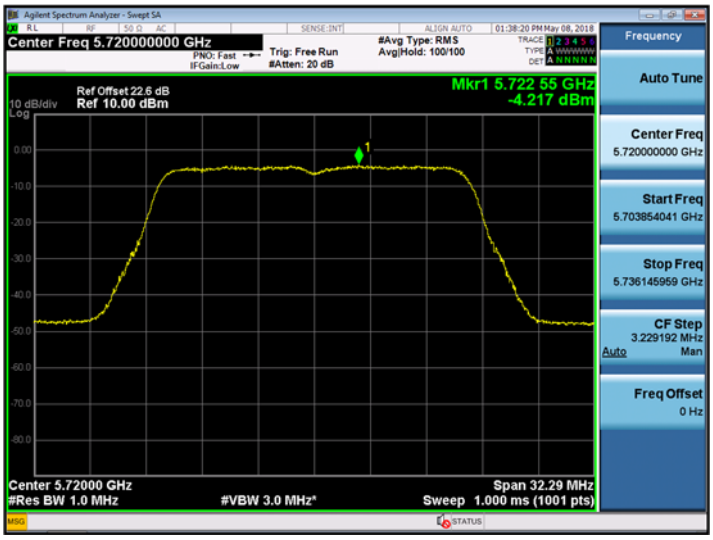
▣Straddle channels TEST Plot for 802.11a/n_HT20/ac_VHT20_Ant 3

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	2.56	4.50	Pass
		802.11n	2.27	4.50	Pass
		802.11ac	2.63	4.50	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	-0.37	23.50	Pass
		802.11n	-0.61	23.50	Pass
		802.11ac	-0.32	23.50	Pass

▣Straddle channels TEST RESULTS for 802.11n_HT40/ac_VHT40_Ant 0

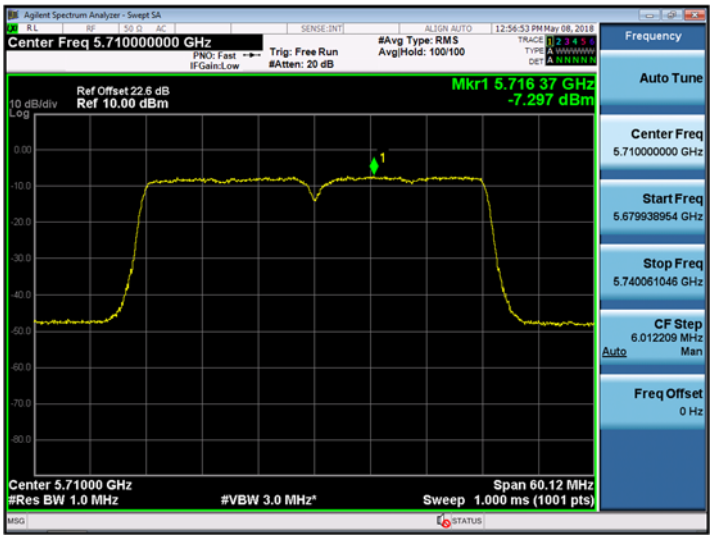
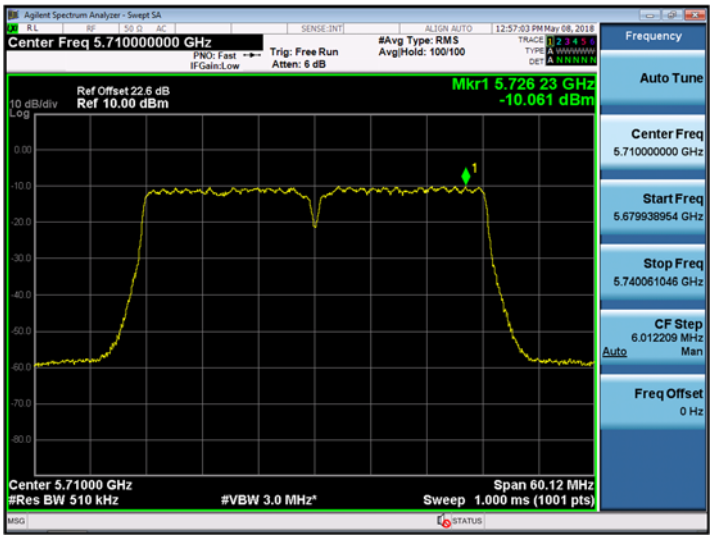
Conducted Power Density Measurements (UNII 2C Band 5710MHz)

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	-7.297	0.719	-6.578	10.52	Pass
		802.11ac	-6.948	0.939	-6.009	10.52	Pass

Conducted Power Density Measurements (UNII 3 Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-10.061	0.719	-9.342	29.52	Pass
		802.11ac	-9.922	0.939	-8.983	29.52	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

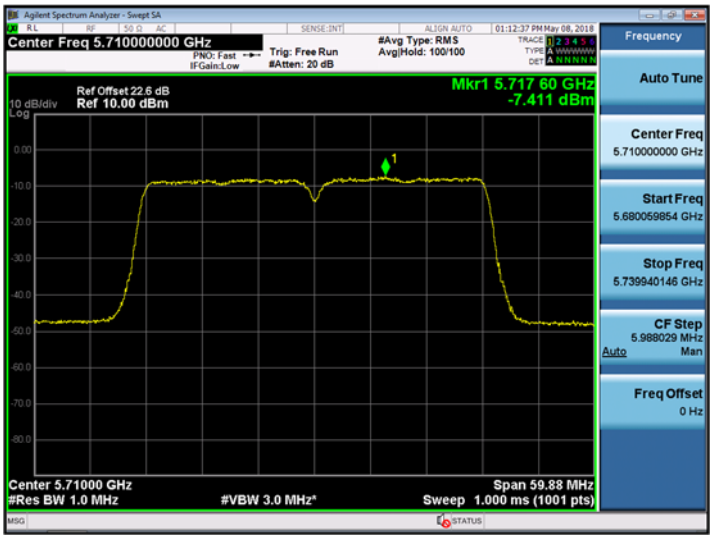
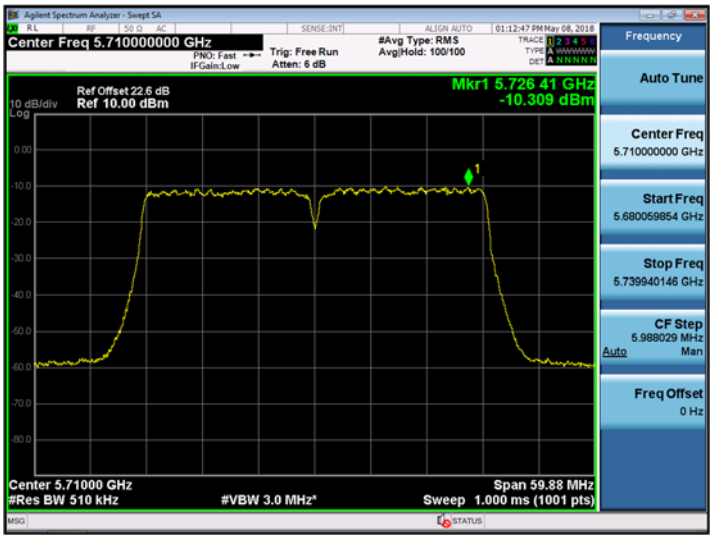
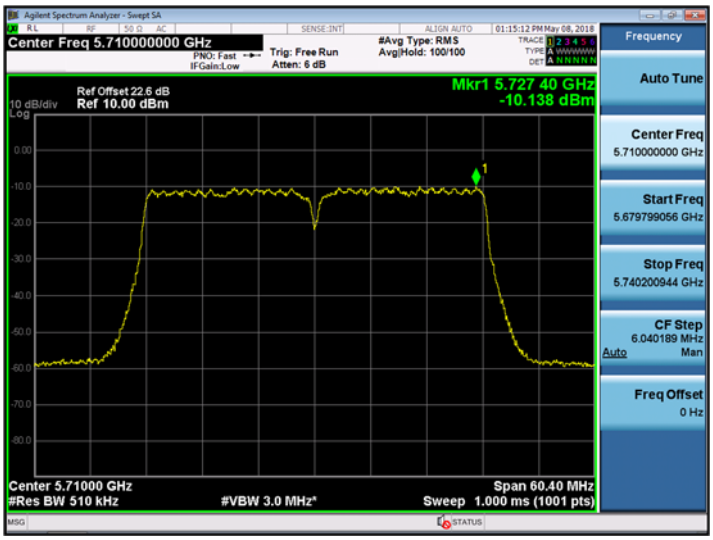
Conducted Power Density Measurements (UNII 2C Band 5710MHz)

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	-7.411	0.719	-6.692	10.52	Pass
		802.11ac	-7.366	0.939	-6.427	10.52	Pass

Conducted Power Density Measurements (UNII 3 Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-10.309	0.719	-9.590	29.52	Pass
		802.11ac	-10.138	0.939	-9.199	29.52	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

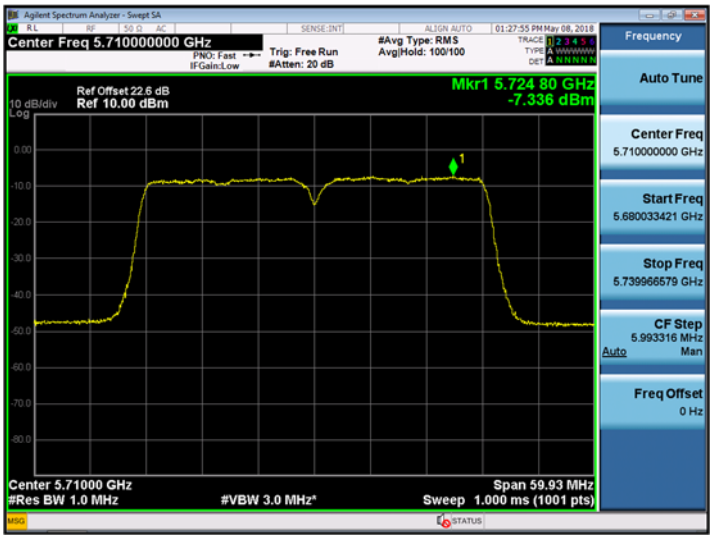
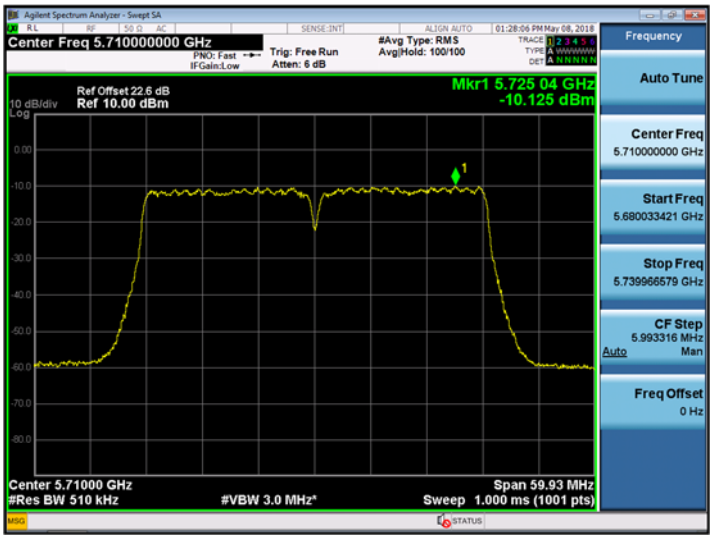
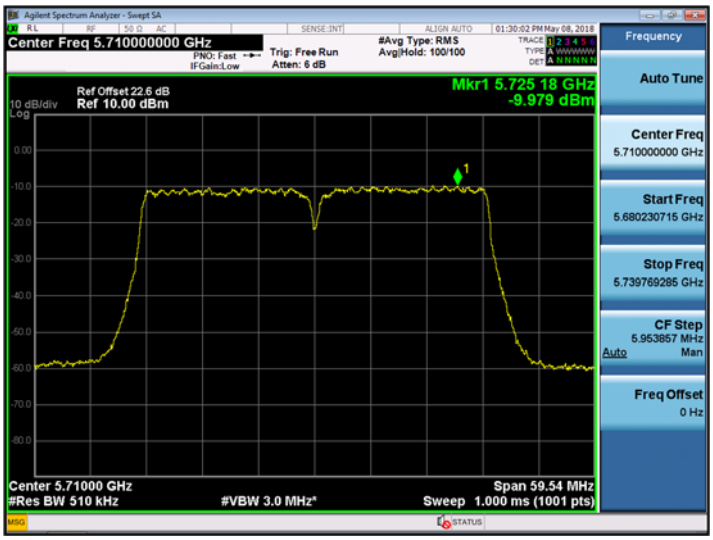
Conducted Power Density Measurements (UNII 2C Band 5710MHz)

