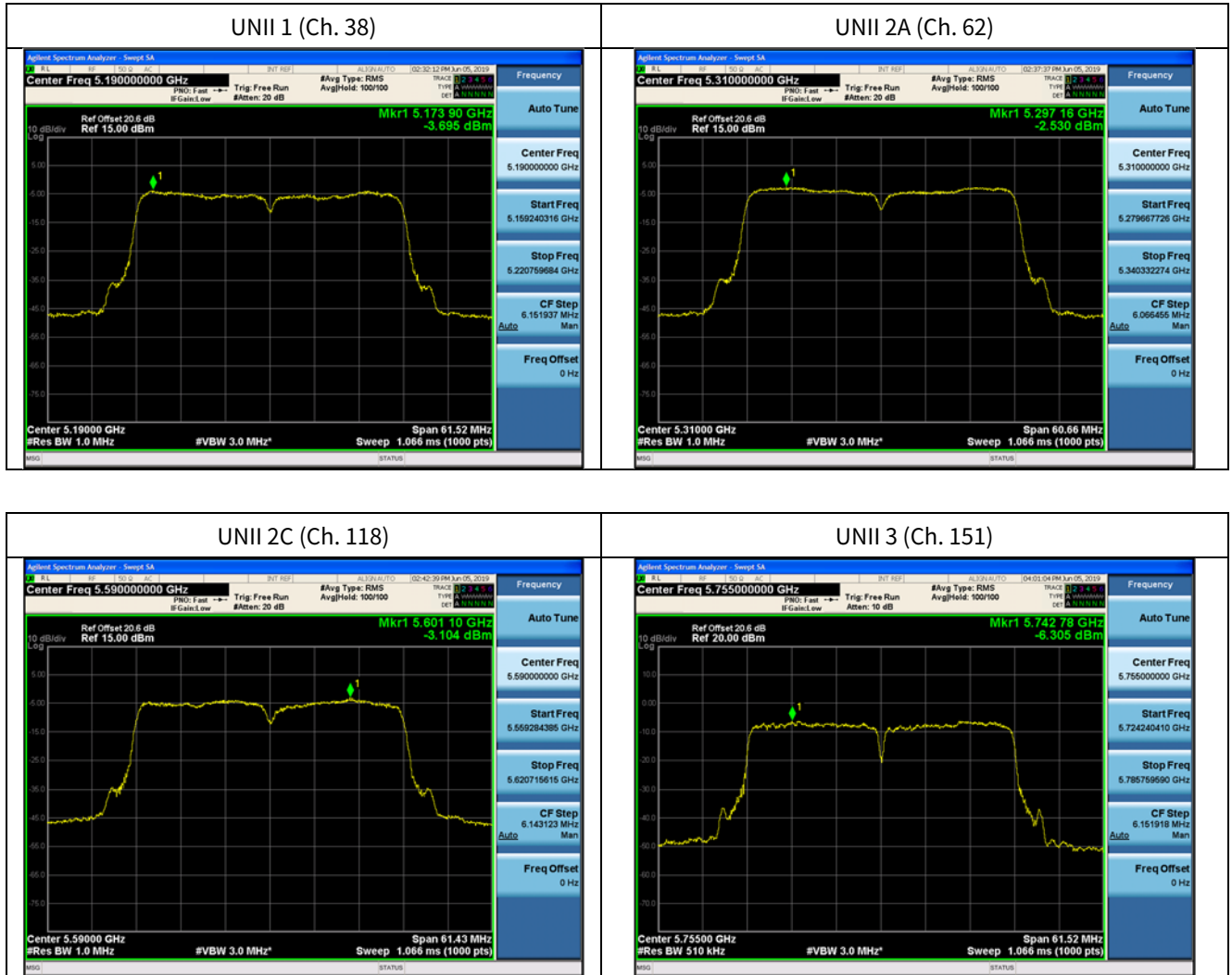


Test Plots(802.11n(HT40))

Note:

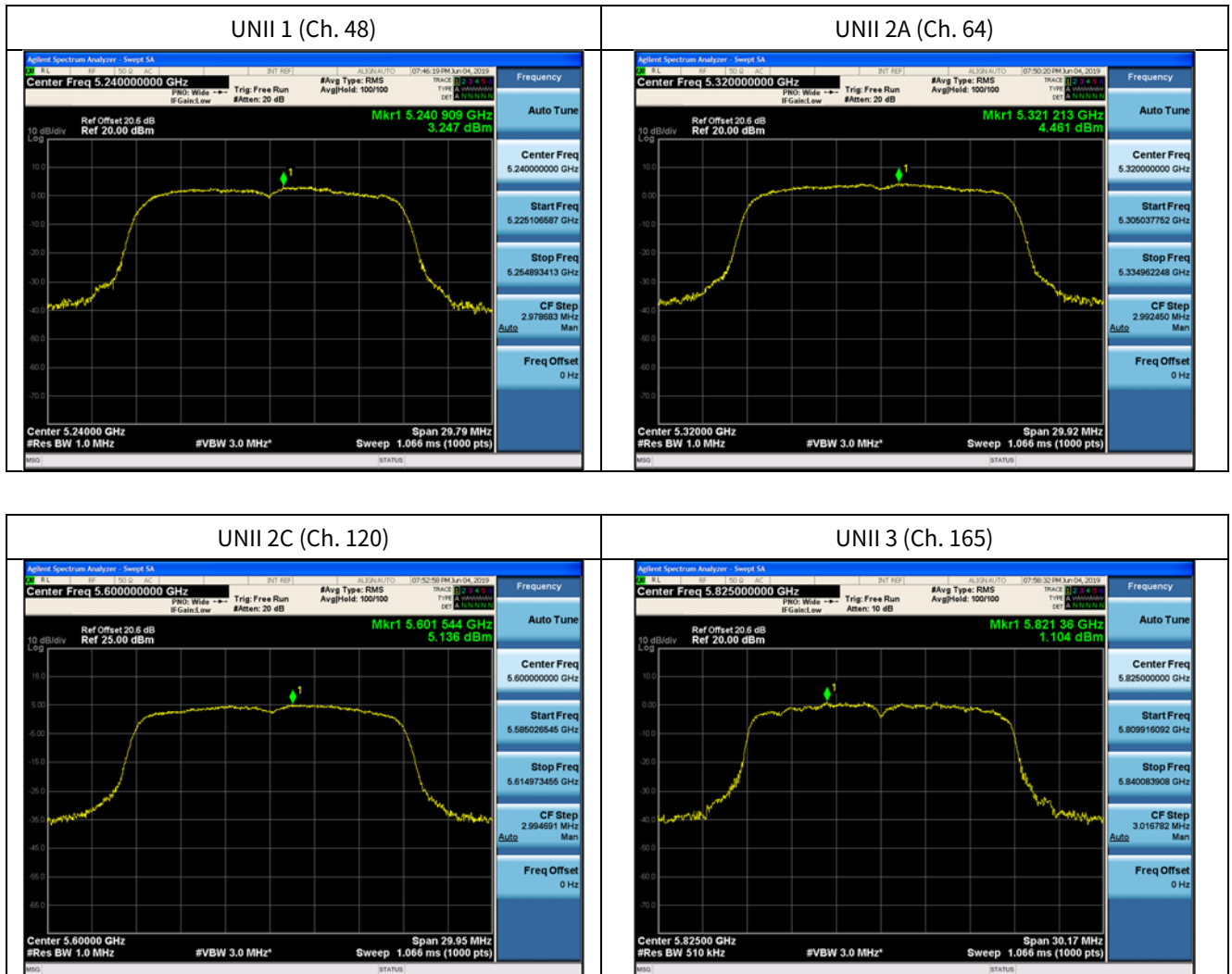
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT20))

Note:

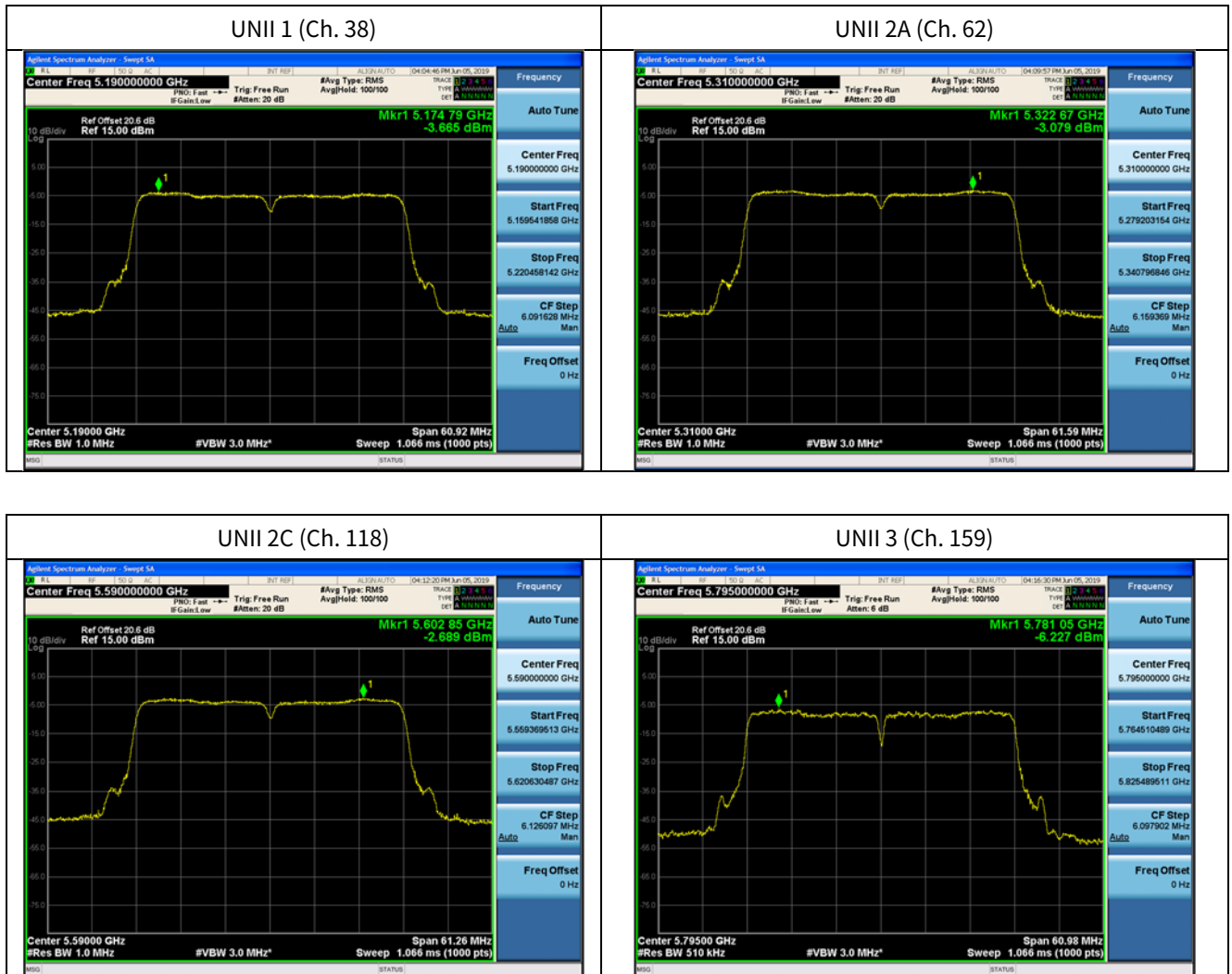
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT40))

Note:

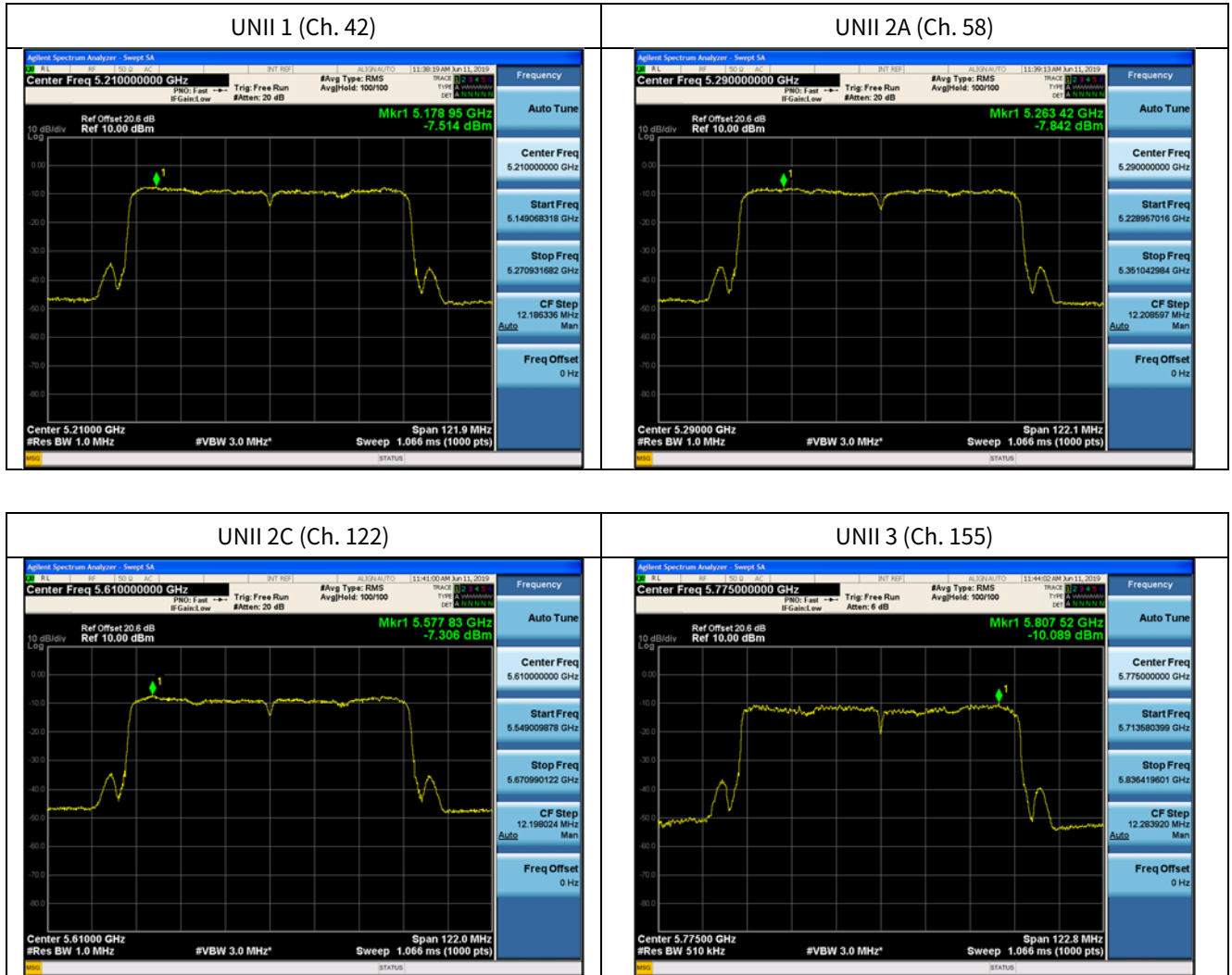
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT80))

Note:

In order to simplify the report, attached plots were only channel of highest power.



