5 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
OPERATING FREQUENCY: 5,210,000,000 Hz
CHANNEL: 42
REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210034.27	34.27
100%		-30	5210057.18	57.18
100%		-20	5210049.70	49.70
100%		-10	5210044.08	44.08
100%		0	5210039.84	39.84
100%		+10	5210035.79	35.79
100%		+30	5210036.79	36.79
100%		+40	5210045.86	45.86
100%		+50	5210051.40	51.40
Low	3.75	+20	5210051.73	51.73
High	4.35	+20	5210049.02	49.02

Note:

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

OPERATING BAND: UNII Band 2A
OPERATING FREQUENCY: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290035.46	35.46
100%		-30	5290058.47	58.47
100%		-20	5290051.65	51.65
100%		-10	5290045.37	45.37
100%		0	5290042.00	42.00
100%		+10	5290039.84	39.84
100%		+30	5290038.64	38.64
100%		+40	5290047.29	47.29
100%		+50	5290051.97	51.97
Low	3.75	+20	5290053.78	53.78
High	4.35	+20	5290049.93	49.93

Note:

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

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,530,000,000 Hz
CHANNEL: 106
REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530036.01	36.01
100%		-30	5530058.93	58.93
100%		-20	5530051.22	51.22
100%		-10	5530045.78	45.78
100%		0	5530042.55	42.55
100%		+10	5530039.85	39.85
100%		+30	5530038.24	38.24
100%		+40	5530048.10	48.10
100%		+50	5530054.11	54.11
Low	3.75	+20	5530053.00	53.00
High	4.35	+20	5530050.49	50.49

Note:

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

OPERATING BAND: UNII Band 3
OPERATING FREQUENCY: 5,775,000,000 Hz
CHANNEL: 155
REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775035.46	35.46
100%		-30	5775060.06	60.06
100%		-20	5775051.98	51.98
100%		-10	5775046.06	46.06
100%		0	5775042.64	42.64
100%		+10	5775040.11	40.11
100%		+30	5775039.43	39.43
100%		+40	5775046.97	46.97
100%		+50	5775052.41	52.41
Low	3.75	+20	5775053.02	53.02
High	4.35	+20	5775050.77	50.77

Note:

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

10 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
OPERATING FREQUENCY: 5,210,000,000 Hz
CHANNEL: 42
REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210035.67	35.67
100%		-30	5210059.80	59.80
100%		-20	5210052.83	52.83
100%		-10	5210046.40	46.40
100%		0	5210041.97	41.97
100%		+10	5210038.62	38.62
100%		+30	5210038.64	38.64
100%		+40	5210048.01	48.01
100%		+50	5210051.99	51.99
Low	3.75	+20	5210054.69	54.69
High	4.35	+20	5210049.88	49.88

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: 5,290,000,000 Hz
CHANNEL: 58
REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290036.64	36.64
100%		-30	5290061.13	61.13
100%		-20	5290054.27	54.27
100%		-10	5290047.90	47.90
100%		0	5290043.55	43.55
100%		+10	5290040.06	40.06
100%		+30	5290040.41	40.41
100%		+40	5290050.93	50.93
100%		+50	5290056.12	56.12
Low	3.75	+20	5290054.45	54.45
High	4.35	+20	5290052.19	52.19

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during 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: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530038.96	38.96
100%		-30	5530062.52	62.52
100%		-20	5530056.12	56.12
100%		-10	5530050.01	50.01
100%		0	5530045.16	45.16
100%		+10	5530042.94	42.94
100%		+30	5530041.11	41.11
100%		+40	5530050.24	50.24
100%		+50	5530055.99	55.99
Low	3.75	+20	5530056.21	56.21
High	4.35	+20	5530054.24	54.24

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: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775038.90	38.90
100%		-30	5775063.63	63.63
100%		-20	5775055.65	55.65
100%		-10	5775048.60	48.60
100%		0	5775045.30	45.30
100%		+10	5775042.91	42.91
100%		+30	5775041.60	41.60
100%		+40	5775052.13	52.13
100%		+50	5775057.04	57.04
Low	3.75	+20	5775056.99	56.99
High	4.35	+20	5775054.01	54.01

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.

10.7 STRADDLE CHANNEL

10.7.1 26dB Bandwidth

[ANT1]

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11a	UNII 2C	5720	144	5710.52	14.48
802.11n(HT20)				5710.08	14.92
802.11ac(VHT20)				5709.96	15.04
802.11a	UNII 3	5720	144	5729.44	4.44
802.11n(HT20)				5729.88	4.88
802.11ac(VHT20)				5729.92	4.92

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	5690.00	35.00
802.11ac(VHT40)				5690.32	34.68
802.11n(HT40)	UNII 3	5710	142	5729.84	4.84
802.11ac(VHT40)				5729.92	4.92

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11ac(VHT80)	UNII 2C	5690	138	5649.80	75.20
	UNII 3	5690	138	5730.56	5.56

Note:

[UNII 2C] 26dB Bandwidth = 5725MHz - Measured Frequency[MHz]

[UNII 3C] 26dB Bandwidth = Measured Frequency[MHz] -5725MHz

[ANT2]

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11a	UNII 2C	5720	144	5710.56	14.44
802.11n(HT20)				5710.00	15.00
802.11ac(VHT20)				5710.16	14.84
802.11a	UNII 3	5720	144	5729.40	4.40
802.11n(HT20)				5729.88	4.88
802.11ac(VHT20)				5729.84	4.84

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	5690.24	34.76
802.11ac(VHT40)				5690.24	34.76
802.11n(HT40)	UNII 3	5710	142	5729.76	4.76
802.11ac(VHT40)				5729.76	4.76

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11ac(VHT80)	UNII 2C	5690	138	5650.16	74.84
	UNII 3	5690	138	5730.56	5.56

Note:

[UNII 2C] 26dB Bandwidth = 5725MHz - Measured Frequency[MHz]

[UNII 3C] 26dB Bandwidth = Measured Frequency[MHz] -5725MHz

[ANT1]

▣ Test Plots (26dB Bandwidth)

802.11a UNII Band	802.11n(HT20) UNII Band

802.11ac(VHT20) UNII Band

▣ Test Plots (26dB Bandwidth)

802.11n(HT40) UNII Band	802.11ac(VHT40) UNII Band

802.11ac(VHT80) UNII Band

[ANT2]

▣ Test Plots (26dB Bandwidth)

802.11a UNII Band	802.11n(HT20) UNII Band

802.11ac(VHT20) UNII Band

▣ Test Plots (26dB Bandwidth)

802.11n(HT40) UNII Band	802.11ac(VHT40) UNII Band

802.11ac(VHT80) UNII Band

10.7.2 6dB Bandwidth

[ANT1]

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11a	UNII 3	5720	144	5727.55	2.55	> 0.5
802.11n(HT20)				5727.53	2.53	> 0.5
802.11ac(VHT20)				5727.54	2.54	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5727.56	2.56	> 0.5
802.11ac(VHT40)				5727.56	2.56	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5727.64	2.64	> 0.5

Note:

6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

[ANT2]

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11a	UNII 3	5720	144	5727.56	2.56	> 0.5
802.11n(HT20)				5727.54	2.54	> 0.5
802.11ac(VHT20)				5727.55	2.55	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5727.55	2.55	> 0.5
802.11ac(VHT40)				5727.56	2.56	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5727.63	2.63	> 0.5

Note:

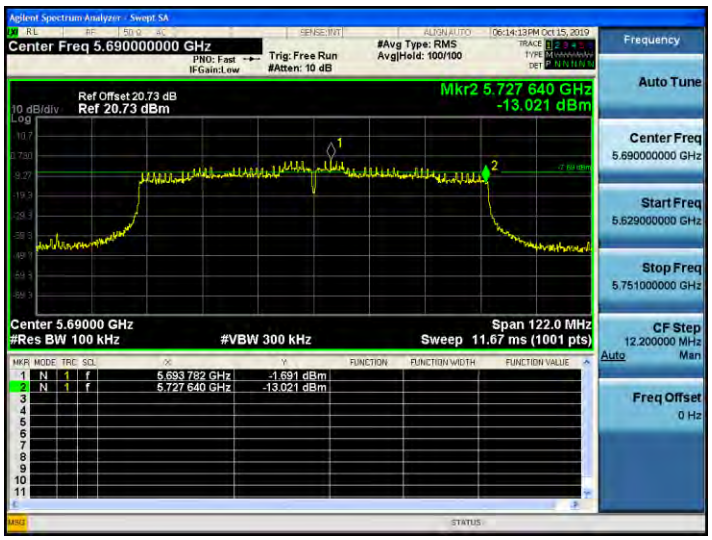
6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

[ANT1]

▣ Test Plots(UNII 3 Band 6dB Bandwidth)

802.11a CH.144	802.11n_HT20 CH.144
802.11ac_VHT20 CH.144	

802.11n_HT40 CH.142	802.11ac_VHT40 CH.142

802.11ac_VHT80 CH.138


[ANT2]

▣ Test Plots(UNII 3 Band 6dB Bandwidth)

802.11a CH.144	802.11n_HT20 CH.144

802.11ac_VHT20 CH.144

802.11n_HT40 CH.142	802.11ac_VHT40 CH.142

802.11ac_VHT80 CH.138

10.7.3 Output Power

[ANT1]

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	14.65	0.412	15.06	22.61
802.11n(HT20)			14.57	0.425	15.00	22.74
802.11ac(VHT20)			14.54	0.412	14.95	22.77
802.11a	5720 (UNII 3 Band)	144	6.33	0.412	6.74	30.00
802.11n(HT20)			6.68	0.425	7.11	30.00
802.11ac(VHT20)			6.71	0.412	7.12	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	13.73	0.731	14.46	23.98
802.11ac(VHT40)			13.74	0.718	14.46	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	1.03	0.731	1.76	30.00
802.11ac(VHT40)			1.03	0.718	1.75	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	10.55	1.180	11.73	23.98
	5690 (UNII 3 Band)	138	-5.07	1.180	-3.89	30.00

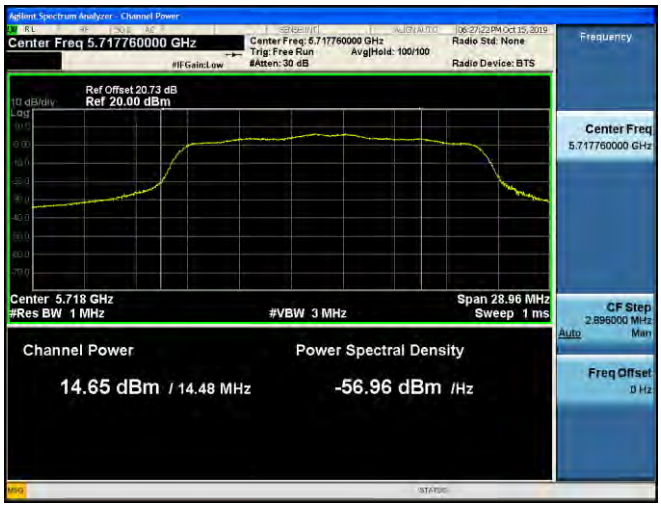
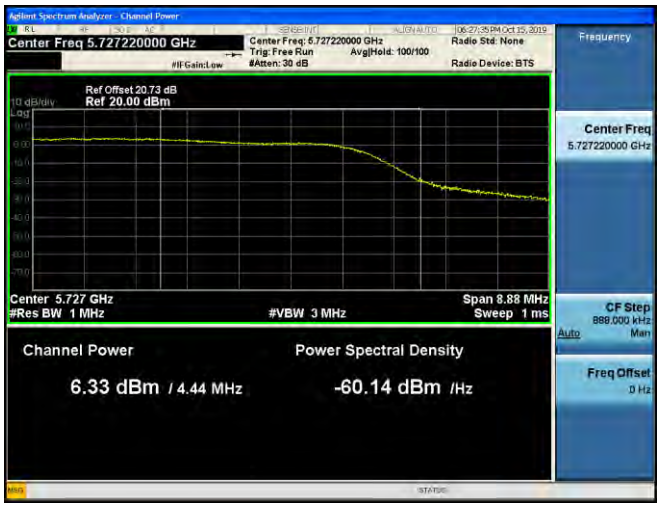
[ANT2]

