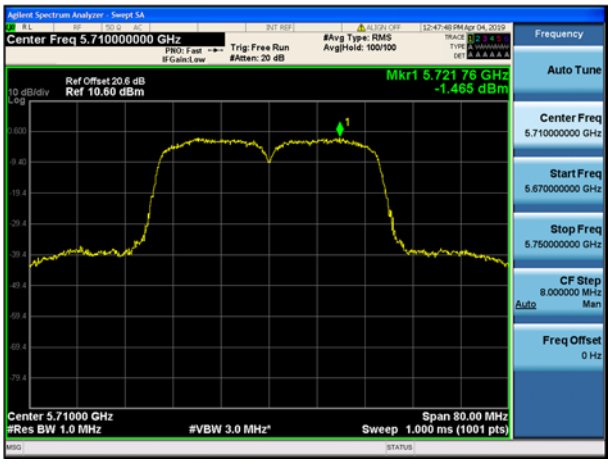
▣ Test Plots(802.11ac(VHT40))

Note:

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

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

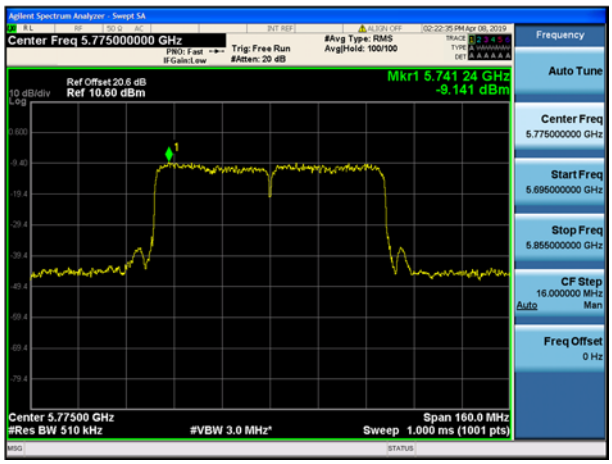
UNII 2C (Ch. 142)	UNII 3 (Ch. 151)
	

▣ 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. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210015.17	15.17
100%		-30	5210023.90	23.90
100%		-20	5210096.31	96.31
100%		-10	5210094.84	94.84
100%		0	5210090.56	90.56
100%		+10	5210051.39	51.39
100%		+30	5210008.52	8.52
100%		+40	5210078.15	78.15
100%		+50	5210070.83	70.83
End. Point	3.45	+20	5210099.86	99.86

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. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290058.68	58.68
100%		-30	5290024.06	24.06
100%		-20	5290091.53	91.53
100%		-10	5290035.21	35.21
100%		0	5290069.71	69.71
100%		+10	5290044.58	44.58
100%		+30	5290096.91	96.91
100%		+40	5290014.44	14.44
100%		+50	5290080.55	80.55
End. Point	3.45	+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. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530016.15	16.15
100%		-30	5530040.62	40.62
100%		-20	5530096.03	96.03
100%		-10	5530038.53	38.53
100%		0	5530013.48	13.48
100%		+10	5530009.06	9.06
100%		+30	5530056.36	56.36
100%		+40	5530074.29	74.29
100%		+50	5530083.96	83.96
End. Point	3.45	+20	5530067.27	67.27

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775002.87	2.87
100%		-30	5775087.09	87.09
100%		-20	5775061.41	61.41
100%		-10	5775069.73	69.73
100%		0	5775020.26	20.26
100%		+10	5775058.90	58.9
100%		+30	5775052.72	52.72
100%		+40	5775084.62	84.62
100%		+50	5775053.10	53.10
End. Point	3.45	+20	5775069.95	69.95

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.

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. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210022.58	22.58
100%		-30	5210043.26	43.26
100%		-20	5210097.24	97.24
100%		-10	5210003.46	3.46
100%		0	5210068.72	68.72
100%		+10	5210014.48	14.48
100%		+30	5210022.50	22.50
100%		+40	5210087.13	87.13
100%		+50	5210053.87	53.87
End. Point	3.45	+20	5210004.94	4.94

Note:

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

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,290,000,000 Hz

CHANNEL: 58

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290089.28	89.28
100%		-30	5290081.94	81.94
100%		-20	5290025.23	25.23
100%		-10	5290046.68	46.68
100%		0	5290092.42	92.42
100%		+10	5290025.04	25.04
100%		+30	5290029.15	29.15
100%		+40	5290049.88	49.88
100%		+50	5290062.66	62.66
End. Point	3.45	+20	5290035.29	35.29

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. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530036.49	36.49
100%		-30	5530098.40	98.40
100%		-20	5530092.25	92.25
100%		-10	5530024.23	24.23
100%		0	5530010.20	10.2
100%		+10	5530020.92	20.92
100%		+30	5530038.93	38.93
100%		+40	5530036.75	36.75
100%		+50	5530093.86	93.86
End. Point	3.45	+20	5530092.68	92.68

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. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775029.87	29.87
100%		-30	5775004.44	4.44
100%		-20	5775030.81	30.81
100%		-10	5775041.54	41.54
100%		0	5775036.37	36.37
100%		+10	5775077.69	77.69
100%		+30	5775040.77	40.77
100%		+40	5775095.76	95.76
100%		+50	5775046.57	46.57
End. Point	3.45	+20	5775016.94	16.94

Note:

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

5 minutes after the EUT is energized

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210051.09	51.09
100%		-30	5210066.47	66.47
100%		-20	5210079.49	79.49
100%		-10	5210057.21	57.21
100%		0	5210014.21	14.21
100%		+10	5210066.29	66.29
100%		+30	5210033.50	33.50
100%		+40	5210067.33	67.33
100%		+50	5210074.02	74.02
End. Point	3.45	+20	5210077.45	77.45

Note:

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

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,290,000,000 Hz

CHANNEL: 58

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290043.99	43.99
100%		-30	5290007.99	7.99
100%		-20	5290099.92	99.92
100%		-10	5290084.18	84.18
100%		0	5290031.75	31.75
100%		+10	5290027.39	27.39
100%		+30	5290079.11	79.11
100%		+40	5290009.51	9.51
100%		+50	5290087.84	87.84
End. Point	3.45	+20	5290080.08	80.08

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. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530035.42	35.42
100%		-30	5530060.85	60.85
100%		-20	5530056.19	56.19
100%		-10	5530068.49	68.49
100%		0	5530040.59	40.59
100%		+10	5530024.52	24.52
100%		+30	5530008.17	8.17
100%		+40	5530050.76	50.76
100%		+50	5530051.89	51.89
End. Point	3.45	+20	5530098.85	98.85

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. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775045.95	45.95
100%		-30	5775010.65	10.65
100%		-20	5775038.60	38.6
100%		-10	5775066.29	66.29
100%		0	5775021.55	21.55
100%		+10	5775023.77	23.77
100%		+30	5775044.96	44.96
100%		+40	5775083.18	83.18
100%		+50	5775010.30	10.30
End. Point	3.45	+20	5775048.53	48.53

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.

10 minutes after the EUT is energized

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5210024.47	24.47
100%		-30	5210019.62	19.62
100%		-20	5210058.49	58.49
100%		-10	5210028.45	28.45
100%		0	5210013.46	13.46
100%		+10	5210013.18	13.18
100%		+30	5210029.64	29.64
100%		+40	5210001.49	1.49
100%		+50	5210060.48	60.48
End. Point	3.45	+20	5210049.34	49.34

Note:

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

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,290,000,000 Hz

CHANNEL: 58

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5290052.95	52.95
100%		-30	5290043.93	43.93
100%		-20	5290065.08	65.08
100%		-10	5290019.44	19.44
100%		0	5290080.09	80.09
100%		+10	5290045.62	45.62
100%		+30	5290057.74	57.74
100%		+40	5290062.64	62.64
100%		+50	5290018.92	18.92
End. Point	3.45	+20	5290096.90	96.9

Note:

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

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5530052.40	52.40
100%		-30	5530013.28	13.28
100%		-20	5530047.53	47.53
100%		-10	5530088.86	88.86
100%		0	5530003.51	3.51
100%		+10	5530046.03	46.03
100%		+30	5530060.02	60.02
100%		+40	5530051.73	51.73
100%		+50	5530017.85	17.85
End. Point	3.45	+20	5530066.17	66.17

Note:

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

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5775074.65	74.65
100%		-30	5775009.92	9.92
100%		-20	5775020.95	20.95
100%		-10	5775084.28	84.28
100%		0	5775080.33	80.33
100%		+10	5775058.67	58.67
100%		+30	5775006.74	6.74
100%		+40	5775054.33	54.33
100%		+50	5775075.10	75.10
End. Point	3.45	+20	5775036.31	36.31

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	5709.20	15.80
802.11n(HT20)				5708.72	16.28
802.11ac(VHT20)				5708.80	16.20
802.11a	UNII 3	5720	144	5731.04	6.04
802.11n(HT20)				5731.52	6.52
802.11ac(VHT20)				5731.36	6.36

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	5689.76	35.24
802.11ac(VHT40)				5689.52	35.48
802.11n(HT40)	UNII 3	5710	142	5730.48	5.48
802.11ac(VHT40)				5731.36	6.36

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11ac(VHT80)	UNII 2C	5690	138	5646.64	78.36
	UNII 3	5690	138	5730.64	5.64

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	5728.32	3.32	> 0.5
802.11n(HT20)				5728.48	3.48	> 0.5
802.11ac(VHT20)				5728.24	3.24	> 0.5

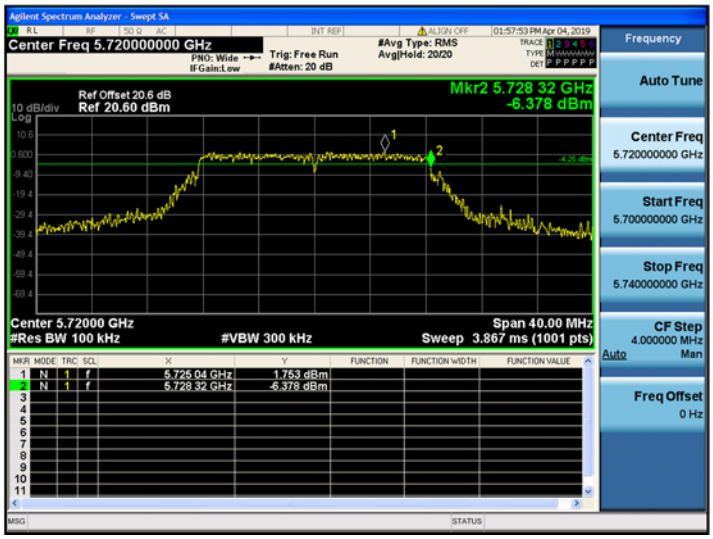
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5727.60	2.60	> 0.5
802.11ac(VHT40)				5727.60	2.60	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5727.76	2.76	> 0.5

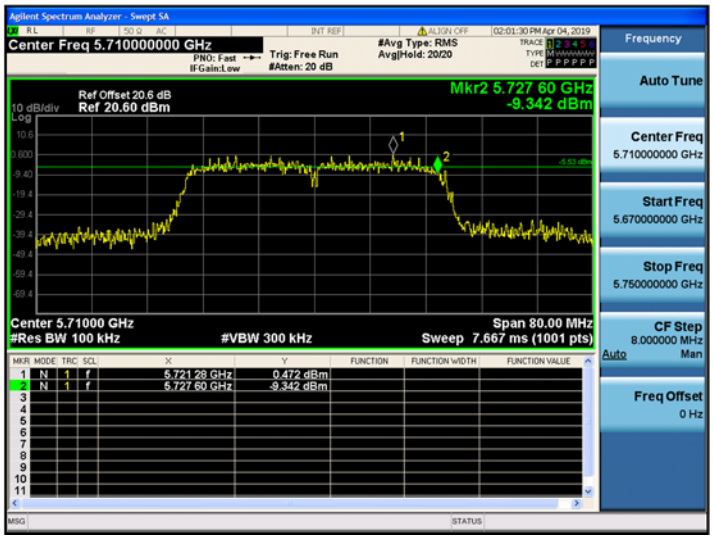
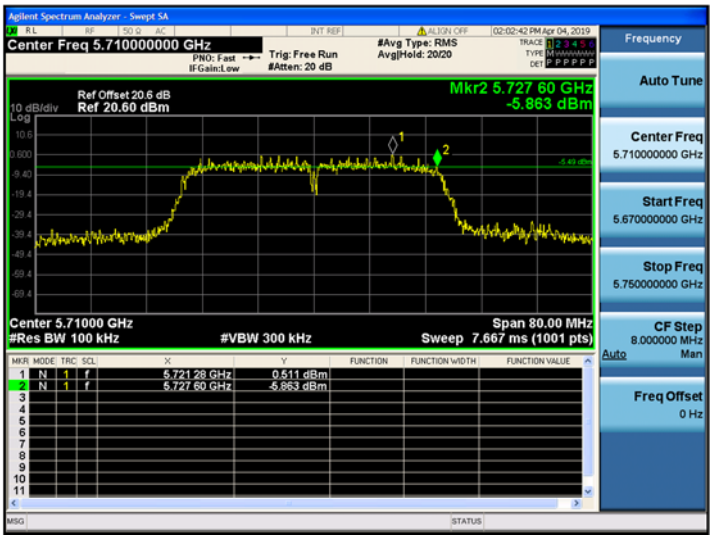
Note:

