

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5290016.04	16.04
100%		-30	5290012.35	12.35
100%		-20	5290028.86	28.86
100%		-10	5290002.86	2.86
100%		0	5290076.29	76.29
100%		+10	5290044.59	44.59
100%		+30	5290034.22	34.22
100%		+40	5290037.63	37.63
100%		+50	5290045.52	45.52
111%	16.00	+20	5290030.69	30.69
Batt. Endpoint	9.00	+20	5290094.52	94.52

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5530052.44	52.44
100%		-30	5530090.39	90.39
100%		-20	5530088.73	88.73
100%		-10	5530003.98	3.98
100%		0	5530009.24	9.24
100%		+10	5530065.89	65.89
100%		+30	5530015.73	15.73
100%		+40	5530074.32	74.32
100%		+50	5530049.21	49.21
111%	16.00	+20	5530009.20	9.20
Batt. Endpoint	9.00	+20	5530026.22	26.22

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: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5775029.33	29.33
100%		-30	5775098.42	98.42
100%		-20	5775059.03	59.03
100%		-10	5775037.62	37.62
100%		0	5775049.28	49.28
100%		+10	5775014.12	14.12
100%		+30	5775028.81	28.81
100%		+40	5775042.81	42.81
100%		+50	5775083.49	83.49
111%	16.00	+20	5775028.84	28.84
Batt. Endpoint	9.00	+20	5775064.46	64.46

Note:

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

2 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5210069.66	69.66
100%		-30	5210016.19	16.19
100%		-20	5210046.55	46.55
100%		-10	5210076.98	76.98
100%		0	5210049.36	49.36
100%		+10	5210068.84	68.84
100%		+30	5210066.23	66.23
100%		+40	5210052.93	52.93
100%		+50	5210055.33	55.33
111%	16.00	+20	5210001.33	1.33
Batt. Endpoint	9.00	+20	5210072.17	72.17

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: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5290027.31	27.31
100%		-30	5290023.46	23.46
100%		-20	5290032.28	32.28
100%		-10	5290065.54	65.54
100%		0	5290082.11	82.11
100%		+10	5290039.21	39.21
100%		+30	5290066.20	66.2
100%		+40	5290008.08	8.08
100%		+50	5290005.97	5.97
111%	16.00	+20	5290023.58	23.58
Batt. Endpoint	9.00	+20	5290027.79	27.79

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5530069.27	69.27
100%		-30	5530062.41	62.41
100%		-20	5530047.64	47.64
100%		-10	5530084.71	84.71
100%		0	5530012.87	12.87
100%		+10	5530022.75	22.75
100%		+30	5530095.44	95.44
100%		+40	5530001.33	1.33
100%		+50	5530005.22	5.22
111%	16.00	+20	5530075.45	75.45
Batt. Endpoint	9.00	+20	5530057.35	57.35

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5775097.76	97.76
100%		-30	5775015.84	15.84
100%		-20	5775080.94	80.94
100%		-10	5775066.77	66.77
100%		0	5775044.48	44.48
100%		+10	5775059.64	59.64
100%		+30	5775026.06	26.06
100%		+40	5775034.70	34.7
100%		+50	5775095.43	95.43
111%	16.00	+20	5775099.05	99.05
Batt. Endpoint	9.00	+20	5775096.65	96.65

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.

5 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5210033.77	33.77
100%		-30	5210095.89	95.89
100%		-20	5210056.02	56.02
100%		-10	5210042.59	42.59
100%		0	5210034.43	34.43
100%		+10	5210017.38	17.38
100%		+30	5210033.63	33.63
100%		+40	5210060.18	60.18
100%		+50	5210058.90	58.90
111%	16.00	+20	5210075.97	75.97
Batt. Endpoint	9.00	+20	5210070.95	70.95

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: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5290008.97	8.97
100%		-30	5290059.82	59.82
100%		-20	5290093.83	93.83
100%		-10	5290076.10	76.1
100%		0	5290006.38	6.38
100%		+10	5290024.92	24.92
100%		+30	5290088.74	88.74
100%		+40	5290040.14	40.14
100%		+50	5290070.20	70.20
111%	16.00	+20	5290013.91	13.91
Batt. Endpoint	9.00	+20	5290038.97	38.97

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5530099.19	99.19
100%		-30	5530021.32	21.32
100%		-20	5530030.90	30.9
100%		-10	5530030.50	30.5
100%		0	5530046.03	46.03
100%		+10	5530082.87	82.87
100%		+30	5530071.72	71.72
100%		+40	5530052.24	52.24
100%		+50	5530047.52	47.52
111%	16.00	+20	5530022.36	22.36
Batt. Endpoint	9.00	+20	5530008.24	8.24

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: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5775093.50	93.50
100%		-30	5775046.64	46.64
100%		-20	5775075.72	75.72
100%		-10	5775079.54	79.54
100%		0	5775051.31	51.31
100%		+10	5775019.79	19.79
100%		+30	5775066.97	66.97
100%		+40	5775007.73	7.73
100%		+50	5775092.34	92.34
111%	16.00	+20	5775056.04	56.04
Batt. Endpoint	9.00	+20	5775026.48	26.48

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.

10 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5210045.35	45.35
100%		-30	5210097.09	97.09
100%		-20	5210077.13	77.13
100%		-10	5210024.56	24.56
100%		0	5210060.70	60.70
100%		+10	5210079.12	79.12
100%		+30	5210074.95	74.95
100%		+40	5210040.20	40.20
100%		+50	5210038.95	38.95
111%	16.00	+20	5210089.74	89.74
Batt. Endpoint	9.00	+20	5210034.18	34.18

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 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5290072.46	72.46
100%		-30	5290067.46	67.46
100%		-20	5290046.09	46.09
100%		-10	5290042.30	42.3
100%		0	5290041.16	41.16
100%		+10	5290026.07	26.07
100%		+30	5290009.48	9.48
100%		+40	5290032.67	32.67
100%		+50	5290061.79	61.79
111%	16.00	+20	5290091.34	91.34
Batt. Endpoint	9.00	+20	5290064.88	64.88

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 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5530002.14	2.14
100%		-30	5530086.35	86.35
100%		-20	5530018.27	18.27
100%		-10	5530077.41	77.41
100%		0	5530040.38	40.38
100%		+10	5530004.07	4.07
100%		+30	5530024.42	24.42
100%		+40	5530005.94	5.94
100%		+50	5530074.11	74.11
111%	16.00	+20	5530090.24	90.24
Batt. Endpoint	9.00	+20	5530008.68	8.68

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 14.4 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	14.40	+20(Ref)	5775011.68	11.68
100%		-30	5775014.43	14.43
100%		-20	5775047.99	47.99
100%		-10	5775037.67	37.67
100%		0	5775080.29	80.29
100%		+10	5775067.83	67.83
100%		+30	5775083.35	83.35
100%		+40	5775064.70	64.7
100%		+50	5775073.46	73.46
111%	16.00	+20	5775004.17	4.17
Batt. Endpoint	9.00	+20	5775083.04	83.04

Note:

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

10.7 STRADDLE CHANNEL

10.7.1 26dB Bandwidth

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11a	UNII 2C	5720	144	5709.56	15.44
802.11n(HT20)				5709.36	15.64
802.11ac(VHT20)				5709.36	15.64
802.11a	UNII 3	5720	144	5730.36	5.36
802.11n(HT20)				5730.56	5.56
802.11ac(VHT20)				5730.64	5.64

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	5690.16	34.84
802.11ac(VHT40)				5690.08	34.92
802.11n(HT40)	UNII 3	5710	142	5729.92	4.92
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	5649.32	75.68
	UNII 3	5690	138	5730.68	5.68

Note:

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

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

■ Test Plots (26dB Bandwidth)

802.11a UNII Band



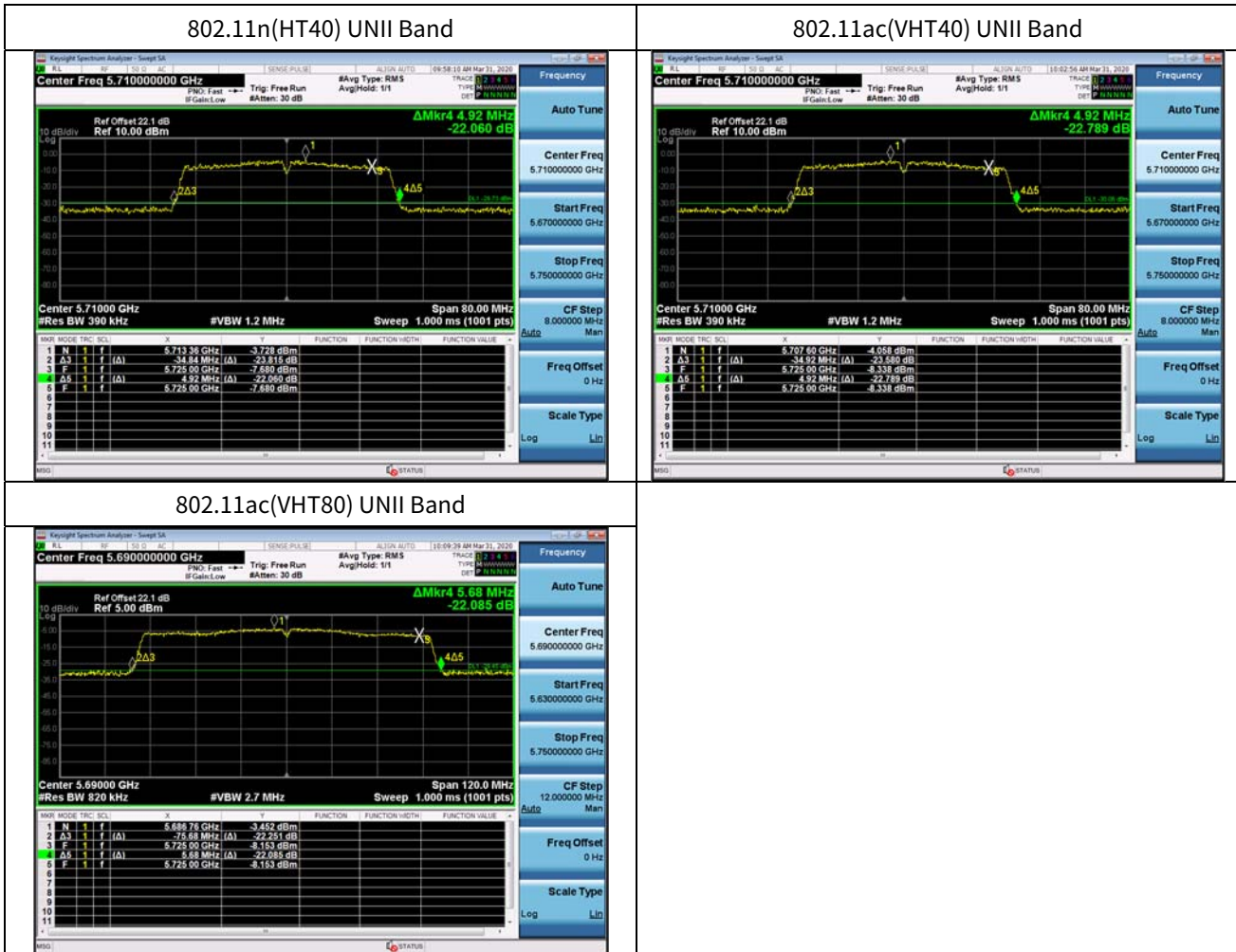
802.11n(HT20) UNII Band



802.11ac(VHT20) UNII Band



■ Test Plots (26dB Bandwidth)



10.7.2 6dB Bandwidth

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11a	UNII 3	5720	144	5728.20	3.20	> 0.5
802.11n(HT20)				5728.72	3.72	> 0.5
802.11ac(VHT20)				5728.20	3.20	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5727.92	2.92	> 0.5
802.11ac(VHT40)				5727.76	2.76	> 0.5

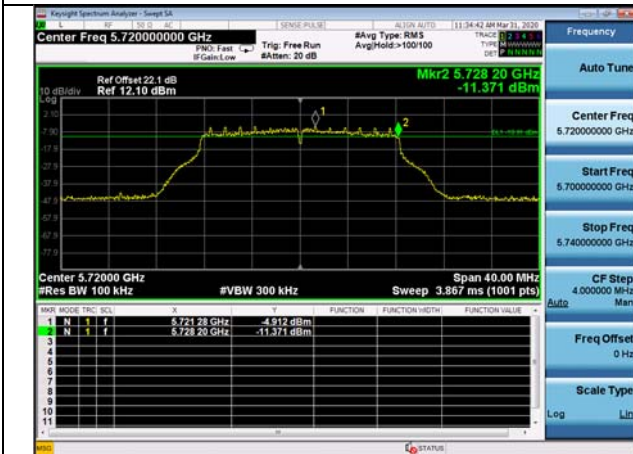
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5727.28	2.28	> 0.5

Note:

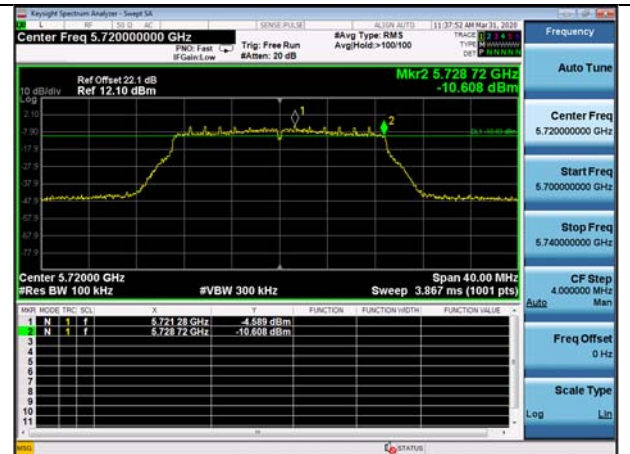
6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

■ Test Plots(UNII 3 Band 6dB Bandwidth)