10.6 FREQUENCY STABILITY.

10.6.1 80MHz BW

Startup 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. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210088.10	88.10
100%		-30	5210080.51	80.51
100%		-20	5210010.47	10.47
100%		-10	5210098.12	98.12
100%		0	5210076.36	76.36
100%		+10	5210080.13	80.13
100%		+30	5210020.99	20.99
100%		+40	5210022.36	22.36
100%		+50	5210015.33	15.33
End. Point	3.40	+20	5210035.58	35.58

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290089.40	89.40
100%		-30	5290010.71	10.71
100%		-20	5290013.92	13.92
100%		-10	5290029.69	29.69
100%		0	5290034.17	34.17
100%		+10	5290055.16	55.16
100%		+30	5290049.28	49.28
100%		+40	5290035.60	35.6
100%		+50	5290007.50	7.50
End. Point	3.40	+20	5290027.12	27.12

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530048.83	48.83
100%		-30	5530065.93	65.93
100%		-20	5530013.74	13.74
100%		-10	5530088.69	88.69
100%		0	5530097.58	97.58
100%		+10	5530088.63	88.63
100%		+30	5530002.28	2.28
100%		+40	5530072.87	72.87
100%		+50	5530044.85	44.85
End. Point	3.40	+20	5530025.02	25.02

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775053.76	53.76
100%		-30	5775070.17	70.17
100%		-20	5775047.61	47.61
100%		-10	5775017.80	17.8
100%		0	5775033.23	33.23
100%		+10	5775025.23	25.23
100%		+30	5775082.88	82.88
100%		+40	5775069.96	69.96
100%		+50	5775031.62	31.62
End. Point	3.40	+20	5775094.63	94.63

Note:

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

2 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. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210024.70	24.70
100%		-30	5210055.94	55.94
100%		-20	5210096.28	96.28
100%		-10	5210039.82	39.82
100%		0	5210086.56	86.56
100%		+10	5210001.47	1.47
100%		+30	5210031.77	31.77
100%		+40	5210034.85	34.85
100%		+50	5210058.98	58.98
End. Point	3.40	+20	5210087.37	87.37

Note:

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

OPERATING BAND: UNII Band 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)	5290066.13	66.13
100%		-30	5290083.48	83.48
100%		-20	5290080.89	80.89
100%		-10	5290062.41	62.41
100%		0	5290079.42	79.42
100%		+10	5290062.80	62.8
100%		+30	5290034.97	34.97
100%		+40	5290026.85	26.85
100%		+50	5290029.80	29.80
End. Point	3.40	+20	5290031.19	31.19

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)	5530032.92	32.92
100%		-30	5530047.30	47.30
100%		-20	5530055.97	55.97
100%		-10	5530020.74	20.74
100%		0	5530096.62	96.62
100%		+10	5530001.73	1.73
100%		+30	5530086.04	86.04
100%		+40	5530027.45	27.45
100%		+50	5530073.90	73.90
End. Point	3.40	+20	5530066.15	66.15

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775035.77	35.77
100%		-30	5775062.39	62.39
100%		-20	5775084.53	84.53
100%		-10	5775022.24	22.24
100%		0	5775001.96	1.96
100%		+10	5775047.13	47.13
100%		+30	5775074.20	74.2
100%		+40	5775016.65	16.65
100%		+50	5775029.78	29.78
End. Point	3.40	+20	5775063.76	63.76

Note:

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

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. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210080.34	80.34
100%		-30	5210010.61	10.61
100%		-20	5210089.67	89.67
100%		-10	5210080.35	80.35
100%		0	5210096.68	96.68
100%		+10	5210029.77	29.77
100%		+30	5210012.92	12.92
100%		+40	5210004.31	4.31
100%		+50	5210033.57	33.57
End. Point	3.40	+20	5210025.98	25.98

Note:

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

OPERATING BAND: UNII Band 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)	5290044.58	44.58
100%		-30	5290075.51	75.51
100%		-20	5290054.60	54.6
100%		-10	5290051.67	51.67
100%		0	5290088.45	88.45
100%		+10	5290039.13	39.13
100%		+30	5290059.59	59.59
100%		+40	5290096.44	96.44
100%		+50	5290084.35	84.35
End. Point	3.40	+20	5290009.96	9.96

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530048.14	48.14
100%		-30	5530067.23	67.23
100%		-20	5530053.78	53.78
100%		-10	5530028.37	28.37
100%		0	5530045.69	45.69
100%		+10	5530048.23	48.23
100%		+30	5530046.37	46.37
100%		+40	5530034.03	34.03
100%		+50	5530039.77	39.77
End. Point	3.40	+20	5530037.85	37.85

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775088.93	88.93
100%		-30	5775007.25	7.25
100%		-20	5775014.28	14.28
100%		-10	5775028.63	28.63
100%		0	5775063.20	63.20
100%		+10	5775041.33	41.33
100%		+30	5775011.34	11.34
100%		+40	5775079.21	79.21
100%		+50	5775032.47	32.47
End. Point	3.40	+20	5775030.98	30.98

Note:

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

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. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210071.49	71.49
100%		-30	5210035.53	35.53
100%		-20	5210062.47	62.47
100%		-10	5210090.90	90.90
100%		0	5210015.93	15.93
100%		+10	5210068.60	68.60
100%		+30	5210033.27	33.27
100%		+40	5210050.07	50.07
100%		+50	5210039.27	39.27
End. Point	3.40	+20	5210061.25	61.25

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290085.05	85.05
100%		-30	5290089.11	89.11
100%		-20	5290069.79	69.79
100%		-10	5290049.22	49.22
100%		0	5290023.21	23.21
100%		+10	5290029.17	29.17
100%		+30	5290050.66	50.66
100%		+40	5290036.80	36.8
100%		+50	5290086.67	86.67
End. Point	3.40	+20	5290043.95	43.95

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530035.55	35.55
100%		-30	5530027.03	27.03
100%		-20	5530070.93	70.93
100%		-10	5530023.84	23.84
100%		0	5530063.48	63.48
100%		+10	5530099.08	99.08
100%		+30	5530022.52	22.52
100%		+40	5530039.93	39.93
100%		+50	5530035.45	35.45
End. Point	3.40	+20	5530056.99	56.99

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775033.90	33.90
100%		-30	5775056.22	56.22
100%		-20	5775002.36	2.36
100%		-10	5775093.49	93.49
100%		0	5775002.85	2.85
100%		+10	5775059.16	59.16
100%		+30	5775012.68	12.68
100%		+40	5775096.66	96.66
100%		+50	5775065.51	65.51
End. Point	3.40	+20	5775004.76	4.76

Note:

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

10.7 STRADDLE CHANNEL

10.7.1 26dB Bandwidth

Mode	Band	Frequency [MHz]	Channel	26dB Bandwidth [MHz]
802.11a	UNII 2C	5720	144	14.52
802.11n(HT20)				14.76
802.11ac(VHT20)				14.88
802.11a	UNII 3	5720	144	4.68
802.11n(HT20)				4.60
802.11ac(VHT20)				4.88

Mode	Band	Frequency [MHz]	Channel	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	35.00
802.11ac(VHT40)				35.24
802.11n(HT40)	UNII 3	5710	142	5.00
802.11ac(VHT40)				5.08

Mode	Band	Frequency [MHz]	Channel	26dB Bandwidth [MHz]
802.11ac(VHT80)	UNII 2C	5690	138	75.80
	UNII 3	5690	138	5.80

Test Plots (26dB Bandwidth)

802.11a UNII Band



802.11n(HT20) UNII Band

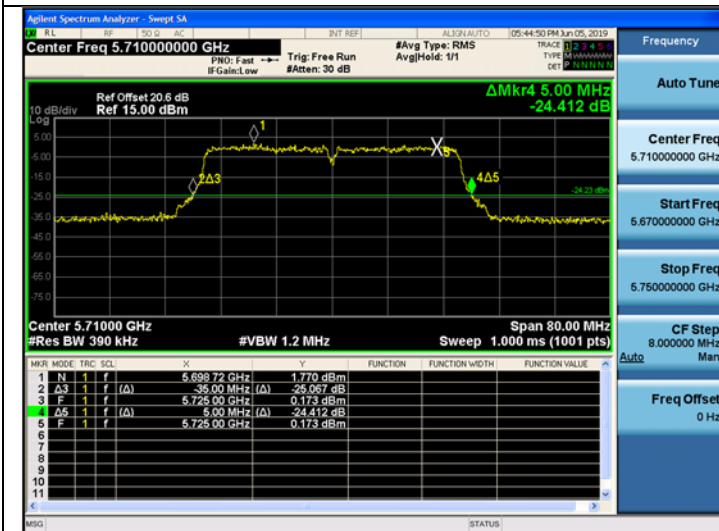


802.11ac(VHT20) UNII Band



Test Plots (26dB Bandwidth)

802.11n(HT40) UNII Band



802.11ac(VHT40) UNII Band



802.11ac(VHT80) UNII Band



10.7.2 6dB Bandwidth

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11a	UNII 3	5720	144	5728.23	3.23	> 0.5
802.11n(HT20)				5728.48	3.48	> 0.5
802.11ac(VHT20)				5728.08	3.08	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5727.84	2.84	> 0.5
802.11ac(VHT40)				5727.76	2.76	> 0.5

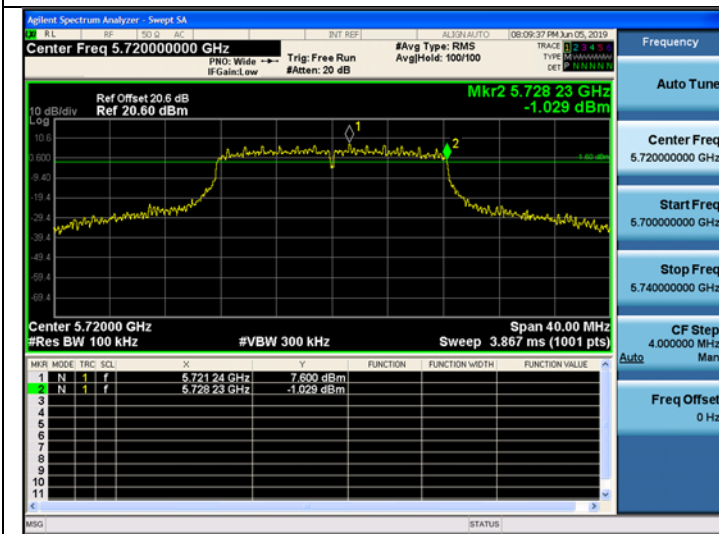
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5727.6	2.6	> 0.5

Note:

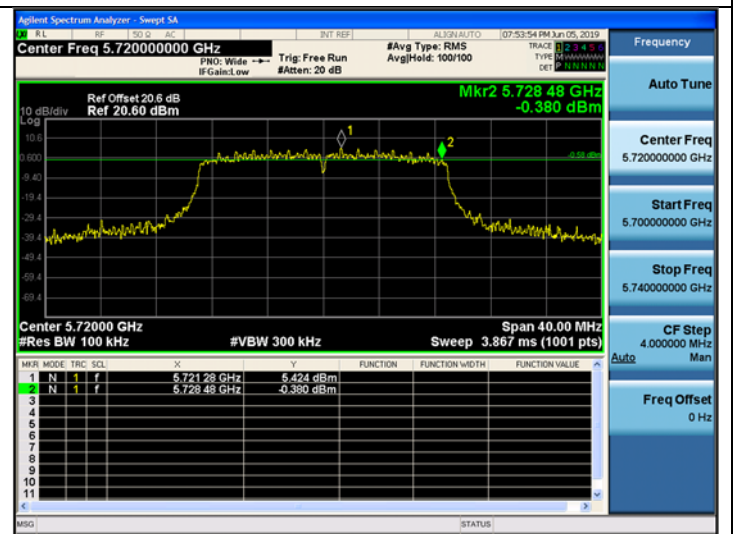
6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

Test Plots(UNII 3 Band 6dB Bandwidth)

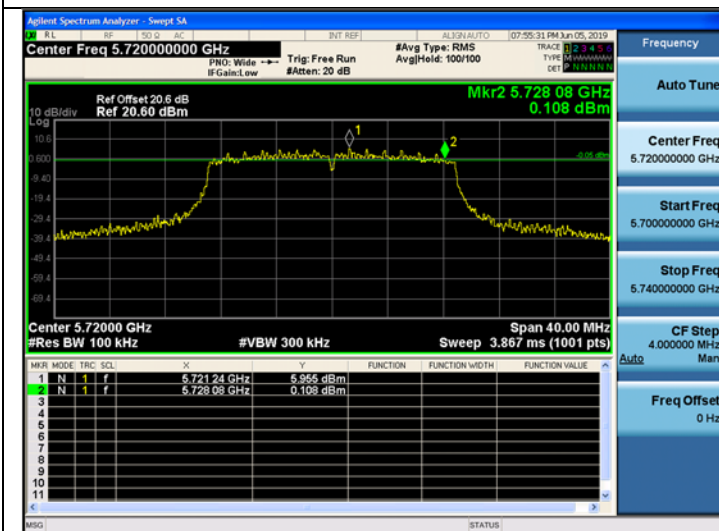
802.11a CH.144



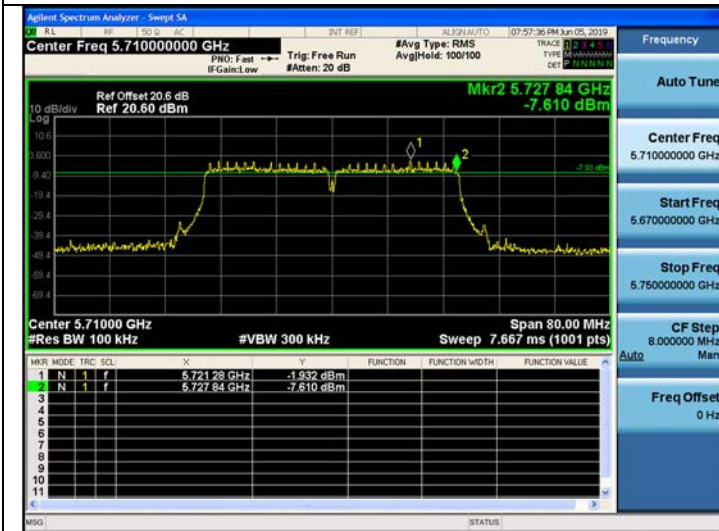
802.11n_HT20 CH.144



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

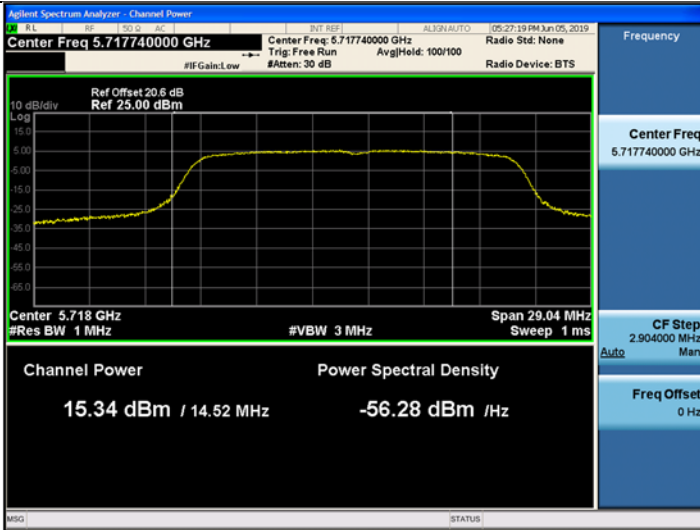
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	15.34	1.661	17.00	22.62
802.11n(HT20)			13.24	2.153	15.39	22.69
802.11ac(VHT20)			14.41	1.228	15.64	22.73
802.11a	5720 (UNII 3 Band)	144	8.27	1.661	9.93	30.00
802.11n(HT20)			6.47	2.153	8.62	30.00
802.11ac(VHT20)			7.65	1.228	8.88	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	10.41	2.607	13.02	23.98
802.11ac(VHT40)			10.93	2.024	12.95	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	0.26	2.607	2.87	30.00
802.11ac(VHT40)			0.65	2.024	2.67	30.00

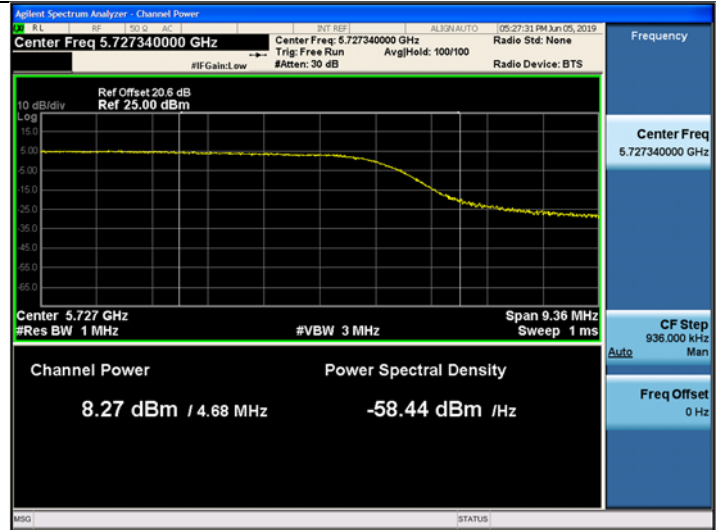
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	9.19	2.365	11.55	23.98
	5690 (UNII 3 Band)	138	-5.53	2.365	-3.17	30.00

Test Plots

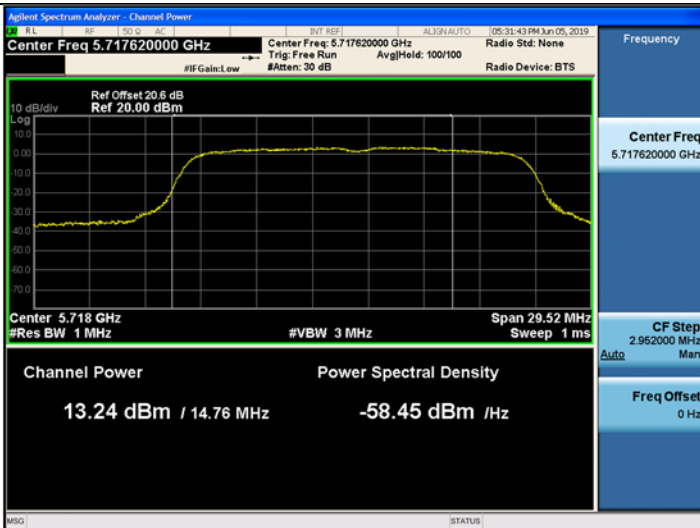
802.11a UNII 2C Band



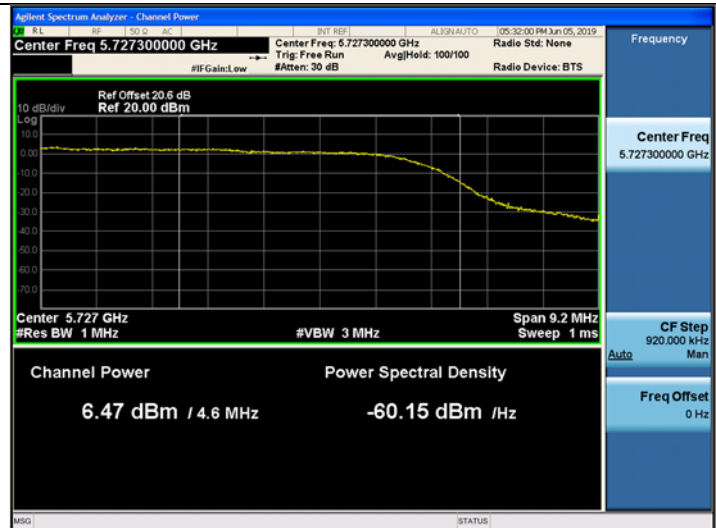
802.11a UNII 3 Band



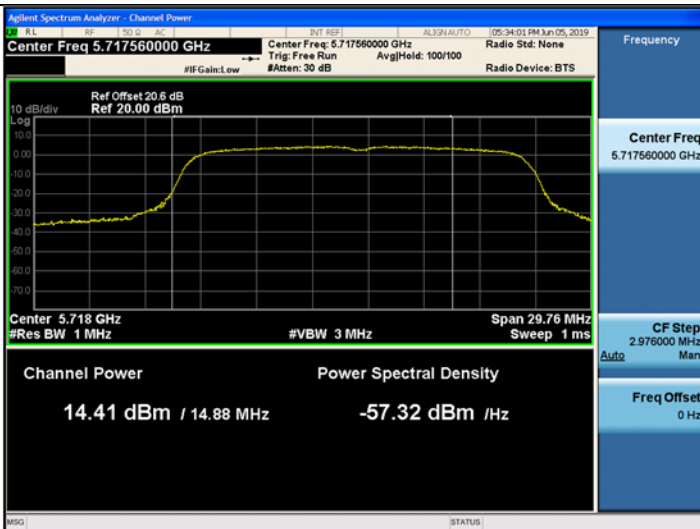
802.11n(HT20) UNII 2C Band



802.11n(HT20) UNII 3 Band



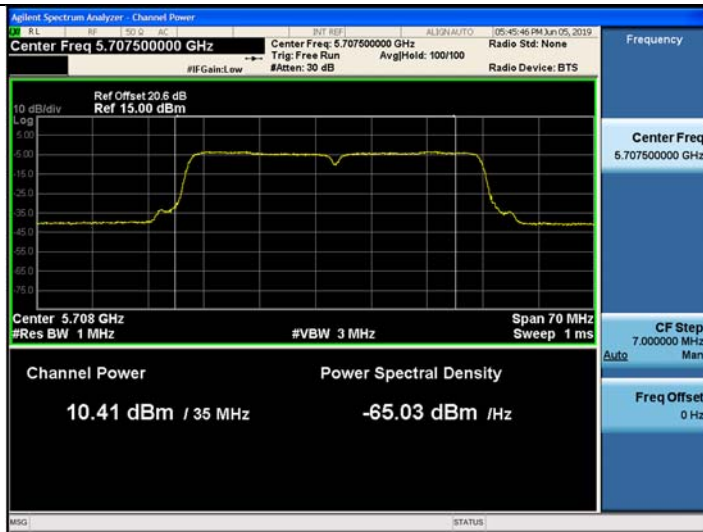
802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