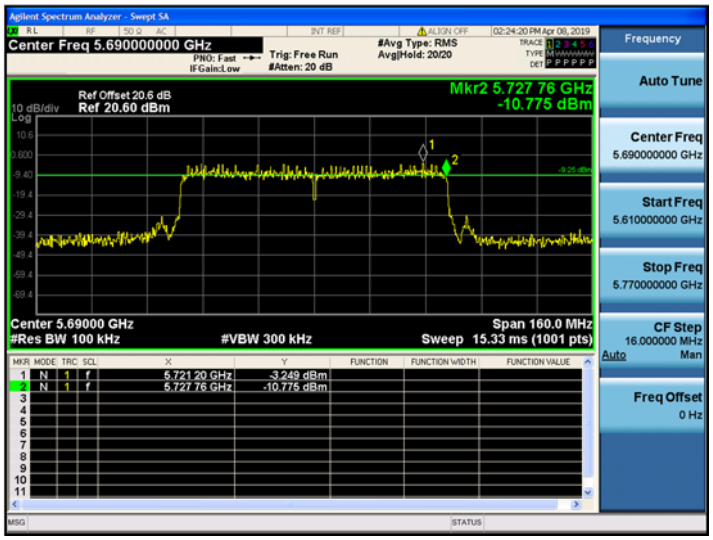
6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

▣ 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


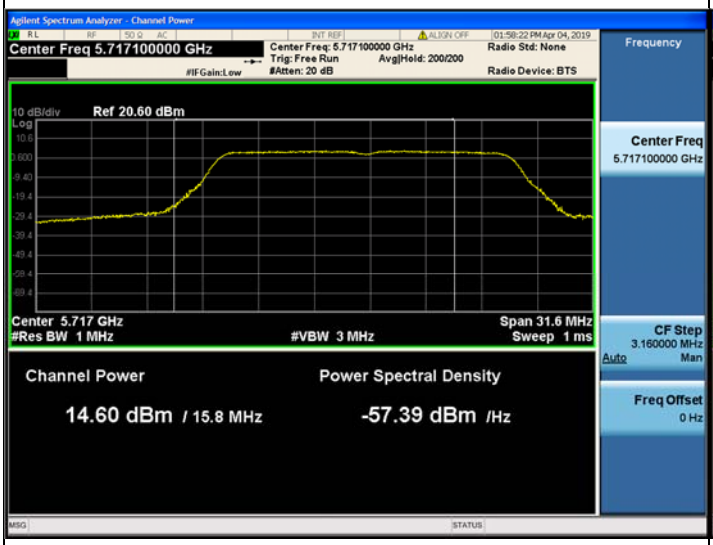
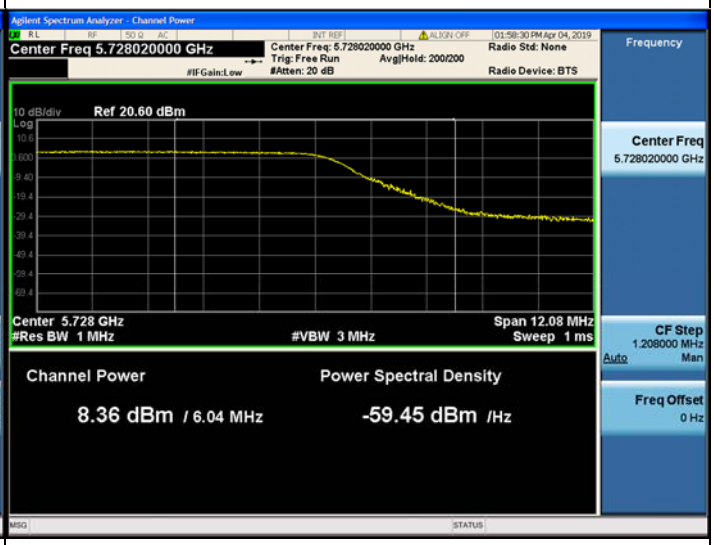
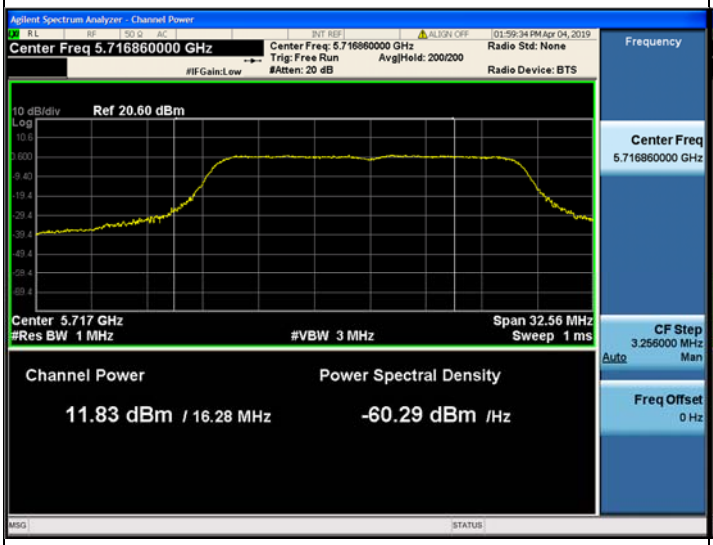
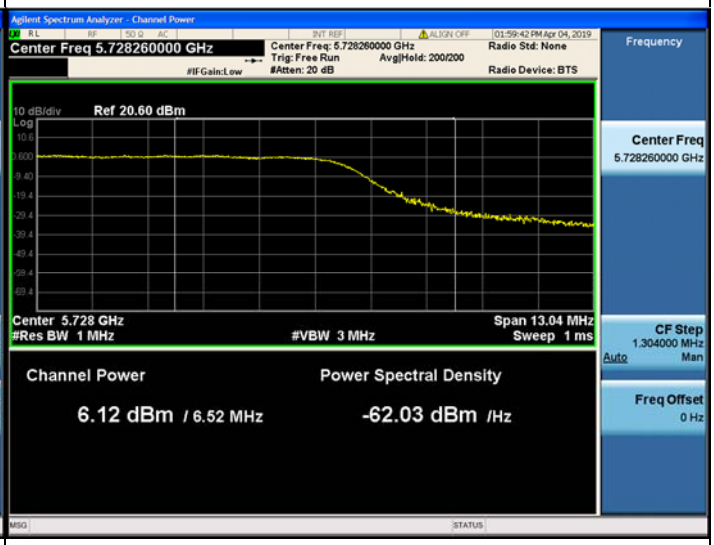
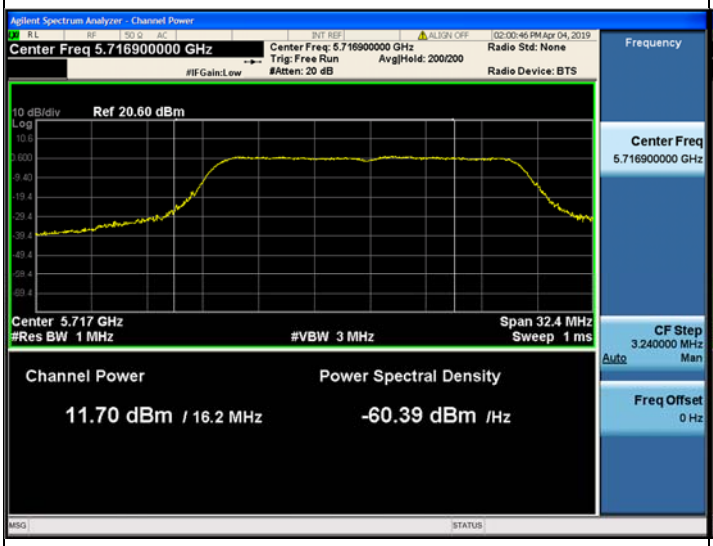
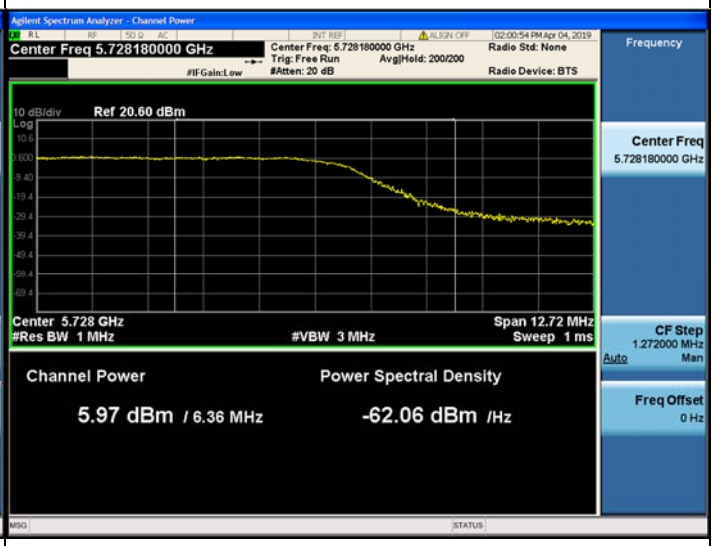
10.7.3 Output Power

