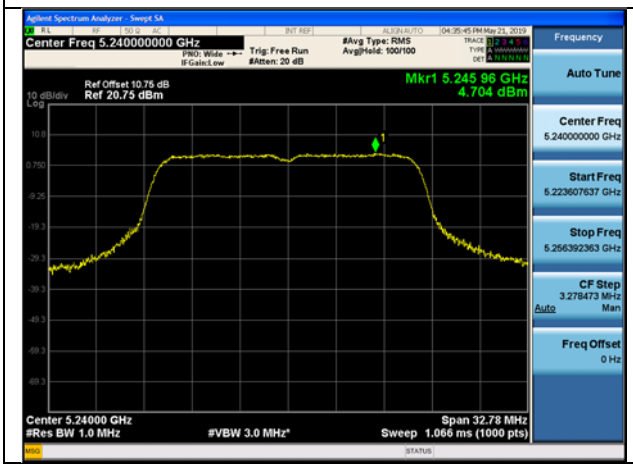
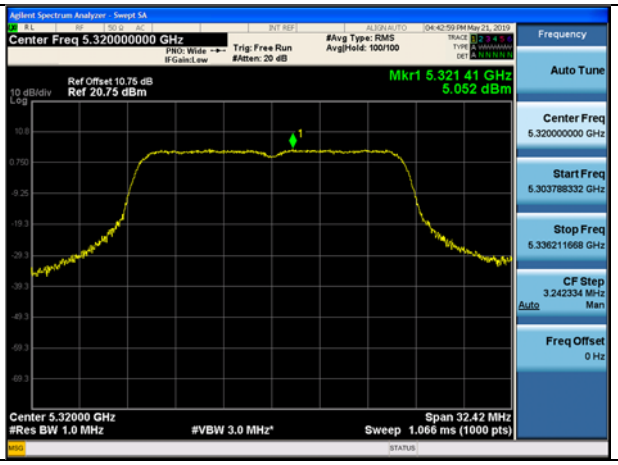
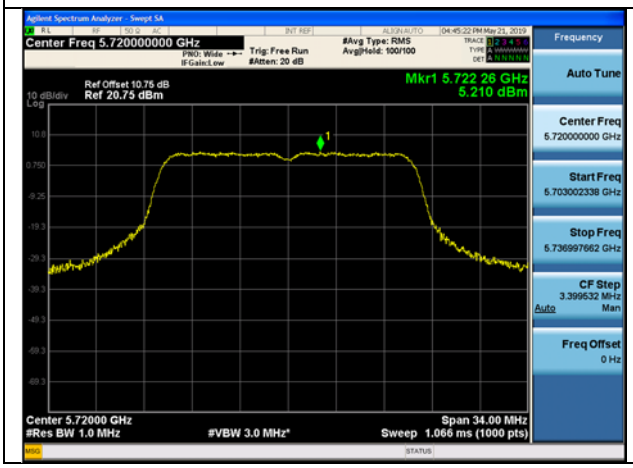
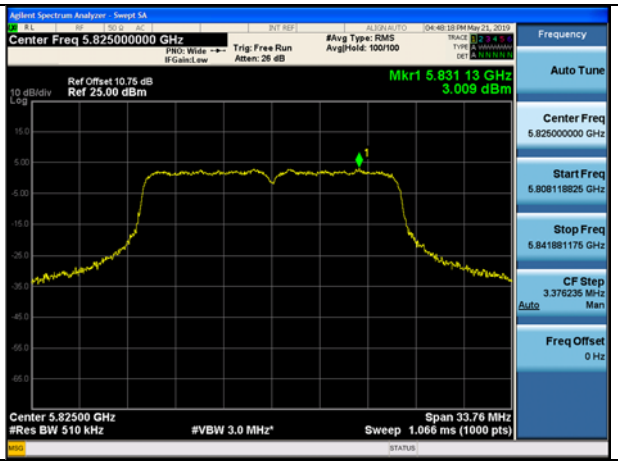
▣ Test Plots(802.11ac(VHT20))

Note:

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

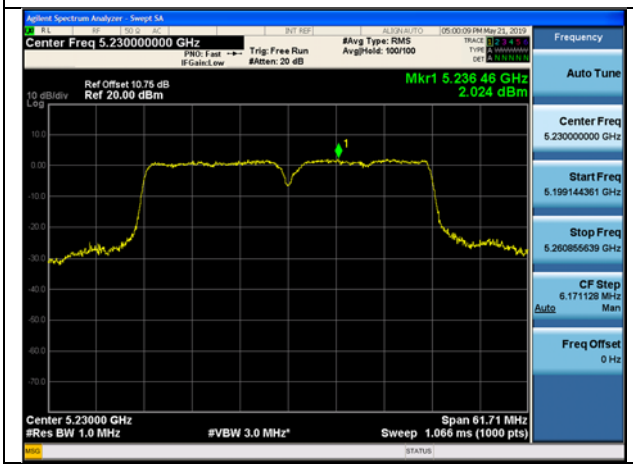
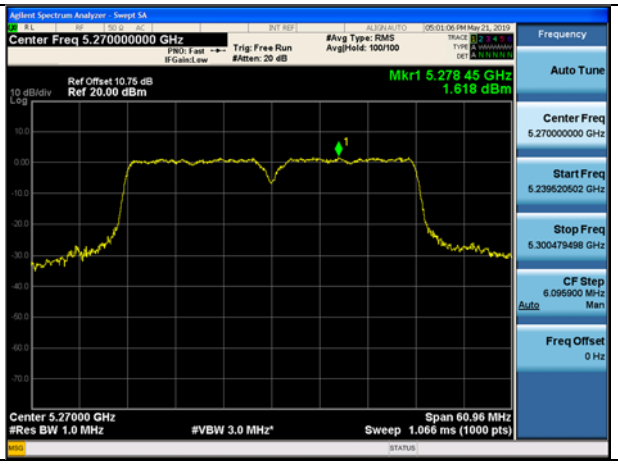
UNII 1 (Ch. 48)	UNII 2A (Ch. 64)
	

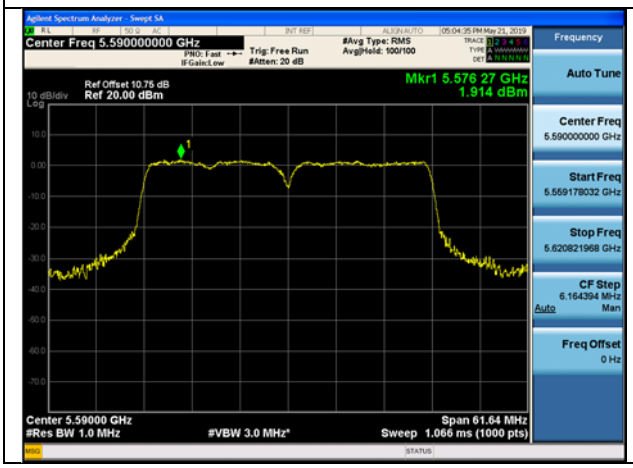
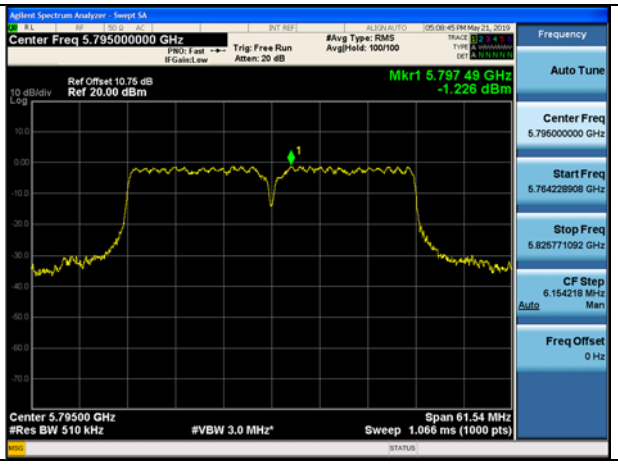
UNII 2C (Ch. 144)	UNII 3 (Ch. 165)
	

▣ Test Plots(802.11ac(VHT40))

Note:

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

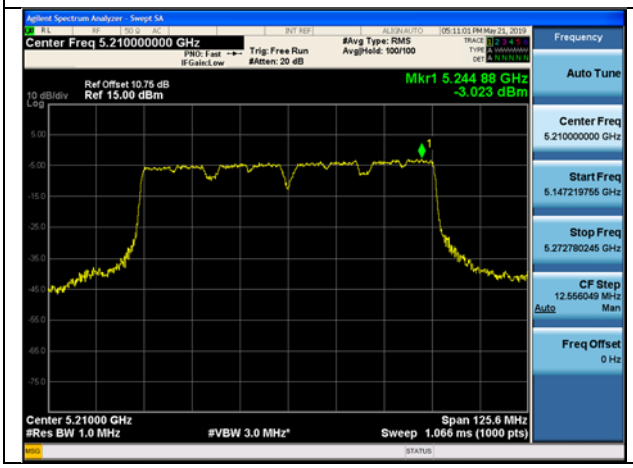
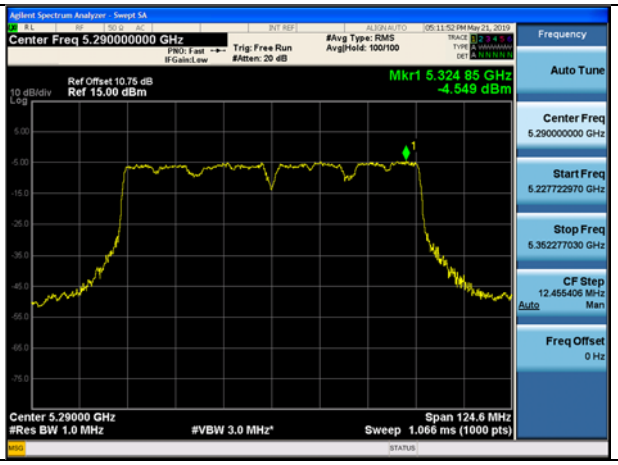
UNII 1 (Ch. 46)	UNII 2A (Ch. 54)
	

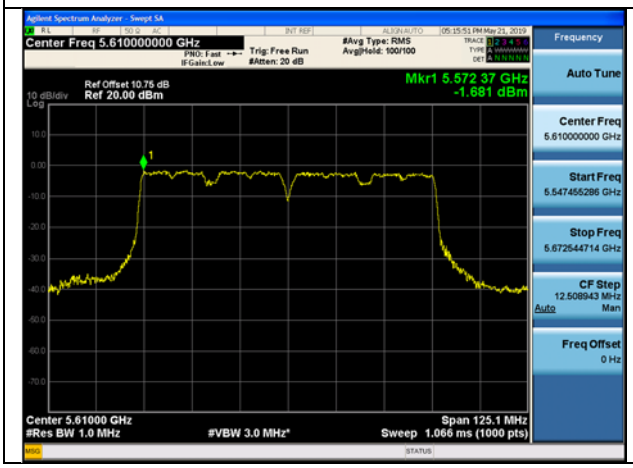
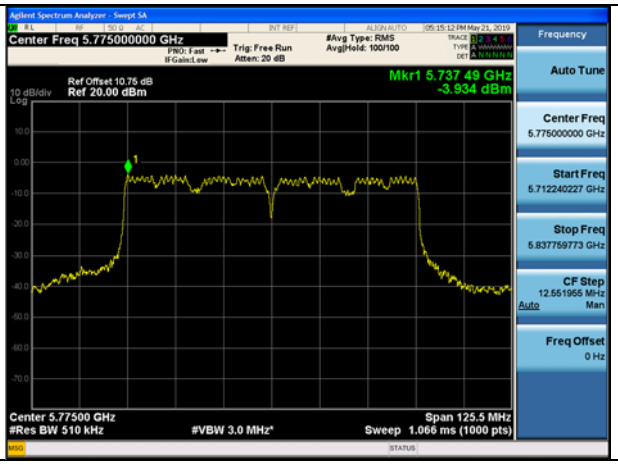
UNII 2C (Ch. 118)	UNII 3 (Ch. 159)
	

▣ Test Plots(802.11ac(VHT80))

Note:

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

UNII 1 (Ch. 42)	UNII 2A (Ch. 58)
	

UNII 2C (Ch. 122)	UNII 3 (Ch. 155)
	

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)	5210016.95	16.95
100%		-30	5210094.73	94.73
100%		-20	5210017.09	17.09
100%		-10	5210037.53	37.53
100%		0	5210043.97	43.97
100%		+10	5210024.63	24.63
100%		+30	5210074.87	74.87
100%		+40	5210045.47	45.47
100%		+50	5210004.74	4.74
End. Point	3.40	+20	5210097.90	97.90

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290025.86	25.86
100%		-30	5290084.74	84.74
100%		-20	5290093.41	93.41
100%		-10	5290092.12	92.12
100%		0	5290074.15	74.15
100%		+10	5290083.86	83.86
100%		+30	5290035.44	35.44
100%		+40	5290040.59	40.59
100%		+50	5290018.02	18.02
End. Point	3.40	+20	5290072.83	72.83

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530032.65	32.65
100%		-30	5530011.84	11.84
100%		-20	5530095.70	95.7
100%		-10	5530081.99	81.99
100%		0	5530047.46	47.46
100%		+10	5530030.07	30.07
100%		+30	5530074.23	74.23
100%		+40	5530027.76	27.76
100%		+50	5530002.57	2.57
End. Point	3.40	+20	5530077.18	77.18

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775071.11	71.11
100%		-30	5775010.78	10.78
100%		-20	5775074.20	74.2
100%		-10	5775098.64	98.64
100%		0	5775080.96	80.96
100%		+10	5775028.34	28.34
100%		+30	5775066.39	66.39
100%		+40	5775012.37	12.37
100%		+50	5775016.68	16.68
End. Point	3.40	+20	5775085.58	85.58

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.

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)	5210053.29	53.29
100%		-30	5210038.41	38.41
100%		-20	5210046.31	46.31
100%		-10	5210083.58	83.58
100%		0	5210034.92	34.92
100%		+10	5210034.85	34.85
100%		+30	5210099.06	99.06
100%		+40	5210058.88	58.88
100%		+50	5210042.57	42.57
End. Point	3.40	+20	5210024.80	24.80

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)	5290076.13	76.13
100%		-30	5290031.02	31.02
100%		-20	5290082.30	82.3
100%		-10	5290037.51	37.51
100%		0	5290057.39	57.39
100%		+10	5290053.61	53.61
100%		+30	5290044.47	44.47
100%		+40	5290016.65	16.65
100%		+50	5290048.44	48.44
End. Point	3.40	+20	5290060.52	60.52

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: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530041.14	41.14
100%		-30	5530021.06	21.06
100%		-20	5530062.05	62.05
100%		-10	5530036.66	36.66
100%		0	5530061.11	61.11
100%		+10	5530013.49	13.49
100%		+30	5530060.74	60.74
100%		+40	5530047.90	47.9
100%		+50	5530023.10	23.10
End. Point	3.40	+20	5530089.36	89.36

Note:

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

OPERATING BAND: UNII Band 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)	5775053.40	53.40
100%		-30	5775065.85	65.85
100%		-20	5775091.30	91.3
100%		-10	5775073.88	73.88
100%		0	5775018.58	18.58
100%		+10	5775092.22	92.22
100%		+30	5775081.14	81.14
100%		+40	5775014.02	14.02
100%		+50	5775019.69	19.69
End. Point	3.40	+20	5775088.53	88.53

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)	5210055.69	55.69
100%		-30	5210002.21	2.21
100%		-20	5210045.35	45.35
100%		-10	5210082.97	82.97
100%		0	5210043.82	43.82
100%		+10	5210006.51	6.51
100%		+30	5210072.45	72.45
100%		+40	5210002.87	2.87
100%		+50	5210008.92	8.92
End. Point	3.40	+20	5210085.82	85.82

Note:

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

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

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290002.09	2.09
100%		-30	5290013.95	13.95
100%		-20	5290080.25	80.25
100%		-10	5290095.23	95.23
100%		0	5290080.89	80.89
100%		+10	5290038.98	38.98
100%		+30	5290078.88	78.88
100%		+40	5290042.38	42.38
100%		+50	5290060.51	60.51
End. Point	3.40	+20	5290049.46	49.46

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.

