac	1.260	0.128	1.388	11	Pass

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	-2.176	0.494	-1.682	30	Pass
		802.11n	-1.770	0.129	-1.641	30	Pass
		802.11ac	-1.858	0.128	-1.730	30	Pass

▣Straddle channels TEST Plot for 802.11a/n_HT20/ac_VHT20_Ant 2

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

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

▣Straddle channels TEST RESULTS for 802.11a/n_HT20/ac_VHT20_Ant 3

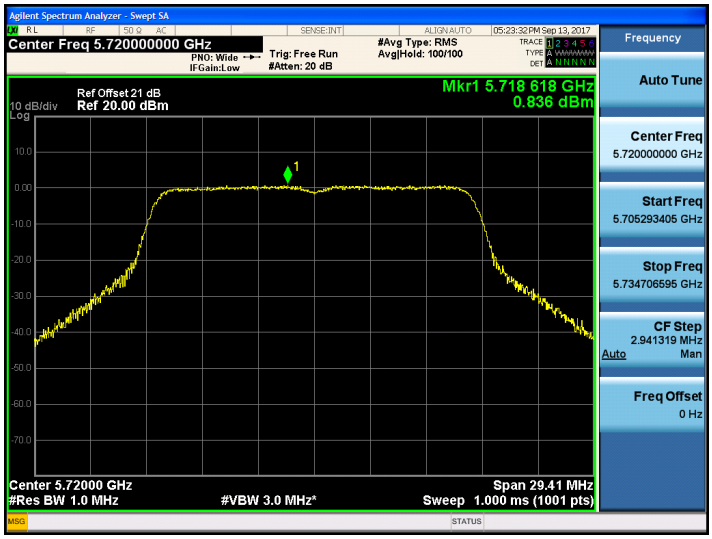
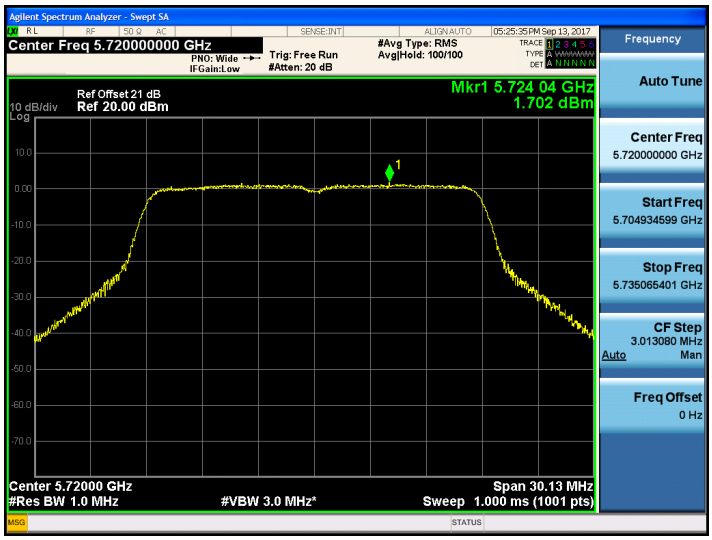
Conducted Power Density Measurements (UNII 2C Band 5720MHz)

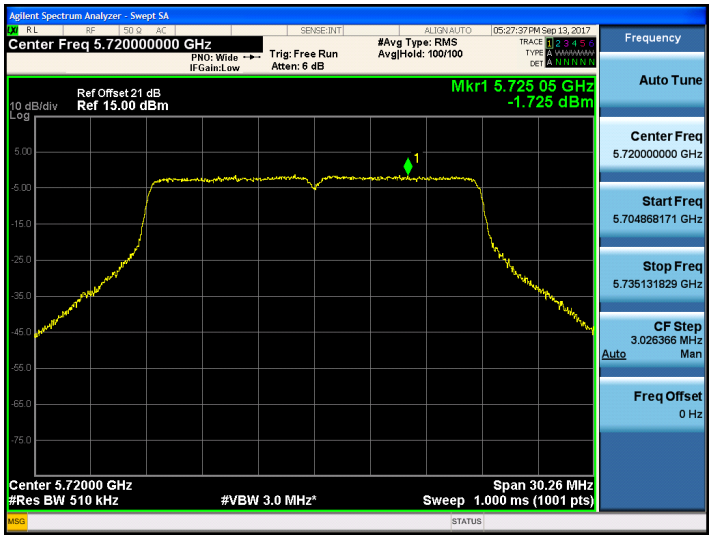
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5720	144	802.11a	0.836	0.494	1.330	11	Pass
		802.11n	1.702	0.129	1.831	11	Pass
		802.11ac	1.229	0.128	1.357	11	Pass

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	-2.008	0.494	-1.514	30	Pass
		802.11n	-1.692	0.129	-1.563	30	Pass
		802.11ac	-1.725	0.128	-1.597	30	Pass

▣Straddle channels TEST Plot for 802.11a/n_HT20/ac_VHT20_Ant 3

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

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

▣Straddle channels

TEST RESULTS for 802.11a/n_HT20/ac_VHT20_Sum Data of Ant.0 and Ant.1 and Ant.2 and Ant.3 (UNII 2C)

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

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5720	144	802.11a	7.38	7.8	Pass
		802.11n	7.59	7.8	Pass
		802.11ac	7.33	7.8	Pass

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

Conducted Power Density Measurements (UNII 3 Band 5720MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5720	144	802.11a	4.21	26.07	Pass
		802.11n	4.36	26.07	Pass
		802.11ac	4.33	26.07	Pass

▣Straddle channels TEST RESULTS for 802.11n_HT40/ac_VHT40_Ant 0

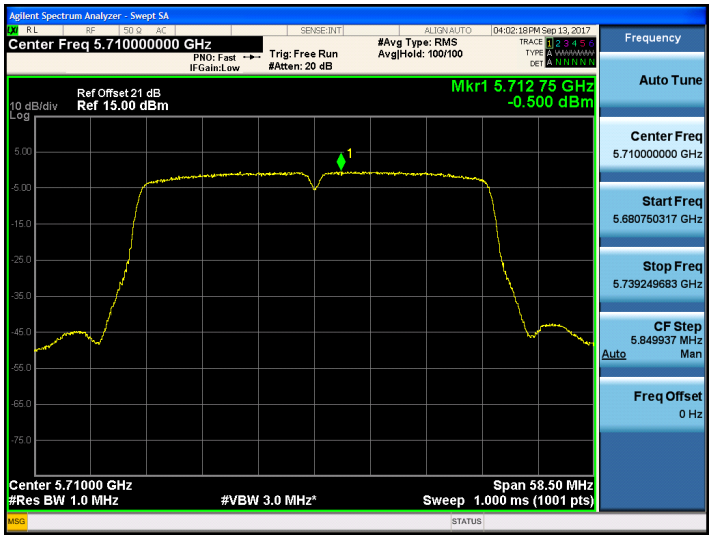
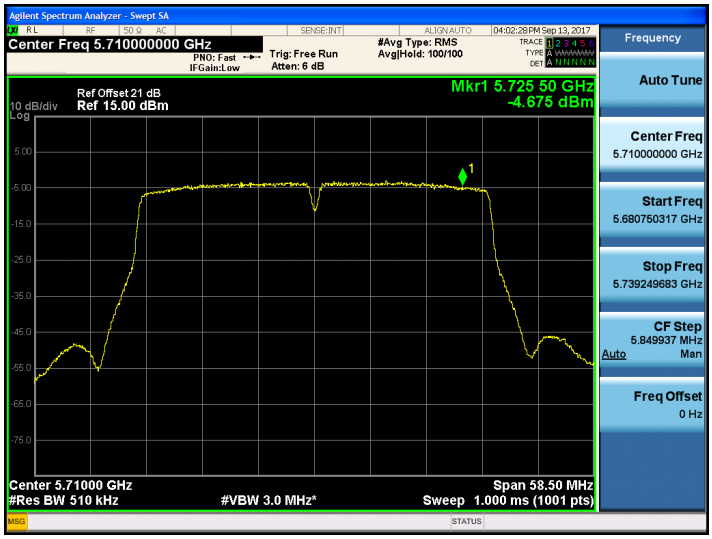
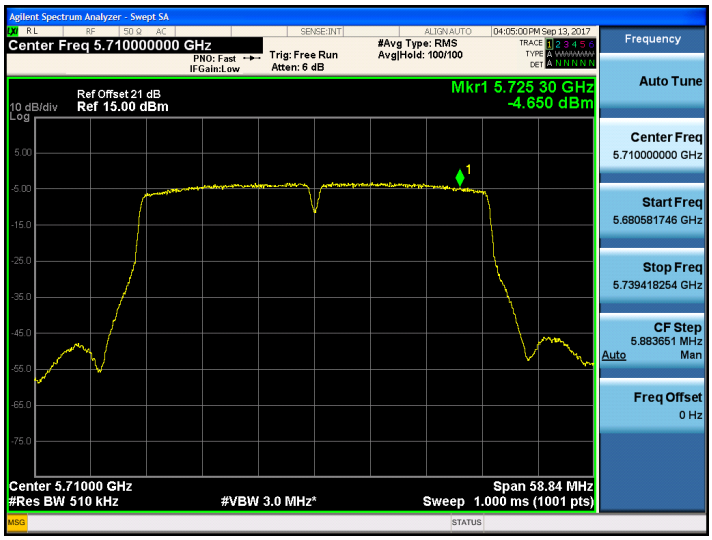
Conducted Power Density Measurements (UNII 2C Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-0.500	0.116	-0.384	11	Pass
		802.11ac	-0.327	0.117	-0.210	11	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	-4.675	0.116	-4.559	30	Pass
		802.11ac	-4.650	0.117	-4.533	30	Pass

▣Straddle channels TEST Plot for 802.11n_HT40/ac_VHT40_Ant 0

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

▣Straddle channels TEST RESULTS for 802.11n_HT40/ac_VHT40_Ant 1

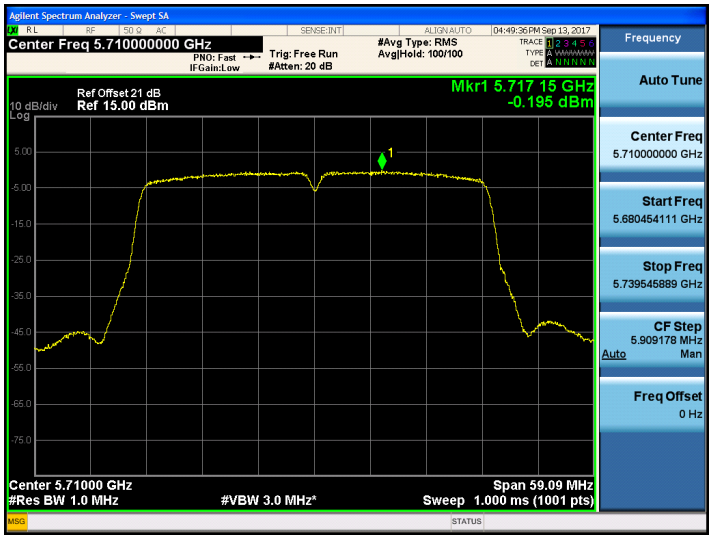
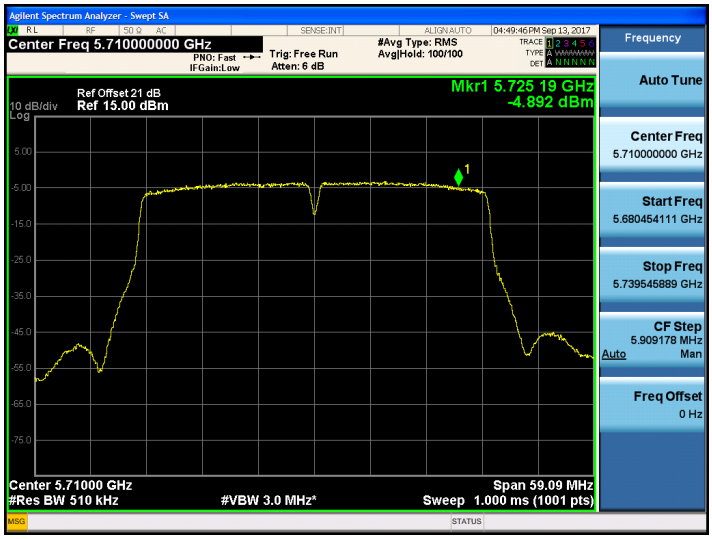
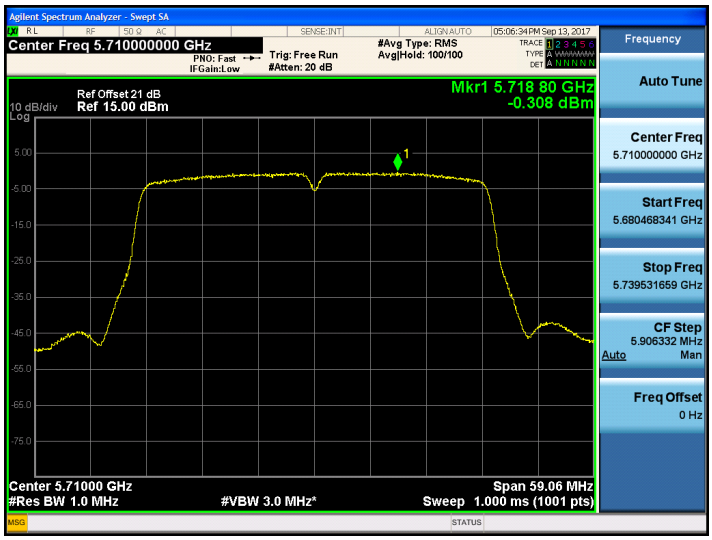
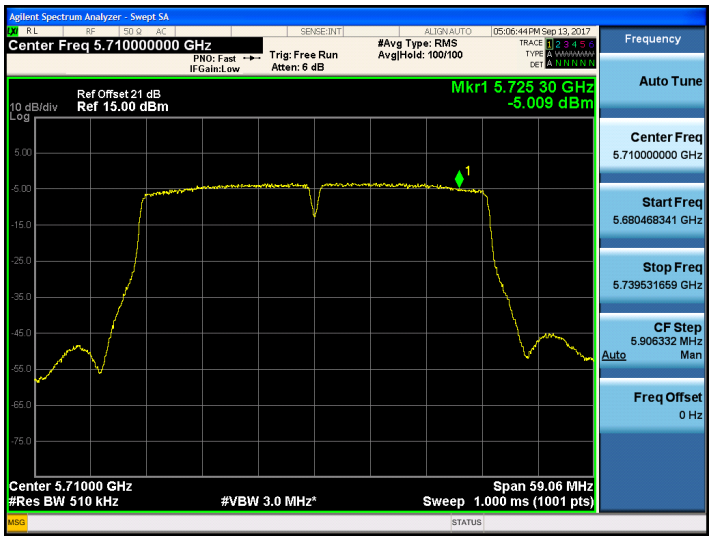
Conducted Power Density Measurements (UNII 2C Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-0.195	0.116	-0.079	11	Pass
		802.11ac	-0.308	0.117	-0.191	11	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	-4.892	0.116	-4.776	30	Pass
		802.11ac	-5.009	0.117	-4.892	30	Pass