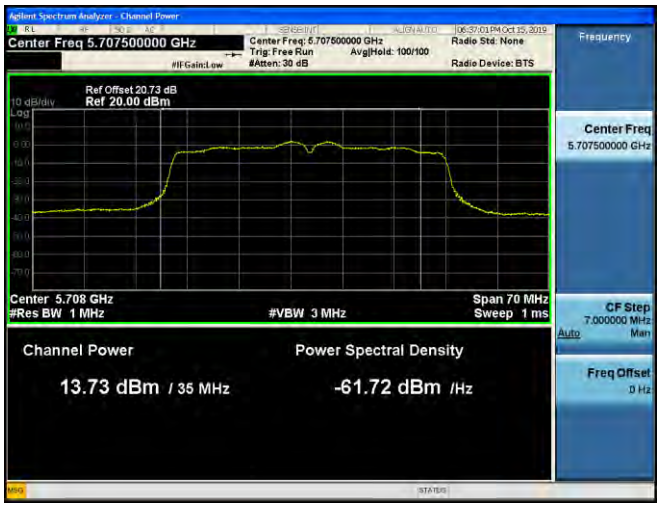
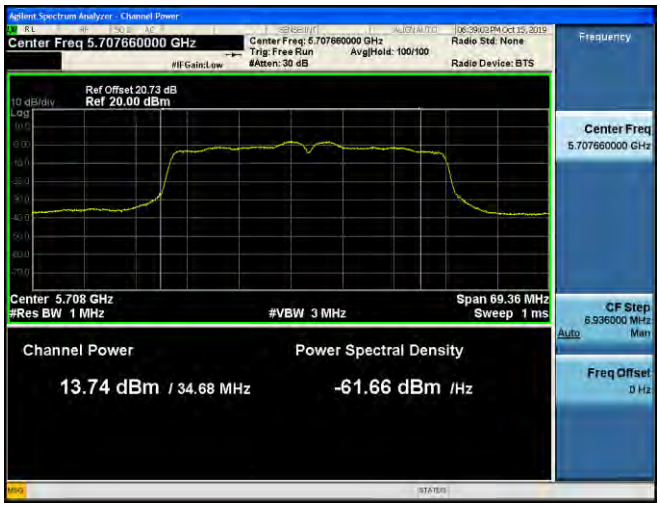
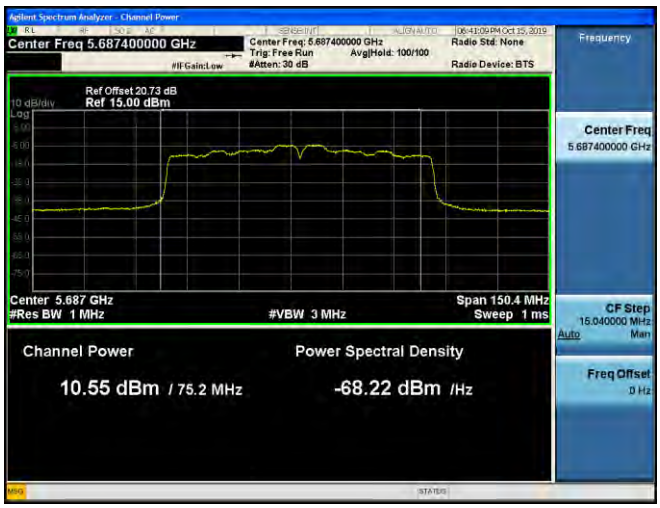
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	15.59	0.412	16.00	22.60
802.11n(HT20)			15.35	0.425	15.78	22.76
802.11ac(VHT20)			15.32	0.412	15.73	22.71
802.11a	5720 (UNII 3 Band)	144	7.18	0.412	7.59	30.00
802.11n(HT20)			7.53	0.425	7.96	30.00
802.11ac(VHT20)			7.55	0.412	7.96	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	14.66	0.731	15.39	23.98
802.11ac(VHT40)			14.70	0.718	15.42	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	1.87	0.731	2.60	30.00
802.11ac(VHT40)			1.94	0.718	2.66	30.00

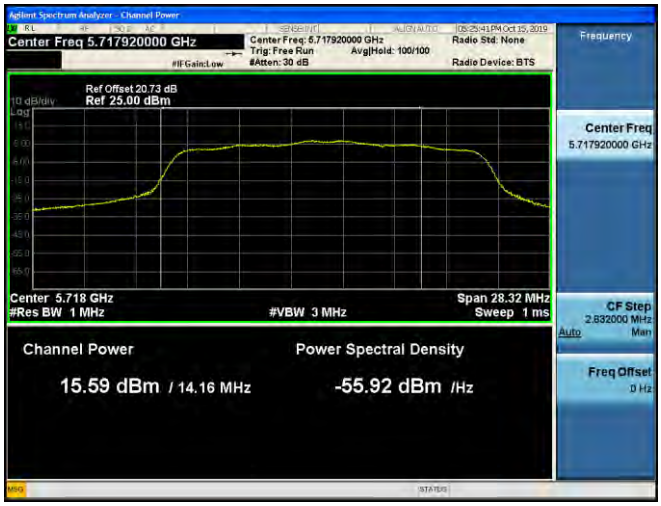
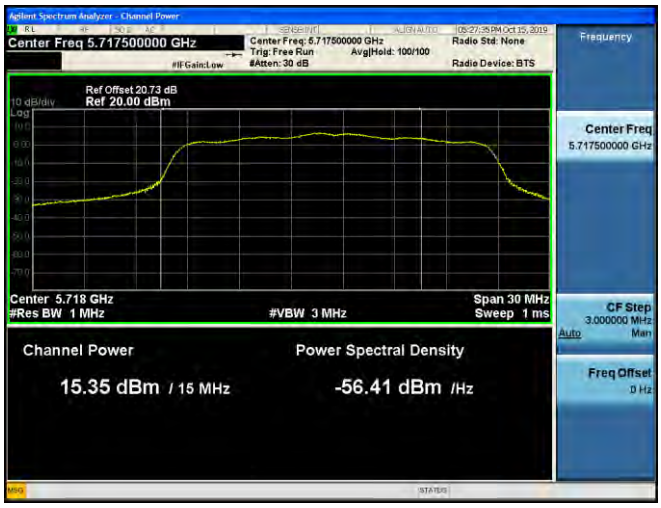
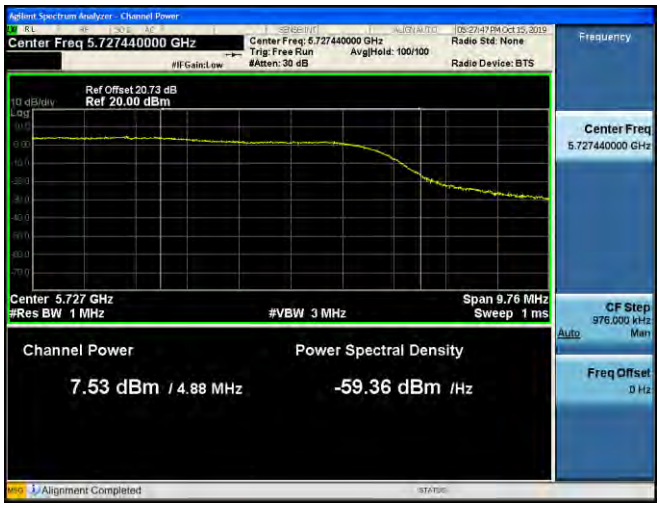
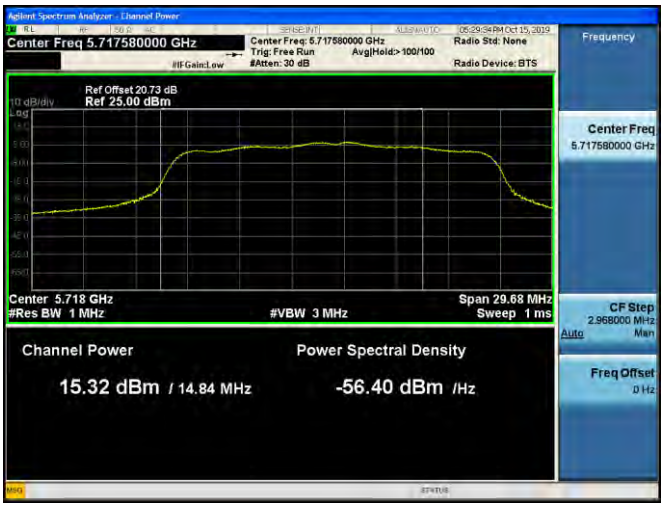
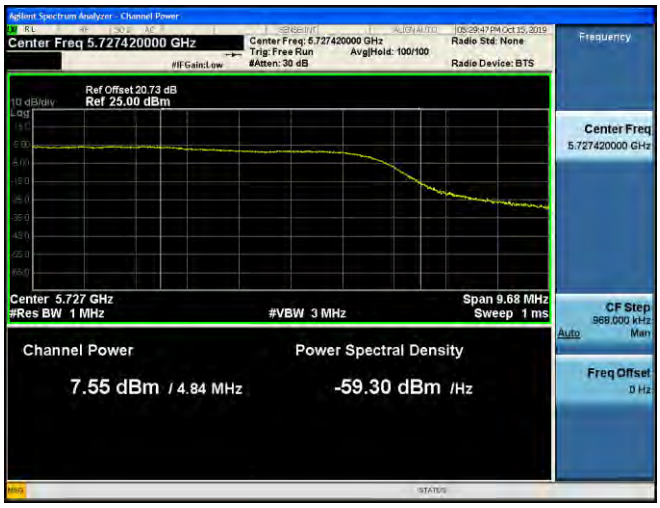
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	11.28	1.180	12.46	23.98
	5690 (UNII 3 Band)	138	-4.47	1.180	-3.29	30.00

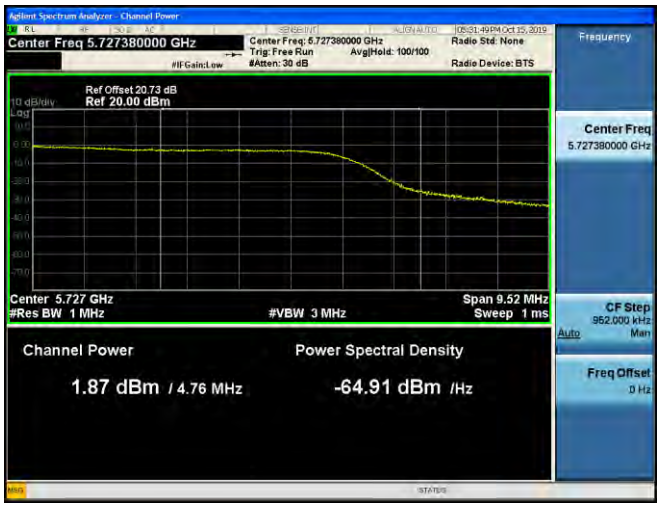
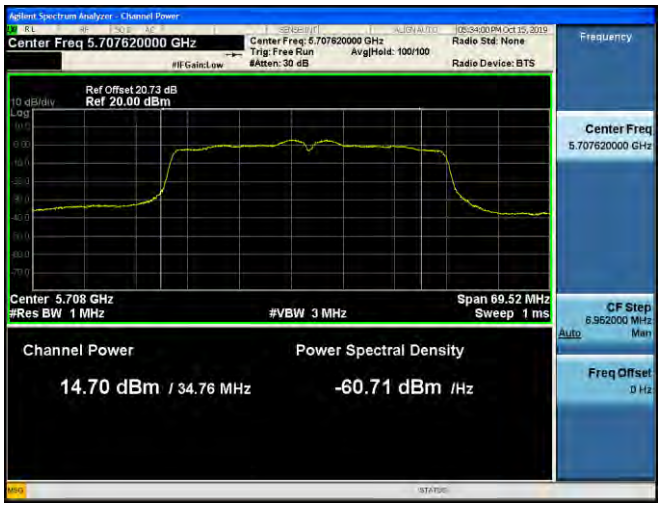
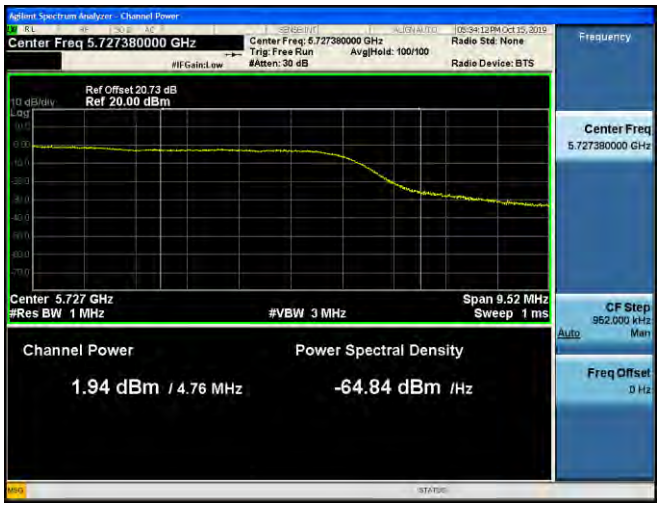
▣ Test Plots_[ANT1]

802.11a UNII 2C Band	802.11a UNII 3 Band
	
802.11n(HT20) UNII 2C Band	**802.11n(HT20) UNII 3 Band**
802.11ac(VHT20) UNII 2C Band	**802.11ac(VHT20) UNII 3 Band**

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
	
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
	
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**
	

▣ Test Plots_[ANT2]

802.11a UNII 2C Band	802.11a UNII 3 Band
	
802.11n(HT20) UNII 2C Band	**802.11n(HT20) UNII 3 Band**
	
802.11ac(VHT20) UNII 2C Band	**802.11ac(VHT20) UNII 3 Band**
	

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
	
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
	
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**

10.7.4 Power Spectral Density

[ANT1]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	6.368	0.412	6.780	11.00
802.11n(HT20)			6.128	0.425	6.553	11.00
802.11ac(VHT20)			5.904	0.412	6.316	11.00
802.11a	5720 (UNII 3 Band)	144	0.734	0.412	1.146	30.00
802.11n(HT20)			0.535	0.425	0.960	30.00
802.11ac(VHT20)			0.410	0.412	0.822	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	1.944	0.731	2.675	11.00
802.11ac(VHT40)			2.152	0.718	2.870	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-6.553	0.731	-5.822	30.00
802.11ac(VHT40)			-6.295	0.718	-5.577	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-3.737	1.180	-2.557	11.00
	5690 (UNII 3 Band)	138	-12.387	1.180	-11.207	30.00

[ANT2]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	7.503	0.412	7.915	11.00
802.11n(HT20)			6.781	0.425	7.206	11.00
802.11ac(VHT20)			6.880	0.412	7.292	11.00
802.11a	5720 (UNII 3 Band)	144	1.570	0.412	1.982	30.00
802.11n(HT20)			1.008	0.425	1.433	30.00
802.11ac(VHT20)			1.011	0.412	1.423	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	3.191	0.731	3.922	11.00
802.11ac(VHT40)			3.399	0.718	4.117	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-5.306	0.731	-4.575	30.00
802.11ac(VHT40)			-5.143	0.718	-4.425	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-3.009	1.180	-1.829	11.00
	5690 (UNII 3 Band)	138	-11.861	1.180	-10.681	30.00

▣ Test Plots_[ANT1]

802.11a UNII 2C Band	802.11a UNII 3 Band
802.11n(HT20) UNII 2C Band	**802.11n(HT20) UNII 3 Band**
802.11ac(VHT20) UNII 2C Band	**802.11ac(VHT20) UNII 3 Band**

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**

▣ Test Plots_[ANT2]

802.11a UNII 2C Band	802.11a UNII 3 Band
802.11n(HT20) UNII 2C Band	**802.11n(HT20) UNII 3 Band**
802.11ac(VHT20) UNII 2C Band	**802.11ac(VHT20) UNII 3 Band**