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	-7.336	0.719	-6.617	10.52	Pass
		802.11ac	-6.931	0.939	-5.992	10.52	Pass

Conducted Power Density Measurements (UNII 3 Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-10.125	0.719	-9.406	29.52	Pass
		802.11ac	-9.979	0.939	-9.040	29.52	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

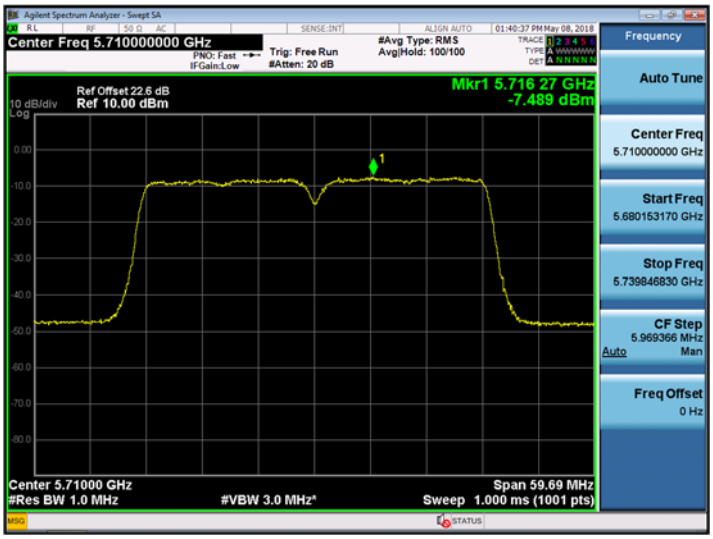
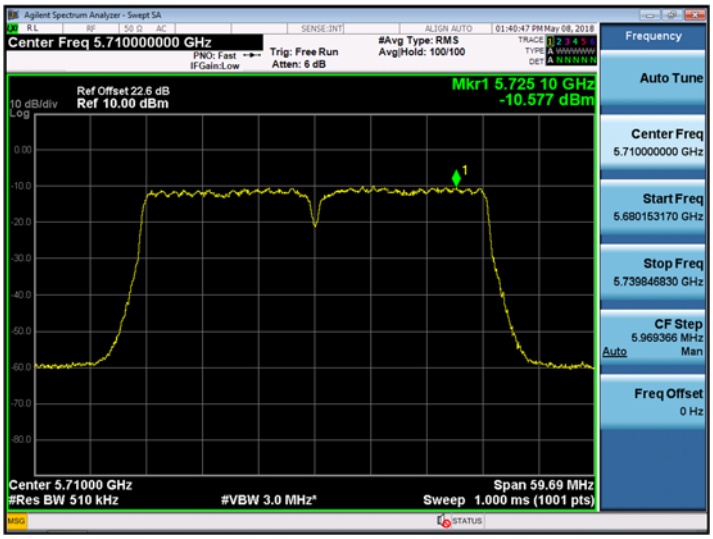
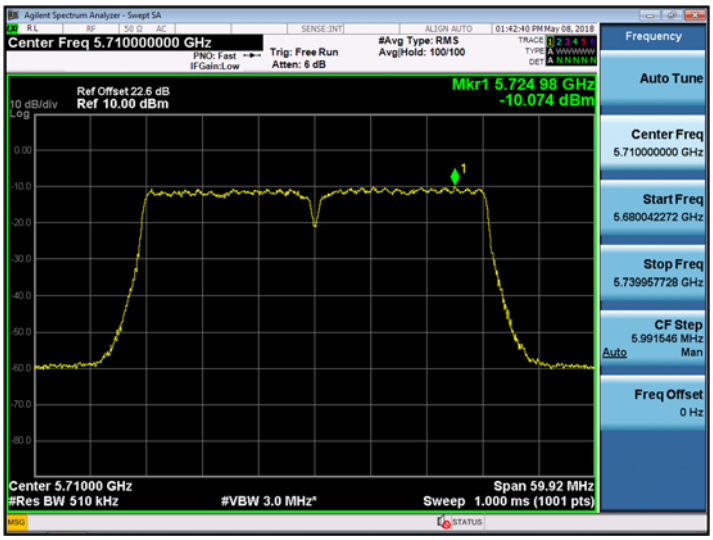
Conducted Power Density Measurements (UNII 2C Band 5710MHz)

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	-7.489	0.719	-6.770	10.52	Pass
		802.11ac	-7.478	0.835	-6.643	10.52	Pass

Conducted Power Density Measurements (UNII 3 Band 5710MHz)

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5710	142	802.11n	-10.577	0.719	-9.858	29.52	Pass
		802.11ac	-10.074	0.835	-9.239	29.52	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	-0.64	4.50	Pass
		802.11ac	-0.24	4.50	Pass

TEST RESULTS for 802.11n_HT40/ac_VHT40_Sum Data of Ant.0 and Ant.1 and Ant.2 and Ant.3 (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	-3.53	23.50	Pass
		802.11ac	-3.09	23.50	Pass

▣Straddle channels TEST RESULTS_Ant 0

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

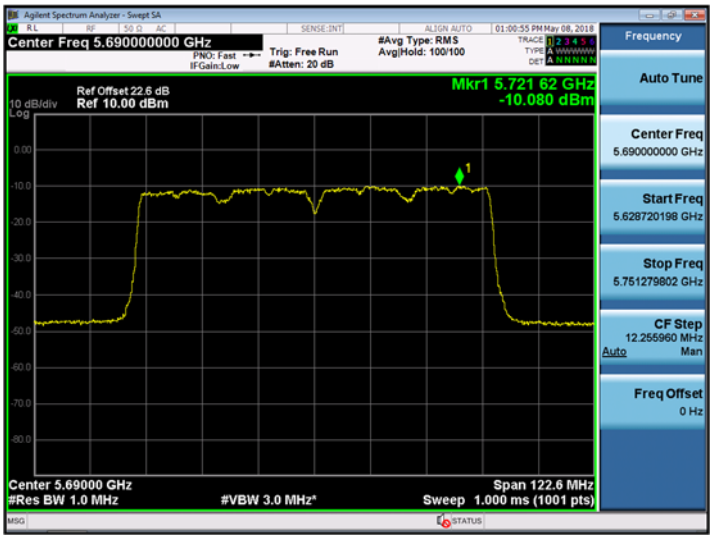
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-10.080	1.362	-8.718	10.52	Pass

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

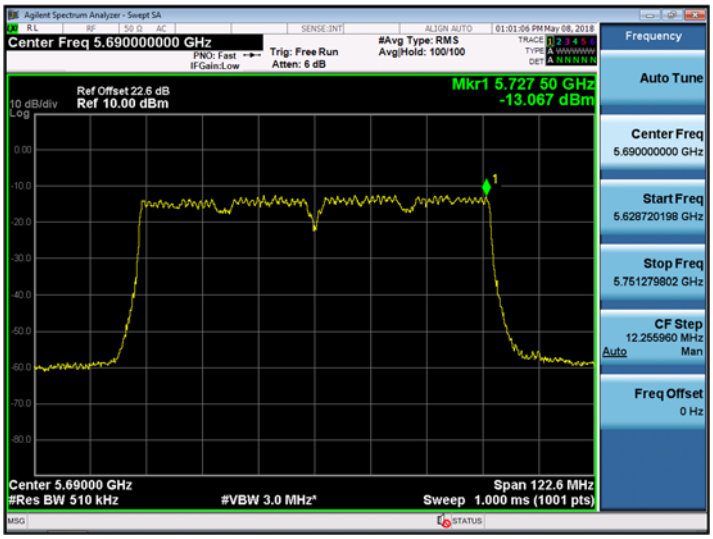
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-13.067	1.362	-11.705	29.52	Pass

▣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)

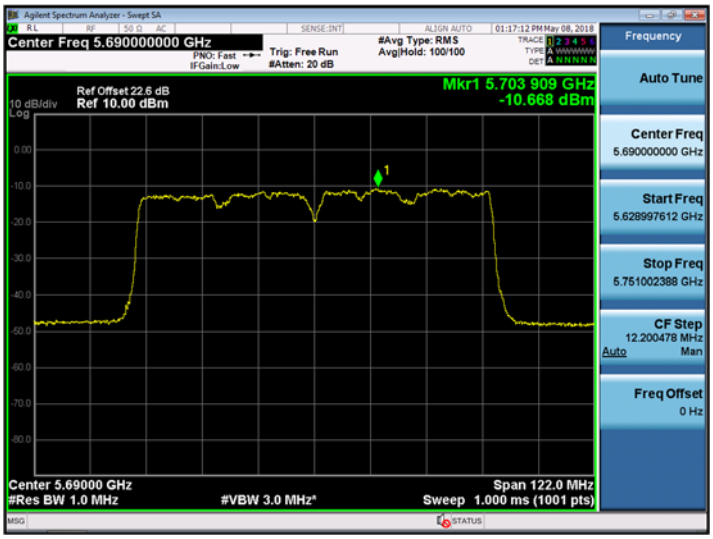
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-10.668	1.427	-9.241	10.52	Pass

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

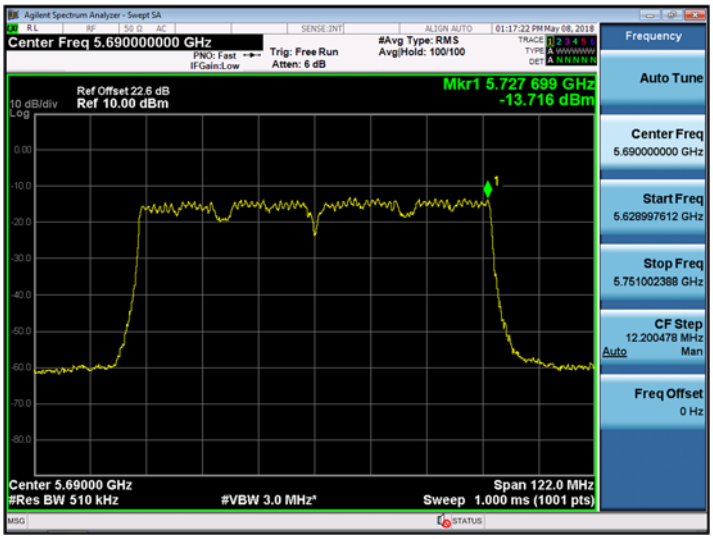
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-13.716	1.427	-12.289	29.52	Pass

▣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)

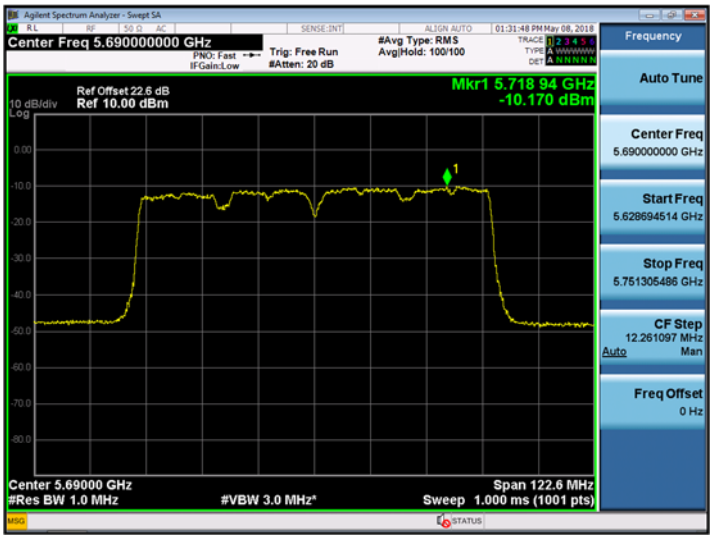
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-10.170	1.427	-8.743	10.52	Pass

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

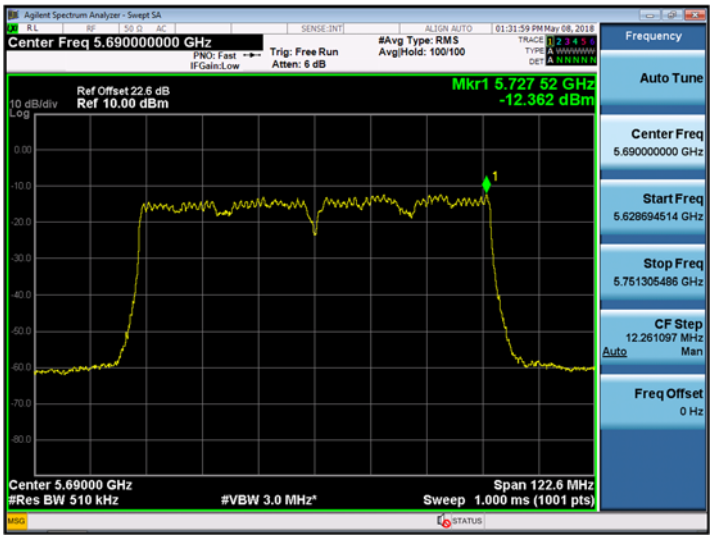
Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-12.362	1.427	-10.935	29.52	Pass