▣Straddle channels TEST Plot for 802.11n_HT40/ac_VHT40_Ant 1

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

▣Straddle channels TEST RESULTS for 802.11n_HT40/ac_VHT40_Ant 2

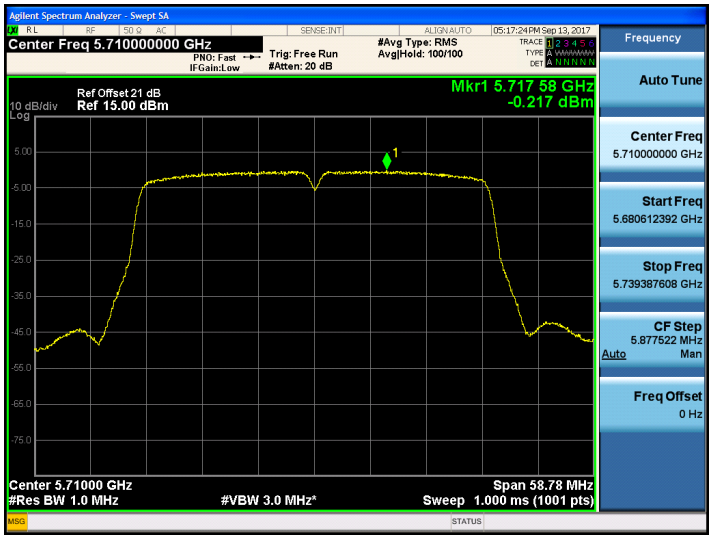
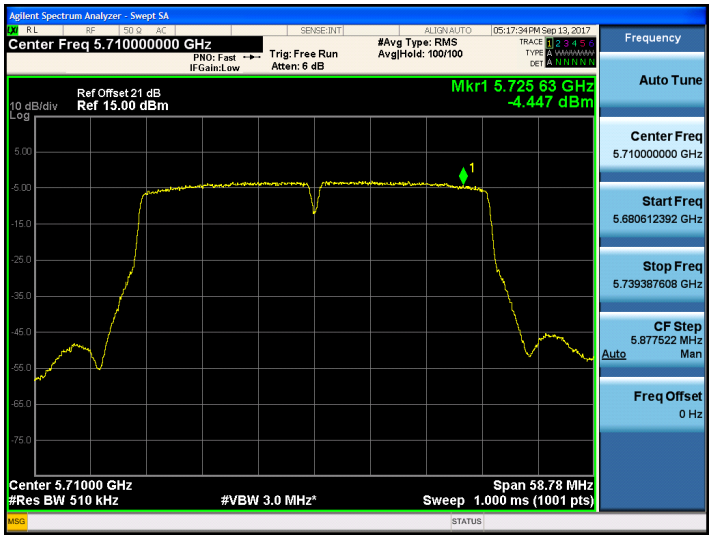
Conducted Power Density Measurements (UNII 2C Band 5710MHz)

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	-0.217	0.116	-0.101	11	Pass
		802.11ac	-0.094	0.117	0.023	11	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	-4.447	0.116	-4.331	30	Pass
		802.11ac	-4.597	0.117	-4.480	30	Pass

▣Straddle channels TEST Plot for 802.11n_HT40/ac_VHT40_Ant 2

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

▣Straddle channels TEST RESULTS for 802.11n_HT40/ac_VHT40_Ant 3

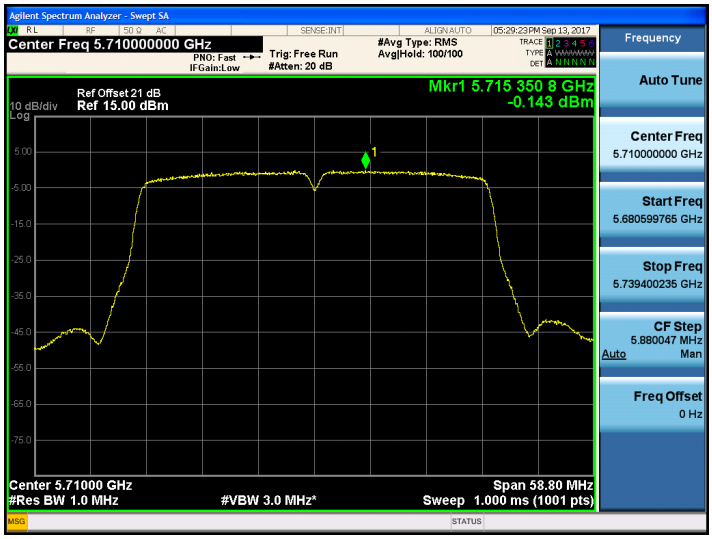
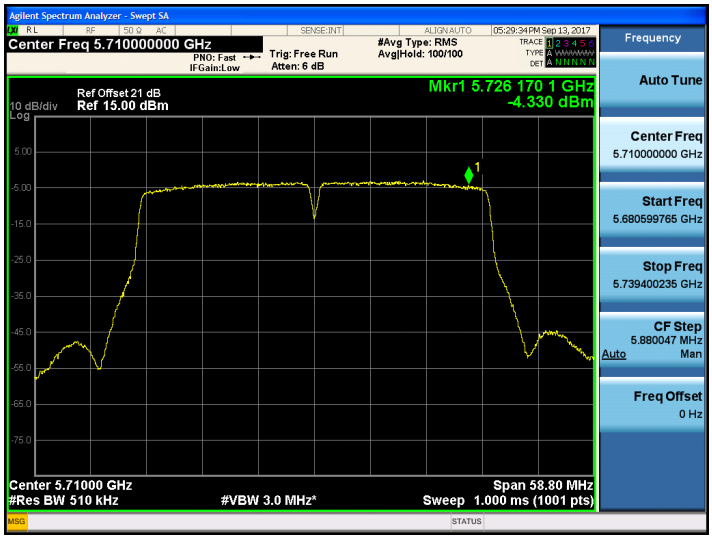
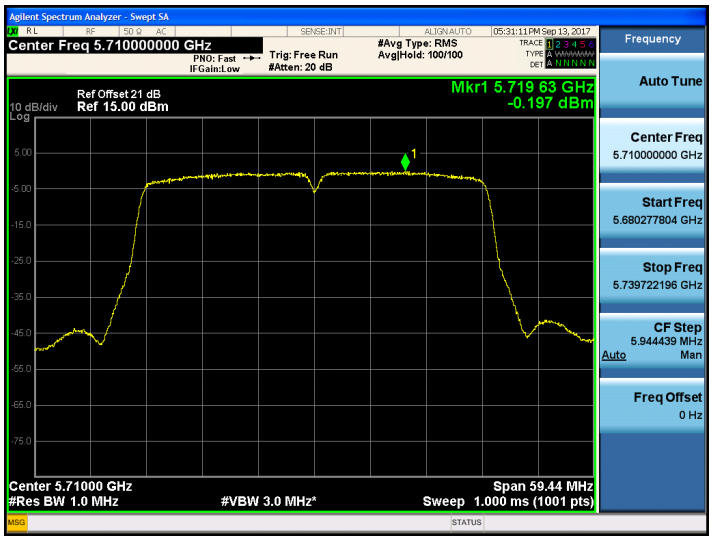
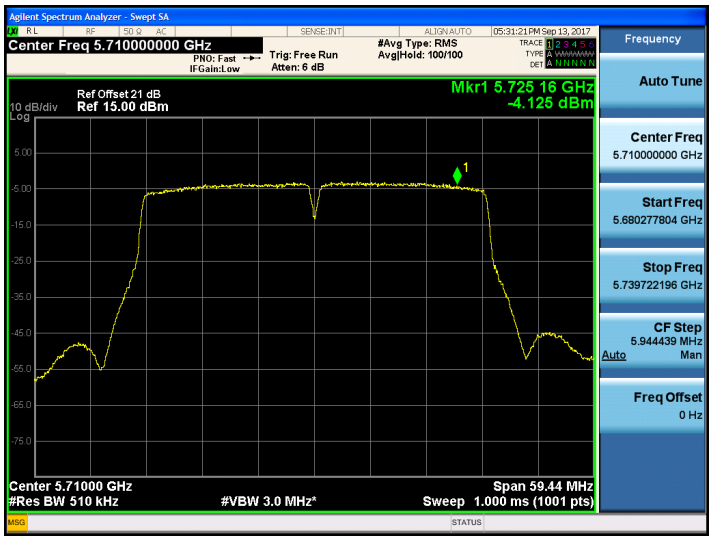
Conducted Power Density Measurements (UNII 2C Band 5710MHz)

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	-0.143	0.116	-0.027	11	Pass
		802.11ac	-0.197	0.117	-0.080	11	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	-4.330	0.116	-4.214	30	Pass
		802.11ac	-4.125	0.117	-4.008	30	Pass

▣Straddle channels TEST Plot for 802.11n_HT40/ac_VHT40_Ant 3

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

▣Straddle channels

TEST RESULTS for 802.11n_HT40/ac_VHT40_Sum Data of Ant.0 and Ant.1 and Ant.2 and Ant.3 (UNII 2C)

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

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5710	142	802.11n	5.87	7.8	Pass
		802.11ac	5.91	7.8	Pass

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

Conducted Power Density Measurements (UNII 3 Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5710	142	802.11n	1.55	26.07	Pass
		802.11ac	1.55	26.07	Pass

▣Straddle channels TEST RESULTS_Ant 0

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

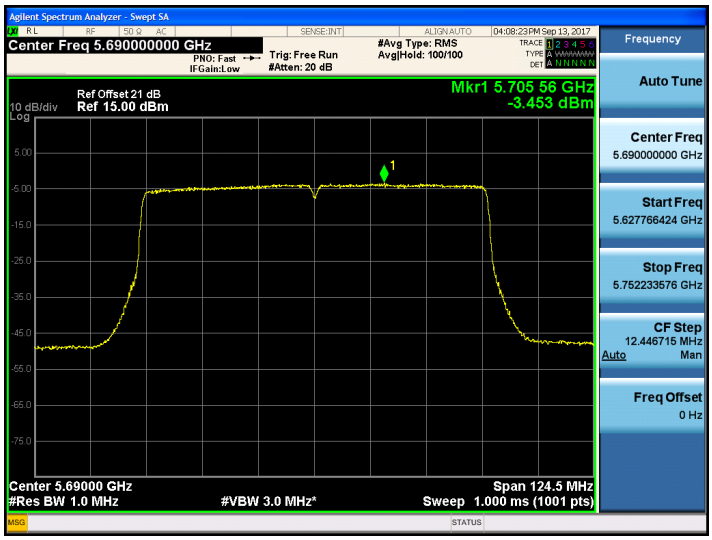
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-3.453	0.226	-3.227	11	Pass

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

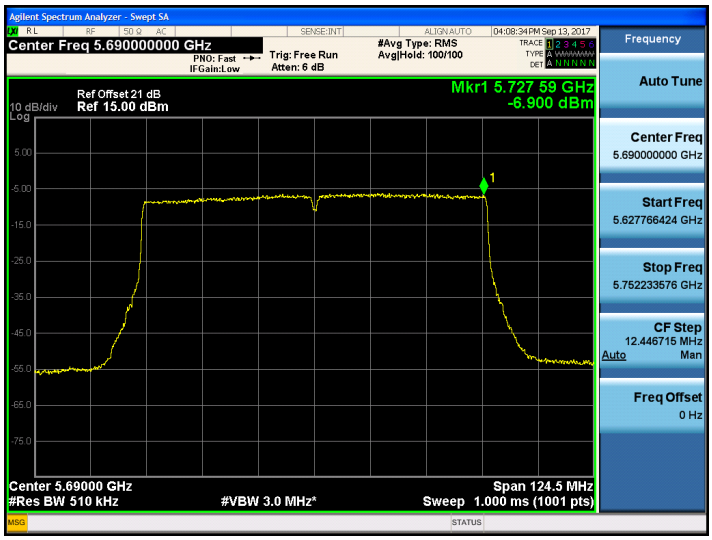
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-6.900	0.226	-6.674	30	Pass