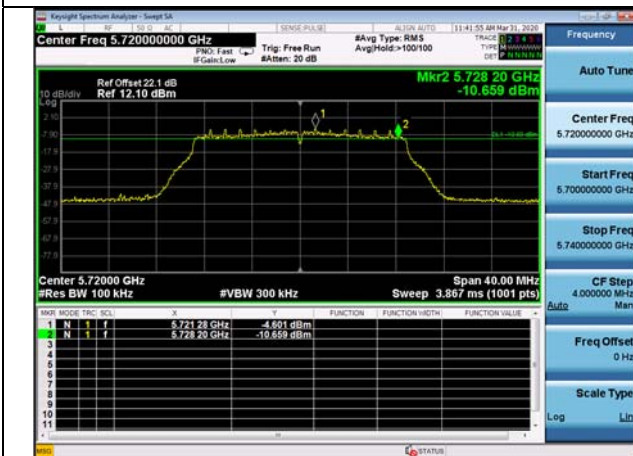
802.11a CH.144



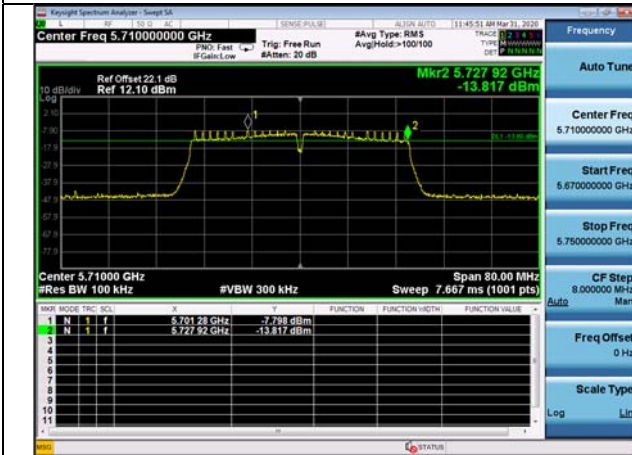
802.11n_HT20 CH.144



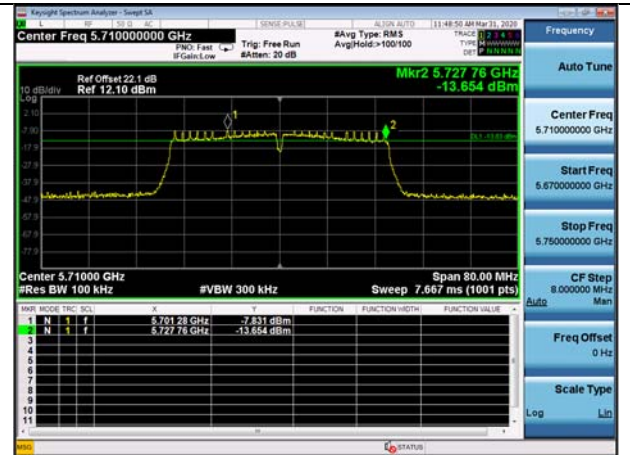
802.11ac_VHT20 CH.144



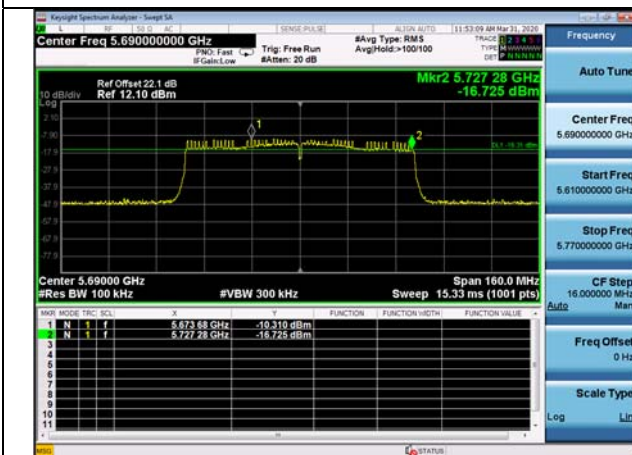
802.11n_HT40 CH.142



802.11ac_VHT40 CH.142



802.11ac_VHT80 CH.138



10.7.3 Output Power

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	5.32	0.572	5.89	22.89
802.11n(HT20)			5.25	0.320	5.57	22.94
802.11ac(VHT20)			5.07	0.599	5.67	22.94
802.11a	5720 (UNII 3 Band)	144	-2.08	0.572	-1.51	30.00
802.11n(HT20)			-1.55	0.320	-1.23	30.00
802.11ac(VHT20)			-1.73	0.599	-1.13	30.00

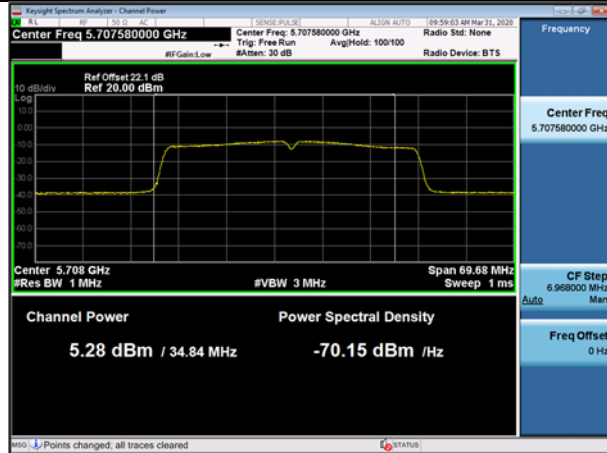
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	5.28	0.616	5.90	23.98
802.11ac(VHT40)			4.45	1.469	5.92	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	-6.69	0.616	-6.07	30.00
802.11ac(VHT40)			-7.46	1.469	-5.99	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	4.52	1.867	6.39	23.98
	5690 (UNII 3 Band)	138	-11.02	1.867	-9.15	30.00

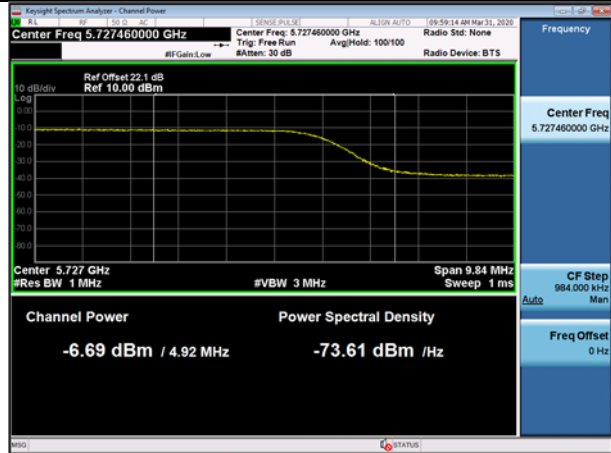
Test Plots



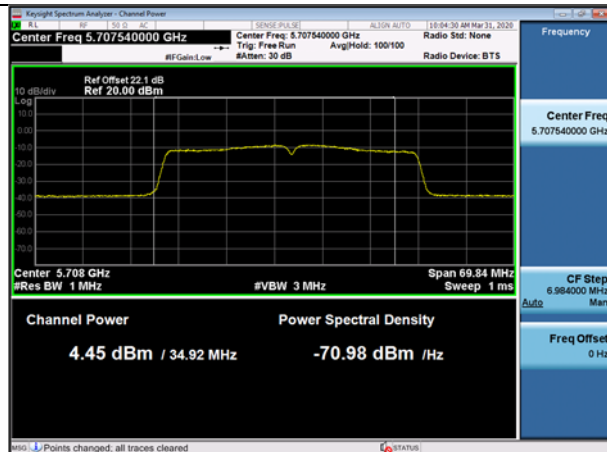
802.11n(HT40) UNII 2C Band



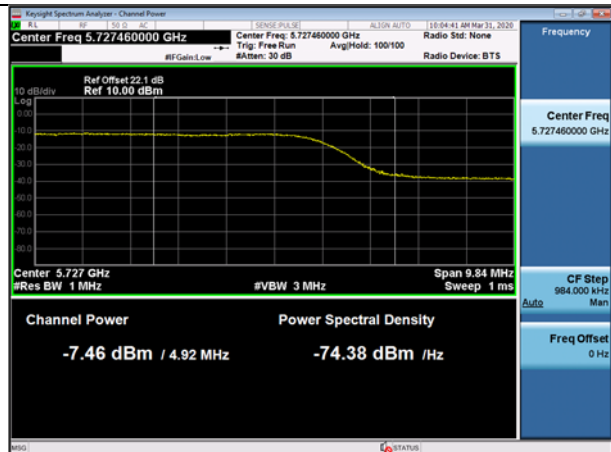
802.11n(HT40) UNII 3 Band



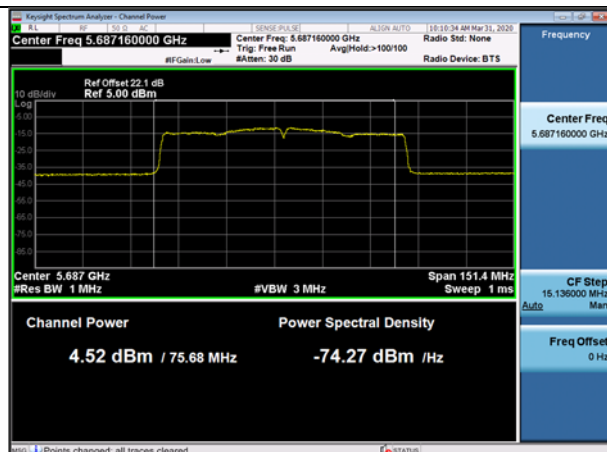
802.11ac(VHT40) UNII 2C Band



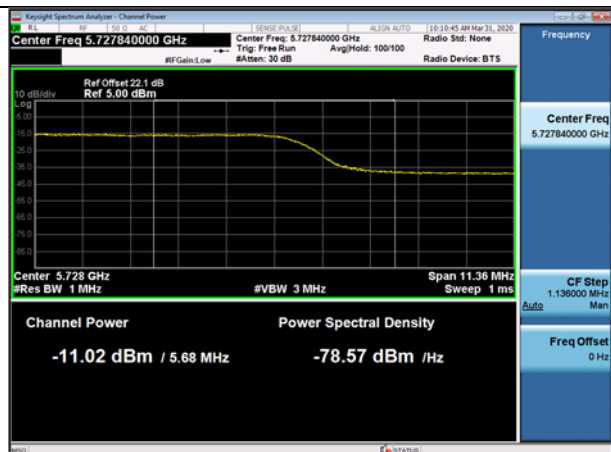
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.7.4 Power Spectral Density

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit
802.11a	5720 (UNII 2C Band)	144	-4.032	0.572	-3.460	11 dBm/MHz
802.11n(HT20)			-4.295	0.320	-3.975	
802.11ac(VHT20)			-4.343	0.599	-3.744	
802.11a	5720 (UNII 3 Band)	144	-9.229	0.572	-8.657	30 dBm/500kHz
802.11n(HT20)			-9.742	0.320	-9.422	
802.11ac(VHT20)			-9.435	0.599	-8.836	

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	-7.294	0.616	-6.678	11 dBm/MHz
802.11ac(VHT40)			-8.162	1.469	-6.693	
802.11n(HT40)	5710 (UNII 3 Band)	142	-14.172	0.616	-13.556	30 dBm/500kHz
802.11ac(VHT40)			-13.958	1.469	-12.489	

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-11.685	1.867	-9.818	11 dBm/MHz
	5690 (UNII 3 Band)	138	-17.165	1.867	-15.298	30 dBm/500kHz