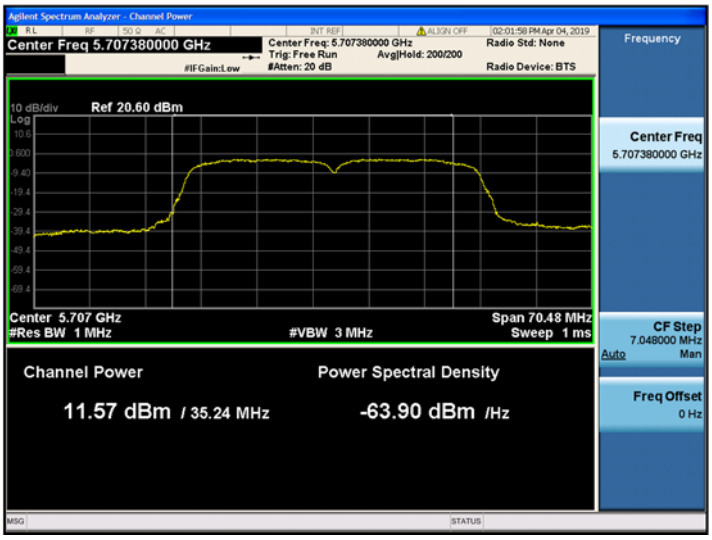
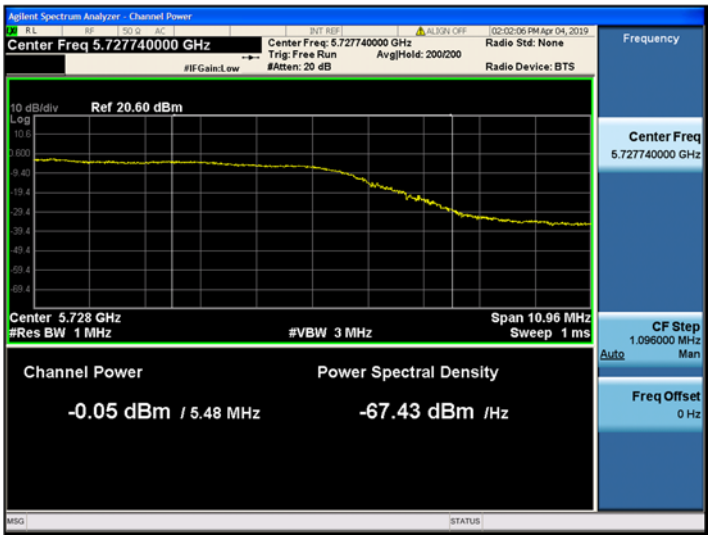
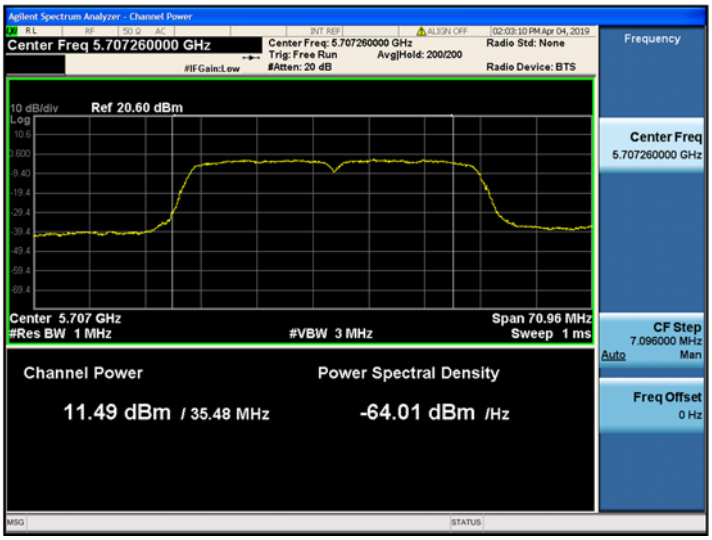
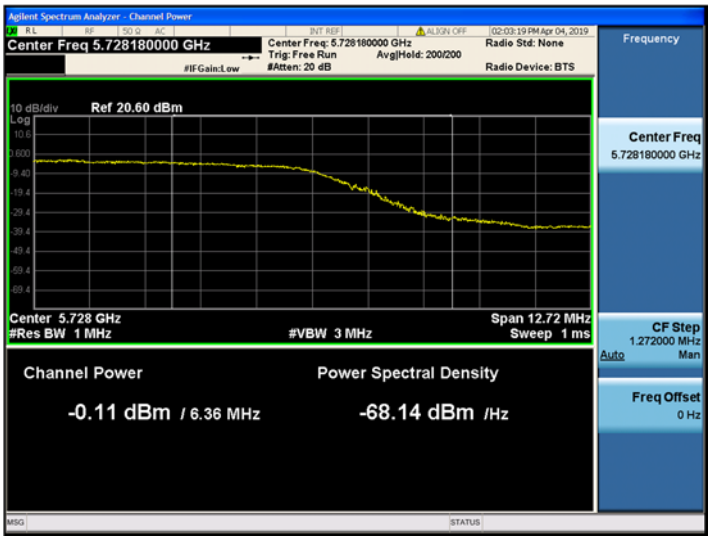
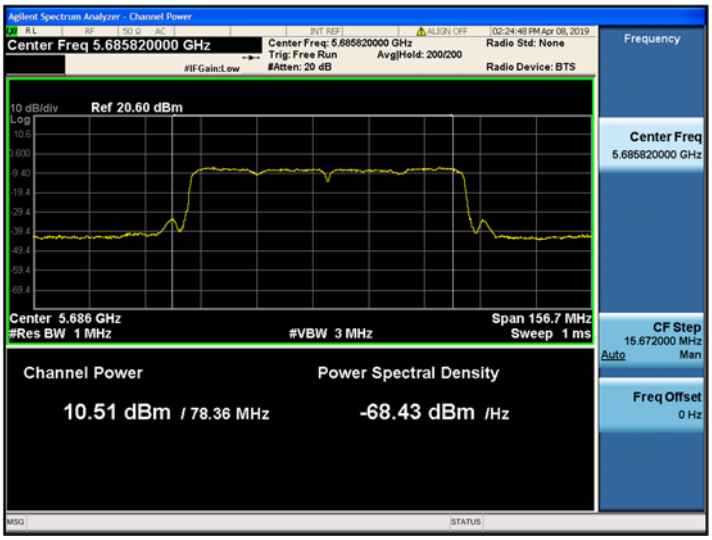
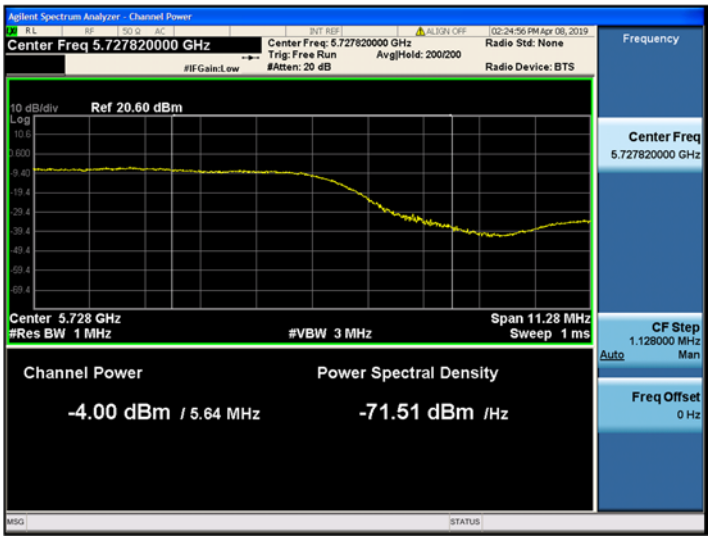
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	14.60	0.886	15.49	22.99
802.11n(HT20)			11.83	2.211	14.04	23.12
802.11ac(VHT20)			11.70	2.518	14.22	23.10
802.11a	5720 (UNII 3 Band)	144	8.36	0.886	9.25	30.00
802.11n(HT20)			6.12	2.211	8.33	30.00
802.11ac(VHT20)			5.97	2.518	8.49	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	11.57	2.458	14.03	23.98
802.11ac(VHT40)			11.49	2.437	13.93	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	-0.05	2.458	2.41	30.00
802.11ac(VHT40)			-0.11	2.437	2.33	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	10.51	2.727	13.24	23.98
	5690 (UNII 3 Band)	138	-4.00	2.727	-1.27	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**
	

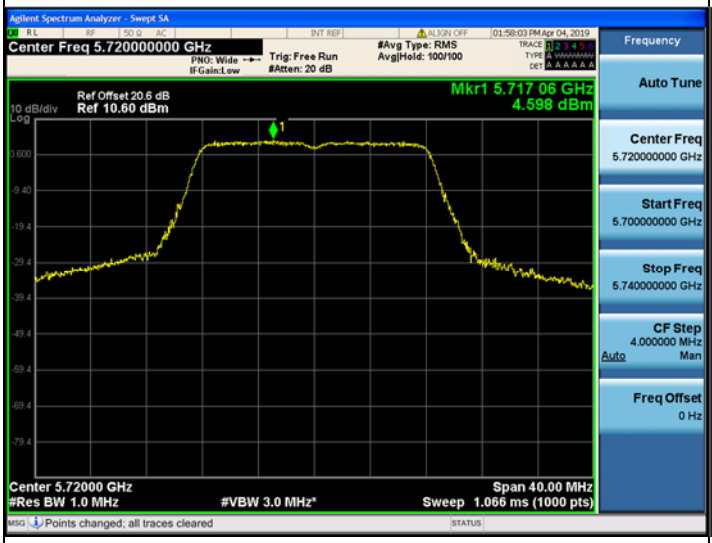
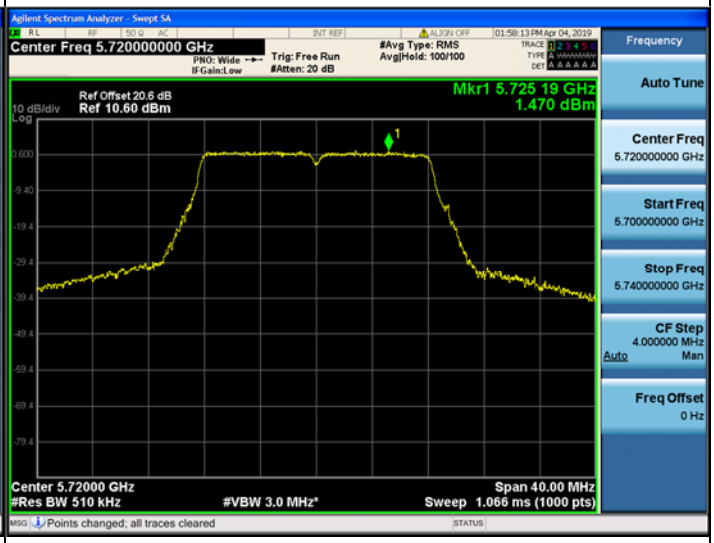
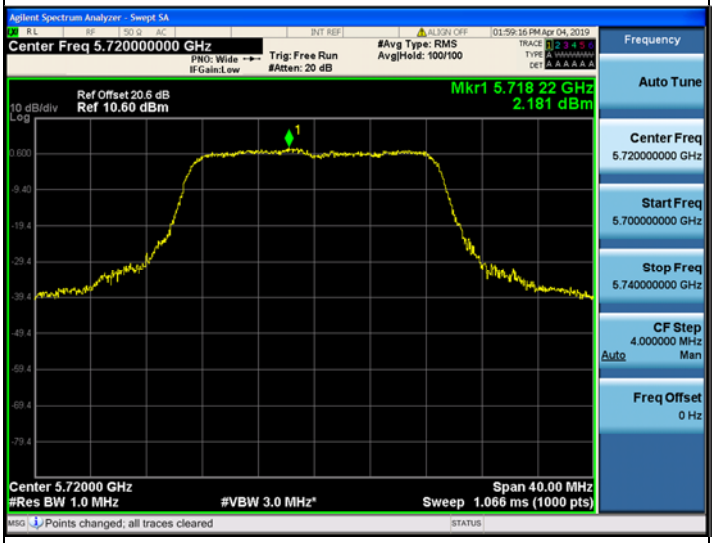
10.7.4 Power Spectral Density

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	4.598	0.886	5.484	11.00
802.11n(HT20)			2.181	2.211	4.391	11.00
802.11ac(VHT20)			2.041	2.518	4.559	11.00
802.11a	5720 (UNII 3 Band)	144	1.470	0.886	2.356	30.00
802.11n(HT20)			-1.315	2.211	0.896	30.00
802.11ac(VHT20)			-1.356	2.518	1.162	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	-1.891	2.458	0.567	11.00
802.11ac(VHT40)			-1.791	2.437	0.646	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-6.180	2.458	-3.722	30.00
802.11ac(VHT40)			-5.715	2.437	-3.278	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	-5.639	2.727	-2.912	11.00
	5690 (UNII 3 Band)	138	-11.502	2.727	-8.775	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
4. The test results for below 30 MHz is correlated to an open site.
   The result on OFS is about 2 dB higher than semi-anechoic chamber(10 m chamber)