▣Straddle channels TEST Plot for 802.11ac_VHT80_Ant 0

802.11ac_VHT80 UNII 2C Band PSD CH.138



802.11ac_VHT80 UNII 3 Band PSD CH.138



▣Straddle channels TEST RESULTS_Ant 1

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

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-2.985	0.226	-2.759	11	Pass

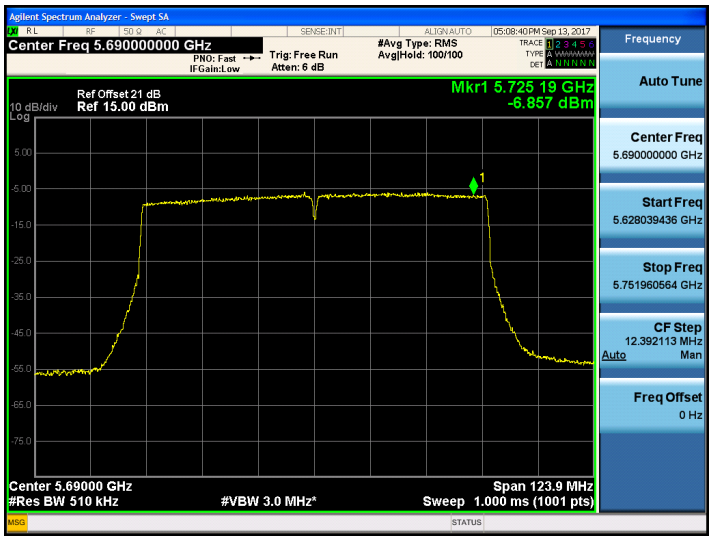
Conducted Power Density Measurements (UNII 3 Band 5690MHz)

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	-6.857	0.226	-6.631	30	Pass

▣Straddle channels TEST Plot for 802.11ac_VHT80_Ant 1

802.11ac_VHT80 UNII 2C Band PSD CH.138

802.11ac_VHT80 UNII 3 Band PSD CH.138



▣Straddle channels TEST RESULTS_Ant 2

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

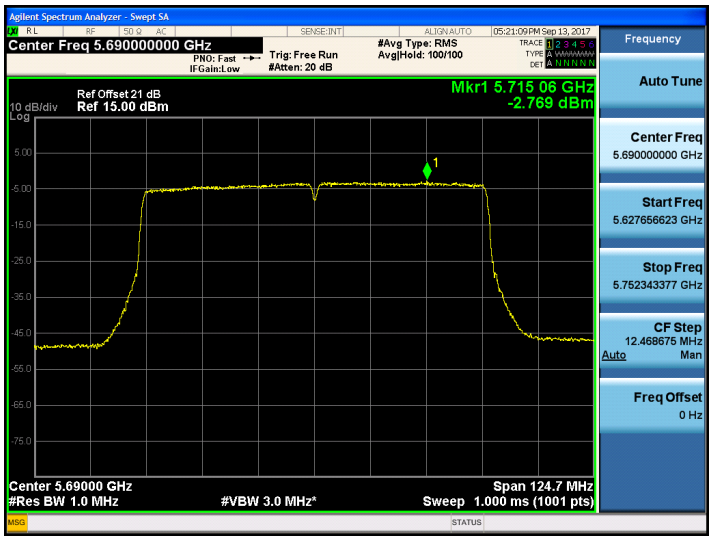
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-2.769	0.226	-2.543	11	Pass

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

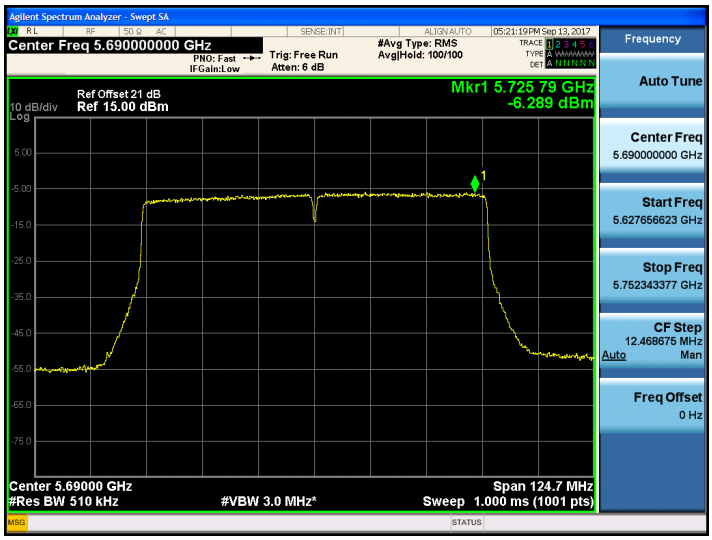
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-6.289	0.226	-6.063	30	Pass

▣Straddle channels TEST Plot for 802.11ac_VHT80_Ant 2

802.11ac_VHT80 UNII 2C Band PSD CH.138



802.11ac_VHT80 UNII 3 Band PSD CH.138



▣Straddle channels TEST RESULTS_Ant 3

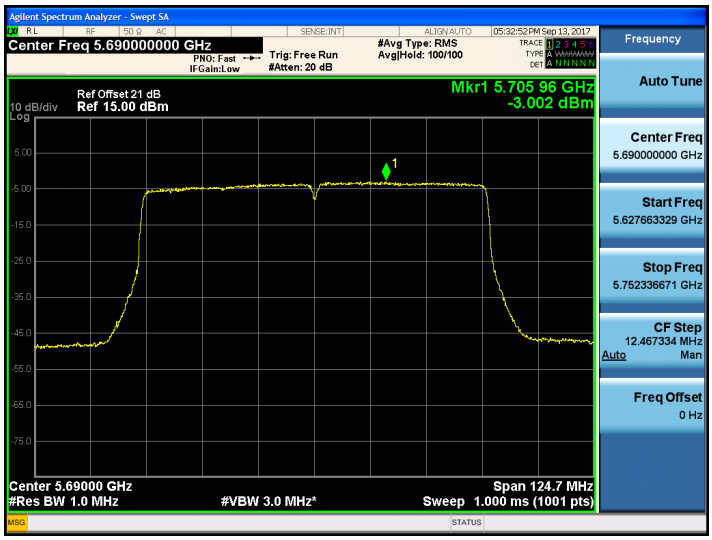
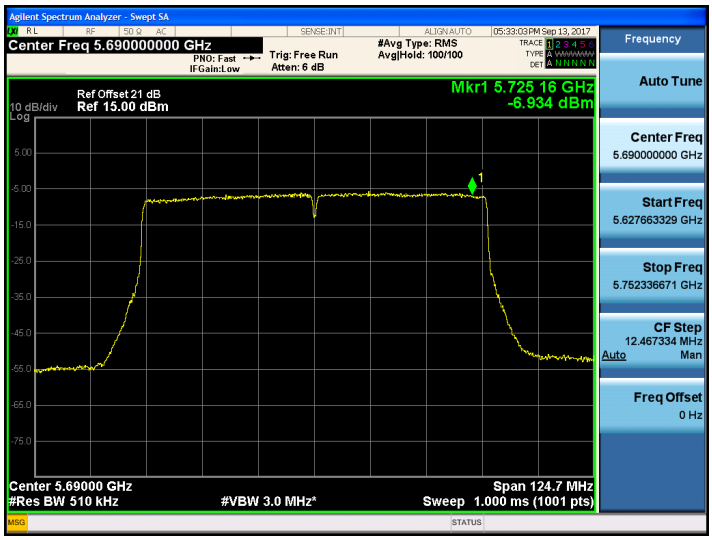
Conducted Power Density Measurements (UNII 2C Band 5690MHz)

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	-3.002	0.226	-2.776	11	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	-6.934	0.226	-6.708	30	Pass

▣Straddle channels TEST Plot for 802.11ac_VHT80_Ant 3

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

▣Straddle channels

TEST RESULTS for 802.11ac_VHT80_Sum Data of Ant.0 and Ant.1 and Ant.2 and Ant.3 (UNII 2C)

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

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5690	138	802.11ac	3.20	7.8	Pass

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

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-0.49	26.07	Pass

9.5 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.

[Omni]

[Ant.0]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5180020.47	20.47
100%		-30	5180057.72	57.72
100%		-20	5180038.12	38.12
100%		-10	5180041.44	41.44
100%		0	5180033.24	33.24
100%		+10	5180028.76	28.76
100%		+30	5180025.58	25.58
100%		+40	5180048.57	48.57
100%		+50	5180053.29	53.29
115%	55.20	+20	5180040.12	40.12
Batt. Endpoint	40.80	+20	5180036.81	36.81

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.

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5260017.85	17.85
100%		-30	5260056.95	56.95
100%		-20	5260035.63	35.63
100%		-10	5260040.40	40.4
100%		0	5260031.46	31.46
100%		+10	5260027.24	27.24
100%		+30	5260023.66	23.66
100%		+40	5260049.58	49.58
100%		+50	5260053.47	53.47
115%	55.20	+20	5260040.83	40.83
Batt. Endpoint	40.80	+20	5260036.04	36.04

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,500,000,000 Hz

CHANNEL: 100

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5500019.22	19.22
100%		-30	5500057.89	57.89
100%		-20	5500037.40	37.4
100%		-10	5500040.91	40.91
100%		0	5500033.50	33.5
100%		+10	5500028.60	28.6
100%		+30	5500025.16	25.16
100%		+40	5500049.92	49.92
100%		+50	5500054.38	54.38
115%	55.20	+20	5500041.10	41.10
Batt. Endpoint	40.80	+20	5500038.42	38.42

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: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5745020.30	20.30
100%		-30	5745056.59	56.59
100%		-20	5745036.78	36.78
100%		-10	5745041.52	41.52
100%		0	5745032.52	32.52
100%		+10	5745028.07	28.07
100%		+30	5745023.53	23.53
100%		+40	5745048.77	48.77
100%		+50	5745052.24	52.24
115%	55.20	+20	5745040.74	40.74
Batt. Endpoint	40.80	+20	5745036.29	36.29

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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5190021.20	21.20
100%		-30	5190057.65	57.65
100%		-20	5190036.35	36.35
100%		-10	5190041.01	41.01
100%		0	5190031.47	31.47
100%		+10	5190027.06	27.06
100%		+30	5190023.24	23.24
100%		+40	5190048.35	48.35
100%		+50	5190052.59	52.59
115%	55.20	+20	5190040.12	40.12
Batt. Endpoint	40.80	+20	5190034.82	34.82

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5270019.57	19.57
100%		-30	5270057.34	57.34
100%		-20	5270035.84	35.84
100%		-10	5270040.26	40.26
100%		0	5270031.85	31.85
100%		+10	5270027.73	27.73
100%		+30	5270023.25	23.25
100%		+40	5270049.11	49.11
100%		+50	5270052.43	52.43
115%	55.20	+20	5270041.01	41.01
Batt. Endpoint	40.80	+20	5270035.96	35.96

Note:

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

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,510,000,000 Hz
CHANNEL: 102
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5510021.55	21.55
100%		-30	5510057.17	57.17
100%		-20	5510037.15	37.15
100%		-10	5510041.38	41.38
100%		0	5510032.29	32.29
100%		+10	5510027.67	27.67
100%		+30	5510023.20	23.2
100%		+40	5510049.12	49.12
100%		+50	5510053.27	53.27
115%	55.20	+20	5510040.14	40.14
Batt. Endpoint	40.80	+20	5510036.41	36.41

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 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5755020.39	20.39
100%		-30	5755058.90	58.90
100%		-20	5755035.90	35.9
100%		-10	5755040.63	40.63
100%		0	5755031.27	31.27
100%		+10	5755027.45	27.45
100%		+30	5755022.36	22.36
100%		+40	5755048.81	48.81
100%		+50	5755053.84	53.84
115%	55.20	+20	5755040.37	40.37
Batt. Endpoint	40.80	+20	5755035.08	35.08

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.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5210021.54	21.54
100%		-30	5210057.56	57.56
100%		-20	5210036.51	36.51
100%		-10	5210041.55	41.55
100%		0	5210032.54	32.54
100%		+10	5210027.52	27.52
100%		+30	5210023.88	23.88
100%		+40	5210048.90	48.90
100%		+50	5210052.83	52.83
115%	55.20	+20	5210041.03	41.03
Batt. Endpoint	40.80	+20	5210036.44	36.44

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: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5290019.33	19.33
100%		-30	5290057.88	57.88
100%		-20	5290037.34	37.34
100%		-10	5290041.29	41.29
100%		0	5290034.18	34.18
100%		+10	5290029.98	29.98
100%		+30	5290026.57	26.57
100%		+40	5290049.37	49.37
100%		+50	5290053.10	53.10
115%	55.20	+20	5290041.84	41.84
Batt. Endpoint	40.80	+20	5290038.55	38.55

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5530020.41	20.41
100%		-30	5530057.45	57.45
100%		-20	5530037.16	37.16
100%		-10	5530041.80	41.8
100%		0	5530033.80	33.8
100%		+10	5530028.97	28.97
100%		+30	5530025.70	25.7
100%		+40	5530049.44	49.44
100%		+50	5530052.88	52.88
115%	55.20	+20	5530041.64	41.64
Batt. Endpoint	40.80	+20	5530038.24	38.24

Note:

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

OPERATING BAND: UNII Band 3
OPERATING FREQUENCY: 5,775,000,000 Hz
CHANNEL: 155
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5775021.38	21.38
100%		-30	5775056.45	56.45
100%		-20	5775037.00	37
100%		-10	5775041.48	41.48
100%		0	5775032.89	32.89
100%		+10	5775028.59	28.59
100%		+30	5775025.05	25.05
100%		+40	5775048.44	48.44
100%		+50	5775052.79	52.79
115%	55.20	+20	5775040.89	40.89
Batt. Endpoint	40.80	+20	5775036.33	36.33

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.