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)	5530052.55	52.55
100%		-30	5530053.65	53.65
100%		-20	5530022.83	22.83
100%		-10	5530074.08	74.08
100%		0	5530033.15	33.15
100%		+10	5530089.29	89.29
100%		+30	5530097.95	97.95
100%		+40	5530051.42	51.42
100%		+50	5530049.32	49.32
End. Point	3.40	+20	5530053.04	53.04

Note:

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

OPERATING BAND: UNII Band 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)	5775012.04	12.04
100%		-30	5775016.83	16.83
100%		-20	5775064.12	64.12
100%		-10	5775011.94	11.94
100%		0	5775061.33	61.33
100%		+10	5775037.27	37.27
100%		+30	5775009.75	9.75
100%		+40	5775009.90	9.9
100%		+50	5775010.12	10.12
End. Point	3.40	+20	5775050.43	50.43

Note:

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

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)	5210016.99	16.99
100%		-30	5210013.35	13.35
100%		-20	5210009.79	9.79
100%		-10	5210053.52	53.52
100%		0	5210098.33	98.33
100%		+10	5210004.09	4.09
100%		+30	5210031.89	31.89
100%		+40	5210080.70	80.70
100%		+50	5210041.48	41.48
End. Point	3.40	+20	5210034.85	34.85

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 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)	5290012.54	12.54
100%		-30	5290002.48	2.48
100%		-20	5290054.41	54.41
100%		-10	5290054.84	54.84
100%		0	5290039.68	39.68
100%		+10	5290005.14	5.14
100%		+30	5290062.98	62.98
100%		+40	5290077.11	77.11
100%		+50	5290090.18	90.18
End. Point	3.40	+20	5290022.91	22.91

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)	5530060.81	60.81
100%		-30	5530092.70	92.70
100%		-20	5530088.74	88.74
100%		-10	5530045.75	45.75
100%		0	5530004.91	4.91
100%		+10	5530071.54	71.54
100%		+30	5530016.68	16.68
100%		+40	5530018.07	18.07
100%		+50	5530014.40	14.40
End. Point	3.40	+20	5530090.68	90.68

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: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775052.35	52.35
100%		-30	5775026.43	26.43
100%		-20	5775021.62	21.62
100%		-10	5775022.23	22.23
100%		0	5775010.46	10.46
100%		+10	5775032.95	32.95
100%		+30	5775047.69	47.69
100%		+40	5775010.32	10.32
100%		+50	5775080.02	80.02
End. Point	3.40	+20	5775057.45	57.45

Note:

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

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	5709.76	15.24
802.11n(HT20)				5709.44	15.56
802.11ac(VHT20)				5709.36	15.64
802.11a	UNII 3	5720	144	5729.72	4.72
802.11n(HT20)				5730.92	5.92
802.11ac(VHT20)				5730.48	5.48

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	5689.12	35.88
802.11ac(VHT40)				5689.04	35.96
802.11n(HT40)	UNII 3	5710	142	5731.28	6.28
802.11ac(VHT40)				5731.28	6.28

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11ac(VHT80)	UNII 2C	5690	138	5647.28	77.72
	UNII 3	5690	138	5732.12	7.12

Note:

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

[UNII 3C] 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)

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	5728.12	3.12	> 0.5
802.11n(HT20)				5728.84	3.84	> 0.5
802.11ac(VHT20)				5728.85	3.85	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5728.24	3.24	> 0.5
802.11ac(VHT40)				5728.22	3.22	> 0.5

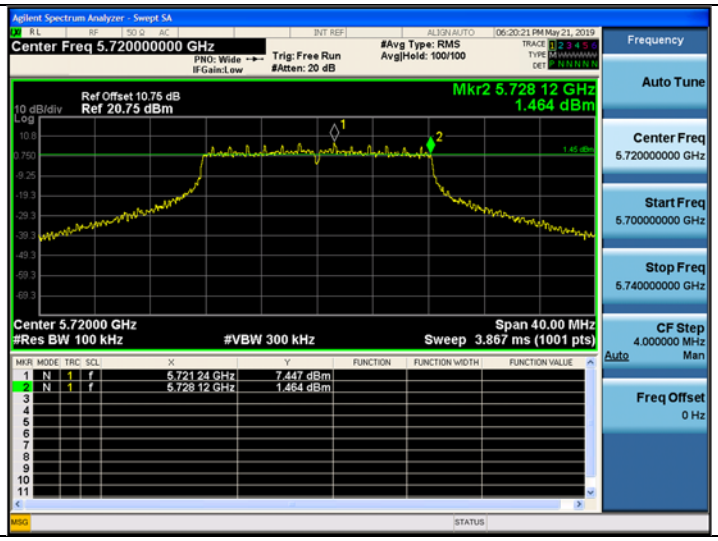
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5728.06	3.06	> 0.5

Note:

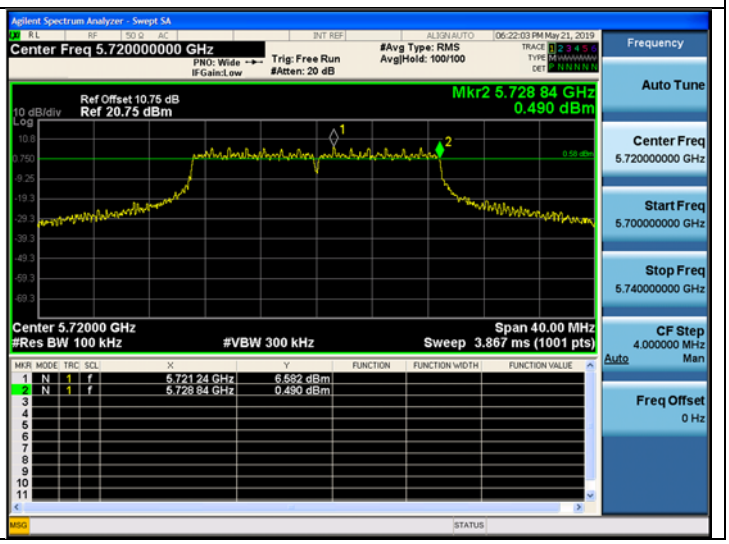
6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

▣ Test Plots(UNII 3 Band 6dB Bandwidth)

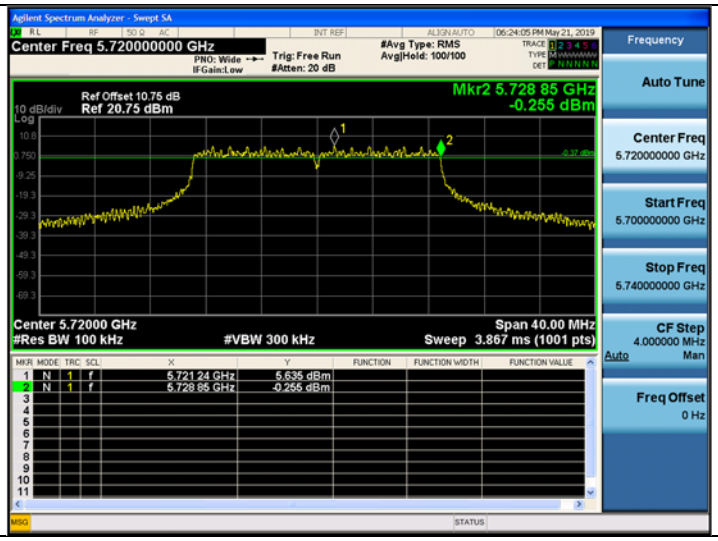
802.11a CH.144



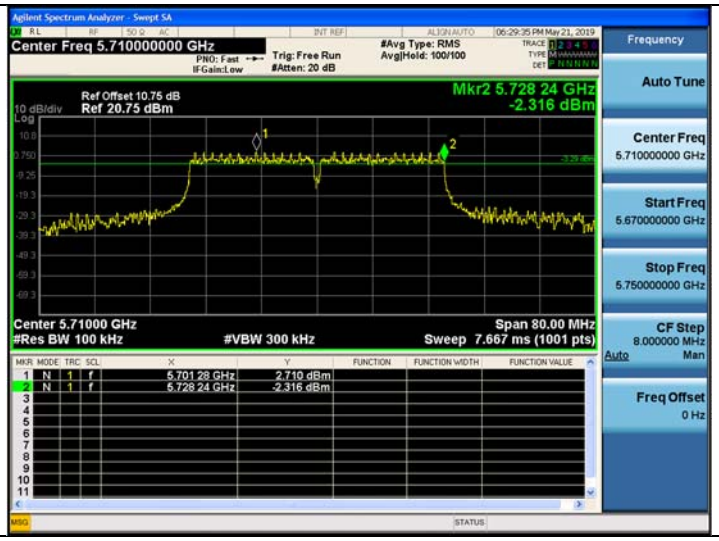
802.11n_HT20 CH.144



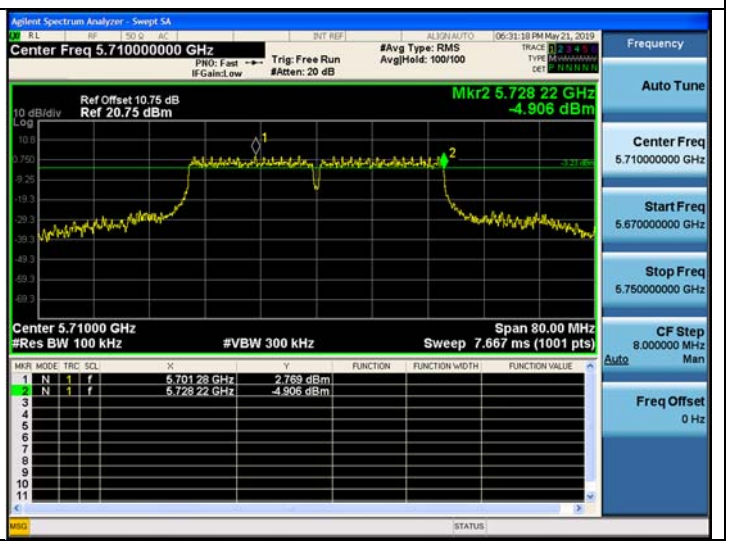
802.11ac_VHT20 CH.144



802.11n_HT40 CH.142



802.11ac_VHT40 CH.142



802.11ac_VHT80 CH.138

10.7.3 Output Power

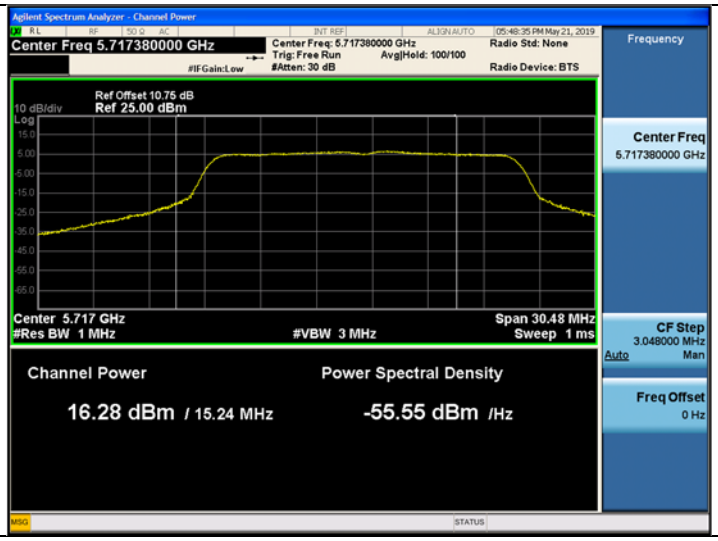
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	16.28	0.315	16.59	22.83
802.11n(HT20)			15.64	0.769	16.41	22.92
802.11ac(VHT20)			15.00	0.761	15.76	22.94
802.11a	5720 (UNII 3 Band)	144	9.39	0.315	9.70	30
802.11n(HT20)			10.01	0.769	10.78	30
802.11ac(VHT20)			9.36	0.761	10.12	30

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	15.07	1.244	16.31	23.98
802.11ac(VHT40)			14.87	1.391	16.26	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	5.00	1.244	6.24	30.00
802.11ac(VHT40)			4.90	1.391	6.29	30.00

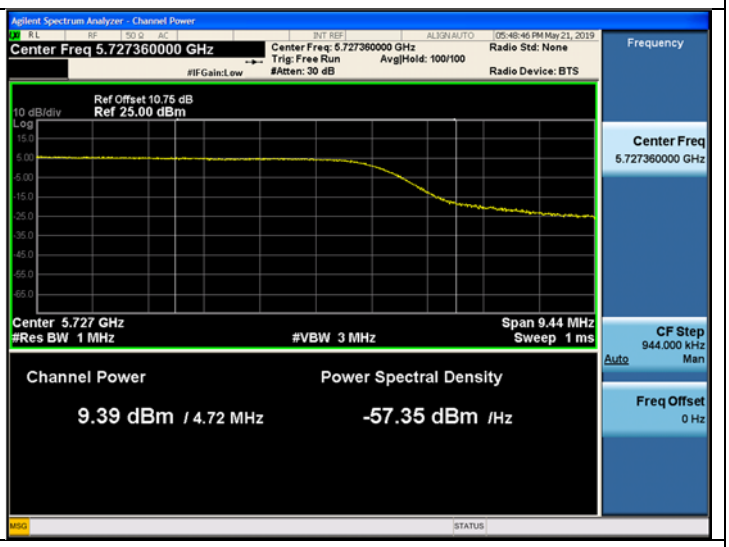
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	14.49	1.938	16.43	23.98
	5690 (UNII 3 Band)	138	1.07	1.938	3.01	30.00

▣ Test Plots

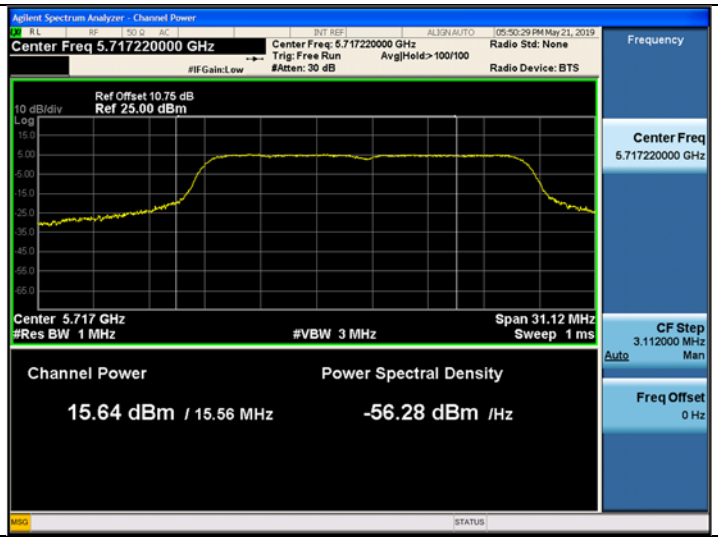
802.11a UNII 2C Band



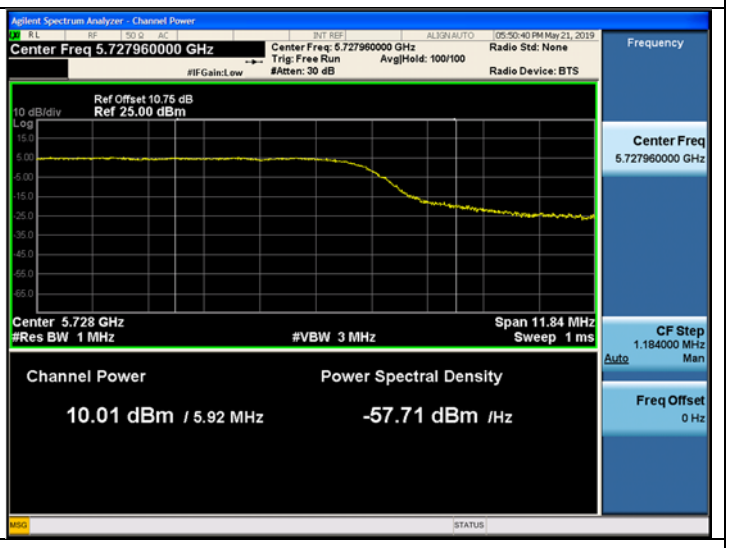
802.11a UNII 3 Band



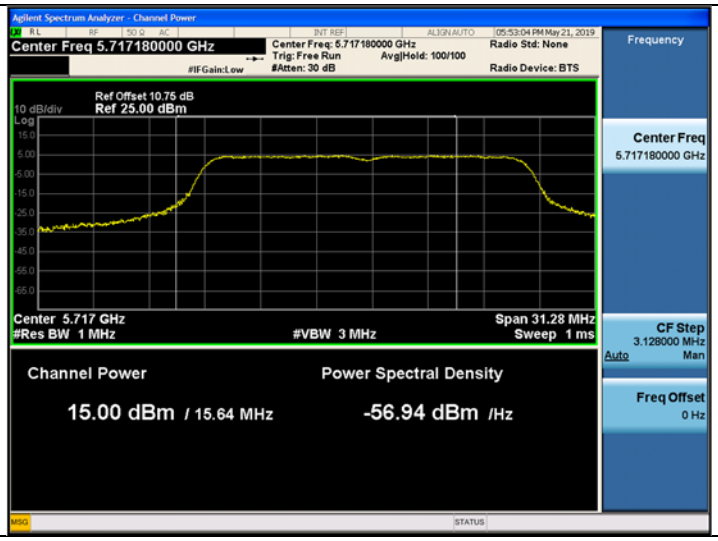
802.11n(HT20) UNII 2C Band



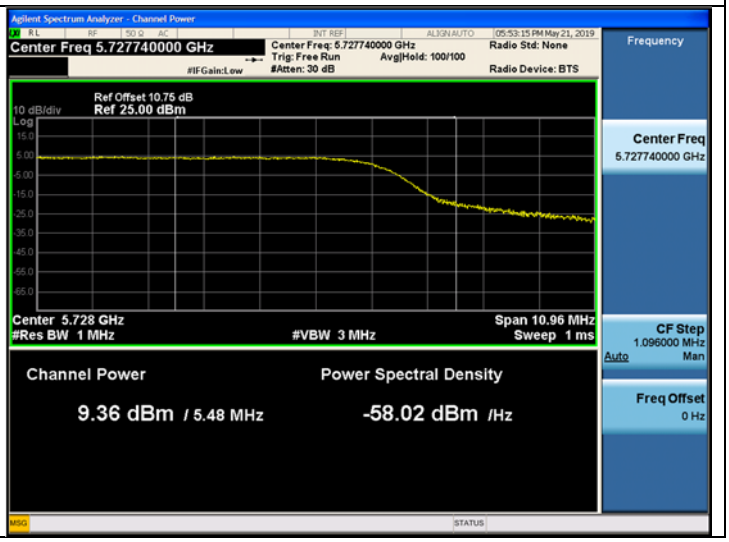
802.11n(HT20) UNII 3 Band



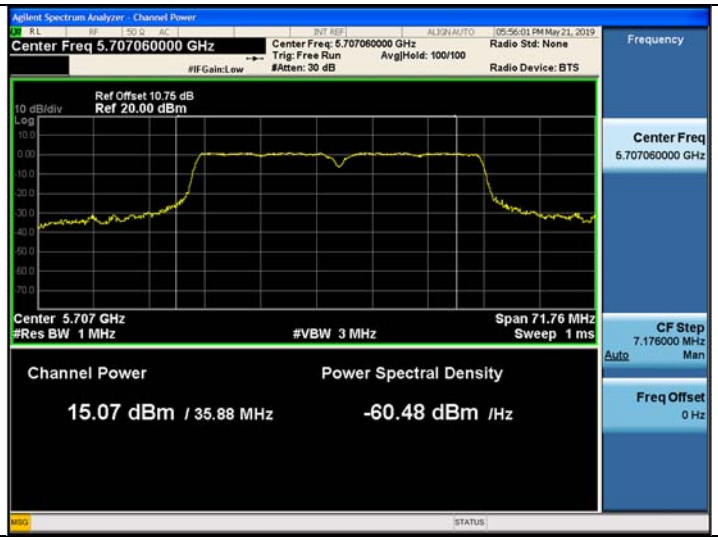
802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band