Test Plots

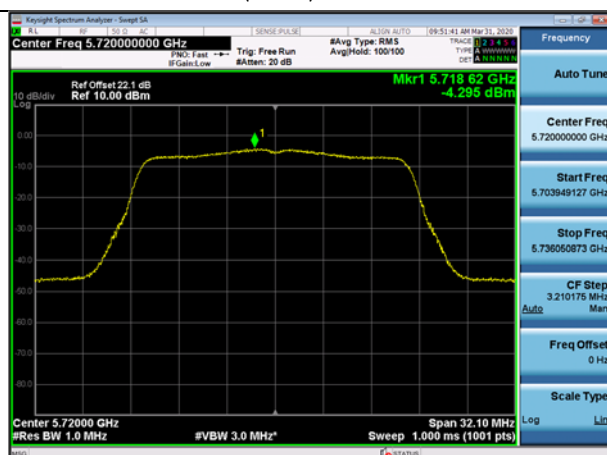
802.11a UNII 2C Band



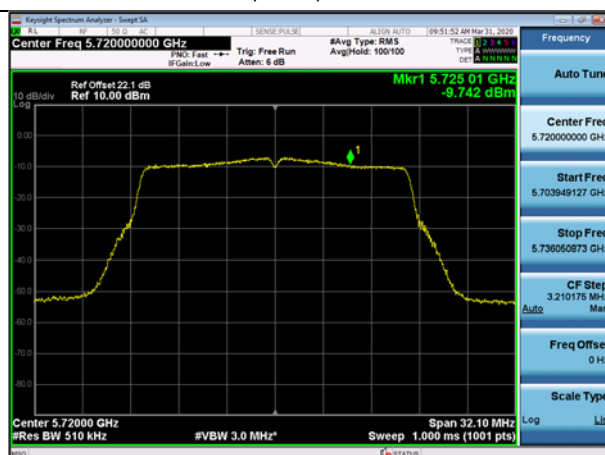
802.11a UNII 3 Band



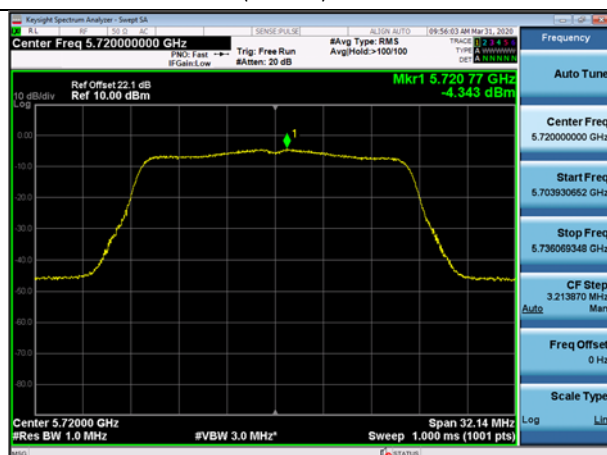
802.11n(HT20) UNII 2C Band



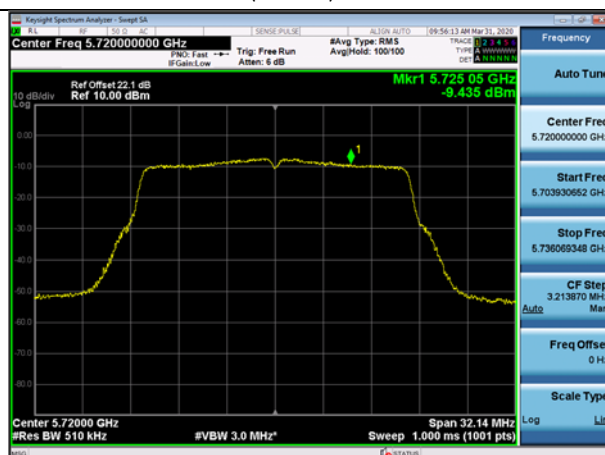
802.11n(HT20) UNII 3 Band



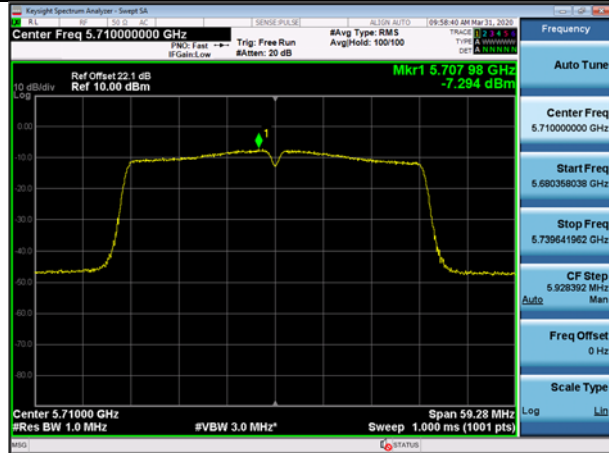
802.11ac(VHT20) UNII 2C Band



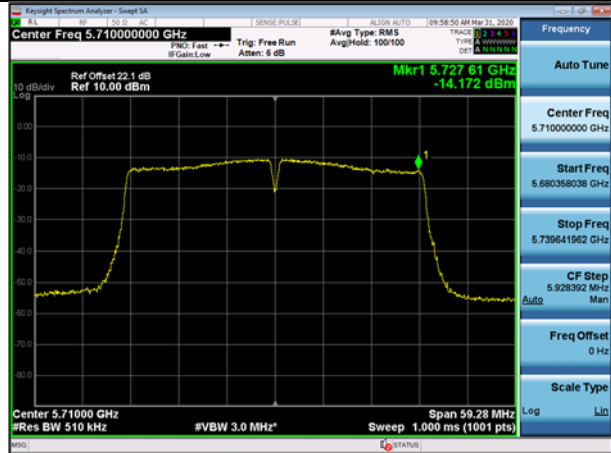
802.11ac(VHT20) UNII 3 Band



802.11n(HT40) UNII 2C Band



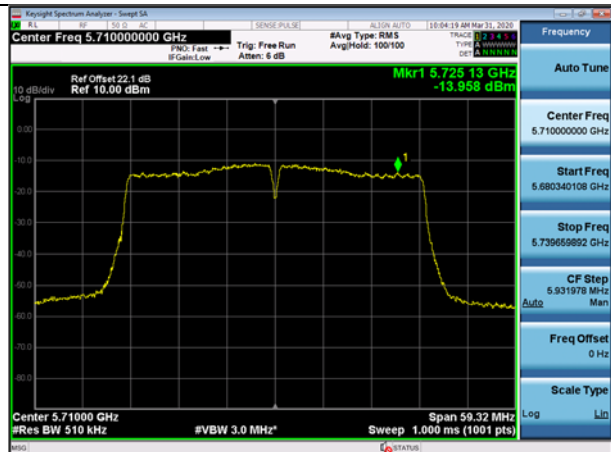
802.11n(HT40) UNII 3 Band



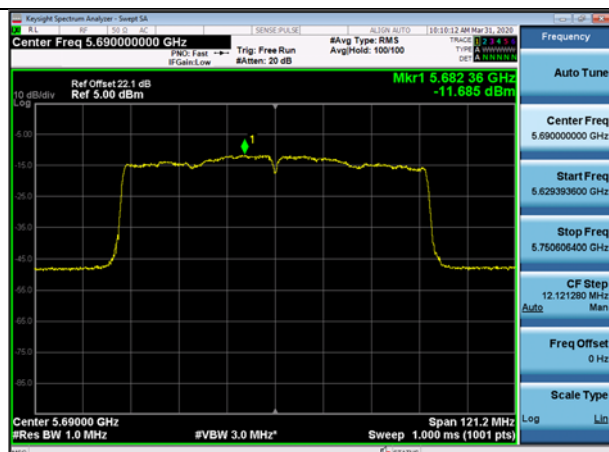
802.11ac(VHT40) UNII 2C Band



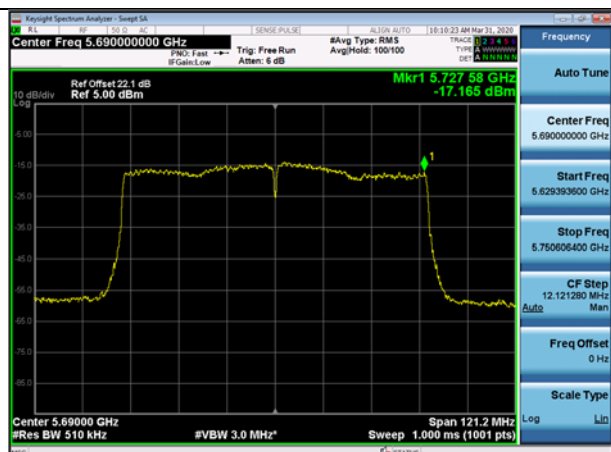
802.11ac(VHT40) UNII 3 Band



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 = $40\log(\text{specific distance} / \text{test distance})$ (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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	46.89	4.71	V	51.60	68.20	16.60	PK
15540	49.88	5.57	V	55.45	73.98	18.53	PK
15540	33.82	5.57	V	39.39	53.98	14.59	AV
10360	47.66	4.71	H	52.37	68.20	15.83	PK
15540	49.75	5.57	H	55.32	73.98	18.66	PK
15540	33.57	5.57	H	39.14	53.98	14.84	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	47.81	4.43	V	52.24	68.20	15.96	PK
15600	52.39	4.77	V	57.16	73.98	16.82	PK
15600	35.00	4.77	V	39.77	53.98	14.21	AV
10400	48.39	4.43	H	52.82	68.20	15.38	PK
15600	51.60	4.77	H	56.37	73.98	17.61	PK
15600	34.69	4.77	H	39.46	53.98	14.52	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	47.57	4.84	V	52.41	68.20	15.79	PK
15720	49.76	3.99	V	53.75	73.98	20.23	PK
15720	34.03	3.99	V	38.02	53.98	15.96	AV
10480	48.06	4.84	H	52.90	68.20	15.30	PK
15720	48.36	3.99	H	52.35	73.98	21.63	PK
15720	33.75	3.99	H	37.74	53.98	16.24	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	48.69	4.58	V	53.27	68.20	14.93	PK
15780	48.71	4.55	V	53.26	73.98	20.72	PK
15780	33.58	4.55	V	38.13	53.98	15.85	AV
10520	48.29	4.58	H	52.87	68.20	15.33	PK
15780	48.33	4.55	H	52.88	73.98	21.10	PK
15780	33.10	4.55	H	37.65	53.98	16.33	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	49.18	4.79	V	53.97	73.98	20.01	PK
10600	36.96	4.79	V	41.75	53.98	12.23	AV
15900	50.18	5.29	V	55.47	73.98	18.51	PK
15900	33.54	5.29	V	38.83	53.98	15.15	AV
10600	48.78	4.79	H	53.57	73.98	20.41	PK
10600	36.15	4.79	H	40.94	53.98	13.04	AV
15900	49.31	5.29	H	54.60	73.98	19.38	PK
15900	33.25	5.29	H	38.54	53.98	15.44	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 G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	48.88	4.82	V	53.70	73.98	20.28	PK
10640	36.07	4.82	V	40.89	53.98	13.09	AV
15960	48.87	4.71	V	53.58	73.98	20.40	PK
15960	33.44	4.71	V	38.15	53.98	15.83	AV
10640	48.14	4.82	H	52.96	73.98	21.02	PK
10640	36.00	4.82	H	40.82	53.98	13.16	AV
15960	47.69	4.71	H	52.40	73.98	21.58	PK
15960	32.15	4.71	H	36.86	53.98	17.12	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 G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	47.28	4.61	V	51.89	73.98	22.09	PK
11000	35.37	4.61	V	39.98	53.98	14.00	AV
16500	46.99	7.08	V	54.07	68.20	14.13	PK
11000	47.90	4.61	H	52.51	73.98	21.47	PK
11000	35.66	4.61	H	40.27	53.98	13.71	AV
16500	46.73	7.08	H	53.81	68.20	14.39	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	48.36	4.37	V	52.73	73.98	21.25	PK
11160	35.19	4.37	V	39.56	53.98	14.42	AV
16740	47.67	8.84	V	56.51	68.20	11.69	PK
11160	48.63	4.37	H	53.00	73.98	20.98	PK
11160	35.35	4.37	H	39.72	53.98	14.26	AV
16740	47.18	8.84	H	56.02	68.20	12.18	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 G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	48.35	4.60	V	52.95	73.98	21.03	PK
11440	39.33	4.60	V	43.93	53.98	10.05	AV
17160	48.49	9.39	V	57.88	68.20	10.32	PK
11440	49.64	4.60	H	54.24	73.98	19.74	PK
11440	39.94	4.60	H	44.54	53.98	9.44	AV
17160	48.24	9.39	H	57.63	68.20	10.57	PK

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 [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	48.99	4.40	V	53.39	73.98	20.59	PK
11490	39.61	4.40	V	44.01	53.98	9.97	AV
17235	46.07	10.06	V	56.13	68.20	12.07	PK
11490	49.82	4.40	H	54.22	73.98	19.76	PK
11490	40.24	4.40	H	44.64	53.98	9.34	AV
17235	46.59	10.06	H	56.65	68.20	11.55	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	47.37	5.13	V	52.50	73.98	21.48	PK
11570	36.31	5.13	V	41.44	53.98	12.54	AV
17355	45.98	10.65	V	56.63	68.20	11.57	PK
11570	47.92	5.13	H	53.05	73.98	20.93	PK
11570	39.63	5.13	H	44.76	53.98	9.22	AV
17355	46.85	10.65	H	57.50	68.20	10.70	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	48.89	4.40	V	53.29	73.98	20.69	PK
11650	40.22	4.40	V	44.62	53.98	9.36	AV
17475	47.23	10.73	V	57.96	68.20	10.24	PK
11650	49.61	4.40	H	54.01	73.98	19.97	PK
11650	40.33	4.40	H	44.73	53.98	9.25	AV
17475	47.58	10.73	H	58.31	68.20	9.89	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	47.63	4.71	V	52.34	68.20	15.86	PK
15540	52.99	5.57	V	58.56	73.98	15.42	PK
15540	33.54	5.57	V	39.11	53.98	14.87	AV
10360	47.83	4.71	H	52.54	68.20	15.66	PK
15540	51.64	5.57	H	57.21	73.98	16.77	PK
15540	33.28	5.57	H	38.85	53.98	15.13	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	47.09	4.43	V	51.52	68.20	16.68	PK
15600	52.70	4.77	V	57.47	73.98	16.51	PK
15600	34.31	4.77	V	39.08	53.98	14.90	AV
10400	48.23	4.43	H	52.66	68.20	15.54	PK
15600	51.65	4.77	H	56.42	73.98	17.56	PK
15600	33.65	4.77	H	38.42	53.98	15.56	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	47.07	4.84	V	51.91	68.20	16.29	PK
15720	51.67	3.99	V	55.66	73.98	18.32	PK
15720	33.41	3.99	V	37.40	53.98	16.58	AV
10480	47.14	4.84	H	51.98	68.20	16.22	PK
15720	50.62	3.99	H	54.61	73.98	19.37	PK
15720	33.17	3.99	H	37.16	53.98	16.82	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	47.99	4.58	V	52.57	68.20	15.63	PK
15780	51.39	4.55	V	55.94	73.98	18.04	PK
15780	32.86	4.55	V	37.41	53.98	16.57	AV
10520	47.46	4.58	H	52.04	68.20	16.16	PK
15780	50.69	4.55	H	55.24	73.98	18.74	PK
15780	32.13	4.55	H	36.68	53.98	17.30	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	48.81	4.79	V	53.60	73.98	20.38	PK
10600	36.78	4.79	V	41.57	53.98	12.41	AV
15900	47.70	5.29	V	52.99	73.98	20.99	PK
15900	32.59	5.29	V	37.88	53.98	16.10	AV
10600	48.22	4.79	H	53.01	73.98	20.97	PK
10600	36.08	4.79	H	40.87	53.98	13.11	AV
15900	47.09	5.29	H	52.38	73.98	21.60	PK
15900	32.31	5.29	H	37.60	53.98	16.38	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	47.71	4.82	V	52.53	73.98	21.45	PK
10640	35.84	4.82	V	40.66	53.98	13.32	AV
15960	48.67	4.71	V	53.38	73.98	20.60	PK
15960	32.83	4.71	V	37.54	53.98	16.44	AV
10640	46.58	4.82	H	51.40	73.98	22.58	PK
10640	34.26	4.82	H	39.08	53.98	14.90	AV
15960	48.61	4.71	H	53.32	73.98	20.66	PK
15960	32.22	4.71	H	36.93	53.98	17.05	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	45.98	4.61	V	50.59	73.98	23.39	PK
11000	34.22	4.61	V	38.83	53.98	15.15	AV
16500	46.35	7.08	V	53.43	68.20	14.77	PK
11000	46.44	4.61	H	51.05	73.98	22.93	PK
11000	34.96	4.61	H	39.57	53.98	14.41	AV
16500	46.08	7.08	H	53.16	68.20	15.04	PK