[Ant.1]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5180018.48	18.48
100%		-30	5180056.52	56.52
100%		-20	5180036.39	36.39
100%		-10	5180041.19	41.19
100%		0	5180032.30	32.30
100%		+10	5180029.14	29.14
100%		+30	5180024.61	24.61
100%		+40	5180048.34	48.34
100%		+50	5180051.62	51.62
115%	55.20	+20	5180040.91	40.91
Batt. Endpoint	40.80	+20	5180035.64	35.64

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 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5260020.94	20.94
100%		-30	5260059.05	59.05
100%		-20	5260037.29	37.29
100%		-10	5260040.78	40.78
100%		0	5260033.56	33.56
100%		+10	5260028.63	28.63
100%		+30	5260024.84	24.84
100%		+40	5260049.91	49.91
100%		+50	5260054.96	54.96
115%	55.20	+20	5260041.27	41.27
Batt. Endpoint	40.80	+20	5260038.47	38.47

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.

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,500,000,000 Hz
CHANNEL: 100
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5500020.01	20.01
100%		-30	5500056.68	56.68
100%		-20	5500038.03	38.03
100%		-10	5500041.74	41.74
100%		0	5500033.74	33.74
100%		+10	5500030.09	30.09
100%		+30	5500026.16	26.16
100%		+40	5500048.28	48.28
100%		+50	5500053.29	53.29
115%	55.20	+20	5500040.71	40.71
Batt. Endpoint	40.80	+20	5500037.02	37.02

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: 5,745,000,000 Hz
CHANNEL: 149
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5745019.99	19.99
100%		-30	5745056.90	56.90
100%		-20	5745035.65	35.65
100%		-10	5745040.06	40.06
100%		0	5745031.55	31.55
100%		+10	5745027.66	27.66
100%		+30	5745024.17	24.17
100%		+40	5745049.19	49.19
100%		+50	5745052.58	52.58
115%	55.20	+20	5745040.90	40.90
Batt. Endpoint	40.80	+20	5745035.74	35.74

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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5190021.65	21.65
100%		-30	5190056.00	56.00
100%		-20	5190035.68	35.68
100%		-10	5190040.03	40.03
100%		0	5190032.37	32.37
100%		+10	5190029.22	29.22
100%		+30	5190025.61	25.61
100%		+40	5190048.69	48.69
100%		+50	5190051.89	51.89
115%	55.20	+20	5190041.69	41.69
Batt. Endpoint	40.80	+20	5190036.06	36.06

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5270020.37	20.37
100%		-30	5270057.34	57.34
100%		-20	5270037.26	37.26
100%		-10	5270040.40	40.4
100%		0	5270032.62	32.62
100%		+10	5270028.79	28.79
100%		+30	5270025.46	25.46
100%		+40	5270048.75	48.75
100%		+50	5270053.21	53.21
115%	55.20	+20	5270040.36	40.36
Batt. Endpoint	40.80	+20	5270036.37	36.37

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5510021.35	21.35
100%		-30	5510057.32	57.32
100%		-20	5510037.86	37.86
100%		-10	5510041.06	41.06
100%		0	5510032.84	32.84
100%		+10	5510028.85	28.85
100%		+30	5510025.40	25.4
100%		+40	5510050.05	50.05
100%		+50	5510053.41	53.41
115%	55.20	+20	5510039.98	39.98
Batt. Endpoint	40.80	+20	5510037.89	37.89

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: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5755020.09	20.09
100%		-30	5755056.58	56.58
100%		-20	5755038.05	38.05
100%		-10	5755041.76	41.76
100%		0	5755033.32	33.32
100%		+10	5755030.15	30.15
100%		+30	5755026.65	26.65
100%		+40	5755049.11	49.11
100%		+50	5755053.00	53.00
115%	55.20	+20	5755040.27	40.27
Batt. Endpoint	40.80	+20	5755037.43	37.43

Note:

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

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5210018.88	18.88
100%		-30	5210057.02	57.02
100%		-20	5210037.74	37.74
100%		-10	5210041.54	41.54
100%		0	5210034.13	34.13
100%		+10	5210030.90	30.90
100%		+30	5210026.06	26.06
100%		+40	5210049.10	49.10
100%		+50	5210052.32	52.32
115%	55.20	+20	5210041.39	41.39
Batt. Endpoint	40.80	+20	5210038.23	38.23

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 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5290020.72	20.72
100%		-30	5290058.16	58.16
100%		-20	5290037.16	37.16
100%		-10	5290040.68	40.68
100%		0	5290032.56	32.56
100%		+10	5290029.35	29.35
100%		+30	5290024.38	24.38
100%		+40	5290049.04	49.04
100%		+50	5290053.95	53.95
115%	55.20	+20	5290040.40	40.40
Batt. Endpoint	40.80	+20	5290036.60	36.6

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 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5530019.64	19.64
100%		-30	5530056.86	56.86
100%		-20	5530036.32	36.32
100%		-10	5530039.93	39.93
100%		0	5530032.46	32.46
100%		+10	5530029.07	29.07
100%		+30	5530024.20	24.2
100%		+40	5530049.05	49.05
100%		+50	5530053.06	53.06
115%	55.20	+20	5530041.14	41.14
Batt. Endpoint	40.80	+20	5530036.51	36.51

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 3
OPERATING FREQUENCY: 5,775,000,000 Hz
CHANNEL: 155
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5775021.35	21.35
100%		-30	5775058.55	58.55
100%		-20	5775035.48	35.48
100%		-10	5775040.46	40.46
100%		0	5775030.80	30.8
100%		+10	5775027.27	27.27
100%		+30	5775023.07	23.07
100%		+40	5775049.52	49.52
100%		+50	5775054.06	54.06
115%	55.20	+20	5775040.32	40.32
Batt. Endpoint	40.80	+20	5775035.32	35.32

Note:

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

[Ant.2]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5180021.35	21.35
100%		-30	5180056.38	56.38
100%		-20	5180037.17	37.17
100%		-10	5180041.15	41.15
100%		0	5180033.15	33.15
100%		+10	5180029.65	29.65
100%		+30	5180024.63	24.63
100%		+40	5180049.33	49.33
100%		+50	5180052.67	52.67
115%	55.20	+20	5180040.98	40.98
Batt. Endpoint	40.80	+20	5180037.48	37.48

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 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5260019.15	19.15
100%		-30	5260058.06	58.06
100%		-20	5260036.99	36.99
100%		-10	5260041.30	41.3
100%		0	5260033.50	33.5
100%		+10	5260028.99	28.99
100%		+30	5260025.80	25.8
100%		+40	5260049.88	49.88
100%		+50	5260053.19	53.19
115%	55.20	+20	5260041.51	41.51
Batt. Endpoint	40.80	+20	5260038.38	38.38

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: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5500021.17	21.17
100%		-30	5500057.55	57.55
100%		-20	5500037.66	37.66
100%		-10	5500041.59	41.59
100%		0	5500033.29	33.29
100%		+10	5500029.49	29.49
100%		+30	5500024.98	24.98
100%		+40	5500049.58	49.58
100%		+50	5500052.80	52.80
115%	55.20	+20	5500040.63	40.63
Batt. Endpoint	40.80	+20	5500037.87	37.87

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 3
OPERATING FREQUENCY: 5,745,000,000 Hz
CHANNEL: 149
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5745020.36	20.36
100%		-30	5745057.38	57.38
100%		-20	5745037.24	37.24
100%		-10	5745041.00	41
100%		0	5745034.03	34.03
100%		+10	5745029.34	29.34
100%		+30	5745024.38	24.38
100%		+40	5745049.42	49.42
100%		+50	5745054.18	54.18
115%	55.20	+20	5745041.79	41.79
Batt. Endpoint	40.80	+20	5745038.45	38.45

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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5190021.38	21.38
100%		-30	5190057.02	57.02
100%		-20	5190037.13	37.13
100%		-10	5190041.20	41.20
100%		0	5190032.81	32.81
100%		+10	5190029.29	29.29
100%		+30	5190025.22	25.22
100%		+40	5190049.39	49.39
100%		+50	5190053.18	53.18
115%	55.20	+20	5190040.68	40.68
Batt. Endpoint	40.80	+20	5190037.20	37.20

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5270020.09	20.09
100%		-30	5270057.62	57.62
100%		-20	5270037.04	37.04
100%		-10	5270040.55	40.55
100%		0	5270033.43	33.43
100%		+10	5270028.48	28.48
100%		+30	5270023.60	23.6
100%		+40	5270049.17	49.17
100%		+50	5270054.26	54.26
115%	55.20	+20	5270041.39	41.39
Batt. Endpoint	40.80	+20	5270037.60	37.6

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 2C
OPERATING FREQUENCY: 5,510,000,000 Hz
CHANNEL: 102
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5510018.75	18.75
100%		-30	5510057.71	57.71
100%		-20	5510037.29	37.29
100%		-10	5510041.07	41.07
100%		0	5510032.29	32.29
100%		+10	5510027.78	27.78
100%		+30	5510023.12	23.12
100%		+40	5510048.93	48.93
100%		+50	5510053.85	53.85
115%	55.20	+20	5510040.00	40.00
Batt. Endpoint	40.80	+20	5510036.22	36.22

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5755020.00	20.00
100%		-30	5755055.97	55.97
100%		-20	5755036.09	36.09
100%		-10	5755040.76	40.76
100%		0	5755031.09	31.09
100%		+10	5755026.18	26.18
100%		+30	5755022.71	22.71
100%		+40	5755049.25	49.25
100%		+50	5755052.49	52.49
115%	55.20	+20	5755040.00	40.00
Batt. Endpoint	40.80	+20	5755035.34	35.34

Note:

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

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5210023.80	23.80
100%		-30	5210057.40	57.40
100%		-20	5210035.35	35.35
100%		-10	5210040.43	40.43
100%		0	5210032.03	32.03
100%		+10	5210028.46	28.46
100%		+30	5210024.90	24.90
100%		+40	5210049.11	49.11
100%		+50	5210053.64	53.64
115%	55.20	+20	5210041.68	41.68
Batt. Endpoint	40.80	+20	5210036.14	36.14

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 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5290022.96	22.96
100%		-30	5290057.39	57.39
100%		-20	5290037.63	37.63
100%		-10	5290041.80	41.8
100%		0	5290033.79	33.79
100%		+10	5290029.55	29.55
100%		+30	5290026.37	26.37
100%		+40	5290049.29	49.29
100%		+50	5290053.22	53.22
115%	55.20	+20	5290041.16	41.16
Batt. Endpoint	40.80	+20	5290038.08	38.08

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.