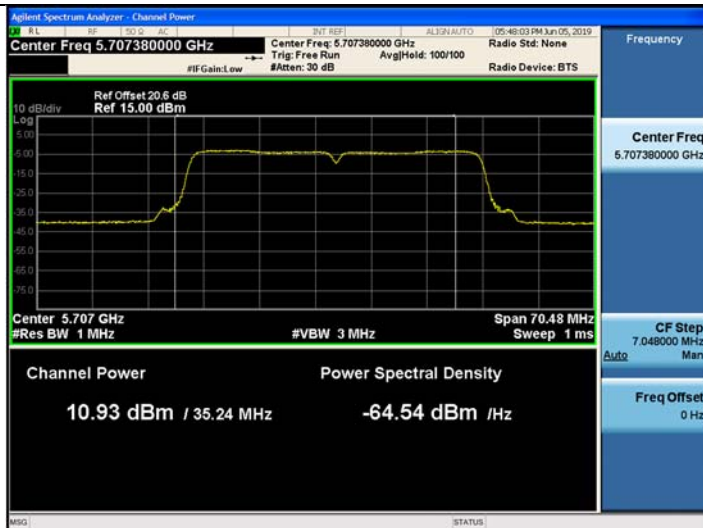
802.11n(HT40) UNII 2C Band



802.11n(HT40) UNII 3 Band



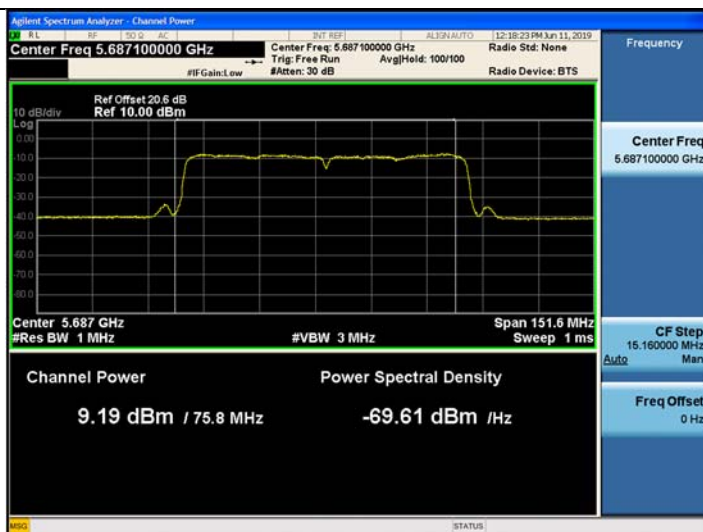
802.11ac(VHT40) UNII 2C Band



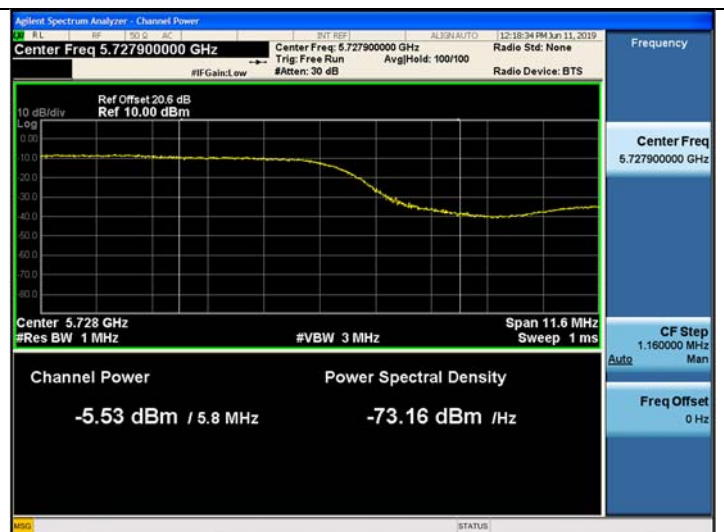
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.7.4 Power Spectral Density

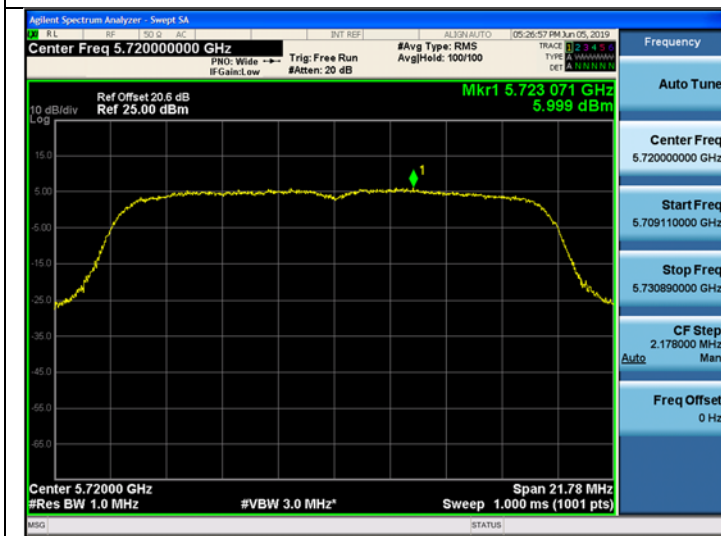
Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	5.999	1.661	7.660	11.00
802.11n(HT20)			3.857	2.153	6.010	11.00
802.11ac(VHT20)			4.666	1.228	5.894	11.00
802.11a	5720 (UNII 3 Band)	144	2.624	1.661	4.285	30.00
802.11n(HT20)			-0.057	2.153	2.096	30.00
802.11ac(VHT20)			1.168	1.228	2.396	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	-3.153	2.607	-0.546	11.00
802.11ac(VHT40)			-2.903	2.024	-0.879	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-6.527	2.607	-3.920	30.00
802.11ac(VHT40)			-6.084	2.024	-4.060	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	-7.202	2.365	-4.837	11.00
	5690 (UNII 3 Band)	138	-11.349	2.365	-8.984	30.00

Test Plots

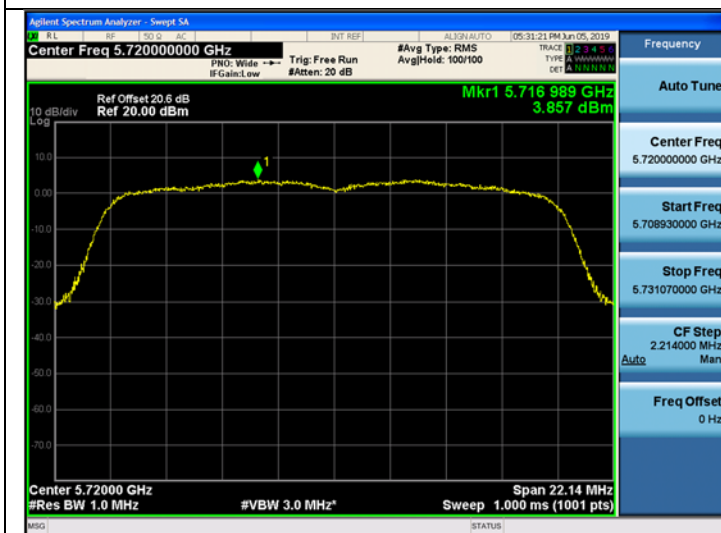
802.11a UNII 2C Band



802.11a UNII 3 Band



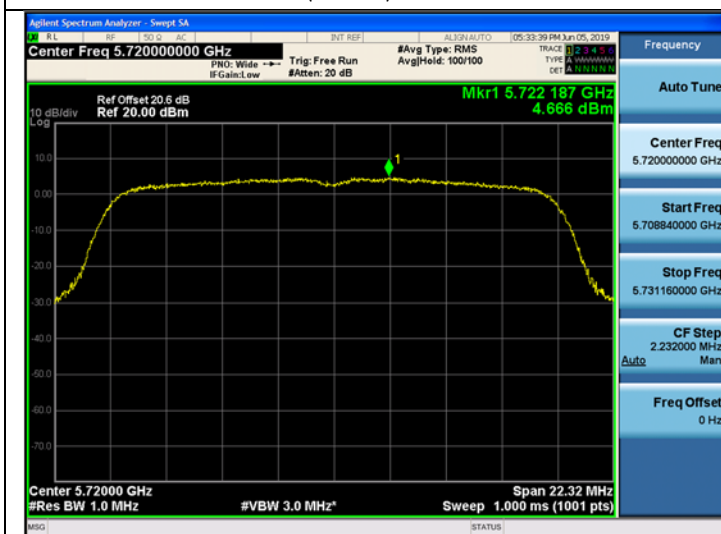
802.11n(HT20) UNII 2C Band



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 = $40 \cdot \log(\text{specific distance} / \text{test distance})$ (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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	54.25	-3.05	V	51.20	68.20	17.00	PK
15540	51.27	-0.54	V	50.73	73.98	23.25	PK
15540	37.47	-0.54	V	36.93	53.98	17.05	AV
10360	53.88	-3.05	H	50.83	68.20	17.37	PK
15540	50.92	-0.54	H	50.38	73.98	23.60	PK
15540	36.98	-0.54	H	36.44	53.98	17.54	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	53.90	-2.37	V	51.53	68.20	16.67	PK
15600	52.49	-1.59	V	50.90	73.98	23.08	PK
15600	38.54	-1.59	V	36.95	53.98	17.03	AV
10400	53.22	-2.37	H	50.85	68.20	17.35	PK
15600	52.14	-1.59	H	50.55	73.98	23.43	PK
15600	38.17	-1.59	H	36.58	53.98	17.40	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	53.85	-3.66	V	50.19	68.20	18.01	PK
15720	52.83	-1.47	V	51.36	73.98	22.62	PK
15720	38.92	-1.47	V	37.45	53.98	16.53	AV
10480	53.65	-3.66	H	49.99	68.20	18.21	PK
15720	52.48	-1.47	H	51.01	73.98	22.97	PK
15720	38.71	-1.47	H	37.24	53.98	16.74	AV

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	52.78	-3.05	V	49.73	68.20	18.47	PK
15540	51.59	-0.54	V	51.05	73.98	22.93	PK
15540	37.45	-0.54	V	36.91	53.98	17.07	AV
10360	52.51	-3.05	H	49.46	68.20	18.74	PK
15540	50.98	-0.54	H	50.44	73.98	23.54	PK
15540	37.38	-0.54	H	36.84	53.98	17.14	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	53.59	-2.37	V	51.22	68.20	16.98	PK
15600	52.47	-1.59	V	50.88	73.98	23.10	PK
15600	38.49	-1.59	V	36.90	53.98	17.08	AV
10400	53.45	-2.37	H	51.08	68.20	17.12	PK
15600	52.55	-1.59	H	50.96	73.98	23.02	PK
15600	38.22	-1.59	H	36.63	53.98	17.35	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	53.88	-3.66	V	50.22	68.20	17.98	PK
15720	52.74	-1.47	V	51.27	73.98	22.71	PK
15720	38.85	-1.47	V	37.38	53.98	16.60	AV
10480	53.67	-3.66	H	50.01	68.20	18.19	PK
15720	52.55	-1.47	H	51.08	73.98	22.90	PK
15720	38.65	-1.47	H	37.18	53.98	16.80	AV

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	52.88	-3.05	V	49.83	68.20	18.37	PK
15540	51.10	-0.54	V	50.56	73.98	23.42	PK
15540	37.54	-0.54	V	37.00	53.98	16.98	AV
10360	52.75	-3.05	H	49.70	68.20	18.50	PK
15540	50.25	-0.54	H	49.71	73.98	24.27	PK
15540	37.48	-0.54	H	36.94	53.98	17.04	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	52.77	-2.37	V	50.40	68.20	17.80	PK
15600	52.61	-1.59	V	51.02	73.98	22.96	PK
15600	38.40	-1.59	V	36.81	53.98	17.17	AV
10400	52.50	-2.37	H	50.13	68.20	18.07	PK
15600	52.79	-1.59	H	51.20	73.98	22.78	PK
15600	38.35	-1.59	H	36.76	53.98	17.22	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	53.91	-3.66	V	50.25	68.20	17.95	PK
15720	52.61	-1.47	V	51.14	73.98	22.84	PK
15720	38.70	-1.47	V	37.23	53.98	16.75	AV
10480	53.61	-3.66	H	49.95	68.20	18.25	PK
15720	52.78	-1.47	H	51.31	73.98	22.67	PK
15720	38.61	-1.47	H	37.14	53.98	16.84	AV

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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	53.16	-2.77	V	50.39	68.20	17.81	PK
15570	50.74	-1.81	V	48.93	73.98	25.05	PK
15570	37.79	-1.81	V	35.98	53.98	18.00	AV
10380	52.88	-2.77	H	50.11	68.20	18.09	PK
15570	50.11	-1.81	H	48.30	73.98	25.68	PK
15570	37.70	-1.81	H	35.89	53.98	18.09	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	53.67	-3.46	V	50.21	68.20	17.99	PK
15690	52.48	-1.19	V	51.29	73.98	22.69	PK
15690	38.95	-1.19	V	37.76	53.98	16.22	AV
10460	52.89	-3.46	H	49.43	68.20	18.77	PK
15690	52.55	-1.19	H	51.36	73.98	22.62	PK
15690	38.81	-1.19	H	37.62	53.98	16.36	AV

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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	53.61	-2.77	V	50.84	68.20	17.36	PK
15570	49.85	-1.81	V	48.04	73.98	25.94	PK
15570	37.70	-1.81	V	35.89	53.98	18.09	AV
10380	52.94	-2.77	H	50.17	68.20	18.03	PK
15570	49.99	-1.81	H	48.18	73.98	25.80	PK
15570	37.65	-1.81	H	35.84	53.98	18.14	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	53.60	-3.46	V	50.14	68.20	18.06	PK
15690	51.45	-1.19	V	50.26	73.98	23.72	PK
15690	38.79	-1.19	V	37.60	53.98	16.38	AV
10460	52.80	-3.46	H	49.34	68.20	18.86	PK
15690	52.47	-1.19	H	51.28	73.98	22.70	PK
15690	38.88	-1.19	H	37.69	53.98	16.29	AV