▣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

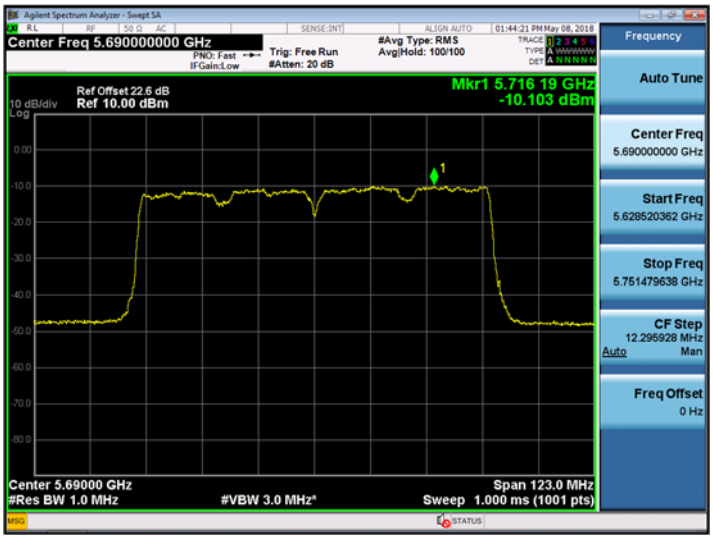
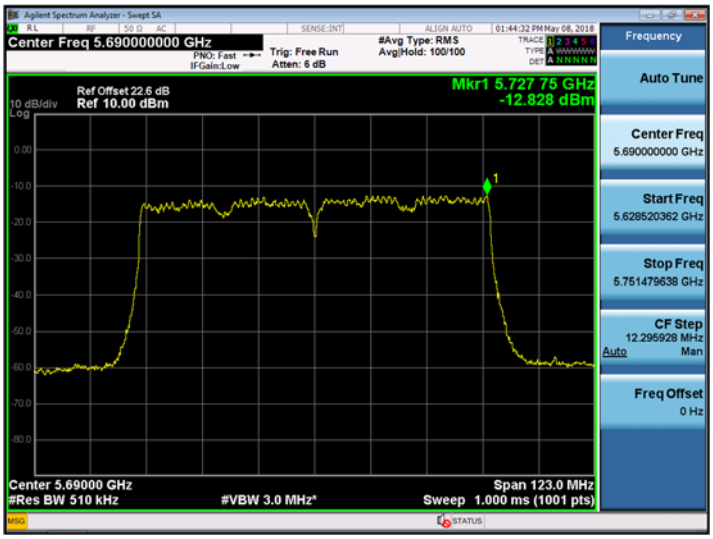
Conducted Power Density Measurements (UNII 2C Band 5690MHz)

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	-10.103	1.249	-8.854	10.52	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	-12.828	1.249	-11.579	29.52	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 802.11n_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 5690MHz)

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5690	138	802.11ac	-2.87	4.50	Pass

TEST RESULTS for 802.11n_HT40/ac_VHT40_Sum Data of Ant.0 and Ant.1 and Ant.2 and Ant.3 (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	-5.59	23.50	Pass

9.5 FREQUENCY STABILITY

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

[Ant.0]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180024.50	24.5
100%		-30	5180028.59	28.59
100%		-20	5180032.08	32.08
100%		-10	5180035.76	35.76
100%		0	5180040.79	40.79
100%		+10	5180048.81	48.81
100%		+30	5180053.23	53.23
100%		+40	5180056.35	56.35
100%		+50	5180041.32	41.32
115%	13.80	+20	5180035.89	35.89
Batt. Endpoint	10.20	+20	5180036.21	36.21

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260024.42	24.42
100%		-30	5260028.79	28.79
100%		-20	5260033.12	33.12
100%		-10	5260037.16	37.16
100%		0	5260041.69	41.69
100%		+10	5260050.02	50.02
100%		+30	5260053.51	53.51
100%		+40	5260057.41	57.41
100%		+50	5260040.96	40.96
115%	13.80	+20	5260038.14	38.14
Batt. Endpoint	10.20	+20	5260038.66	38.66

Note:

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

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,500,000,000 Hz
CHANNEL: 100
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500023.20	23.2
100%		-30	5500026.76	26.76
100%		-20	5500031.24	31.24
100%		-10	5500036.30	36.3
100%		0	5500040.02	40.02
100%		+10	5500049.13	49.13
100%		+30	5500053.11	53.11
100%		+40	5500057.67	57.67
100%		+50	5500039.94	39.94
115%	13.80	+20	5500035.37	35.37
Batt. Endpoint	10.20	+20	5500037.22	37.22

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: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745027.05	27.05
100%		-30	5745031.12	31.12
100%		-20	5745034.32	34.32
100%		-10	5745037.58	37.58
100%		0	5745041.24	41.24
100%		+10	5745048.92	48.92
100%		+30	5745053.19	53.19
100%		+40	5745056.90	56.9
100%		+50	5745041.74	41.74
115%	13.80	+20	5745038.24	38.24
Batt. Endpoint	10.20	+20	5745037.83	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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5190023.57	23.57
100%		-30	5190027.98	27.98
100%		-20	5190031.38	31.38
100%		-10	5190036.38	36.38
100%		0	5190039.98	39.98
100%		+10	5190048.85	48.85
100%		+30	5190053.67	53.67
100%		+40	5190058.18	58.18
100%		+50	5190040.00	40
115%	13.8	+20	5190035.23	35.23
Batt. Endpoint	10.2	+20	5190036.88	36.88

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5270024.04	24.04
100%		-30	5270028.98	28.98
100%		-20	5270033.77	33.77
100%		-10	5270037.23	37.23
100%		0	5270041.75	41.75
100%		+10	5270048.24	48.24
100%		+30	5270051.70	51.7
100%		+40	5270055.34	55.34
100%		+50	5270041.54	41.54
115%	13.8	+20	5270037.01	37.01
Batt. Endpoint	10.2	+20	5270037.09	37.09

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5510024.89	24.89
100%		-30	5510029.42	29.42
100%		-20	5510032.76	32.76
100%		-10	5510037.78	37.78
100%		0	5510041.15	41.15
100%		+10	5510050.20	50.2
100%		+30	5510052.71	52.71
100%		+40	5510057.41	57.41
100%		+50	5510041.29	41.29
115%	13.8	+20	5510035.60	35.60
Batt. Endpoint	10.2	+20	5510038.73	38.73

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5755025.68	25.68
100%		-30	5755030.08	30.08
100%		-20	5755033.30	33.3
100%		-10	5755037.04	37.04
100%		0	5755041.38	41.38
100%		+10	5755049.80	49.8
100%		+30	5755054.12	54.12
100%		+40	5755058.51	58.51
100%		+50	5755041.26	41.26
115%	13.8	+20	5755038.10	38.1
Batt. Endpoint	10.2	+20	5755046.16	46.16

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.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5210025.17	25.17
100%		-30	5210029.84	29.84
100%		-20	5210034.50	34.5
100%		-10	5210038.47	38.47
100%		0	5210041.81	41.81
100%		+10	5210049.77	49.77
100%		+30	5210054.66	54.66
100%		+40	5210059.02	59.02
100%		+50	5210041.03	41.03
115%	13.8	+20	5210039.27	39.27
Batt. Endpoint	10.2	+20	5210048.13	48.13

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: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5290023.04	23.04
100%		-30	5290027.20	27.2
100%		-20	5290031.66	31.66
100%		-10	5290035.74	35.74
100%		0	5290040.49	40.49
100%		+10	5290048.15	48.15
100%		+30	5290052.82	52.82
100%		+40	5290057.34	57.34
100%		+50	5290040.92	40.92
115%	13.8	+20	5290034.81	34.81
Batt. Endpoint	10.2	+20	5290043.56	43.56

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5530025.10	25.10
100%		-30	5530028.59	28.59
100%		-20	5530031.31	31.31
100%		-10	5530037.80	37.8
100%		0	5530041.66	41.66
100%		+10	5530049.90	49.9
100%		+30	5530052.36	52.36
100%		+40	5530026.90	26.9
100%		+50	5530041.33	41.33
115%	13.8	+20	5530038.32	38.32
Batt. Endpoint	10.2	+20	5530035.01	35.01

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.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5775024.57	24.57
100%		-30	5775027.74	27.74
100%		-20	5775032.77	32.77
100%		-10	5775036.77	36.77
100%		0	5775039.94	39.94
100%		+10	5775048.32	48.32
100%		+30	5775053.04	53.04
100%		+40	5775056.73	56.73
100%		+50	5775041.00	41
115%	13.8	+20	5775036.09	36.09
Batt. Endpoint	10.2	+20	5775044.81	44.81

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.

[Ant.1]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180022.97	22.97
100%		-30	5180026.40	26.4
100%		-20	5180031.47	31.47
100%		-10	5180036.51	36.51
100%		0	5180040.43	40.43
100%		+10	5180049.68	49.68
100%		+30	5180054.27	54.27
100%		+40	5180057.51	57.51
100%		+50	5180039.96	39.96
115%	13.80	+20	5180036.15	36.15
Batt. Endpoint	10.20	+20	5180034.95	34.95

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 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260023.13	23.13
100%		-30	5260027.43	27.43
100%		-20	5260031.57	31.57
100%		-10	5260035.23	35.23
100%		0	5260040.30	40.3
100%		+10	5260049.62	49.62
100%		+30	5260054.36	54.36
100%		+40	5260059.26	59.26
100%		+50	5260041.34	41.34
115%	13.80	+20	5260036.19	36.19
Batt. Endpoint	10.20	+20	5260037.16	37.16

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: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500024.83	24.83
100%		-30	5500028.33	28.33
100%		-20	5500032.61	32.61
100%		-10	5500035.85	35.85
100%		0	5500040.24	40.24
100%		+10	5500049.08	49.08
100%		+30	5500052.72	52.72
100%		+40	5500057.14	57.14
100%		+50	5500041.76	41.76
115%	13.80	+20	5500036.69	36.69
Batt. Endpoint	10.20	+20	5500036.72	36.72

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.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745023.58	23.58
100%		-30	5745028.31	28.31
100%		-20	5745033.33	33.33
100%		-10	5745036.72	36.72
100%		0	5745040.66	40.66
100%		+10	5745048.41	48.41
100%		+30	5745053.50	53.5
100%		+40	5745057.88	57.88
100%		+50	5745041.61	41.61
115%	13.80	+20	5745036.74	36.74
Batt. Endpoint	10.20	+20	5745038.94	38.94

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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5190026.70	26.7
100%		-30	5190030.48	30.48
100%		-20	5190033.92	33.92
100%		-10	5190037.56	37.56
100%		0	5190040.85	40.85
100%		+10	5190048.58	48.58
100%		+30	5190051.94	51.94
100%		+40	5190056.44	56.44
100%		+50	5190041.36	41.36
115%	13.8	+20	5190037.50	37.5
Batt. Endpoint	10.2	+20	5190044.50	44.5

Note:

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

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,270,000,000 Hz

CHANNEL: 54

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5270025.24	25.24
100%		-30	5270028.38	28.38
100%		-20	5270031.96	31.96
100%		-10	5270036.48	36.48
100%		0	5270041.30	41.3
100%		+10	5270048.51	48.51
100%		+30	5270052.62	52.62
100%		+40	5270056.69	56.69
100%		+50	5270040.48	40.48
115%	13.8	+20	5270035.47	35.47
Batt. Endpoint	10.2	+20	5270044.10	44.1

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5510024.49	24.49
100%		-30	5510028.51	28.51
100%		-20	5510032.36	32.36
100%		-10	5510035.65	35.65
100%		0	5510040.64	40.64
100%		+10	5510048.96	48.96
100%		+30	5510053.31	53.31
100%		+40	5510057.72	57.72
100%		+50	5510041.71	41.71
115%	13.8	+20	5510036.32	36.32
Batt. Endpoint	10.2	+20	5510043.96	43.96

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 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5755023.47	23.47
100%		-30	5755027.06	27.06
100%		-20	5755031.29	31.29
100%		-10	5755036.20	36.2
100%		0	5755040.10	40.1
100%		+10	5755048.56	48.56
100%		+30	5755052.22	52.22
100%		+40	5755055.79	55.79
100%		+50	5755040.09	40.09
115%	13.8	+20	5755034.85	34.85
Batt. Endpoint	10.2	+20	5755043.42	43.42

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.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5210024.91	24.91
100%		-30	5210028.46	28.46
100%		-20	5210032.14	32.14
100%		-10	5210036.52	36.52
100%		0	5210041.43	41.43
100%		+10	5210049.30	49.3
100%		+30	5210052.80	52.8
100%		+40	5210056.41	56.41
100%		+50	5210040.62	40.62
115%	13.8	+20	5210036.44	36.44
Batt. Endpoint	10.2	+20	5210044.32	44.32

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.