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	54.05	-2.65	V	51.40	68.20	16.80	PK
15540	66.84	-1.94	V	64.90	73.98	9.08	PK
15540	51.13	-1.94	V	49.19	53.98	4.79	AV
10360	54.50	-2.65	H	51.85	68.20	16.35	PK
15540	65.98	-1.94	H	64.04	73.98	9.94	PK
15540	51.76	-1.94	H	49.82	53.98	4.16	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	55.08	-1.87	V	53.21	68.20	14.99	PK
15600	66.51	-3.09	V	63.42	73.98	10.56	PK
15600	52.61	-3.09	V	49.52	53.98	4.46	AV
10400	54.89	-1.87	H	53.02	68.20	15.18	PK
15600	67.73	-3.09	H	64.64	73.98	9.34	PK
15600	52.92	-3.09	H	49.83	53.98	4.15	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	55.60	-3.26	V	52.34	68.20	15.86	PK
15720	66.31	-3.27	V	63.04	73.98	10.94	PK
15720	52.07	-3.27	V	48.80	53.98	5.18	AV
10480	55.19	-3.26	H	51.93	68.20	16.27	PK
15720	67.12	-3.27	H	63.85	73.98	10.13	PK
15720	53.04	-3.27	H	49.77	53.98	4.21	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	54.22	-2.65	V	51.57	68.20	16.63	PK
15540	66.79	-1.94	V	64.85	73.98	9.13	PK
15540	50.35	-1.94	V	48.41	53.98	5.57	AV
10360	54.51	-2.65	H	51.86	68.20	16.34	PK
15540	68.32	-1.94	H	66.38	73.98	7.60	PK
15540	51.99	-1.94	H	50.05	53.98	3.93	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	55.15	-1.87	V	53.28	68.20	14.92	PK
15600	67.01	-3.09	V	63.92	73.98	10.06	PK
15600	51.05	-3.09	V	47.96	53.98	6.02	AV
10400	54.68	-1.87	H	52.81	68.20	15.39	PK
15600	67.51	-3.09	H	64.42	73.98	9.56	PK
15600	51.64	-3.09	H	48.55	53.98	5.43	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	55.33	-3.26	V	52.07	68.20	16.13	PK
15720	64.17	-3.27	V	60.90	73.98	13.08	PK
15720	48.25	-3.27	V	44.98	53.98	9.00	AV
10480	55.64	-3.26	H	52.38	68.20	15.82	PK
15720	65.81	-3.27	H	62.54	73.98	11.44	PK
15720	49.77	-3.27	H	46.50	53.98	7.48	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	53.34	-2.65	V	50.69	68.20	17.51	PK
15540	66.19	-1.94	V	64.25	73.98	9.73	PK
15540	50.85	-1.94	V	48.91	53.98	5.07	AV
10360	54.00	-2.65	H	51.35	68.20	16.85	PK
15540	67.94	-1.94	H	66.00	73.98	7.98	PK
15540	52.49	-1.94	H	50.55	53.98	3.43	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	55.20	-1.87	V	53.33	68.20	14.87	PK
15600	66.29	-3.09	V	63.20	73.98	10.78	PK
15600	51.64	-3.09	V	48.55	53.98	5.43	AV
10400	54.69	-1.87	H	52.82	68.20	15.38	PK
15600	66.90	-3.09	H	63.81	73.98	10.17	PK
15600	51.97	-3.09	H	48.88	53.98	5.10	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	55.39	-3.26	V	52.13	68.20	16.07	PK
15720	64.27	-3.27	V	61.00	73.98	12.98	PK
15720	49.15	-3.27	V	45.88	53.98	8.10	AV
10480	55.49	-3.26	H	52.23	68.20	15.97	PK
15720	64.93	-3.27	H	61.66	73.98	12.32	PK
15720	49.34	-3.27	H	46.07	53.98	7.91	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]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	54.76	-2.37	V	52.39	68.20	15.81	PK
15570	59.89	-3.21	V	56.68	73.98	17.30	PK
15570	46.32	-3.21	V	43.11	53.98	10.87	AV
10380	54.95	-2.37	H	52.58	68.20	15.62	PK
15570	62.30	-3.21	H	59.09	73.98	14.89	PK
15570	48.11	-3.21	H	44.90	53.98	9.08	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	54.77	-3.06	V	51.71	68.20	16.49	PK
15690	61.28	-2.89	V	58.39	73.98	15.59	PK
15690	47.43	-2.89	V	44.54	53.98	9.44	AV
10460	55.05	-3.06	H	51.99	68.20	16.21	PK
15690	61.68	-2.89	H	58.79	73.98	15.19	PK
15690	47.51	-2.89	H	44.62	53.98	9.36	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	54.61	-2.37	V	52.24	68.20	15.96	PK
15570	61.68	-3.21	V	58.47	73.98	15.51	PK
15570	46.77	-3.21	V	43.56	53.98	10.42	AV
10380	54.85	-2.37	H	52.48	68.20	15.72	PK
15570	63.30	-3.21	H	60.09	73.98	13.89	PK
15570	47.83	-3.21	H	44.62	53.98	9.36	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	54.33	-3.06	V	51.27	68.20	16.93	PK
15690	62.48	-2.89	V	59.59	73.98	14.39	PK
15690	46.85	-2.89	V	43.96	53.98	10.02	AV
10460	54.99	-3.06	H	51.93	68.20	16.27	PK
15690	62.53	-2.89	H	59.64	73.98	14.34	PK
15690	46.99	-2.89	H	44.10	53.98	9.88	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	53.76	-2.57	V	51.19	68.20	17.01	PK
15630	56.46	-3.60	V	52.86	73.98	21.12	PK
15630	43.58	-3.60	V	39.98	53.98	14.00	AV
10420	54.06	-2.57	H	51.49	68.20	16.71	PK
15630	56.94	-3.60	H	53.34	73.98	20.64	PK
15630	44.00	-3.60	H	40.40	53.98	13.58	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	55.50	-3.16	V	52.34	68.20	15.86	PK
15780	67.85	-3.15	V	64.70	73.98	9.28	PK
15780	53.54	-3.15	V	50.39	53.98	3.59	AV
10520	55.01	-3.16	H	51.85	68.20	16.35	PK
15780	68.03	-3.15	H	64.88	73.98	9.10	PK
15780	52.75	-3.15	H	49.60	53.98	4.38	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	54.78	-2.95	V	51.83	73.98	22.15	PK
10600	44.87	-2.95	V	41.92	53.98	12.06	AV
15900	66.01	-4.05	V	61.96	73.98	12.02	PK
15900	51.46	-4.05	V	47.41	53.98	6.57	AV
10600	54.32	-2.95	H	51.37	73.98	22.61	PK
10600	44.69	-2.95	H	41.74	53.98	12.24	AV
15900	66.14	-4.05	H	62.09	73.98	11.89	PK
15900	51.74	-4.05	H	47.69	53.98	6.29	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	-2.94	V	50.40	73.98	23.58	PK
10640	43.90	-2.94	V	40.96	53.98	13.02	AV
15960	64.99	-3.62	V	61.37	73.98	12.61	PK
15960	50.07	-3.62	V	46.45	53.98	7.53	AV
10640	52.77	-2.94	H	49.83	73.98	24.15	PK
10640	43.65	-2.94	H	40.71	53.98	13.27	AV
15960	65.87	-3.62	H	62.25	73.98	11.73	PK
15960	52.32	-3.62	H	48.70	53.98	5.28	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	55.60	-3.16	V	52.44	68.20	15.76	PK
15780	66.26	-3.15	V	63.11	73.98	10.87	PK
15780	51.09	-3.15	V	47.94	53.98	6.04	AV
10520	54.63	-3.16	H	51.47	68.20	16.73	PK
15780	64.23	-3.15	H	61.08	73.98	12.90	PK
15780	49.75	-3.15	H	46.60	53.98	7.38	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	55.41	-2.95	V	52.46	73.98	21.52	PK
10600	44.81	-2.95	V	41.86	53.98	12.12	AV
15900	63.55	-4.05	V	59.50	73.98	14.48	PK
15900	48.67	-4.05	V	44.62	53.98	9.36	AV
10600	54.85	-2.95	H	51.90	73.98	22.08	PK
10600	44.67	-2.95	H	41.72	53.98	12.26	AV
15900	64.05	-4.05	H	60.00	73.98	13.98	PK
15900	48.85	-4.05	H	44.80	53.98	9.18	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	55.00	-2.94	V	52.06	73.98	21.92	PK
10640	43.92	-2.94	V	40.98	53.98	13.00	AV
15960	62.85	-3.62	V	59.23	73.98	14.75	PK
15960	48.25	-3.62	V	44.63	53.98	9.35	AV
10640	54.31	-2.94	H	51.37	73.98	22.61	PK
10640	43.75	-2.94	H	40.81	53.98	13.17	AV
15960	64.63	-3.62	H	61.01	73.98	12.97	PK
15960	49.30	-3.62	H	45.68	53.98	8.30	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	54.92	-3.16	V	51.76	68.20	16.44	PK
15780	65.84	-3.15	V	62.69	73.98	11.29	PK
15780	50.47	-3.15	V	47.32	53.98	6.66	AV
10520	54.12	-3.16	H	50.96	68.20	17.24	PK
15780	64.88	-3.15	H	61.73	73.98	12.25	PK
15780	49.82	-3.15	H	46.67	53.98	7.31	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	54.46	-2.95	V	51.51	73.98	22.47	PK
10600	44.87	-2.95	V	41.92	53.98	12.06	AV
15900	62.86	-4.05	V	58.81	73.98	15.17	PK
15900	48.31	-4.05	V	44.26	53.98	9.72	AV
10600	53.77	-2.95	H	50.82	73.98	23.16	PK
10600	44.70	-2.95	H	41.75	53.98	12.23	AV
15900	63.86	-4.05	H	59.81	73.98	14.17	PK
15900	48.66	-4.05	H	44.61	53.98	9.37	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	53.65	-2.94	V	50.71	73.98	23.27	PK
10640	43.86	-2.94	V	40.92	53.98	13.06	AV
15960	61.66	-3.62	V	58.04	73.98	15.94	PK
15960	45.82	-3.62	V	42.20	53.98	11.78	AV
10640	53.10	-2.94	H	50.16	73.98	23.82	PK
10640	43.70	-2.94	H	40.76	53.98	13.22	AV
15960	64.90	-3.62	H	61.28	73.98	12.70	PK
15960	49.21	-3.62	H	45.59	53.98	8.39	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	54.45	-2.72	V	51.73	68.20	16.47	PK
15810	62.51	-3.71	V	58.80	73.98	15.18	PK
15810	47.68	-3.71	V	43.97	53.98	10.01	AV
10540	54.13	-2.72	H	51.41	68.20	16.79	PK
15810	60.52	-3.71	H	56.81	73.98	17.17	PK
15810	46.09	-3.71	H	42.38	53.98	11.60	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	53.88	-3.11	V	50.77	73.98	23.21	PK
10620	45.61	-3.11	V	42.50	53.98	11.48	AV
15930	56.99	-4.27	V	52.72	73.98	21.26	PK
15930	42.31	-4.27	V	38.04	53.98	15.94	AV
10620	54.66	-3.11	H	51.55	73.98	22.43	PK
10620	45.71	-3.11	H	42.60	53.98	11.38	AV
15930	57.68	-4.27	H	53.41	73.98	20.57	PK
15930	42.57	-4.27	H	38.30	53.98	15.68	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	54.93	-2.72	V	52.21	68.20	15.99	PK
15810	62.68	-3.71	V	58.97	73.98	15.01	PK
15810	47.29	-3.71	V	43.58	53.98	10.40	AV
10540	54.67	-2.72	H	51.95	68.20	16.25	PK
15810	61.32	-3.71	H	57.61	73.98	16.37	PK
15810	45.91	-3.71	H	42.20	53.98	11.78	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	54.65	-3.11	V	51.54	73.98	22.44	PK
10620	45.35	-3.11	V	42.24	53.98	11.74	AV
15930	55.99	-4.27	V	51.72	73.98	22.26	PK
15930	42.11	-4.27	V	37.84	53.98	16.14	AV
10620	54.78	-3.11	H	51.67	73.98	22.31	PK
10620	45.65	-3.11	H	42.54	53.98	11.44	AV
15930	56.22	-4.27	H	51.95	73.98	22.03	PK
15930	42.49	-4.27	H	38.22	53.98	15.76	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	54.18	-2.88	V	51.30	68.20	16.90	PK
15870	56.94	-4.22	V	52.72	73.98	21.26	PK
15870	42.47	-4.22	V	38.25	53.98	15.73	AV
10580	53.85	-2.88	H	50.97	68.20	17.23	PK
15870	55.39	-4.22	H	51.17	73.98	22.81	PK
15870	42.08	-4.22	H	37.86	53.98	16.12	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	54.67	-1.71	V	52.96	73.98	21.02	PK
11000	45.14	-1.71	V	43.43	53.98	10.55	AV
16500	61.49	-1.82	V	59.67	68.20	8.53	PK
11000	52.40	-1.71	H	50.69	73.98	23.29	PK
11000	40.86	-1.71	H	39.15	53.98	14.83	AV
16500	52.89	-1.82	H	51.07	68.20	17.13	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	54.22	-2.04	V	52.18	73.98	21.80	PK
11200	45.01	-2.04	V	42.97	53.98	11.01	AV
16800	55.19	0.84	V	56.03	68.20	12.17	PK
11200	53.73	-2.04	H	51.69	73.98	22.29	PK
11200	43.93	-2.04	H	41.89	53.98	12.09	AV
16800	54.30	0.84	H	55.14	68.20	13.06	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	53.30	-1.48	V	51.82	73.98	22.16	PK
11440	44.36	-1.48	V	42.88	53.98	11.10	AV
17160	55.66	2.48	V	58.14	68.20	10.06	PK
11440	53.55	-1.48	H	52.07	73.98	21.91	PK
11440	45.01	-1.48	H	43.53	53.98	10.45	AV
17160	55.02	2.48	H	57.50	68.20	10.70	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	53.92	-1.71	V	52.21	73.98	21.77	PK
11000	45.01	-1.71	V	43.30	53.98	10.68	AV
16500	59.42	-1.82	V	57.60	68.20	10.60	PK
11000	53.67	-1.71	H	51.96	73.98	22.02	PK
11000	44.87	-1.71	H	43.16	53.98	10.82	AV
16500	59.12	-1.82	H	57.30	68.20	10.90	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	54.33	-2.04	V	52.29	73.98	21.69	PK
11200	45.31	-2.04	V	43.27	53.98	10.71	AV
16800	54.23	0.84	V	55.07	68.20	13.13	PK
11200	53.88	-2.04	H	51.84	73.98	22.14	PK
11200	45.14	-2.04	H	43.10	53.98	10.88	AV
16800	53.89	0.84	H	54.73	68.20	13.47	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	53.78	-1.48	V	52.30	73.98	21.68	PK
11440	44.79	-1.48	V	43.31	53.98	10.67	AV
17160	53.16	2.48	V	55.64	68.20	12.56	PK
11440	53.87	-1.48	H	52.39	73.98	21.59	PK
11440	45.05	-1.48	H	43.57	53.98	10.41	AV
17160	52.91	2.48	H	55.39	68.20	12.81	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	54.84	-1.71	V	53.13	73.98	20.85	PK
11000	45.28	-1.71	V	43.57	53.98	10.41	AV
16500	59.89	-1.82	V	58.07	68.20	10.13	PK
11000	54.33	-1.71	H	52.62	73.98	21.36	PK
11000	45.17	-1.71	H	43.46	53.98	10.52	AV
16500	59.65	-1.82	H	57.83	68.20	10.37	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	54.56	-2.04	V	52.52	73.98	21.46	PK
11200	45.42	-2.04	V	43.38	53.98	10.60	AV
16800	54.01	0.84	V	54.85	68.20	13.35	PK
11200	53.81	-2.04	H	51.77	73.98	22.21	PK
11200	45.01	-2.04	H	42.97	53.98	11.01	AV
16800	53.76	0.84	H	54.60	68.20	13.60	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	53.25	-1.48	V	51.77	73.98	22.21	PK
11440	44.78	-1.48	V	43.30	53.98	10.68	AV
17160	53.61	2.48	V	56.09	68.20	12.11	PK
11440	53.50	-1.48	H	52.02	73.98	21.96	PK
11440	45.16	-1.48	H	43.68	53.98	10.30	AV
17160	53.35	2.48	H	55.83	68.20	12.37	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	52.85	-1.51	V	51.34	73.98	22.64	PK
11020	44.42	-1.51	V	42.91	53.98	11.07	AV
16530	54.32	-2.25	V	52.07	68.20	16.13	PK
11020	52.44	-1.51	H	50.93	73.98	23.05	PK
11020	44.25	-1.51	H	42.74	53.98	11.24	AV
16530	53.88	-2.25	H	51.63	68.20	16.57	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	54.29	-1.73	V	52.56	73.98	21.42	PK
11180	45.68	-1.73	V	43.95	53.98	10.03	AV
16770	52.21	-1.41	V	50.80	68.20	17.40	PK
11180	54.08	-1.73	H	52.35	73.98	21.63	PK
11180	45.36	-1.73	H	43.63	53.98	10.35	AV
16770	51.79	-1.41	H	50.38	68.20	17.82	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	53.88	-1.42	V	52.46	73.98	21.52	PK
11420	45.74	-1.42	V	44.32	53.98	9.66	AV
17130	52.61	2.14	V	54.75	68.20	13.45	PK
11420	54.14	-1.42	H	52.72	73.98	21.26	PK
11420	46.02	-1.42	H	44.60	53.98	9.38	AV
17130	52.40	2.14	H	54.54	68.20	13.66	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	53.84	-1.51	V	52.33	73.98	21.65	PK
11020	44.79	-1.51	V	43.28	53.98	10.70	AV
16530	53.16	-2.25	V	50.91	68.20	17.29	PK
11020	53.55	-1.51	H	52.04	73.98	21.94	PK
11020	44.67	-1.51	H	43.16	53.98	10.82	AV
16530	52.89	-2.25	H	50.64	68.20	17.56	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	54.95	-1.73	V	53.22	73.98	20.76	PK
11180	45.55	-1.73	V	43.82	53.98	10.16	AV
16770	51.69	-1.41	V	50.28	68.20	17.92	PK
11180	54.44	-1.73	H	52.71	73.98	21.27	PK
11180	45.47	-1.73	H	43.74	53.98	10.24	AV
16770	50.89	-1.41	H	49.48	68.20	18.72	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	53.78	-1.42	V	52.36	73.98	21.62	PK
11420	45.59	-1.42	V	44.17	53.98	9.81	AV
17130	52.54	2.14	V	54.68	68.20	13.52	PK
11420	54.44	-1.42	H	53.02	73.98	20.96	PK
11420	46.11	-1.42	H	44.69	53.98	9.29	AV
17130	52.19	2.14	H	54.33	68.20	13.87	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	54.29	-1.56	V	52.73	73.98	21.25	PK
11060	46.56	-1.56	V	45.00	53.98	8.98	AV
16590	52.45	-2.06	V	50.39	68.20	17.81	PK
11060	53.88	-1.56	H	52.32	73.98	21.66	PK
11060	46.44	-1.56	H	44.88	53.98	9.10	AV
16590	52.30	-2.06	H	50.24	68.20	17.96	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	54.53	-2.33	V	52.20	73.98	21.78	PK
11220	45.35	-2.33	V	43.02	53.98	10.96	AV
16830	51.79	0.65	V	52.44	68.20	15.76	PK
11220	54.28	-2.33	H	51.95	73.98	22.03	PK
11220	44.85	-2.33	H	42.52	53.98	11.46	AV
16830	51.64	0.65	H	52.29	68.20	15.91	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	53.80	-1.62	V	52.18	73.98	21.80	PK
11380	44.11	-1.62	V	42.49	53.98	11.49	AV
17070	53.02	1.78	V	54.80	68.20	13.40	PK
11380	54.78	-1.62	H	53.16	73.98	20.82	PK
11380	44.53	-1.62	H	42.91	53.98	11.07	AV
17070	52.79	1.78	H	54.57	68.20	13.63	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	52.99	-1.77	V	51.22	73.98	22.76	PK
11490	45.31	-1.77	V	43.54	53.98	10.44	AV
17235	56.69	2.87	V	59.56	68.20	8.64	PK
11490	53.87	-1.77	H	52.10	73.98	21.88	PK
11490	45.62	-1.77	H	43.85	53.98	10.13	AV
17235	56.76	2.87	H	59.63	68.20	8.57	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	54.19	-1.83	V	52.36	73.98	21.62	PK
11570	45.88	-1.83	V	44.05	53.98	9.93	AV
17355	55.93	3.26	V	59.19	68.20	9.02	PK
11570	54.57	-1.83	H	52.74	73.98	21.24	PK
11570	46.00	-1.83	H	44.17	53.98	9.81	AV
17355	56.83	3.26	H	60.09	68.20	8.12	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	55.38	-2.26	V	53.12	73.98	20.86	PK
11650	47.85	-2.26	V	45.59	53.98	8.39	AV
17475	57.12	4.47	V	61.59	68.20	6.62	PK
11650	55.67	-2.26	H	53.41	73.98	20.57	PK
11650	47.96	-2.26	H	45.70	53.98	8.28	AV
17475	57.47	4.47	H	61.94	68.20	6.27	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	53.29	-1.77	V	51.52	73.98	22.46	PK
11490	45.74	-1.77	V	43.97	53.98	10.01	AV
17235	54.75	2.87	V	57.62	68.20	10.58	PK
11490	53.99	-1.77	H	52.22	73.98	21.76	PK
11490	45.81	-1.77	H	44.04	53.98	9.94	AV
17235	55.05	2.87	H	57.92	68.20	10.28	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	53.88	-1.83	V	52.05	73.98	21.93	PK
11570	46.11	-1.83	V	44.28	53.98	9.70	AV
17355	55.74	3.26	V	59.00	68.20	9.21	PK
11570	54.16	-1.83	H	52.33	73.98	21.65	PK
11570	46.29	-1.83	H	44.46	53.98	9.52	AV
17355	56.17	3.26	H	59.43	68.20	8.78	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	54.96	-2.26	V	52.70	73.98	21.28	PK
11650	47.55	-2.26	V	45.29	53.98	8.69	AV
17475	56.28	4.47	V	60.75	68.20	7.46	PK
11650	55.61	-2.26	H	53.35	73.98	20.63	PK
11650	48.15	-2.26	H	45.89	53.98	8.09	AV
17475	56.85	4.47	H	61.32	68.20	6.89	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	53.46	-1.77	V	51.69	73.98	22.29	PK
11490	45.66	-1.77	V	43.89	53.98	10.09	AV
17235	53.99	2.87	V	56.86	68.20	11.34	PK
11490	53.94	-1.77	H	52.17	73.98	21.81	PK
11490	45.72	-1.77	H	43.95	53.98	10.03	AV
17235	54.60	2.87	H	57.47	68.20	10.73	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	53.75	-1.83	V	51.92	73.98	22.06	PK
11570	45.78	-1.83	V	43.95	53.98	10.03	AV
17355	55.58	3.26	V	58.84	68.20	9.37	PK
11570	54.03	-1.83	H	52.20	73.98	21.78	PK
11570	46.04	-1.83	H	44.21	53.98	9.77	AV
17355	56.09	3.26	H	59.35	68.20	8.86	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	54.78	-2.26	V	52.52	73.98	21.46	PK
11650	47.99	-2.26	V	45.73	53.98	8.25	AV
17475	55.95	4.47	V	60.42	68.20	7.79	PK
11650	55.80	-2.26	H	53.54	73.98	20.44	PK
11650	48.25	-2.26	H	45.99	53.98	7.99	AV
17475	56.90	4.47	H	61.37	68.20	6.84	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	53.89	-1.53	V	52.36	73.98	21.62	PK
11510	46.15	-1.53	V	44.62	53.98	9.36	AV
17265	52.65	2.80	V	55.45	68.20	12.76	PK
11510	54.14	-1.53	H	52.61	73.98	21.37	PK
11510	46.44	-1.53	H	44.91	53.98	9.07	AV
17265	52.88	2.80	H	55.68	68.20	12.53	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	53.99	-1.80	V	52.19	73.98	21.79	PK
11590	47.35	-1.80	V	45.55	53.98	8.43	AV
17385	52.79	3.52	V	56.31	68.20	11.89	PK
11590	54.81	-1.80	H	53.01	73.98	20.97	PK
11590	47.43	-1.80	H	45.63	53.98	8.35	AV
17385	53.17	3.52	H	56.69	68.20	11.51	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	52.79	-1.53	V	51.26	73.98	22.72	PK
11510	46.25	-1.53	V	44.72	53.98	9.26	AV
17265	52.94	2.80	V	55.74	68.20	12.47	PK
11510	53.73	-1.53	H	52.20	73.98	21.78	PK
11510	46.49	-1.53	H	44.96	53.98	9.02	AV
17265	53.19	2.80	H	55.99	68.20	12.22	PK