Band : UNII 2C
 Operation Mode: 802.11 n(HT20)
 Transfer MCS Index: MCS0
 Operating Frequency 5580 MHz
 Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	46.87	4.37	V	51.24	73.98	22.74	PK
11160	34.29	4.37	V	38.66	53.98	15.32	AV
16740	46.74	8.84	V	55.58	68.20	12.62	PK
11160	47.28	4.37	H	51.65	73.98	22.33	PK
11160	34.67	4.37	H	39.04	53.98	14.94	AV
16740	46.26	8.84	H	55.10	68.20	13.10	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	46.06	4.60	V	50.66	73.98	23.32	PK
11440	36.88	4.60	V	41.48	53.98	12.50	AV
17160	45.07	9.39	V	54.46	68.20	13.74	PK
11440	48.35	4.60	H	52.95	73.98	21.03	PK
11440	39.17	4.60	H	43.77	53.98	10.21	AV
17160	44.87	9.39	H	54.26	68.20	13.94	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	46.99	4.40	V	51.39	73.98	22.59	PK
11490	36.87	4.40	V	41.27	53.98	12.71	AV
17235	44.69	10.06	V	54.75	68.20	13.45	PK
11490	48.92	4.40	H	53.32	73.98	20.66	PK
11490	39.64	4.40	H	44.04	53.98	9.94	AV
17235	44.92	10.06	H	54.98	68.20	13.22	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	47.15	5.13	V	52.28	73.98	21.70	PK
11570	37.21	5.13	V	42.34	53.98	11.64	AV
17355	45.98	10.65	V	56.63	68.20	11.57	PK
11570	47.59	5.13	H	52.72	73.98	21.26	PK
11570	39.16	5.13	H	44.29	53.98	9.69	AV
17355	46.30	10.65	H	56.95	68.20	11.25	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	47.93	4.40	V	52.33	73.98	21.65	PK
11650	36.75	4.40	V	41.15	53.98	12.83	AV
17475	46.28	10.73	V	57.01	68.20	11.19	PK
11650	47.96	4.40	H	52.36	73.98	21.62	PK
11650	39.97	4.40	H	44.37	53.98	9.61	AV
17475	46.77	10.73	H	57.50	68.20	10.70	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	46.22	4.71	V	50.93	68.20	17.27	PK
15540	49.90	5.57	V	55.47	73.98	18.51	PK
15540	32.85	5.57	V	38.42	53.98	15.56	AV
10360	47.32	4.71	H	52.03	68.20	16.17	PK
15540	49.37	5.57	H	54.93	73.98	19.05	PK
15540	32.06	5.57	H	37.63	53.98	16.35	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	46.61	4.43	V	51.04	68.20	17.16	PK
15600	52.54	4.77	V	57.31	73.98	16.67	PK
15600	33.74	4.77	V	38.51	53.98	15.47	AV
10400	47.32	4.43	H	51.75	68.20	16.45	PK
15600	51.30	4.77	H	56.07	73.98	17.91	PK
15600	32.90	4.77	H	37.67	53.98	16.31	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	46.21	4.84	V	51.05	68.20	17.15	PK
15720	50.00	3.99	V	53.99	73.98	19.99	PK
15720	32.80	3.99	V	36.79	53.98	17.19	AV
10480	46.87	4.84	H	51.71	68.20	16.49	PK
15720	48.90	3.99	H	52.89	73.98	21.09	PK
15720	31.69	3.99	H	35.68	53.98	18.30	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	48.29	4.58	V	52.87	68.20	15.33	PK
15780	46.29	4.55	V	50.84	73.98	23.14	PK
15780	32.12	4.55	V	36.67	53.98	17.31	AV
10520	48.11	4.58	H	52.69	68.20	15.51	PK
15780	45.86	4.55	H	50.41	73.98	23.57	PK
15780	31.94	4.55	H	36.49	53.98	17.49	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	48.07	4.79	V	52.86	73.98	21.12	PK
10600	35.74	4.79	V	40.53	53.98	13.45	AV
15900	47.35	5.29	V	52.64	73.98	21.34	PK
15900	31.83	5.29	V	37.12	53.98	16.86	AV
10600	48.02	4.79	H	52.81	73.98	21.17	PK
10600	35.10	4.79	H	39.89	53.98	14.09	AV
15900	47.31	5.29	H	52.60	73.98	21.38	PK
15900	31.78	5.29	H	37.07	53.98	16.91	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	46.91	4.82	V	51.73	73.98	22.25	PK
10640	34.91	4.82	V	39.73	53.98	14.25	AV
15960	47.58	4.71	V	52.29	73.98	21.69	PK
15960	32.05	4.71	V	36.76	53.98	17.22	AV
10640	45.99	4.82	H	50.81	73.98	23.17	PK
10640	33.68	4.82	H	38.50	53.98	15.48	AV
15960	47.21	4.71	H	51.92	73.98	22.06	PK
15960	31.44	4.71	H	36.15	53.98	17.83	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	46.10	4.61	V	50.71	73.98	23.27	PK
11000	33.67	4.61	V	38.28	53.98	15.70	AV
16500	45.94	7.08	V	53.02	68.20	15.18	PK
11000	46.25	4.61	H	50.86	73.98	23.12	PK
11000	34.48	4.61	H	39.09	53.98	14.89	AV
16500	45.49	7.08	H	52.57	68.20	15.63	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5580 MHz

Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	46.48	4.37	V	50.85	73.98	23.13	PK
11160	33.07	4.37	V	37.44	53.98	16.54	AV
16740	45.89	8.84	V	54.73	68.20	13.47	PK
11160	47.08	4.37	H	51.45	73.98	22.53	PK
11160	33.97	4.37	H	38.34	53.98	15.64	AV
16740	45.29	8.84	H	54.13	68.20	14.07	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	46.93	4.60	V	51.53	73.98	22.45	PK
11440	38.12	4.60	V	42.72	53.98	11.26	AV
17160	47.75	9.39	V	57.14	68.20	11.06	PK
11440	47.77	4.60	H	52.37	73.98	21.61	PK
11440	39.11	4.60	H	43.71	53.98	10.27	AV
17160	47.39	9.39	H	56.78	68.20	11.42	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	48.10	4.40	V	52.50	73.98	21.48	PK
11490	37.39	4.40	V	41.79	53.98	12.19	AV
17235	44.98	10.06	V	55.04	68.20	13.16	PK
11490	48.28	4.40	H	52.68	73.98	21.30	PK
11490	39.74	4.40	H	44.14	53.98	9.84	AV
17235	45.02	10.06	H	55.08	68.20	13.12	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	47.67	5.13	V	52.80	73.98	21.18	PK
11570	37.58	5.13	V	42.71	53.98	11.27	AV
17355	46.04	10.65	V	56.69	68.20	11.51	PK
11570	47.97	5.13	H	53.10	73.98	20.88	PK
11570	39.24	5.13	H	44.37	53.98	9.61	AV
17355	46.52	10.65	H	57.17	68.20	11.03	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	48.11	4.40	V	52.51	73.98	21.47	PK
11650	37.39	4.40	V	41.79	53.98	12.19	AV
17475	45.95	10.73	V	56.68	68.20	11.52	PK
11650	48.23	4.40	H	52.63	73.98	21.35	PK
11650	39.78	4.40	H	44.18	53.98	9.80	AV
17475	46.43	10.73	H	57.16	68.20	11.04	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10380	46.55	4.71	V	51.26	68.20	16.94	PK
15570	45.39	4.94	V	50.33	73.98	23.65	PK
15570	33.08	4.94	V	38.02	53.98	15.96	AV
10380	47.27	4.71	H	51.98	68.20	16.22	PK
15570	46.25	4.94	H	51.19	73.98	22.79	PK
15570	33.16	4.94	H	38.10	53.98	15.88	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10460	45.69	4.89	V	50.58	68.20	17.62	PK
15690	45.07	4.13	V	49.20	73.98	24.78	PK
15690	32.01	4.13	V	36.14	53.98	17.84	AV
10460	46.49	4.89	H	51.38	68.20	16.82	PK
15690	45.70	4.13	H	49.83	73.98	24.15	PK
15690	32.54	4.13	H	36.67	53.98	17.31	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10540	47.22	4.68	V	51.90	68.20	16.30	PK
15810	48.65	5.20	V	53.85	73.98	20.13	PK
15810	32.86	5.20	V	38.06	53.98	15.92	AV
10540	46.87	4.68	H	51.55	68.20	16.65	PK
15810	47.33	5.20	H	52.53	73.98	21.45	PK
15810	32.47	5.20	H	37.67	53.98	16.31	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10620	46.87	5.37	V	52.24	73.98	21.74	PK
10620	35.87	5.37	V	41.24	53.98	12.74	AV
15930	44.77	4.96	V	49.73	73.98	24.25	PK
15930	32.29	4.96	V	37.25	53.98	16.73	AV
10620	46.39	5.37	H	51.76	73.98	22.22	PK
10620	34.96	5.37	H	40.33	53.98	13.65	AV
15930	44.31	4.96	H	49.27	73.98	24.71	PK
15930	31.38	4.96	H	36.34	53.98	17.64	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11020	45.39	4.84	V	50.23	73.98	23.75	PK
11020	34.26	4.84	V	39.10	53.98	14.88	AV
16530	45.84	7.31	V	53.15	68.20	15.05	PK
11020	46.02	4.84	H	50.86	73.98	23.12	PK
11020	34.80	4.84	H	39.64	53.98	14.34	AV
16530	45.33	7.31	H	52.64	68.20	15.56	PK

Band : UNII 2C
 Operation Mode: 802.11 n(HT40)
 Transfer MCS Index: MCS0
 Operating Frequency 5550 MHz
 Channel No. 110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	46.42	4.80	V	51.22	73.98	22.76	PK
11100	34.89	4.80	V	39.69	53.98	14.29	AV
16650	45.30	8.45	V	53.75	68.20	14.45	PK
11100	46.84	4.80	H	51.64	73.98	22.34	PK
11100	35.46	4.80	H	40.26	53.98	13.72	AV
16650	45.15	8.45	H	53.60	68.20	14.60	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11420	46.69	4.88	V	51.57	73.98	22.41	PK
11420	36.63	4.88	V	41.51	53.98	12.47	AV
17130	46.18	9.05	V	55.23	68.20	12.97	PK
11420	48.23	4.88	H	53.11	73.98	20.87	PK
11420	40.24	4.88	H	45.12	53.98	8.86	AV
17130	45.61	9.05	H	54.66	68.20	13.54	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	46.88	4.41	V	51.29	73.98	22.69	PK
11510	37.12	4.41	V	41.53	53.98	12.45	AV
17265	44.87	10.08	V	54.95	68.20	13.25	PK
11510	49.17	4.41	H	53.58	73.98	20.40	PK
11510	40.25	4.41	H	44.66	53.98	9.32	AV
17265	45.58	10.08	H	55.66	68.20	12.54	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	47.69	4.75	V	52.44	73.98	21.54	PK
11590	36.89	4.75	V	41.64	53.98	12.34	AV
17385	45.69	10.52	V	56.21	68.20	11.99	PK
11590	48.24	4.75	H	52.99	73.98	20.99	PK
11590	40.58	4.75	H	45.33	53.98	8.65	AV
17385	46.41	10.52	H	56.93	68.20	11.27	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10380	46.34	4.71	V	51.05	68.20	17.15	PK
15570	45.27	4.94	V	50.21	73.98	23.77	PK
15570	33.07	4.94	V	38.01	53.98	15.97	AV
10380	47.55	4.71	H	52.26	68.20	15.94	PK
15570	45.81	4.94	H	50.75	73.98	23.23	PK
15570	33.32	4.94	H	38.26	53.98	15.72	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10460	46.73	4.89	V	51.62	68.20	16.58	PK
15690	46.48	4.13	V	50.61	73.98	23.37	PK
15690	32.98	4.13	V	37.11	53.98	16.87	AV
10460	47.23	4.89	H	52.12	68.20	16.08	PK
15690	46.83	4.13	H	50.96	73.98	23.02	PK
15690	33.23	4.13	H	37.36	53.98	16.62	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10540	47.45	4.68	V	52.13	68.20	16.07	PK
15810	47.94	5.20	V	53.14	73.98	20.84	PK
15810	33.37	5.20	V	38.57	53.98	15.41	AV
10540	47.09	4.68	H	51.77	68.20	16.43	PK
15810	47.29	5.20	H	52.49	73.98	21.49	PK
15810	33.21	5.20	H	38.41	53.98	15.57	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10620	47.75	5.37	V	53.12	73.98	20.86	PK
10620	36.51	5.37	V	41.88	53.98	12.10	AV
15930	45.65	4.96	V	50.61	73.98	23.37	PK
15930	32.95	4.96	V	37.91	53.98	16.07	AV
10620	46.58	5.37	H	51.95	73.98	22.03	PK
10620	36.22	5.37	H	41.59	53.98	12.39	AV
15930	44.39	4.96	H	49.35	73.98	24.63	PK
15930	32.78	4.96	H	37.74	53.98	16.24	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11020	46.18	4.84	V	51.02	73.98	22.96	PK
11020	35.17	4.84	V	40.01	53.98	13.97	AV
16530	45.78	7.31	V	53.09	68.20	15.11	PK
11020	46.82	4.84	H	51.66	73.98	22.32	PK
11020	35.57	4.84	H	40.41	53.98	13.57	AV
16530	44.96	7.31	H	52.27	68.20	15.93	PK

Band : UNII 2C
 Operation Mode: 802.11 ac(VHT40)
 Transfer MCS Index: MCS0
 Operating Frequency 5550 MHz
 Channel No. 110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	46.31	4.80	V	51.11	73.98	22.87	PK
11100	36.28	4.80	V	41.08	53.98	12.90	AV
16650	45.56	8.45	V	54.01	68.20	14.19	PK
11100	47.68	4.80	H	52.48	73.98	21.50	PK
11100	36.50	4.80	H	41.30	53.98	12.68	AV
16650	45.33	8.45	H	53.78	68.20	14.42	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11420	47.69	4.88	V	52.57	73.98	21.41	PK
11420	39.20	4.88	V	44.08	53.98	9.90	AV
17130	46.20	9.05	V	55.25	68.20	12.95	PK
11420	48.55	4.88	H	53.43	73.98	20.55	PK
11420	40.18	4.88	H	45.06	53.98	8.92	AV
17130	45.63	9.05	H	54.68	68.20	13.52	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	46.95	4.41	V	51.36	73.98	22.62	PK
11510	37.02	4.41	V	41.43	53.98	12.55	AV
17265	45.21	10.08	V	55.29	68.20	12.91	PK
11510	48.58	4.41	H	52.99	73.98	20.99	PK
11510	39.92	4.41	H	44.33	53.98	9.65	AV
17265	45.31	10.08	H	55.39	68.20	12.81	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	47.86	4.75	V	52.61	73.98	21.37	PK
11590	36.88	4.75	V	41.63	53.98	12.35	AV
17385	46.08	10.52	V	56.60	68.20	11.60	PK
11590	48.38	4.75	H	53.13	73.98	20.85	PK
11590	40.31	4.75	H	45.06	53.98	8.92	AV
17385	46.23	10.52	H	56.75	68.20	11.45	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10420	46.73	4.18	V	50.91	68.20	17.29	PK
15630	46.94	4.50	V	51.44	73.98	22.54	PK
15630	34.84	4.50	V	39.34	53.98	14.64	AV
10420	46.58	4.18	H	50.76	68.20	17.44	PK
15630	46.30	4.50	H	50.80	73.98	23.18	PK
15630	34.39	4.50	H	38.89	53.98	15.09	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10580	47.24	4.56	V	51.80	68.20	16.40	PK
15870	46.17	5.89	V	52.06	73.98	21.92	PK
15870	34.47	5.89	V	40.36	53.98	13.62	AV
10580	47.21	4.56	H	51.77	68.20	16.43	PK
15870	46.11	5.89	H	52.00	73.98	21.98	PK
15870	34.18	5.89	H	40.07	53.98	13.91	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11060	46.20	5.10	V	51.30	73.98	22.68	PK
11060	34.21	5.10	V	39.31	53.98	14.67	AV
16590	45.28	7.84	V	53.12	68.20	15.08	PK
11060	46.42	5.10	H	51.52	73.98	22.46	PK
11060	35.35	5.10	H	40.45	53.98	13.53	AV
16590	45.64	7.84	H	53.48	68.20	14.72	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