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5290024.80	24.8
100%		-30	5290029.87	29.87
100%		-20	5290033.36	33.36
100%		-10	5290036.77	36.77
100%		0	5290041.14	41.14
100%		+10	5290049.53	49.53
100%		+30	5290053.17	53.17
100%		+40	5290057.51	57.51
100%		+50	5290041.59	41.59
115%	13.8	+20	5290037.89	37.89
Batt. Endpoint	10.2	+20	5290044.94	44.94

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 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5530025.35	25.35
100%		-30	5530029.28	29.28
100%		-20	5530033.01	33.01
100%		-10	5530037.78	37.78
100%		0	5530041.42	41.42
100%		+10	5530048.13	48.13
100%		+30	5530052.73	52.73
100%		+40	5530056.74	56.74
100%		+50	5530040.23	40.23
115%	13.8	+20	5530036.14	36.14
Batt. Endpoint	10.2	+20	5530045.51	45.51

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: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5775025.45	25.45
100%		-30	5775029.30	29.3
100%		-20	5775033.52	33.52
100%		-10	5775038.28	38.28
100%		0	5775041.58	41.58
100%		+10	5775048.26	48.26
100%		+30	5775053.12	53.12
100%		+40	5775056.86	56.86
100%		+50	5775040.24	40.24
115%	13.8	+20	5775036.78	36.78
Batt. Endpoint	10.2	+20	5775046.40	46.4

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: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180025.45	25.45
100%		-30	5180030.34	30.34
100%		-20	5180033.50	33.5
100%		-10	5180036.63	36.63
100%		0	5180041.43	41.43
100%		+10	5180049.01	49.01
100%		+30	5180054.05	54.05
100%		+40	5180058.07	58.07
100%		+50	5180041.87	41.87
115%	13.80	+20	5180037.51	37.51
Batt. Endpoint	10.20	+20	5180037.17	37.17

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,260,000,000 Hz
CHANNEL: 52
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260023.01	23.01
100%		-30	5260027.61	27.61
100%		-20	5260031.31	31.31
100%		-10	5260035.45	35.45
100%		0	5260040.39	40.39
100%		+10	5260048.59	48.59
100%		+30	5260052.98	52.98
100%		+40	5260056.20	56.2
100%		+50	5260040.86	40.86
115%	13.80	+20	5260034.90	34.9
Batt. Endpoint	10.20	+20	5260036.72	36.72

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.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,500,000,000 Hz

CHANNEL: 100

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500025.92	25.92
100%		-30	5500029.12	29.12
100%		-20	5500032.76	32.76
100%		-10	5500037.34	37.34
100%		0	5500041.18	41.18
100%		+10	5500048.52	48.52
100%		+30	5500053.14	53.14
100%		+40	5500057.46	57.46
100%		+50	5500040.42	40.42
115%	13.80	+20	5500036.28	36.28
Batt. Endpoint	10.20	+20	5500036.45	36.45

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745023.73	23.73
100%		-30	5745028.48	28.48
100%		-20	5745031.86	31.86
100%		-10	5745036.26	36.26
100%		0	5745040.34	40.34
100%		+10	5745048.86	48.86
100%		+30	5745053.34	53.34
100%		+40	5745057.55	57.55
100%		+50	5745040.60	40.6
115%	13.80	+20	5745035.72	35.72
Batt. Endpoint	10.20	+20	5745035.61	35.61

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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5190024.78	24.78
100%		-30	5190029.42	29.42
100%		-20	5190033.77	33.77
100%		-10	5190038.33	38.33
100%		0	5190041.47	41.47
100%		+10	5190048.94	48.94
100%		+30	5190052.32	52.32
100%		+40	5190056.37	56.37
100%		+50	5190040.44	40.44
115%	13.8	+20	5190037.71	37.71
Batt. Endpoint	10.2	+20	5190045.65	45.65

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5270026.38	26.38
100%		-30	5270030.33	30.33
100%		-20	5270033.65	33.65
100%		-10	5270037.78	37.78
100%		0	5270041.58	41.58
100%		+10	5270049.00	49
100%		+30	5270053.83	53.83
100%		+40	5270056.97	56.97
100%		+50	5270040.87	40.87
115%	13.8	+20	5270037.65	37.65
Batt. Endpoint	10.2	+20	5270046.61	46.61

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: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5510025.61	25.61
100%		-30	5510029.52	29.52
100%		-20	5510032.90	32.9
100%		-10	5510036.07	36.07
100%		0	5510040.58	40.58
100%		+10	5510048.30	48.3
100%		+30	5510053.33	53.33
100%		+40	5510056.51	56.51
100%		+50	5510041.83	41.83
115%	13.8	+20	5510036.20	36.2
Batt. Endpoint	10.2	+20	5510044.40	44.4

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5755024.28	24.28
100%		-30	5755028.99	28.99
100%		-20	5755032.72	32.72
100%		-10	5755036.67	36.67
100%		0	5755039.97	39.97
100%		+10	5755049.43	49.43
100%		+30	5755053.72	53.72
100%		+40	5755057.82	57.82
100%		+50	5755041.05	41.05
115%	13.8	+20	5755037.15	37.15
Batt. Endpoint	10.2	+20	5755045.39	45.39

Note:

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

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5210022.48	22.48
100%		-30	5210026.76	26.76
100%		-20	5210031.45	31.45
100%		-10	5210036.38	36.38
100%		0	5210041.33	41.33
100%		+10	5210049.52	49.52
100%		+30	5210054.37	54.37
100%		+40	5210057.63	57.63
100%		+50	5210040.07	40.07
115%	13.8	+20	5210035.97	35.97
Batt. Endpoint	10.2	+20	5210045.75	45.75

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.

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5290024.85	24.85
100%		-30	5290028.83	28.83
100%		-20	5290032.45	32.45
100%		-10	5290037.03	37.03
100%		0	5290041.06	41.06
100%		+10	5290048.90	48.9
100%		+30	5290053.08	53.08
100%		+40	5290057.10	57.1
100%		+50	5290040.42	40.42
115%	13.8	+20	5290036.35	36.35
Batt. Endpoint	10.2	+20	5290045.11	45.11

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 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5530023.18	23.18
100%		-30	5530028.01	28.01
100%		-20	5530032.99	32.99
100%		-10	5530036.60	36.6
100%		0	5530040.11	40.11
100%		+10	5530048.49	48.49
100%		+30	5530051.64	51.64
100%		+40	5530056.16	56.16
100%		+50	5530041.39	41.39
115%	13.8	+20	5530036.48	36.48
Batt. Endpoint	10.2	+20	5530043.24	43.24

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: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5775027.42	27.42
100%		-30	5775030.53	30.53
100%		-20	5775034.23	34.23
100%		-10	5775037.61	37.61
100%		0	5775040.86	40.86
100%		+10	5775049.44	49.44
100%		+30	5775054.09	54.09
100%		+40	5775057.83	57.83
100%		+50	5775041.62	41.62
115%	13.8	+20	5775038.67	38.67
Batt. Endpoint	10.2	+20	5775046.70	46.7

Note:

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

[Ant.3]

20 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,180,000,000 Hz

CHANNEL: 36

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180025.42	25.42
100%		-30	5180030.09	30.09
100%		-20	5180033.43	33.43
100%		-10	5180036.94	36.94
100%		0	5180041.02	41.02
100%		+10	5180049.89	49.89
100%		+30	5180053.32	53.32
100%		+40	5180056.72	56.72
100%		+50	5180041.49	41.49
115%	13.80	+20	5180038.32	38.32
Batt. Endpoint	10.20	+20	5180037.90	37.9

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 2A

OPERATING FREQUENCY: 5,260,000,000 Hz

CHANNEL: 52

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260025.51	25.51
100%		-30	5260029.92	29.92
100%		-20	5260033.11	33.11
100%		-10	5260037.84	37.84
100%		0	5260041.79	41.79
100%		+10	5260049.26	49.26
100%		+30	5260053.39	53.39
100%		+40	5260056.73	56.73
100%		+50	5260040.27	40.27
115%	13.80	+20	5260037.37	37.37
Batt. Endpoint	10.20	+20	5260035.40	35.4

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,500,000,000 Hz

CHANNEL: 100

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500025.48	25.48
100%		-30	5500030.35	30.35
100%		-20	5500033.88	33.88
100%		-10	5500038.02	38.02
100%		0	5500041.44	41.44
100%		+10	5500049.01	49.01
100%		+30	5500052.25	52.25
100%		+40	5500057.27	57.27
100%		+50	5500040.86	40.86
115%	13.80	+20	5500037.89	37.89
Batt. Endpoint	10.20	+20	5500036.18	36.18

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745023.48	23.48
100%		-30	5745028.15	28.15
100%		-20	5745031.69	31.69
100%		-10	5745036.10	36.1
100%		0	5745040.45	40.45
100%		+10	5745048.48	48.48
100%		+30	5745053.51	53.51
100%		+40	5745056.70	56.7
100%		+50	5745040.59	40.59
115%	13.80	+20	5745035.17	35.17
Batt. Endpoint	10.20	+20	5745038.24	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.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5190026.31	26.31
100%		-30	5190029.77	29.77
100%		-20	5190034.15	34.15
100%		-10	5190037.35	37.35
100%		0	5190041.68	41.68
100%		+10	5190049.61	49.61
100%		+30	5190052.86	52.86
100%		+40	5190057.17	57.17
100%		+50	5190041.80	41.8
115%	13.8	+20	5190038.76	38.76
Batt. Endpoint	10.2	+20	5190045.21	45.21

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,270,000,000 Hz
CHANNEL: 54
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5270022.88	22.88
100%		-30	5270027.27	27.27
100%		-20	5270031.18	31.18
100%		-10	5270036.24	36.24
100%		0	5270040.60	40.6
100%		+10	5270049.87	49.87
100%		+30	5270054.87	54.87
100%		+40	5270058.69	58.69
100%		+50	5270039.94	39.94
115%	13.8	+20	5270036.05	36.05
Batt. Endpoint	10.2	+20	5270046.11	46.11

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 2C

OPERATING FREQUENCY: 5,510,000,000 Hz

CHANNEL: 102

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5510024.58	24.58
100%		-30	5510029.43	29.43
100%		-20	5510033.19	33.19
100%		-10	5510036.62	36.62
100%		0	5510041.07	41.07
100%		+10	5510049.40	49.4
100%		+30	5510052.59	52.59
100%		+40	5510057.34	57.34
100%		+50	5510041.57	41.57
115%	13.8	+20	5510037.59	37.59
Batt. Endpoint	10.2	+20	5510044.21	44.21

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5755026.46	26.46
100%		-30	5755031.00	31
100%		-20	5755034.20	34.2
100%		-10	5755038.52	38.52
100%		0	5755041.82	41.82
100%		+10	5755049.08	49.08
100%		+30	5755053.82	53.82
100%		+40	5755058.42	58.42
100%		+50	5755040.68	40.68
115%	13.8	+20	5755038.28	38.28
Batt. Endpoint	10.2	+20	5755047.34	47.34

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: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5210025.82	25.82
100%		-30	5210030.48	30.48
100%		-20	5210033.60	33.6
100%		-10	5210038.23	38.23
100%		0	5210041.79	41.79
100%		+10	5210049.71	49.71
100%		+30	5210053.09	53.09
100%		+40	5210056.48	56.48
100%		+50	5210040.37	40.37
115%	13.8	+20	5210038.31	38.31
Batt. Endpoint	10.2	+20	5210046.32	46.32

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.