Band :	UNII 3
Operation Mode:	802.11 ac(VHT40)
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

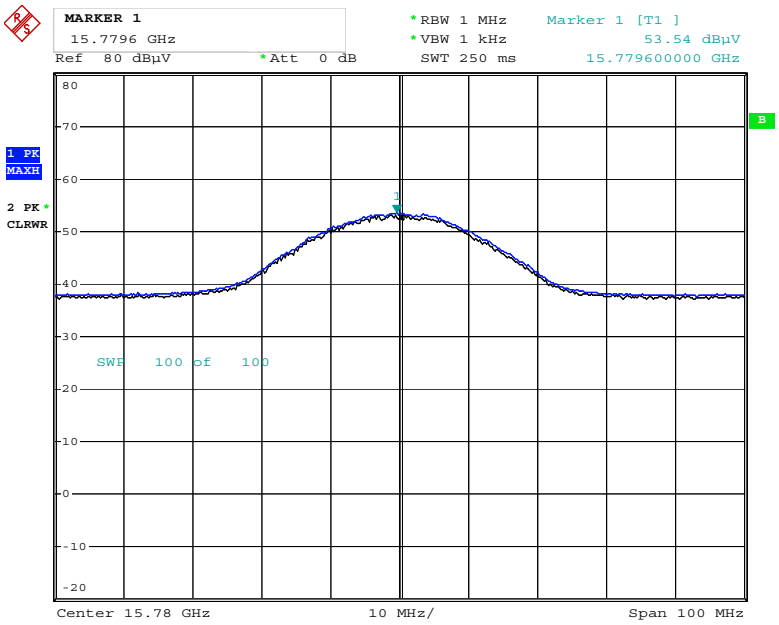
Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	54.81	-1.80	V	53.01	73.98	20.97	PK
11590	47.28	-1.80	V	45.48	53.98	8.50	AV
17385	52.80	3.52	V	56.32	68.20	11.88	PK
11590	54.84	-1.80	H	53.04	73.98	20.94	PK
11590	47.44	-1.80	H	45.64	53.98	8.34	AV
17385	53.59	3.52	H	57.11	68.20	11.09	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	53.61	-1.20	V	52.41	73.98	21.57	PK
11550	46.55	-1.20	V	45.35	53.98	8.63	AV
17325	52.08	3.52	V	55.60	68.20	12.61	PK
11550	54.83	-1.20	H	53.63	73.98	20.35	PK
11550	47.30	-1.20	H	46.10	53.98	7.88	AV
17325	52.71	3.52	H	56.23	68.20	11.98	PK