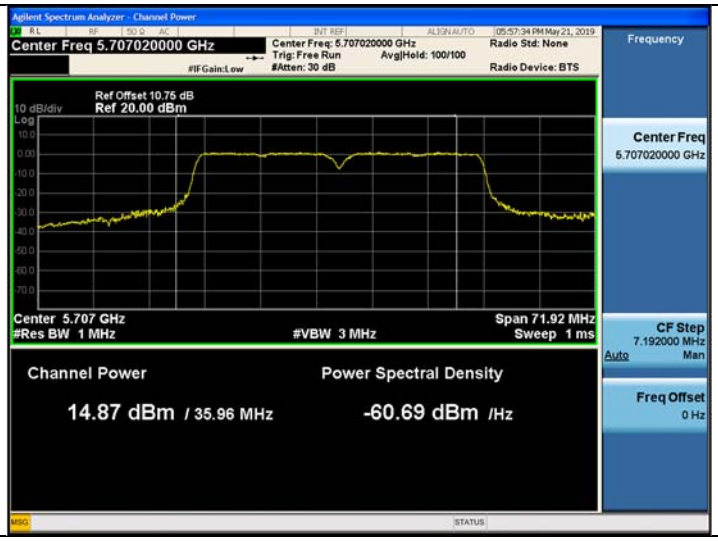


802.11n(HT40) UNII 2C Band

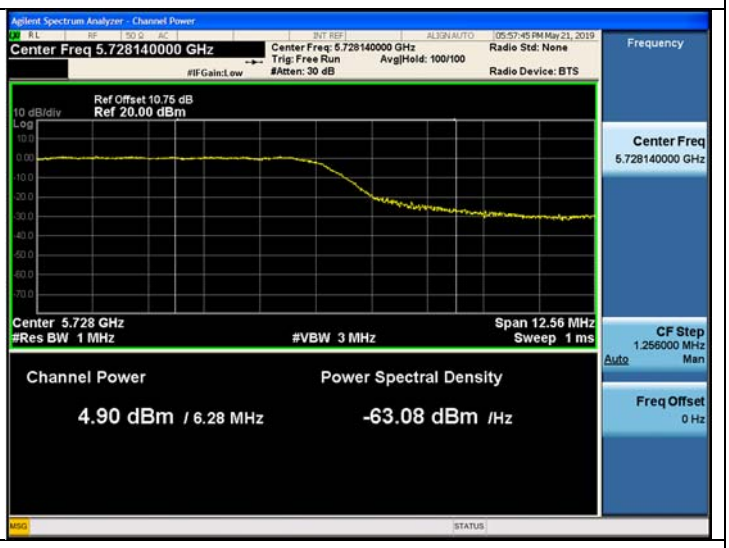


802.11n(HT40) UNII 3 Band

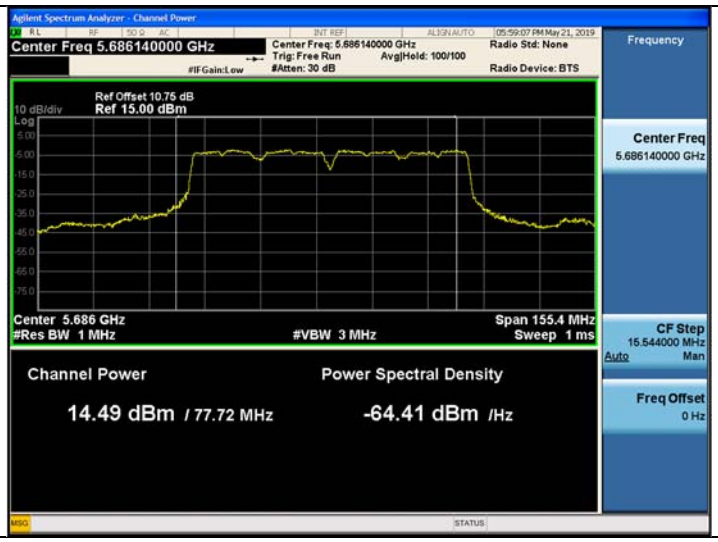
802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band

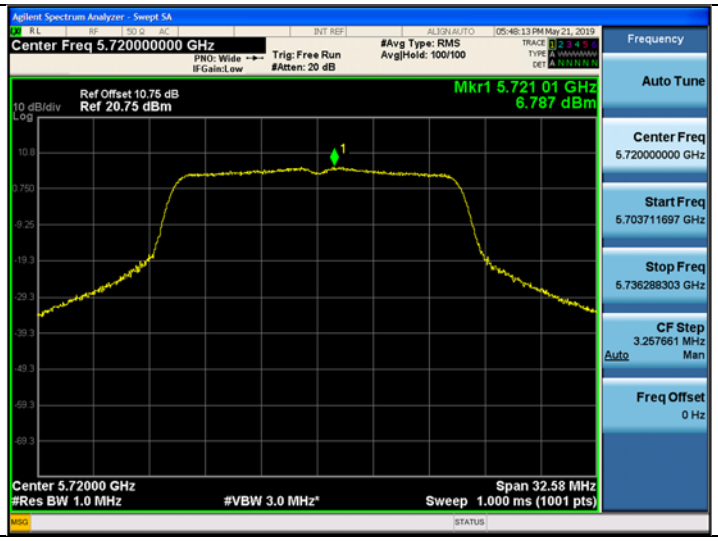
10.7.4 Power Spectral Density

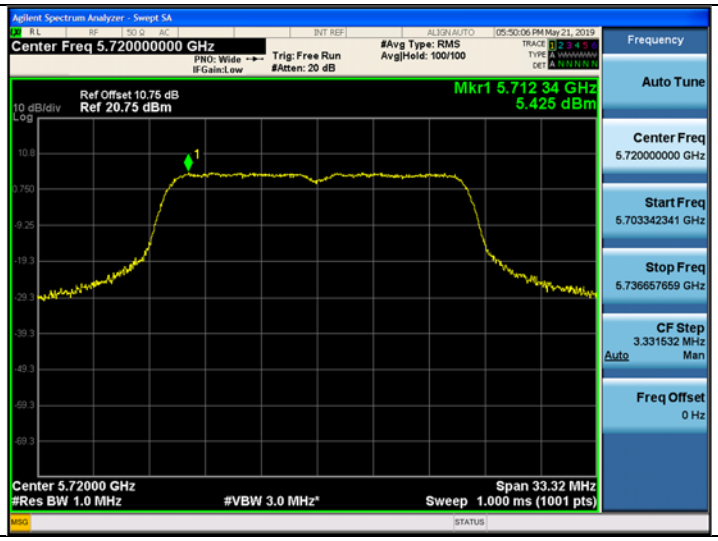
Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	6.787	0.315	7.102	11.00
802.11n(HT20)			5.425	0.769	6.194	11.00
802.11ac(VHT20)			5.023	0.761	5.784	11.00
802.11a	5720 (UNII 3 Band)	144	2.367	0.315	2.682	30.00
802.11n(HT20)			2.727	0.769	3.496	30.00
802.11ac(VHT20)			1.747	0.761	2.508	30.00

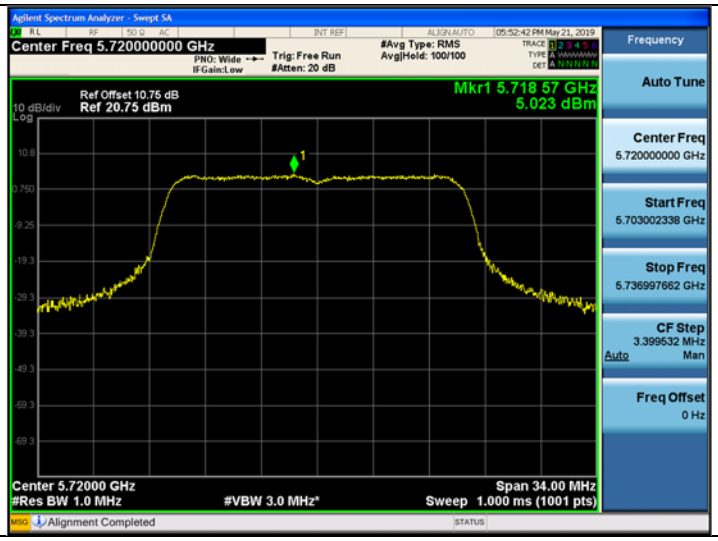
Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	1.443	1.244	2.687	11.00
802.11ac(VHT40)			1.103	1.391	2.494	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-1.627	1.244	-0.383	30.00
802.11ac(VHT40)			-1.453	1.391	-0.062	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	-2.265	1.938	-0.327	11.00
	5690 (UNII 3 Band)	138	-5.033	1.938	-3.095	30.00

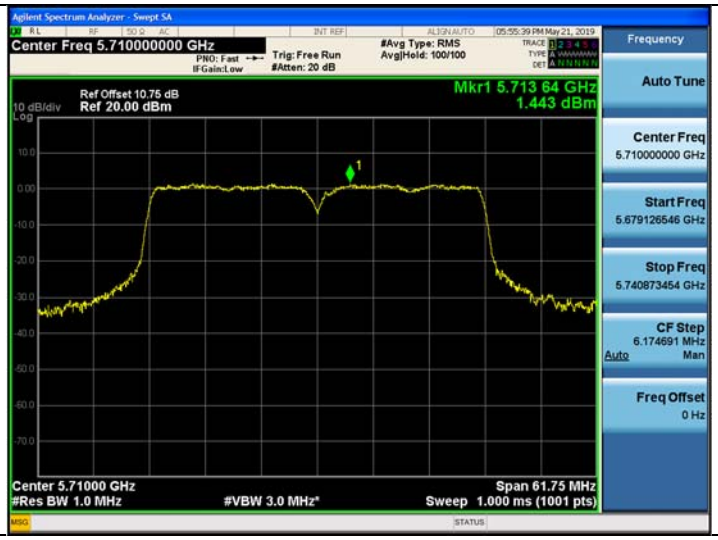
▣ Test Plots

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*log (specific distance / test distance) (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor

Frequency Range : Below 1 GHz

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

Note:

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

Frequency Range : Above 1 GHz

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	67.00	-3.05	V	63.95	68.20	4.25	PK
15540	53.04	-0.54	V	52.50	73.98	21.48	PK
15540	38.95	-0.54	V	38.41	53.98	15.57	AV
10360	66.54	-3.05	H	63.49	68.20	4.71	PK
15540	52.79	-0.54	H	52.25	73.98	21.73	PK
15540	38.85	-0.54	H	38.31	53.98	15.67	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	66.41	-2.37	V	64.04	68.20	4.16	PK
15600	53.43	-1.59	V	51.84	73.98	22.14	PK
15600	39.66	-1.59	V	38.07	53.98	15.91	AV
10400	66.35	-2.37	H	63.98	68.20	4.22	PK
15600	52.78	-1.59	H	51.19	73.98	22.79	PK
15600	39.45	-1.59	H	37.86	53.98	16.12	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	67.14	-3.66	V	63.48	68.20	4.72	PK
15720	55.29	-1.47	V	53.82	73.98	20.16	PK
15720	39.90	-1.47	V	38.43	53.98	15.55	AV
10480	66.74	-3.66	H	63.08	68.20	5.12	PK
15720	54.89	-1.47	H	53.42	73.98	20.56	PK
15720	38.85	-1.47	H	37.38	53.98	16.60	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	66.75	-3.05	V	63.70	68.20	4.50	PK
15540	52.89	-0.54	V	52.35	73.98	21.63	PK
15540	38.66	-0.54	V	38.12	53.98	15.86	AV
10360	66.60	-3.05	H	63.55	68.20	4.65	PK
15540	52.61	-0.54	H	52.07	73.98	21.91	PK
15540	38.42	-0.54	H	37.88	53.98	16.10	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	66.08	-2.37	V	63.71	68.20	4.49	PK
15600	53.02	-1.59	V	51.43	73.98	22.55	PK
15600	39.58	-1.59	V	37.99	53.98	15.99	AV
10400	65.77	-2.37	H	63.40	68.20	4.80	PK
15600	52.11	-1.59	H	50.52	73.98	23.46	PK
15600	39.48	-1.59	H	37.89	53.98	16.09	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	67.32	-3.66	V	63.66	68.20	4.54	PK
15720	53.56	-1.47	V	52.09	73.98	21.89	PK
15720	39.39	-1.47	V	37.92	53.98	16.06	AV
10480	66.99	-3.66	H	63.33	68.20	4.87	PK
15720	52.89	-1.47	H	51.42	73.98	22.56	PK
15720	39.18	-1.47	H	37.71	53.98	16.27	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	66.72	-3.05	V	63.67	68.20	4.53	PK
15540	53.11	-0.54	V	52.57	73.98	21.41	PK
15540	38.77	-0.54	V	38.23	53.98	15.75	AV
10360	66.68	-3.05	H	63.63	68.20	4.57	PK
15540	52.89	-0.54	H	52.35	73.98	21.63	PK
15540	38.65	-0.54	H	38.11	53.98	15.87	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	66.08	-2.37	V	63.71	68.20	4.49	PK
15600	52.78	-1.59	V	51.19	73.98	22.79	PK
15600	39.51	-1.59	V	37.92	53.98	16.06	AV
10400	65.74	-2.37	H	63.37	68.20	4.83	PK
15600	52.65	-1.59	H	51.06	73.98	22.92	PK
15600	39.48	-1.59	H	37.89	53.98	16.09	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	67.29	-3.66	V	63.63	68.20	4.57	PK
15720	53.18	-1.47	V	51.71	73.98	22.27	PK
15720	39.48	-1.47	V	38.01	53.98	15.97	AV
10480	66.89	-3.66	H	63.23	68.20	4.97	PK
15720	52.88	-1.47	H	51.41	73.98	22.57	PK
15720	39.32	-1.47	H	37.85	53.98	16.13	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	62.31	-2.77	V	59.54	68.20	8.66	PK
15570	52.48	-1.81	V	50.67	73.98	23.31	PK
15570	39.51	-1.81	V	37.70	53.98	16.28	AV
10380	62.25	-2.77	H	59.48	68.20	8.72	PK
15570	52.08	-1.81	H	50.27	73.98	23.71	PK
15570	39.45	-1.81	H	37.64	53.98	16.34	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	63.94	-3.46	V	60.48	68.20	7.72	PK
15690	53.17	-1.19	V	51.98	73.98	22.00	PK
15690	40.52	-1.19	V	39.33	53.98	14.65	AV
10460	63.08	-3.46	H	59.62	68.20	8.58	PK
15690	52.77	-1.19	H	51.58	73.98	22.40	PK
15690	40.35	-1.19	H	39.16	53.98	14.82	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	62.98	-2.77	V	60.21	68.20	7.99	PK
15570	52.60	-1.81	V	50.79	73.98	23.19	PK
15570	39.55	-1.81	V	37.74	53.98	16.24	AV
10380	62.64	-2.77	H	59.87	68.20	8.33	PK
15570	51.85	-1.81	H	50.04	73.98	23.94	PK
15570	36.32	-1.81	H	34.51	53.98	19.47	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	64.28	-3.46	V	60.82	68.20	7.38	PK
15690	52.53	-1.19	V	51.34	73.98	22.64	PK
15690	40.15	-1.19	V	38.96	53.98	15.02	AV
10460	63.75	-3.46	H	60.29	68.20	7.91	PK
15690	51.78	-1.19	H	50.59	73.98	23.39	PK
15690	39.91	-1.19	H	38.72	53.98	15.26	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	55.71	-3.07	V	52.64	68.20	15.56	PK
15630	52.20	-2.10	V	50.10	73.98	23.88	PK
15630	40.56	-2.10	V	38.46	53.98	15.52	AV
10420	55.46	-3.07	H	52.39	68.20	15.81	PK
15630	51.78	-2.10	H	49.68	73.98	24.30	PK
15630	40.38	-2.10	H	38.28	53.98	15.70	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	67.63	-3.56	V	64.07	68.20	4.13	PK
15780	55.79	-1.55	V	54.24	73.98	19.74	PK
15780	40.70	-1.55	V	39.15	53.98	14.83	AV
10520	67.12	-3.56	H	63.56	68.20	4.64	PK
15780	53.53	-1.55	H	51.98	73.98	22.00	PK
15780	40.13	-1.55	H	38.58	53.98	15.40	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	65.44	-3.25	V	62.19	73.98	11.79	PK
10600	50.95	-3.25	V	47.70	53.98	6.28	AV
15900	57.05	-2.45	V	54.60	73.98	19.38	PK
15900	41.49	-2.45	V	39.04	53.98	14.94	AV
10600	65.12	-3.25	H	61.87	73.98	12.11	PK
10600	50.76	-3.25	H	47.51	53.98	6.47	AV
15900	56.74	-2.45	H	54.29	73.98	19.69	PK
15900	41.08	-2.45	H	38.63	53.98	15.35	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	63.28	-3.24	V	60.04	73.98	13.94	PK
10640	48.31	-3.24	V	45.07	53.98	8.91	AV
15960	57.44	-2.12	V	55.32	73.98	18.66	PK
15960	42.00	-2.12	V	39.88	53.98	14.10	AV
10640	62.88	-3.24	H	59.64	73.98	14.34	PK
10640	48.07	-3.24	H	44.83	53.98	9.15	AV
15960	57.12	-2.12	H	55.00	73.98	18.98	PK
15960	41.85	-2.12	H	39.73	53.98	14.25	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	66.47	-3.56	V	62.91	68.20	5.29	PK
15780	54.26	-1.55	V	52.71	73.98	21.27	PK
15780	39.78	-1.55	V	38.23	53.98	15.75	AV
10520	65.99	-3.56	H	62.43	68.20	5.77	PK
15780	53.89	-1.55	H	52.34	73.98	21.64	PK
15780	39.70	-1.55	H	38.15	53.98	15.83	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	66.14	-3.25	V	62.89	73.98	11.09	PK
10600	50.53	-3.25	V	47.28	53.98	6.70	AV
15900	57.99	-2.45	V	55.54	73.98	18.44	PK
15900	41.34	-2.45	V	38.89	53.98	15.09	AV
10600	65.78	-3.25	H	62.53	73.98	11.45	PK
10600	49.84	-3.25	H	46.59	53.98	7.39	AV
15900	57.54	-2.45	H	55.09	73.98	18.89	PK
15900	41.21	-2.45	H	38.76	53.98	15.22	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	63.78	-3.24	V	60.54	73.98	13.44	PK
10640	47.87	-3.24	V	44.63	53.98	9.35	AV
15960	59.50	-2.12	V	57.38	73.98	16.60	PK
15960	41.54	-2.12	V	39.42	53.98	14.56	AV
10640	63.55	-3.24	H	60.31	73.98	13.67	PK
10640	47.50	-3.24	H	44.26	53.98	9.72	AV
15960	59.25	-2.12	H	57.13	73.98	16.85	PK
15960	41.28	-2.12	H	39.16	53.98	14.82	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	66.51	-3.56	V	62.95	68.20	5.25	PK
15780	54.70	-1.55	V	53.15	73.98	20.83	PK
15780	39.84	-1.55	V	38.29	53.98	15.69	AV
10520	66.35	-3.56	H	62.79	68.20	5.41	PK
15780	54.12	-1.55	H	52.57	73.98	21.41	PK
15780	39.74	-1.55	H	38.19	53.98	15.79	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	65.88	-3.25	V	62.63	73.98	11.35	PK
10600	50.12	-3.25	V	46.87	53.98	7.11	AV
15900	54.28	-2.45	V	51.83	73.98	22.15	PK
15900	39.25	-2.45	V	36.80	53.98	17.18	AV
10600	65.75	-3.25	H	62.50	73.98	11.48	PK
10600	50.01	-3.25	H	46.76	53.98	7.22	AV
15900	53.66	-2.45	H	51.21	73.98	22.77	PK
15900	39.08	-2.45	H	36.63	53.98	17.35	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	61.52	-3.24	V	58.28	73.98	15.70	PK
10640	45.54	-3.24	V	42.30	53.98	11.68	AV
15960	55.95	-2.12	V	53.83	73.98	20.15	PK
15960	39.42	-2.12	V	37.30	53.98	16.68	AV
10640	60.89	-3.24	H	57.65	73.98	16.33	PK
10640	45.40	-3.24	H	42.16	53.98	11.82	AV
15960	54.85	-2.12	H	52.73	73.98	21.25	PK
15960	39.33	-2.12	H	37.21	53.98	16.77	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	62.13	-3.12	V	59.01	68.20	9.19	PK
15810	52.07	-2.01	V	50.06	73.98	23.92	PK
15810	39.80	-2.01	V	37.79	53.98	16.19	AV
10540	61.77	-3.12	H	58.65	68.20	9.55	PK
15810	51.65	-2.01	H	49.64	73.98	24.34	PK
15810	39.71	-2.01	H	37.70	53.98	16.28	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	56.31	-3.41	V	52.90	73.98	21.08	PK
10620	44.09	-3.41	V	40.68	53.98	13.30	AV
15930	51.51	-2.67	V	48.84	73.98	25.14	PK
15930	38.74	-2.67	V	36.07	53.98	17.91	AV
10620	55.89	-3.41	H	52.48	73.98	21.50	PK
10620	43.85	-3.41	H	40.44	53.98	13.54	AV
15930	51.08	-2.67	H	48.41	73.98	25.57	PK
15930	38.35	-2.67	H	35.68	53.98	18.30	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	61.24	-3.12	V	58.12	68.20	10.08	PK
15810	53.61	-2.01	V	51.60	73.98	22.38	PK
15810	39.91	-2.01	V	37.90	53.98	16.08	AV
10540	60.84	-3.12	H	57.72	68.20	10.48	PK
15810	53.18	-2.01	H	51.17	73.98	22.81	PK
15810	39.80	-2.01	H	37.79	53.98	16.19	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	56.17	-3.41	V	52.76	73.98	21.22	PK
10620	44.01	-3.41	V	40.60	53.98	13.38	AV
15930	51.87	-2.67	V	49.20	73.98	24.78	PK
15930	38.95	-2.67	V	36.28	53.98	17.70	AV
10620	55.68	-3.41	H	52.27	73.98	21.71	PK
10620	43.89	-3.41	H	40.48	53.98	13.50	AV
15930	51.65	-2.67	H	48.98	73.98	25.00	PK
15930	38.77	-2.67	H	36.10	53.98	17.88	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	53.57	-3.18	V	50.39	68.20	17.81	PK
15870	51.37	-2.72	V	48.65	73.98	25.33	PK
15870	40.50	-2.72	V	37.78	53.98	16.20	AV
10580	52.97	-3.18	H	49.79	68.20	18.41	PK
15870	51.16	-2.72	H	48.44	73.98	25.54	PK
15870	40.30	-2.72	H	37.58	53.98	16.40	AV

Band : UNII 2C

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5500 MHz

Channel No. 100 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	56.51	-2.21	V	54.30	73.98	19.68	PK
11000	42.03	-2.21	V	39.82	53.98	14.16	AV
16500	51.89	-0.52	V	51.37	68.20	16.83	PK
11000	56.35	-2.21	H	54.14	73.98	19.84	PK
11000	41.89	-2.21	H	39.68	53.98	14.30	AV
16500	51.63	-0.52	H	51.11	68.20	17.09	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	59.78	-2.34	V	57.44	73.98	16.54	PK
11200	45.33	-2.34	V	42.99	53.98	10.99	AV
16800	53.23	1.04	V	54.27	68.20	13.93	PK
11200	58.93	-2.34	H	56.59	73.98	17.39	PK
11200	44.93	-2.34	H	42.59	53.98	11.39	AV
16800	52.89	1.04	H	53.93	68.20	14.27	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	52.75	-1.98	V	50.77	73.98	23.21	PK
11440	39.49	-1.98	V	37.51	53.98	16.47	AV
17160	55.69	2.38	V	58.07	68.20	10.13	PK
11440	54.38	-1.98	H	52.40	73.98	21.58	PK
11440	41.29	-1.98	H	39.31	53.98	14.67	AV
17160	54.70	2.38	H	57.08	68.20	11.12	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	57.00	-2.21	V	54.79	73.98	19.19	PK
11000	41.61	-2.21	V	39.40	53.98	14.58	AV
16500	51.48	-0.52	V	50.96	68.20	17.24	PK
11000	56.80	-2.21	H	54.59	73.98	19.39	PK
11000	41.55	-2.21	H	39.34	53.98	14.64	AV
16500	51.11	-0.52	H	50.59	68.20	17.61	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	59.89	-2.34	V	57.55	73.98	16.43	PK
11200	44.72	-2.34	V	42.38	53.98	11.60	AV
16800	53.18	1.04	V	54.22	68.20	13.98	PK
11200	58.58	-2.34	H	56.24	73.98	17.74	PK
11200	44.60	-2.34	H	42.26	53.98	11.72	AV
16800	53.02	1.04	H	54.06	68.20	14.14	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	54.80	-1.98	V	52.82	73.98	21.16	PK
11440	41.14	-1.98	V	39.16	53.98	14.82	AV
17160	55.34	2.38	V	57.72	68.20	10.48	PK
11440	53.70	-1.98	H	51.72	73.98	22.26	PK
11440	41.08	-1.98	H	39.10	53.98	14.88	AV
17160	55.28	2.38	H	57.66	68.20	10.54	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	55.77	-2.21	V	53.56	73.98	20.42	PK
11000	40.77	-2.21	V	38.56	53.98	15.42	AV
16500	52.10	-0.52	V	51.58	68.20	16.62	PK
11000	55.35	-2.21	H	53.14	73.98	20.84	PK
11000	40.65	-2.21	H	38.44	53.98	15.54	AV
16500	51.95	-0.52	H	51.43	68.20	16.77	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	58.76	-2.34	V	56.42	73.98	17.56	PK
11200	43.44	-2.34	V	41.10	53.98	12.88	AV
16800	53.10	1.04	V	54.14	68.20	14.06	PK
11200	58.05	-2.34	H	55.71	73.98	18.27	PK
11200	43.28	-2.34	H	40.94	53.98	13.04	AV
16800	52.84	1.04	H	53.88	68.20	14.32	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	54.40	-1.98	V	52.42	73.98	21.56	PK
11440	40.68	-1.98	V	38.70	53.98	15.28	AV
17160	54.95	2.38	V	57.33	68.20	10.87	PK
11440	53.85	-1.98	H	51.87	73.98	22.11	PK
11440	40.55	-1.98	H	38.57	53.98	15.41	AV
17160	54.83	2.38	H	57.21	68.20	10.99	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	53.97	-2.01	V	51.96	73.98	22.02	PK
11020	40.54	-2.01	V	38.53	53.98	15.45	AV
16530	51.10	-0.95	V	50.15	68.20	18.05	PK
11020	53.46	-2.01	H	51.45	73.98	22.53	PK
11020	40.35	-2.01	H	38.34	53.98	15.64	AV
16530	50.76	-0.95	H	49.81	68.20	18.39	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	56.73	-1.85	V	54.88	73.98	19.10	PK
11180	43.60	-1.85	V	41.75	53.98	12.23	AV
16770	52.75	-0.91	V	51.84	68.20	16.36	PK
11180	55.65	-1.85	H	53.80	73.98	20.18	PK
11180	43.32	-1.85	H	41.47	53.98	12.51	AV
16770	52.99	-0.91	H	52.08	68.20	16.12	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	52.71	-1.92	V	50.79	73.98	23.19	PK
11420	39.72	-1.92	V	37.80	53.98	16.18	AV
17130	54.15	2.04	V	56.19	68.20	12.01	PK
11420	52.50	-1.92	H	50.58	73.98	23.40	PK
11420	39.65	-1.92	H	37.73	53.98	16.25	AV
17130	53.71	2.04	H	55.75	68.20	12.45	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	53.73	-2.01	V	51.72	73.98	22.26	PK
11020	40.49	-2.01	V	38.48	53.98	15.50	AV
16530	51.45	-0.95	V	50.50	68.20	17.70	PK
11020	52.82	-2.01	H	50.81	73.98	23.17	PK
11020	40.30	-2.01	H	38.29	53.98	15.69	AV
16530	51.23	-0.95	H	50.28	68.20	17.92	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	57.17	-1.85	V	55.32	73.98	18.66	PK
11180	43.49	-1.85	V	41.64	53.98	12.34	AV
16770	52.70	-0.91	V	51.79	68.20	16.41	PK
11180	56.89	-1.85	H	55.04	73.98	18.94	PK
11180	43.30	-1.85	H	41.45	53.98	12.53	AV
16770	52.52	-0.91	H	51.61	68.20	16.59	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	53.04	-1.92	V	51.12	73.98	22.86	PK
11420	40.40	-1.92	V	38.48	53.98	15.50	AV
17130	53.20	2.04	V	55.24	68.20	12.96	PK
11420	52.85	-1.92	H	50.93	73.98	23.05	PK
11420	40.18	-1.92	H	38.26	53.98	15.72	AV
17130	53.61	2.04	H	55.65	68.20	12.55	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	54.27	-2.06	V	52.21	73.98	21.77	PK
11060	40.94	-2.06	V	38.88	53.98	15.10	AV
16590	51.90	-0.96	V	50.94	68.20	17.26	PK
11060	53.89	-2.06	H	51.83	73.98	22.15	PK
11060	40.75	-2.06	H	38.69	53.98	15.29	AV
16590	49.93	-0.96	H	48.97	68.20	19.23	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	54.41	-2.63	V	51.78	73.98	22.20	PK
11220	42.09	-2.63	V	39.46	53.98	14.52	AV
16830	52.01	0.85	V	52.86	68.20	15.34	PK
11220	53.84	-2.63	H	51.21	73.98	22.77	PK
11220	41.75	-2.63	H	39.12	53.98	14.86	AV
16830	50.31	0.85	H	51.16	68.20	17.04	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	53.19	-2.02	V	51.17	73.98	22.81	PK
11380	41.49	-2.02	V	39.47	53.98	14.51	AV
17070	52.34	1.48	V	53.82	68.20	14.38	PK
11380	51.65	-2.02	H	49.63	73.98	24.35	PK
11380	40.89	-2.02	H	38.87	53.98	15.11	AV
17070	50.20	1.48	H	51.68	68.20	16.52	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	54.91	-2.07	V	52.84	73.98	21.14	PK
11490	41.37	-2.07	V	39.30	53.98	14.68	AV
17235	54.90	2.97	V	57.87	68.20	10.33	PK
11490	54.85	-2.07	H	52.78	73.98	21.20	PK
11490	41.30	-2.07	H	39.23	53.98	14.75	AV
17235	53.83	2.97	H	56.80	68.20	11.40	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	54.67	-2.13	V	52.54	73.98	21.44	PK
11570	40.38	-2.13	V	38.25	53.98	15.73	AV
17355	54.87	3.16	V	58.03	68.20	10.18	PK
11570	54.58	-2.13	H	52.45	73.98	21.53	PK
11570	39.94	-2.13	H	37.81	53.98	16.17	AV
17355	53.74	3.16	H	56.90	68.20	11.31	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	57.54	-2.56	V	54.98	73.98	19.00	PK
11650	42.29	-2.56	V	39.73	53.98	14.25	AV
17475	55.96	4.17	V	60.13	68.20	8.08	PK
11650	55.14	-2.56	H	52.58	73.98	21.40	PK
11650	41.29	-2.56	H	38.73	53.98	15.25	AV
17475	55.07	4.17	H	59.24	68.20	8.97	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	54.91	-2.07	V	52.84	73.98	21.14	PK
11490	40.98	-2.07	V	38.91	53.98	15.07	AV
17235	53.75	2.97	V	56.72	68.20	11.48	PK
11490	54.65	-2.07	H	52.58	73.98	21.40	PK
11490	40.85	-2.07	H	38.78	53.98	15.20	AV
17235	54.11	2.97	H	57.08	68.20	11.12	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	54.71	-2.13	V	52.58	73.98	21.40	PK
11570	40.40	-2.13	V	38.27	53.98	15.71	AV
17355	54.94	3.16	V	58.10	68.20	10.11	PK
11570	53.78	-2.13	H	51.65	73.98	22.33	PK
11570	40.08	-2.13	H	37.95	53.98	16.03	AV
17355	53.66	3.16	H	56.82	68.20	11.39	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	57.58	-2.56	V	55.02	73.98	18.96	PK
11650	42.11	-2.56	V	39.55	53.98	14.43	AV
17475	55.67	4.17	V	59.84	68.20	8.37	PK
11650	57.23	-2.56	H	54.67	73.98	19.31	PK
11650	42.20	-2.56	H	39.64	53.98	14.34	AV
17475	55.50	4.17	H	59.67	68.20	8.54	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	55.14	-2.07	V	53.07	73.98	20.91	PK
11490	40.75	-2.07	V	38.68	53.98	15.30	AV
17235	54.28	2.97	V	57.25	68.20	10.95	PK
11490	54.89	-2.07	H	52.82	73.98	21.16	PK
11490	40.61	-2.07	H	38.54	53.98	15.44	AV
17235	54.54	2.97	H	57.51	68.20	10.69	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	55.18	-2.13	V	53.05	73.98	20.93	PK
11570	40.51	-2.13	V	38.38	53.98	15.60	AV
17355	55.00	3.16	V	58.16	68.20	10.05	PK
11570	54.44	-2.13	H	52.31	73.98	21.67	PK
11570	40.21	-2.13	H	38.08	53.98	15.90	AV
17355	54.80	3.16	H	57.96	68.20	10.25	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	56.59	-2.56	V	54.03	73.98	19.95	PK
11650	42.30	-2.56	V	39.74	53.98	14.24	AV
17475	55.35	4.17	V	59.52	68.20	8.69	PK
11650	56.71	-2.56	H	54.15	73.98	19.83	PK
11650	42.14	-2.56	H	39.58	53.98	14.40	AV
17475	54.88	4.17	H	59.05	68.20	9.16	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	54.29	-1.83	V	52.46	73.98	21.52	PK
11510	40.92	-1.83	V	39.09	53.98	14.89	AV
17265	50.17	2.60	V	52.77	68.20	15.44	PK
11510	53.88	-1.83	H	52.05	73.98	21.93	PK
11510	40.50	-1.83	H	38.67	53.98	15.31	AV
17265	49.54	2.60	H	52.14	68.20	16.07	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	53.58	-2.10	V	51.48	73.98	22.50	PK
11590	41.44	-2.10	V	39.34	53.98	14.64	AV
17385	51.50	3.42	V	54.92	68.20	13.28	PK
11590	53.28	-2.10	H	51.18	73.98	22.80	PK
11590	40.61	-2.10	H	38.51	53.98	15.47	AV
17385	50.86	3.42	H	54.28	68.20	13.92	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	53.72	-1.83	V	51.89	73.98	22.09	PK
11510	40.88	-1.83	V	39.05	53.98	14.93	AV
17265	50.78	2.60	V	53.38	68.20	14.83	PK
11510	52.99	-1.83	H	51.16	73.98	22.82	PK
11510	40.70	-1.83	H	38.87	53.98	15.11	AV
17265	50.11	2.60	H	52.71	68.20	15.50	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	53.49	-2.10	V	51.39	73.98	22.59	PK
11590	41.31	-2.10	V	39.21	53.98	14.77	AV
17385	50.88	3.42	V	54.30	68.20	13.90	PK
11590	53.10	-2.10	H	51.00	73.98	22.98	PK
11590	40.58	-2.10	H	38.48	53.98	15.50	AV
17385	50.36	3.42	H	53.78	68.20	14.42	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: 0