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5290024.72	24.72
100%		-30	5290028.03	28.03
100%		-20	5290032.64	32.64
100%		-10	5290036.96	36.96
100%		0	5290040.76	40.76
100%		+10	5290048.18	48.18
100%		+30	5290051.32	51.32
100%		+40	5290054.76	54.76
100%		+50	5290040.68	40.68
115%	13.8	+20	5290035.82	35.82
Batt. Endpoint	10.2	+20	5290043.28	43.28

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5530023.74	23.74
100%		-30	5530028.34	28.34
100%		-20	5530033.30	33.3
100%		-10	5530036.71	36.71
100%		0	5530041.76	41.76
100%		+10	5530048.86	48.86
100%		+30	5530052.70	52.7
100%		+40	5530055.85	55.85
100%		+50	5530041.59	41.59
115%	13.8	+20	5530037.16	37.16
Batt. Endpoint	10.2	+20	5530044.41	44.41

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: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5775024.95	24.95
100%		-30	5775028.13	28.13
100%		-20	5775033.20	33.2
100%		-10	5775037.14	37.14
100%		0	5775041.89	41.89
100%		+10	5775049.89	49.89
100%		+30	5775053.92	53.92
100%		+40	5775057.33	57.33
100%		+50	5775041.06	41.06
115%	13.8	+20	5775038.09	38.09
Batt. Endpoint	10.2	+20	5775046.06	46.06

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.

[Ant.0, 2]

160 MHz BW

OPERATING FREQUENCY: 5,250,000,000 Hz

CHANNEL: 50

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5250024.48	24.48
100%		-30	5250028.26	28.26
100%		-20	5250032.69	32.69
100%		-10	5250036.30	36.3
100%		0	5250040.09	40.09
100%		+10	5250049.46	49.46
100%		+30	5250053.18	53.18
100%		+40	5250057.52	57.52
100%		+50	5250041.39	41.39
115%	13.8	+20	5250037.15	37.15
Batt. Endpoint	10.2	+20	5250044.48	44.48

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 FREQUENCY: 5,570,000,000 Hz

CHANNEL: 114

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5570023.11	23.11
100%		-30	5570026.98	26.98
100%		-20	5570031.41	31.41
100%		-10	5570036.29	36.29
100%		0	5570041.03	41.03
100%		+10	5570049.33	49.33
100%		+30	5570053.30	53.3
100%		+40	5570058.28	58.28
100%		+50	5570040.12	40.12
115%	13.8	+20	5570035.74	35.74
Batt. Endpoint	10.2	+20	5570044.59	44.59

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.

[Ant.1, 3]

160 MHz BW

OPERATING FREQUENCY: 5,250,000,000 Hz

CHANNEL: 50

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5250024.87	24.87
100%		-30	5250029.12	29.12
100%		-20	5250033.49	33.49
100%		-10	5250036.79	36.79
100%		0	5250040.81	40.81
100%		+10	5250048.88	48.88
100%		+30	5250052.59	52.59
100%		+40	5250057.05	57.05
100%		+50	5250041.70	41.7
115%	13.8	+20	5250037.37	37.37
Batt. Endpoint	10.2	+20	5250044.38	44.38

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 FREQUENCY: 5,570,000,000 Hz

CHANNEL: 114

REFERENCE VOLTAGE: 12 VDC

Voltage	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	12	+20(Ref)	5570023.46	23.46
100%		-30	5570027.03	27.03
100%		-20	5570030.20	30.2
100%		-10	5570035.22	35.22
100%		0	5570040.25	40.25
100%		+10	5570049.82	49.82
100%		+30	5570053.15	53.15
100%		+40	5570057.26	57.26
100%		+50	5570039.98	39.98
115%	13.8	+20	5570035.02	35.02
Batt. Endpoint	10.2	+20	5570043.37	43.37

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.

9.6 RADIATED MEASUREMENT

9.6.1 RADIATED SPURIOUS EMISSIONS.

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

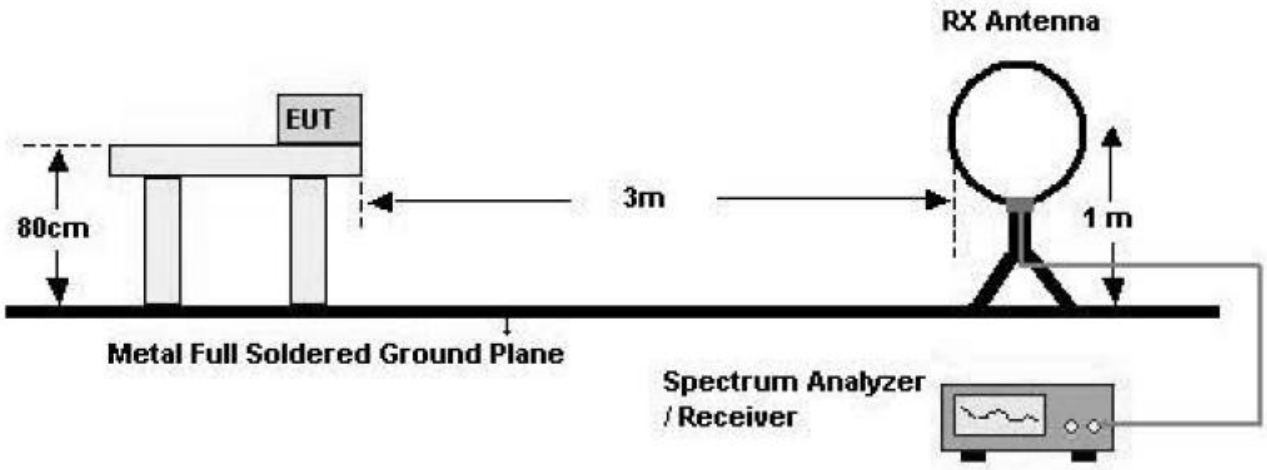
Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

▣ §15.407, KDB 789033 D02

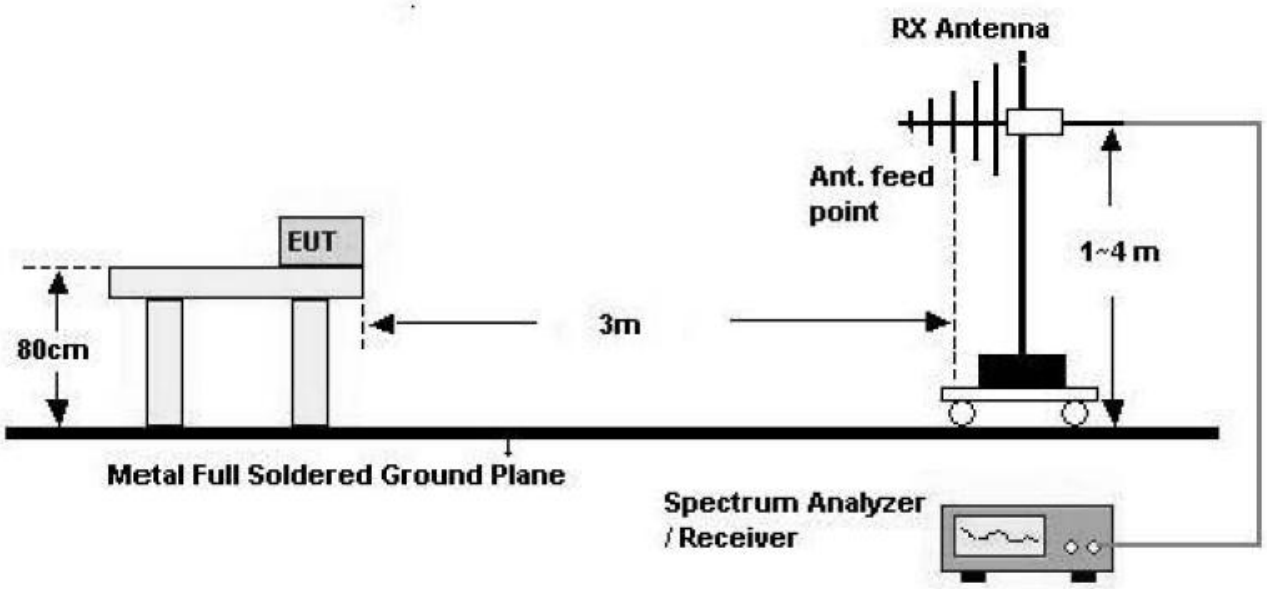
All harmonics that do not lie in a restricted band are subject to a peak limit of -27 dBm/MHz. At a distance of 3 meters the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions 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

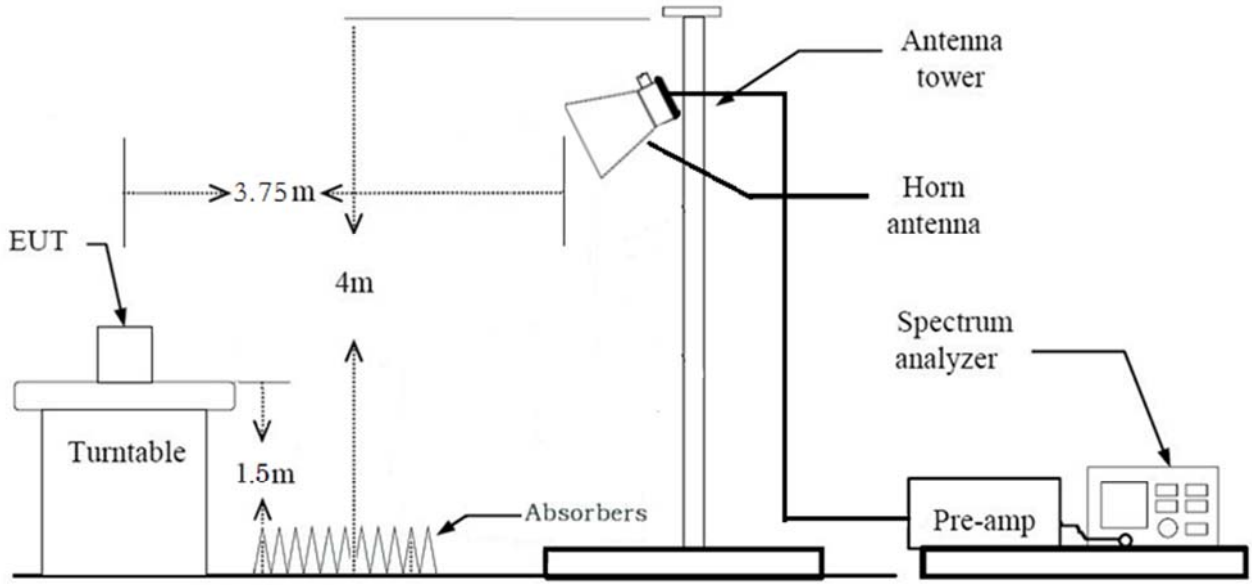
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



TEST PROCEDURE USED

ANSI C63.10:2013

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

Method G)6)d) in KDB 789033 D02 v02r01 (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, 160 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, 160
3. According to SVSWR requirement in ANSI 63.4-2014, We performed the radiated test at 3.75 m distance from center of turn table. So, we applied the distance factor(reference distance : 3 m).
4. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Mode	Worst Data rate (Mbps)	T_{on} (ms)	T_{total} (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
a	**6**	**2.064**	**2.171**	**95.062**	**485**	**1000**
n_HT20	**MCS 0**	**1.919**	**2.017**	**95.161**	**521**	**1000**
ac_VHT20	**MCS 0**	**1.928**	**1.956**	**98.545**	**519**	**1000**
n_HT40	**MCS 0**	**0.943**	**1.043**	**90.434**	**1061**	**3000**
ac_VHT40	**MCS 0**	**0.952**	**0.981**	**97.044**	**1050**	**3000**
ac_VHT80	**MCS 0**	**0.460**	**0.488**	**94.262**	**2174**	**3000**
ac_VHT160	**MCS 0**	**0.252**	**0.280**	**89.881**	**3970**	**10000**

TEST RESULTS

9 kHz – 30MHz

Operation Mode: Normal Mode

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

Notes:

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

TEST RESULTS

Below 1 GHz

Operation Mode: Normal Mode

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

Notes:

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

Above 1 GHz

[MIMO]