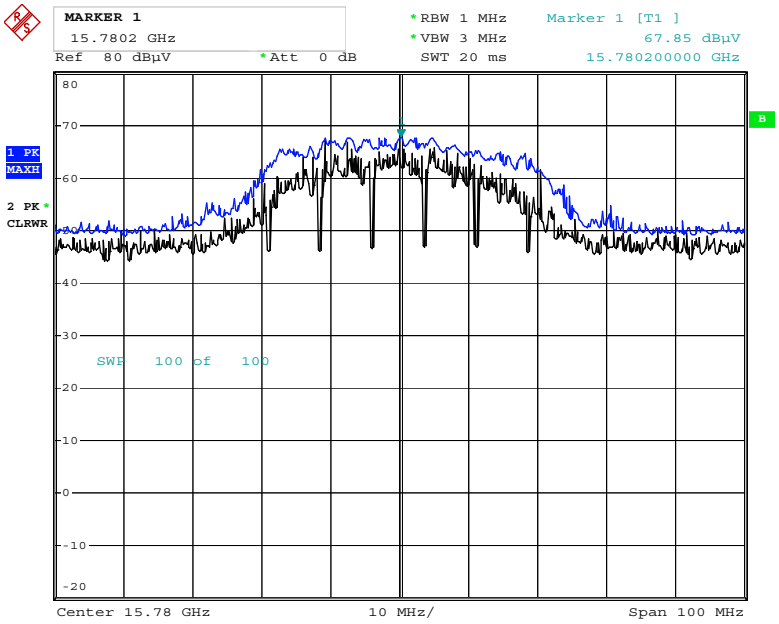
▣ Test Plots

Average Reading(802.11a, Ch.52 3rd Harmonic, Y-V)



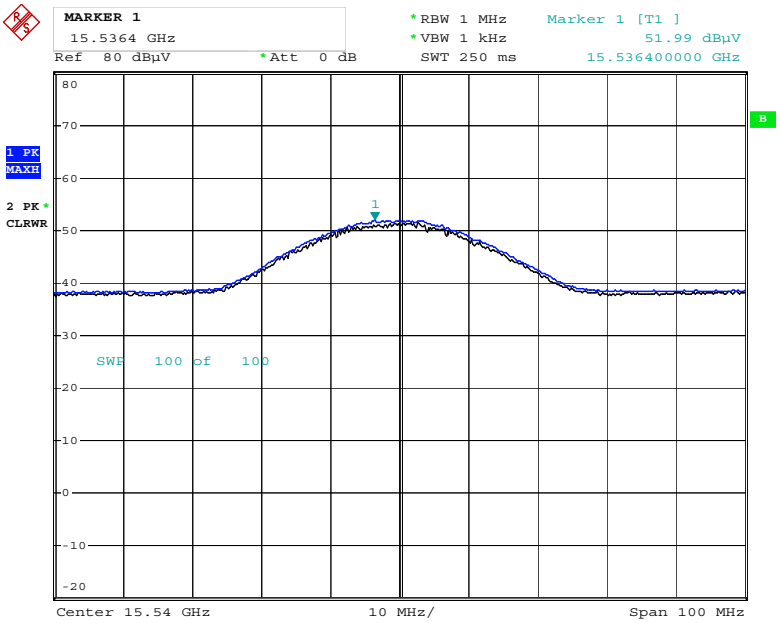
Date: 2.APR.2019 09:44:55

Peak Reading (802.11a, Ch.52 3rd Harmonic, Y-V)



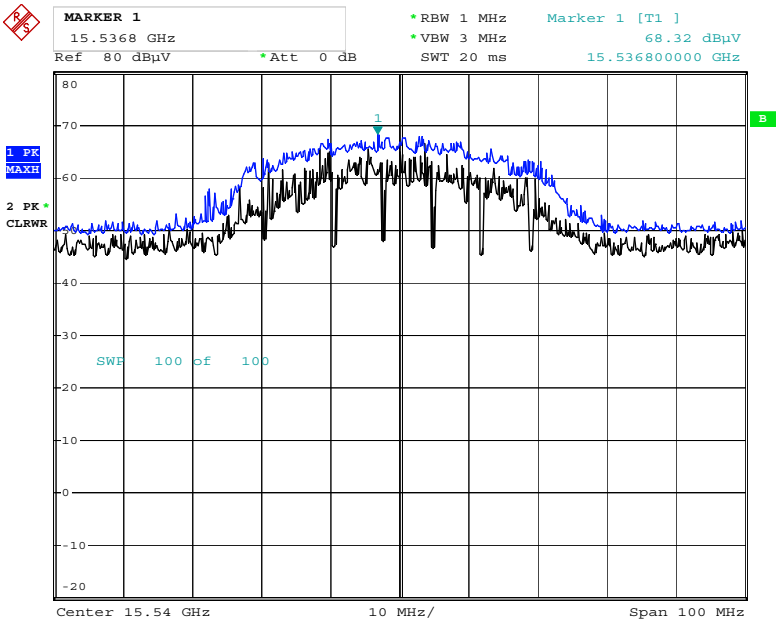
Date: 2.APR.2019 09:45:23

Average Reading(802.11n_HT20, Ch.36 3rd Harmonic, Z-H)



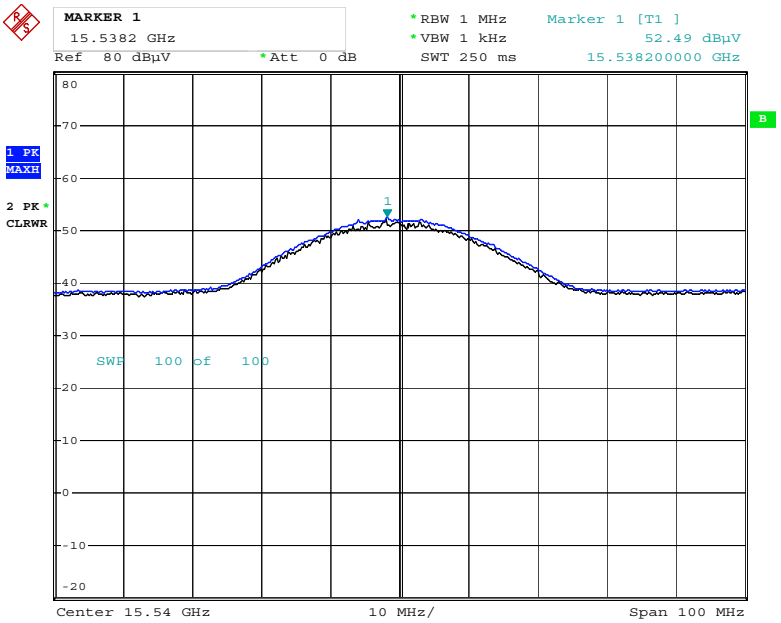
Date: 2.APR.2019 09:46:44

Peak Reading (802.11n_HT20, Ch.36 3rd Harmonic, Z-H)



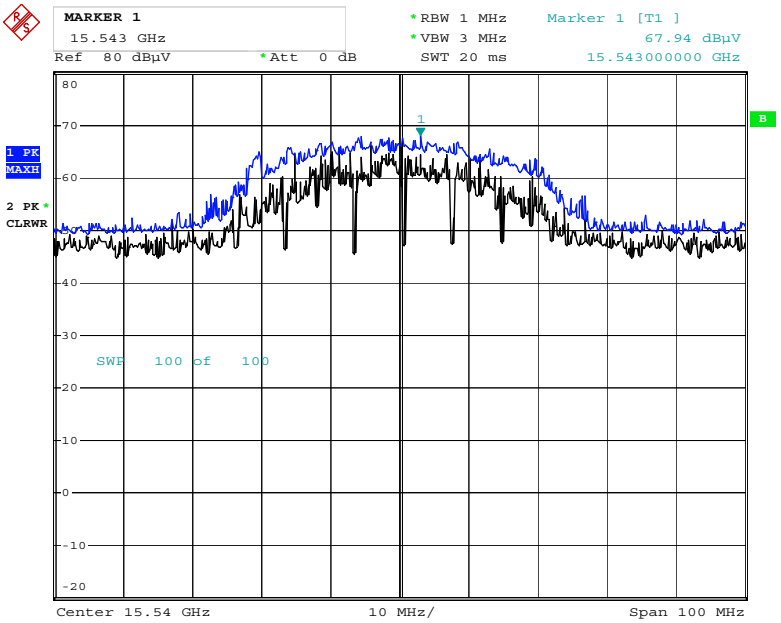
Date: 2.APR.2019 09:47:04

Average Reading(802.11ac_VHT20, Ch.36 3rd Harmonic, Z-H)



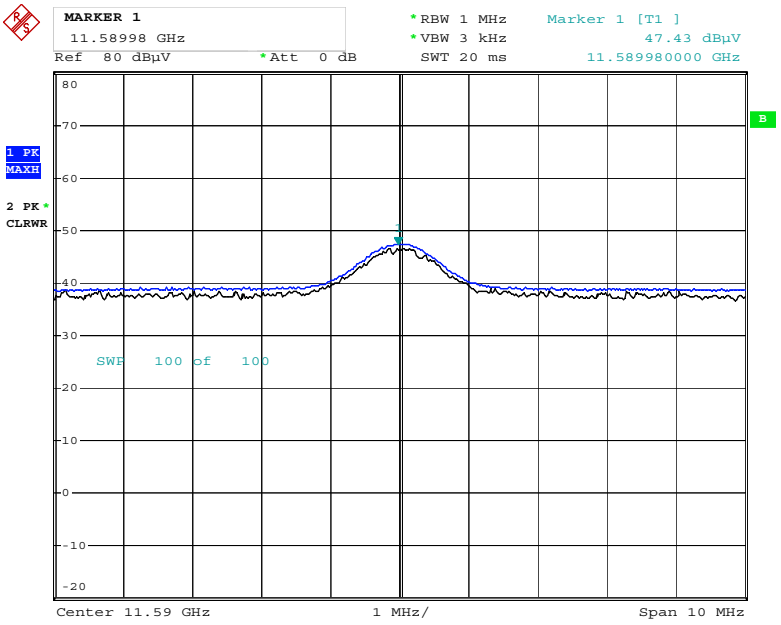
Date: 2.APR.2019 09:48:16

Peak Reading (802.11ac_VHT20, Ch.36 3rd Harmonic, Z-H)



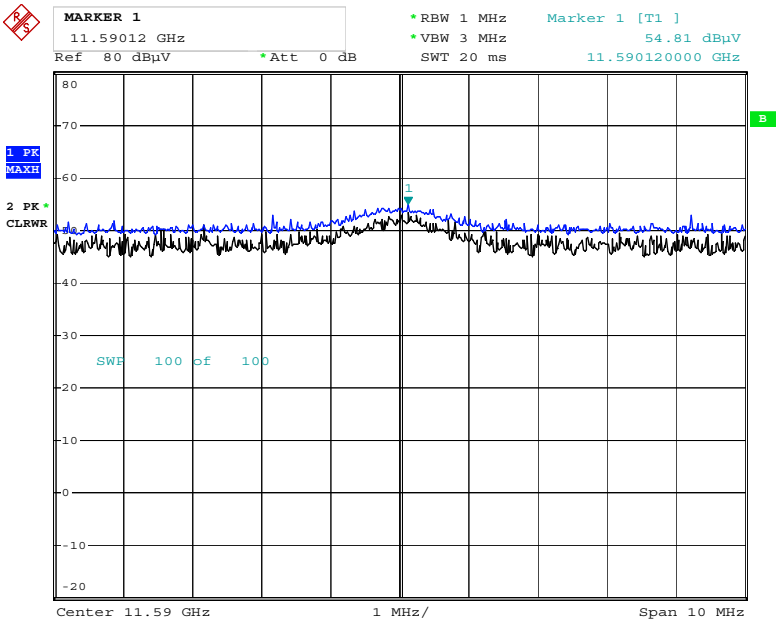
Date: 2.APR.2019 09:48:37

Average Reading(802.11n_HT40, Ch.159 2nd Harmonic, Y-H)