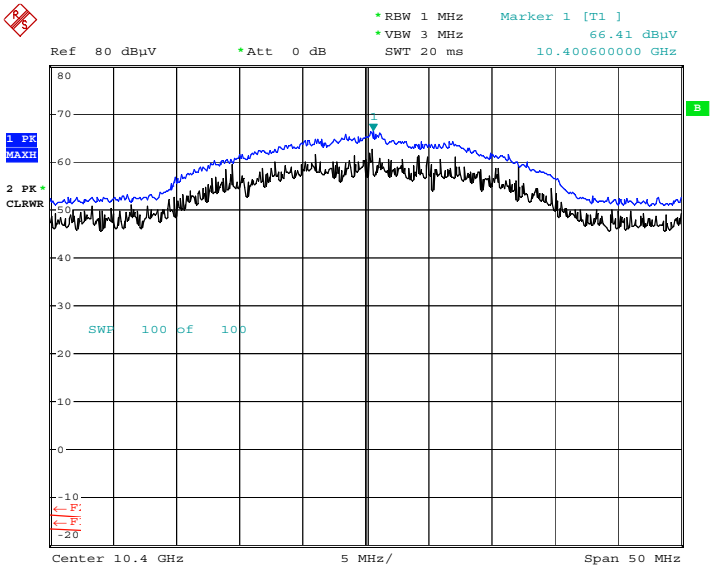
Operating Frequency 5775 MHz

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	52.84	-1.50	V	51.34	73.98	22.64	PK
11550	40.32	-1.50	V	38.82	53.98	15.16	AV
17325	50.00	3.32	V	53.32	68.20	14.89	PK
11550	51.39	-1.50	H	49.89	73.98	24.09	PK
11550	39.84	-1.50	H	38.34	53.98	15.64	AV
17325	49.77	3.32	H	53.09	68.20	15.12	PK

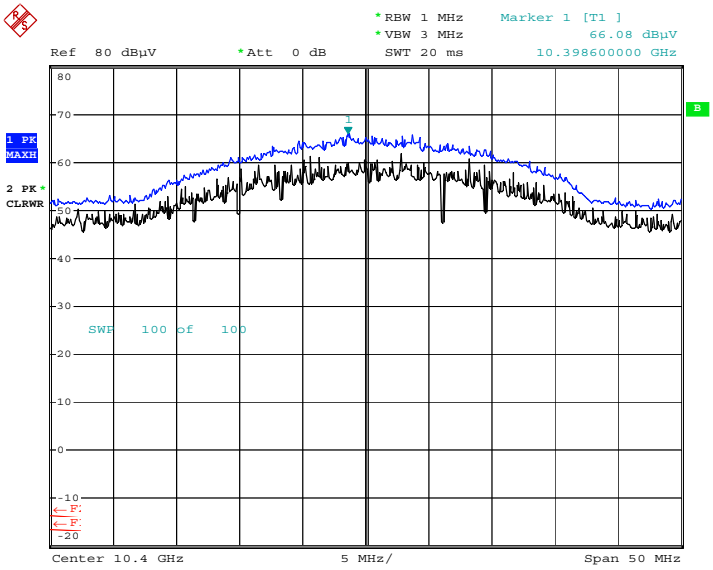
▣ Test Plots

Peak Reading (802.11a, Ch.40 2nd Harmonic, Y-V)



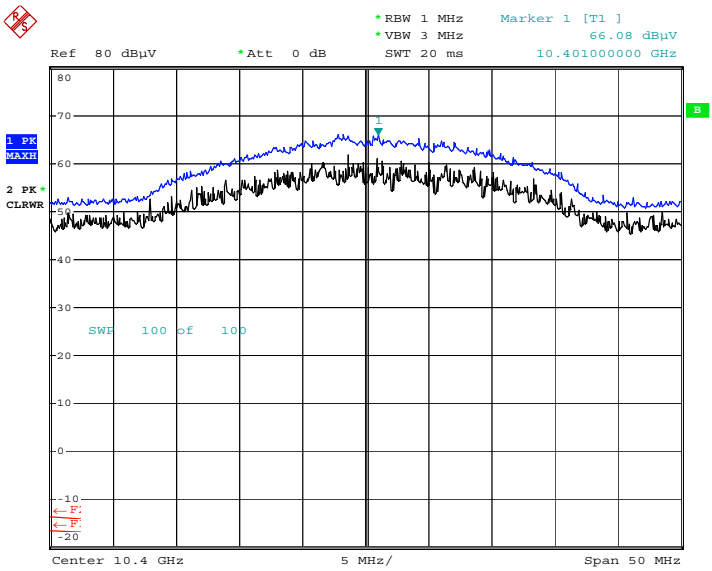
Date: 20.MAY.2019 15:47:23

Peak Reading (802.11n_HT20, Ch.40 2nd Harmonic, Y-V)



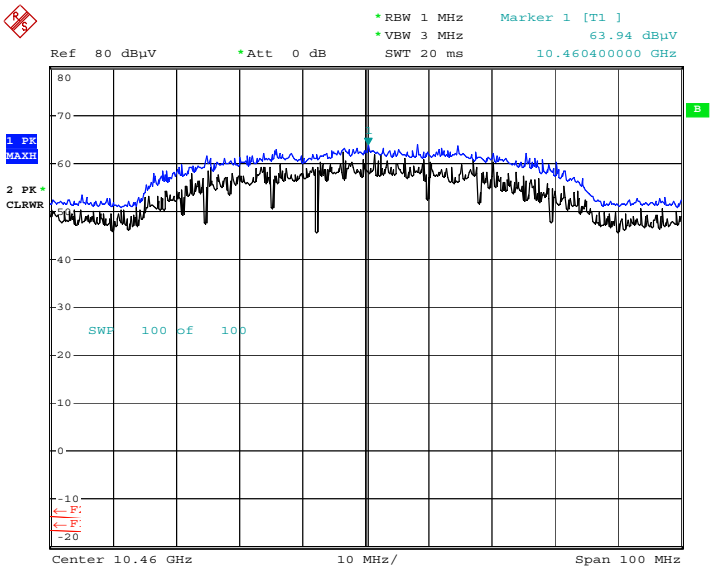
Date: 20.MAY.2019 15:50:02

Peak Reading (802.11ac_VHT20, Ch.40 2nd Harmonic, Y-V)



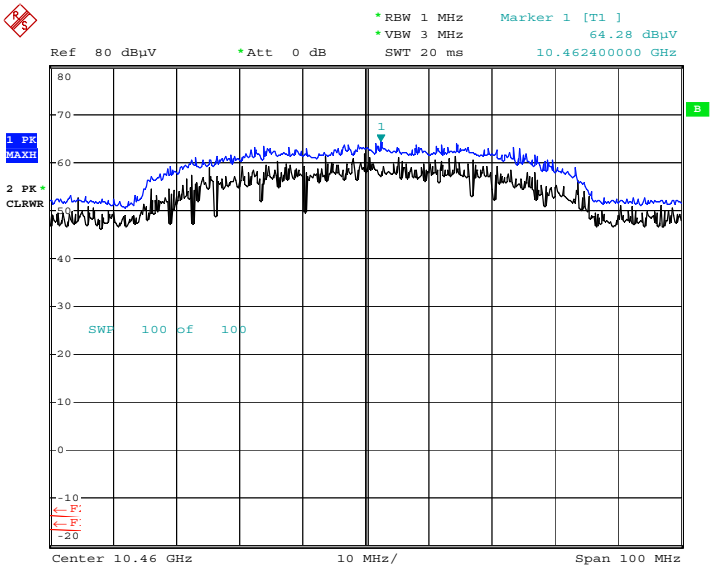
Date: 20.MAY.2019 15:52:31

Peak Reading (802.11n_HT40, Ch.46 2nd Harmonic, Y-V)



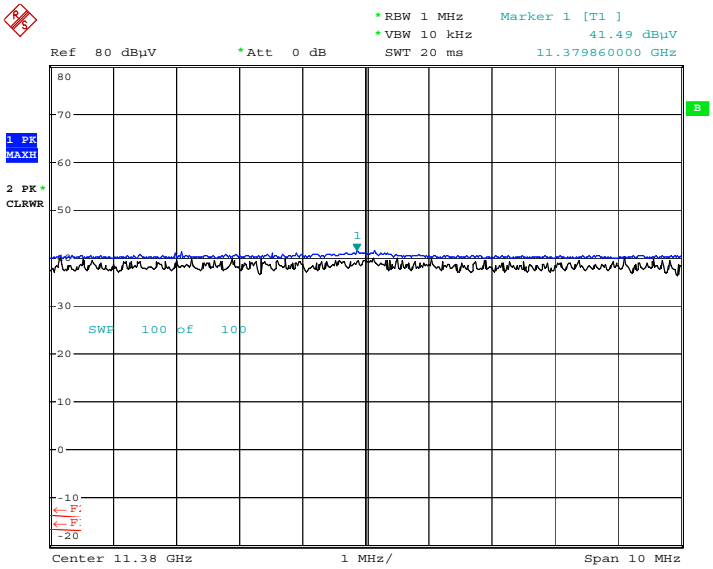
Date: 20.MAY.2019 15:53:54

Peak Reading (802.11ac_VHT40, Ch.46 2nd Harmonic, Y-V)



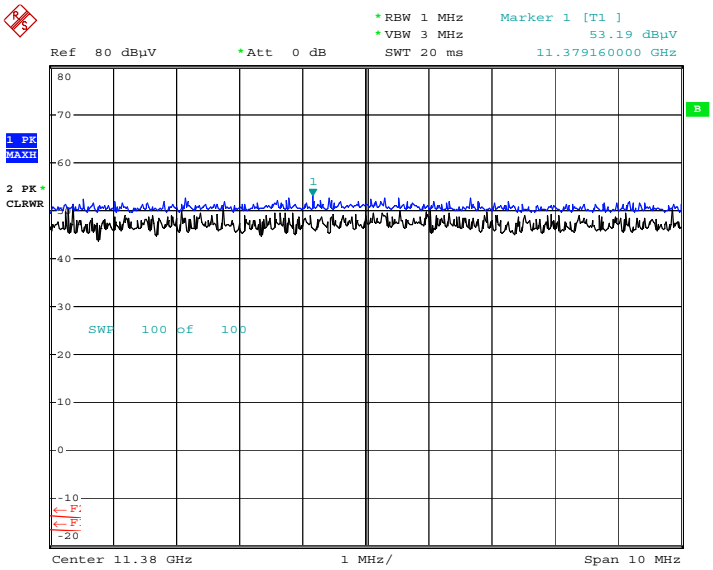
Date: 20.MAY.2019 15:55:29

Average Reading(802.11ac_VHT80, Ch.138 2nd Harmonic, X-V)



Date: 20.MAY.2019 16:30:33

Peak Reading (802.11ac_VHT80, Ch.138 2nd Harmonic, X-V)



Date: 20.MAY.2019 16:31:01

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	58.76	3.89	H	62.65	73.98	11.33	PK
5150	44.38	3.89	H	48.27	53.98	5.71	AV
5150	58.46	3.89	V	62.35	73.98	11.63	PK
5150	44.01	3.89	V	47.9	53.98	6.08	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	59.33	3.89	H	63.22	73.98	10.76	PK
5150	46.32	3.89	H	50.21	53.98	3.77	AV
5150	59.04	3.89	V	62.93	73.98	11.05	PK
5150	45.84	3.89	V	49.73	53.98	4.25	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	58.07	3.89	H	61.96	73.98	12.02	PK
5150	42.11	3.89	H	46	53.98	7.98	AV
5150	57.42	3.89	V	61.31	73.98	12.67	PK
5150	42.00	3.89	V	45.89	53.98	8.09	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	58.90	3.89	H	62.79	73.98	11.19	PK
5150	46.82	3.89	H	50.71	53.98	3.27	AV
5150	58.52	3.89	V	62.41	73.98	11.57	PK
5150	46.81	3.89	V	50.7	53.98	3.28	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	60.21	3.89	H	64.10	73.98	9.88	PK
5150	46.45	3.89	H	50.34	53.98	3.64	AV
5150	59.99	3.89	V	63.88	73.98	10.10	PK
5150	46.35	3.89	V	50.24	53.98	3.74	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	56.89	3.89	H	60.78	73.98	13.20	PK
5150	45.87	3.89	H	49.76	53.98	4.22	AV
5150	56.68	3.89	V	60.57	73.98	13.41	PK
5150	45.75	3.89	V	49.64	53.98	4.34	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	57.41	4.22	H	61.63	73.98	12.35	PK
5350	41.59	4.22	H	45.81	53.98	8.17	AV
5350	56.31	4.22	V	60.53	73.98	13.45	PK
5350	41.05	4.22	V	45.27	53.98	8.71	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	55.51	4.22	H	59.73	73.98	14.25	PK
5350	42.01	4.22	H	46.23	53.98	7.75	AV
5350	55.24	4.22	V	59.46	73.98	14.52	PK
5350	41.89	4.22	V	46.11	53.98	7.87	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	51.83	4.22	H	56.05	73.98	17.93	PK
5350	38.47	4.22	H	42.69	53.98	11.29	AV
5350	51.52	4.22	V	55.74	73.98	18.24	PK
5350	38.33	4.22	V	42.55	53.98	11.43	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	60.84	4.22	H	65.06	73.98	8.92	PK
5350	46.92	4.22	H	51.14	53.98	2.84	AV
5350	60.84	4.22	V	65.06	73.98	8.92	PK
5350	46.73	4.22	V	50.95	53.98	3.03	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	60.98	4.22	H	65.20	73.98	8.78	PK
5350	46.97	4.22	H	51.19	53.98	2.79	AV
5350	59.25	4.22	V	63.47	73.98	10.51	PK
5350	46.38	4.22	V	50.6	53.98	3.38	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	58.25	4.22	H	62.47	73.98	11.51	PK
5350	45.76	4.22	H	49.98	53.98	4.00	AV
5350	58.11	4.22	V	62.33	73.98	11.65	PK
5350	45.65	4.22	V	49.87	53.98	4.11	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	50.27	5.10	H	55.37	73.98	18.61	PK
5460	36.74	5.10	H	41.84	53.98	12.14	AV
5470	53.72	5.06	H	58.78	68.20	9.42	PK
5460	50.27	5.10	V	55.37	73.98	18.61	PK
5460	36.62	5.10	V	41.72	53.98	12.26	AV
5470	53.13	5.06	V	58.19	68.20	10.01	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	50.78	5.10	H	55.88	73.98	18.10	PK
5460	36.80	5.10	H	41.9	53.98	12.08	AV
5470	53.69	5.06	H	58.75	68.20	9.45	PK
5460	50.58	5.10	V	55.68	73.98	18.30	PK
5460	36.74	5.10	V	41.84	53.98	12.14	AV
5470	53.54	5.06	V	58.6	68.20	9.60	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	51.46	5.10	H	56.56	73.98	17.42	PK
5460	36.70	5.10	H	41.8	53.98	12.18	AV
5470	54.16	5.06	H	59.22	68.20	8.98	PK
5460	51.38	5.10	V	56.48	73.98	17.50	PK
5460	36.66	5.10	V	41.76	53.98	12.22	AV
5470	53.29	5.06	V	58.35	68.20	9.85	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	55.26	5.10	H	60.36	73.98	13.62	PK
5460	39.04	5.10	H	44.14	53.98	9.84	AV
5470	59.28	5.06	H	64.34	68.20	3.86	PK
5460	54.96	5.10	V	60.06	73.98	13.92	PK
5460	38.05	5.10	V	43.15	53.98	10.83	AV
5470	58.79	5.06	V	63.85	68.20	4.35	PK