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**

10.8 RADIATED SPURIOUS EMISSIONS

Frequency Range : 9 kHz – 30MHz

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

Note:

1. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = 40log (specific distance / test distance) (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor

Frequency Range : Below 1 GHz

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

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

Frequency Range : Above 1 GHz

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	51.26	6.89	V	58.15	68.20	10.05	PK
15540	45.57	12.57	V	58.14	73.98	15.84	PK
15540	31.52	12.57	V	44.09	53.98	9.89	AV
10360	50.94	6.89	H	57.83	68.20	10.37	PK
15540	44.91	12.57	H	57.48	73.98	16.50	PK
15540	31.12	12.57	H	43.69	53.98	10.29	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	51.13	6.94	V	58.07	68.20	10.13	PK
15600	44.72	11.47	V	56.19	73.98	17.79	PK
15600	30.93	11.47	V	42.40	53.98	11.58	AV
10400	50.48	6.94	H	57.42	68.20	10.78	PK
15600	44.45	11.47	H	55.92	73.98	18.06	PK
15600	30.87	11.47	H	42.34	53.98	11.64	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	48.84	7.65	V	56.49	68.20	11.71	PK
15720	44.50	11.66	V	56.16	73.98	17.82	PK
15720	31.21	11.66	V	42.87	53.98	11.11	AV
10480	47.43	7.65	H	55.08	68.20	13.12	PK
15720	43.81	11.66	H	55.47	73.98	18.51	PK
15720	31.12	11.66	H	42.78	53.98	11.20	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	50.15	8.33	V	58.48	68.20	9.72	PK
15780	43.08	12.21	V	55.29	73.98	18.69	PK
15780	29.73	12.21	V	41.94	53.98	12.04	AV
10520	50.02	8.33	H	58.35	68.20	9.85	PK
15780	42.96	12.21	H	55.17	73.98	18.81	PK
15780	29.71	12.21	H	41.92	53.98	12.06	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	50.57	8.85	V	59.42	73.98	14.56	PK
10600	37.04	8.85	V	45.89	53.98	8.09	AV
15900	44.18	11.90	V	56.08	73.98	17.90	PK
15900	30.61	11.90	V	42.51	53.98	11.47	AV
10600	50.10	8.85	H	58.95	73.98	15.03	PK
10600	36.82	8.85	H	45.67	53.98	8.31	AV
15900	43.93	11.90	H	55.83	73.98	18.15	PK
15900	30.11	11.90	H	42.01	53.98	11.97	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	50.10	9.25	V	59.35	73.98	14.63	PK
10640	36.10	9.25	V	45.35	53.98	8.63	AV
15960	43.26	10.55	V	53.81	73.98	20.17	PK
15960	30.47	10.55	V	41.02	53.98	12.96	AV
10640	49.15	9.25	H	58.40	73.98	15.58	PK
10640	35.82	9.25	H	45.07	53.98	8.91	AV
15960	43.14	10.55	H	53.69	73.98	20.29	PK
15960	30.37	10.55	H	40.92	53.98	13.06	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	42.79	10.23	V	53.02	73.98	20.96	PK
11000	29.43	10.23	V	39.66	53.98	14.32	AV
16500	43.78	11.62	V	55.40	68.20	12.80	PK
11000	43.35	10.23	H	53.58	73.98	20.40	PK
11000	29.58	10.23	H	39.81	53.98	14.17	AV
16500	44.53	11.62	H	56.15	68.20	12.05	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11200	48.20	9.94	V	58.14	73.98	15.84	PK
11200	34.59	9.94	V	44.53	53.98	9.45	AV
16800	45.24	10.84	V	56.08	68.20	12.12	PK
11200	46.61	9.94	H	56.55	73.98	17.43	PK
11200	33.55	9.94	H	43.49	53.98	10.49	AV
16800	44.78	10.84	H	55.62	68.20	12.58	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	44.49	9.39	V	53.88	73.98	20.10	PK
11440	31.81	9.39	V	41.20	53.98	12.78	AV
17160	43.72	12.91	V	56.63	68.20	11.57	PK
11440	45.83	9.39	H	55.22	73.98	18.76	PK
11440	32.42	9.39	H	41.81	53.98	12.17	AV
17160	44.98	12.91	H	57.89	68.20	10.31	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	45.32	9.31	V	54.63	73.98	19.35	PK
11490	31.80	9.31	V	41.11	53.98	12.87	AV
17235	44.28	14.49	V	58.77	68.20	9.43	PK
11490	44.94	9.31	H	54.25	73.98	19.73	PK
11490	32.95	9.31	H	42.26	53.98	11.72	AV
17235	43.63	14.49	H	58.12	68.20	10.08	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	43.39	9.38	V	52.77	73.98	21.21	PK
11570	30.93	9.38	V	40.31	53.98	13.67	AV
17355	44.30	15.74	V	60.04	68.20	8.16	PK
11570	44.18	9.38	H	53.56	73.98	20.42	PK
11570	30.78	9.38	H	40.16	53.98	13.82	AV
17355	43.76	15.74	H	59.50	68.20	8.70	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	44.62	8.33	V	52.95	73.98	21.03	PK
11650	31.66	8.33	V	39.99	53.98	13.99	AV
17475	44.93	16.79	V	61.72	68.20	6.48	PK
11650	45.97	8.33	H	54.30	73.98	19.68	PK
11650	31.83	8.33	H	40.16	53.98	13.82	AV
17475	45.44	16.79	H	62.23	68.20	5.97	PK

Band : UNII 1
Operation Mode: 802.11 n(HT20)
Transfer MCS Index: MCS0
Operating Frequency 5180 MHz
Channel No. 36 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	49.71	6.89	V	56.60	68.20	11.60	PK
15540	45.50	12.57	V	58.07	73.98	15.91	PK
15540	31.45	12.57	V	44.02	53.98	9.96	AV
10360	48.12	6.89	H	55.01	68.20	13.19	PK
15540	44.82	12.57	H	57.39	73.98	16.59	PK
15540	31.05	12.57	H	43.62	53.98	10.36	AV

Band : UNII 1
Operation Mode: 802.11 n(HT20)
Transfer MCS Index: MCS0
Operating Frequency 5200 MHz
Channel No. 40 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	49.68	6.94	V	56.62	68.20	11.58	PK
15600	44.93	11.47	V	56.40	73.98	17.58	PK
15600	31.02	11.47	V	42.49	53.98	11.49	AV
10400	50.51	6.94	H	57.45	68.20	10.75	PK
15600	44.24	11.47	H	55.71	73.98	18.27	PK
15600	30.85	11.47	H	42.32	53.98	11.66	AV

Band :	UNII 1
Operation Mode:	802.11 n(HT20)
Transfer MCS Index:	MCS0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	47.26	7.65	V	54.91	68.20	13.29	PK
15720	44.75	11.66	V	56.41	73.98	17.57	PK
15720	30.54	11.66	V	42.20	53.98	11.78	AV
10480	46.92	7.65	H	54.57	68.20	13.63	PK
15720	43.59	11.66	H	55.25	73.98	18.73	PK
15720	30.32	11.66	H	41.98	53.98	12.00	AV

Band :	UNII 2A
Operation Mode:	802.11 n(HT20)
Transfer MCS Index:	MCS0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	49.54	8.33	V	57.87	68.20	10.33	PK
15780	43.20	12.21	V	55.41	73.98	18.57	PK
15780	29.61	12.21	V	41.82	53.98	12.16	AV
10520	48.81	8.33	H	57.14	68.20	11.06	PK
15780	42.23	12.21	H	54.44	73.98	19.54	PK
15780	29.50	12.21	H	41.71	53.98	12.27	AV

Band :	UNII 2A
Operation Mode:	802.11 n(HT20)
Transfer MCS Index:	MCS0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	49.63	8.85	V	58.48	73.98	15.50	PK
10600	35.00	8.85	V	43.85	53.98	10.13	AV
15900	43.87	11.90	V	55.77	73.98	18.21	PK
15900	30.62	11.90	V	42.52	53.98	11.46	AV
10600	49.29	8.85	H	58.14	73.98	15.84	PK
10600	34.88	8.85	H	43.73	53.98	10.25	AV
15900	43.81	11.90	H	55.71	73.98	18.27	PK
15900	30.48	11.90	H	42.38	53.98	11.60	AV

Band :	UNII 2A
Operation Mode:	802.11 n(HT20)
Transfer MCS Index:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	48.89	9.25	V	58.14	73.98	15.84	PK
10640	34.61	9.25	V	43.86	53.98	10.12	AV
15960	44.09	10.55	V	54.64	73.98	19.34	PK
15960	30.59	10.55	V	41.14	53.98	12.84	AV
10640	47.74	9.25	H	56.99	73.98	16.99	PK
10640	34.02	9.25	H	43.27	53.98	10.71	AV
15960	43.17	10.55	H	53.72	73.98	20.26	PK
15960	30.41	10.55	H	40.96	53.98	13.02	AV

Band :	UNII 2C
Operation Mode:	802.11 n(HT20)
Transfer MCS Index:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	42.46	10.23	V	52.69	73.98	21.29	PK
11000	29.61	10.23	V	39.84	53.98	14.14	AV
16500	43.92	11.62	V	55.54	68.20	12.66	PK
11000	43.91	10.23	H	54.14	73.98	19.84	PK
11000	29.64	10.23	H	39.87	53.98	14.11	AV
16500	44.86	11.62	H	56.48	68.20	11.72	PK

Band :	UNII 2C
Operation Mode:	802.11 n(HT20)
Transfer MCS Index:	MCS0
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11200	48.29	9.94	V	58.23	73.98	15.75	PK
11200	34.15	9.94	V	44.09	53.98	9.89	AV
16800	45.17	10.84	V	56.01	68.20	12.19	PK
11200	46.81	9.94	H	56.75	73.98	17.23	PK
11200	33.92	9.94	H	43.86	53.98	10.12	AV
16800	44.72	10.84	H	55.56	68.20	12.64	PK

Band :	UNII 2C
Operation Mode:	802.11 n(HT20)
Transfer MCS Index:	MCS0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	44.23	9.39	V	53.62	73.98	20.36	PK
11440	31.26	9.39	V	40.65	53.98	13.33	AV
17160	44.27	12.91	V	57.18	68.20	11.02	PK
11440	46.59	9.39	H	55.98	73.98	18.00	PK
11440	32.32	9.39	H	41.71	53.98	12.27	AV
17160	43.67	12.91	H	56.58	68.20	11.62	PK

Band :	UNII 3
Operation Mode:	802.11 n(HT20)
Transfer MCS Index:	MCS0
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	45.67	9.31	V	54.98	73.98	19.00	PK
11490	31.60	9.31	V	40.91	53.98	13.07	AV
17235	44.05	14.49	V	58.54	68.20	9.66	PK
11490	44.91	9.31	H	54.22	73.98	19.76	PK
11490	30.81	9.31	H	40.12	53.98	13.86	AV
17235	43.58	14.49	H	58.07	68.20	10.13	PK

Band : UNII 3
Operation Mode: 802.11 n(HT20)
Transfer MCS Index: MCS0
Operating Frequency 5785 MHz
Channel No. 157 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	44.52	9.38	V	53.90	73.98	20.08	PK
11570	31.02	9.38	V	40.40	53.98	13.58	AV
17355	44.68	15.74	V	60.42	68.20	7.78	PK
11570	43.29	9.38	H	52.67	73.98	21.31	PK
11570	30.03	9.38	H	39.41	53.98	14.57	AV
17355	43.76	15.74	H	59.50	68.20	8.70	PK

Band : UNII 3
Operation Mode: 802.11 n(HT20)
Transfer MCS Index: MCS0
Operating Frequency 5825 MHz
Channel No. 165 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	45.43	8.33	V	53.76	73.98	20.22	PK
11650	31.48	8.33	V	39.81	53.98	14.17	AV
17475	44.62	16.79	V	61.41	68.20	6.79	PK
11650	44.34	8.33	H	52.67	73.98	21.31	PK
11650	31.16	8.33	H	39.49	53.98	14.49	AV
17475	43.91	16.79	H	60.70	68.20	7.50	PK

Band : UNII 1
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5180 MHz
Channel No. 36 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	50.53	6.89	V	57.42	68.20	10.78	PK
15540	45.00	12.57	V	57.57	73.98	16.41	PK
15540	31.49	12.57	V	44.06	53.98	9.92	AV
10360	48.96	6.89	H	55.85	68.20	12.35	PK
15540	44.81	12.57	H	57.38	73.98	16.60	PK
15540	31.02	12.57	H	43.59	53.98	10.39	AV

Band : UNII 1
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5200 MHz
Channel No. 40 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	49.12	6.94	V	56.06	68.20	12.14	PK
15600	44.62	11.47	V	56.09	73.98	17.89	PK
15600	31.07	11.47	V	42.54	53.98	11.44	AV
10400	48.96	6.94	H	55.90	68.20	12.30	PK
15600	43.99	11.47	H	55.46	73.98	18.52	PK
15600	30.86	11.47	H	42.33	53.98	11.65	AV

Band : UNII 1
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5240 MHz
Channel No. 48 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	46.95	7.65	V	54.60	68.20	13.60	PK
15720	43.80	11.66	V	55.46	73.98	18.52	PK
15720	30.39	11.66	V	42.05	53.98	11.93	AV
10480	46.20	7.65	H	53.85	68.20	14.35	PK
15720	43.58	11.66	H	55.24	73.98	18.74	PK
15720	30.34	11.66	H	42.00	53.98	11.98	AV

Band : UNII 2A
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5260MHz
Channel No. 52 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	48.45	8.33	V	56.78	68.20	11.42	PK
15780	43.15	12.21	V	55.36	73.98	18.62	PK
15780	29.65	12.21	V	41.86	53.98	12.12	AV
10520	47.86	8.33	H	56.19	68.20	12.01	PK
15780	42.29	12.21	H	54.50	73.98	19.48	PK
15780	29.61	12.21	H	41.82	53.98	12.16	AV