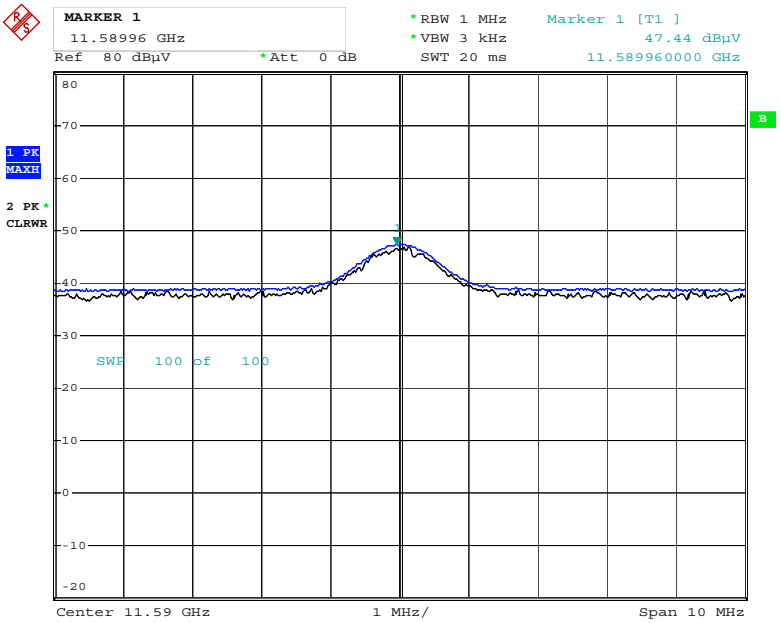
Date: 2.APR.2019 09:53:29

Peak Reading (802.11n_HT40, Ch.159 2nd Harmonic, Y-H)



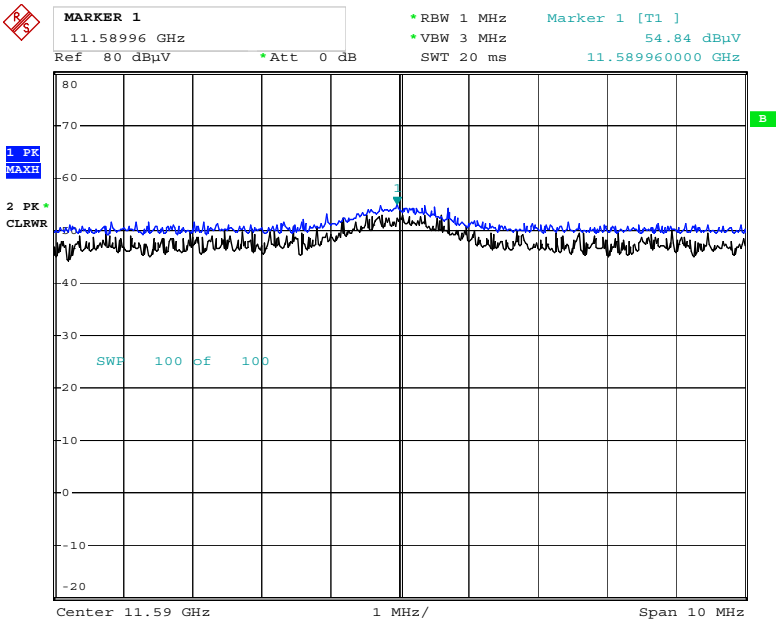
Date: 2.APR.2019 09:53:49

Average Reading(802.11ac_VHT40, Ch.159 2nd Harmonic, Y-H)



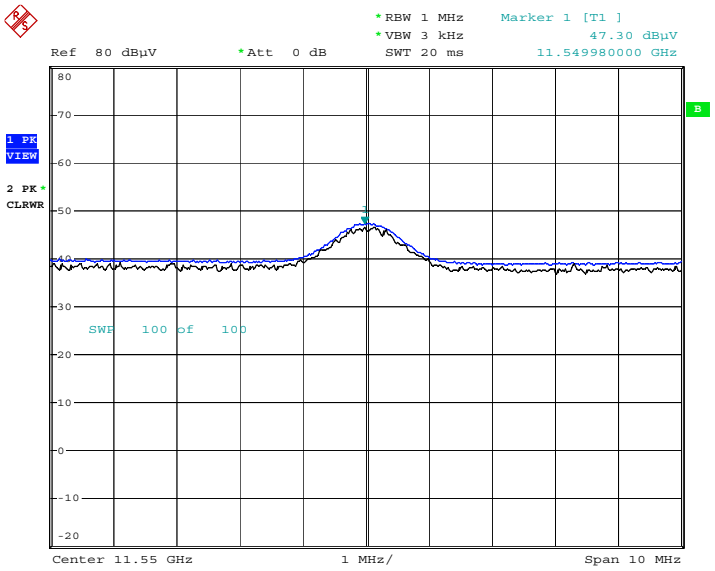
Date: 2.APR.2019 09:54:47

Peak Reading (802.11ac_VHT40, Ch.159 2nd Harmonic, Y-H)



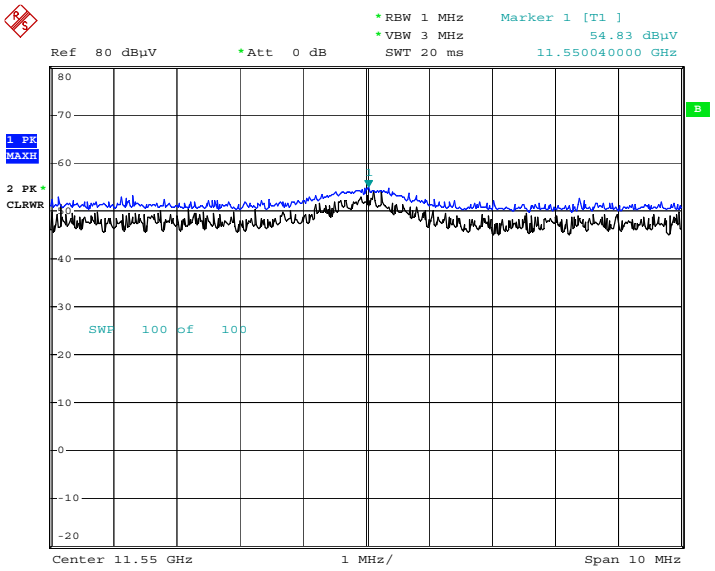
Date: 2.APR.2019 09:55:03

Average Reading(802.11ac_VHT80, Ch.155 2nd Harmonic, Y-H)



Date: 5.APR.2019 11:00:45

Peak Reading (802.11ac_VHT80, Ch.155 2nd Harmonic, Y-H)



Date: 5.APR.2019 11:01:46

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	61.64	3.49	H	65.13	73.98	8.85	PK
5150	44.41	3.49	H	47.9	53.98	6.08	AV
5150	60.10	3.49	V	63.59	73.98	10.39	PK
5150	43.00	3.49	V	46.49	53.98	7.49	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	60.01	3.49	H	63.50	73.98	10.48	PK
5150	42.10	3.49	H	45.59	53.98	8.39	AV
5150	59.67	3.49	V	63.16	73.98	10.82	PK
5150	41.55	3.49	V	45.04	53.98	8.94	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	59.59	3.49	H	63.08	73.98	10.90	PK
5150	42.20	3.49	H	45.69	53.98	8.29	AV
5150	59.61	3.49	V	63.1	73.98	10.88	PK
5150	41.88	3.49	V	45.37	53.98	8.61	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	65.99	3.49	H	69.48	73.98	4.50	PK
5150	46.21	3.49	H	49.7	53.98	4.28	AV
5150	64.73	3.49	V	68.22	73.98	5.76	PK
5150	46.02	3.49	V	49.51	53.98	4.47	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	63.66	3.49	H	67.15	73.98	6.83	PK
5150	45.52	3.49	H	49.01	53.98	4.97	AV
5150	63.12	3.49	V	66.61	73.98	7.37	PK
5150	45.33	3.49	V	48.82	53.98	5.16	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	64.91	3.49	H	68.40	73.98	5.58	PK
5150	48.18	3.49	H	51.67	53.98	2.31	AV
5150	64.25	3.49	V	67.74	73.98	6.24	PK
5150	48.01	3.49	V	51.5	53.98	2.48	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	61.19	3.92	H	65.11	73.98	8.87	PK
5350	45.46	3.92	H	49.38	53.98	4.60	AV
5350	58.08	3.92	V	62	73.98	11.98	PK
5350	42.73	3.92	V	46.65	53.98	7.33	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	57.49	3.92	H	61.41	73.98	12.57	PK
5350	42.56	3.92	H	46.48	53.98	7.50	AV
5350	57.12	3.92	V	61.04	73.98	12.94	PK
5350	42.34	3.92	V	46.26	53.98	7.72	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	59.34	3.92	H	63.26	73.98	10.72	PK
5350	42.99	3.92	H	46.91	53.98	7.07	AV
5350	58.67	3.92	V	62.59	73.98	11.39	PK
5350	42.31	3.92	V	46.23	53.98	7.75	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	61.58	3.92	H	65.50	73.98	8.48	PK
5350	46.45	3.92	H	50.37	53.98	3.61	AV
5350	60.68	3.92	V	64.6	73.98	9.38	PK
5350	45.95	3.92	V	49.87	53.98	4.11	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	59.79	3.92	H	63.71	73.98	10.27	PK
5350	46.75	3.92	H	50.67	53.98	3.31	AV
5350	59.61	3.92	V	63.53	73.98	10.45	PK
5350	46.55	3.92	V	50.47	53.98	3.51	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	63.62	3.92	H	67.54	73.98	6.44	PK
5350	47.59	3.92	H	51.51	53.98	2.47	AV
5350	63.32	3.92	V	67.24	73.98	6.74	PK
5350	47.33	3.92	V	51.25	53.98	2.73	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	53.37	5.00	H	58.37	73.98	15.61	PK
5460	38.40	5.00	H	43.4	53.98	10.58	AV
5470	60.79	4.96	H	65.75	68.20	2.45	PK
5460	50.98	5.00	V	55.98	73.98	18.00	PK
5460	37.12	5.00	V	42.12	53.98	11.86	AV
5470	58.68	4.96	V	63.64	68.20	4.56	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	52.97	5.00	H	57.97	73.98	16.01	PK
5460	37.08	5.00	H	42.08	53.98	11.90	AV
5470	60.38	4.96	H	65.34	68.20	2.86	PK
5460	52.77	5.00	V	57.77	73.98	16.21	PK
5460	36.98	5.00	V	41.98	53.98	12.00	AV
5470	60.13	4.96	V	65.09	68.20	3.11	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	52.90	5.00	H	57.90	73.98	16.08	PK
5460	37.19	5.00	H	42.19	53.98	11.79	AV
5470	59.56	4.96	H	64.52	68.20	3.68	PK
5460	52.11	5.00	V	57.11	73.98	16.87	PK
5460	37.01	5.00	V	42.01	53.98	11.97	AV
5470	58.79	4.96	V	63.75	68.20	4.45	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	53.99	5.00	H	58.99	73.98	14.99	PK
5460	39.35	5.00	H	44.35	53.98	9.63	AV
5470	60.11	4.96	H	65.07	68.20	3.13	PK
5460	53.12	5.00	V	58.12	73.98	15.86	PK
5460	39.15	5.00	V	44.15	53.98	9.83	AV
5470	59.61	4.96	V	64.57	68.20	3.63	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	56.14	5.00	H	61.14	73.98	12.84	PK
5460	39.57	5.00	H	44.57	53.98	9.41	AV
5470	60.10	4.96	H	65.06	68.20	3.14	PK
5460	55.76	5.00	V	60.76	73.98	13.22	PK
5460	39.48	5.00	V	44.48	53.98	9.50	AV
5470	59.84	4.96	V	64.8	68.20	3.40	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	58.88	5.00	H	63.88	73.98	10.10	PK
5460	43.04	5.00	H	48.04	53.98	5.94	AV
5470	59.93	4.96	H	64.89	68.20	3.31	PK
5460	58.62	5.00	V	63.62	73.98	10.36	PK
5460	42.84	5.00	V	47.84	53.98	6.14	AV
5470	59.59	4.96	V	64.55	68.20	3.65	PK