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

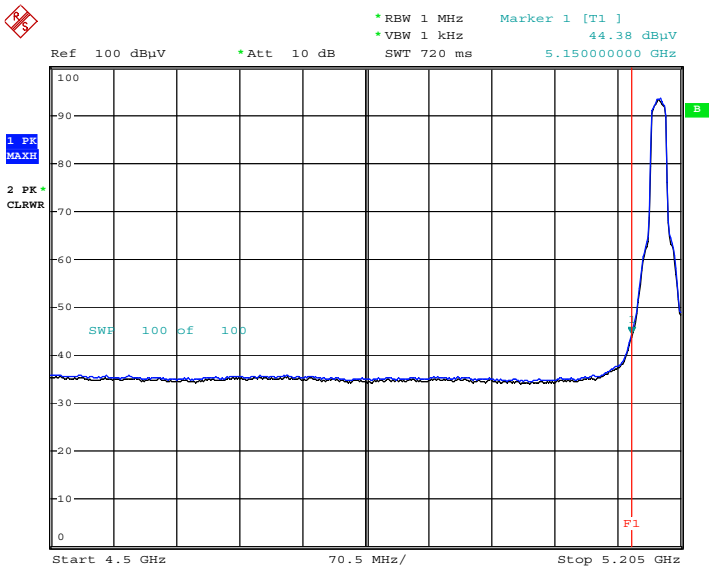
Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	55.17	5.10	H	60.27	73.98	13.71	PK
5460	38.79	5.10	H	43.89	53.98	10.09	AV
5470	59.06	5.06	H	64.12	68.20	4.08	PK
5460	55.01	5.10	V	60.11	73.98	13.87	PK
5460	38.70	5.10	V	43.8	53.98	10.18	AV
5470	58.67	5.06	V	63.73	68.20	4.47	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	58.46	5.10	H	63.56	73.98	10.42	PK
5460	45.83	5.10	H	50.93	53.98	3.05	AV
5470	59.90	5.06	H	64.96	68.20	3.24	PK
5460	58.32	5.10	V	63.42	73.98	10.56	PK
5460	45.74	5.10	V	50.84	53.98	3.14	AV
5470	59.65	5.06	V	64.71	68.20	3.49	PK

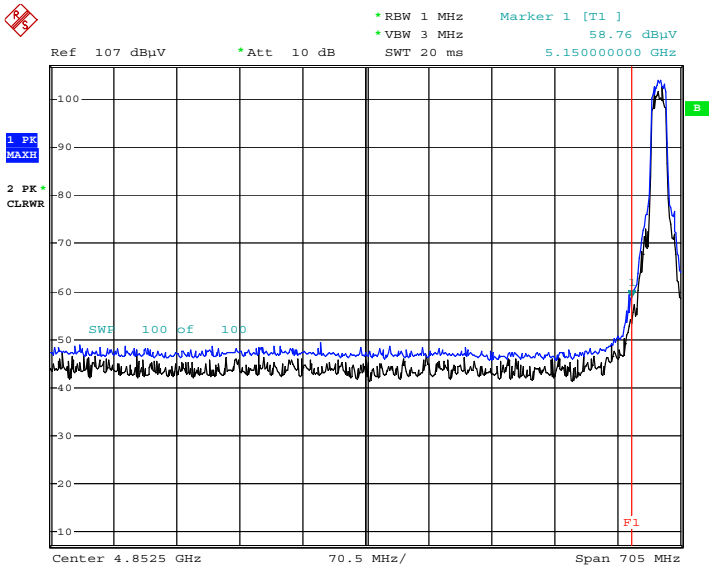
▣ Test Plots(UNII 1, 2A, 2C)

Average Reading (802.11a, Ch.36 , X-H)



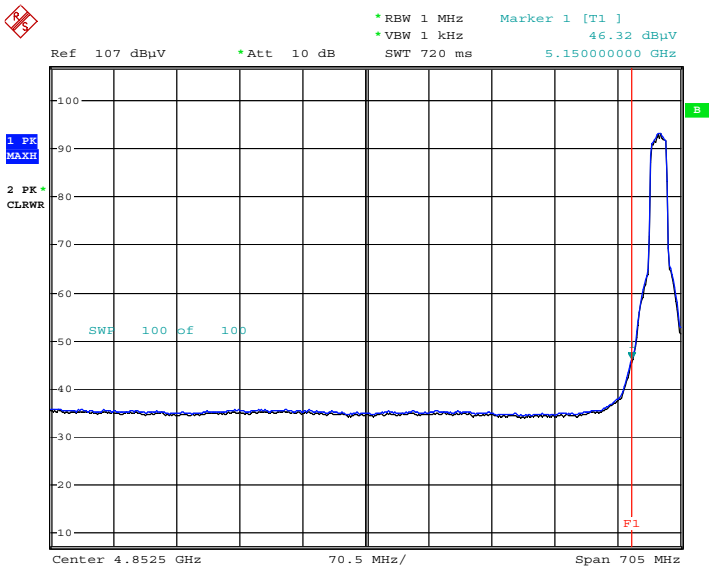
Date: 20.MAY.2019 09:48:29

Peak Reading (802.11a, Ch.36, X-H)



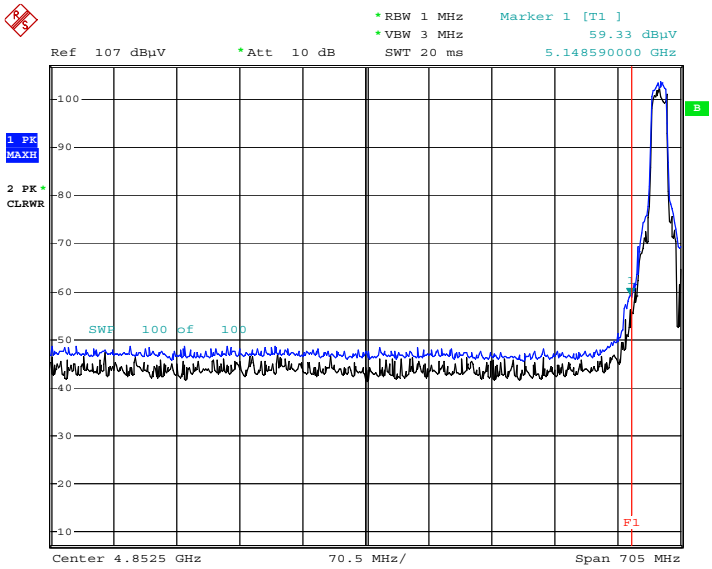
Date: 20.MAY.2019 09:49:17

Average Reading (802.11n_HT20, Ch.36, Z-H)



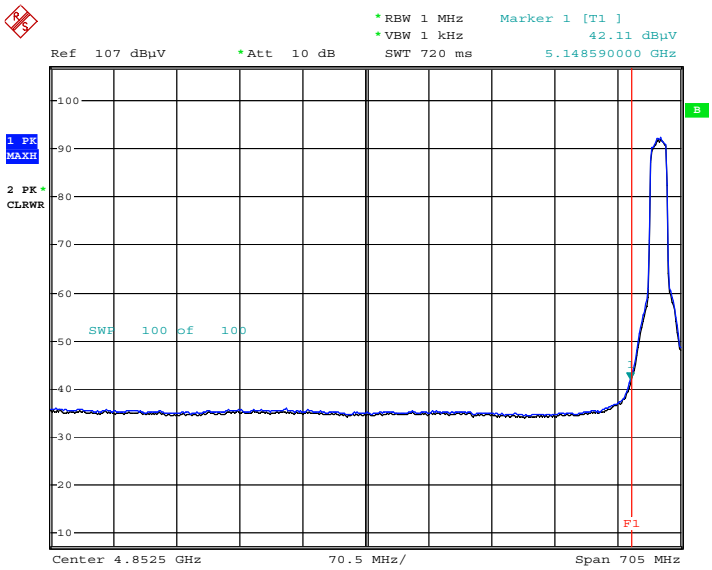
Date: 20.MAY.2019 09:51:53

Peak Reading (802.11n_HT20, Ch.36, Z-H)



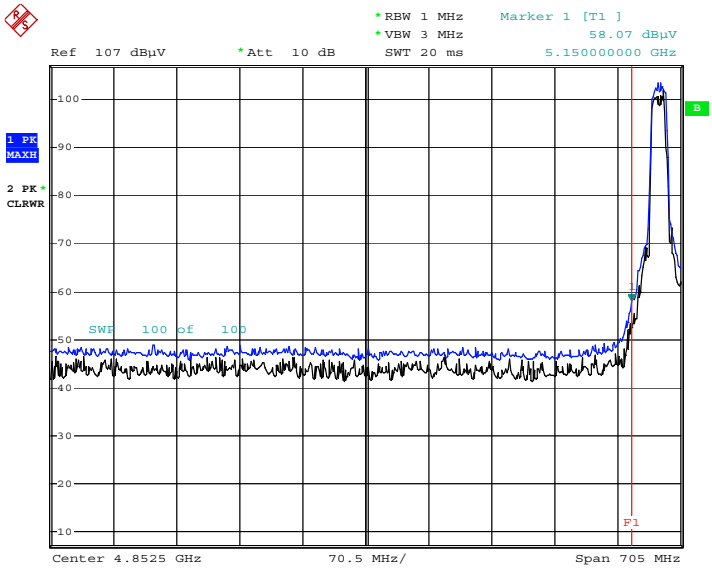
Date: 20.MAY.2019 09:52:24

Average Reading (802.11ac_VHT20, Ch.36, Z-H)



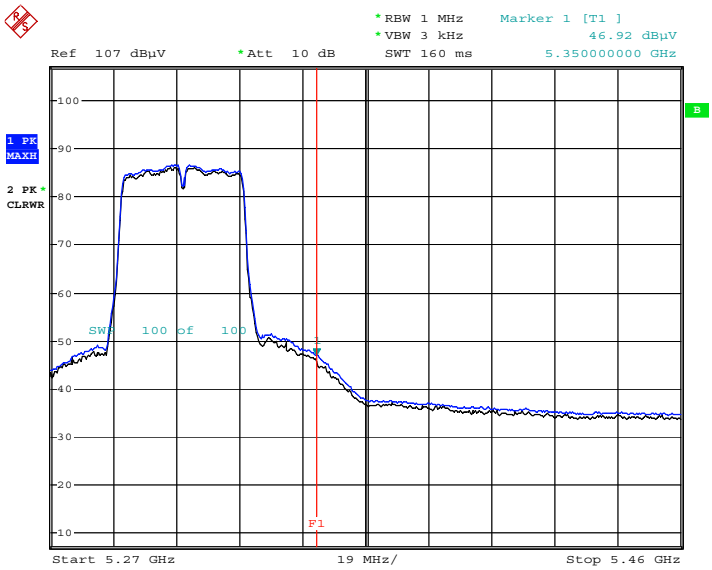
Date: 20.MAY.2019 09:54:52

Peak Reading (802.11ac_VHT20, Ch.36, Z-H)



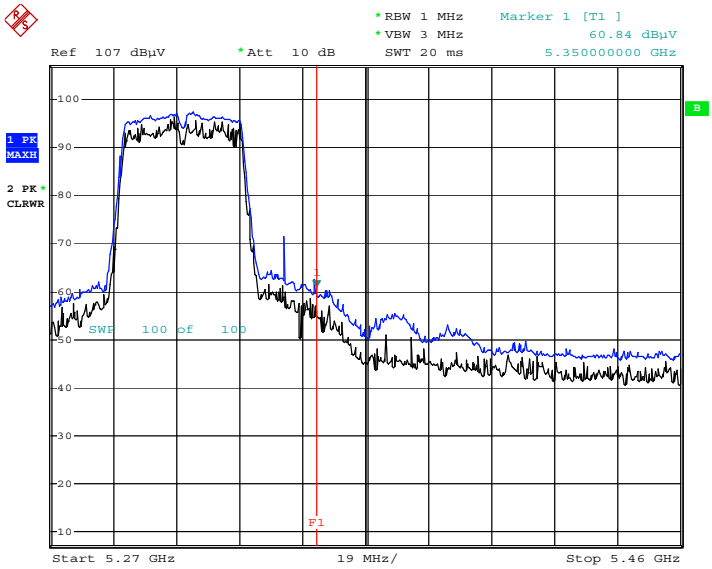
Date: 20.MAY.2019 09:55:34

Average Reading (802.11n_HT40, Ch.62, X-H)



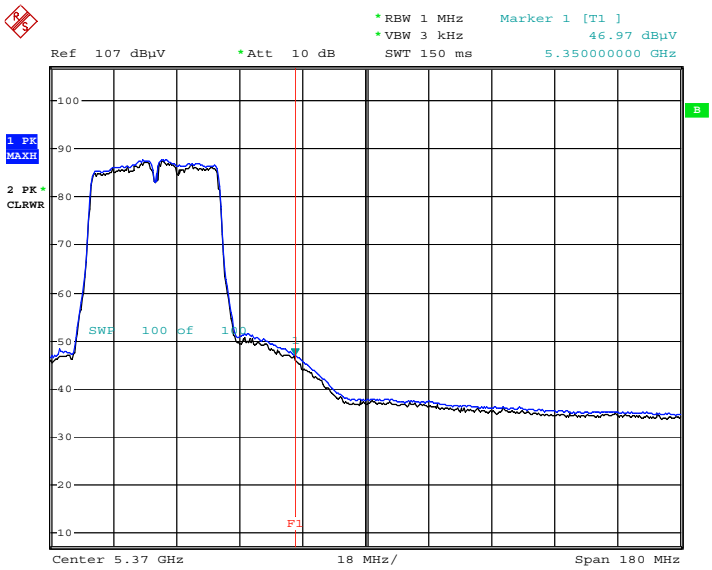
Date: 20.MAY.2019 13:58:00

Peak Reading (802.11n_HT40, Ch.62, X-H)



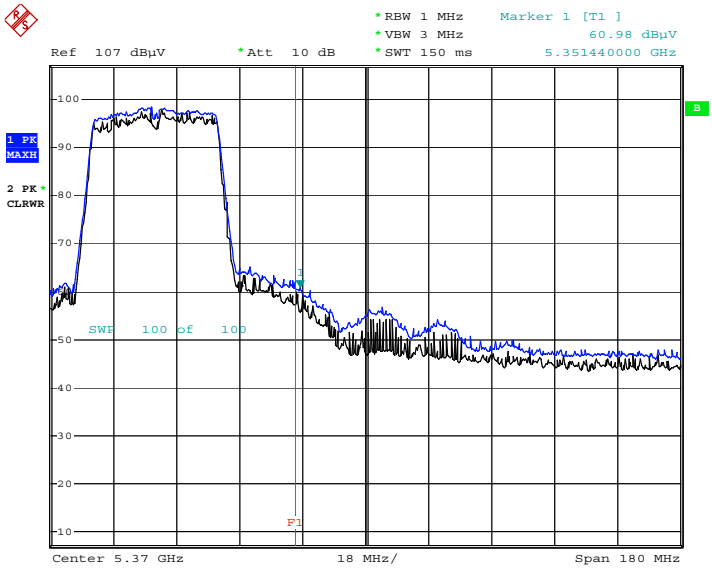
Date: 20.MAY.2019 13:59:08

Average Reading (802.11ac_VHT40, Ch.62, X-H)



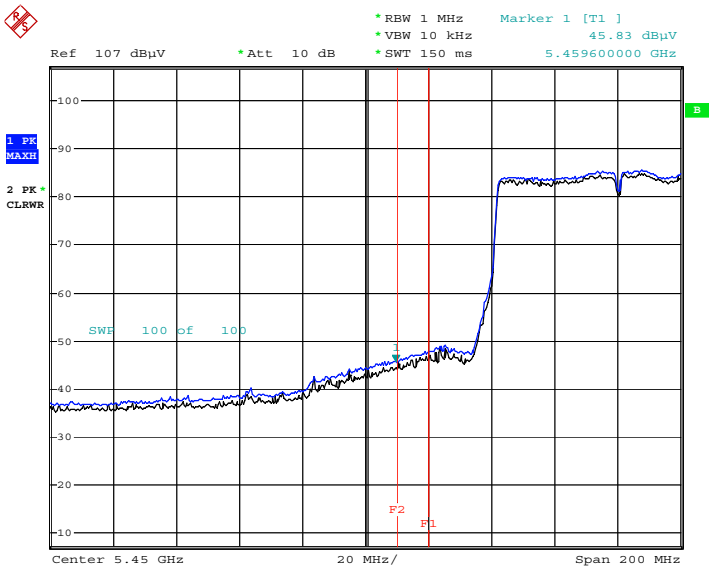
Date: 20.MAY.2019 15:27:45

Peak Reading (802.11ac_VHT40, Ch.62, X-H)