Operating Frequency 5690 MHz

Channel No. 138 Ch

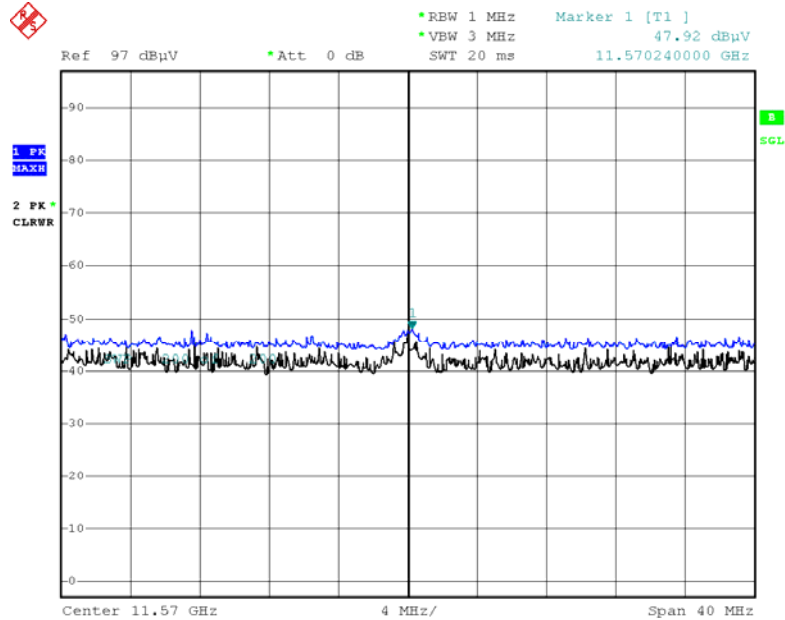
Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11380	46.11	4.70	V	50.81	73.98	23.17	PK
11380	36.39	4.70	V	41.09	53.98	12.89	AV
17070	44.78	9.53	V	54.31	68.20	13.89	PK
11380	47.43	4.70	H	52.13	73.98	21.85	PK
11380	38.53	4.70	H	43.23	53.98	10.75	AV
17070	45.08	9.53	H	54.61	68.20	13.59	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11550	47.25	4.89	V	52.14	73.98	21.84	PK
11550	38.34	4.89	V	43.23	53.98	10.75	AV
17325	45.22	10.86	V	56.08	68.20	12.12	PK
11550	48.10	4.89	H	52.99	73.98	20.99	PK
11550	40.81	4.89	H	45.70	53.98	8.28	AV
17325	46.29	10.86	H	57.15	68.20	11.05	PK

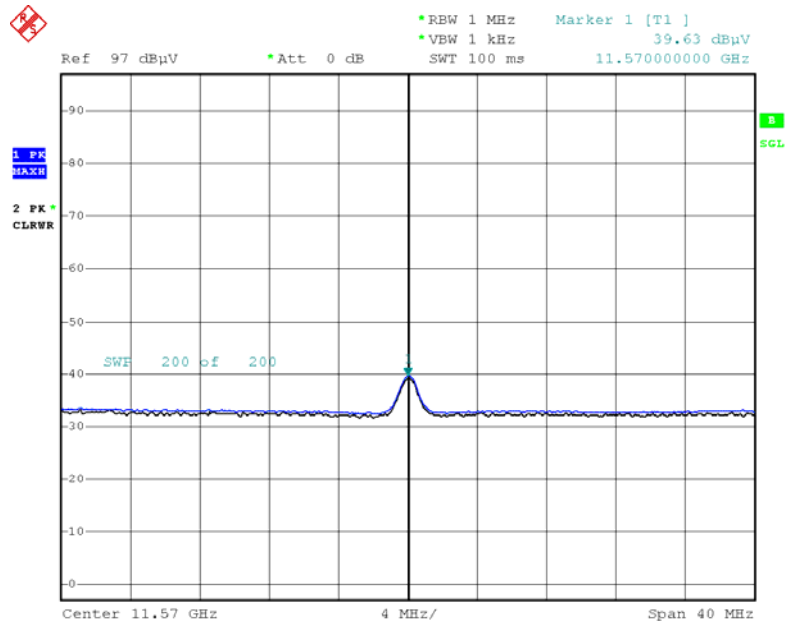
Test Plots

Peak Reading (802.11a, Ch.157 2nd Harmonic, H)



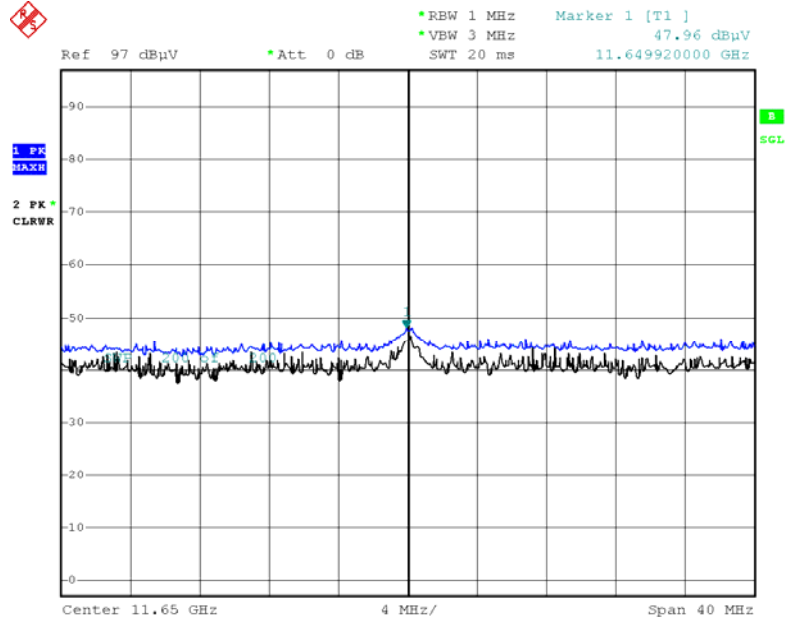
Date: 8.APR.2020 10:40:22

Average Reading (802.11a, Ch.157 2nd Harmonic, H)



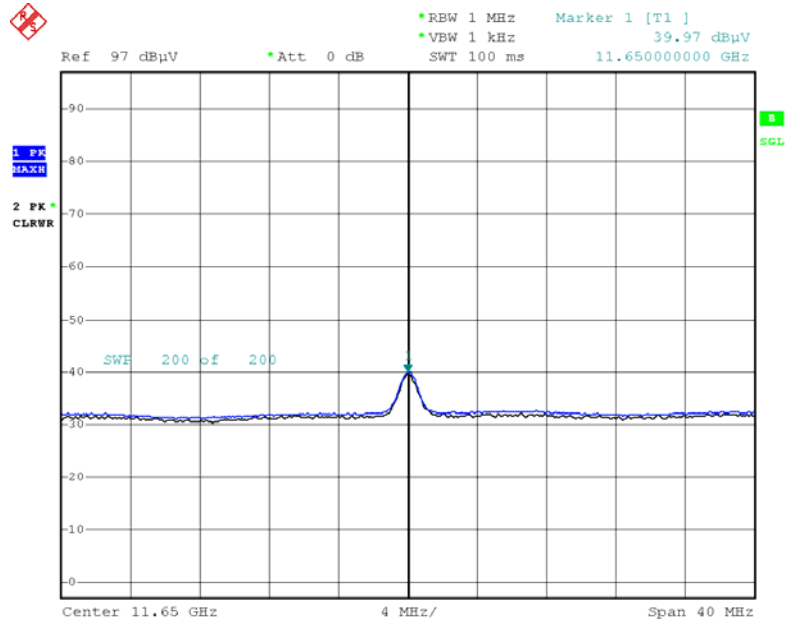
Date: 8.APR.2020 10:40:09

Peak Reading (802.11n(20), Ch.165 2nd Harmonic, H)



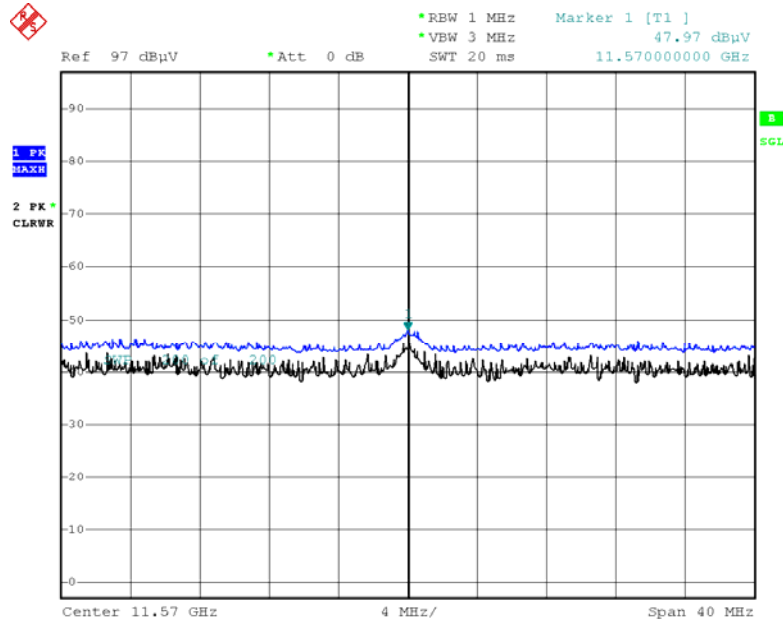
Date: 9.APR.2020 05:07:43

Average Reading (802.11n(20), Ch.165 2nd Harmonic, H)



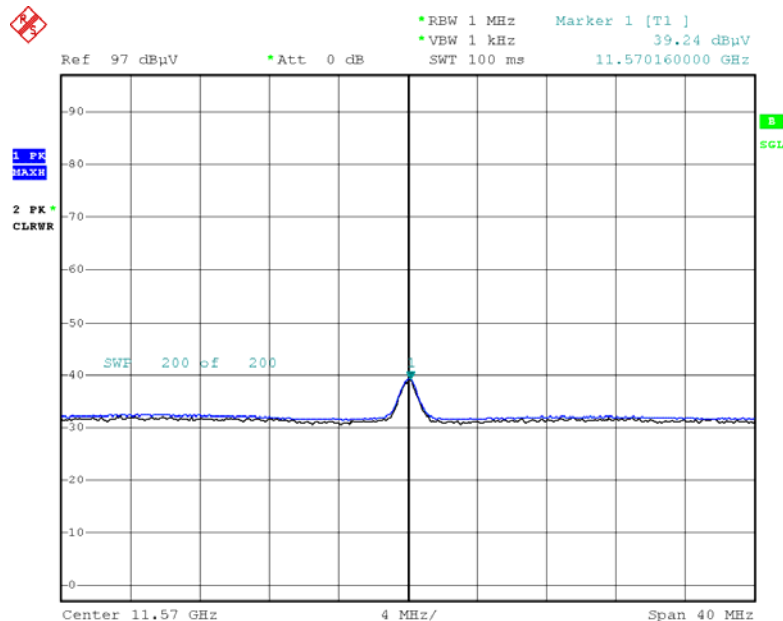
Date: 9.APR.2020 05:07:24

Peak Reading (802.11ac(20), Ch.157 2nd Harmonic, H)



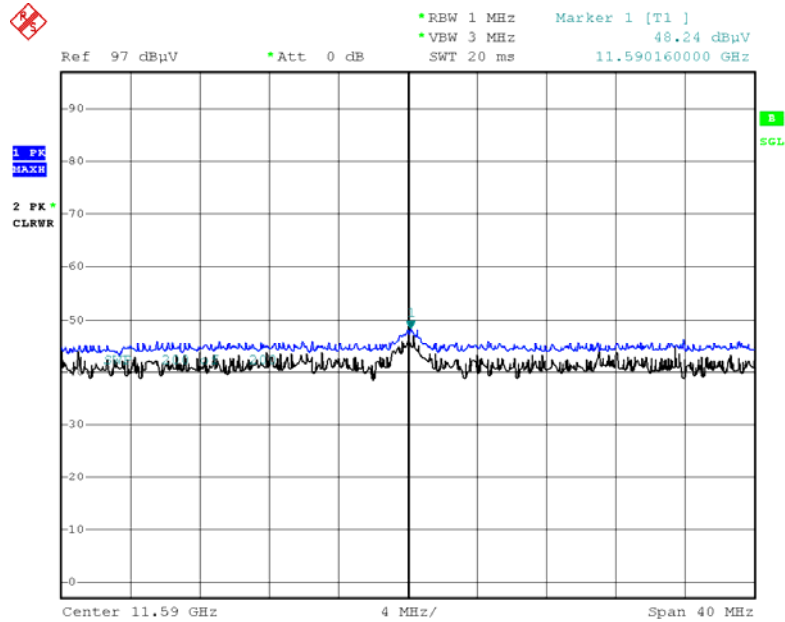
Date: 9.APR.2020 07:15:33

Average Reading (802.11ac(20), Ch.157 2nd Harmonic, H)