Band :	UNII 2A
Operation Mode:	802.11 ac(VHT20)
Transfer MCS Index:	MCS0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	49.32	8.85	V	58.17	73.98	15.81	PK
10600	35.60	8.85	V	44.45	53.98	9.53	AV
15900	44.37	11.90	V	56.27	73.98	17.71	PK
15900	30.56	11.90	V	42.46	53.98	11.52	AV
10600	48.22	8.85	H	57.07	73.98	16.91	PK
10600	34.41	8.85	H	43.26	53.98	10.72	AV
15900	43.39	11.90	H	55.29	73.98	18.69	PK
15900	30.30	11.90	H	42.20	53.98	11.78	AV

Band :	UNII 2A
Operation Mode:	802.11 ac(VHT20)
Transfer MCS Index:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	48.76	9.25	V	58.01	73.98	15.97	PK
10640	35.04	9.25	V	44.29	53.98	9.69	AV
15960	43.73	10.55	V	54.28	73.98	19.70	PK
15960	30.44	10.55	V	40.99	53.98	12.99	AV
10640	48.11	9.25	H	57.36	73.98	16.62	PK
10640	34.49	9.25	H	43.74	53.98	10.24	AV
15960	42.81	10.55	H	53.36	73.98	20.62	PK
15960	30.20	10.55	H	40.75	53.98	13.23	AV

Band : UNII 2C
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5500 MHz
Channel No. 100 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	42.35	10.23	V	52.58	73.98	21.40	PK
11000	29.53	10.23	V	39.76	53.98	14.22	AV
16500	43.81	11.62	V	55.43	68.20	12.77	PK
11000	42.91	10.23	H	53.14	73.98	20.84	PK
11000	29.56	10.23	H	39.79	53.98	14.19	AV
16500	44.32	11.62	H	55.94	68.20	12.26	PK

Band : UNII 2C
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5600 MHz
Channel No. 120 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11200	46.30	9.94	V	56.24	73.98	17.74	PK
11200	32.80	9.94	V	42.74	53.98	11.24	AV
16800	45.40	10.84	V	56.24	68.20	11.96	PK
11200	45.29	9.94	H	55.23	73.98	18.75	PK
11200	31.51	9.94	H	41.45	53.98	12.53	AV
16800	44.83	10.84	H	55.67	68.20	12.53	PK

Band :	UNII 2C
Operation Mode:	802.11 ac(VHT20)
Transfer MCS Index:	MCS0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	43.91	9.39	V	53.30	73.98	20.68	PK
11440	30.96	9.39	V	40.35	53.98	13.63	AV
17160	43.62	12.91	V	56.53	68.20	11.67	PK
11440	44.79	9.39	H	54.18	73.98	19.80	PK
11440	31.24	9.39	H	40.63	53.98	13.35	AV
17160	44.97	12.91	H	57.88	68.20	10.32	PK

Band :	UNII 3
Operation Mode:	802.11 ac(VHT20)
Transfer MCS Index:	MCS0
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	43.74	9.31	V	53.05	73.98	20.93	PK
11490	30.36	9.31	V	39.67	53.98	14.31	AV
17235	44.15	14.49	V	58.64	68.20	9.56	PK
11490	42.98	9.31	H	52.29	73.98	21.69	PK
11490	30.02	9.31	H	39.33	53.98	14.65	AV
17235	42.81	14.49	H	57.30	68.20	10.90	PK

Band : UNII 3
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5785 MHz
Channel No. 157 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	43.61	9.38	V	52.99	73.98	20.99	PK
11570	29.97	9.38	V	39.35	53.98	14.63	AV
17355	44.24	15.74	V	59.98	68.20	8.22	PK
11570	42.35	9.38	H	51.73	73.98	22.25	PK
11570	29.90	9.38	H	39.28	53.98	14.70	AV
17355	43.75	15.74	H	59.49	68.20	8.71	PK

Band : UNII 3
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5825 MHz
Channel No. 165 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	44.86	8.33	V	53.19	73.98	20.79	PK
11650	31.39	8.33	V	39.72	53.98	14.26	AV
17475	44.52	16.79	V	61.31	68.20	6.89	PK
11650	43.57	8.33	H	51.90	73.98	22.08	PK
11650	30.12	8.33	H	38.45	53.98	15.53	AV
17475	43.23	16.79	H	60.02	68.20	8.18	PK

Band : UNII 1
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5190 MHz
Channel No. 38 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	48.20	6.54	V	54.74	68.20	13.46	PK
15570	44.48	11.95	V	56.43	73.98	17.55	PK
15570	32.05	11.95	V	44.00	53.98	9.98	AV
10380	47.66	6.54	H	54.20	68.20	14.00	PK
15570	44.29	11.95	H	56.24	73.98	17.74	PK
15570	31.68	11.95	H	43.63	53.98	10.35	AV

Band : UNII 1
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5230 MHz
Channel No. 46 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	45.97	7.97	V	53.94	68.20	14.26	PK
15690	44.29	12.00	V	56.29	73.98	17.69	PK
15690	31.28	12.00	V	43.28	53.98	10.70	AV
10460	45.36	7.97	H	53.33	68.20	14.87	PK
15690	43.87	12.00	H	55.87	73.98	18.11	PK
15690	30.57	12.00	H	42.57	53.98	11.41	AV

Band : UNII 2A
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5270 MHz
Channel No. 54 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	48.04	8.71	V	56.75	68.20	11.45	PK
15810	42.74	11.51	V	54.25	73.98	19.73	PK
15810	30.02	11.51	V	41.53	53.98	12.45	AV
10540	47.07	8.71	H	55.78	68.20	12.42	PK
15810	41.67	11.51	H	53.18	73.98	20.80	PK
15810	29.89	11.51	H	41.40	53.98	12.58	AV

Band : UNII 2A
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5310 MHz
Channel No. 62 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	46.53	8.62	V	55.15	73.98	18.83	PK
10620	34.23	8.62	V	42.85	53.98	11.13	AV
15930	43.99	10.63	V	54.62	73.98	19.36	PK
15930	31.10	10.63	V	41.73	53.98	12.25	AV
10620	45.93	8.62	H	54.55	73.98	19.43	PK
10620	33.16	8.62	H	41.78	53.98	12.20	AV
15930	42.81	10.63	H	53.44	73.98	20.54	PK
15930	30.97	10.63	H	41.60	53.98	12.38	AV

Band : UNII 2C
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5510 MHz
Channel No. 102 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	42.19	9.89	V	52.08	73.98	21.90	PK
11020	30.05	9.89	V	39.94	53.98	14.04	AV
16530	44.64	11.59	V	56.23	68.20	11.97	PK
11020	43.38	9.89	H	53.27	73.98	20.71	PK
11020	30.41	9.89	H	40.30	53.98	13.68	AV
16530	45.23	11.59	H	56.82	68.20	11.38	PK

Band : UNII 2C
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5590 MHz
Channel No. 118 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11180	45.41	9.67	V	55.08	73.98	18.90	PK
11180	31.99	9.67	V	41.66	53.98	12.32	AV
16770	44.93	11.53	V	56.46	68.20	11.74	PK
11180	44.23	9.67	H	53.90	73.98	20.08	PK
11180	30.76	9.67	H	40.43	53.98	13.55	AV
16770	43.66	11.53	H	55.19	68.20	13.01	PK

Band : UNII 2C
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5710 MHz
Channel No. 142 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	43.43	9.18	V	52.61	73.98	21.37	PK
11420	31.23	9.18	V	40.41	53.98	13.57	AV
17130	42.51	13.20	V	55.71	68.20	12.49	PK
11420	44.63	9.18	H	53.81	73.98	20.17	PK
11420	31.76	9.18	H	40.94	53.98	13.04	AV
17130	43.68	13.20	H	56.88	68.20	11.32	PK

Band : UNII 3
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5755 MHz
Channel No. 151 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	42.78	9.19	V	51.97	73.98	22.01	PK
11510	30.33	9.19	V	39.52	53.98	14.46	AV
17265	43.69	14.32	V	58.01	68.20	10.19	PK
11510	41.82	9.19	H	51.01	73.98	22.97	PK
11510	29.34	9.19	H	38.53	53.98	15.45	AV
17265	43.46	14.32	H	57.78	68.20	10.42	PK

Band :	UNII 3
Operation Mode:	802.11 n(HT40)
Transfer MCS Index:	MCS0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	43.14	9.46	V	52.60	73.98	21.38	PK
11590	30.29	9.46	V	39.75	53.98	14.23	AV
17385	44.63	15.37	V	60.00	68.20	8.20	PK
11590	42.55	9.46	H	52.01	73.98	21.97	PK
11590	30.02	9.46	H	39.48	53.98	14.50	AV
17385	43.81	15.37	H	59.18	68.20	9.02	PK

Band :	UNII 1
Operation Mode:	802.11 ac(VHT40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	47.86	6.54	V	54.40	68.20	13.80	PK
15570	44.81	11.95	V	56.76	73.98	17.22	PK
15570	31.96	11.95	V	43.91	53.98	10.07	AV
10380	46.92	6.54	H	53.46	68.20	14.74	PK
15570	44.06	11.95	H	56.01	73.98	17.97	PK
15570	31.82	11.95	H	43.77	53.98	10.21	AV

Band : UNII 1
Operation Mode: 802.11 ac(VHT40)
Transfer MCS Index: MCS0
Operating Frequency 5230 MHz
Channel No. 46 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	45.93	7.97	V	53.90	68.20	14.30	PK
15690	44.01	12.00	V	56.01	73.98	17.97	PK
15690	31.28	12.00	V	43.28	53.98	10.70	AV
10460	45.01	7.97	H	52.98	68.20	15.22	PK
15690	43.29	12.00	H	55.29	73.98	18.69	PK
15690	31.11	12.00	H	43.11	53.98	10.87	AV

Band : UNII 2A
Operation Mode: 802.11 ac(VHT40)
Transfer MCS Index: MCS0
Operating Frequency 5270 MHz
Channel No. 54 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	47.10	8.71	V	55.81	68.20	12.39	PK
15810	42.98	11.51	V	54.49	73.98	19.49	PK
15810	30.11	11.51	V	41.62	53.98	12.36	AV
10540	45.52	8.71	H	54.23	68.20	13.97	PK
15810	41.76	11.51	H	53.27	73.98	20.71	PK
15810	29.76	11.51	H	41.27	53.98	12.71	AV

Band :	UNII 2A
Operation Mode:	802.11 ac(VHT40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	46.44	8.62	V	55.06	73.98	18.92	PK
10620	33.32	8.62	V	41.94	53.98	12.04	AV
15930	43.72	10.63	V	54.35	73.98	19.63	PK
15930	31.03	10.63	V	41.66	53.98	12.32	AV
10620	45.77	8.62	H	54.39	73.98	19.59	PK
10620	32.50	8.62	H	41.12	53.98	12.86	AV
15930	42.81	10.63	H	53.44	73.98	20.54	PK
15930	30.59	10.63	H	41.22	53.98	12.76	AV

Band :	UNII 2C
Operation Mode:	802.11 ac(VHT40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	42.11	9.89	V	52.00	73.98	21.98	PK
11020	30.14	9.89	V	40.03	53.98	13.95	AV
16530	44.19	11.59	V	55.78	68.20	12.42	PK
11020	43.28	9.89	H	53.17	73.98	20.81	PK
11020	30.38	9.89	H	40.27	53.98	13.71	AV
16530	45.80	11.59	H	57.39	68.20	10.81	PK

Band :	UNII 2C
Operation Mode:	802.11 ac(VHT40)
Transfer MCS Index:	MCS0
Operating Frequency	5590 MHz
Channel No.	118 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11180	44.23	9.67	V	53.90	73.98	20.08	PK
11180	31.41	9.67	V	41.08	53.98	12.90	AV
16770	44.96	11.53	V	56.49	68.20	11.71	PK
11180	42.92	9.67	H	52.59	73.98	21.39	PK
11180	30.18	9.67	H	39.85	53.98	14.13	AV
16770	44.07	11.53	H	55.60	68.20	12.60	PK

Band :	UNII 2C
Operation Mode:	802.11 ac(VHT40)
Transfer MCS Index:	MCS0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	42.10	9.18	V	51.28	73.98	22.70	PK
11420	30.11	9.18	V	39.29	53.98	14.69	AV
17130	43.91	13.20	V	57.11	68.20	11.09	PK
11420	43.32	9.18	H	52.50	73.98	21.48	PK
11420	30.90	9.18	H	40.08	53.98	13.90	AV
17130	44.52	13.20	H	57.72	68.20	10.48	PK

Band : UNII 3
Operation Mode: 802.11 ac(VHT40)
Transfer MCS Index: MCS0
Operating Frequency 5755 MHz
Channel No. 151 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	42.35	9.19	V	51.54	73.98	22.44	PK
11510	30.35	9.19	V	39.54	53.98	14.44	AV
17265	44.44	14.32	V	58.76	68.20	9.44	PK
11510	41.84	9.19	H	51.03	73.98	22.95	PK
11510	30.02	9.19	H	39.21	53.98	14.77	AV
17265	43.66	14.32	H	57.98	68.20	10.22	PK

Band : UNII 3
Operation Mode: 802.11 ac(VHT40)
Transfer MCS Index: MCS0
Operating Frequency 5795 MHz
Channel No. 159 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	43.32	9.46	V	52.78	73.98	21.20	PK
11590	30.17	9.46	V	39.63	53.98	14.35	AV
17385	44.89	15.37	V	60.26	68.20	7.94	PK
11590	42.28	9.46	H	51.74	73.98	22.24	PK
11590	30.01	9.46	H	39.47	53.98	14.51	AV
17385	44.23	15.37	H	59.60	68.20	8.60	PK

Band : UNII 1
Operation Mode: 802.11 ac(VHT80)
Transfer MCS Index: MCS0
Operating Frequency 5210 MHz
Channel No. 42 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	44.97	7.88	V	52.85	68.20	15.35	PK
15630	44.94	12.05	V	56.99	73.98	16.99	PK
15630	33.07	12.05	V	45.12	53.98	8.86	AV
10420	44.59	7.88	H	52.47	68.20	15.73	PK
15630	43.72	12.05	H	55.77	73.98	18.21	PK
15630	32.80	12.05	H	44.85	53.98	9.13	AV