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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	53.74	-3.07	V	50.67	68.20	17.53	PK
15630	49.78	-2.10	V	47.68	73.98	26.30	PK
15630	38.81	-2.10	V	36.71	53.98	17.27	AV
10420	53.55	-3.07	H	50.48	68.20	17.72	PK
15630	50.14	-2.10	H	48.04	73.98	25.94	PK
15630	38.44	-2.10	H	36.34	53.98	17.64	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	53.71	-3.56	V	50.15	68.20	18.05	PK
15780	51.87	-1.55	V	50.32	73.98	23.66	PK
15780	38.73	-1.55	V	37.18	53.98	16.80	AV
10520	53.23	-3.56	H	49.67	68.20	18.53	PK
15780	51.55	-1.55	H	50.00	73.98	23.98	PK
15780	38.61	-1.55	H	37.06	53.98	16.92	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	53.90	-3.25	V	50.65	73.98	23.33	PK
10600	40.33	-3.25	V	37.08	53.98	16.90	AV
15900	51.31	-2.45	V	48.86	73.98	25.12	PK
15900	37.46	-2.45	V	35.01	53.98	18.97	AV
10600	53.80	-3.25	H	50.55	73.98	23.43	PK
10600	40.17	-3.25	H	36.92	53.98	17.06	AV
15900	51.20	-2.45	H	48.75	73.98	25.23	PK
15900	37.16	-2.45	H	34.71	53.98	19.27	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	53.34	-3.24	V	50.10	73.98	23.88	PK
10640	39.64	-3.24	V	36.40	53.98	17.58	AV
15960	51.83	-2.12	V	49.71	73.98	24.27	PK
15960	38.22	-2.12	V	36.10	53.98	17.88	AV
10640	53.12	-3.24	H	49.88	73.98	24.10	PK
10640	39.39	-3.24	H	36.15	53.98	17.83	AV
15960	51.53	-2.12	H	49.41	73.98	24.57	PK
15960	38.01	-2.12	H	35.89	53.98	18.09	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	53.28	-3.56	V	49.72	68.20	18.48	PK
15780	51.48	-1.55	V	49.93	73.98	24.05	PK
15780	38.59	-1.55	V	37.04	53.98	16.94	AV
10520	53.51	-3.56	H	49.95	68.20	18.25	PK
15780	51.94	-1.55	H	50.39	73.98	23.59	PK
15780	38.68	-1.55	H	37.13	53.98	16.85	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	52.94	-3.25	V	49.69	73.98	24.29	PK
10600	40.21	-3.25	V	36.96	53.98	17.02	AV
15900	51.40	-2.45	V	48.95	73.98	25.03	PK
15900	37.41	-2.45	V	34.96	53.98	19.02	AV
10600	52.77	-3.25	H	49.52	73.98	24.46	PK
10600	40.04	-3.25	H	36.79	53.98	17.19	AV
15900	50.89	-2.45	H	48.44	73.98	25.54	PK
15900	37.25	-2.45	H	34.80	53.98	19.18	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	52.75	-3.24	V	49.51	73.98	24.47	PK
10640	39.48	-3.24	V	36.24	53.98	17.74	AV
15960	51.65	-2.12	V	49.53	73.98	24.45	PK
15960	38.19	-2.12	V	36.07	53.98	17.91	AV
10640	52.92	-3.24	H	49.68	73.98	24.30	PK
10640	39.20	-3.24	H	35.96	53.98	18.02	AV
15960	51.25	-2.12	H	49.13	73.98	24.85	PK
15960	38.05	-2.12	H	35.93	53.98	18.05	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	52.90	-3.56	V	49.34	68.20	18.86	PK
15780	51.31	-1.55	V	49.76	73.98	24.22	PK
15780	38.50	-1.55	V	36.95	53.98	17.03	AV
10520	52.55	-3.56	H	48.99	68.20	19.21	PK
15780	52.17	-1.55	H	50.62	73.98	23.36	PK
15780	38.51	-1.55	H	36.96	53.98	17.02	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	52.81	-3.25	V	49.56	73.98	24.42	PK
10600	40.18	-3.25	V	36.93	53.98	17.05	AV
15900	50.45	-2.45	V	48.00	73.98	25.98	PK
15900	36.95	-2.45	V	34.50	53.98	19.48	AV
10600	52.77	-3.25	H	49.52	73.98	24.46	PK
10600	39.95	-3.25	H	36.70	53.98	17.28	AV
15900	50.25	-2.45	H	47.80	73.98	26.18	PK
15900	37.11	-2.45	H	34.66	53.98	19.32	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	52.61	-3.24	V	49.37	73.98	24.61	PK
10640	39.32	-3.24	V	36.08	53.98	17.90	AV
15960	51.70	-2.12	V	49.58	73.98	24.40	PK
15960	38.15	-2.12	V	36.03	53.98	17.95	AV
10640	52.58	-3.24	H	49.34	73.98	24.64	PK
10640	39.11	-3.24	H	35.87	53.98	18.11	AV
15960	50.89	-2.12	H	48.77	73.98	25.21	PK
15960	38.08	-2.12	H	35.96	53.98	18.02	AV

Band : UNII 2A

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: 0

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	51.99	-3.12	V	48.87	68.20	19.33	PK
15810	51.55	-2.01	V	49.54	73.98	24.44	PK
15810	38.92	-2.01	V	36.91	53.98	17.07	AV
10540	52.14	-3.12	H	49.02	68.20	19.18	PK
15810	51.89	-2.01	H	49.88	73.98	24.10	PK
15810	38.81	-2.01	H	36.80	53.98	17.18	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	52.55	-3.41	V	49.14	73.98	24.84	PK
10620	39.52	-3.41	V	36.11	53.98	17.87	AV
15930	52.10	-2.67	V	49.43	73.98	24.55	PK
15930	38.43	-2.67	V	35.76	53.98	18.22	AV
10620	52.71	-3.41	H	49.30	73.98	24.68	PK
10620	39.43	-3.41	H	36.02	53.98	17.96	AV
15930	51.45	-2.67	H	48.78	73.98	25.20	PK
15930	38.48	-2.67	H	35.81	53.98	18.17	AV

Band : UNII 2A

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: 0

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	51.65	-3.12	V	48.53	68.20	19.67	PK
15810	50.49	-2.01	V	48.48	73.98	25.50	PK
15810	38.88	-2.01	V	36.87	53.98	17.11	AV
10540	51.88	-3.12	H	48.76	68.20	19.44	PK
15810	50.91	-2.01	H	48.90	73.98	25.08	PK
15810	38.85	-2.01	H	36.84	53.98	17.14	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	53.11	-3.41	V	49.70	73.98	24.28	PK
10620	39.74	-3.41	V	36.33	53.98	17.65	AV
15930	52.78	-2.67	V	50.11	73.98	23.87	PK
15930	38.61	-2.67	V	35.94	53.98	18.04	AV
10620	53.10	-3.41	H	49.69	73.98	24.29	PK
10620	39.46	-3.41	H	36.05	53.98	17.93	AV
15930	50.89	-2.67	H	48.22	73.98	25.76	PK
15930	38.50	-2.67	H	35.83	53.98	18.15	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	52.99	-3.18	V	49.81	68.20	18.39	PK
15870	50.89	-2.72	V	48.17	73.98	25.81	PK
15870	39.98	-2.72	V	37.26	53.98	16.72	AV
10580	53.18	-3.18	H	50.00	68.20	18.20	PK
15870	51.11	-2.72	H	48.39	73.98	25.59	PK
15870	39.91	-2.72	H	37.19	53.98	16.79	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	52.18	-2.21	V	49.97	73.98	24.01	PK
11000	38.69	-2.21	V	36.48	53.98	17.50	AV
16500	51.98	-0.52	V	51.46	68.20	16.74	PK
11000	52.07	-2.21	H	49.86	73.98	24.12	PK
11000	38.67	-2.21	H	36.46	53.98	17.52	AV
16500	51.55	-0.52	H	51.03	68.20	17.17	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	53.07	-2.34	V	50.73	73.98	23.25	PK
11200	38.95	-2.34	V	36.61	53.98	17.37	AV
16800	52.23	1.04	V	53.27	68.20	14.93	PK
11200	52.86	-2.34	H	50.52	73.98	23.46	PK
11200	38.44	-2.34	H	36.10	53.98	17.88	AV
16800	52.06	1.04	H	53.10	68.20	15.10	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	52.80	-1.98	V	50.82	73.98	23.16	PK
11440	39.11	-1.98	V	37.13	53.98	16.85	AV
17160	52.36	2.38	V	54.74	68.20	13.46	PK
11440	52.63	-1.98	H	50.65	73.98	23.33	PK
11440	38.79	-1.98	H	36.81	53.98	17.17	AV
17160	52.17	2.38	H	54.55	68.20	13.65	PK

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	51.76	-2.21	V	49.55	73.98	24.43	PK
11000	38.45	-2.21	V	36.24	53.98	17.74	AV
16500	52.48	-0.52	V	51.96	68.20	16.24	PK
11000	52.08	-2.21	H	49.87	73.98	24.11	PK
11000	38.60	-2.21	H	36.39	53.98	17.59	AV
16500	52.00	-0.52	H	51.48	68.20	16.72	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	52.95	-2.34	V	50.61	73.98	23.37	PK
11200	38.77	-2.34	V	36.43	53.98	17.55	AV
16800	52.10	1.04	V	53.14	68.20	15.06	PK
11200	52.55	-2.34	H	50.21	73.98	23.77	PK
11200	38.38	-2.34	H	36.04	53.98	17.94	AV
16800	51.25	1.04	H	52.29	68.20	15.91	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	52.00	-1.98	V	50.02	73.98	23.96	PK
11440	38.92	-1.98	V	36.94	53.98	17.04	AV
17160	52.14	2.38	V	54.52	68.20	13.68	PK
11440	51.45	-1.98	H	49.47	73.98	24.51	PK
11440	38.66	-1.98	H	36.68	53.98	17.30	AV
17160	52.01	2.38	H	54.39	68.20	13.81	PK

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	51.20	-2.21	V	48.99	73.98	24.99	PK
11000	38.51	-2.21	V	36.30	53.98	17.68	AV
16500	52.11	-0.52	V	51.59	68.20	16.61	PK
11000	51.68	-2.21	H	49.47	73.98	24.51	PK
11000	38.48	-2.21	H	36.27	53.98	17.71	AV
16500	51.68	-0.52	H	51.16	68.20	17.04	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	52.22	-2.34	V	49.88	73.98	24.10	PK
11200	38.65	-2.34	V	36.31	53.98	17.67	AV
16800	50.89	1.04	V	51.93	68.20	16.27	PK
11200	52.14	-2.34	H	49.80	73.98	24.18	PK
11200	38.40	-2.34	H	36.06	53.98	17.92	AV
16800	51.09	1.04	H	52.13	68.20	16.07	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	51.65	-1.98	V	49.67	73.98	24.31	PK
11440	38.88	-1.98	V	36.90	53.98	17.08	AV
17160	52.07	2.38	V	54.45	68.20	13.75	PK
11440	50.89	-1.98	H	48.91	73.98	25.07	PK
11440	38.54	-1.98	H	36.56	53.98	17.42	AV
17160	51.66	2.38	H	54.04	68.20	14.16	PK

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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	50.89	-2.01	V	48.88	73.98	25.10	PK
11020	38.81	-2.01	V	36.80	53.98	17.18	AV
16530	52.08	-0.95	V	51.13	68.20	17.07	PK
11020	51.44	-2.01	H	49.43	73.98	24.55	PK
11020	38.77	-2.01	H	36.76	53.98	17.22	AV
16530	52.21	-0.95	H	51.26	68.20	16.94	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: 0

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	52.78	-1.85	V	50.93	73.98	23.05	PK
11180	38.96	-1.85	V	37.11	53.98	16.87	AV
16770	51.77	-0.91	V	50.86	68.20	17.34	PK
11180	51.88	-1.85	H	50.03	73.98	23.95	PK
11180	38.77	-1.85	H	36.92	53.98	17.06	AV
16770	51.34	-0.91	H	50.43	68.20	17.77	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	52.10	-1.92	V	50.18	73.98	23.80	PK
11420	39.02	-1.92	V	37.10	53.98	16.88	AV
17130	52.35	2.04	V	54.39	68.20	13.81	PK
11420	51.11	-1.92	H	49.19	73.98	24.79	PK
11420	38.94	-1.92	H	37.02	53.98	16.96	AV
17130	52.10	2.04	H	54.14	68.20	14.06	PK

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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	50.71	-2.01	V	48.70	73.98	25.28	PK
11020	38.68	-2.01	V	36.67	53.98	17.31	AV
16530	51.89	-0.95	V	50.94	68.20	17.26	PK
11020	50.77	-2.01	H	48.76	73.98	25.22	PK
11020	38.81	-2.01	H	36.80	53.98	17.18	AV
16530	51.67	-0.95	H	50.72	68.20	17.48	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: 0

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	51.89	-1.85	V	50.04	73.98	23.94	PK
11180	38.81	-1.85	V	36.96	53.98	17.02	AV
16770	51.94	-0.91	V	51.03	68.20	17.17	PK
11180	51.55	-1.85	H	49.70	73.98	24.28	PK
11180	38.65	-1.85	H	36.80	53.98	17.18	AV
16770	51.46	-0.91	H	50.55	68.20	17.65	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	51.76	-1.92	V	49.84	73.98	24.14	PK
11420	38.95	-1.92	V	37.03	53.98	16.95	AV
17130	52.44	2.04	V	54.48	68.20	13.72	PK
11420	51.35	-1.92	H	49.43	73.98	24.55	PK
11420	38.89	-1.92	H	36.97	53.98	17.01	AV
17130	51.82	2.04	H	53.86	68.20	14.34	PK

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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	51.88	-2.06	V	49.82	73.98	24.16	PK
11060	40.68	-2.06	V	38.62	53.98	15.36	AV
16590	51.98	-0.96	V	51.02	68.20	17.18	PK
11060	51.24	-2.06	H	49.18	73.98	24.80	PK
11060	40.39	-2.06	H	38.33	53.98	15.65	AV
16590	52.11	-0.96	H	51.15	68.20	17.05	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: 0

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	51.75	-2.33	V	49.42	73.98	24.56	PK
11220	40.51	-2.33	V	38.18	53.98	15.80	AV
16830	52.19	0.65	V	52.84	68.20	15.36	PK
11220	51.89	-2.33	H	49.56	73.98	24.42	PK
11220	40.35	-2.33	H	38.02	53.98	15.96	AV
16830	51.88	0.65	H	52.53	68.20	15.67	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	52.47	-2.02	V	50.45	73.98	23.53	PK
11380	40.99	-2.02	V	38.97	53.98	15.01	AV
17070	50.14	1.48	V	51.62	68.20	16.58	PK
11380	52.89	-2.02	H	50.87	73.98	23.11	PK
11380	40.88	-2.02	H	38.86	53.98	15.12	AV
17070	49.02	1.48	H	50.50	68.20	17.70	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	53.09	-2.07	V	51.02	73.98	22.96	PK
11490	39.30	-2.07	V	37.23	53.98	16.75	AV
17235	52.43	2.97	V	55.40	68.20	12.80	PK
11490	52.78	-2.07	H	50.71	73.98	23.27	PK
11490	39.12	-2.07	H	37.05	53.98	16.93	AV
17235	52.11	2.97	H	55.08	68.20	13.12	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	52.78	-2.13	V	50.65	73.98	23.33	PK
11570	39.10	-2.13	V	36.97	53.98	17.01	AV
17355	51.00	3.16	V	54.16	68.20	14.05	PK
11570	52.65	-2.13	H	50.52	73.98	23.46	PK
11570	39.01	-2.13	H	36.88	53.98	17.10	AV
17355	50.85	3.16	H	54.01	68.20	14.20	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	52.59	-2.56	V	50.03	73.98	23.95	PK
11650	39.81	-2.56	V	37.25	53.98	16.73	AV
17475	49.84	4.17	V	54.01	68.20	14.20	PK
11650	53.39	-2.56	H	50.83	73.98	23.15	PK
11650	39.55	-2.56	H	36.99	53.98	16.99	AV
17475	50.53	4.17	H	54.70	68.20	13.51	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	52.35	-2.07	V	50.28	73.98	23.70	PK
11490	39.08	-2.07	V	37.01	53.98	16.97	AV
17235	52.07	2.97	V	55.04	68.20	13.16	PK
11490	52.45	-2.07	H	50.38	73.98	23.60	PK
11490	38.99	-2.07	H	36.92	53.98	17.06	AV
17235	51.45	2.97	H	54.42	68.20	13.78	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	52.61	-2.13	V	50.48	73.98	23.50	PK
11570	38.88	-2.13	V	36.75	53.98	17.23	AV
17355	50.45	3.16	V	53.61	68.20	14.60	PK
11570	51.67	-2.13	H	49.54	73.98	24.44	PK
11570	38.79	-2.13	H	36.66	53.98	17.32	AV
17355	50.44	3.16	H	53.60	68.20	14.61	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	52.01	-2.56	V	49.45	73.98	24.53	PK
11650	39.65	-2.56	V	37.09	53.98	16.89	AV
17475	49.77	4.17	V	53.94	68.20	14.27	PK
11650	52.40	-2.56	H	49.84	73.98	24.14	PK
11650	39.75	-2.56	H	37.19	53.98	16.79	AV
17475	49.35	4.17	H	53.52	68.20	14.69	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	51.35	-2.07	V	49.28	73.98	24.70	PK
11490	38.91	-2.07	V	36.84	53.98	17.14	AV
17235	51.65	2.97	V	54.62	68.20	13.58	PK
11490	51.78	-2.07	H	49.71	73.98	24.27	PK
11490	38.75	-2.07	H	36.68	53.98	17.30	AV
17235	51.08	2.97	H	54.05	68.20	14.15	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	51.45	-2.13	V	49.32	73.98	24.66	PK
11570	38.95	-2.13	V	36.82	53.98	17.16	AV
17355	50.99	3.16	V	54.15	68.20	14.06	PK
11570	51.35	-2.13	H	49.22	73.98	24.76	PK
11570	38.84	-2.13	H	36.71	53.98	17.27	AV
17355	50.55	3.16	H	53.71	68.20	14.50	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	51.77	-2.56	V	49.21	73.98	24.77	PK
11650	39.42	-2.56	V	36.86	53.98	17.12	AV
17475	49.51	4.17	V	53.68	68.20	14.53	PK
11650	51.78	-2.56	H	49.22	73.98	24.76	PK
11650	39.68	-2.56	H	37.12	53.98	16.86	AV
17475	49.34	4.17	H	53.51	68.20	14.70	PK