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,530,000,000 Hz
CHANNEL: 106
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5530020.37	20.37
100%		-30	5530057.61	57.61
100%		-20	5530036.67	36.67
100%		-10	5530041.62	41.62
100%		0	5530031.89	31.89
100%		+10	5530028.12	28.12
100%		+30	5530024.45	24.45
100%		+40	5530048.68	48.68
100%		+50	5530053.58	53.58
115%	55.20	+20	5530040.22	40.22
Batt. Endpoint	40.80	+20	5530035.57	35.57

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 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5775021.15	21.15
100%		-30	5775056.68	56.68
100%		-20	5775036.67	36.67
100%		-10	5775040.65	40.65
100%		0	5775033.02	33.02
100%		+10	5775029.58	29.58
100%		+30	5775024.73	24.73
100%		+40	5775050.02	50.02
100%		+50	5775053.56	53.56
115%	55.20	+20	5775041.35	41.35
Batt. Endpoint	40.80	+20	5775038.04	38.04

Note:

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

[Ant.3]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5180019.63	19.63
100%		-30	5180059.41	59.41
100%		-20	5180037.79	37.79
100%		-10	5180041.03	41.03
100%		0	5180032.79	32.79
100%		+10	5180029.30	29.30
100%		+30	5180025.77	25.77
100%		+40	5180049.91	49.91
100%		+50	5180054.83	54.83
115%	55.20	+20	5180040.00	40.00
Batt. Endpoint	40.80	+20	5180037.70	37.70

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5260020.15	20.15
100%		-30	5260055.60	55.60
100%		-20	5260036.80	36.8
100%		-10	5260039.93	39.93
100%		0	5260033.55	33.55
100%		+10	5260029.26	29.26
100%		+30	5260025.80	25.8
100%		+40	5260048.12	48.12
100%		+50	5260051.69	51.69
115%	55.20	+20	5260041.75	41.75
Batt. Endpoint	40.80	+20	5260036.67	36.67

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 2C
OPERATING FREQUENCY: 5,500,000,000 Hz
CHANNEL: 100
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5500021.54	21.54
100%		-30	5500056.46	56.46
100%		-20	5500037.63	37.63
100%		-10	5500040.75	40.75
100%		0	5500032.72	32.72
100%		+10	5500028.30	28.3
100%		+30	5500024.77	24.77
100%		+40	5500048.61	48.61
100%		+50	5500052.55	52.55
115%	55.20	+20	5500040.09	40.09
Batt. Endpoint	40.80	+20	5500036.33	36.33

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 3
OPERATING FREQUENCY: 5,745,000,000 Hz
CHANNEL: 149
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5745019.44	19.44
100%		-30	5745055.89	55.89
100%		-20	5745037.32	37.32
100%		-10	5745041.40	41.4
100%		0	5745033.15	33.15
100%		+10	5745029.99	29.99
100%		+30	5745026.58	26.58
100%		+40	5745048.34	48.34
100%		+50	5745052.40	52.40
115%	55.20	+20	5745040.83	40.83
Batt. Endpoint	40.80	+20	5745036.49	36.49

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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5190020.37	20.37
100%		-30	5190057.37	57.37
100%		-20	5190036.28	36.28
100%		-10	5190041.27	41.27
100%		0	5190031.51	31.51
100%		+10	5190026.60	26.60
100%		+30	5190022.36	22.36
100%		+40	5190048.20	48.20
100%		+50	5190052.96	52.96
115%	55.20	+20	5190040.23	40.23
Batt. Endpoint	40.80	+20	5190034.71	34.71

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: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5270021.35	21.35
100%		-30	5270057.11	57.11
100%		-20	5270035.89	35.89
100%		-10	5270040.65	40.65
100%		0	5270031.36	31.36
100%		+10	5270028.02	28.02
100%		+30	5270023.50	23.5
100%		+40	5270049.02	49.02
100%		+50	5270053.74	53.74
115%	55.20	+20	5270040.47	40.47
Batt. Endpoint	40.80	+20	5270035.38	35.38

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: 5,510,000,000 Hz
CHANNEL: 102
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5510020.05	20.05
100%		-30	5510057.04	57.04
100%		-20	5510037.32	37.32
100%		-10	5510041.47	41.47
100%		0	5510034.21	34.21
100%		+10	5510030.02	30.02
100%		+30	5510026.59	26.59
100%		+40	5510048.60	48.6
100%		+50	5510052.08	52.08
115%	55.20	+20	5510041.89	41.89
Batt. Endpoint	40.80	+20	5510037.81	37.81

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.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5755018.85	18.85
100%		-30	5755056.54	56.54
100%		-20	5755036.39	36.39
100%		-10	5755041.07	41.07
100%		0	5755033.20	33.2
100%		+10	5755030.07	30.07
100%		+30	5755026.40	26.4
100%		+40	5755048.47	48.47
100%		+50	5755052.52	52.52
115%	55.20	+20	5755041.81	41.81
Batt. Endpoint	40.80	+20	5755036.67	36.67

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.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5210019.95	19.95
100%		-30	5210059.34	59.34
100%		-20	5210035.80	35.80
100%		-10	5210040.70	40.70
100%		0	5210031.57	31.57
100%		+10	5210027.23	27.23
100%		+30	5210023.15	23.15
100%		+40	5210049.86	49.86
100%		+50	5210054.51	54.51
115%	55.20	+20	5210040.77	40.77
Batt. Endpoint	40.80	+20	5210036.43	36.43

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5290020.17	20.17
100%		-30	5290055.40	55.40
100%		-20	5290036.10	36.1
100%		-10	5290039.93	39.93
100%		0	5290031.98	31.98
100%		+10	5290028.74	28.74
100%		+30	5290025.60	25.6
100%		+40	5290048.44	48.44
100%		+50	5290051.83	51.83
115%	55.20	+20	5290040.88	40.88
Batt. Endpoint	40.80	+20	5290035.42	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 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5530019.96	19.96
100%		-30	5530057.18	57.18
100%		-20	5530036.71	36.71
100%		-10	5530041.15	41.15
100%		0	5530031.71	31.71
100%		+10	5530026.94	26.94
100%		+30	5530023.70	23.7
100%		+40	5530049.55	49.55
100%		+50	5530053.14	53.14
115%	55.20	+20	5530040.00	40.00
Batt. Endpoint	40.80	+20	5530036.26	36.26

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5775020.35	20.35
100%		-30	5775057.44	57.44
100%		-20	5775034.93	34.93
100%		-10	5775039.99	39.99
100%		0	5775030.71	30.71
100%		+10	5775026.91	26.91
100%		+30	5775023.31	23.31
100%		+40	5775049.07	49.07
100%		+50	5775053.79	53.79
115%	55.20	+20	5775040.78	40.78
Batt. Endpoint	40.80	+20	5775034.78	34.78

Note:

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

[Ant.0, 2]

160 MHz BW

OPERATING FREQUENCY: 5,250,000,000 Hz

CHANNEL: 50

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5250023.17	23.17
100%		-30	5250055.84	55.84
100%		-20	5250036.23	36.23
100%		-10	5250041.10	41.10
100%		0	5250032.53	32.53
100%		+10	5250028.49	28.49
100%		+30	5250023.99	23.99
100%		+40	5250048.33	48.33
100%		+50	5250052.70	52.70
115%	55.20	+20	5250041.30	41.30
Batt. Endpoint	40.80	+20	5250035.86	35.86

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 FREQUENCY: 5,570,000,000 Hz

CHANNEL: 114

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5570021.96	21.96
100%		-30	5570056.55	56.55
100%		-20	5570036.16	36.16
100%		-10	5570040.05	40.05
100%		0	5570031.27	31.27
100%		+10	5570028.07	28.07
100%		+30	5570024.64	24.64
100%		+40	5570048.48	48.48
100%		+50	5570053.23	53.23
115%	55.20	+20	5570040.11	40.11
Batt. Endpoint	40.80	+20	5570034.75	34.75

Note:

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

[Ant.1, 3]

160 MHz BW

OPERATING FREQUENCY: 5,250,000,000 Hz

CHANNEL: 50

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5250019.96	19.96
100%		-30	5250057.39	57.39
100%		-20	5250036.28	36.28
100%		-10	5250040.02	40.02
100%		0	5250031.72	31.72
100%		+10	5250027.86	27.86
100%		+30	5250023.94	23.94
100%		+40	5250049.78	49.78
100%		+50	5250053.22	53.22
115%	55.20	+20	5250040.44	40.44
Batt. Endpoint	40.80	+20	5250036.50	36.50

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 FREQUENCY: 5,570,000,000 Hz

CHANNEL: 114

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5570020.37	20.37
100%		-30	5570057.42	57.42
100%		-20	5570037.01	37.01
100%		-10	5570041.70	41.7
100%		0	5570032.27	32.27
100%		+10	5570028.90	28.9
100%		+30	5570024.42	24.42
100%		+40	5570048.25	48.25
100%		+50	5570053.32	53.32
115%	55.20	+20	5570040.26	40.26
Batt. Endpoint	40.80	+20	5570035.52	35.52

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.

[Directional]

[Ant.0]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5180020.09	20.09
100%		-30	5180057.95	57.95
100%		-20	5180036.58	36.58
100%		-10	5180040.51	40.51
100%		0	5180032.85	32.85
100%		+10	5180028.96	28.96
100%		+30	5180025.65	25.65
100%		+40	5180050.07	50.07
100%		+50	5180053.60	53.60
115%	55.20	+20	5180041.27	41.27
Batt. Endpoint	40.80	+20	5180037.92	37.92

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5260018.95	18.95
100%		-30	5260056.36	56.36
100%		-20	5260035.94	35.94
100%		-10	5260040.07	40.07
100%		0	5260030.91	30.91
100%		+10	5260027.54	27.54
100%		+30	5260023.22	23.22
100%		+40	5260048.33	48.33
100%		+50	5260051.56	51.56
115%	55.20	+20	5260039.97	39.97
Batt. Endpoint	40.80	+20	5260034.24	34.24

Note:

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

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,500,000,000 Hz
CHANNEL: 100
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5500021.65	21.65
100%		-30	5500055.90	55.90
100%		-20	5500036.08	36.08
100%		-10	5500039.97	39.97
100%		0	5500032.76	32.76
100%		+10	5500028.46	28.46
100%		+30	5500024.25	24.25
100%		+40	5500048.35	48.35
100%		+50	5500052.05	52.05
115%	55.20	+20	5500041.68	41.68
Batt. Endpoint	40.80	+20	5500036.11	36.11

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5745020.05	20.05
100%		-30	5745057.78	57.78
100%		-20	5745037.75	37.75
100%		-10	5745041.61	41.61
100%		0	5745033.63	33.63
100%		+10	5745029.97	29.97
100%		+30	5745025.73	25.73
100%		+40	5745048.57	48.57
100%		+50	5745053.25	53.25
115%	55.20	+20	5745040.88	40.88
Batt. Endpoint	40.80	+20	5745037.20	37.2

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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5190021.07	21.07
100%		-30	5190058.20	58.20
100%		-20	5190037.15	37.15
100%		-10	5190041.29	41.29
100%		0	5190032.59	32.59
100%		+10	5190027.67	27.67
100%		+30	5190022.68	22.68
100%		+40	5190049.48	49.48
100%		+50	5190053.11	53.11
115%	55.20	+20	5190040.44	40.44
Batt. Endpoint	40.80	+20	5190037.07	37.07

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5270022.63	22.63
100%		-30	5270055.09	55.09
100%		-20	5270037.10	37.1
100%		-10	5270041.52	41.52
100%		0	5270032.49	32.49
100%		+10	5270027.75	27.75
100%		+30	5270023.59	23.59
100%		+40	5270048.51	48.51
100%		+50	5270051.73	51.73
115%	55.20	+20	5270040.39	40.39
Batt. Endpoint	40.80	+20	5270036.00	36

Note:

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

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,510,000,000 Hz
CHANNEL: 102
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5510019.87	19.87
100%		-30	5510056.66	56.66
100%		-20	5510038.01	38.01
100%		-10	5510041.20	41.2
100%		0	5510033.25	33.25
100%		+10	5510029.10	29.1
100%		+30	5510024.17	24.17
100%		+40	5510048.35	48.35
100%		+50	5510052.93	52.93
115%	55.20	+20	5510040.24	40.24
Batt. Endpoint	40.80	+20	5510036.60	36.6

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: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5755020.07	20.07
100%		-30	5755056.90	56.90
100%		-20	5755036.92	36.92
100%		-10	5755041.05	41.05
100%		0	5755033.26	33.26
100%		+10	5755028.64	28.64
100%		+30	5755025.37	25.37
100%		+40	5755048.88	48.88
100%		+50	5755052.19	52.19
115%	55.20	+20	5755041.34	41.34
Batt. Endpoint	40.80	+20	5755037.14	37.14

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.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5210021.57	21.57
100%		-30	5210056.39	56.39
100%		-20	5210037.54	37.54
100%		-10	5210041.12	41.12
100%		0	5210032.79	32.79
100%		+10	5210028.13	28.13
100%		+30	5210023.29	23.29
100%		+40	5210048.62	48.62
100%		+50	5210052.30	52.30
115%	55.20	+20	5210040.25	40.25
Batt. Endpoint	40.80	+20	5210036.41	36.41

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 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5290022.36	22.36
100%		-30	5290057.42	57.42
100%		-20	5290038.27	38.27
100%		-10	5290041.45	41.45
100%		0	5290034.45	34.45
100%		+10	5290029.37	29.37
100%		+30	5290025.27	25.27
100%		+40	5290048.38	48.38
100%		+50	5290052.45	52.45
115%	55.20	+20	5290041.18	41.18
Batt. Endpoint	40.80	+20	5290037.83	37.83

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: 5,530,000,000 Hz
CHANNEL: 106
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5530020.94	20.94
100%		-30	5530058.46	58.46
100%		-20	5530035.89	35.89
100%		-10	5530040.85	40.85
100%		0	5530031.94	31.94
100%		+10	5530027.43	27.43
100%		+30	5530023.61	23.61
100%		+40	5530049.88	49.88
100%		+50	5530054.73	54.73
115%	55.20	+20	5530041.05	41.05
Batt. Endpoint	40.80	+20	5530036.82	36.82

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5775018.85	18.85
100%		-30	5775056.53	56.53
100%		-20	5775035.89	35.89
100%		-10	5775040.89	40.89
100%		0	5775031.47	31.47
100%		+10	5775027.24	27.24
100%		+30	5775023.61	23.61
100%		+40	5775048.75	48.75
100%		+50	5775052.96	52.96
115%	55.20	+20	5775040.58	40.58
Batt. Endpoint	40.80	+20	5775035.22	35.22

Note:

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

[Ant.1]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5180021.36	21.36
100%		-30	5180055.70	55.70
100%		-20	5180035.87	35.87
100%		-10	5180040.12	40.12
100%		0	5180030.99	30.99
100%		+10	5180026.93	26.93
100%		+30	5180023.37	23.37
100%		+40	5180048.14	48.14
100%		+50	5180052.32	52.32
115%	55.20	+20	5180040.12	40.12
Batt. Endpoint	40.80	+20	5180034.13	34.13