Band : UNII 2A
Operation Mode: 802.11 ac(VHT80)
Transfer MCS Index: MCS0
Operating Frequency 5290 MHz
Channel No. 58 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	45.48	8.83	V	54.31	68.20	13.89	PK
15870	43.68	11.15	V	54.83	73.98	19.15	PK
15870	31.42	11.15	V	42.57	53.98	11.41	AV
10580	44.72	8.83	H	53.55	68.20	14.65	PK
15870	41.37	11.15	H	52.52	73.98	21.46	PK
15870	30.92	11.15	H	42.07	53.98	11.91	AV

Band :	UNII 2C
Operation Mode:	802.11 ac(VHT80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	41.66	9.83	V	51.49	73.98	22.49	PK
11060	30.44	9.83	V	40.27	53.98	13.71	AV
16590	43.22	11.80	V	55.02	68.20	13.18	PK
11060	43.41	9.83	H	53.24	73.98	20.74	PK
11060	31.53	9.83	H	41.36	53.98	12.62	AV
16590	44.63	11.80	H	56.43	68.20	11.77	PK

Band :	UNII 2C
Operation Mode:	802.11 ac(VHT80)
Transfer MCS Index:	MCS0
Operating Frequency	5610 MHz
Channel No.	122 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11220	43.56	10.49	V	54.05	73.98	19.93	PK
11220	31.88	10.49	V	42.37	53.98	11.61	AV
16830	44.58	11.14	V	55.72	68.20	12.48	PK
11220	41.73	10.49	H	52.22	73.98	21.76	PK
11220	30.56	10.49	H	41.05	53.98	12.93	AV
16830	43.25	11.14	H	54.39	68.20	13.81	PK

Band :	UNII 2C
Operation Mode:	802.11 ac(VHT80)
Transfer MCS Index:	MCS0
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	43.95	9.91	V	53.86	73.98	20.12	PK
11380	30.98	9.91	V	40.89	53.98	13.09	AV
17070	44.10	12.72	V	56.82	68.20	11.38	PK
11380	44.10	9.91	H	54.01	73.98	19.97	PK
11380	31.04	9.91	H	40.95	53.98	13.03	AV
17070	44.29	12.72	H	57.01	68.20	11.19	PK

Band :	UNII 3
Operation Mode:	802.11 ac(VHT80)
Transfer MCS Index:	MCS0
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	42.71	8.90	V	51.61	73.98	22.37	PK
11550	31.42	8.90	V	40.32	53.98	13.66	AV
17325	44.39	15.33	V	59.72	68.20	8.48	PK
11550	41.33	8.90	H	50.23	73.98	23.75	PK
11550	30.77	8.90	H	39.67	53.98	14.31	AV
17325	44.07	15.33	H	59.40	68.20	8.80	PK

[DBS Mode 2.4 GHz & 5GHz]

Band :	UNII 1
Operation Mode:	802.11 a & 802.11b
Transfer Rate:	6 Mbps & 1 Mbps
Operating Frequency	5180 MHz & 2412 MHz
Channel No.	36 Ch & 1 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	50.02	6.89	V	56.91	68.20	11.29	PK
15540	45.19	12.57	V	57.76	73.98	16.22	PK
15540	31.29	12.57	V	43.86	53.98	10.12	AV
10360	49.86	6.89	H	56.75	68.20	11.45	PK
15540	45.11	12.57	H	57.68	73.98	16.30	PK
15540	31.24	12.57	H	43.81	53.98	10.17	AV

Band :	UNII 2C
Operation Mode:	802.11 a & 802.11b
Transfer Rate:	6 Mbps & 1Mbps
Operating Frequency	5600 MHz & 2437MHz
Channel No.	120 Ch & 6 Ch

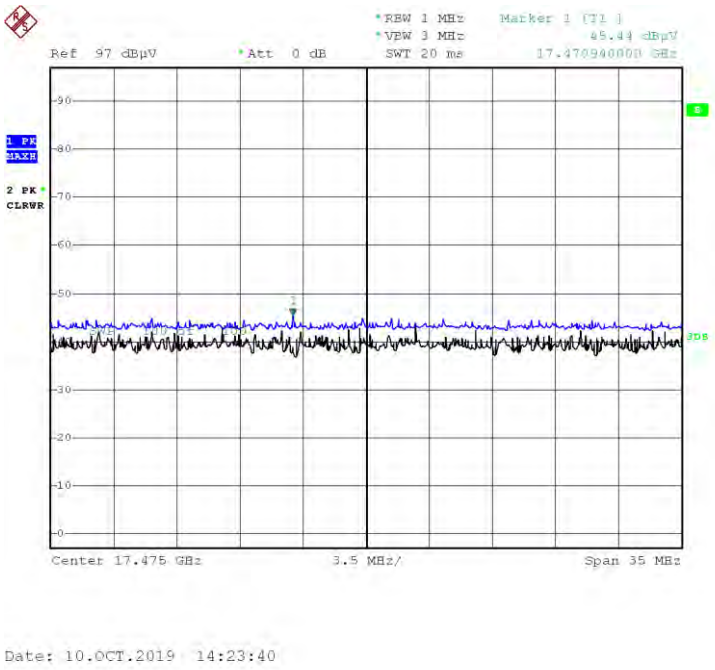
Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11200	46.85	9.94	V	56.79	73.98	17.19	PK
11200	32.86	9.94	V	42.80	53.98	11.18	AV
16800	45.61	10.84	V	56.45	68.20	11.75	PK
11200	46.77	9.94	H	56.71	73.98	17.27	PK
11200	32.56	9.94	H	42.50	53.98	11.48	AV
16800	45.16	10.84	H	56.00	68.20	12.20	PK

Band :	UNII 3
Operation Mode:	802.11 a & 802.11b
Transfer Rate:	6 Mbps & 1Mbps
Operating Frequency	5825 MHz & 2462 MHz
Channel No.	165 Ch & 11 Ch

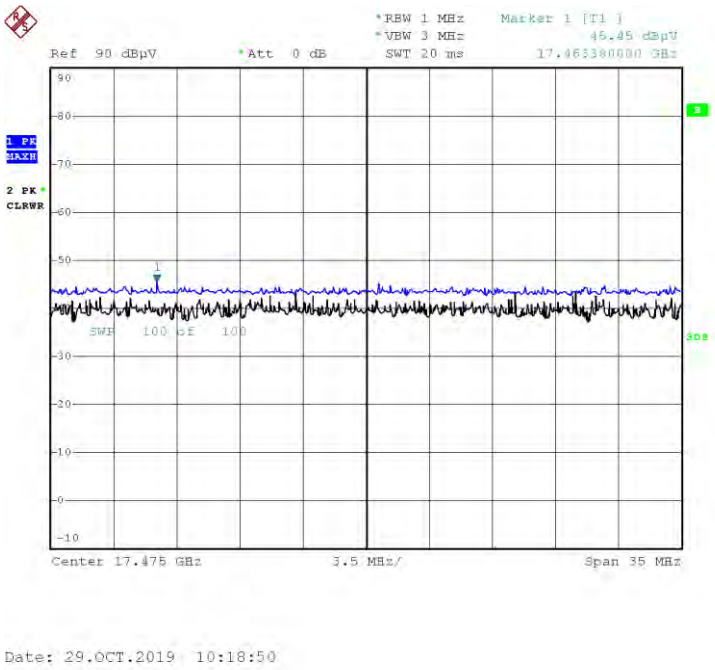
Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	43.76	8.33	V	52.09	73.98	21.89	PK
11650	29.26	8.33	V	37.59	53.98	16.39	AV
17475	44.65	16.79	V	61.44	68.20	6.76	PK
11650	43.88	8.33	H	52.21	73.98	21.77	PK
11650	29.47	8.33	H	37.80	53.98	16.18	AV
17475	45.45	16.79	H	62.24	68.20	5.96	PK

▣ Test Plots

Peak Reading (802.11a, Ch.165 3rd Harmonic, Y-H)



Peak Reading [DBS Mode 5 GHz & 2.4 GHz_802.11 a & 802.11b, 6 Mbps & 1Mbps, 165 Ch & 11 Ch]



Note:

Only the worst case plots for Radiated Spurious Emissions.

10.9 RADIATED RESTRICTED BAND EDGE

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.01	5.75	H	65.76	73.98	8.22	PK
5150	44.43	5.75	H	50.18	53.98	3.80	AV
5150	59.51	5.75	V	65.26	73.98	8.72	PK
5150	42.35	5.75	V	48.1	53.98	5.88	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	63.32	6.66	H	69.98	73.98	4.00	PK
5350	40.27	6.66	H	46.93	53.98	7.05	AV
5350	62.83	6.66	V	69.49	73.98	4.49	PK
5350	39.92	6.66	V	46.58	53.98	7.40	AV

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	57.32	6.08	H	63.40	73.98	10.58	PK
5460	38.17	6.08	H	44.25	53.98	9.73	AV
5470	58.65	6.19	H	64.84	68.20	3.36	PK
5460	56.89	6.08	V	62.97	73.98	11.01	PK
5460	38.02	6.08	V	44.10	53.98	9.88	AV
5470	57.41	6.19	V	63.60	68.20	4.60	PK

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5520 MHz
Channel No.	104 Ch

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	57.18	6.08	H	63.26	73.98	10.72	PK
5460	38.09	6.08	H	44.17	53.98	9.81	AV
5470	58.34	6.19	H	64.53	68.20	3.67	PK
5460	55.88	6.08	V	61.96	73.98	12.02	PK
5460	38.04	6.08	V	44.12	53.98	9.86	AV
5470	57.29	6.19	V	63.48	68.20	4.72	PK

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+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	51.67	7.07	H	58.74	68.20	9.46	PK
5725	50.96	7.07	V	58.03	68.20	10.17	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	55.31	5.75	H	61.06	73.98	12.92	PK
5150	42.21	5.75	H	47.96	53.98	6.02	AV
5150	55.25	5.75	V	61.00	73.98	12.98	PK
5150	41.68	5.75	V	47.43	53.98	6.55	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	60.45	6.66	H	67.11	73.98	6.87	PK
5350	40.58	6.66	H	47.24	53.98	6.74	AV
5350	59.55	6.66	V	66.21	73.98	7.77	PK
5350	40.40	6.66	V	47.06	53.98	6.92	AV

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	56.61	6.08	H	62.69	73.98	11.29	PK
5460	38.12	6.08	H	44.20	53.98	9.78	AV
5470	59.59	6.19	H	65.78	68.20	2.42	PK
5460	55.59	6.08	V	61.67	73.98	12.31	PK
5460	38.07	6.08	V	44.15	53.98	9.83	AV
5470	58.63	6.19	V	64.82	68.20	3.38	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5520 MHz
Channel No.	104 Ch

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.96	6.08	H	61.04	73.98	12.94	PK
5460	37.98	6.08	H	44.06	53.98	9.92	AV
5470	58.10	6.19	H	64.29	68.20	3.91	PK
5460	53.63	6.08	V	59.71	73.98	14.27	PK
5460	37.72	6.08	V	43.80	53.98	10.18	AV
5470	57.98	6.19	V	64.17	68.20	4.03	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5540 MHz
Channel No.	108 Ch

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	55.73	6.08	H	61.81	73.98	12.17	PK
5460	37.90	6.08	H	43.98	53.98	10.00	AV
5470	57.55	6.19	H	63.74	68.20	4.46	PK
5460	55.39	6.08	V	61.47	73.98	12.51	PK
5460	37.82	6.08	V	43.90	53.98	10.08	AV
5470	56.21	6.19	V	62.40	68.20	5.80	PK

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+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	51.52	7.07	H	58.59	68.20	9.61	PK
5850	50.60	7.07	V	57.67	68.20	10.53	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	53.27	5.75	H	59.02	73.98	14.96	PK
5150	40.66	5.75	H	46.41	53.98	7.57	AV
5150	52.86	5.75	V	58.61	73.98	15.37	PK
5150	40.18	5.75	V	45.93	53.98	8.05	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	62.47	6.66	H	69.13	73.98	4.85	PK
5350	40.15	6.66	H	46.81	53.98	7.17	AV
5350	61.42	6.66	V	68.08	73.98	5.90	PK
5350	39.92	6.66	V	46.58	53.98	7.40	AV

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	55.34	6.08	H	61.42	73.98	12.56	PK
5460	38.58	6.08	H	44.66	53.98	9.32	AV
5470	57.04	6.19	H	63.23	68.20	4.97	PK
5460	55.00	6.08	V	61.08	73.98	12.90	PK
5460	37.62	6.08	V	43.70	53.98	10.28	AV
5470	56.87	6.19	V	63.06	68.20	5.14	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5520 MHz
Channel No.	104 Ch

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	56.82	6.08	H	62.90	73.98	11.08	PK
5460	38.13	6.08	H	44.21	53.98	9.77	AV
5470	59.35	6.19	H	65.54	68.20	2.66	PK
5460	55.78	6.08	V	61.86	73.98	12.12	PK
5460	38.03	6.08	V	44.11	53.98	9.87	AV
5470	58.21	6.19	V	64.40	68.20	3.80	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5540 MHz
Channel No.	108 Ch

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	56.42	6.08	H	62.50	73.98	11.48	PK
5460	38.63	6.08	H	44.71	53.98	9.27	AV
5470	58.31	6.19	H	64.50	68.20	3.70	PK
5460	55.28	6.08	V	61.36	73.98	12.62	PK
5460	38.22	6.08	V	44.30	53.98	9.68	AV
5470	57.70	6.19	V	63.89	68.20	4.31	PK

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+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	50.93	7.07	H	58.00	68.20	10.20	PK
5850	50.41	7.07	V	57.48	68.20	10.72	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.91	5.75	H	66.66	73.98	7.32	PK
5150	45.79	5.75	H	51.54	53.98	2.44	AV
5150	59.58	5.75	V	65.33	73.98	8.65	PK
5150	45.12	5.75	V	50.87	53.98	3.11	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.30	5.75	H	56.05	73.98	17.93	PK
5150	38.98	5.75	H	44.73	53.98	9.25	AV
5150	50.06	5.75	V	55.81	73.98	18.17	PK
5150	38.81	5.75	V	44.56	53.98	9.42	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	62.16	6.66	H	68.82	73.98	5.16	PK
5350	43.40	6.66	H	50.06	53.98	3.92	AV
5350	60.98	6.66	V	67.64	73.98	6.34	PK
5350	42.93	6.66	V	49.59	53.98	4.39	AV