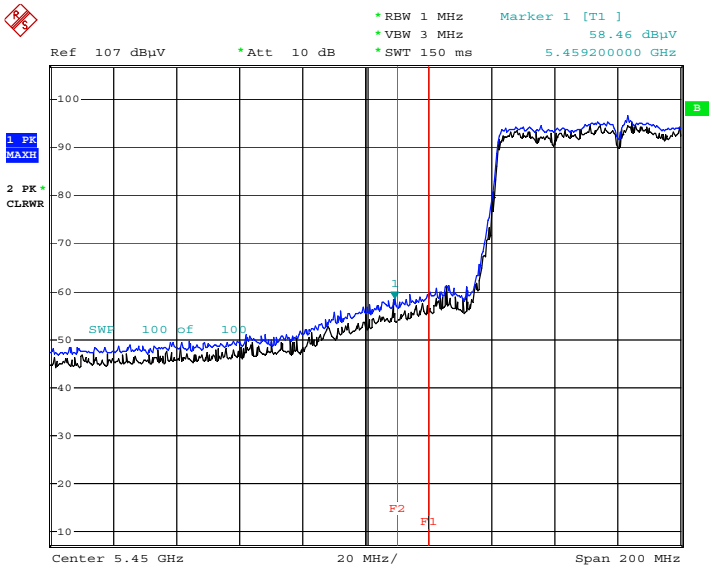
Date: 20.MAY.2019 15:28:28

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



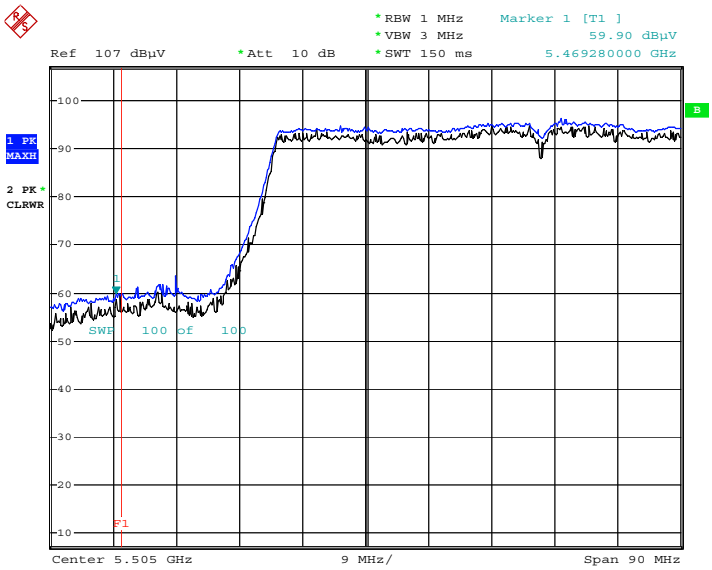
Date: 20.MAY.2019 15:32:04

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



Date: 20.MAY.2019 15:32:46

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

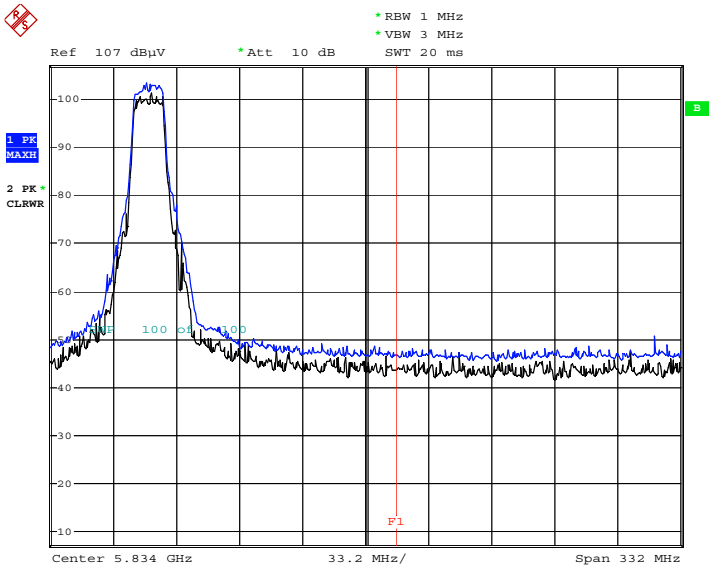


Date: 20.MAY.2019 15:31:08

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

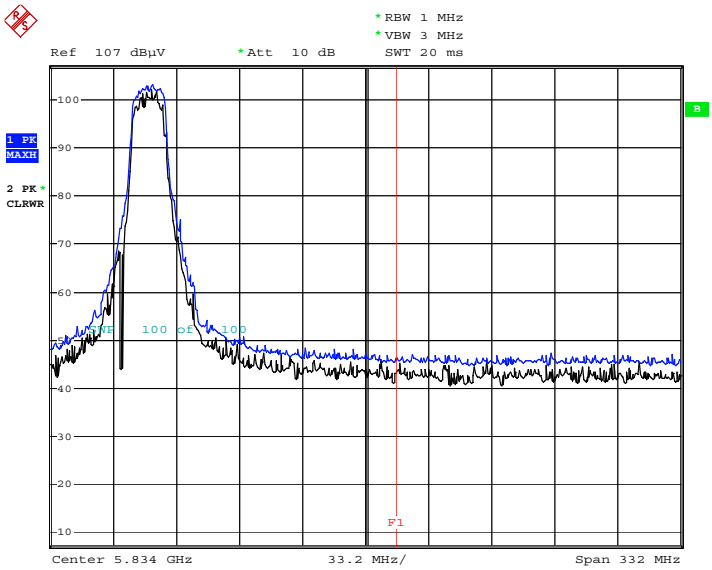
▣ Test Plots(Staraddle Channel)

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



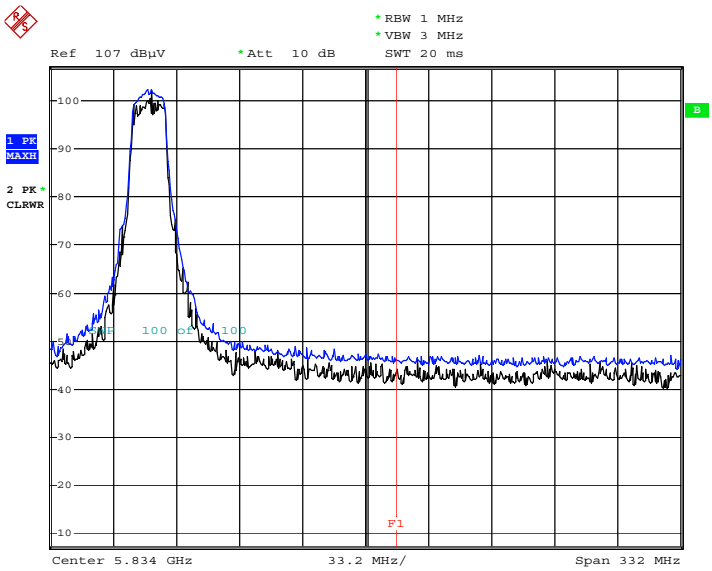
Date: 21.MAY.2019 12:10:02

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



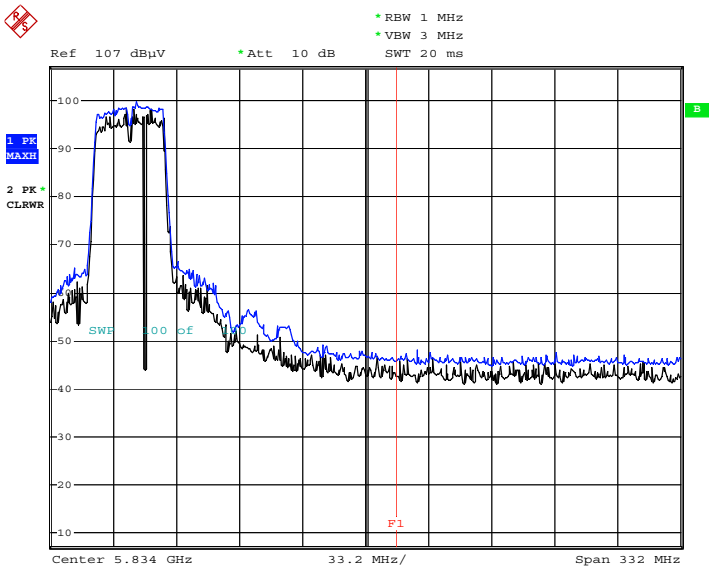
Date: 21.MAY.2019 12:10:49

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



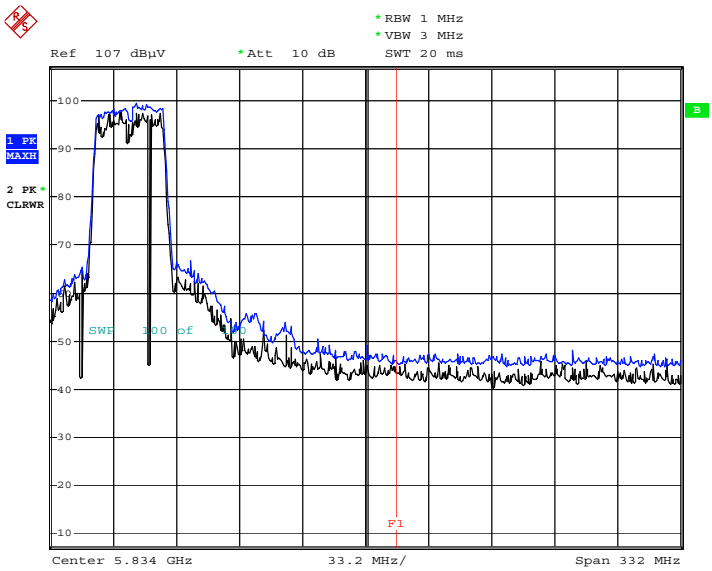
Date: 21.MAY.2019 12:11:09

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



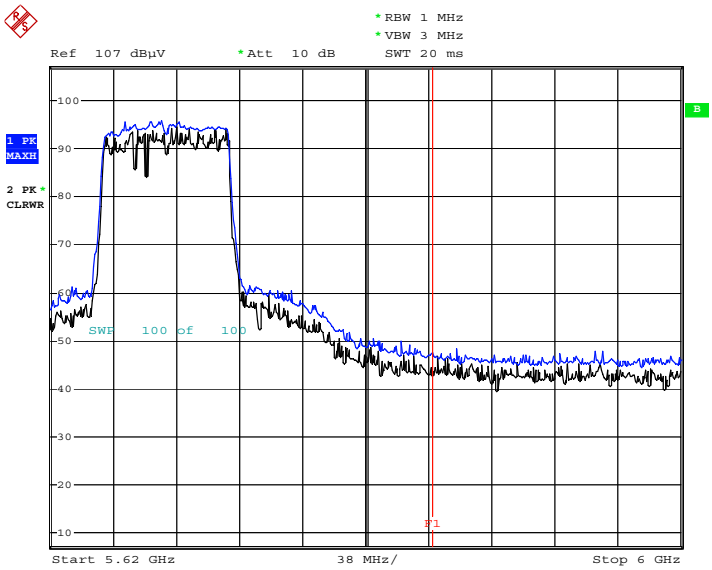
Date: 21.MAY.2019 12:11:32

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



Date: 21.MAY.2019 12:11:54

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



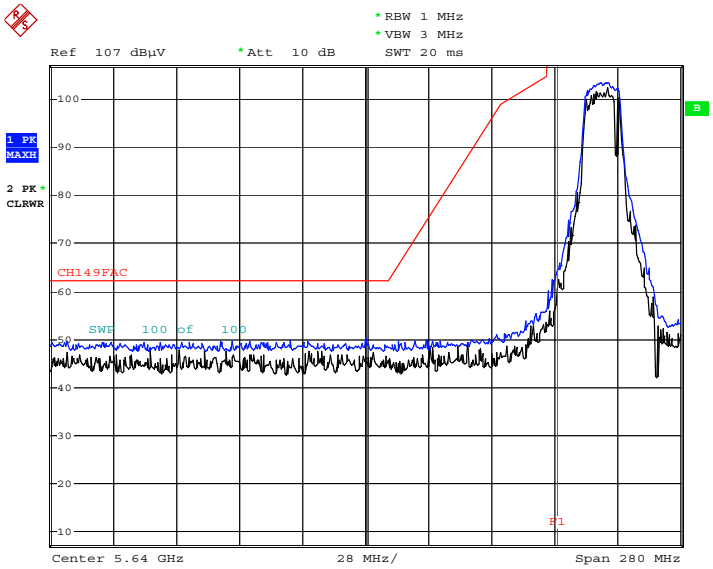
Date: 21.MAY.2019 12:12:35

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)

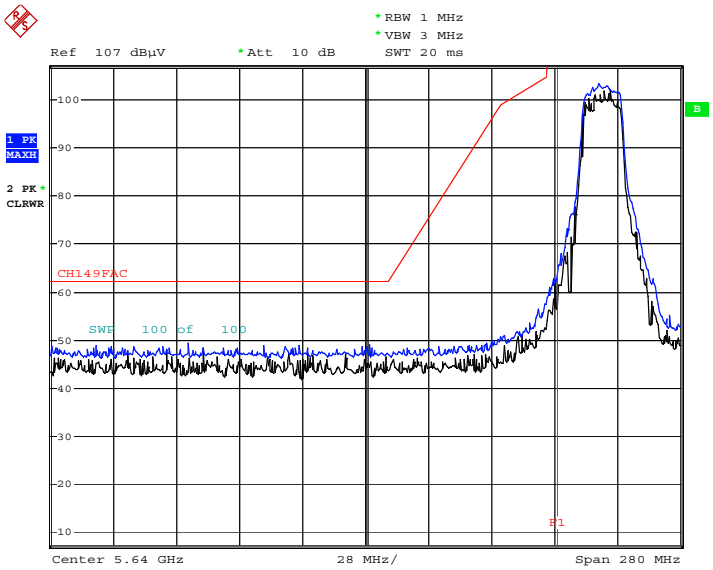
▣ Test Plots(UNII 3)