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5260019.63	19.63
100%		-30	5260057.84	57.84
100%		-20	5260036.10	36.1
100%		-10	5260039.90	39.9
100%		0	5260031.73	31.73
100%		+10	5260028.19	28.19
100%		+30	5260023.13	23.13
100%		+40	5260049.17	49.17
100%		+50	5260054.03	54.03
115%	55.20	+20	5260040.63	40.63
Batt. Endpoint	40.80	+20	5260035.90	35.9

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: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5500020.71	20.71
100%		-30	5500056.22	56.22
100%		-20	5500038.28	38.28
100%		-10	5500041.46	41.46
100%		0	5500034.94	34.94
100%		+10	5500030.50	30.5
100%		+30	5500026.52	26.52
100%		+40	5500048.33	48.33
100%		+50	5500051.44	51.44
115%	55.20	+20	5500041.66	41.66
Batt. Endpoint	40.80	+20	5500038.27	38.27

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 3
OPERATING FREQUENCY: 5,745,000,000 Hz
CHANNEL: 149
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5745021.30	21.30
100%		-30	5745058.46	58.46
100%		-20	5745036.08	36.08
100%		-10	5745041.15	41.15
100%		0	5745031.86	31.86
100%		+10	5745026.77	26.77
100%		+30	5745022.43	22.43
100%		+40	5745049.96	49.96
100%		+50	5745054.19	54.19
115%	55.20	+20	5745040.78	40.78
Batt. Endpoint	40.80	+20	5745036.82	36.82

Note:

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

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5190021.37	21.37
100%		-30	5190057.01	57.01
100%		-20	5190036.58	36.58
100%		-10	5190039.98	39.98
100%		0	5190031.74	31.74
100%		+10	5190028.24	28.24
100%		+30	5190023.39	23.39
100%		+40	5190049.49	49.49
100%		+50	5190053.70	53.70
115%	55.20	+20	5190040.16	40.16
Batt. Endpoint	40.80	+20	5190036.23	36.23

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 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5270020.93	20.93
100%		-30	5270056.67	56.67
100%		-20	5270036.98	36.98
100%		-10	5270040.66	40.66
100%		0	5270033.50	33.5
100%		+10	5270028.47	28.47
100%		+30	5270025.36	25.36
100%		+40	5270048.49	48.49
100%		+50	5270053.03	53.03
115%	55.20	+20	5270041.52	41.52
Batt. Endpoint	40.80	+20	5270036.99	36.99

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: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5510019.15	19.15
100%		-30	5510055.64	55.64
100%		-20	5510036.51	36.51
100%		-10	5510041.02	41.02
100%		0	5510031.82	31.82
100%		+10	5510026.93	26.93
100%		+30	5510023.15	23.15
100%		+40	5510048.32	48.32
100%		+50	5510051.74	51.74
115%	55.20	+20	5510040.31	40.31
Batt. Endpoint	40.80	+20	5510035.14	35.14

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 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5755021.08	21.08
100%		-30	5755056.47	56.47
100%		-20	5755038.31	38.31
100%		-10	5755041.63	41.63
100%		0	5755034.78	34.78
100%		+10	5755030.32	30.32
100%		+30	5755025.87	25.87
100%		+40	5755049.06	49.06
100%		+50	5755052.42	52.42
115%	55.20	+20	5755041.47	41.47
Batt. Endpoint	40.80	+20	5755038.84	38.84

Note:

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

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5210021.59	21.59
100%		-30	5210057.86	57.86
100%		-20	5210035.40	35.40
100%		-10	5210040.14	40.14
100%		0	5210030.33	30.33
100%		+10	5210026.93	26.93
100%		+30	5210022.11	22.11
100%		+40	5210048.87	48.87
100%		+50	5210053.95	53.95
115%	55.20	+20	5210039.93	39.93
Batt. Endpoint	40.80	+20	5210034.20	34.20

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5290019.23	19.23
100%		-30	5290058.40	58.40
100%		-20	5290038.08	38.08
100%		-10	5290041.19	41.19
100%		0	5290034.32	34.32
100%		+10	5290029.27	29.27
100%		+30	5290026.08	26.08
100%		+40	5290049.28	49.28
100%		+50	5290054.10	54.10
115%	55.20	+20	5290041.24	41.24
Batt. Endpoint	40.80	+20	5290038.60	38.6

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 2C
OPERATING FREQUENCY: 5,530,000,000 Hz
CHANNEL: 106
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5530020.70	20.70
100%		-30	5530056.12	56.12
100%		-20	5530035.93	35.93
100%		-10	5530040.14	40.14
100%		0	5530031.84	31.84
100%		+10	5530028.30	28.3
100%		+30	5530024.76	24.76
100%		+40	5530049.11	49.11
100%		+50	5530052.54	52.54
115%	55.20	+20	5530040.91	40.91
Batt. Endpoint	40.80	+20	5530035.95	35.95

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: 5,775,000,000 Hz
CHANNEL: 155
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5775018.64	18.64
100%		-30	5775057.64	57.64
100%		-20	5775037.44	37.44
100%		-10	5775040.78	40.78
100%		0	5775034.28	34.28
100%		+10	5775029.18	29.18
100%		+30	5775024.27	24.27
100%		+40	5775049.65	49.65
100%		+50	5775053.11	53.11
115%	55.20	+20	5775041.84	41.84
Batt. Endpoint	40.80	+20	5775038.93	38.93

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.

[Ant.2]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5180023.54	23.54
100%		-30	5180056.80	56.80
100%		-20	5180036.80	36.80
100%		-10	5180041.29	41.29
100%		0	5180031.85	31.85
100%		+10	5180026.80	26.80
100%		+30	5180021.96	21.96
100%		+40	5180049.59	49.59
100%		+50	5180053.23	53.23
115%	55.20	+20	5180040.05	40.05
Batt. Endpoint	40.80	+20	5180036.44	36.44

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: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5260020.37	20.37
100%		-30	5260057.28	57.28
100%		-20	5260035.67	35.67
100%		-10	5260040.20	40.2
100%		0	5260031.48	31.48
100%		+10	5260027.24	27.24
100%		+30	5260022.20	22.2
100%		+40	5260048.68	48.68
100%		+50	5260053.76	53.76
115%	55.20	+20	5260040.81	40.81
Batt. Endpoint	40.80	+20	5260035.16	35.16

Note:

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

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,500,000,000 Hz
CHANNEL: 100
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5500021.65	21.65
100%		-30	5500059.32	59.32
100%		-20	5500038.00	38
100%		-10	5500041.82	41.82
100%		0	5500033.31	33.31
100%		+10	5500029.71	29.71
100%		+30	5500025.56	25.56
100%		+40	5500050.04	50.04
100%		+50	5500054.48	54.48
115%	55.20	+20	5500040.31	40.31
Batt. Endpoint	40.80	+20	5500038.35	38.35

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5745019.48	19.48
100%		-30	5745058.59	58.59
100%		-20	5745035.22	35.22
100%		-10	5745039.95	39.95
100%		0	5745031.93	31.93
100%		+10	5745028.25	28.25
100%		+30	5745024.78	24.78
100%		+40	5745049.94	49.94
100%		+50	5745054.98	54.98
115%	55.20	+20	5745041.71	41.71
Batt. Endpoint	40.80	+20	5745036.87	36.87

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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5190020.84	20.84
100%		-30	5190056.85	56.85
100%		-20	5190037.39	37.39
100%		-10	5190041.27	41.27
100%		0	5190033.92	33.92
100%		+10	5190030.25	30.25
100%		+30	5190025.38	25.38
100%		+40	5190049.19	49.19
100%		+50	5190053.44	53.44
115%	55.20	+20	5190041.53	41.53
Batt. Endpoint	40.80	+20	5190038.11	38.11

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5270021.80	21.80
100%		-30	5270058.18	58.18
100%		-20	5270035.35	35.35
100%		-10	5270040.00	40
100%		0	5270030.65	30.65
100%		+10	5270026.05	26.05
100%		+30	5270022.46	22.46
100%		+40	5270049.15	49.15
100%		+50	5270053.71	53.71
115%	55.20	+20	5270040.30	40.30
Batt. Endpoint	40.80	+20	5270034.80	34.8

Note:

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

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,510,000,000 Hz
CHANNEL: 102
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5510018.85	18.85
100%		-30	5510057.54	57.54
100%		-20	5510035.73	35.73
100%		-10	5510039.90	39.9
100%		0	5510030.81	30.81
100%		+10	5510027.55	27.55
100%		+30	5510024.26	24.26
100%		+40	5510049.16	49.16
100%		+50	5510053.70	53.70
115%	55.20	+20	5510040.08	40.08
Batt. Endpoint	40.80	+20	5510034.97	34.97

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: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5755020.17	20.17
100%		-30	5755057.98	57.98
100%		-20	5755035.89	35.89
100%		-10	5755040.20	40.2
100%		0	5755032.78	32.78
100%		+10	5755028.14	28.14
100%		+30	5755023.40	23.4
100%		+40	5755049.55	49.55
100%		+50	5755052.91	52.91
115%	55.20	+20	5755041.89	41.89
Batt. Endpoint	40.80	+20	5755037.33	37.33

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.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5210019.38	19.38
100%		-30	5210056.99	56.99
100%		-20	5210037.29	37.29
100%		-10	5210041.26	41.26
100%		0	5210033.51	33.51
100%		+10	5210030.19	30.19
100%		+30	5210026.18	26.18
100%		+40	5210048.39	48.39
100%		+50	5210053.29	53.29
115%	55.20	+20	5210041.22	41.22
Batt. Endpoint	40.80	+20	5210036.90	36.90

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5290020.09	20.09
100%		-30	5290056.66	56.66
100%		-20	5290038.60	38.6
100%		-10	5290041.83	41.83
100%		0	5290035.32	35.32
100%		+10	5290031.16	31.16
100%		+30	5290027.82	27.82
100%		+40	5290048.73	48.73
100%		+50	5290052.31	52.31
115%	55.20	+20	5290041.72	41.72
Batt. Endpoint	40.80	+20	5290039.05	39.05

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 2C
OPERATING FREQUENCY: 5,530,000,000 Hz
CHANNEL: 106
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5530021.37	21.37
100%		-30	5530057.64	57.64
100%		-20	5530036.20	36.2
100%		-10	5530040.63	40.63
100%		0	5530032.04	32.04
100%		+10	5530028.33	28.33
100%		+30	5530023.91	23.91
100%		+40	5530048.44	48.44
100%		+50	5530052.75	52.75
115%	55.20	+20	5530040.84	40.84
Batt. Endpoint	40.80	+20	5530035.48	35.48

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 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5775018.17	18.17
100%		-30	5775057.81	57.81
100%		-20	5775037.86	37.86
100%		-10	5775041.23	41.23
100%		0	5775033.86	33.86
100%		+10	5775029.64	29.64
100%		+30	5775026.17	26.17
100%		+40	5775049.08	49.08
100%		+50	5775052.83	52.83
115%	55.20	+20	5775041.00	41.00
Batt. Endpoint	40.80	+20	5775037.94	37.94

Note:

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

[Ant.3]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5180020.18	20.18
100%		-30	5180057.24	57.24
100%		-20	5180036.33	36.33
100%		-10	5180039.98	39.98
100%		0	5180032.91	32.91
100%		+10	5180028.87	28.87
100%		+30	5180024.24	24.24
100%		+40	5180049.63	49.63
100%		+50	5180053.59	53.59
115%	55.20	+20	5180041.58	41.58
Batt. Endpoint	40.80	+20	5180037.54	37.54

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 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5260021.09	21.09
100%		-30	5260057.27	57.27
100%		-20	5260036.96	36.96
100%		-10	5260040.49	40.49
100%		0	5260033.69	33.69
100%		+10	5260030.21	30.21
100%		+30	5260025.87	25.87
100%		+40	5260048.43	48.43
100%		+50	5260053.17	53.17
115%	55.20	+20	5260041.73	41.73
Batt. Endpoint	40.80	+20	5260037.12	37.12

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 2C

OPERATING FREQUENCY: 5,500,000,000 Hz

CHANNEL: 100

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5500018.95	18.95
100%		-30	5500055.52	55.52
100%		-20	5500037.97	37.97
100%		-10	5500041.14	41.14
100%		0	5500034.68	34.68
100%		+10	5500030.43	30.43
100%		+30	5500026.28	26.28
100%		+40	5500048.26	48.26
100%		+50	5500051.69	51.69
115%	55.20	+20	5500041.71	41.71
Batt. Endpoint	40.80	+20	5500037.94	37.94

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5745022.65	22.65
100%		-30	5745057.35	57.35
100%		-20	5745038.41	38.41
100%		-10	5745041.71	41.71
100%		0	5745033.74	33.74
100%		+10	5745030.36	30.36
100%		+30	5745025.37	25.37
100%		+40	5745048.98	48.98
100%		+50	5745053.47	53.47
115%	55.20	+20	5745040.33	40.33
Batt. Endpoint	40.80	+20	5745037.72	37.72

Note:

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

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5190021.84	21.84
100%		-30	5190057.02	57.02
100%		-20	5190036.60	36.60
100%		-10	5190040.47	40.47
100%		0	5190031.74	31.74
100%		+10	5190027.85	27.85
100%		+30	5190023.42	23.42
100%		+40	5190048.56	48.56
100%		+50	5190052.05	52.05
115%	55.20	+20	5190040.14	40.14
Batt. Endpoint	40.80	+20	5190035.30	35.30