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	56.41	6.08	H	62.49	73.98	11.49	PK
5460	38.63	6.08	H	44.71	53.98	9.27	AV
5470	57.34	6.19	H	63.53	68.20	4.67	PK
5460	55.07	6.08	V	61.15	73.98	12.83	PK
5460	38.13	6.08	V	44.21	53.98	9.77	AV
5470	56.81	6.19	V	63.00	68.20	5.20	PK

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	57.37	6.08	H	63.45	73.98	10.53	PK
5460	38.71	6.08	H	44.79	53.98	9.19	AV
5470	59.57	6.19	H	65.76	68.20	2.44	PK
5460	57.22	6.08	V	63.30	73.98	10.68	PK
5460	38.50	6.08	V	44.58	53.98	9.40	AV
5470	59.20	6.19	V	65.39	68.20	2.81	PK

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	51.23	7.07	H	58.30	68.20	9.90	PK
5850	50.96	7.07	V	58.03	68.20	10.17	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	55.62	5.75	H	61.37	73.98	12.61	PK
5150	44.45	5.75	H	50.20	53.98	3.78	AV
5150	55.26	5.75	V	61.01	73.98	12.97	PK
5150	43.92	5.75	V	49.67	53.98	4.31	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.50	5.75	H	60.25	73.98	13.73	PK
5150	38.64	5.75	H	44.39	53.98	9.59	AV
5150	53.23	5.75	V	58.98	73.98	15.00	PK
5150	38.54	5.75	V	44.29	53.98	9.69	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	62.07	6.66	H	68.73	73.98	5.25	PK
5350	43.28	6.66	H	49.94	53.98	4.04	AV
5350	61.73	6.66	V	68.39	73.98	5.59	PK
5350	42.74	6.66	V	49.40	53.98	4.58	AV

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	56.69	6.08	H	62.77	73.98	11.21	PK
5460	38.83	6.08	H	44.91	53.98	9.07	AV
5470	56.68	6.19	H	62.87	68.20	5.33	PK
5460	55.27	6.08	V	61.35	73.98	12.63	PK
5460	38.01	6.08	V	44.09	53.98	9.89	AV
5470	56.57	6.19	V	62.76	68.20	5.44	PK

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	57.11	6.08	H	63.19	73.98	10.79	PK
5460	38.91	6.08	H	44.99	53.98	8.99	AV
5470	59.99	6.19	H	66.18	68.20	2.02	PK
5460	56.31	6.08	V	62.39	73.98	11.59	PK
5460	38.78	6.08	V	44.86	53.98	9.12	AV
5470	58.56	6.19	V	64.75	68.20	3.45	PK

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	51.72	7.07	H	58.79	68.20	9.41	PK
5850	50.84	7.07	V	57.91	68.20	10.29	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.66	5.75	H	60.41	73.98	13.57	PK
5150	43.28	5.75	H	49.03	53.98	4.95	AV
5150	55.27	5.75	V	61.02	73.98	12.96	PK
5150	43.96	5.75	V	49.71	53.98	4.27	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	55.85	6.66	H	62.51	73.98	11.47	PK
5350	42.77	6.66	H	49.43	53.98	4.55	AV
5350	54.73	6.66	V	61.39	73.98	12.59	PK
5350	42.52	6.66	V	49.18	53.98	4.80	AV

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

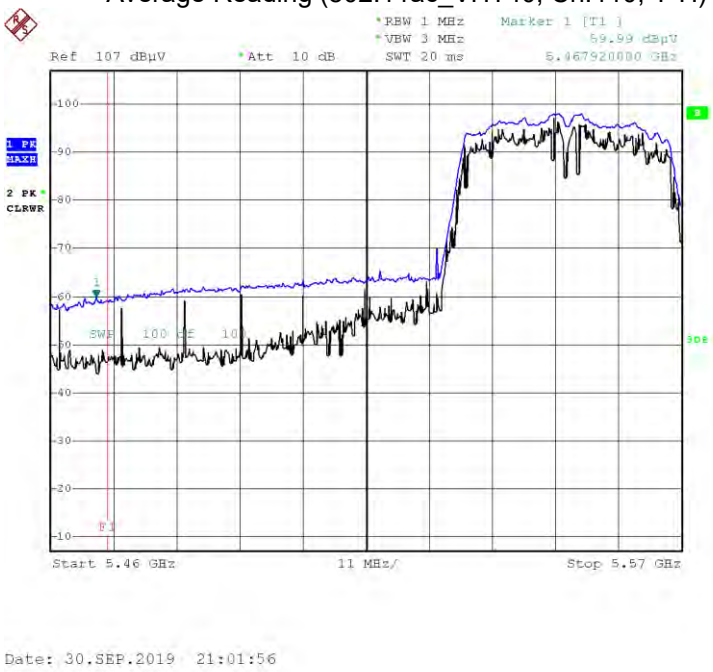
Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	55.09	6.08	H	61.17	73.98	12.81	PK
5460	43.23	6.08	H	49.31	53.98	4.67	AV
5470	55.99	6.19	H	62.18	68.20	6.02	PK
5460	54.77	6.08	V	60.85	73.98	13.13	PK
5460	42.08	6.08	V	48.16	53.98	5.82	AV
5470	55.53	6.19	V	61.72	68.20	6.48	PK

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

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	51.73	7.07	H	58.80	68.20	9.40	PK
5850	50.83	7.07	V	57.90	68.20	10.30	PK

▣ Test Plots(UNII 1, 2A, 2C)

Average Reading (802.11ac_VHT40, Ch.110, Y-H)

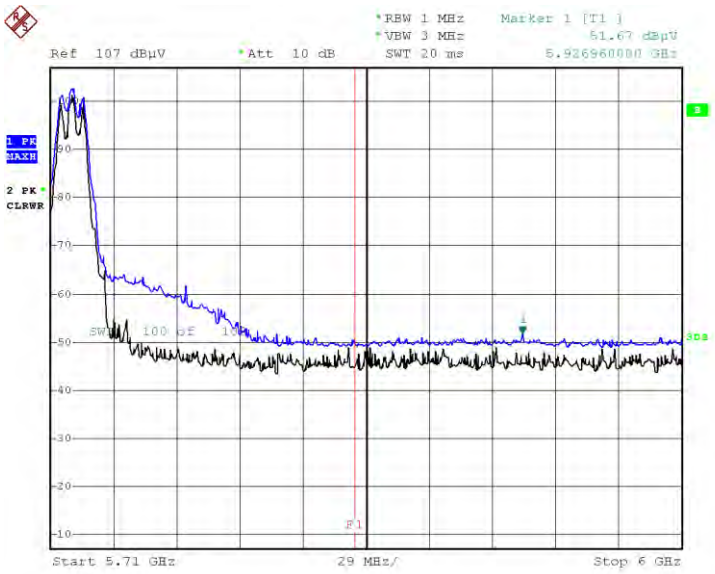


Note:

Only the worst case plots for Radiated Restricted Band Edge.

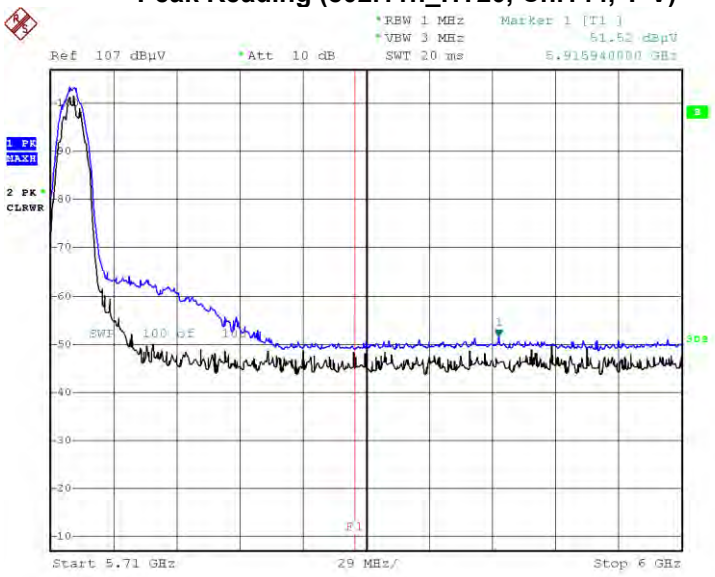
▣ Test Plots(Staraddle Channel)

Peak Reading (802.11a, Ch.144, Y-V)



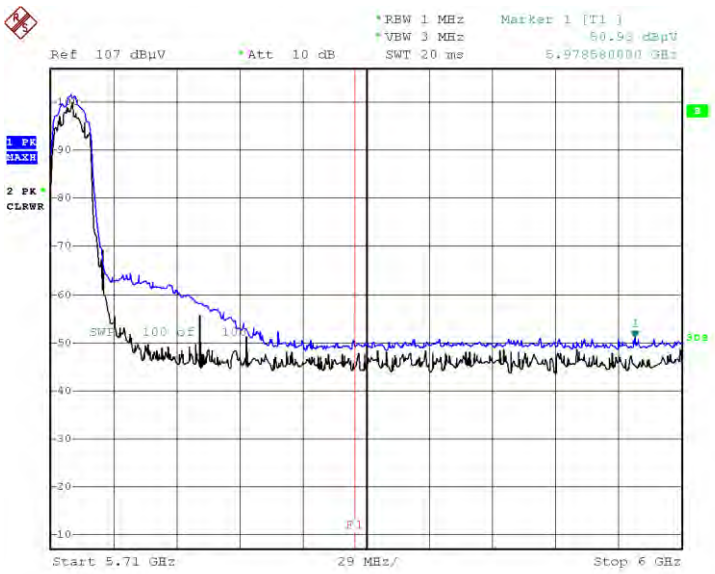
Date: 7.OCT.2019 18:49:48

Peak Reading (802.11n_HT20, Ch.144, Y-V)



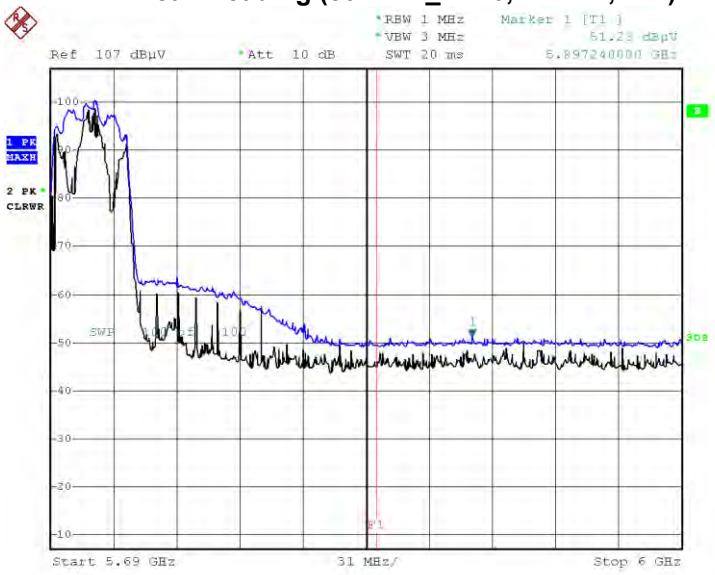
Date: 7.OCT.2019 18:44:30

Peak Reading (802.11ac_VHT20, Ch.144, Y-V)



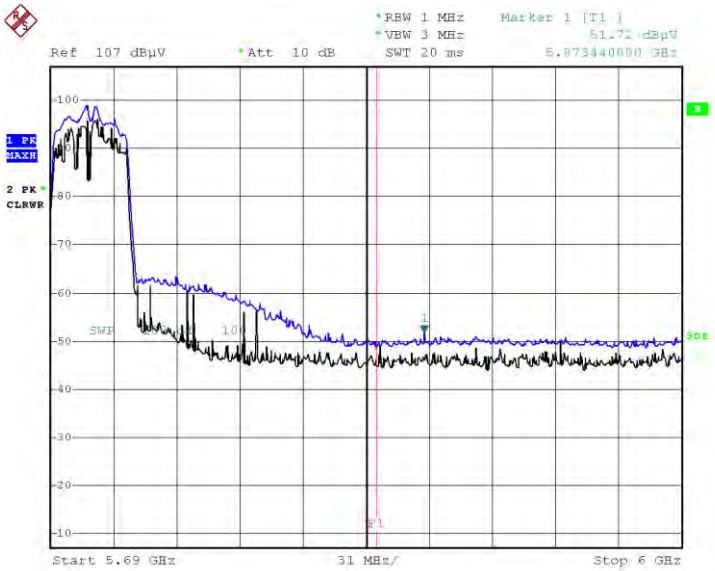
Date: 7.OCT.2019 18:46:20

Peak Reading (802.11n_HT40, Ch.142, Y-V)



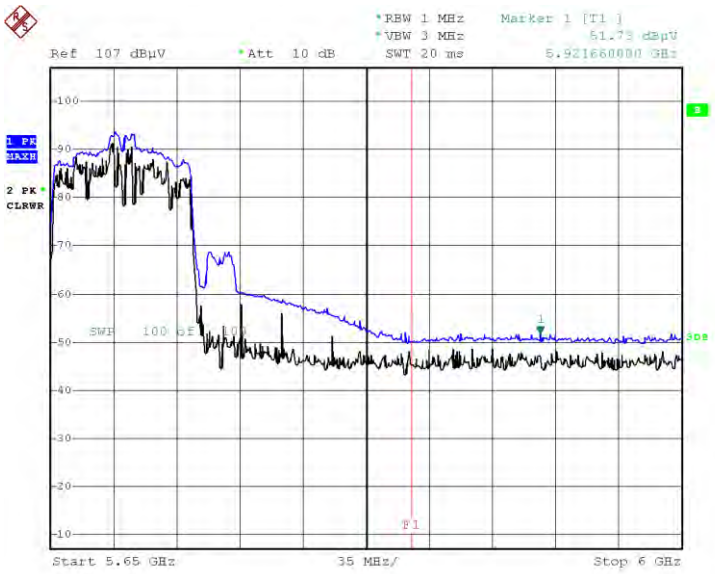
Date: 7.OCT.2019 18:35:55

Peak Reading (802.11ac_VHT40, Ch.142, Y-V)