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



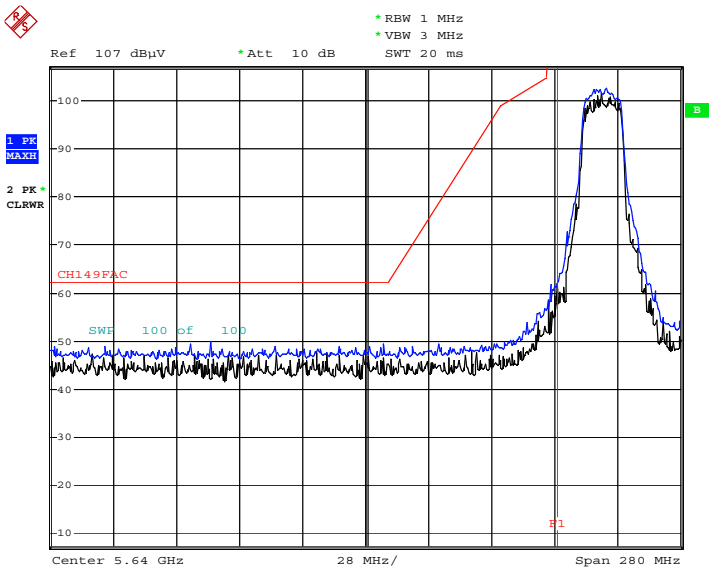
Date: 21.MAY.2019 12:01:27

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



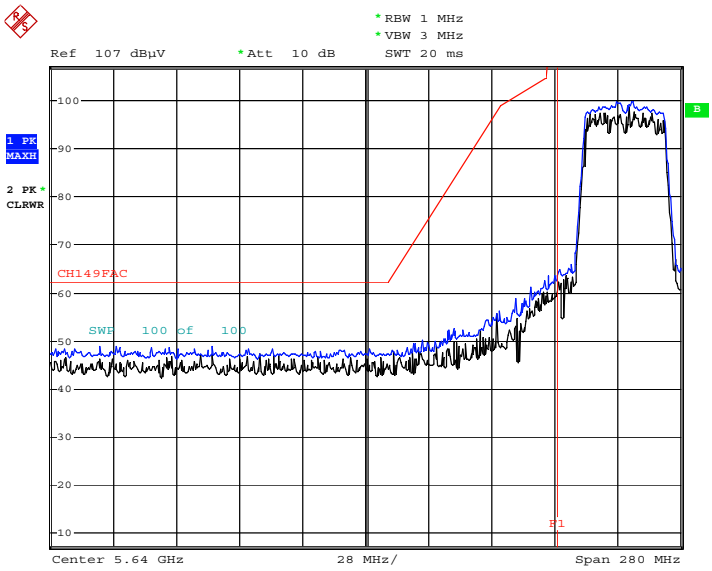
Date: 21.MAY.2019 12:02:31

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



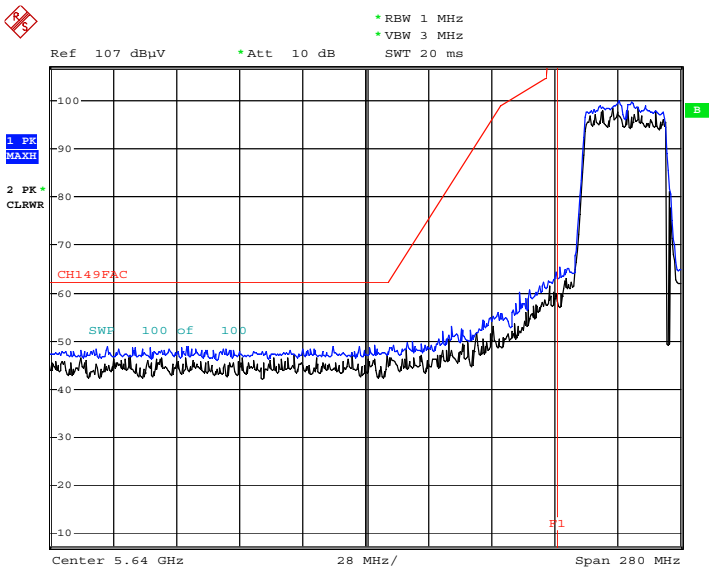
Date: 21.MAY.2019 12:02:55

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



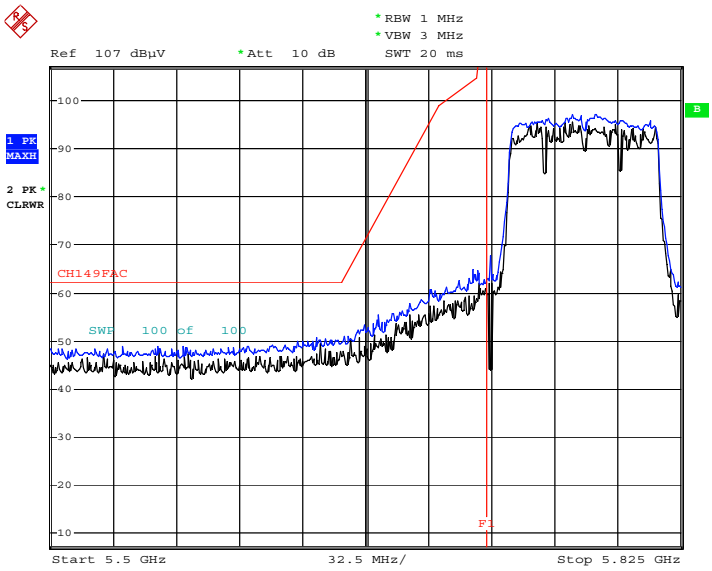
Date: 21.MAY.2019 12:03:24

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



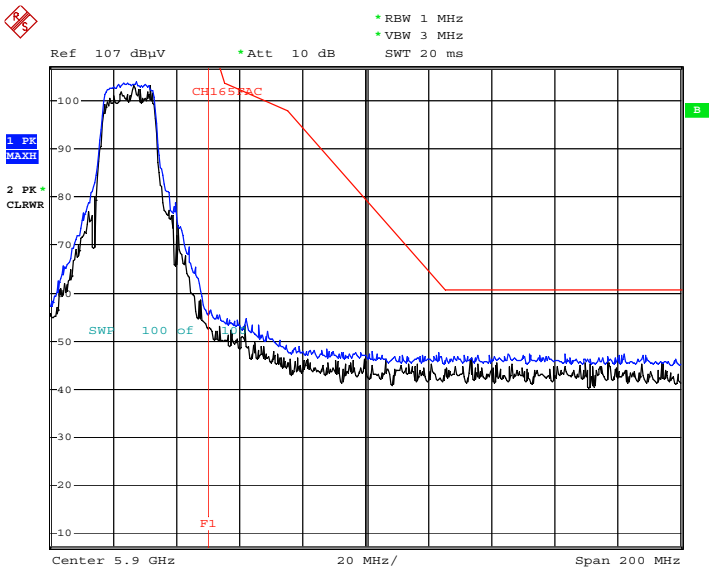
Date: 21.MAY.2019 12:03:49

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



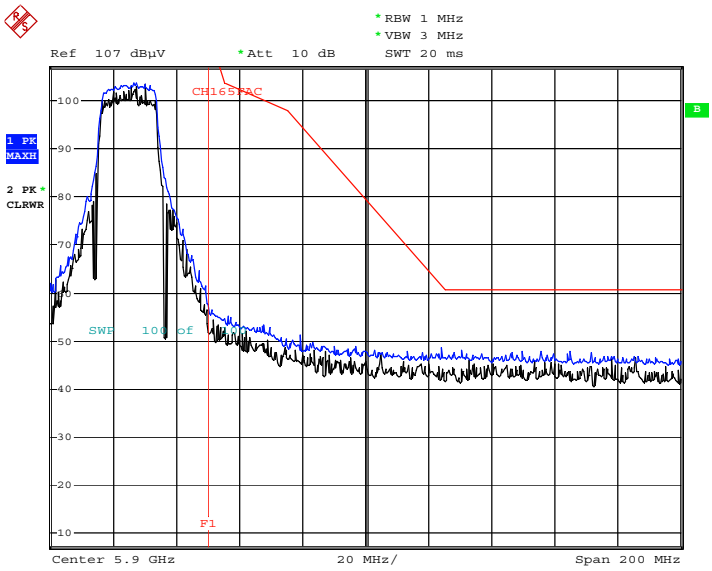
Date: 21.MAY.2019 12:04:39

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



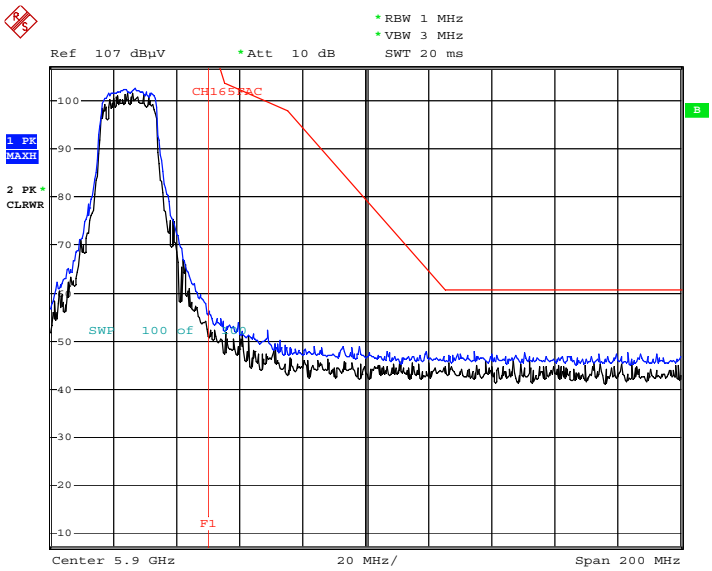
Date: 21.MAY.2019 11:48:27

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



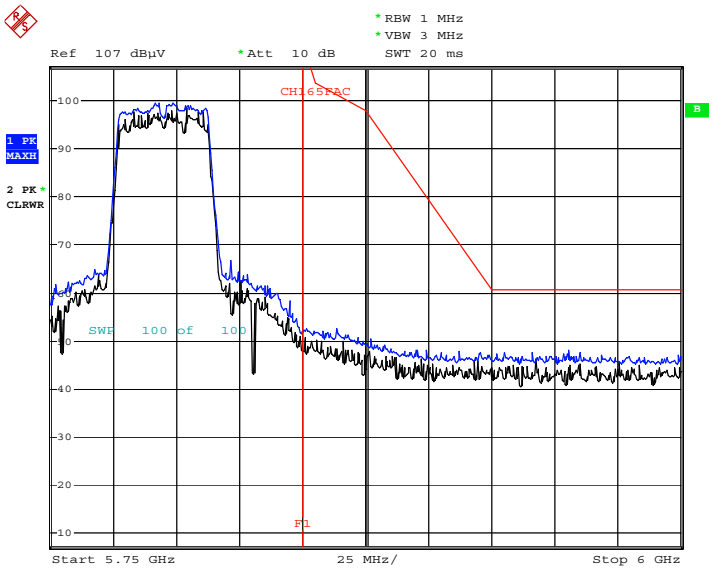
Date: 21.MAY.2019 11:49:06

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



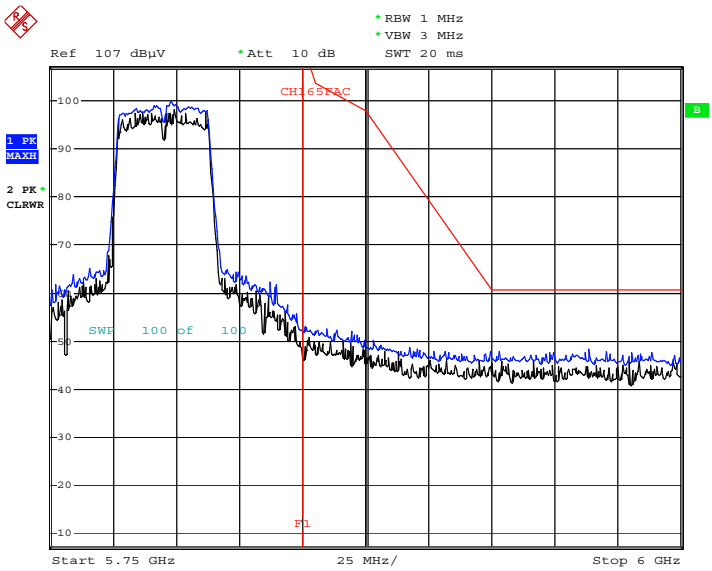
Date: 21.MAY.2019 11:49:37

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



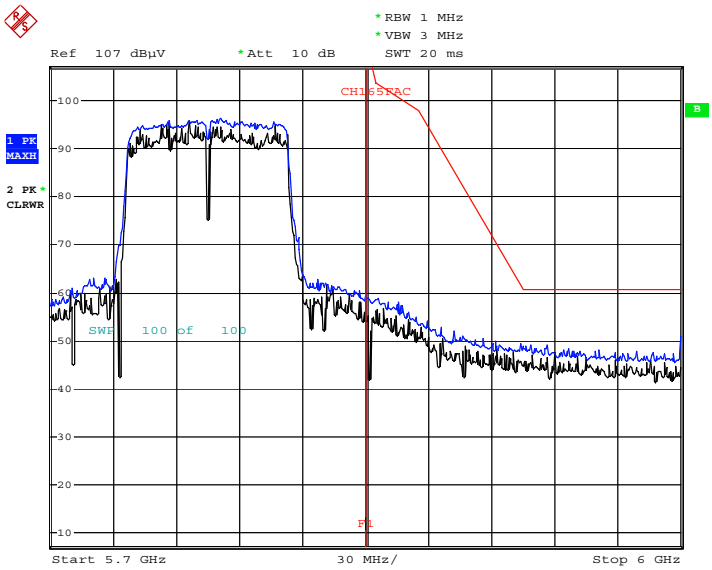
Date: 21.MAY.2019 11:50:19

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



Date: 21.MAY.2019 11:50:49

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



Date: 21.MAY.2019 11:51:29

10.10 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

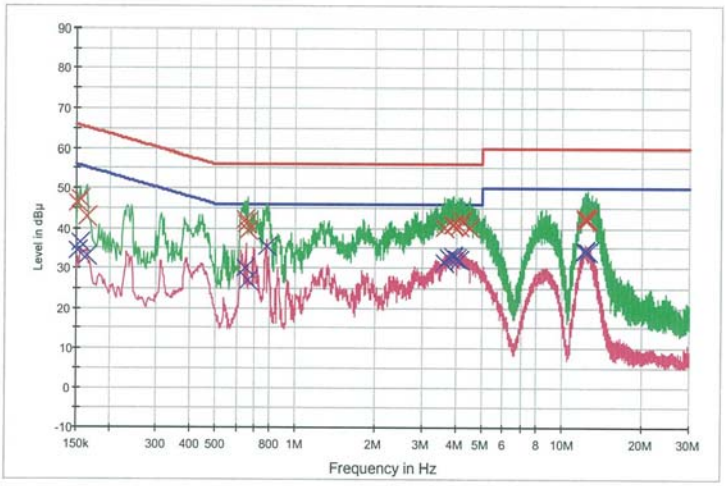
Test 1 / 2

HCT TEST Report

Common Information

EUT:	SM-T727V
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	WLAN 5G MODE

FCC CLASS B_Exten Cable



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

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	46.4	9.000	Off	N	9.8	19.5	65.9
0.156000	47.4	9.000	Off	N	9.8	18.2	65.7
0.164000	42.9	9.000	Off	N	9.8	22.4	65.3
0.648000	42.1	9.000	Off	N	9.9	13.9	56.0
0.654000	41.3	9.000	Off	N	9.9	14.7	56.0
0.662000	39.4	9.000	Off	N	9.9	16.6	56.0
3.610000	40.1	9.000	Off	N	10.1	15.9	56.0
3.894000	40.7	9.000	Off	N	10.2	15.3	56.0
3.934000	40.9	9.000	Off	N	10.2	15.1	56.0
4.126000	40.7	9.000	Off	N	10.2	15.3	56.0
4.220000	41.7	9.000	Off	N	10.2	14.3	56.0
4.526000	40.0	9.000	Off	N	10.2	16.0	56.0
12.196000	42.3	9.000	Off	N	10.5	17.7	60.0
12.222000	42.5	9.000	Off	N	10.5	17.5	60.0
12.254000	42.2	9.000	Off	N	10.5	17.8	60.0
12.264000	42.2	9.000	Off	N	10.5	17.8	60.0
12.332000	42.0	9.000	Off	N	10.6	18.0	60.0
12.484000	42.1	9.000	Off	N	10.6	17.9	60.0

2019-05-17 오전 9:40:46

Test

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	34.5	9.000	Off	N	9.8	21.4	55.9
0.156000	36.6	9.000	Off	N	9.8	19.1	55.7
0.164000	33.1	9.000	Off	N	9.8	22.1	55.3
0.648000	29.9	9.000	Off	N	9.9	16.1	46.0
0.662000	27.1	9.000	Off	N	9.9	18.9	46.0
0.776000	35.4	9.000	Off	N	9.9	10.6	46.0
3.610000	31.2	9.000	Off	N	10.1	14.8	46.0
3.758000	32.6	9.000	Off	N	10.2	13.4	46.0
3.894000	33.0	9.000	Off	N	10.2	13.0	46.0
3.934000	32.8	9.000	Off	N	10.2	13.2	46.0
4.006000	32.3	9.000	Off	N	10.2	13.7	46.0
4.126000	32.1	9.000	Off	N	10.2	14.0	46.0
12.154000	34.5	9.000	Off	N	10.5	15.5	50.0
12.180000	34.4	9.000	Off	N	10.5	15.6	50.0
12.210000	34.3	9.000	Off	N	10.5	15.7	50.0
12.236000	34.2	9.000	Off	N	10.5	15.8	50.0
12.254000	34.1	9.000	Off	N	10.5	15.9	50.0
12.486000	34.1	9.000	Off	N	10.6	15.9	50.0

2019-05-17

오전 9:40:46

Conducted Emissions (Line 2)

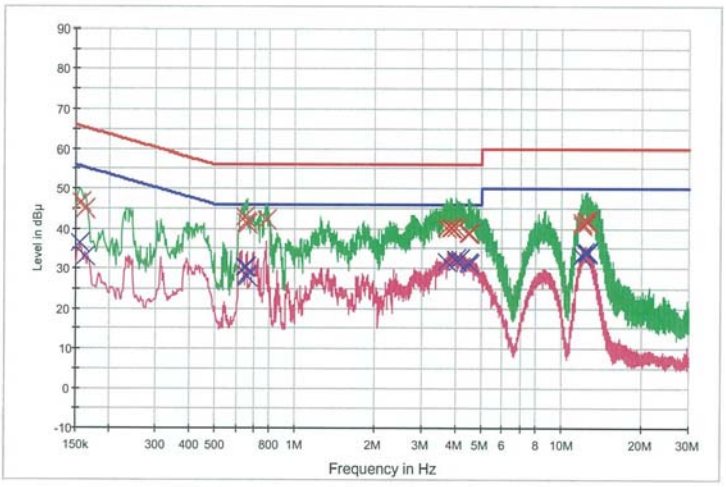
Test 1 / 2

HCT TEST Report

Common Information

EUT:	SM-T727V
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	WLAN 5G MODE

FCC CLASS B_Exten Cable



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

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.158000	46.5	9.000	Off	L1	9.7	19.1	65.6
0.162000	45.0	9.000	Off	L1	9.7	20.4	65.4
0.644000	43.0	9.000	Off	L1	9.8	13.0	56.0
0.652000	41.6	9.000	Off	L1	9.8	14.4	56.0
0.660000	41.0	9.000	Off	L1	9.8	15.0	56.0
0.776000	42.1	9.000	Off	L1	9.8	13.9	56.0
3.718000	40.2	9.000	Off	L1	10.0	15.8	56.0
3.808000	40.1	9.000	Off	L1	10.0	15.9	56.0
3.872000	40.1	9.000	Off	L1	10.0	15.9	56.0
4.000000	40.3	9.000	Off	L1	10.0	15.7	56.0
4.450000	38.7	9.000	Off	L1	10.0	17.3	56.0
4.514000	39.0	9.000	Off	L1	10.0	17.0	56.0
11.874000	41.0	9.000	Off	L1	10.3	19.0	60.0
11.950000	41.4	9.000	Off	L1	10.3	18.6	60.0
12.384000	41.9	9.000	Off	L1	10.3	18.1	60.0
12.416000	41.9	9.000	Off	L1	10.3	18.1	60.0
12.432000	41.9	9.000	Off	L1	10.3	18.1	60.0
12.550000	41.6	9.000	Off	L1	10.3	18.4	60.0

2019-05-17 오전 9:50:44

Test 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.156000	36.3	9.000	Off	L1	9.7	19.4	55.7
0.162000	33.1	9.000	Off	L1	9.7	22.2	55.4
0.644000	30.3	9.000	Off	L1	9.8	15.7	46.0
0.652000	30.2	9.000	Off	L1	9.8	15.8	46.0
0.656000	28.2	9.000	Off	L1	9.8	17.8	46.0
0.660000	28.1	9.000	Off	L1	9.8	17.9	46.0
3.718000	31.7	9.000	Off	L1	10.0	14.3	46.0
4.000000	32.2	9.000	Off	L1	10.0	13.8	46.0
4.068000	31.7	9.000	Off	L1	10.0	14.3	46.0
4.144000	32.2	9.000	Off	L1	10.0	13.8	46.0
4.450000	31.2	9.000	Off	L1	10.0	14.8	46.0
4.514000	31.0	9.000	Off	L1	10.0	15.0	46.0
11.950000	33.0	9.000	Off	L1	10.3	17.0	50.0
12.244000	34.0	9.000	Off	L1	10.3	16.0	50.0
12.260000	33.9	9.000	Off	L1	10.3	16.1	50.0
12.432000	34.1	9.000	Off	L1	10.3	15.9	50.0
12.462000	33.9	9.000	Off	L1	10.3	16.1	50.0
12.550000	33.8	9.000	Off	L1	10.3	16.2	50.0

2019-05-17 오전 9:50:44

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	06/08/2018	Annual	MY51110085
Agilent	N9020A / Signal Analyzer	06/08/2018	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	06/07/2018	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	06/08/2018	Annual	MY51110085
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	06/07/2018	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)	06/07/2018	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

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-1905-FC038-P