Band : UNII 3

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: 0

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	51.46	-1.83	V	49.63	73.98	24.35	PK
11510	39.18	-1.83	V	37.35	53.98	16.63	AV
17265	51.09	2.60	V	53.69	68.20	14.52	PK
11510	51.55	-1.83	H	49.72	73.98	24.26	PK
11510	39.01	-1.83	H	37.18	53.98	16.80	AV
17265	51.44	2.60	H	54.04	68.20	14.17	PK

Band : UNII 3

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: 0

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	52.11	-2.10	V	50.01	73.98	23.97	PK
11590	39.82	-2.10	V	37.72	53.98	16.26	AV
17385	49.68	3.42	V	53.10	68.20	15.10	PK
11590	51.50	-2.10	H	49.40	73.98	24.58	PK
11590	39.98	-2.10	H	37.88	53.98	16.10	AV
17385	50.14	3.42	H	53.56	68.20	14.64	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: 0

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	51.89	-1.83	V	50.06	73.98	23.92	PK
11510	39.15	-1.83	V	37.32	53.98	16.66	AV
17265	51.11	2.60	V	53.71	68.20	14.50	PK
11510	51.24	-1.83	H	49.41	73.98	24.57	PK
11510	39.11	-1.83	H	37.28	53.98	16.70	AV
17265	51.54	2.60	H	54.14	68.20	14.07	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: 0

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	51.89	-2.10	V	49.79	73.98	24.19	PK
11590	39.88	-2.10	V	37.78	53.98	16.20	AV
17385	50.14	3.42	V	53.56	68.20	14.64	PK
11590	50.82	-2.10	H	48.72	73.98	25.26	PK
11590	39.91	-2.10	H	37.81	53.98	16.17	AV
17385	49.85	3.42	H	53.27	68.20	14.93	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT80)

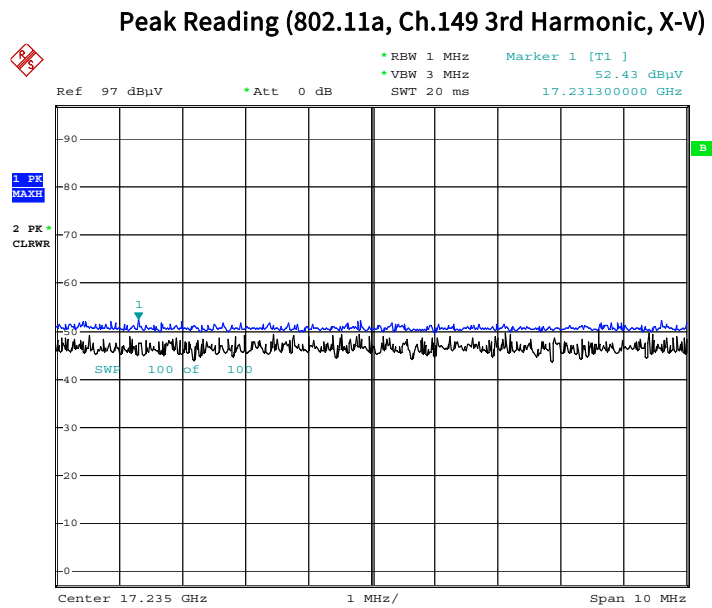
Transfer MCS Index: 0

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	51.05	-1.50	V	49.55	73.98	24.43	PK
11550	41.38	-1.50	V	39.88	53.98	14.10	AV
17325	50.44	3.32	V	53.76	68.20	14.45	PK
11550	50.77	-1.50	H	49.27	73.98	24.71	PK
11550	41.24	-1.50	H	39.74	53.98	14.24	AV
17325	49.91	3.32	H	53.23	68.20	14.98	PK

Test Plots



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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	55.81	3.89	H	59.70	73.98	14.28	PK
5150	42.34	3.89	H	46.23	53.98	7.75	AV
5150	55.34	3.89	V	59.23	73.98	14.75	PK
5150	41.76	3.89	V	45.65	53.98	8.33	AV

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	56.44	3.89	H	60.33	73.98	13.65	PK
5150	43.53	3.89	H	47.42	53.98	6.56	AV
5150	55.94	3.89	V	59.83	73.98	14.15	PK
5150	43.15	3.89	V	47.04	53.98	6.94	AV

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	57.15	3.89	H	61.04	73.98	12.94	PK
5150	43.60	3.89	H	47.49	53.98	6.49	AV
5150	56.90	3.89	V	60.79	73.98	13.19	PK
5150	43.18	3.89	V	47.07	53.98	6.91	AV

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	63.73	3.89	H	67.62	73.98	6.36	PK
5150	45.76	3.89	H	49.65	53.98	4.33	AV
5150	63.27	3.89	V	67.16	73.98	6.82	PK
5150	45.18	3.89	V	49.07	53.98	4.91	AV

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	65.03	3.89	H	68.92	73.98	5.06	PK
5150	45.54	3.89	H	49.43	53.98	4.55	AV
5150	64.51	3.89	V	68.4	73.98	5.58	PK
5150	45.17	3.89	V	49.06	53.98	4.92	AV

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	62.56	3.89	H	66.45	73.98	7.53	PK
5150	45.83	3.89	H	49.72	53.98	4.26	AV
5150	62.12	3.89	V	66.01	73.98	7.97	PK
5150	45.68	3.89	V	49.57	53.98	4.41	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	57.32	4.22	H	61.54	73.98	12.44	PK
5350	42.93	4.22	H	47.15	53.98	6.83	AV
5350	57.05	4.22	V	61.27	73.98	12.71	PK
5350	42.12	4.22	V	46.34	53.98	7.64	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	56.86	4.22	H	61.08	73.98	12.90	PK
5350	41.99	4.22	H	46.21	53.98	7.77	AV
5350	56.50	4.22	V	60.72	73.98	13.26	PK
5350	41.71	4.22	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	57.87	4.22	H	62.09	73.98	11.89	PK
5350	42.01	4.22	H	46.23	53.98	7.75	AV
5350	57.19	4.22	V	61.41	73.98	12.57	PK
5350	41.55	4.22	V	45.77	53.98	8.21	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	64.38	4.22	H	68.60	73.98	5.38	PK
5350	45.94	4.22	H	50.16	53.98	3.82	AV
5350	64.14	4.22	V	68.36	73.98	5.62	PK
5350	45.85	4.22	V	50.07	53.98	3.91	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	63.91	4.22	H	68.13	73.98	5.85	PK
5350	45.91	4.22	H	50.13	53.98	3.85	AV
5350	63.51	4.22	V	67.73	73.98	6.25	PK
5350	45.44	4.22	V	49.66	53.98	4.32	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	64.99	4.22	H	69.21	73.98	4.77	PK
5350	46.37	4.22	H	50.59	53.98	3.39	AV
5350	64.75	4.22	V	68.97	73.98	5.01	PK
5350	46.10	4.22	V	50.32	53.98	3.66	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	54.71	5.10	H	59.81	73.98	14.17	PK
5460	42.41	5.10	H	47.51	53.98	6.47	AV
5470	60.24	5.06	H	65.3	68.20	2.90	PK
5460	54.42	5.10	V	59.52	73.98	14.46	PK
5460	41.03	5.10	V	46.13	53.98	7.85	AV
5470	59.99	5.06	V	65.05	68.20	3.15	PK

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	55.26	5.10	H	60.36	73.98	13.62	PK
5460	41.45	5.10	H	46.55	53.98	7.43	AV
5470	60.12	5.06	H	65.18	68.20	3.02	PK
5460	54.17	5.10	V	59.27	73.98	14.71	PK
5460	40.98	5.10	V	46.08	53.98	7.90	AV
5470	59.58	5.06	V	64.64	68.20	3.56	PK

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	54.92	5.10	H	60.02	73.98	13.96	PK
5460	41.61	5.10	H	46.71	53.98	7.27	AV
5470	59.40	5.06	H	64.46	68.20	3.74	PK
5460	54.36	5.10	V	59.46	73.98	14.52	PK
5460	40.99	5.10	V	46.09	53.98	7.89	AV
5470	59.10	5.06	V	64.16	68.20	4.04	PK

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	55.92	5.10	H	61.02	73.98	12.96	PK
5460	41.57	5.10	H	46.67	53.98	7.31	AV
5470	59.74	5.06	H	64.8	68.20	3.40	PK
5460	54.90	5.10	V	60	73.98	13.98	PK
5460	40.96	5.10	V	46.06	53.98	7.92	AV
5470	59.11	5.06	V	64.17	68.20	4.03	PK

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

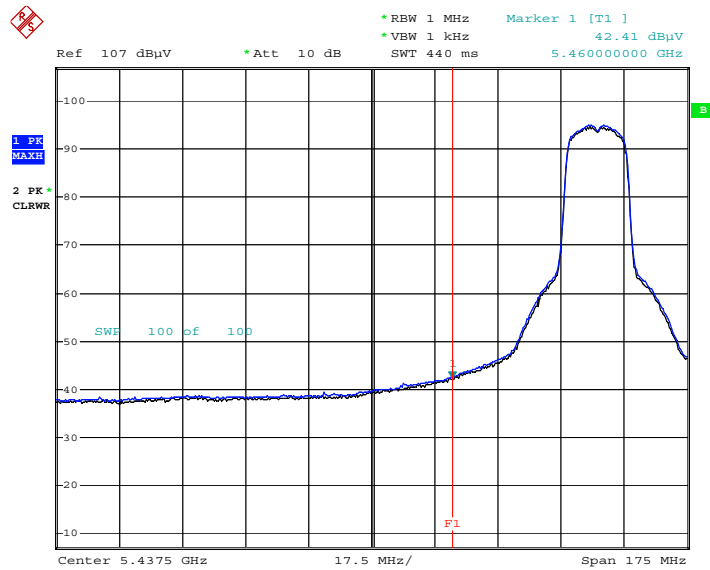
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5460	55.00	5.10	H	60.10	73.98	13.88	PK
5460	41.70	5.10	H	46.8	53.98	7.18	AV
5470	60.25	5.06	H	65.31	68.20	2.89	PK
5460	53.99	5.10	V	59.09	73.98	14.89	PK
5460	41.02	5.10	V	46.12	53.98	7.86	AV
5470	59.49	5.06	V	64.55	68.20	3.65	PK

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	56.55	5.10	H	61.65	73.98	12.33	PK
5460	43.37	5.10	H	48.47	53.98	5.51	AV
5470	60.17	5.06	H	65.23	68.20	2.97	PK
5460	56.24	5.10	V	61.34	73.98	12.64	PK
5460	43.11	5.10	V	48.21	53.98	5.77	AV
5470	59.53	5.06	V	64.59	68.20	3.61	PK

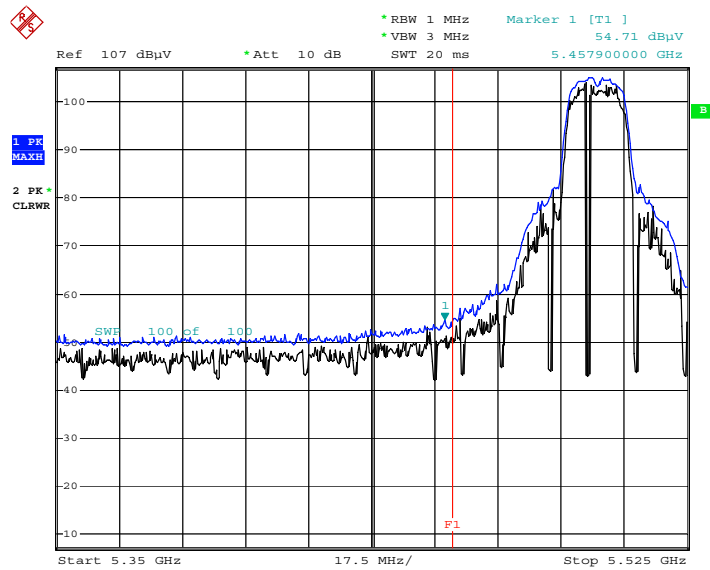
Test Plots(UNII 1, 2A, 2C)

Average Reading (802.11a, Ch.100, X-H)



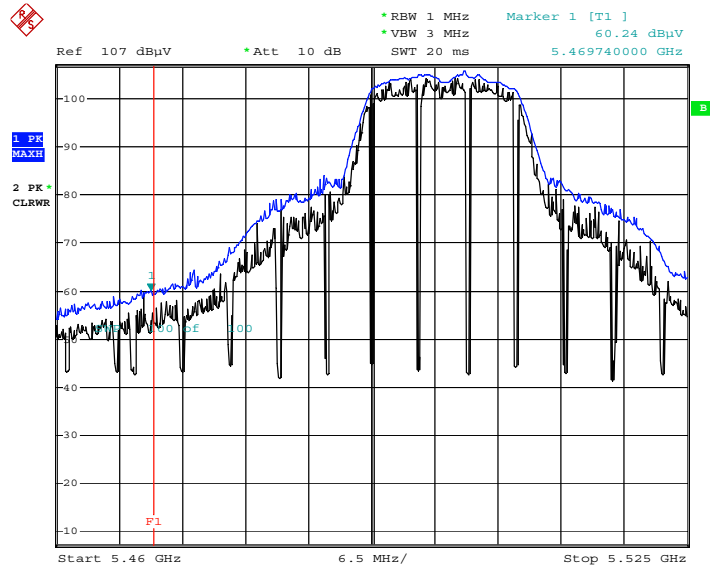
Date: 3.JUN.2019 12:29:14

Peak Reading (802.11a, Ch.100, X-H)



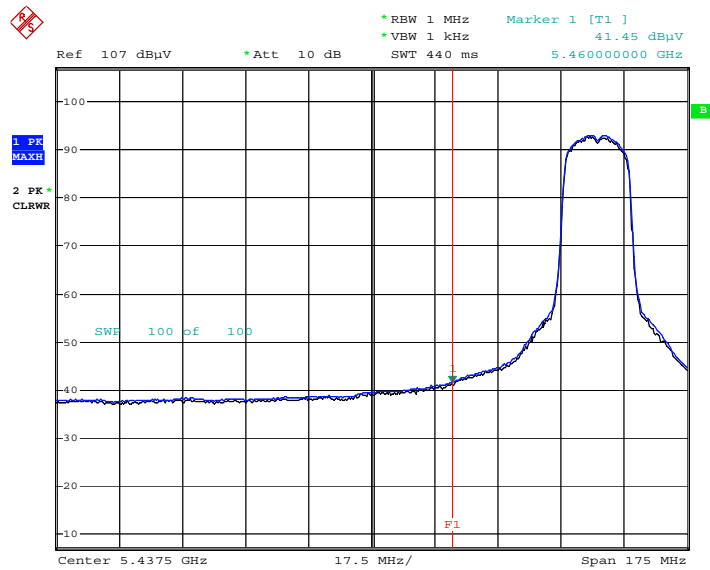
Date: 24.MAY.2019 15:58:40

Peak Reading (802.11a, Ch.100, X-H)



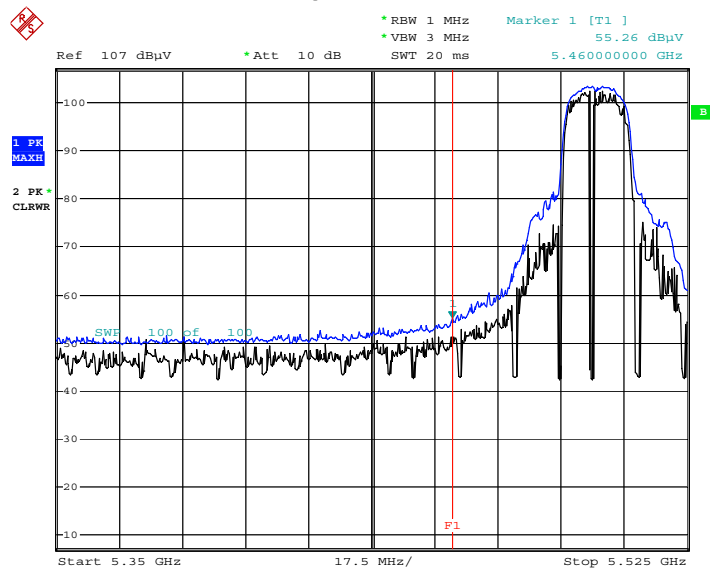
Date: 24.MAY.2019 16:00:16

Average Reading (802.11n_HT20, Ch.100, X-H)



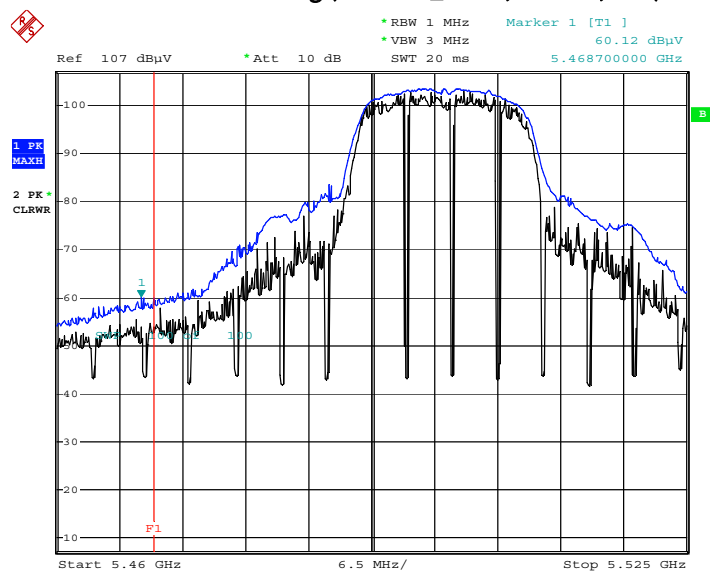
Date: 24.MAY.2019 16:05:08

Peak Reading (802.11n_HT20, Ch.100, X-H)