Date: 7.OCT.2019 18:52:30

Peak Reading (802.11ac_VHT80), Ch.138, Y-V)



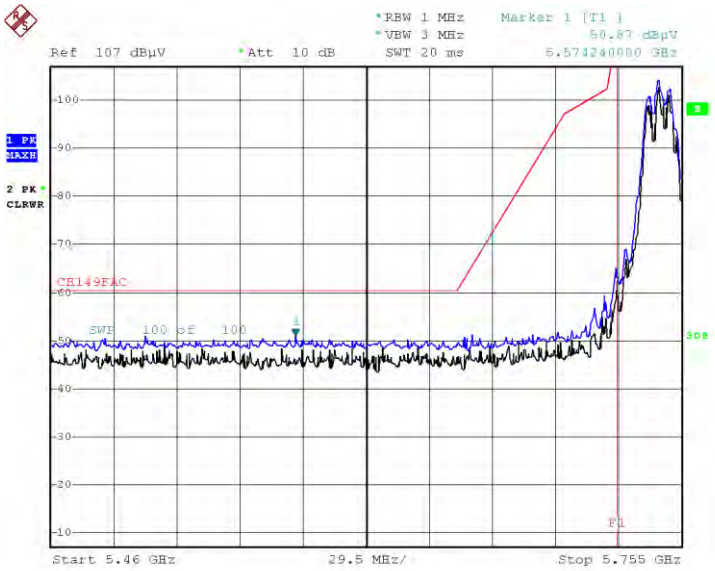
Date: 7.OCT.2019 19:21:56

Note :

1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5 850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

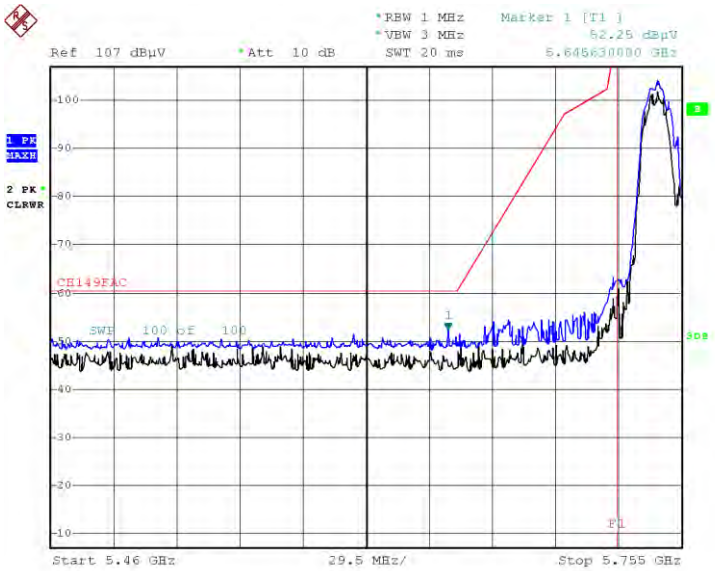
▣ Test Plots(UNII 3)

Peak Reading (802.11a, Ch.149, Y-V)



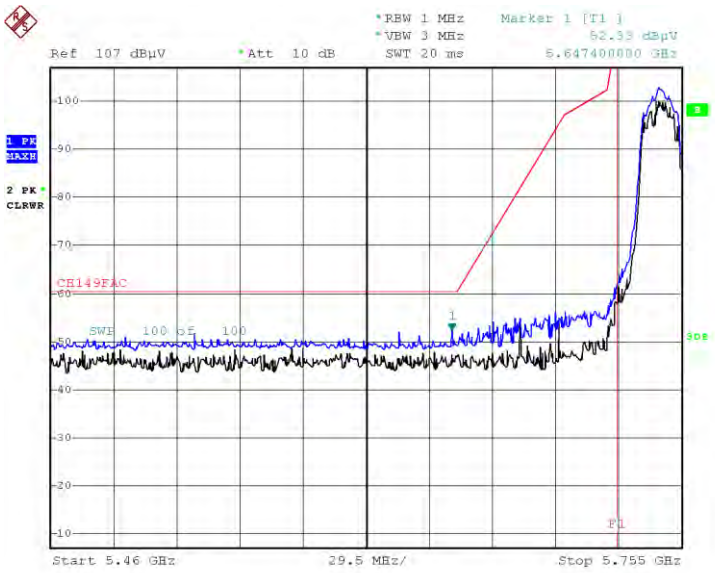
Date: 7.OCT.2019 16:58:31

Peak Reading (802.11n_HT20, Ch.149, Y-V)



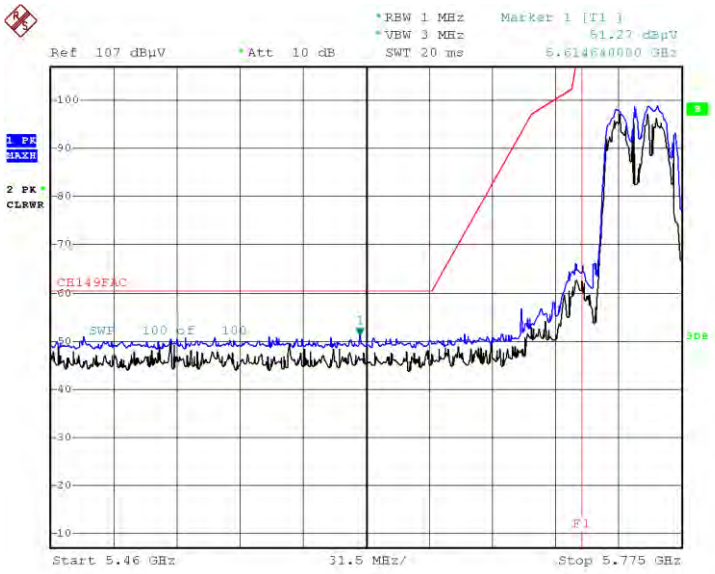
Date: 7.OCT.2019 16:59:47

Peak Reading (802.11ac_VHT20, Ch.149, Y-V)



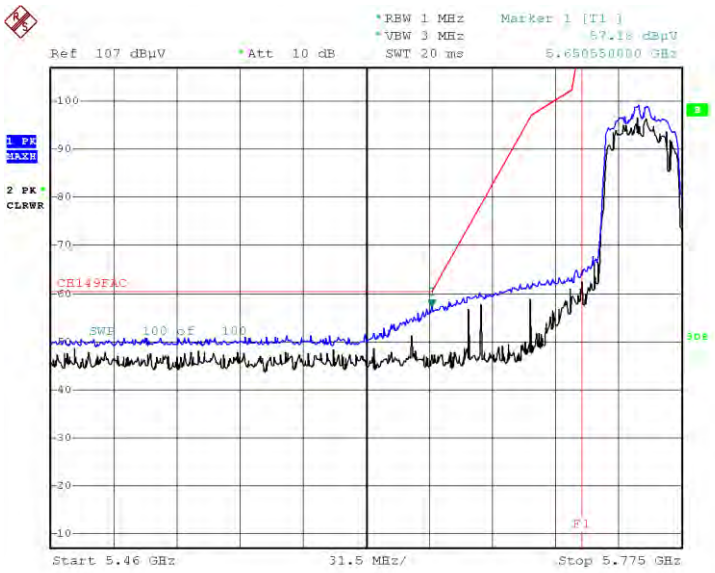
Date: 7.OCT.2019 17:01:09

Peak Reading (802.11n_HT40, Ch.151, Y-V)



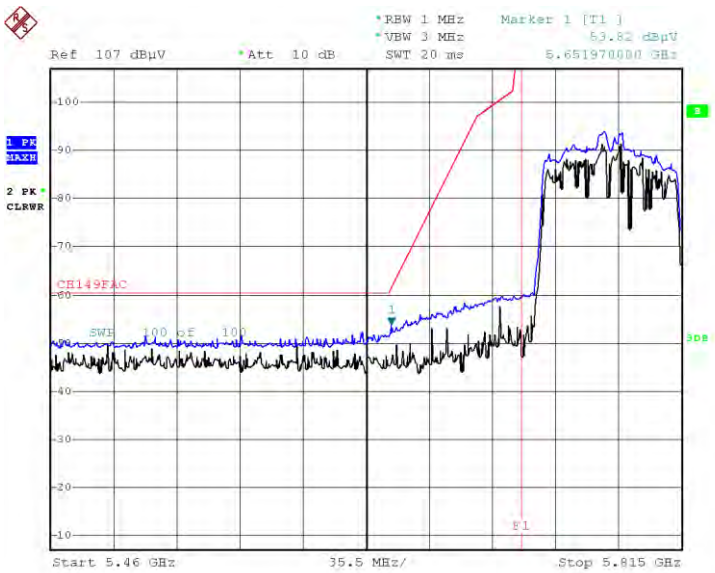
Date: 7.OCT.2019 17:03:07

Peak Reading (802.11ac_VHT40, Ch.151, Y-V)



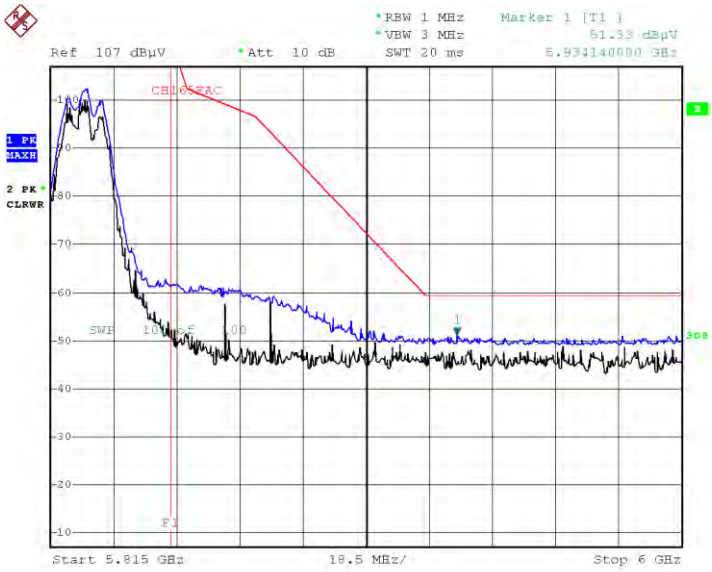
Date: 7.OCT.2019 17:05:47

Peak Reading (802.11ac_VHT80, Ch.155, Y-V)



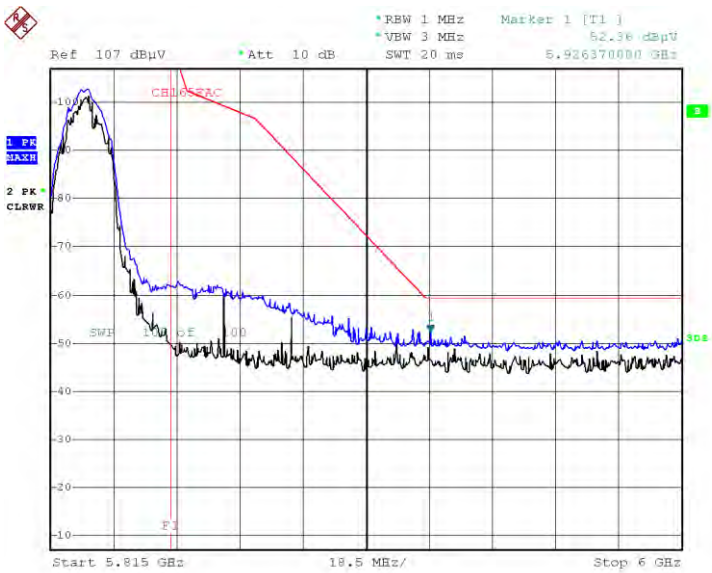
Date: 7.OCT.2019 17:08:22

Peak Reading (802.11a, Ch.165, Y-V)



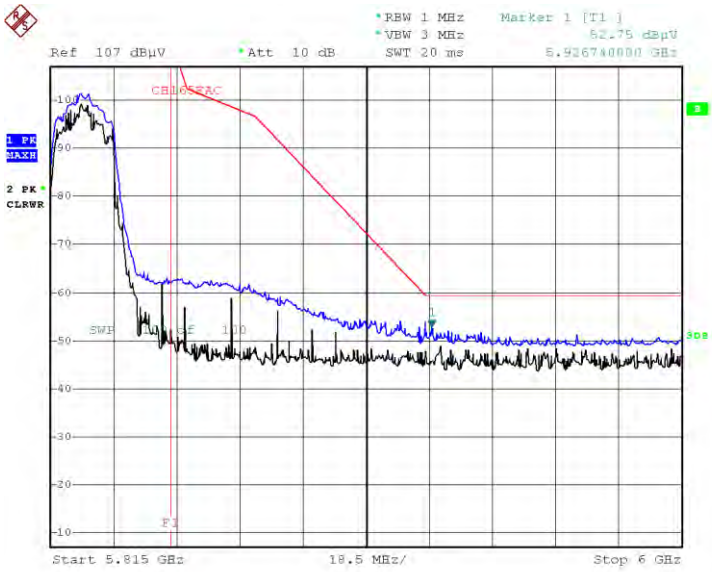
Date: 7.OCT.2019 16:43:12

Peak Reading (802.11n_HT20, Ch.165, Y-V)