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: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5270019.47	19.47
100%		-30	5270056.83	56.83
100%		-20	5270035.52	35.52
100%		-10	5270040.07	40.07
100%		0	5270030.62	30.62
100%		+10	5270026.79	26.79
100%		+30	5270022.86	22.86
100%		+40	5270049.97	49.97
100%		+50	5270053.56	53.56
115%	55.20	+20	5270040.10	40.10
Batt. Endpoint	40.80	+20	5270035.59	35.59

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 2C

OPERATING FREQUENCY: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5510020.05	20.05
100%		-30	5510055.80	55.80
100%		-20	5510035.20	35.2
100%		-10	5510040.12	40.12
100%		0	5510031.82	31.82
100%		+10	5510028.17	28.17
100%		+30	5510024.90	24.9
100%		+40	5510048.34	48.34
100%		+50	5510052.42	52.42
115%	55.20	+20	5510041.62	41.62
Batt. Endpoint	40.80	+20	5510035.16	35.16

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5755018.35	18.35
100%		-30	5755057.15	57.15
100%		-20	5755036.55	36.55
100%		-10	5755041.37	41.37
100%		0	5755033.25	33.25
100%		+10	5755028.33	28.33
100%		+30	5755025.13	25.13
100%		+40	5755049.01	49.01
100%		+50	5755052.20	52.20
115%	55.20	+20	5755041.70	41.70
Batt. Endpoint	40.80	+20	5755037.26	37.26

Note:

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

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5210020.01	20.01
100%		-30	5210055.71	55.71
100%		-20	5210036.77	36.77
100%		-10	5210040.18	40.18
100%		0	5210033.65	33.65
100%		+10	5210030.39	30.39
100%		+30	5210027.24	27.24
100%		+40	5210048.61	48.61
100%		+50	5210052.30	52.30
115%	55.20	+20	5210041.88	41.88
Batt. Endpoint	40.80	+20	5210037.26	37.26

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5290019.47	19.47
100%		-30	5290057.41	57.41
100%		-20	5290037.03	37.03
100%		-10	5290041.76	41.76
100%		0	5290032.10	32.1
100%		+10	5290028.67	28.67
100%		+30	5290024.31	24.31
100%		+40	5290049.51	49.51
100%		+50	5290053.59	53.59
115%	55.20	+20	5290040.07	40.07
Batt. Endpoint	40.80	+20	5290036.61	36.61

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 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5530021.09	21.09
100%		-30	5530058.79	58.79
100%		-20	5530036.52	36.52
100%		-10	5530041.13	41.13
100%		0	5530032.31	32.31
100%		+10	5530027.54	27.54
100%		+30	5530023.69	23.69
100%		+40	5530050.02	50.02
100%		+50	5530053.71	53.71
115%	55.20	+20	5530040.79	40.79
Batt. Endpoint	40.80	+20	5530037.33	37.33

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 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5775019.37	19.37
100%		-30	5775057.38	57.38
100%		-20	5775036.40	36.4
100%		-10	5775041.37	41.37
100%		0	5775032.26	32.26
100%		+10	5775028.80	28.8
100%		+30	5775023.80	23.8
100%		+40	5775048.75	48.75
100%		+50	5775052.92	52.92
115%	55.20	+20	5775040.86	40.86
Batt. Endpoint	40.80	+20	5775036.01	36.01

Note:

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

[Ant.0, 2]

160 MHz BW

OPERATING FREQUENCY: 5,250,000,000 Hz

CHANNEL: 50

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5250021.48	21.48
100%		-30	5250058.34	58.34
100%		-20	5250035.52	35.52
100%		-10	5250040.46	40.46
100%		0	5250031.47	31.47
100%		+10	5250027.77	27.77
100%		+30	5250023.66	23.66
100%		+40	5250049.34	49.34
100%		+50	5250053.28	53.28
115%	55.20	+20	5250040.95	40.95
Batt. Endpoint	40.80	+20	5250035.81	35.81

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.

OPERATING FREQUENCY: 5,570,000,000 Hz

CHANNEL: 114

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5570019.98	19.98
100%		-30	5570059.58	59.58
100%		-20	5570035.45	35.45
100%		-10	5570040.03	40.03
100%		0	5570031.35	31.35
100%		+10	5570026.77	26.77
100%		+30	5570022.94	22.94
100%		+40	5570049.73	49.73
100%		+50	5570054.63	54.63
115%	55.20	+20	5570040.90	40.90
Batt. Endpoint	40.80	+20	5570036.08	36.08

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.

[Ant.1, 3]

160 MHz BW

OPERATING FREQUENCY: 5,250,000,000 Hz

CHANNEL: 50

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5250020.35	20.35
100%		-30	5250057.66	57.66
100%		-20	5250037.29	37.29
100%		-10	5250041.48	41.48
100%		0	5250033.03	33.03
100%		+10	5250028.52	28.52
100%		+30	5250023.76	23.76
100%		+40	5250048.79	48.79
100%		+50	5250052.66	52.66
115%	55.20	+20	5250040.74	40.74
Batt. Endpoint	40.80	+20	5250036.82	36.82

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 FREQUENCY: 5,570,000,000 Hz

CHANNEL: 114

REFERENCE VOLTAGE: 48 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	48.00	+20(Ref)	5570021.94	21.94
100%		-30	5570056.78	56.78
100%		-20	5570036.16	36.16
100%		-10	5570040.74	40.74
100%		0	5570032.10	32.1
100%		+10	5570027.95	27.95
100%		+30	5570024.54	24.54
100%		+40	5570049.06	49.06
100%		+50	5570052.95	52.95
115%	55.20	+20	5570040.94	40.94
Batt. Endpoint	40.80	+20	5570036.16	36.16

Note:

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

9.6 RADIATED MEASUREMENT

9.6.1 RADIATED SPURIOUS EMISSIONS.

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

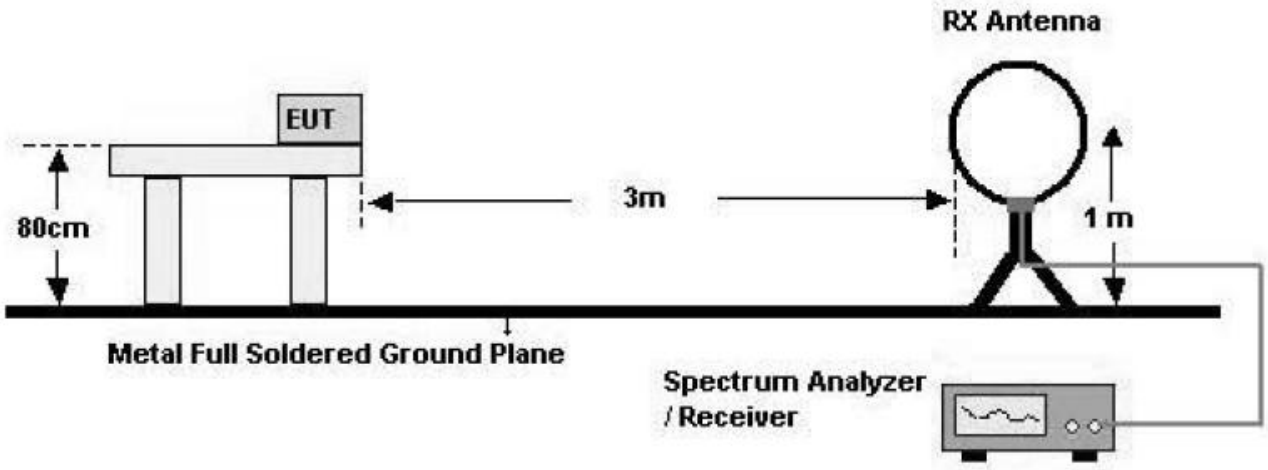
Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

▣ §15.407, KDB 789033 D02

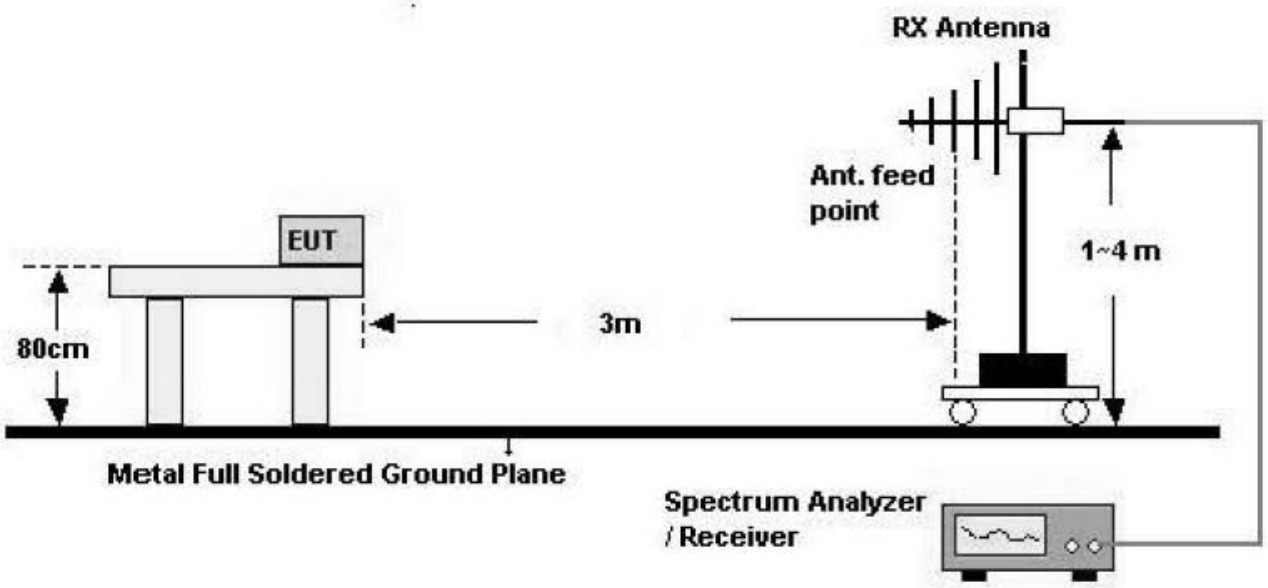
All harmonics that do not lie in a restricted band are subject to a peak limit of -27 dBm/MHz. At a distance of 3 meters the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions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

Test Configuration

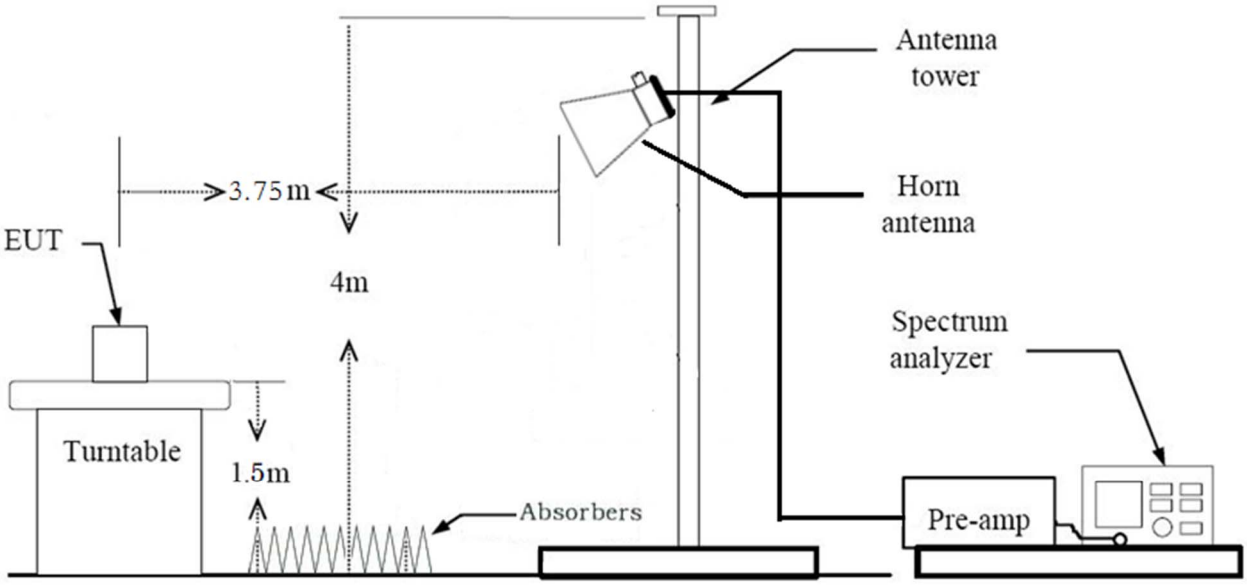
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



TEST PROCEDURE USED

ANSI C63.10:2013

Method G)5) in KDB 789033 D02 v01r04 (Peak)

Method G)6)d) in KDB 789033 D02 v01r04 (Average)

. Spectrum setting:

- Peak.

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

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

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

Note :

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

Mode	Worst Data rate (Mbps)	T_{on} (ms)	T_{total} (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
a	**6**	**2.067**	**2.132**	**0.96951220**	**485**	**1000**
n_HT20	**MCS 0**	**5.003**	**5.094**	**0.94371997**	**200**	**1000**
ac_VHT20	**MCS 0**	**5.010**	**5.108**	**0.94491842**	**200**	**1000**
n_HT40	**MCS 0**	**2.432**	**2.503**	**0.97166121**	**411**	**1000**
ac_VHT40	**MCS 0**	**2.437**	**2.513**	**0.96975810**	**410**	**1000**
ac_VHT80	**MCS 0**	**1.150**	**1.221**	**0.94190341**	**869**	**1000**
ac_VHT160	**MCS 0**	**2.235**	**2.300**	**0.97173913**	**447**	**1000**

TEST RESULTS

9 kHz – 30MHz

Operation Mode: Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
㎒	dBμV	dB /m	dB	(H/V)	dBμV/m	dBμV/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
㎒	dBμV	dB /m	dB	(H/V)	dBμV/m	dBμV/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.