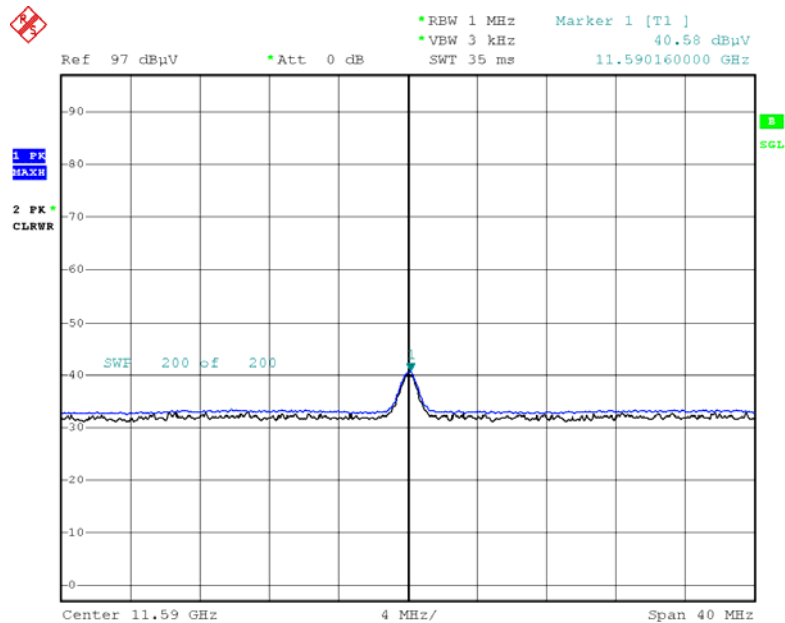
Date: 9.APR.2020 07:14:39

Peak Reading (802.11n(40), Ch.159 2nd Harmonic, H)



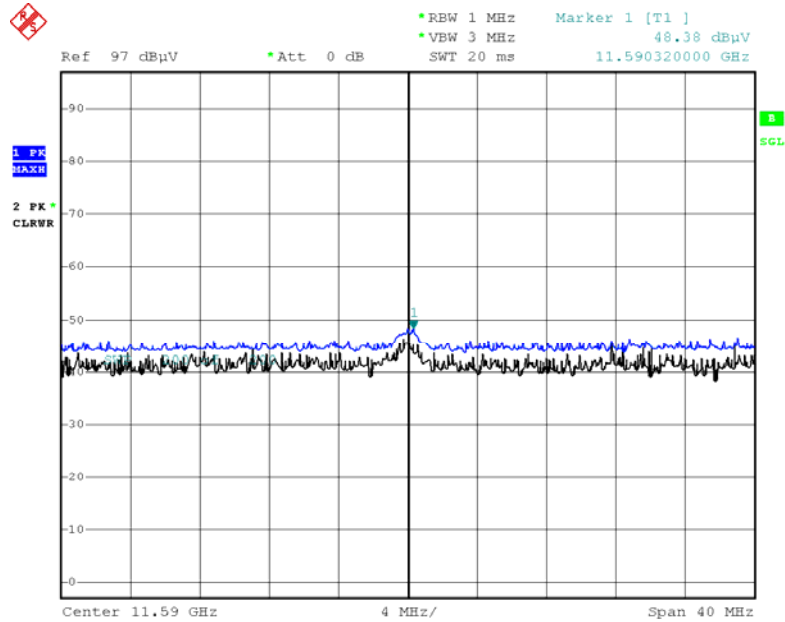
Date: 10.APR.2020 02:09:27

Average Reading (802.11n(40), Ch.159 2nd Harmonic, H)



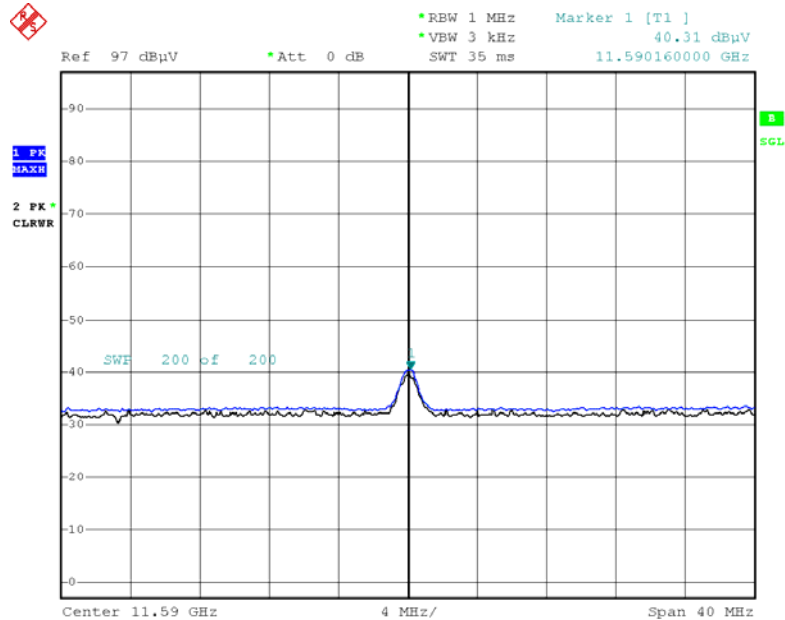
Date: 10.APR.2020 02:09:14

Peak Reading (802.11ac(40), Ch.159 2nd Harmonic, H)



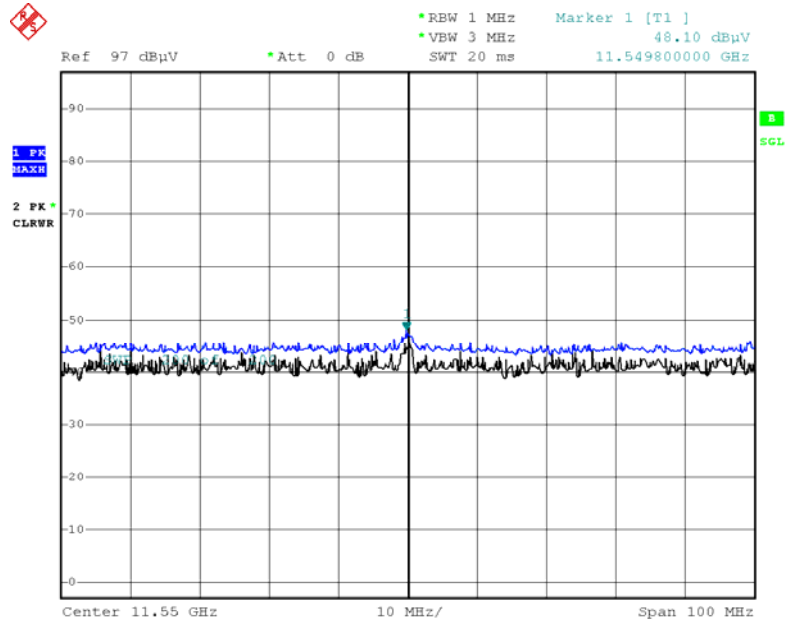
Date: 10.APR.2020 02:25:02

Average Reading (802.11ac(40), Ch.159 2nd Harmonic, H)



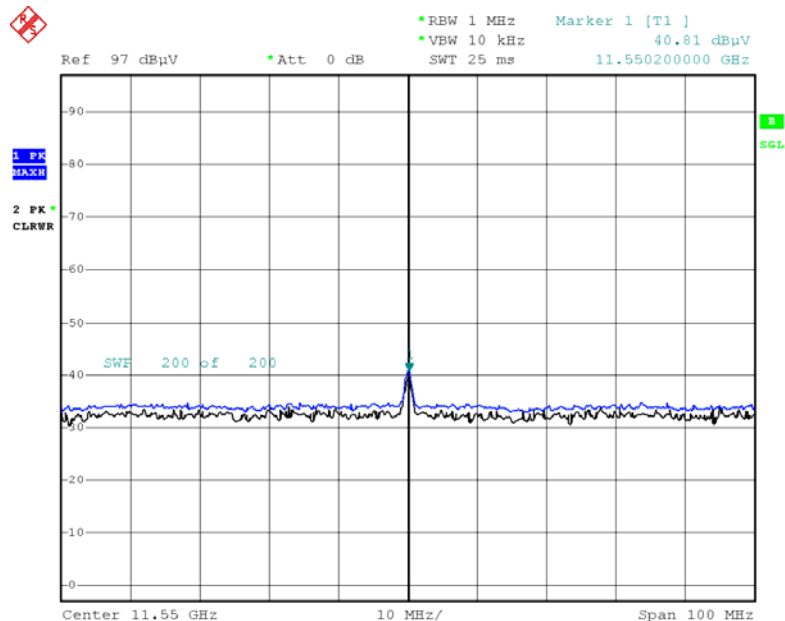
Date: 10.APR.2020 02:24:46

Peak Reading (802.11ac(80), Ch.155 2nd Harmonic, H)



Date: 10.APR.2020 05:20:04

Average Reading (802.11ac(80), Ch.155 2nd Harmonic, H)



Date: 10.APR.2020 05:19:40

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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	43.27	11.88	H	55.15	73.98	18.83	PK
5150	30.21	11.88	H	42.09	53.98	11.89	AV
5150	43.56	11.88	V	55.44	73.98	18.54	PK
5150	30.35	11.88	V	42.23	53.98	11.75	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	44.24	12.17	H	56.41	73.98	17.57	PK
5350	31.23	12.17	H	43.40	53.98	10.58	AV
5350	44.90	12.17	V	57.07	73.98	16.91	PK
5350	31.38	12.17	V	43.55	53.98	10.43	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	41.98	12.57	H	54.55	73.98	19.43	PK
5460	29.82	12.57	H	42.39	53.98	11.59	AV
5470	42.65	12.75	H	55.40	68.20	12.80	PK
5460	42.61	12.57	V	55.18	73.98	18.80	PK
5460	29.83	12.57	V	42.40	53.98	11.58	AV
5470	43.29	12.75	V	56.04	68.20	12.16	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	42.94	11.88	H	54.82	73.98	19.16	PK
5150	30.07	11.88	H	41.95	53.98	12.03	AV
5150	43.79	11.88	V	55.67	73.98	18.31	PK
5150	30.15	11.88	V	42.03	53.98	11.95	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	44.21	12.17	H	56.38	73.98	17.60	PK
5350	31.20	12.17	H	43.37	53.98	10.61	AV
5350	44.30	12.17	V	56.47	73.98	17.51	PK
5350	31.33	12.17	V	43.50	53.98	10.48	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	42.33	12.57	H	54.90	73.98	19.08	PK
5460	29.87	12.57	H	42.44	53.98	11.54	AV
5470	43.87	12.75	H	56.62	68.20	11.58	PK
5460	42.77	12.57	V	55.34	73.98	18.64	PK
5460	29.99	12.57	V	42.56	53.98	11.42	AV
5470	44.29	12.75	V	57.04	68.20	11.16	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	43.00	11.88	H	54.88	73.98	19.10	PK
5150	30.01	11.88	H	41.89	53.98	12.09	AV
5150	43.83	11.88	V	55.71	73.98	18.27	PK
5150	30.07	11.88	V	41.95	53.98	12.03	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	44.46	12.17	H	56.63	73.98	17.35	PK
5350	31.07	12.17	H	43.24	53.98	10.74	AV
5350	45.07	12.17	V	57.24	73.98	16.74	PK
5350	31.15	12.17	V	43.32	53.98	10.66	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	42.41	12.57	H	54.98	73.98	19.00	PK
5460	29.83	12.57	H	42.40	53.98	11.58	AV
5470	43.25	12.75	H	56.00	68.20	12.20	PK
5460	43.76	12.57	V	56.33	73.98	17.65	PK
5460	30.01	12.57	V	42.58	53.98	11.40	AV
5470	43.43	12.75	V	56.18	68.20	12.02	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	42.66	11.88	H	54.54	73.98	19.44	PK
5150	30.58	11.88	H	42.46	53.98	11.52	AV
5150	43.35	11.88	V	55.23	73.98	18.75	PK
5150	30.65	11.88	V	42.53	53.98	11.45	AV

Band : UNII 1
 Operation Mode: 802.11 n_HT40
 Transfer MCS Index: 0
 Operating Frequency 5310 MHz
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	43.19	12.17	H	55.36	73.98	18.62	PK
5350	31.21	12.17	H	43.38	53.98	10.60	AV
5350	43.87	12.17	V	56.04	73.98	17.94	PK
5350	31.51	12.17	V	43.68	53.98	10.30	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	42.35	12.57	H	54.92	73.98	19.06	PK
5460	30.42	12.57	H	42.99	53.98	10.99	AV
5470	44.96	12.75	H	57.71	68.20	10.49	PK
5460	42.70	12.57	V	55.27	73.98	18.71	PK
5460	30.55	12.57	V	43.12	53.98	10.86	AV
5470	45.40	12.75	V	58.15	68.20	10.05	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	42.66	11.88	H	54.54	73.98	19.44	PK
5150	30.47	11.88	H	42.35	53.98	11.63	AV
5150	43.41	11.88	V	55.29	73.98	18.69	PK
5150	30.74	11.88	V	42.62	53.98	11.36	AV

Band : UNII 1
 Operation Mode: 802.11 ac_VHT40
 Transfer MCS Index: 0
 Operating Frequency 5310 MHz
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	43.19	12.17	H	55.36	73.98	18.62	PK
5350	30.98	12.17	H	43.15	53.98	10.83	AV
5350	43.64	12.17	V	55.81	73.98	18.17	PK
5350	31.88	12.17	V	44.05	53.98	9.93	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	42.69	12.57	H	55.26	73.98	18.72	PK
5460	30.07	12.57	H	42.64	53.98	11.34	AV
5470	45.57	12.75	H	58.32	68.20	9.88	PK
5460	43.45	12.57	V	56.02	73.98	17.96	PK
5460	30.36	12.57	V	42.93	53.98	11.05	AV
5470	46.01	12.75	V	58.76	68.20	9.44	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	43.44	11.88	H	55.32	73.98	18.66	PK
5150	32.18	11.88	H	44.06	53.98	9.92	AV
5150	42.69	11.88	V	54.57	73.98	19.41	PK
5150	31.29	11.88	V	43.17	53.98	10.81	AV