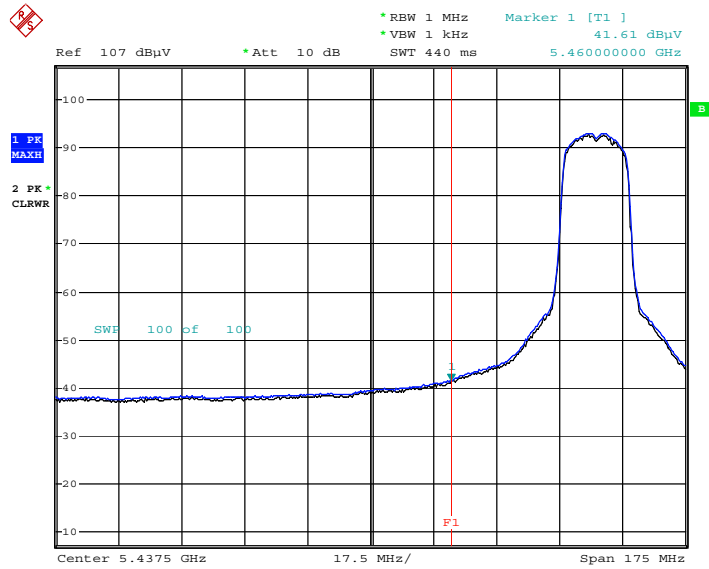
Date: 24.MAY.2019 16:04:03

Peak Reading (802.11n_HT20, Ch.100, X-H)



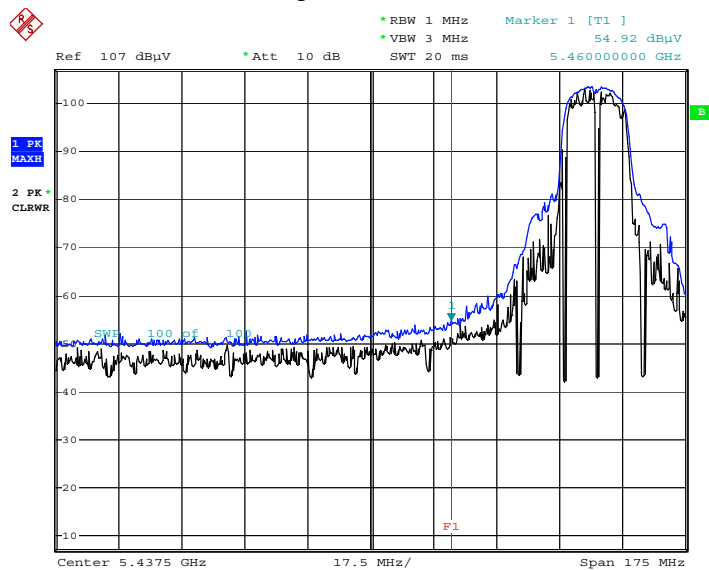
Date: 24.MAY.2019 16:02:30

Average Reading (802.11ac_VHT20, Ch.100, X-H)



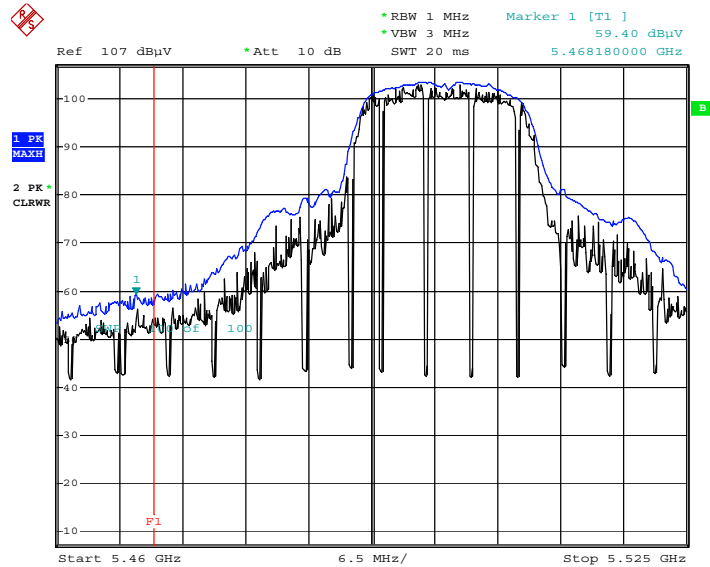
Date: 24.MAY.2019 16:07:01

Peak Reading (802.11ac_VHT20, Ch.100, X-H)



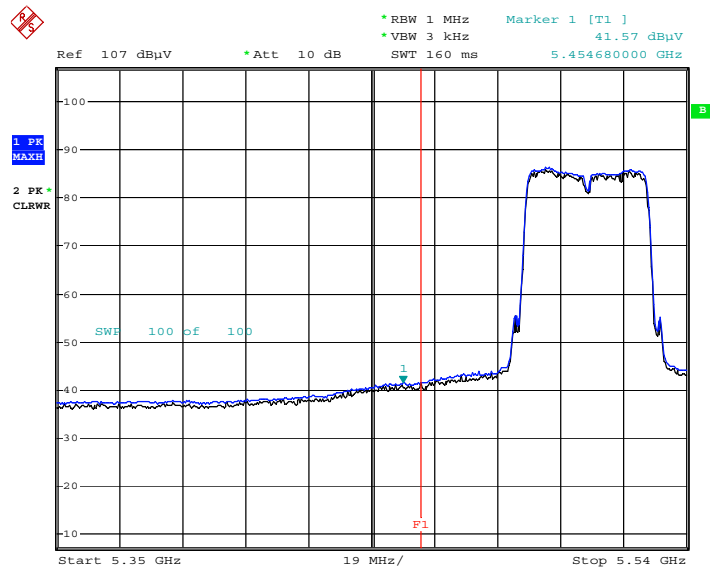
Date: 24.MAY.2019 16:08:38

Peak Reading (802.11ac_VHT20, Ch.100, X-H)



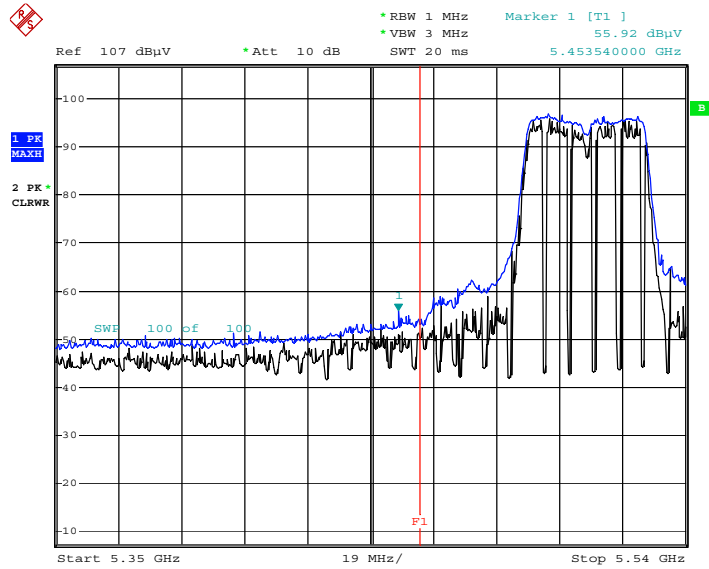
Date: 24.MAY.2019 16:10:32

Average Reading (802.11n_HT40, Ch.102, X-H)



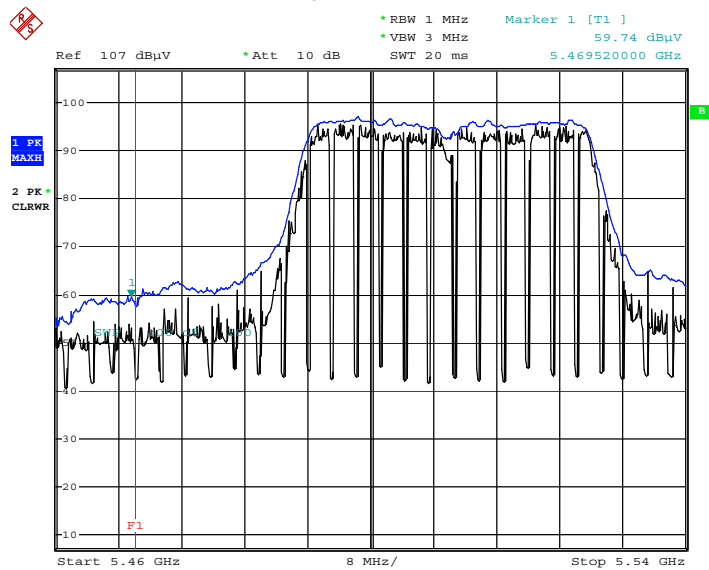
Date: 24.MAY.2019 15:53:43

Peak Reading (802.11n_HT40, Ch.102, X-H)



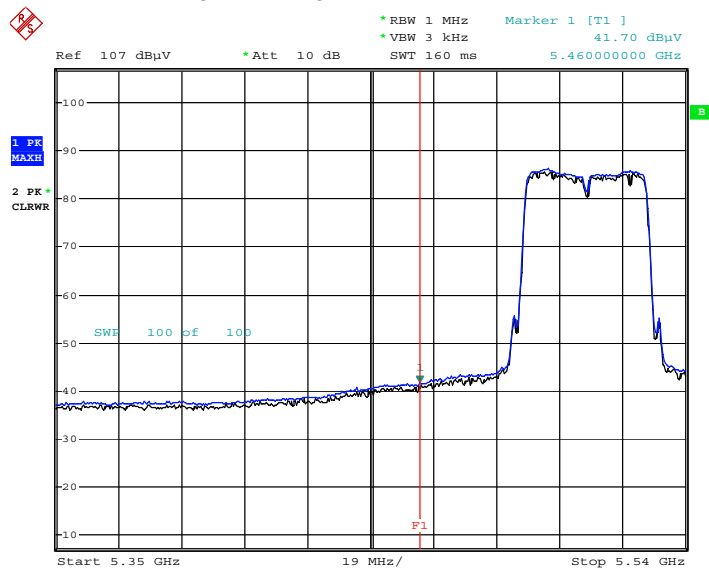
Date: 24.MAY.2019 15:52:51

Peak Reading (802.11n_HT40, Ch.102, X-H)



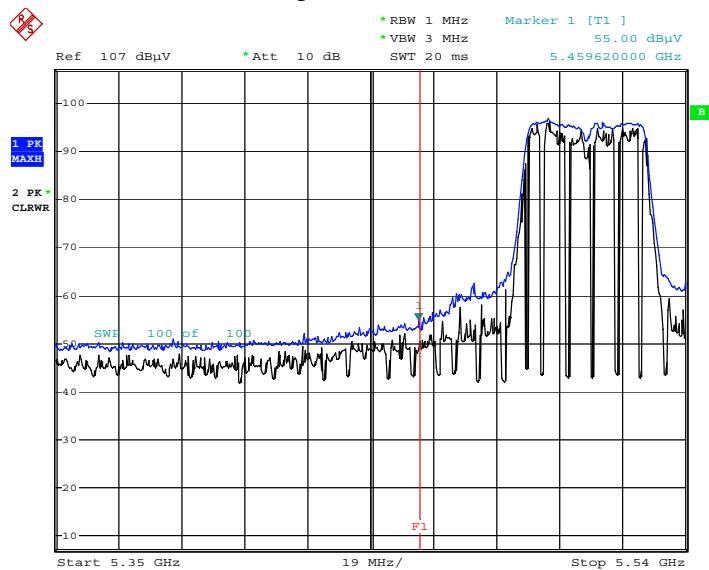
Date: 24.MAY.2019 15:51:42

Average Reading (802.11ac_VHT40, Ch.102, X-H)



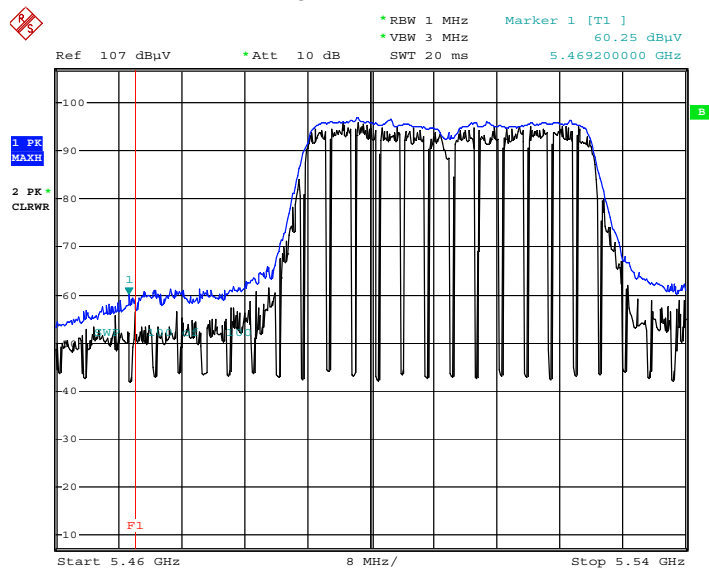
Date: 24.MAY.2019 15:44:23

Peak Reading (802.11ac_VHT40, Ch.102, X-H)



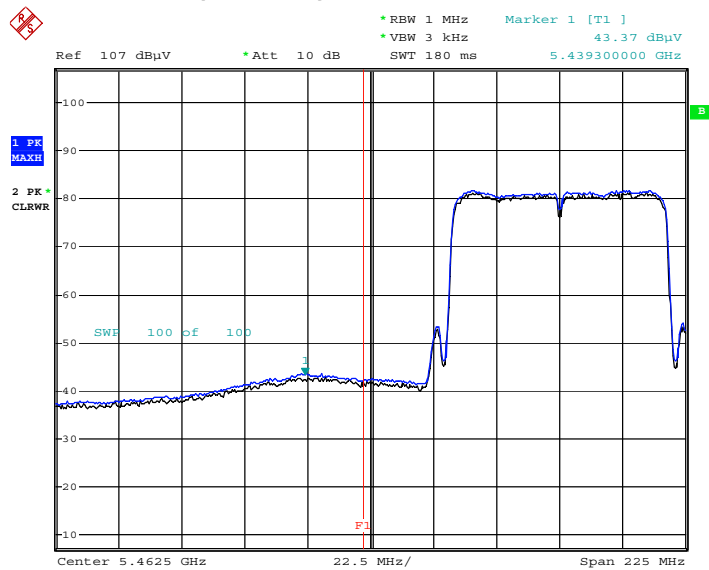
Date: 24.MAY.2019 15:45:54

Peak Reading (802.11ac_VHT40, Ch.102, X-H)



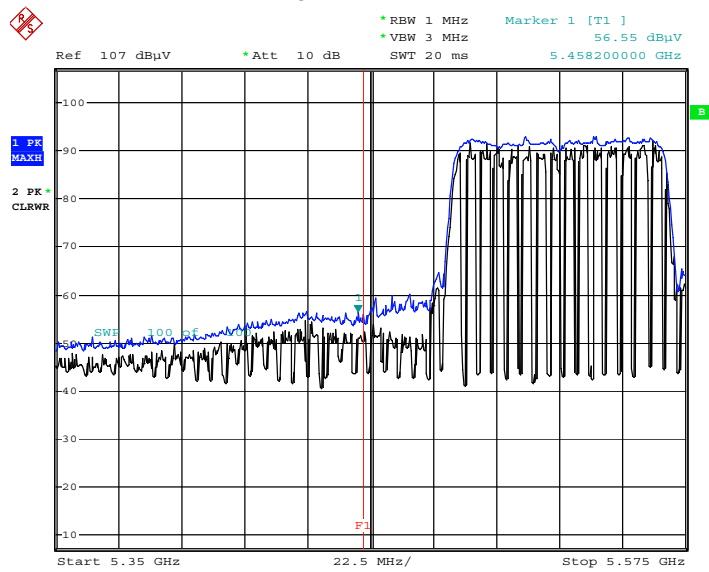
Date: 24.MAY.2019 15:46:46

Average Reading (802.11ac_VHT80, Ch.106, X-H)



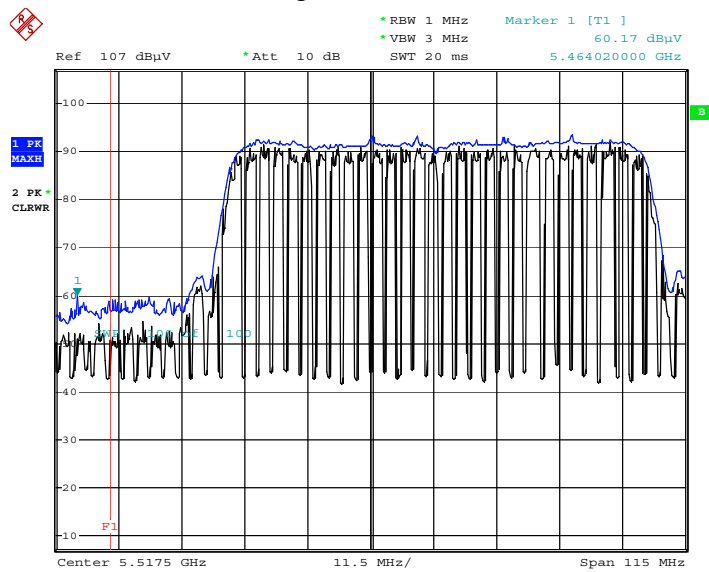
Date: 24.MAY.2019 15:39:28

Peak Reading (802.11ac_VHT80, Ch.106, X-H)



Date: 24.MAY.2019 15:38:31

Peak Reading (802.11ac_VHT80, Ch.106, X-H)

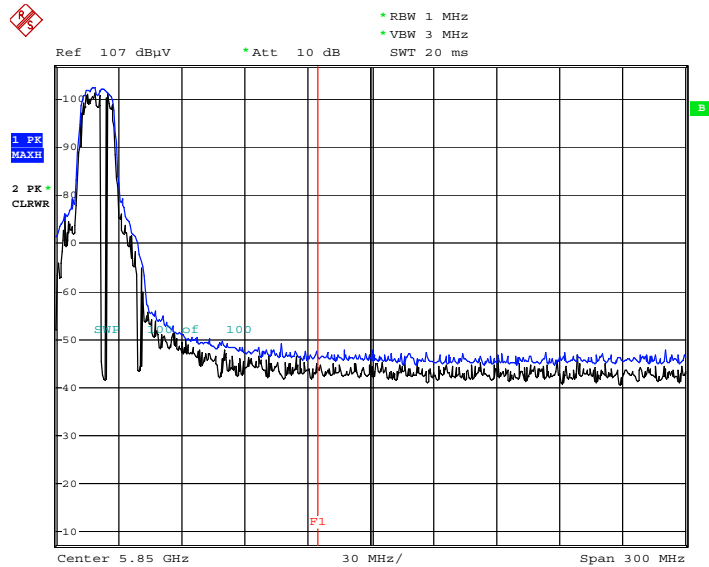


Date: 24.MAY.2019 15:35:49

Note : Only the worst case plots for Radiated Restricted Band Edge.