[Omni]

Above 1 GHz

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	48.56	2.95	V	51.51	68.20	16.69	PK
15540	48.12	4.28	V	52.40	73.98	21.58	PK
15540	34.87	4.28	V	39.15	53.98	14.83	AV
10360	49.09	2.95	H	52.04	68.20	16.16	PK
15540	48.69	4.28	H	52.97	73.98	21.01	PK
15540	35.21	4.28	H	39.49	53.98	14.49	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 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	47.83	2.51	V	50.34	68.20	17.86	PK
15600	48.10	3.01	V	51.11	73.98	22.87	PK
15600	34.55	3.01	V	37.56	53.98	16.42	AV
10400	48.37	2.51	H	50.88	68.20	17.32	PK
15600	48.61	3.01	H	51.62	73.98	22.36	PK
15600	35.16	3.01	H	38.17	53.98	15.81	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 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	47.89	2.35	V	50.24	68.20	17.96	PK
15720	48.42	2.80	V	51.22	73.98	22.76	PK
15720	34.32	2.80	V	37.12	53.98	16.86	AV
10480	48.38	2.35	H	50.73	68.20	17.47	PK
15720	49.15	2.80	H	51.95	73.98	22.03	PK
15720	35.19	2.80	H	37.99	53.98	15.99	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	48.59	2.95	V	51.54	68.20	16.66	PK
15540	48.67	4.28	V	52.95	73.98	21.03	PK
15540	34.95	4.28	V	39.23	53.98	14.75	AV
10360	49.03	2.95	H	51.98	68.20	16.22	PK
15540	48.90	4.28	H	53.18	73.98	20.80	PK
15540	35.17	4.28	H	39.45	53.98	14.53	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 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	48.24	2.51	V	50.75	68.20	17.45	PK
15600	47.83	3.01	V	50.84	73.98	23.14	PK
15600	34.92	3.01	V	37.93	53.98	16.05	AV
10400	48.74	2.51	H	51.25	68.20	16.95	PK
15600	48.29	3.01	H	51.30	73.98	22.68	PK
15600	35.26	3.01	H	38.27	53.98	15.71	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	48.11	2.35	V	50.46	68.20	17.74	PK
15720	47.76	2.80	V	50.56	73.98	23.42	PK
15720	34.98	2.80	V	37.78	53.98	16.20	AV
10480	48.55	2.35	H	50.90	68.20	17.30	PK
15720	48.17	2.80	H	50.97	73.98	23.01	PK
15720	35.35	2.80	H	38.15	53.98	15.83	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 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	48.24	2.95	V	51.19	68.20	17.01	PK
15540	48.67	4.28	V	52.95	73.98	21.03	PK
15540	34.83	4.28	V	39.11	53.98	14.87	AV
10360	48.65	2.95	H	51.60	68.20	16.60	PK
15540	49.07	4.28	H	53.35	73.98	20.63	PK
15540	35.01	4.28	H	39.29	53.98	14.69	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 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	48.29	2.51	V	50.80	68.20	17.40	PK
15600	48.54	3.01	V	51.55	73.98	22.43	PK
15600	35.03	3.01	V	38.04	53.98	15.94	AV
10400	48.74	2.51	H	51.25	68.20	16.95	PK
15600	48.87	3.01	H	51.88	73.98	22.10	PK
15600	35.31	3.01	H	38.32	53.98	15.66	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 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	48.24	2.35	V	50.59	68.20	17.61	PK
15720	48.36	2.80	V	51.16	73.98	22.82	PK
15720	34.55	2.80	V	37.35	53.98	16.63	AV
10480	48.73	2.35	H	51.08	68.20	17.12	PK
15720	48.71	2.80	H	51.51	73.98	22.47	PK
15720	35.15	2.80	H	37.95	53.98	16.03	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	48.26	2.78	V	51.04	68.20	17.16	PK
15570	47.83	3.26	V	51.09	73.98	22.89	PK
15570	34.12	3.26	V	37.38	53.98	16.60	AV
10380	48.73	2.78	H	51.51	68.20	16.69	PK
15570	48.18	3.26	H	51.44	73.98	22.54	PK
15570	34.43	3.26	H	37.69	53.98	16.29	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	48.56	2.77	V	51.33	68.20	16.87	PK
15690	47.59	4.46	V	52.05	73.98	21.93	PK
15690	34.13	4.46	V	38.59	53.98	15.39	AV
10460	49.06	2.77	H	51.83	68.20	16.37	PK
15690	47.99	4.46	H	52.45	73.98	21.53	PK
15690	34.60	4.46	H	39.06	53.98	14.92	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	48.57	2.78	V	51.35	68.20	16.85	PK
15570	48.29	3.26	V	51.55	73.98	22.43	PK
15570	34.06	3.26	V	37.32	53.98	16.66	AV
10380	48.93	2.78	H	51.71	68.20	16.49	PK
15570	48.77	3.26	H	52.03	73.98	21.95	PK
15570	34.39	3.26	H	37.65	53.98	16.33	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	48.39	2.77	V	51.16	68.20	17.04	PK
15690	47.56	4.46	V	52.02	73.98	21.96	PK
15690	34.12	4.46	V	38.58	53.98	15.40	AV
10460	48.88	2.77	H	51.65	68.20	16.55	PK
15690	47.96	4.46	H	52.42	73.98	21.56	PK
15690	34.54	4.46	H	39.00	53.98	14.98	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	48.05	2.46	V	50.51	68.20	17.69	PK
15630	48.27	3.18	V	51.45	73.98	22.53	PK
15630	35.16	3.18	V	38.34	53.98	15.64	AV
10420	48.47	2.46	H	50.93	68.20	17.27	PK
15630	48.71	3.18	H	51.89	73.98	22.09	PK
15630	35.48	3.18	H	38.66	53.98	15.32	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	48.98	2.09	V	51.07	68.20	17.13	PK
15780	47.22	3.46	V	50.68	73.98	23.30	PK
15780	33.60	3.46	V	37.06	53.98	16.92	AV
10520	49.48	2.09	H	51.57	68.20	16.63	PK
15780	47.70	3.46	H	51.16	73.98	22.82	PK
15780	34.04	3.46	H	37.50	53.98	16.48	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 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	49.27	2.05	V	51.32	73.98	22.66	PK
10600	35.28	2.05	V	37.33	53.98	16.65	AV
15900	48.13	3.44	V	51.57	73.98	22.41	PK
15900	34.49	3.44	V	37.93	53.98	16.05	AV
10600	49.71	2.05	H	51.76	73.98	22.22	PK
10600	35.72	2.05	H	37.77	53.98	16.21	AV
15900	48.58	3.44	H	52.02	73.98	21.96	PK
15900	34.94	3.44	H	38.38	53.98	15.60	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
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	48.52	2.22	V	50.74	73.98	23.24	PK
10640	35.17	2.22	V	37.39	53.98	16.59	AV
15960	46.98	2.51	V	49.49	73.98	24.49	PK
15960	33.87	2.51	V	36.38	53.98	17.60	AV
10640	48.96	2.22	H	51.18	73.98	22.80	PK
10640	35.64	2.22	H	37.86	53.98	16.12	AV
15960	47.48	2.51	H	49.99	73.98	23.99	PK
15960	34.29	2.51	H	36.80	53.98	17.18	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	49.37	2.09	V	51.46	68.20	16.74	PK
15780	47.28	3.46	V	50.74	73.98	23.24	PK
15780	33.79	3.46	V	37.25	53.98	16.73	AV
10520	49.77	2.09	H	51.86	68.20	16.34	PK
15780	47.67	3.46	H	51.13	73.98	22.85	PK
15780	34.06	3.46	H	37.52	53.98	16.46	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	48.54	2.05	V	50.59	73.98	23.39	PK
10600	35.22	2.05	V	37.27	53.98	16.71	AV
15900	48.13	3.44	V	51.57	73.98	22.41	PK
15900	35.37	3.44	V	38.81	53.98	15.17	AV
10600	48.99	2.05	H	51.04	73.98	22.94	PK
10600	35.69	2.05	H	37.74	53.98	16.24	AV
15900	48.46	3.44	H	51.90	73.98	22.08	PK
15900	35.80	3.44	H	39.24	53.98	14.74	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	48.67	2.22	V	50.89	73.98	23.09	PK
10640	35.17	2.22	V	37.39	53.98	16.59	AV
15960	47.87	2.51	V	50.38	73.98	23.60	PK
15960	34.08	2.51	V	36.59	53.98	17.39	AV
10640	48.79	2.22	H	51.01	73.98	22.97	PK
10640	35.54	2.22	H	37.76	53.98	16.22	AV
15960	48.09	2.51	H	50.60	73.98	23.38	PK
15960	34.43	2.51	H	36.94	53.98	17.04	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	48.42	2.09	V	50.51	68.20	17.69	PK
15780	47.27	3.46	V	50.73	73.98	23.25	PK
15780	33.59	3.46	V	37.05	53.98	16.93	AV
10520	48.90	2.09	H	50.99	68.20	17.21	PK
15780	47.74	3.46	H	51.20	73.98	22.78	PK
15780	34.07	3.46	H	37.53	53.98	16.45	AV

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

Notes:

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

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	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	48.77	2.05	V	50.82	73.98	23.16	PK
10600	34.28	2.05	V	36.33	53.98	17.65	AV
15900	47.68	3.44	V	51.12	73.98	22.86	PK
15900	35.52	3.44	V	38.96	53.98	15.02	AV
10600	49.26	2.05	H	51.31	73.98	22.67	PK
10600	35.78	2.05	H	37.83	53.98	16.15	AV
15900	48.14	3.44	H	51.58	73.98	22.40	PK
15900	35.99	3.44	H	39.43	53.98	14.55	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	49.01	2.22	V	51.23	73.98	22.75	PK
10640	35.19	2.22	V	37.41	53.98	16.57	AV
15960	47.28	2.51	V	49.79	73.98	24.19	PK
15960	34.08	2.51	V	36.59	53.98	17.39	AV
10640	49.46	2.22	H	51.68	73.98	22.30	PK
10640	35.61	2.22	H	37.83	53.98	16.15	AV
15960	47.84	2.51	H	50.35	73.98	23.63	PK
15960	34.47	2.51	H	36.98	53.98	17.00	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	48.76	1.85	V	50.61	68.20	17.59	PK
15810	48.57	3.41	V	51.98	73.98	22.00	PK
15810	34.05	3.41	V	37.46	53.98	16.52	AV
10540	49.29	1.85	H	51.14	68.20	17.06	PK
15810	49.33	3.41	H	52.74	73.98	21.24	PK
15810	35.43	3.41	H	38.84	53.98	15.14	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 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	49.13	2.28	V	51.41	73.98	22.57	PK
10620	35.27	2.28	V	37.55	53.98	16.43	AV
15930	48.27	2.91	V	51.18	73.98	22.80	PK
15930	34.83	2.91	V	37.74	53.98	16.24	AV
10620	49.54	2.28	H	51.82	73.98	22.16	PK
10620	35.75	2.28	H	38.03	53.98	15.95	AV
15930	48.72	2.91	H	51.63	73.98	22.35	PK
15930	35.28	2.91	H	38.19	53.98	15.79	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	49.11	1.85	V	50.96	68.20	17.24	PK
15810	47.83	3.41	V	51.24	73.98	22.74	PK
15810	34.52	3.41	V	37.93	53.98	16.05	AV
10540	49.61	1.85	H	51.46	68.20	16.74	PK
15810	48.35	3.41	H	51.76	73.98	22.22	PK
15810	35.02	3.41	H	38.43	53.98	15.55	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 (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	48.93	2.28	V	51.21	73.98	22.77	PK
10620	35.21	2.28	V	37.49	53.98	16.49	AV
15930	49.27	2.91	V	52.18	73.98	21.80	PK
15930	34.55	2.91	V	37.46	53.98	16.52	AV
10620	49.25	2.28	H	51.53	73.98	22.45	PK
10620	35.76	2.28	H	38.04	53.98	15.94	AV
15930	49.84	2.91	H	52.75	73.98	21.23	PK
15930	35.03	2.91	H	37.94	53.98	16.04	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	49.13	1.87	V	51.00	68.20	17.20	PK
15870	47.25	2.64	V	49.89	73.98	24.09	PK
15870	33.77	2.64	V	36.41	53.98	17.57	AV
10580	49.55	1.87	H	51.42	68.20	16.78	PK
15870	47.74	2.64	H	50.38	73.98	23.60	PK
15870	34.16	2.64	H	36.80	53.98	17.18	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	49.47	2.95	V	52.42	73.98	21.56	PK
11000	35.47	2.95	V	38.42	53.98	15.56	AV
16500	34.13	5.59	V	39.72	68.20	28.48	PK
11000	48.76	2.95	H	51.71	73.98	22.27	PK
11000	34.52	2.95	H	37.47	53.98	16.51	AV
16500	33.50	5.59	H	39.09	68.20	29.11	PK

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

Notes:

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