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	57.62	4.47	V	62.09	68.20	6.11	PK
15540	48.39	1.80	V	50.19	73.98	23.79	PK
15540	34.96	1.80	V	36.76	53.98	17.22	AV
10360	56.74	4.47	H	61.21	68.20	6.99	PK
15540	47.81	1.80	H	49.61	73.98	24.37	PK
15540	33.82	1.80	H	35.62	53.98	18.36	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	56.59	3.22	V	59.81	68.20	8.39	PK
15600	48.49	1.06	V	49.55	73.98	24.43	PK
15600	35.25	1.06	V	36.31	53.98	17.67	AV
10400	55.72	3.22	H	58.94	68.20	9.26	PK
15600	47.20	1.06	H	48.26	73.98	25.72	PK
15600	35.79	1.06	H	36.85	53.98	17.13	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	58.00	3.53	V	61.53	68.20	6.67	PK
15720	48.54	1.54	V	50.08	73.98	23.90	PK
15720	34.95	1.54	V	36.49	53.98	17.49	AV
10480	57.62	3.53	H	61.15	68.20	7.05	PK
15720	48.09	1.54	H	49.63	73.98	24.35	PK
15720	33.94	1.54	H	35.48	53.98	18.50	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	57.36	4.47	V	61.83	68.20	6.37	PK
15540	48.47	1.80	V	50.27	73.98	23.71	PK
15540	34.82	1.80	V	36.62	53.98	17.36	AV
10360	56.87	4.47	H	61.34	68.20	6.86	PK
15540	47.76	1.80	H	49.56	73.98	24.42	PK
15540	34.33	1.80	H	36.13	53.98	17.85	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	56.17	3.22	V	59.39	68.20	8.81	PK
15600	48.11	1.06	V	49.17	73.98	24.81	PK
15600	35.13	1.06	V	36.19	53.98	17.79	AV
10400	55.79	3.22	H	59.01	68.20	9.19	PK
15600	47.82	1.06	H	48.88	73.98	25.10	PK
15600	34.29	1.06	H	35.35	53.98	18.63	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	56.17	3.53	V	59.70	68.20	8.50	PK
15720	48.36	1.54	V	49.90	73.98	24.08	PK
15720	34.97	1.54	V	36.51	53.98	17.47	AV
10480	55.37	3.53	H	58.90	68.20	9.30	PK
15720	47.58	1.54	H	49.12	73.98	24.86	PK
15720	34.09	1.54	H	35.63	53.98	18.35	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	57.35	4.47	V	61.82	68.20	6.38	PK
15540	48.23	1.80	V	50.03	73.98	23.95	PK
15540	35.08	1.80	V	36.88	53.98	17.10	AV
10360	56.90	4.47	H	61.37	68.20	6.83	PK
15540	47.55	1.80	H	49.35	73.98	24.63	PK
15540	34.81	1.80	H	36.61	53.98	17.37	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	56.25	3.22	V	59.47	68.20	8.73	PK
15600	48.17	1.06	V	49.23	73.98	24.75	PK
15600	35.14	1.06	V	36.20	53.98	17.78	AV
10400	55.89	3.22	H	59.11	68.20	9.09	PK
15600	47.37	1.06	H	48.43	73.98	25.55	PK
15600	34.79	1.06	H	35.85	53.98	18.13	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	56.05	3.53	V	59.58	68.20	8.62	PK
15720	48.29	1.54	V	49.83	73.98	24.15	PK
15720	34.83	1.54	V	36.37	53.98	17.61	AV
10480	55.78	3.53	H	59.31	68.20	8.89	PK
15720	47.64	1.54	H	49.18	73.98	24.80	PK
15720	33.91	1.54	H	35.45	53.98	18.53	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 802.11ac_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	56.51	2.88	V	59.39	68.20	8.81	PK
15570	47.50	1.57	V	49.07	73.98	24.91	PK
15570	34.32	1.57	V	35.89	53.98	18.09	AV
10380	55.84	2.88	H	58.72	68.20	9.48	PK
15570	46.81	1.57	H	48.38	73.98	25.60	PK
15570	33.79	1.57	H	35.36	53.98	18.62	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	55.59	3.56	V	59.15	68.20	9.05	PK
15690	47.87	1.38	V	49.25	73.98	24.73	PK
15690	34.49	1.38	V	35.87	53.98	18.11	AV
10460	54.37	3.56	H	57.93	68.20	10.27	PK
15690	46.81	1.38	H	48.19	73.98	25.79	PK
15690	33.89	1.38	H	35.27	53.98	18.71	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_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	56.01	2.88	V	58.89	68.20	9.31	PK
15570	47.83	1.57	V	49.40	73.98	24.58	PK
15570	34.37	1.57	V	35.94	53.98	18.04	AV
10380	55.48	2.88	H	58.36	68.20	9.84	PK
15570	46.85	1.57	H	48.42	73.98	25.56	PK
15570	33.86	1.57	H	35.43	53.98	18.55	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 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	55.54	3.56	V	59.10	68.20	9.10	PK
15690	47.70	1.38	V	49.08	73.98	24.90	PK
15690	34.73	1.38	V	36.11	53.98	17.87	AV
10460	54.19	3.56	H	57.75	68.20	10.45	PK
15690	46.89	1.38	H	48.27	73.98	25.71	PK
15690	33.76	1.38	H	35.14	53.98	18.84	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (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	52.21	2.64	V	54.85	68.20	13.35	PK
15630	48.51	1.84	V	50.35	73.98	23.63	PK
15630	35.16	1.84	V	37.00	53.98	16.98	AV
10420	51.79	2.64	H	54.43	68.20	13.77	PK
15630	47.84	1.84	H	49.68	73.98	24.30	PK
15630	34.75	1.84	H	36.59	53.98	17.39	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_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	59.47	2.35	V	61.82	68.20	6.38	PK
15780	48.26	2.07	V	50.33	73.98	23.65	PK
15780	35.15	2.07	V	37.22	53.98	16.76	AV
10520	58.16	2.35	H	60.51	68.20	7.69	PK
15780	47.24	2.07	H	49.31	73.98	24.67	PK
15780	34.55	2.07	H	36.62	53.98	17.36	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	58.73	3.16	V	61.89	73.98	12.09	PK
10600	42.32	3.16	V	45.48	53.98	8.50	AV
15900	47.85	1.23	V	49.08	73.98	24.90	PK
15900	35.02	1.23	V	36.25	53.98	17.73	AV
10600	57.46	3.16	H	60.62	73.98	13.36	PK
10600	41.88	3.16	H	45.04	53.98	8.94	AV
15900	46.81	1.23	H	48.04	73.98	25.94	PK
15900	34.29	1.23	H	35.52	53.98	18.46	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 802.11a. 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	58.85	3.07	V	61.92	73.98	12.06	PK
10640	42.89	3.07	V	45.96	53.98	8.02	AV
15960	48.26	2.06	V	50.32	73.98	23.66	PK
15960	34.87	2.06	V	36.93	53.98	17.05	AV
10640	57.81	3.07	H	60.88	73.98	13.10	PK
10640	41.97	3.07	H	45.04	53.98	8.94	AV
15960	47.74	2.06	H	49.80	73.98	24.18	PK
15960	33.45	2.06	H	35.51	53.98	18.47	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. 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	58.34	2.35	V	60.69	68.20	7.51	PK
15780	48.78	2.07	V	50.85	73.98	23.13	PK
15780	34.98	2.07	V	37.05	53.98	16.93	AV
10520	57.56	2.35	H	59.91	68.20	8.29	PK
15780	47.67	2.07	H	49.74	73.98	24.24	PK
15780	33.92	2.07	H	35.99	53.98	17.99	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 802.11n_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	57.68	3.16	V	60.84	73.98	13.14	PK
10600	41.80	3.16	V	44.96	53.98	9.02	AV
15900	48.07	1.23	V	49.30	73.98	24.68	PK
15900	34.99	1.23	V	36.22	53.98	17.76	AV
10600	56.20	3.16	H	59.36	73.98	14.62	PK
10600	40.39	3.16	H	43.55	53.98	10.43	AV
15900	47.51	1.23	H	48.74	73.98	25.24	PK
15900	34.27	1.23	H	35.50	53.98	18.48	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_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	58.35	3.07	V	61.42	73.98	12.56	PK
10640	42.51	3.07	V	45.58	53.98	8.40	AV
15960	49.10	2.06	V	51.16	73.98	22.82	PK
15960	34.94	2.06	V	37.00	53.98	16.98	AV
10640	57.48	3.07	H	60.55	73.98	13.43	PK
10640	41.62	3.07	H	44.69	53.98	9.29	AV
15960	48.11	2.06	H	50.17	73.98	23.81	PK
15960	34.29	2.06	H	36.35	53.98	17.63	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_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	58.02	2.35	V	60.37	68.20	7.83	PK
15780	48.70	2.07	V	50.77	73.98	23.21	PK
15780	35.06	2.07	V	37.13	53.98	16.85	AV
10520	57.12	2.35	H	59.47	68.20	8.73	PK
15780	47.16	2.07	H	49.23	73.98	24.75	PK
15780	34.28	2.07	H	36.35	53.98	17.63	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (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	57.60	3.16	V	60.76	73.98	13.22	PK
10600	41.69	3.16	V	44.85	53.98	9.13	AV
15900	48.16	1.23	V	49.39	73.98	24.59	PK
15900	34.96	1.23	V	36.19	53.98	17.79	AV
10600	56.81	3.16	H	59.97	73.98	14.01	PK
10600	40.98	3.16	H	44.14	53.98	9.84	AV
15900	47.27	1.23	H	48.50	73.98	25.48	PK
15900	33.92	1.23	H	35.15	53.98	18.83	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 802.11ac_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	58.24	3.07	V	61.31	73.98	12.67	PK
10640	42.38	3.07	V	45.45	53.98	8.53	AV
15960	48.56	2.06	V	50.62	73.98	23.36	PK
15960	34.98	2.06	V	37.04	53.98	16.94	AV
10640	57.84	3.07	H	60.91	73.98	13.07	PK
10640	41.79	3.07	H	44.86	53.98	9.12	AV
15960	48.09	2.06	H	50.15	73.98	23.83	PK
15960	34.27	2.06	H	36.33	53.98	17.65	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_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	55.93	3.85	V	59.78	68.20	8.42	PK
15810	48.75	2.79	V	51.54	73.98	22.44	PK
15810	35.44	2.79	V	38.23	53.98	15.75	AV
10540	54.76	3.85	H	58.61	68.20	9.59	PK
15810	47.24	2.79	H	50.03	73.98	23.95	PK
15810	34.77	2.79	H	37.56	53.98	16.42	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	56.02	2.96	V	58.98	73.98	15.00	PK
10620	40.63	2.96	V	43.59	53.98	10.39	AV
15930	48.87	1.43	V	50.30	73.98	23.68	PK
15930	35.06	1.43	V	36.49	53.98	17.49	AV
10620	55.72	2.96	H	58.68	73.98	15.30	PK
10620	39.89	2.96	H	42.85	53.98	11.13	AV
15930	47.94	1.43	H	49.37	73.98	24.61	PK
15930	34.57	1.43	H	36.00	53.98	17.98	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_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	55.23	3.85	V	59.08	68.20	9.12	PK
15810	48.79	2.79	V	51.58	73.98	22.40	PK
15810	35.46	2.79	V	38.25	53.98	15.73	AV
10540	54.66	3.85	H	58.51	68.20	9.69	PK
15810	47.86	2.79	H	50.65	73.98	23.33	PK
15810	34.27	2.79	H	37.06	53.98	16.92	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 802.11ac_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	55.42	2.96	V	58.38	73.98	15.60	PK
10620	41.28	2.96	V	44.24	53.98	9.74	AV
15930	48.95	1.43	V	50.38	73.98	23.60	PK
15930	35.09	1.43	V	36.52	53.98	17.46	AV
10620	54.67	2.96	H	57.63	73.98	16.35	PK
10620	40.89	2.96	H	43.85	53.98	10.13	AV
15930	48.68	1.43	H	50.11	73.98	23.87	PK
15930	34.68	1.43	H	36.11	53.98	17.87	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	53.22	2.79	V	56.01	68.20	12.19	PK
15870	48.31	2.47	V	50.78	73.98	23.20	PK
15870	35.58	2.47	V	38.05	53.98	15.93	AV
10580	52.16	2.79	H	54.95	68.20	13.25	PK
15870	47.54	2.47	H	50.01	73.98	23.97	PK
15870	34.83	2.47	H	37.30	53.98	16.68	AV

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	55.13	3.36	V	58.49	73.98	15.49	PK
11000	40.27	3.36	V	43.63	53.98	10.35	AV
16500	47.83	5.07	V	52.90	68.20	15.30	PK
11000	55.83	3.36	H	59.19	73.98	14.79	PK
11000	40.81	3.36	H	44.17	53.98	9.81	AV
16500	48.09	5.07	H	53.16	68.20	15.04	PK

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

Notes:

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

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11200	53.86	4.02	V	57.88	73.98	16.10	PK
11200	38.99	4.02	V	43.01	53.98	10.97	AV
16800	46.77	6.06	V	52.83	68.20	15.37	PK
11200	54.73	4.02	H	58.75	73.98	15.23	PK
11200	39.80	4.02	H	43.82	53.98	10.16	AV
16800	47.32	6.06	H	53.38	68.20	14.82	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	50.44	3.57	V	54.01	73.98	19.97	PK
11440	36.80	3.57	V	40.37	53.98	13.61	AV
17160	45.74	5.24	V	50.98	68.20	17.22	PK
11440	51.24	3.57	H	54.81	73.98	19.17	PK
11440	37.20	3.57	H	40.77	53.98	13.21	AV
17160	46.31	5.24	H	51.55	68.20	16.65	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	53.67	3.36	V	57.03	73.98	16.95	PK
11000	38.28	3.36	V	41.64	53.98	12.34	AV
16500	46.92	5.07	V	51.99	68.20	16.21	PK
11000	54.08	3.36	H	57.44	73.98	16.54	PK
11000	39.31	3.36	H	42.67	53.98	11.31	AV
16500	47.62	5.07	H	52.69	68.20	15.51	PK

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

Notes:

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

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11200	54.28	4.02	V	58.30	73.98	15.68	PK
11200	39.76	4.02	V	43.78	53.98	10.20	AV
16800	46.81	6.06	V	52.87	68.20	15.33	PK
11200	55.53	4.02	H	59.55	73.98	14.43	PK
11200	40.03	4.02	H	44.05	53.98	9.93	AV
16800	47.22	6.06	H	53.28	68.20	14.92	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	51.07	3.57	V	54.64	73.98	19.34	PK
11440	36.84	3.57	V	40.41	53.98	13.57	AV
17160	46.09	5.24	V	51.33	68.20	16.87	PK
11440	51.41	3.57	H	54.98	73.98	19.00	PK
11440	37.22	3.57	H	40.79	53.98	13.19	AV
17160	46.60	5.24	H	51.84	68.20	16.36	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.19	3.36	V	57.55	73.98	16.43	PK
11000	39.67	3.36	V	43.03	53.98	10.95	AV
16500	47.52	5.07	V	52.59	68.20	15.61	PK
11000	54.68	3.36	H	58.04	73.98	15.94	PK
11000	40.17	3.36	H	43.53	53.98	10.45	AV
16500	48.19	5.07	H	53.26	68.20	14.94	PK

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

Notes:

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

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11200	37.86	4.02	V	41.88	73.98	32.10	PK
11200	38.34	4.02	V	42.36	53.98	11.62	AV
16800	46.81	6.06	V	52.87	68.20	15.33	PK
11200	54.99	4.02	H	59.01	73.98	14.97	PK
11200	39.72	4.02	H	43.74	53.98	10.24	AV
16800	47.30	6.06	H	53.36	68.20	14.84	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	50.91	3.57	V	54.48	73.98	19.50	PK
11440	36.13	3.57	V	39.70	53.98	14.28	AV
17160	46.10	5.24	V	51.34	68.20	16.86	PK
11440	51.88	3.57	H	55.45	73.98	18.53	PK
11440	37.06	3.57	H	40.63	53.98	13.35	AV
17160	46.70	5.24	H	51.94	68.20	16.26	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	51.79	2.97	V	54.76	73.98	19.22	PK
11020	38.46	2.97	V	41.43	53.98	12.55	AV
16530	47.07	4.15	V	51.22	68.20	16.98	PK
11020	52.72	2.97	H	55.69	73.98	18.29	PK
11020	38.77	2.97	H	41.74	53.98	12.24	AV
16530	47.55	4.15	H	51.70	68.20	16.50	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	51.22	2.79	V	54.01	73.98	19.97	PK
11100	38.44	2.79	V	41.23	53.98	12.75	AV
16650	47.11	7.19	V	54.30	68.20	13.90	PK
11100	52.10	2.79	H	54.89	73.98	19.09	PK
11100	38.87	2.79	H	41.66	53.98	12.32	AV
16650	48.42	7.19	H	55.61	68.20	12.59	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	49.72	3.36	V	53.08	73.98	20.90	PK
11420	36.11	3.36	V	39.47	53.98	14.51	AV
17130	47.54	7.02	V	54.56	68.20	13.64	PK
11420	50.09	3.36	H	53.45	73.98	20.53	PK
11420	36.90	3.36	H	40.26	53.98	13.72	AV
17130	48.06	7.02	H	55.08	68.20	13.12	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	52.16	2.97	V	55.13	73.98	18.85	PK
11020	38.79	2.97	V	41.76	53.98	12.22	AV
16530	47.69	4.15	V	51.84	68.20	16.36	PK
11020	53.54	2.97	H	56.51	73.98	17.47	PK
11020	39.20	2.97	H	42.17	53.98	11.81	AV
16530	48.15	4.15	H	52.30	68.20	15.90	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	51.70	2.79	V	54.49	73.98	19.49	PK
11100	38.43	2.79	V	41.22	53.98	12.76	AV
16650	47.97	7.19	V	55.16	68.20	13.04	PK
11100	52.77	2.79	H	55.56	73.98	18.42	PK
11100	38.95	2.79	H	41.74	53.98	12.24	AV
16650	48.67	7.19	H	55.86	68.20	12.34	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.

   7. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss – Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	49.76	3.36	V	53.12	73.98	20.86	PK
11420	35.68	3.36	V	39.04	53.98	14.94	AV
17130	47.81	7.02	V	54.83	68.20	13.37	PK
11420	50.42	3.36	H	53.78	73.98	20.20	PK
11420	36.95	3.36	H	40.31	53.98	13.67	AV
17130	48.06	7.02	H	55.08	68.20	13.12	PK

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

   8. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss – Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	49.82	3.46	V	53.28	73.98	20.70	PK
11060	36.70	3.46	V	40.16	53.98	13.82	AV
16590	47.01	4.11	V	51.12	68.20	17.08	PK
11060	50.47	3.46	H	53.93	73.98	20.05	PK
11060	37.06	3.46	H	40.52	53.98	13.46	AV
16590	47.53	4.11	H	51.64	68.20	16.56	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.

   9. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss – Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	49.14	3.41	V	52.55	73.98	21.43	PK
11380	35.46	3.41	V	38.87	53.98	15.11	AV
17070	46.77	5.78	V	52.55	68.20	15.65	PK
11380	49.57	3.41	H	52.98	73.98	21.00	PK
11380	36.26	3.41	H	39.67	53.98	14.31	AV
17070	47.64	5.78	H	53.42	68.20	14.78	PK

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

10. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.

4. Total = Reading Value + Antenna Factor + Cable Loss – Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	48.50	2.87	V	51.37	73.98	22.61	PK
11490	35.14	2.87	V	38.01	53.98	15.97	AV
17235	47.08	7.44	V	54.52	68.20	13.69	PK
11490	47.84	2.51	H	50.35	73.98	23.63	PK
11490	35.00	2.51	H	37.51	53.98	16.47	AV
17235	46.89	7.44	H	54.33	68.20	13.88	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	49.14	2.48	V	51.62	73.98	22.36	PK
11570	35.50	2.48	V	37.98	53.98	16.00	AV
17355	47.69	7.86	V	55.55	68.20	12.66	PK
11570	48.27	2.48	H	50.75	73.98	23.23	PK
11570	34.86	2.48	H	37.34	53.98	16.64	AV
17355	46.76	7.86	H	54.62	68.20	13.59	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	49.96	3.24	V	53.20	73.98	20.78	PK
11650	36.47	3.24	V	39.71	53.98	14.27	AV
17475	48.72	8.14	V	56.86	68.20	11.35	PK
11650	48.99	3.24	H	52.23	73.98	21.75	PK
11650	35.79	3.24	H	39.03	53.98	14.95	AV
17475	47.84	8.14	H	55.98	68.20	12.23	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	48.60	2.87	V	51.47	73.98	22.51	PK
11490	35.15	2.87	V	38.02	53.98	15.96	AV
17235	47.60	7.44	V	55.04	68.20	13.17	PK
11490	47.85	2.51	H	50.36	73.98	23.62	PK
11490	34.55	2.51	H	37.06	53.98	16.92	AV
17235	46.94	7.44	H	54.38	68.20	13.83	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	48.84	2.48	V	51.32	73.98	22.66	PK
11570	35.54	2.48	V	38.02	53.98	15.96	AV
17355	48.03	7.86	V	55.89	68.20	12.32	PK
11570	47.81	2.48	H	50.29	73.98	23.69	PK
11570	34.69	2.48	H	37.17	53.98	16.81	AV
17355	47.22	7.86	H	55.08	68.20	13.13	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	49.87	3.24	V	53.11	73.98	20.87	PK
11650	36.47	3.24	V	39.71	53.98	14.27	AV
17475	49.22	8.14	V	57.36	68.20	10.85	PK
11650	48.77	3.24	H	52.01	73.98	21.97	PK
11650	35.98	3.24	H	39.22	53.98	14.76	AV
17475	48.29	8.14	H	56.43	68.20	11.78	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	48.61	2.87	V	51.48	73.98	22.50	PK
11490	35.27	2.87	V	38.14	53.98	15.84	AV
17235	47.44	7.44	V	54.88	68.20	13.33	PK
11490	47.28	2.51	H	49.79	73.98	24.19	PK
11490	34.11	2.51	H	36.62	53.98	17.36	AV
17235	46.81	7.44	H	54.25	68.20	13.96	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	49.41	2.48	V	51.89	73.98	22.09	PK
11570	35.49	2.48	V	37.97	53.98	16.01	AV
17355	47.84	7.86	V	55.70	68.20	12.51	PK
11570	48.73	2.48	H	51.21	73.98	22.77	PK
11570	34.79	2.48	H	37.27	53.98	16.71	AV
17355	46.54	7.86	H	54.40	68.20	13.81	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	49.78	3.24	V	53.02	73.98	20.96	PK
11650	36.04	3.24	V	39.28	53.98	14.70	AV
17475	48.34	8.14	V	56.48	68.20	11.73	PK
11650	48.99	3.24	H	52.23	73.98	21.75	PK
11650	35.72	3.24	H	38.96	53.98	15.02	AV
17475	48.07	8.14	H	56.21	68.20	12.00	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	49.85	2.90	V	52.75	73.98	21.23	PK
11510	35.96	2.90	V	38.86	53.98	15.12	AV
17265	48.94	6.80	V	55.74	68.20	12.46	PK
11510	49.41	2.90	H	52.31	73.98	21.67	PK
11510	35.77	2.90	H	38.67	53.98	15.31	AV
17265	48.22	6.80	H	55.02	68.20	13.18	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	49.31	3.72	V	53.03	73.98	20.95	PK
11590	35.40	3.72	V	39.12	53.98	14.86	AV
17385	48.87	7.21	V	56.08	68.20	12.13	PK
11590	48.24	3.72	H	51.96	73.98	22.02	PK
11590	34.55	3.72	H	38.27	53.98	15.71	AV
17385	47.92	7.21	H	55.13	68.20	13.08	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	49.69	2.90	V	52.59	73.98	21.39	PK
11510	35.24	2.90	V	38.14	53.98	15.84	AV
17265	48.53	6.80	V	55.33	68.20	12.87	PK
11510	48.74	2.90	H	51.64	73.98	22.34	PK
11510	34.22	2.90	H	37.12	53.98	16.86	AV
17265	47.50	6.80	H	54.30	68.20	13.90	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	49.58	3.72	V	53.30	73.98	20.68	PK
11590	35.45	3.72	V	39.17	53.98	14.81	AV
17385	48.38	7.21	V	55.59	68.20	12.62	PK
11590	48.79	3.72	H	52.51	73.98	21.47	PK
11590	34.86	3.72	H	38.58	53.98	15.40	AV
17385	47.88	7.21	H	55.09	68.20	13.12	PK

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

Notes:

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

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

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	48.33	3.32	V	51.65	73.98	22.33	PK
11550	35.09	3.32	V	38.41	53.98	15.57	AV
17325	48.65	8.09	V	56.74	68.20	11.47	PK
11550	47.46	3.32	H	50.78	73.98	23.20	PK
11550	34.72	3.32	H	38.04	53.98	15.94	AV
17325	47.99	8.09	H	56.08	68.20	12.13	PK

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

Notes:

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

Operation Mode:	802.11ac_VHT160
Transfer MCS Index:	0
Operating Frequency	5250 MHz
Channel No.	50 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10500	49.15	2.46	V	51.61	68.20	16.59	PK
15750	48.40	3.18	V	51.58	73.98	22.40	PK
15750	35.28	3.18	V	38.46	53.98	15.52	AV

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

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT160. Worst case is MCS0 in 802.11ac_VHT160.
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)

Operation Mode:	802.11ac_VHT160
Transfer MCS Index:	0
Operating Frequency	5570 MHz
Channel No.	114 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11140	49.38	3.21	V	52.59	73.98	21.39	PK
11140	35.83	3.21	V	39.04	53.98	14.94	AV
16710	47.31	5.97	V	53.28	68.20	14.92	PK