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

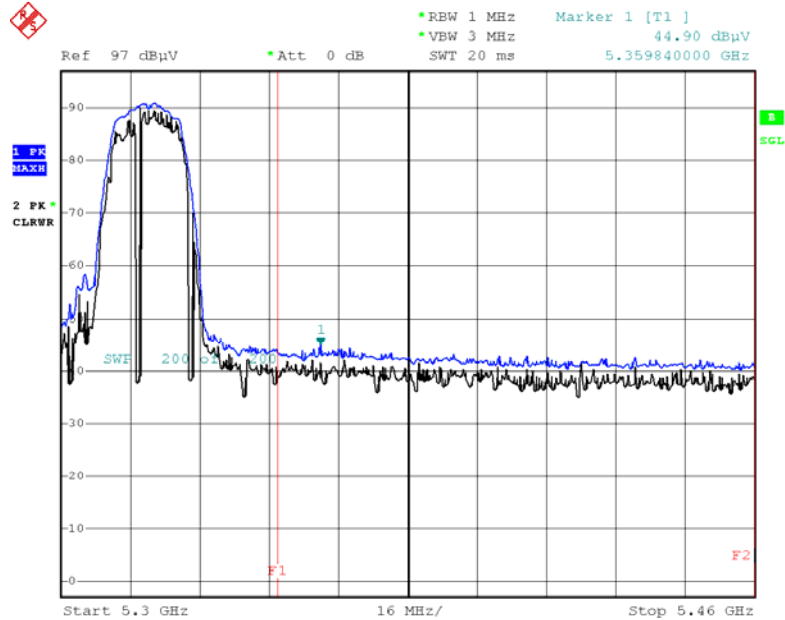
Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	42.16	12.17	H	54.33	73.98	19.65	PK
5350	31.66	12.17	H	43.83	53.98	10.15	AV
5350	43.28	12.17	V	55.45	73.98	18.53	PK
5350	32.54	12.17	V	44.71	53.98	9.27	AV

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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	43.39	12.57	H	55.96	73.98	18.02	PK
5460	32.17	12.57	H	44.74	53.98	9.24	AV
5470	44.55	12.75	H	57.30	68.20	10.90	PK
5460	44.20	12.57	V	56.77	73.98	17.21	PK
5460	32.81	12.57	V	45.38	53.98	8.60	AV
5470	45.38	12.75	V	58.13	68.20	10.07	PK

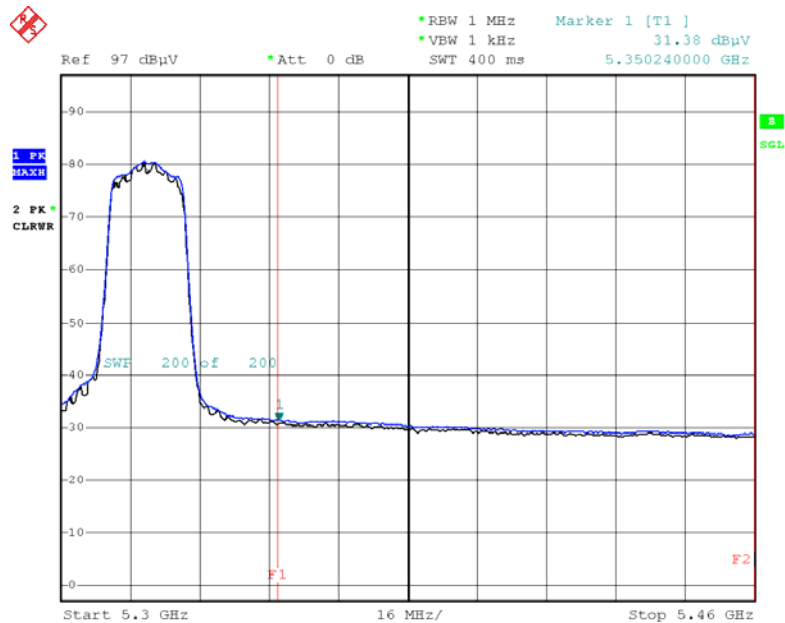
Test Plots(UNII 1, 2A, 2C)

Peak Reading (802.11 a, Ch.64, X-V)



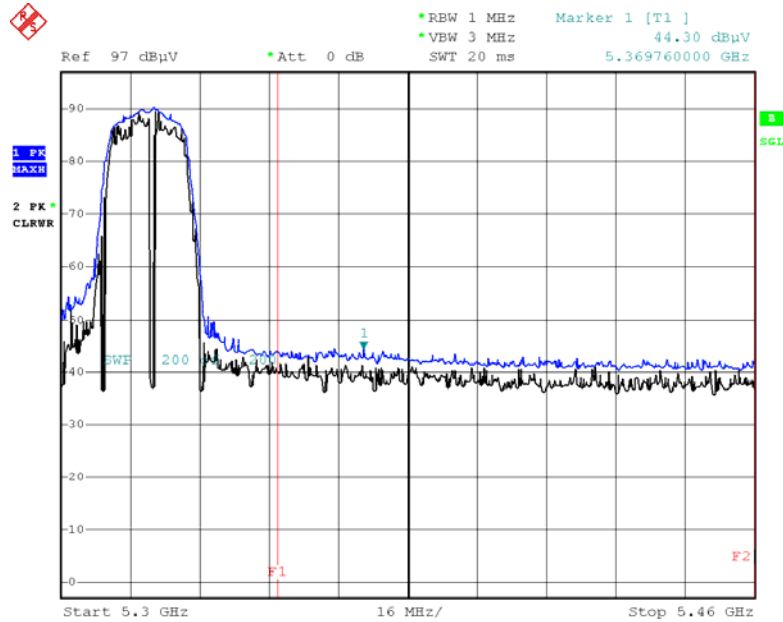
Date: 8.APR.2020 02:49:15

Average Reading (802.11 a, Ch.64, X-V)



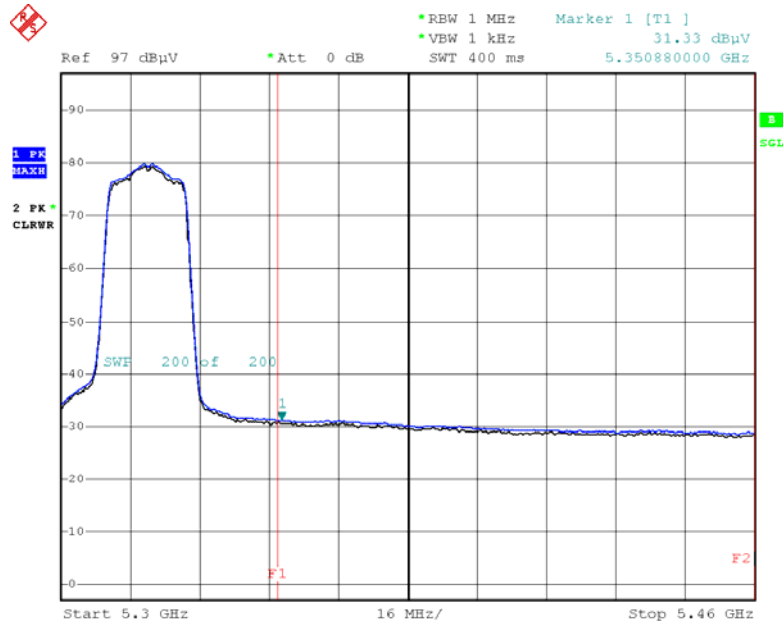
Date: 8.APR.2020 02:48:52

Peak Reading (802.11 n(20), Ch.64, X-V)



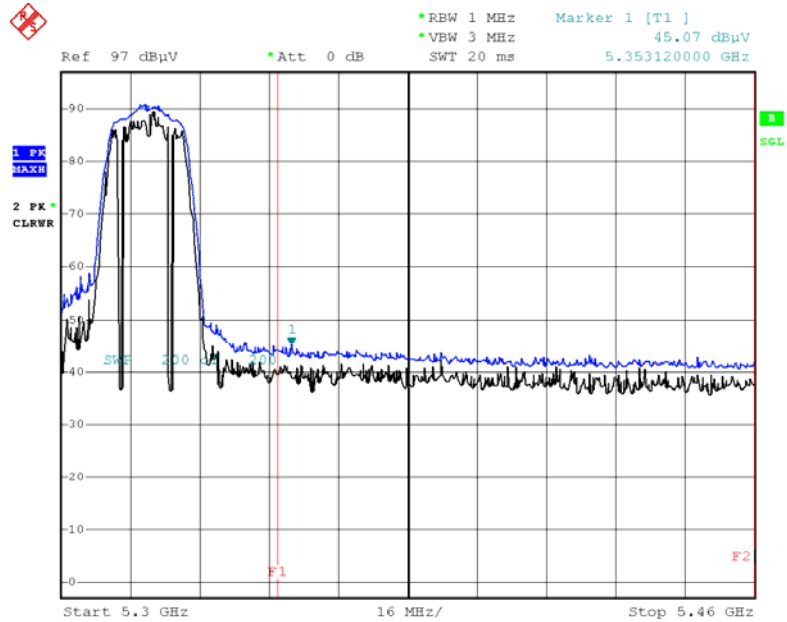
Date: 8.APR.2020 03:28:17

Average Reading (802.11 n(20), Ch.64, X-V)



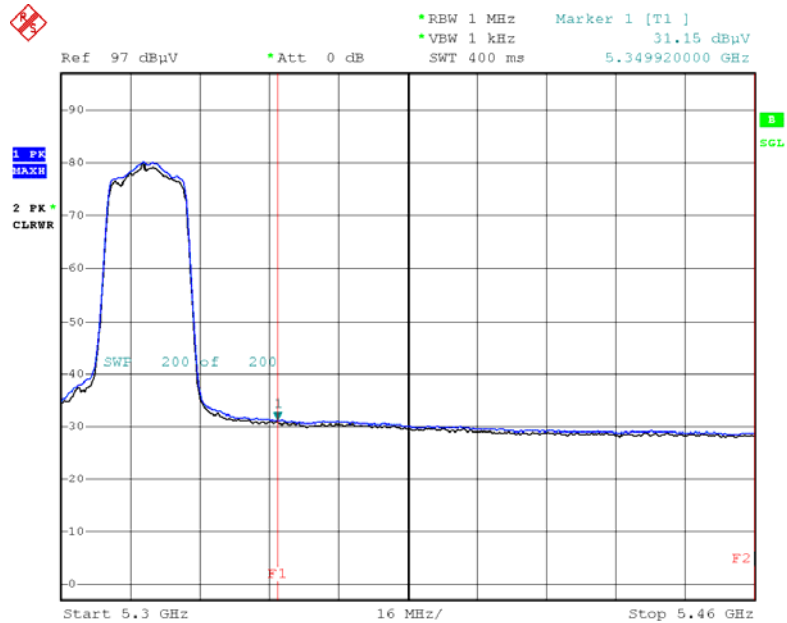
Date: 8.APR.2020 03:27:46

Peak Reading (802.11 ac(20), Ch.64, X-V)



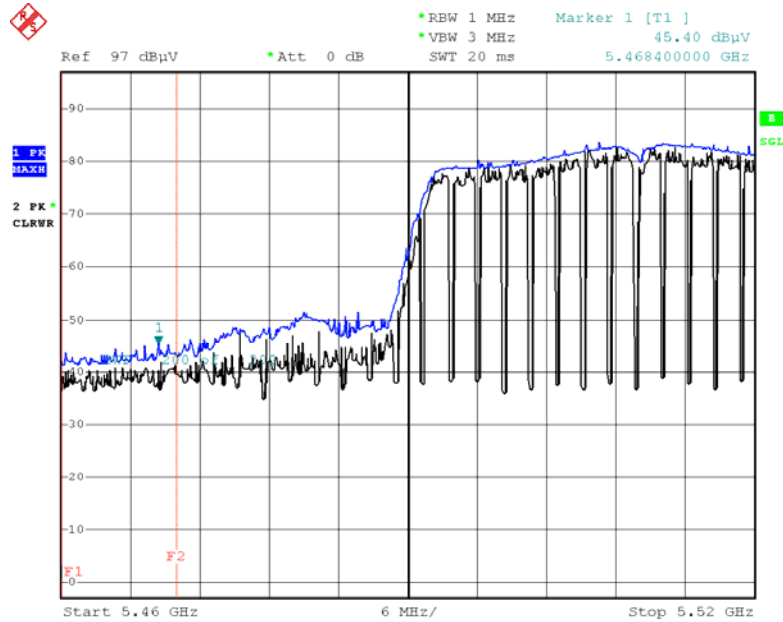
Date: 8.APR.2020 03:47:05

Average Reading (802.11 ac(20), Ch.64, X-V)



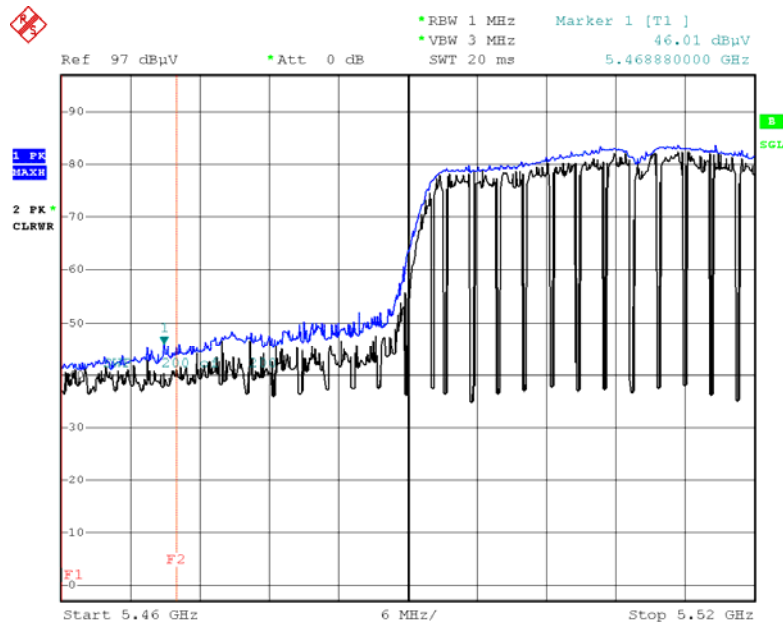
Date: 8.APR.2020 03:45:54

Peak Reading (802.11 n(40), Ch.102, X-V)