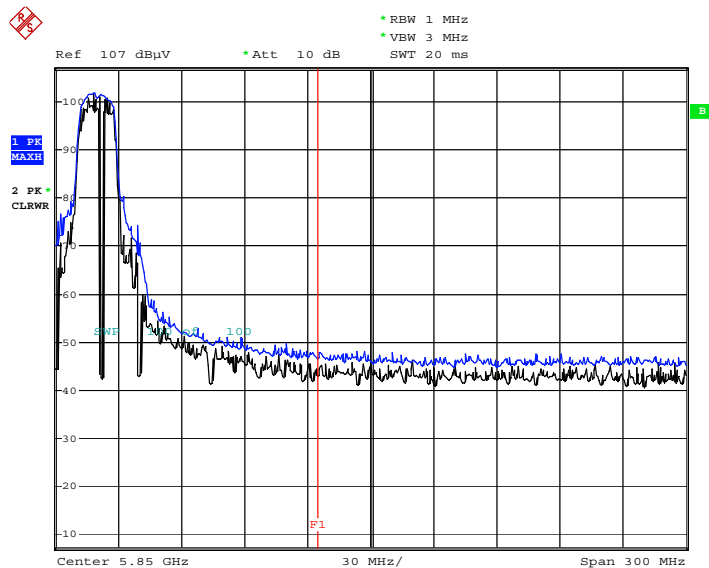
Test Plots(Staraddle Channel)

Peak Reading (802.11a, Ch.144, X-H)



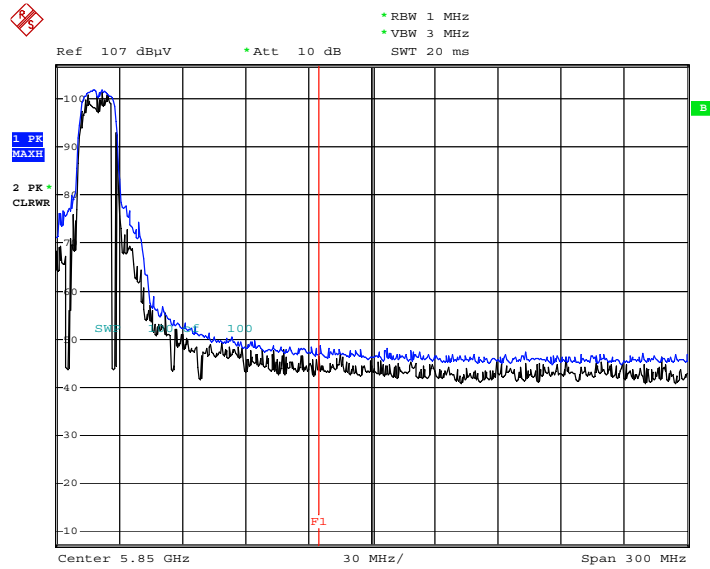
Date: 3.JUN.2019 12:21:18

Peak Reading (802.11n_HT20, Ch.144, X-H)



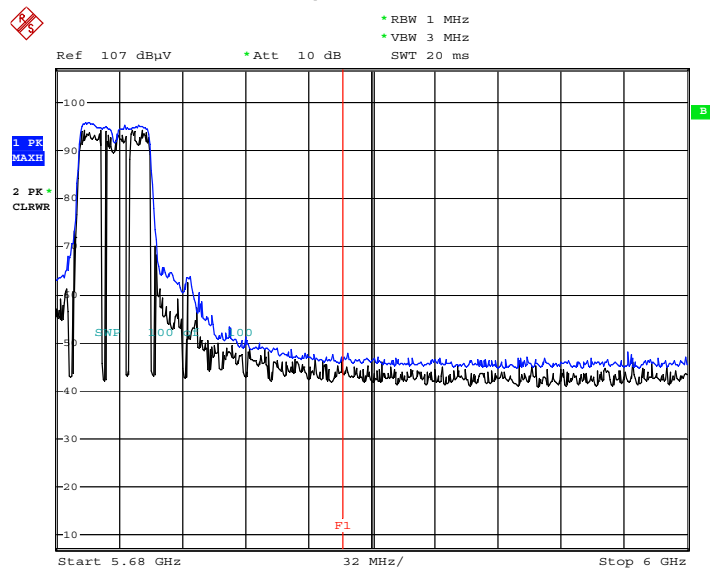
Date: 3.JUN.2019 12:23:51

Peak Reading (802.11ac_VHT20, Ch.144, X-H)



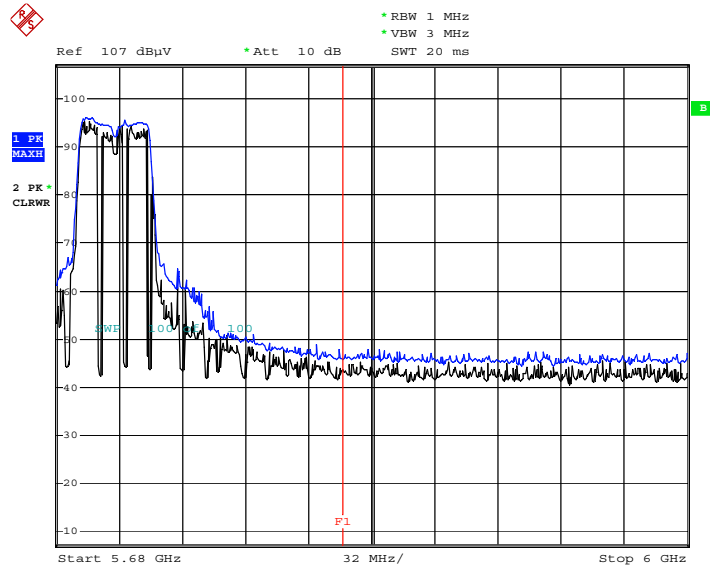
Date: 3.JUN.2019 12:24:25

Peak Reading (802.11n_HT40, Ch.142, X-H)



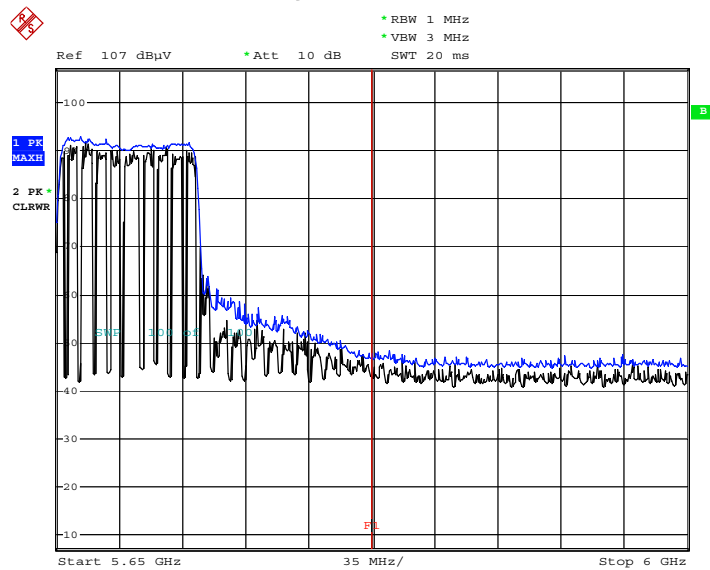
Date: 3.JUN.2019 12:25:07

Peak Reading (802.11ac_VHT40, Ch.142, X-H)



Date: 3.JUN.2019 12:25:40

Peak Reading (802.11ac_VHT80, Ch.138, X-H)



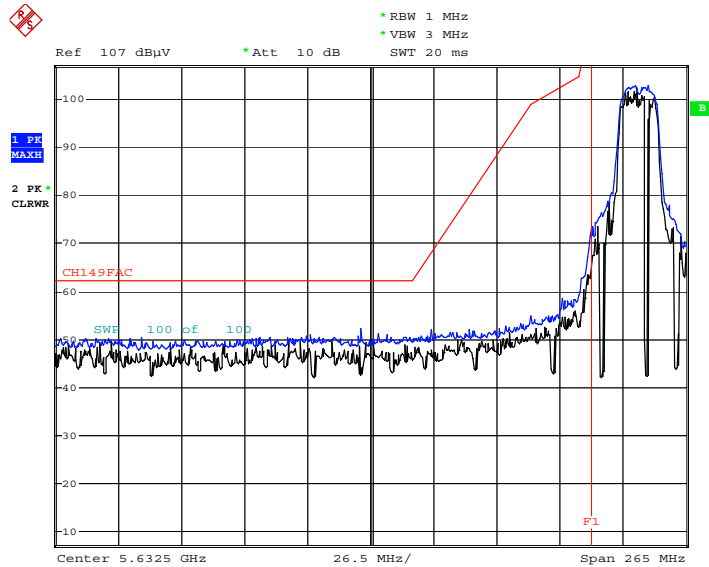
Date: 3.JUN.2019 12:26:22

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)

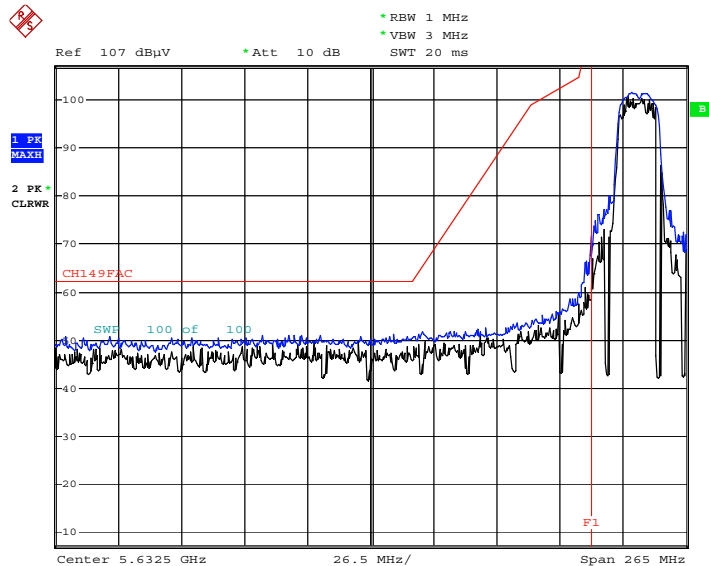
Test Plots(UNII 3)

Peak Reading (802.11a, Ch.149, X-H)



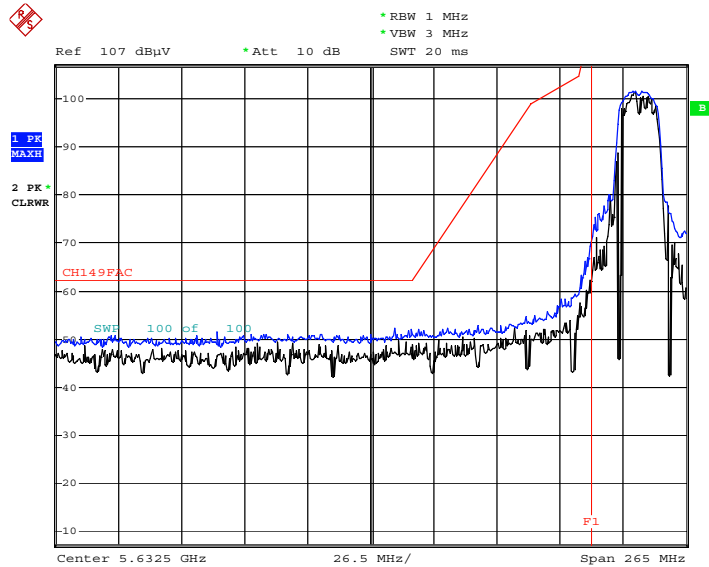
Date: 3.JUN.2019 11:50:23

Peak Reading (802.11n_HT20, Ch.149, X-H)



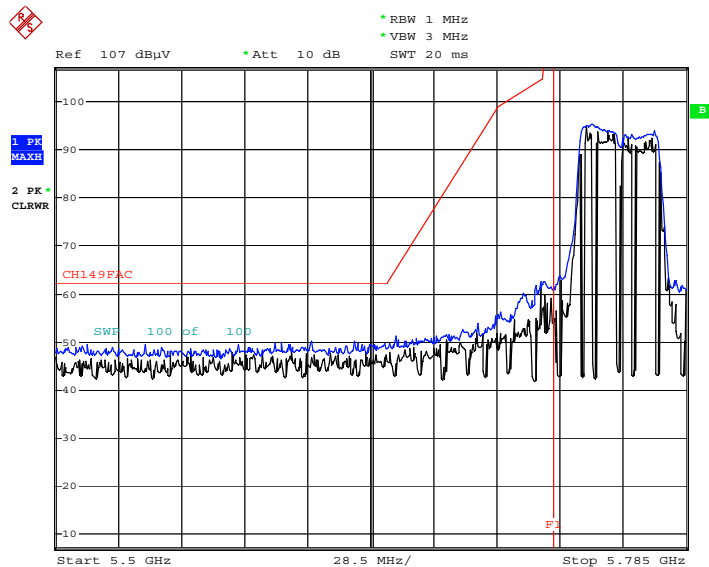
Date: 3.JUN.2019 11:51:06

Peak Reading (802.11ac_VHT20, Ch.149, X-H)



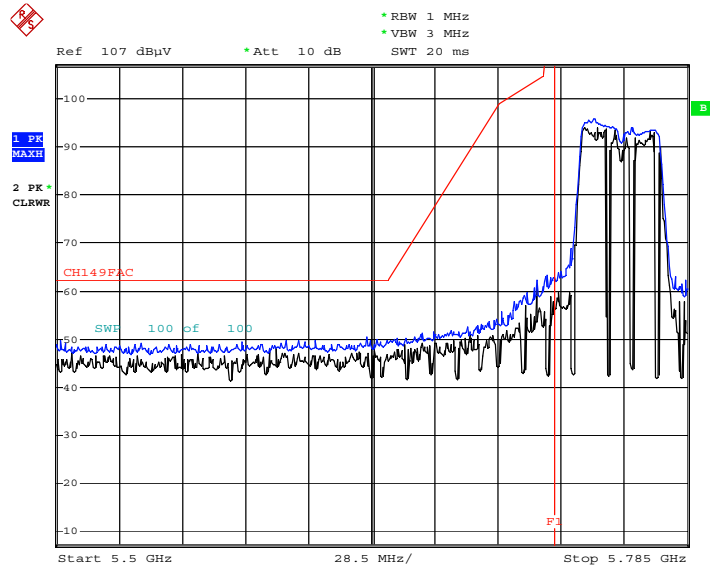
Date: 3.JUN.2019 11:51:52

Peak Reading (802.11n_HT40, Ch.151, X-H)



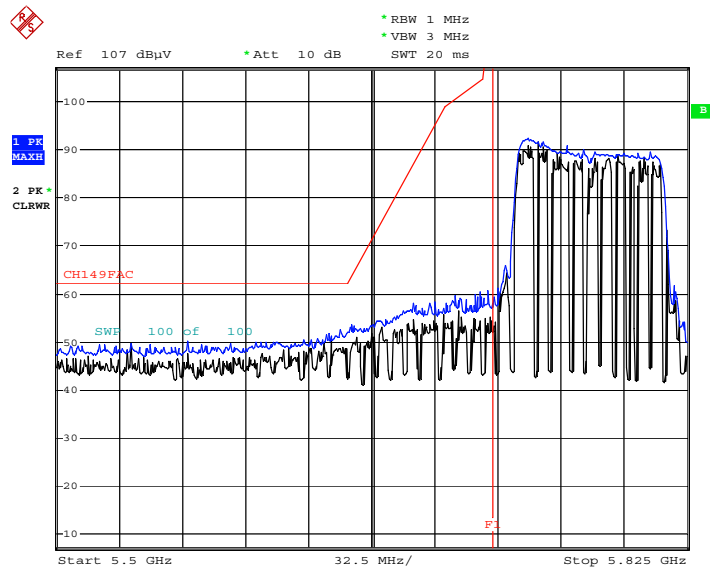
Date: 3.JUN.2019 11:52:44

Peak Reading (802.11ac_VHT40, Ch.151, X-H)