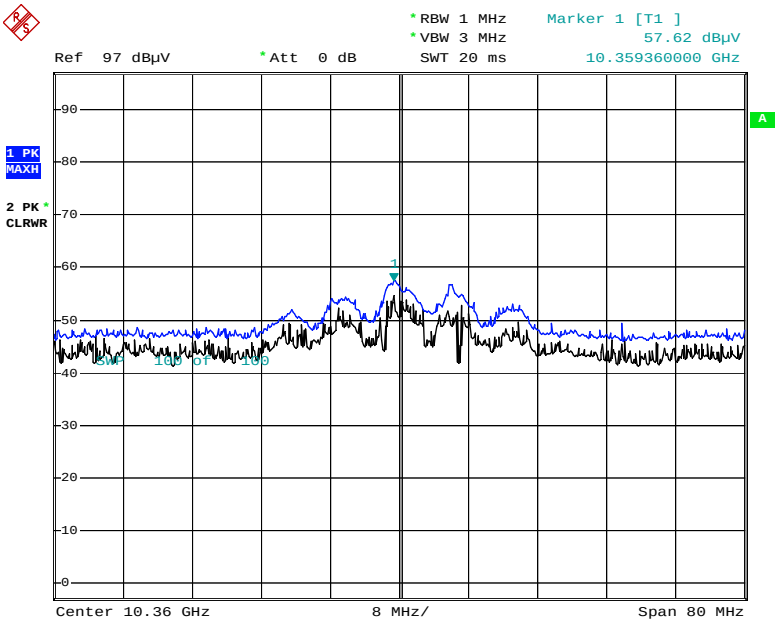
*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT160. Worst case is MCS0 in 802.11ac_VHT160.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

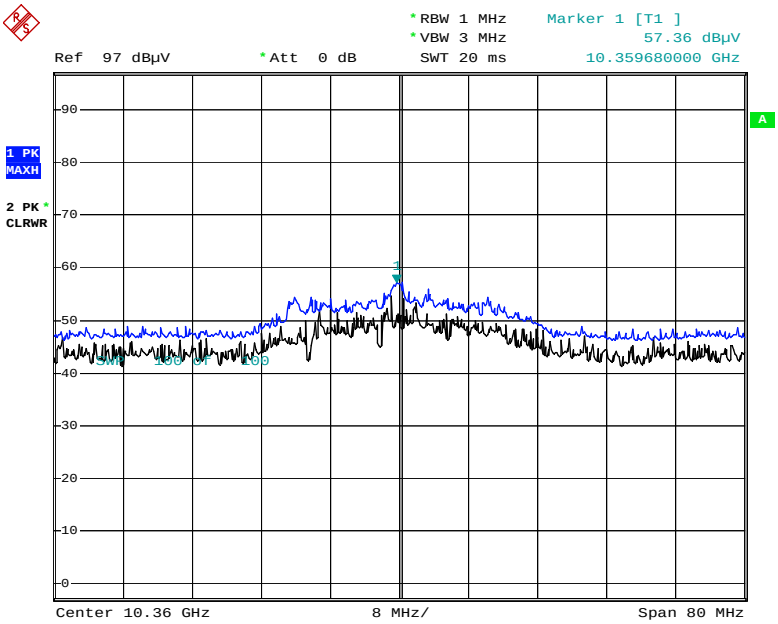
▣ RESULT PLOTS

Radiated Spurious Emissions plot – Peak Reading (802.11a, Ch.36 2nd Harmonic, Ant 90-V)



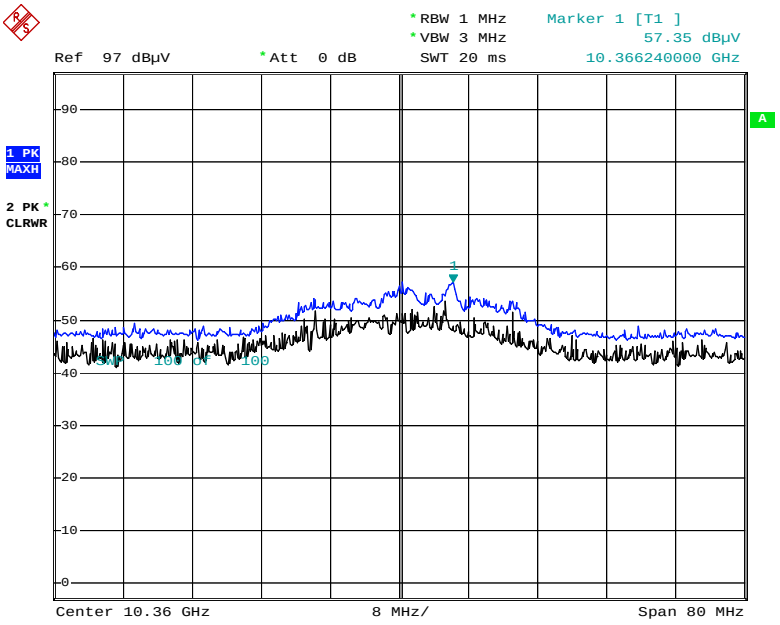
Date: 4.APR.2018 08:01:11

Radiated Spurious Emissions plot – Peak Reading (802.11n_HT20, Ch.36 2nd Harmonic, Ant 90-V)



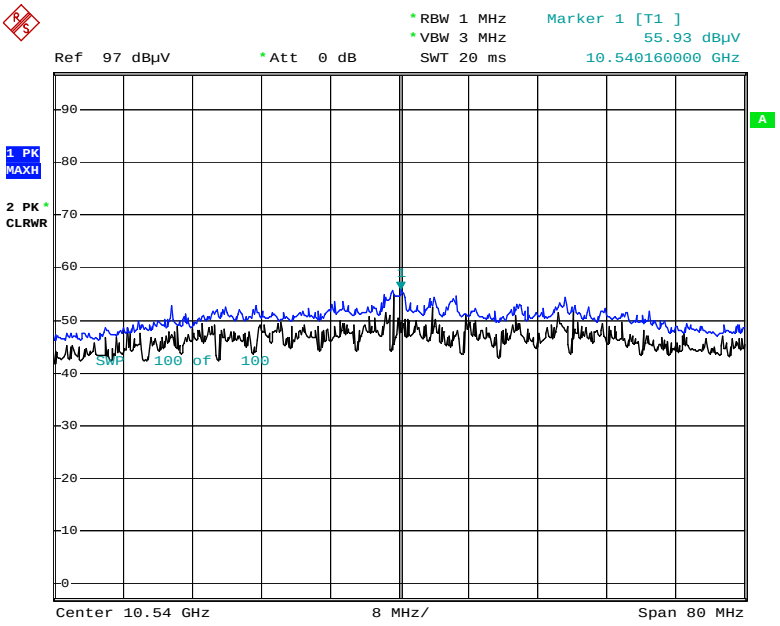
Date: 4.APR.2018 08:02:31

Radiated Spurious Emissions plot – Peak Reading (802.11ac_VHT20, Ch.36 2nd Harmonic, Ant 90-V)



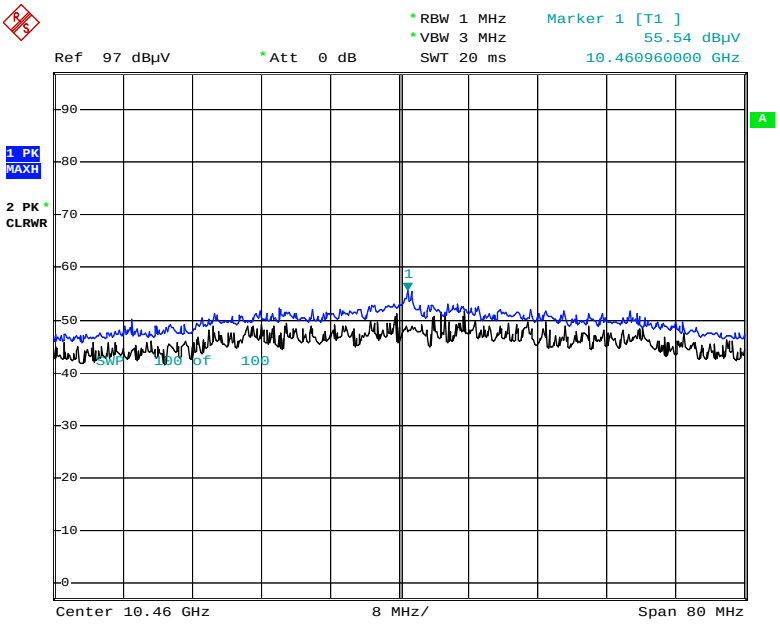
Date: 4.APR.2018 08:04:09

Radiated Spurious Emissions plot –Peak Reading (802.11n_HT40, Ch.54 2nd Harmonic, Ant 0-V)



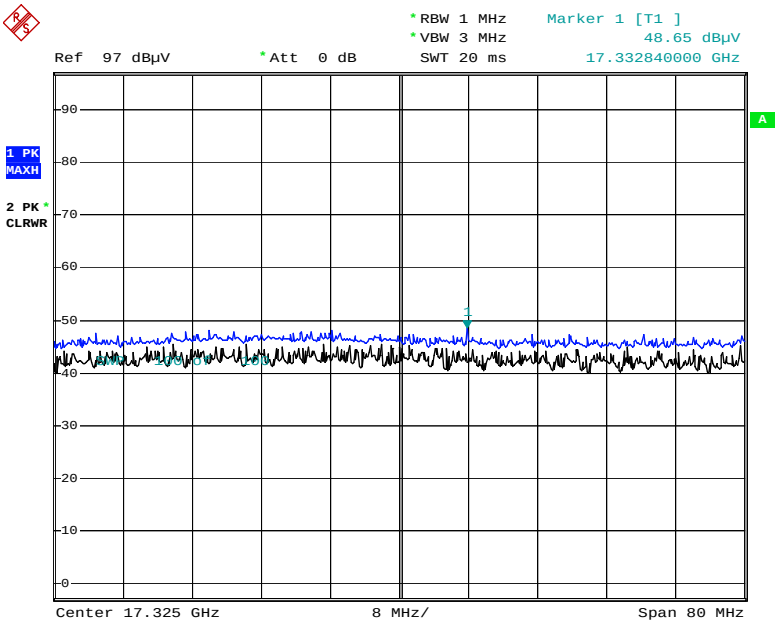
Date: 4.APR.2018 08:10:19

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT40, Ch.46 2nd Harmonic, Ant 90-V)



Date: 4.APR.2018 08:07:08

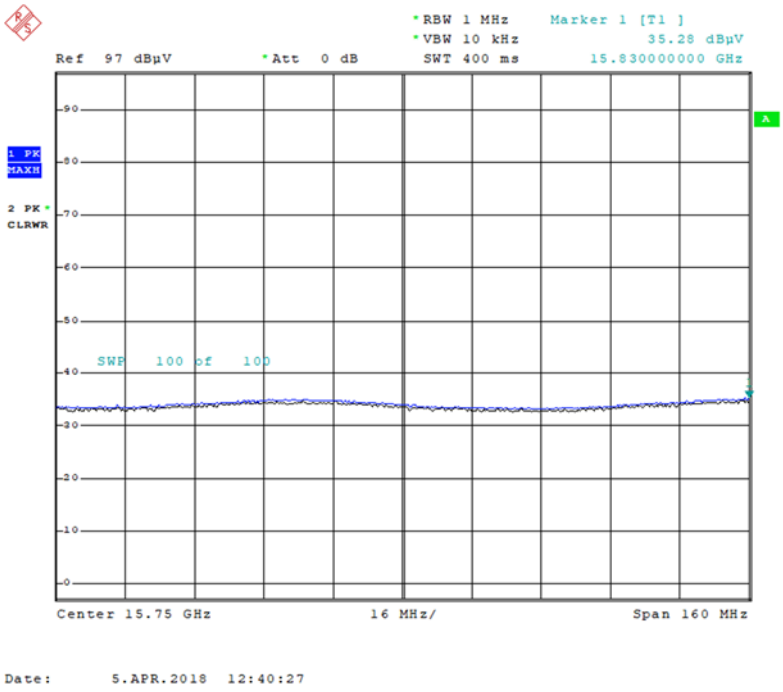
Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT80, Ch.155 3rd Harmonic, Ant 0-V)



Date: 4.APR.2018 08:12:51

Note : Only the worst case plots for Radiated Spurious Emissions.

Radiated Spurious Emissions plot –Average Reading (802.11ac_VHT160, Ch.50 3rd Harmonic, V)



Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT160, Ch.50 3rd Harmonic, V)