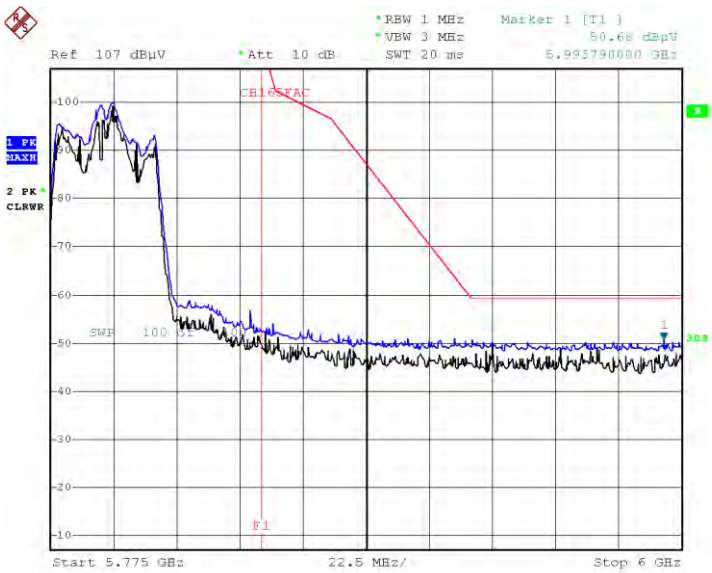
Date: 7.OCT.2019 16:45:03

Peak Reading (802.11ac_VHT20, Ch.165, Y-V)



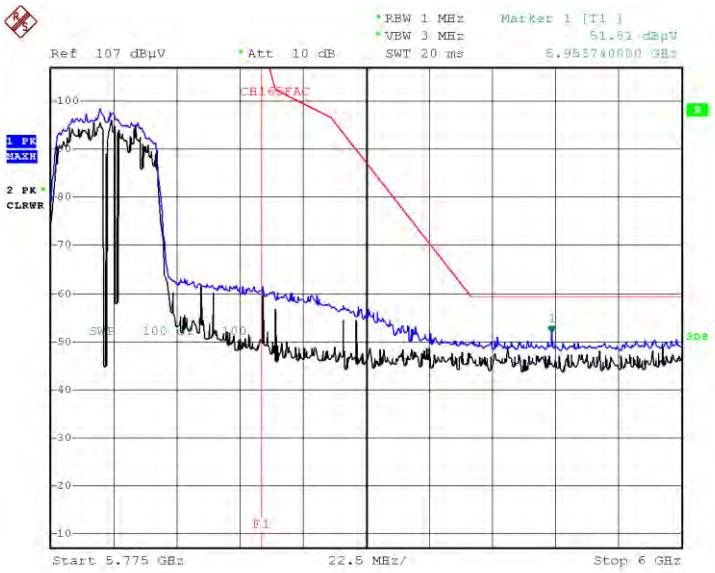
Date: 7.OCT.2019 16:47:04

Peak Reading (802.11n_HT40, Ch.159, Y-V)



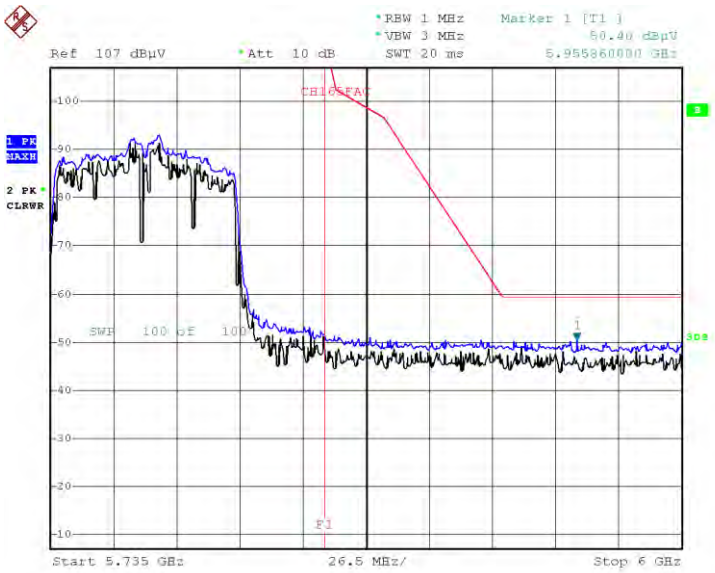
Date: 7.OCT.2019 16:48:24

Peak Reading (802.11ac_VHT40, Ch.159, Y-V)



Date: 7.OCT.2019 16:49:21

Peak Reading (802.11ac_VHT80, Ch.155, Y-V)



Date: 7.OCT.2019 16:50:35

10.10 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

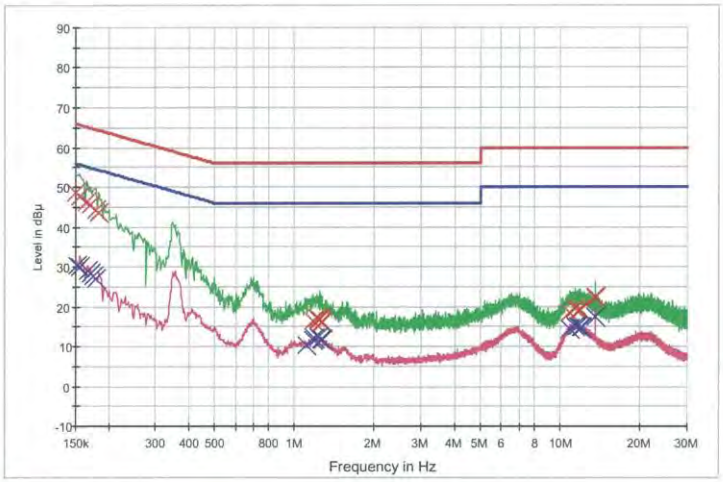
Test 1 / 2

HCT TEST Report

Common Information

EUT:	SM-G770F/DS
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	SM-G770F/DS_5G_L1

FCC CLASS B_Exten Cable



FCC CLASS B_QP
Preview Result 2-AVG
FCC CLASS B_ AV
Final Result 1-QPK
Preview Result 1-PK+
Final Result 2-CAV

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	48.7	9.000	Off	L1	9.8	17.3	66.0
0.156000	47.5	9.000	Off	L1	9.8	18.2	65.7
0.164000	46.3	9.000	Off	L1	9.8	18.9	65.3
0.170000	45.5	9.000	Off	L1	9.8	19.5	65.0
0.178000	44.1	9.000	Off	L1	9.8	20.5	64.6
0.184000	43.5	9.000	Off	L1	9.8	20.8	64.3
1.178000	16.5	9.000	Off	L1	9.9	39.5	56.0
1.214000	17.0	9.000	Off	L1	9.9	39.0	56.0
1.234000	16.7	9.000	Off	L1	9.9	39.3	56.0
1.246000	16.9	9.000	Off	L1	9.9	39.1	56.0
1.258000	15.9	9.000	Off	L1	9.9	40.1	56.0
1.272000	16.1	9.000	Off	L1	9.9	39.9	56.0
10.804000	18.6	9.000	Off	L1	10.3	41.4	60.0
11.328000	19.4	9.000	Off	L1	10.4	40.6	60.0
11.710000	19.1	9.000	Off	L1	10.4	40.9	60.0
11.852000	19.0	9.000	Off	L1	10.4	41.0	60.0
13.558000	22.2	9.000	Off	L1	10.4	37.8	60.0
13.562000	22.5	9.000	Off	L1	10.4	37.5	60.0

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Test 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	30.3	9.000	Off	L1	9.8	25.6	55.9
0.156000	29.8	9.000	Off	L1	9.8	25.8	55.7
0.166000	29.0	9.000	Off	L1	9.8	26.2	55.2
0.170000	28.4	9.000	Off	L1	9.8	26.5	55.0
0.174000	27.7	9.000	Off	L1	9.8	27.1	54.8
0.178000	27.1	9.000	Off	L1	9.8	27.5	54.6
1.110000	10.5	9.000	Off	L1	9.9	35.5	46.0
1.178000	11.6	9.000	Off	L1	9.9	34.4	46.0
1.192000	11.9	9.000	Off	L1	9.9	34.1	46.0
1.236000	12.2	9.000	Off	L1	9.9	33.8	46.0
1.258000	11.8	9.000	Off	L1	9.9	34.2	46.0
1.272000	11.6	9.000	Off	L1	9.9	34.4	46.0
10.804000	14.4	9.000	Off	L1	10.3	35.6	50.0
11.366000	15.1	9.000	Off	L1	10.4	34.9	50.0
11.566000	15.0	9.000	Off	L1	10.4	35.0	50.0
11.892000	14.6	9.000	Off	L1	10.4	35.4	50.0
12.076000	14.6	9.000	Off	L1	10.4	35.4	50.0
13.558000	17.5	9.000	Off	L1	10.4	32.5	50.0

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Conducted Emissions (Line 2)

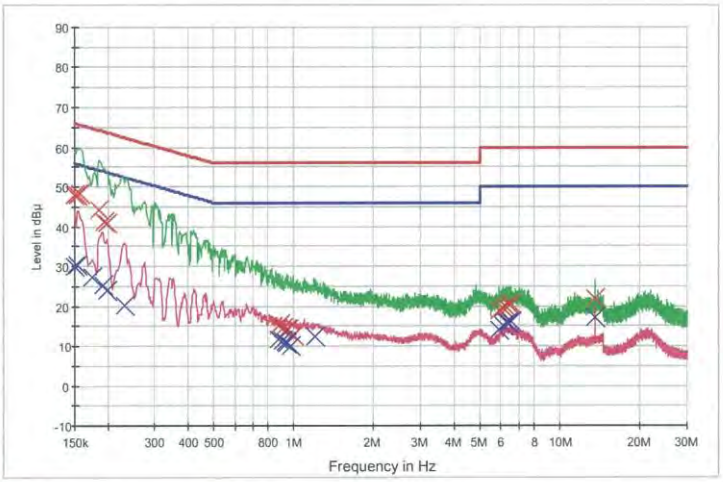
Test 1 / 2

HCT TEST Report

Common Information

EUT:	SM-G770F/DS
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	SM-G770F/DS_5G_N

FCC CLASS B_Exten Cable



FCC CLASS B_QP
Preview Result 2-AVG
FCC CLASS B_ AV
Final Result 1-QPK
Preview Result 1-PK+
Final Result 2-CAV

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	47.8	9.000	Off	N	9.8	18.2	66.0
0.154000	48.0	9.000	Off	N	9.8	17.7	65.8
0.158000	48.3	9.000	Off	N	9.8	17.3	65.6
0.186000	44.4	9.000	Off	N	9.8	19.8	64.2
0.194000	41.2	9.000	Off	N	9.8	22.7	63.9
0.198000	40.9	9.000	Off	N	9.8	22.8	63.7
0.882000	15.1	9.000	Off	N	9.8	40.9	56.0
0.892000	15.4	9.000	Off	N	9.8	40.6	56.0
0.906000	14.4	9.000	Off	N	9.9	41.6	56.0
0.946000	14.2	9.000	Off	N	9.9	41.8	56.0
0.950000	14.0	9.000	Off	N	9.9	42.0	56.0
0.992000	12.8	9.000	Off	N	9.9	43.2	56.0
5.892000	18.8	9.000	Off	N	10.1	41.2	60.0
6.136000	19.5	9.000	Off	N	10.1	40.5	60.0
6.282000	19.9	9.000	Off	N	10.2	40.1	60.0
6.518000	20.1	9.000	Off	N	10.2	39.9	60.0
6.526000	20.4	9.000	Off	N	10.2	39.6	60.0
13.562000	21.9	9.000	Off	N	10.5	38.1	60.0

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Test 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	29.9	9.000	Off	N	9.8	26.1	56.0
0.154000	30.4	9.000	Off	N	9.8	25.4	55.8
0.174000	27.4	9.000	Off	N	9.8	27.3	54.8
0.192000	25.3	9.000	Off	N	9.8	28.6	53.9
0.198000	24.0	9.000	Off	N	9.8	29.7	53.7
0.232000	20.0	9.000	Off	N	9.8	32.4	52.4
0.882000	11.8	9.000	Off	N	9.8	34.2	46.0
0.906000	11.5	9.000	Off	N	9.9	34.5	46.0
0.932000	10.9	9.000	Off	N	9.9	35.1	46.0
0.944000	10.7	9.000	Off	N	9.9	35.3	46.0
0.976000	9.9	9.000	Off	N	9.9	36.1	46.0
1.200000	12.3	9.000	Off	N	9.9	33.7	46.0
5.892000	14.2	9.000	Off	N	10.1	35.8	50.0
6.136000	15.1	9.000	Off	N	10.1	34.9	50.0
6.364000	15.8	9.000	Off	N	10.2	34.2	50.0
6.378000	15.9	9.000	Off	N	10.2	34.1	50.0
6.526000	16.1	9.000	Off	N	10.2	33.9	50.0
13.562000	17.2	9.000	Off	N	10.5	32.8	50.0

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11. LIST OF TEST EQUIPMENT

Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	12/12/2018	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/18/2019	Annual	100033
ESPAC	SU-642 /Temperature Chamber	03/12/2019	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	01/10/2019	Annual	MY49431210
Rohde & Schwarz	OSP 120 / Power Measurement Set	07/24/2019	Annual	101231
Agilent	N1911A / Power Meter	04/10/2019	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/10/2019	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/20/2018	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	05/24/2019	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/18/2019	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/02/2019	Annual	07560
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Audix	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	03/22/2019	Biennial	760
Schwarzbeck	VULB 9160 / TRILOG Antenna	08/09/2018	Biennial	9160-3368
Schwarzbeck	BBHA 9120D / Horn Antenna	04/29/2019	Biennial	9120D-937
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	05/09/2019	Annual	100854
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	07/31/2019	Annual	102168
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	05/23/2019	Annual	8
Wainwright Instruments	WHKX7.0/18G-8SS / High Pass Filter	05/03/2019	Annual	29
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/19/2019	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/03/2019	Annual	2
Api tech.	18B-03 / Attenuator (3 dB)	06/04/2019	Annual	1
Agilent	8493C-10 / Attenuator(10 dB)	07/15/2019	Annual	08285
CERNEX	CBLU1183540 / Power Amplifier	07/01/2019	Annual	22964
CERNEX	CBL06185030 / Power Amplifier	07/01/2019	Annual	22965
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/18/2019	Annual	25956

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

12. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-1910-FC002-P