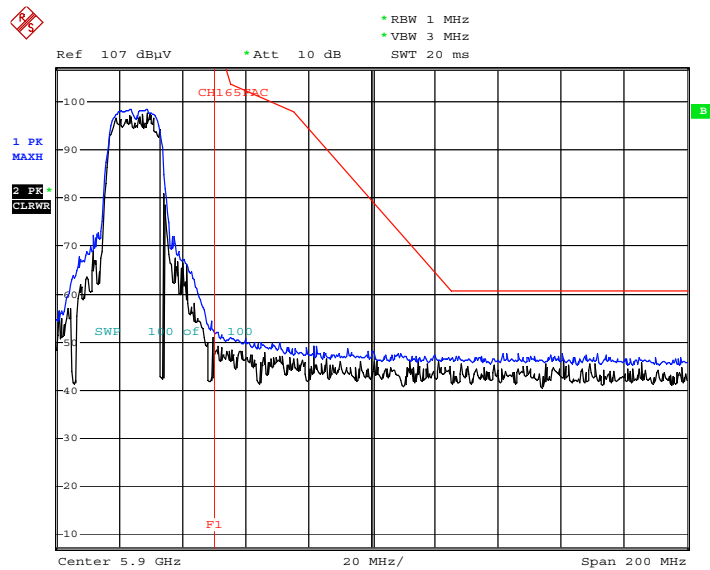
Date: 3.JUN.2019 11:53:25

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



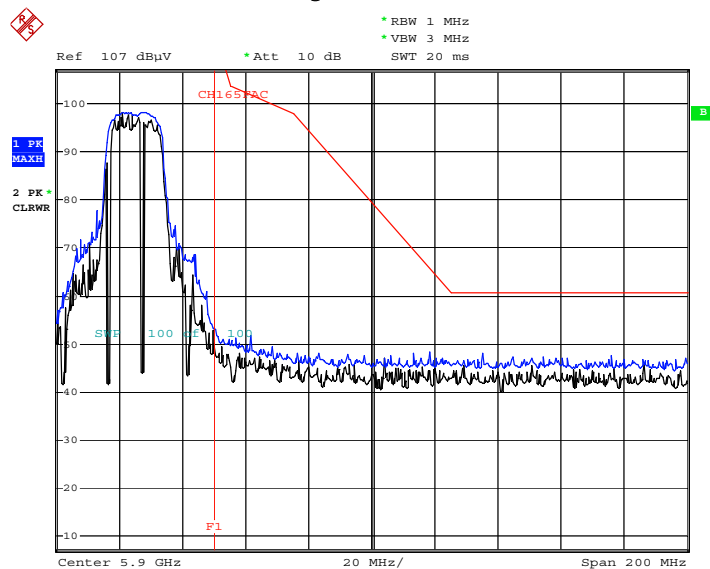
Date: 3.JUN.2019 11:54:10

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



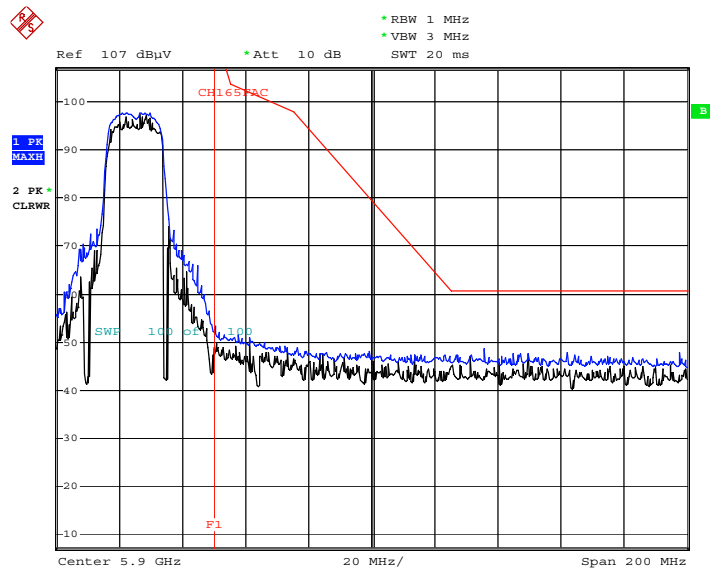
Date: 3.JUN.2019 11:12:23

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



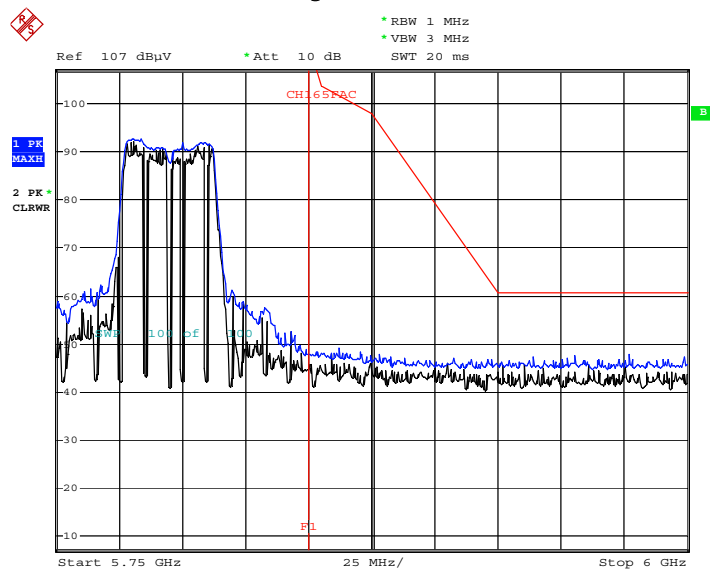
Date: 3.JUN.2019 11:13:33

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



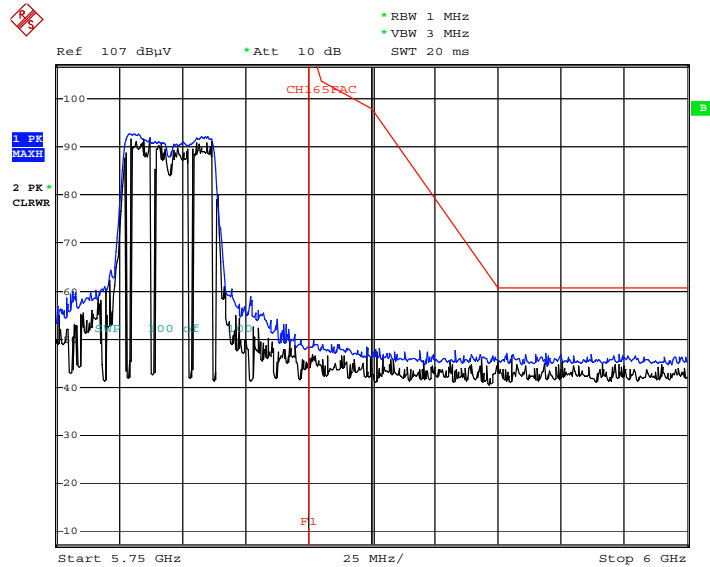
Date: 3.JUN.2019 11:14:11

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



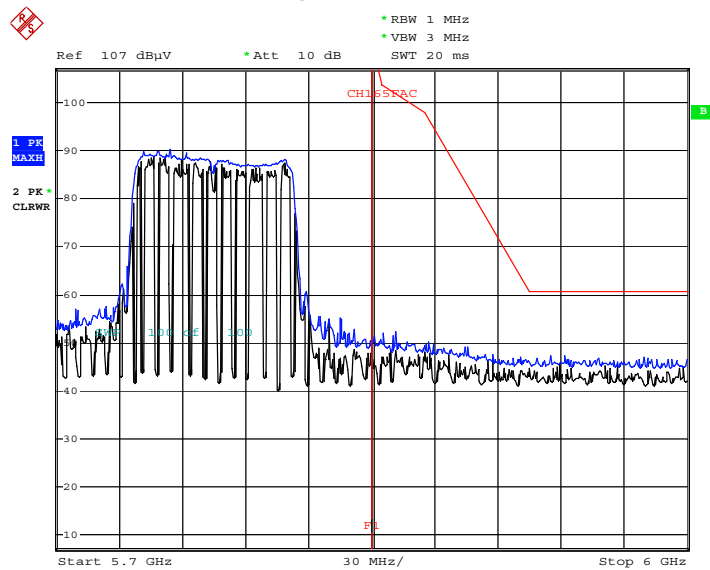
Date: 3.JUN.2019 11:15:04

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



Date: 3.JUN.2019 11:15:42

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



Date: 3.JUN.2019 11:16:36

10.10 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

5G WLAN MODE L1

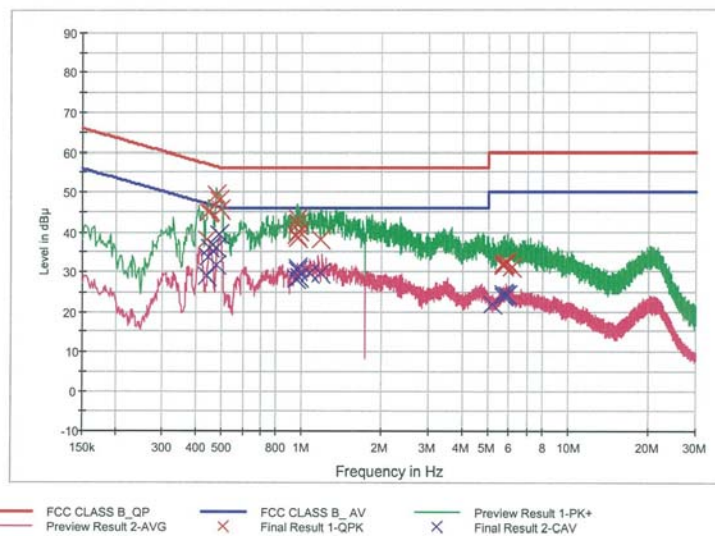
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HCT TEST Report

Common Information

EUT: SM-T517P
 Manufacturer: SAMSUNG
 Test Site: SHIELD ROOM
 Operating Conditions: 5G WLAN MODE L1

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.440000	38.1	9.000	Off	L1	9.7	18.9	57.1
0.446000	44.9	9.000	Off	L1	9.7	12.1	56.9
0.450000	45.4	9.000	Off	L1	9.8	11.5	56.9
0.480000	49.3	9.000	Off	L1	9.8	7.0	56.3
0.488000	48.0	9.000	Off	L1	9.8	8.2	56.2
0.494000	45.4	9.000	Off	L1	9.8	10.7	56.1
0.954000	39.2	9.000	Off	L1	9.8	16.8	56.0
0.958000	43.2	9.000	Off	L1	9.8	12.8	56.0
0.962000	42.0	9.000	Off	L1	9.8	14.0	56.0
0.968000	38.6	9.000	Off	L1	9.8	17.4	56.0
0.972000	40.3	9.000	Off	L1	9.8	15.7	56.0
1.180000	38.2	9.000	Off	L1	9.8	17.8	56.0
5.676000	31.4	9.000	Off	L1	10.1	28.6	60.0
5.682000	31.5	9.000	Off	L1	10.1	28.5	60.0
5.726000	31.9	9.000	Off	L1	10.1	28.1	60.0
5.780000	32.0	9.000	Off	L1	10.1	28.0	60.0
5.882000	32.3	9.000	Off	L1	10.1	27.7	60.0
6.088000	31.1	9.000	Off	L1	10.1	28.9	60.0

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5G WLAN MODE L1

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Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.440000	28.8	9.000	Off	L1	9.7	18.2	47.1
0.446000	33.8	9.000	Off	L1	9.7	13.1	46.9
0.450000	36.2	9.000	Off	L1	9.8	10.7	46.9
0.476000	31.8	9.000	Off	L1	9.8	14.6	46.4
0.480000	36.2	9.000	Off	L1	9.8	10.2	46.3
0.490000	39.4	9.000	Off	L1	9.8	6.8	46.2
0.954000	28.4	9.000	Off	L1	9.8	17.6	46.0
0.958000	30.2	9.000	Off	L1	9.8	15.8	46.0
0.962000	30.9	9.000	Off	L1	9.8	15.1	46.0
0.972000	28.7	9.000	Off	L1	9.8	17.3	46.0
1.070000	29.8	9.000	Off	L1	9.8	16.2	46.0
1.180000	29.7	9.000	Off	L1	9.8	16.3	46.0
5.182000	21.8	9.000	Off	L1	10.0	28.2	50.0
5.676000	24.0	9.000	Off	L1	10.1	26.0	50.0
5.682000	24.0	9.000	Off	L1	10.1	26.0	50.0
5.726000	24.4	9.000	Off	L1	10.1	25.6	50.0
5.780000	24.2	9.000	Off	L1	10.1	25.8	50.0
5.884000	24.4	9.000	Off	L1	10.1	25.6	50.0

2019-05-29

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Conducted Emissions (Line 2)

5G WLAN MODE N

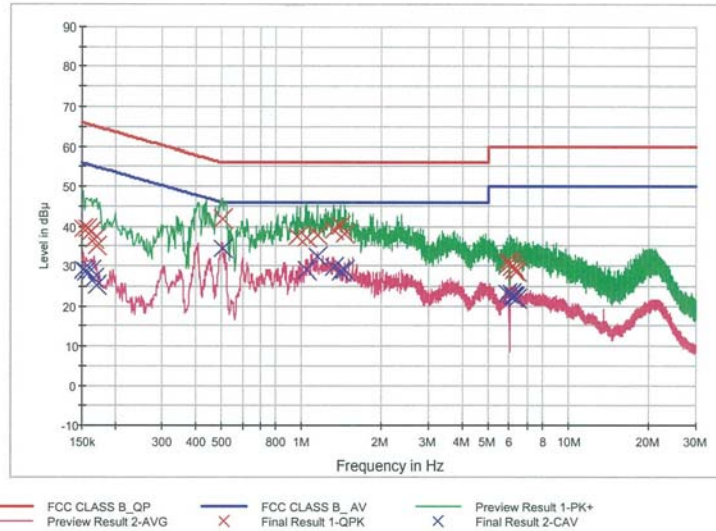
1 / 2

HCT TEST Report

Common Information

EUT: SM-T517P
Manufacturer: SAMSUNG
Test Site: SHIELD ROOM
Operating Conditions: 5G WLAN MODE N

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	39.5	9.000	Off	N	9.8	26.4	65.9
0.158000	39.5	9.000	Off	N	9.8	26.0	65.6
0.162000	38.8	9.000	Off	N	9.8	26.6	65.4
0.166000	36.8	9.000	Off	N	9.8	28.4	65.2
0.170000	35.0	9.000	Off	N	9.8	29.9	65.0
0.506000	41.9	9.000	Off	N	9.9	14.1	56.0
0.960000	37.3	9.000	Off	N	10.0	18.7	56.0
1.040000	37.2	9.000	Off	N	10.0	18.8	56.0
1.144000	37.9	9.000	Off	N	10.0	18.1	56.0
1.314000	39.3	9.000	Off	N	10.0	16.7	56.0
1.396000	40.0	9.000	Off	N	10.1	16.0	56.0
1.450000	38.2	9.000	Off	N	10.1	17.8	56.0
5.916000	31.0	9.000	Off	N	10.3	29.0	60.0
6.078000	30.5	9.000	Off	N	10.3	29.5	60.0
6.106000	29.8	9.000	Off	N	10.3	30.2	60.0
6.180000	29.9	9.000	Off	N	10.3	30.1	60.0
6.246000	29.1	9.000	Off	N	10.3	30.9	60.0
6.386000	28.6	9.000	Off	N	10.3	31.4	60.0

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5G WLAN MODE N

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Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	28.9	9.000	Off	N	9.8	27.0	55.9
0.156000	28.7	9.000	Off	N	9.8	27.0	55.7
0.162000	28.9	9.000	Off	N	9.8	26.5	55.4
0.166000	26.9	9.000	Off	N	9.8	28.3	55.2
0.170000	25.2	9.000	Off	N	9.8	29.8	55.0
0.504000	34.4	9.000	Off	N	9.9	11.6	46.0
1.040000	28.8	9.000	Off	N	10.0	17.2	46.0
1.144000	32.5	9.000	Off	N	10.0	13.5	46.0
1.314000	29.8	9.000	Off	N	10.0	16.2	46.0
1.318000	29.5	9.000	Off	N	10.0	16.5	46.0
1.396000	28.7	9.000	Off	N	10.1	17.3	46.0
1.448000	28.9	9.000	Off	N	10.1	17.1	46.0
5.924000	23.1	9.000	Off	N	10.3	26.9	50.0
6.080000	23.1	9.000	Off	N	10.3	26.9	50.0
6.180000	22.7	9.000	Off	N	10.3	27.3	50.0
6.242000	22.5	9.000	Off	N	10.3	27.5	50.0
6.246000	22.3	9.000	Off	N	10.3	27.7	50.0
6.386000	21.9	9.000	Off	N	10.3	28.1	50.0

2019-05-29

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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	06/27/2018	Annual	100033
ESPAC	SU-642 /Temperature Chamber	03/12/2019	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9020A / Signal Analyzer	05/24/2019	Annual	MY52090906
Agilent	N9030A / Signal Analyzer	01/10/2019	Annual	MY49431210
Rohde & Schwarz	OSP 120 / Power Measurement Set	07/26/2018	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	06/26/2018	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/10/2018	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

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	08/01/2017	Biennial	1151
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/03/2018	Annual	100688
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/28/2018	Annual	101068-SZ
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	06/29/2018	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)	07/17/2018	Annual	08285
CERNEX	CBLU1183540 / Power Amplifier	07/10/2018	Annual	22964
CERNEX	CBL06185030 / Power Amplifier	07/10/2018	Annual	22965
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/29/2018	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/26/2019	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.

12. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-1906-FC035-P