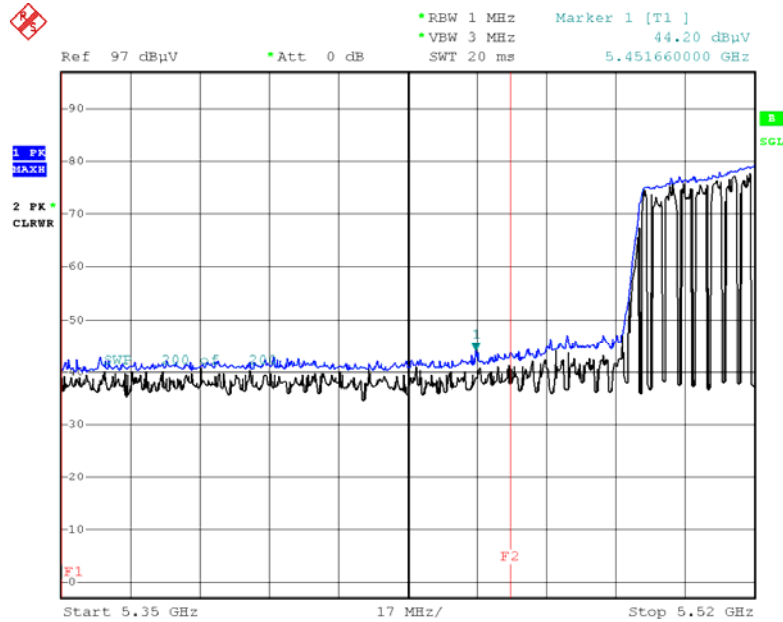
Date: 8.APR.2020 04:37:21

Peak Reading (802.11ac(40), Ch.102, X-V)



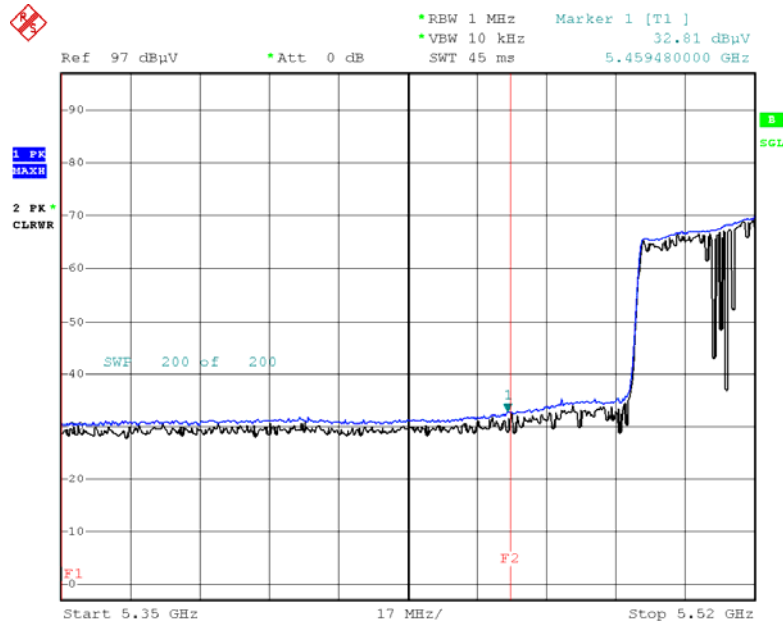
Date: 8.APR.2020 05:03:47

Peak Reading (802.11 ac(80), Ch.106, X-V)



Date: 8.APR.2020 07:01:21

Average Reading (802.11 ac(80), Ch.106, X-V)



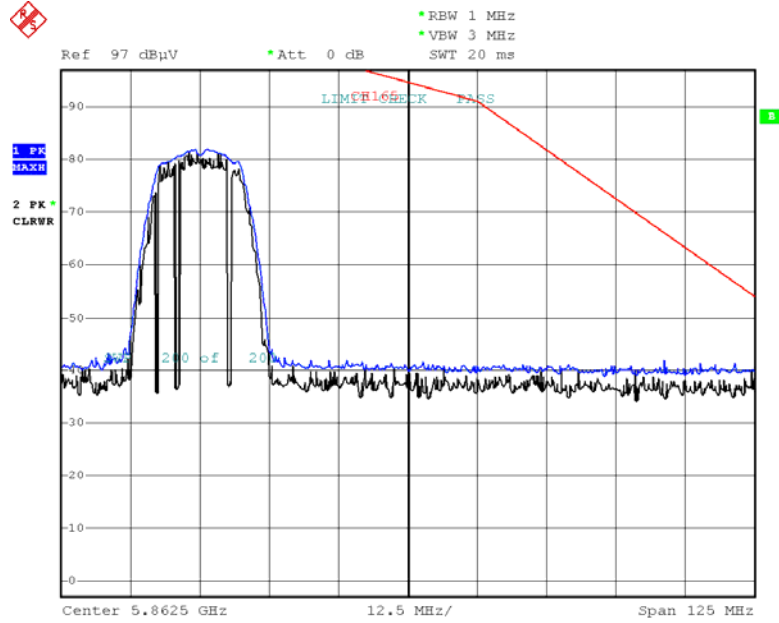
Date: 8.APR.2020 07:00:59

Note:

Only the worst case plots for Radiated Restricted Band Edge.

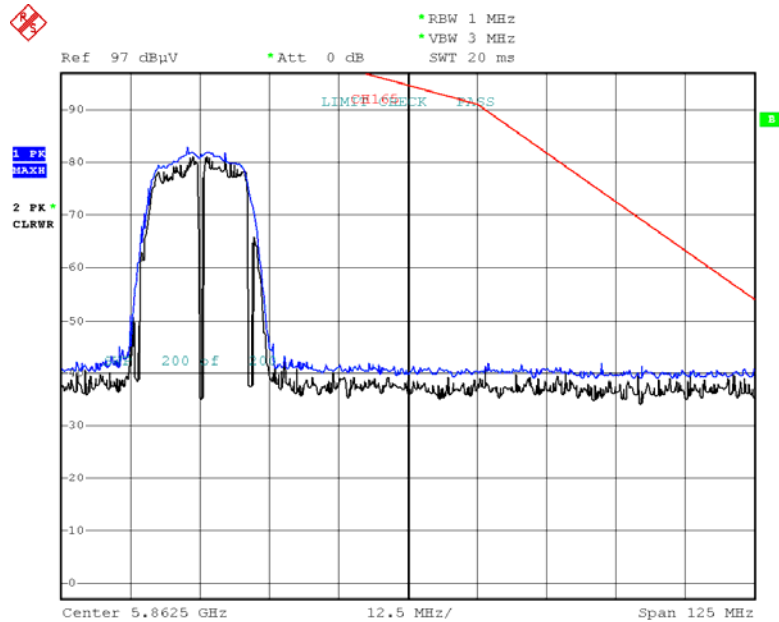
Test Plots(UNII 3)

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



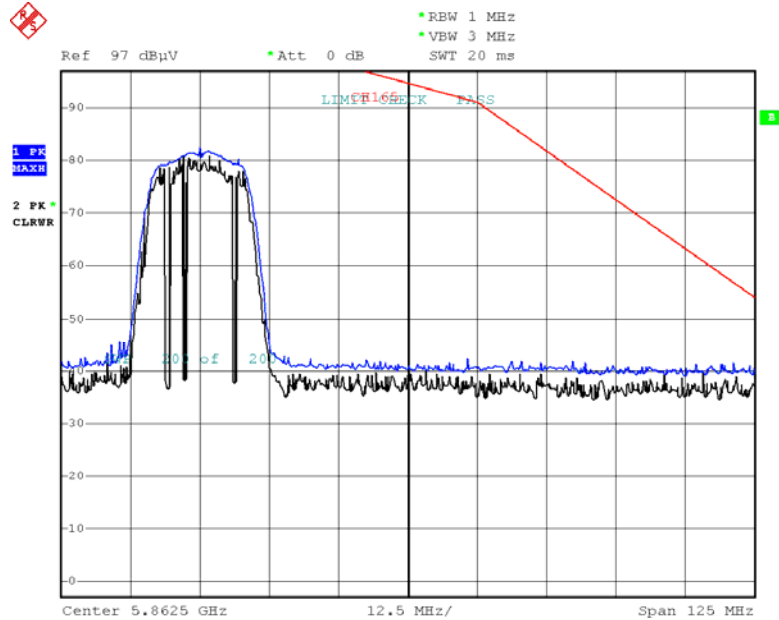
Date: 8.APR.2020 03:14:14

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



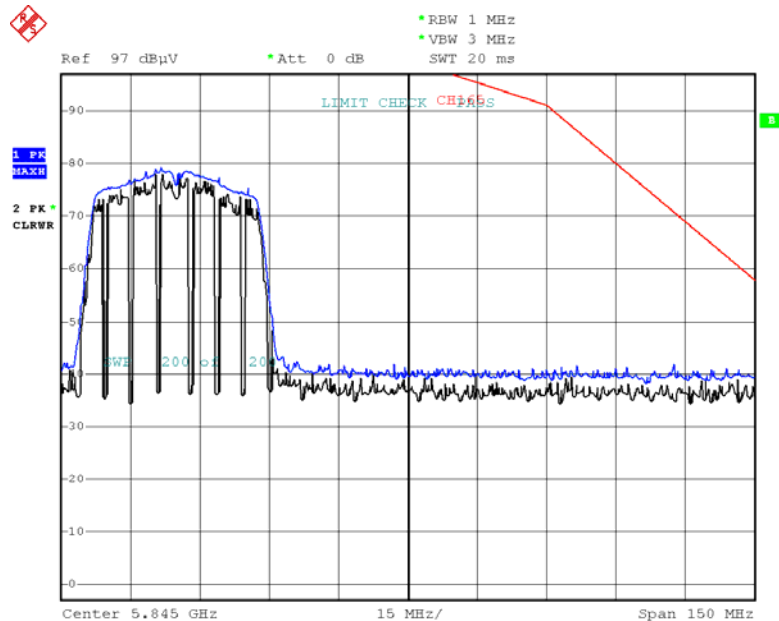
Date: 8.APR.2020 03:37:56

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



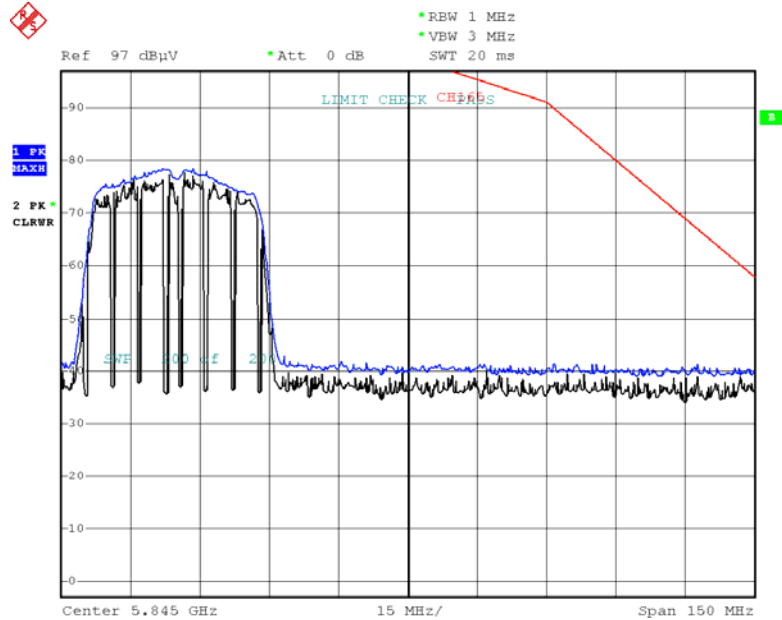
Date: 8.APR.2020 03:36:39

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



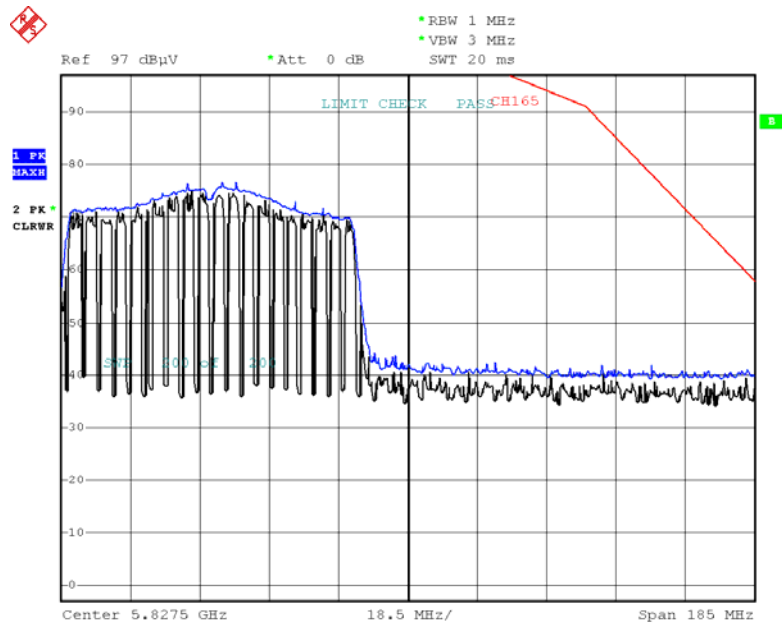
Date: 8.APR.2020 04:49:46

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



Date: 8.APR.2020 04:51:12

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



Date: 8.APR.2020 07:13:18

10.10 RECEIVER SPURIOUS EMISSIONS

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

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							

11. LIST OF TEST EQUIPMENT

Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	09/11/2019	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/18/2019	Annual	100033
ESPAC	SU-642 / Temperature Chamber	03/18/2020	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	01/13/2020	Annual	MY49431210
Agilent	N1911A / Power Meter	09/10/2019	Annual	MY45101406
Agilent	N1921A / Power Sensor	09/06/2019	Annual	MY55220026
Agilent	87300B / Directional Coupler	11/11/2019	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
Rohde & Schwarz	CBT / Bluetooth Tester	05/16/2019	Annual	100422

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
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	01/18/2019	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/09/2018	Biennial	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	11/18/2019	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	11/29/2019	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/11/2019	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/26/2019	Annual	101068-SZ
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	01/21/2020	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	02/10/2020	Annual	1
CERNEX WEINSCHTEL	CBLU1183540B-01/Broadband Bench Top LNA 56-10 / Attenuator(10 dB)	12/24/2019	Annual	N/A
CERNEX Api tech.	CBL06185030 / Broadband Low Noise Amplifier 18B-03 / Attenuator (3 dB)	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
T&M SYSTEM	COAXIAL ATTENUATOR / Thru	12/24/2019	Annual	N/A
CERNEX	CBL18265035 / Power Amplifier	12/26/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	03/23/2020	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/18/2020	Annual	3000C000276

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-2005-FI003-P