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5720 MHz
Channel No.	144 Ch
Measured Frequency Range	Above 5850MHz

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	48.00	7.21	H	55.21	68.20	12.99	PK
5850	47.25	7.21	V	54.46	68.20	13.74	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 Ch
Measured Frequency Range	Above 5850MHz

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	47.21	7.21	H	54.42	68.20	13.78	PK
5850	46.98	7.21	V	54.19	68.20	14.01	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 Ch
Measured Frequency Range	Above 5850MHz

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	47.15	7.21	H	54.36	68.20	13.84	PK
5850	46.51	7.21	V	53.72	68.20	14.48	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5710 MHz
Channel No.	142 Ch
Measured Frequency Range	Above 5850MHz

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	48.52	7.21	H	55.73	68.20	12.47	PK
5850	48.14	7.21	V	55.35	68.20	12.85	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5710 MHz
Channel No.	142 Ch
Measured Frequency Range	Above 5850MHz

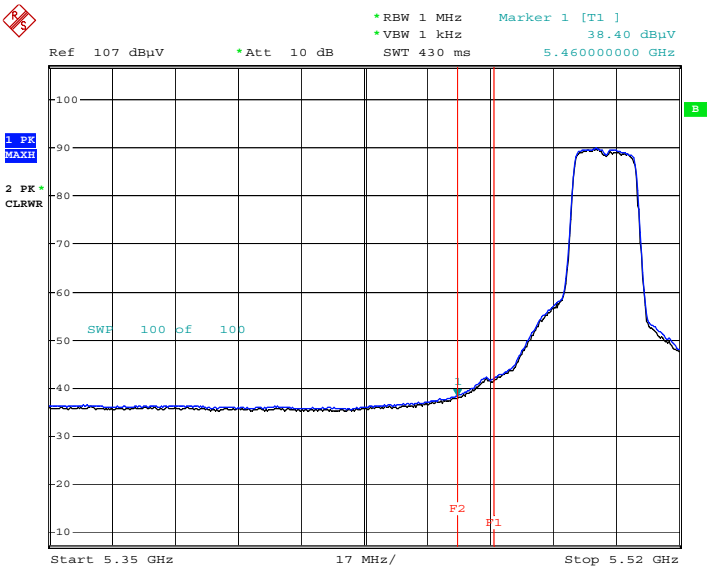
Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	47.90	7.21	H	55.11	68.20	13.09	PK
5850	47.34	7.21	V	54.55	68.20	13.65	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5690 MHz
Channel No.	138 Ch
Measured Frequency Range	Above 5850MHz

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	48.11	7.21	H	55.32	68.20	12.88	PK
5850	47.89	7.21	V	55.10	68.20	13.10	PK

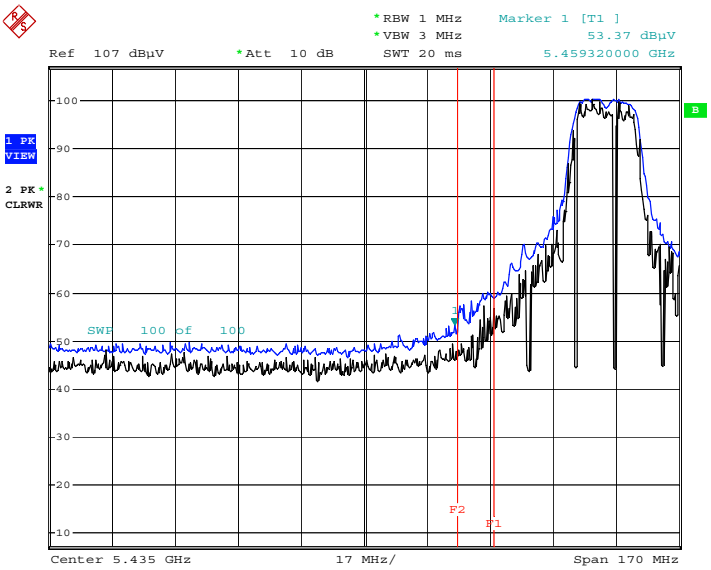
▣ Test Plots(UNII 1, 2A, 2C)

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



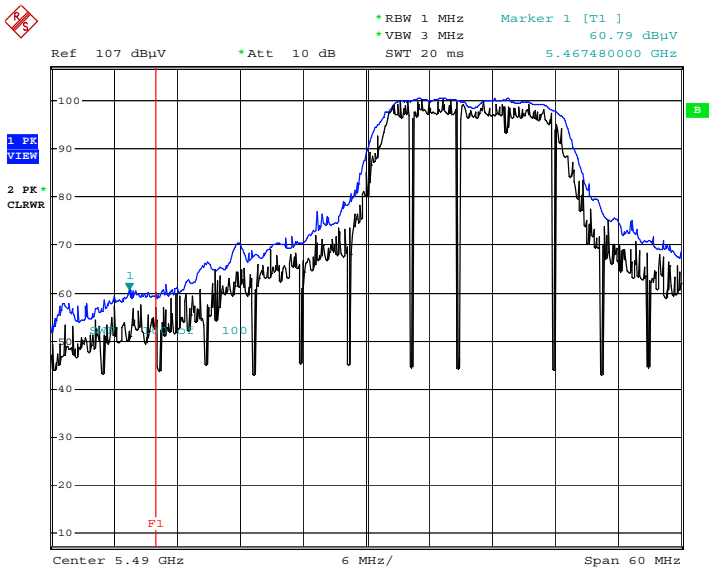
Date: 31.MAR.2019 16:33:16

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



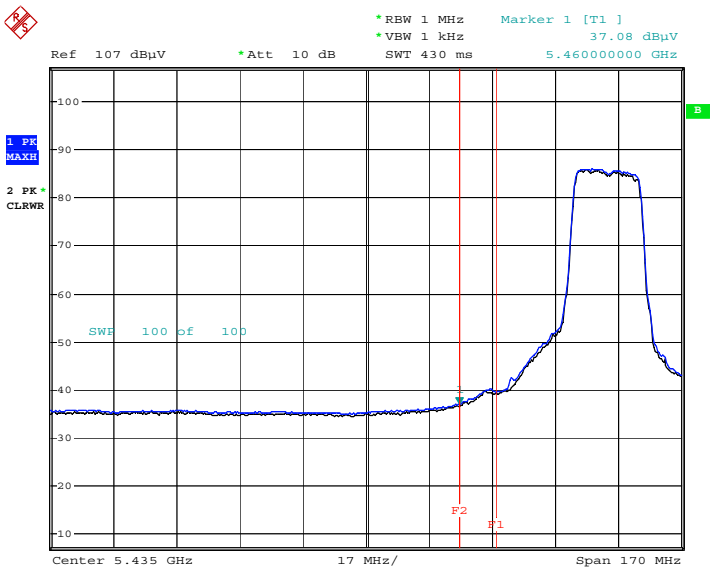
Date: 31.MAR.2019 16:32:03

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



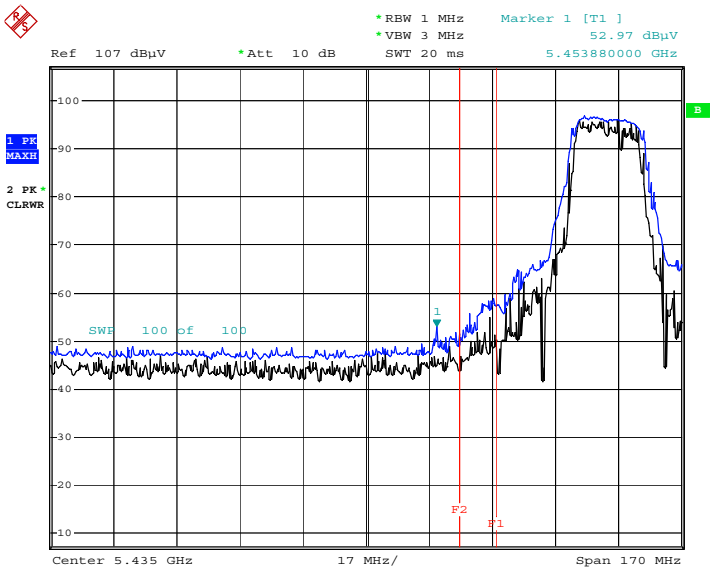
Date: 31.MAR.2019 16:30:53

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



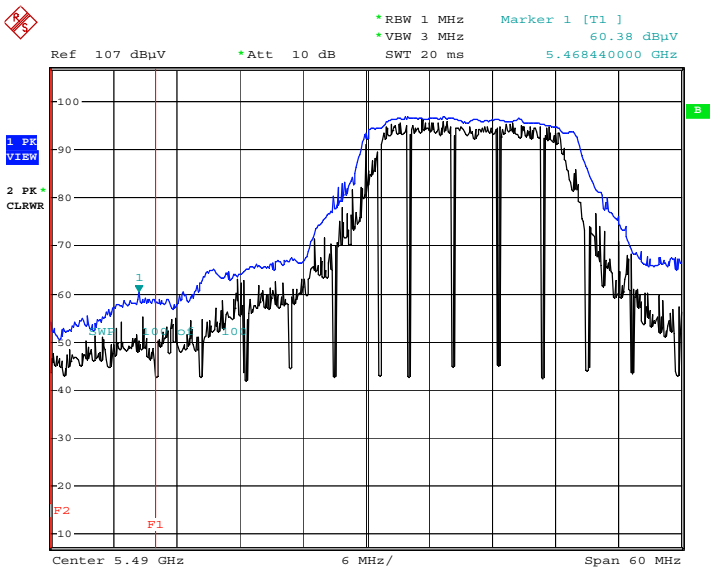
Date: 29.MAR.2019 14:51:01

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



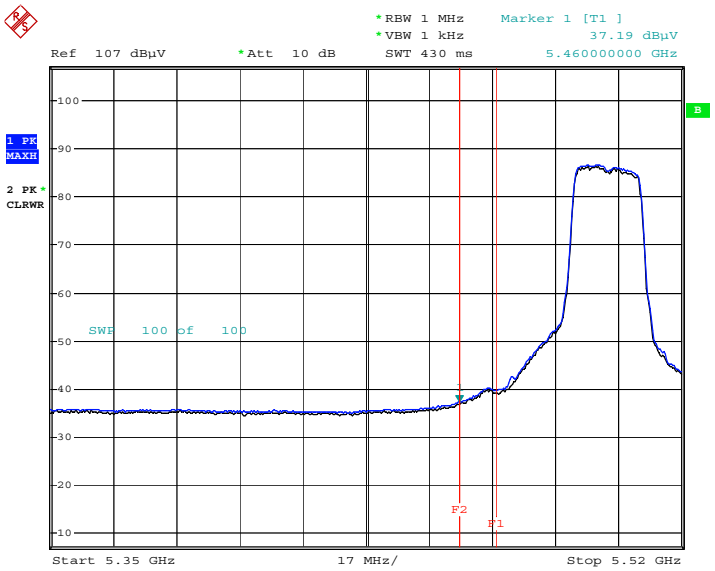
Date: 29.MAR.2019 14:51:31

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



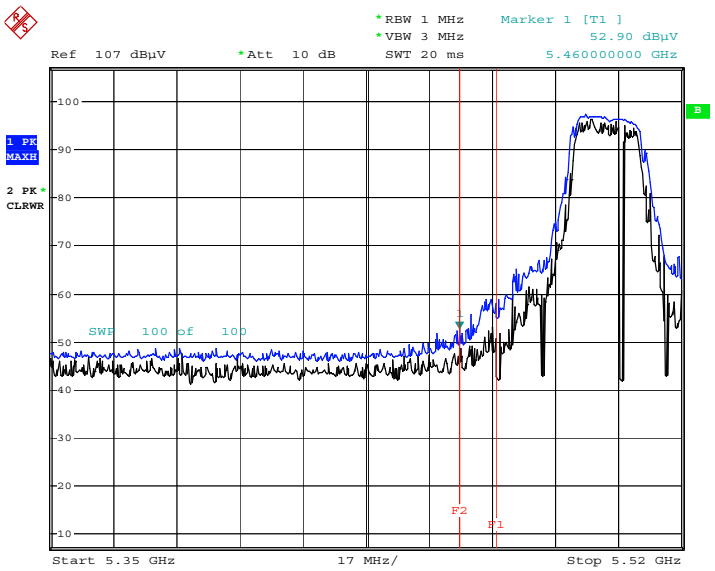
Date: 29.MAR.2019 14:49:10

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



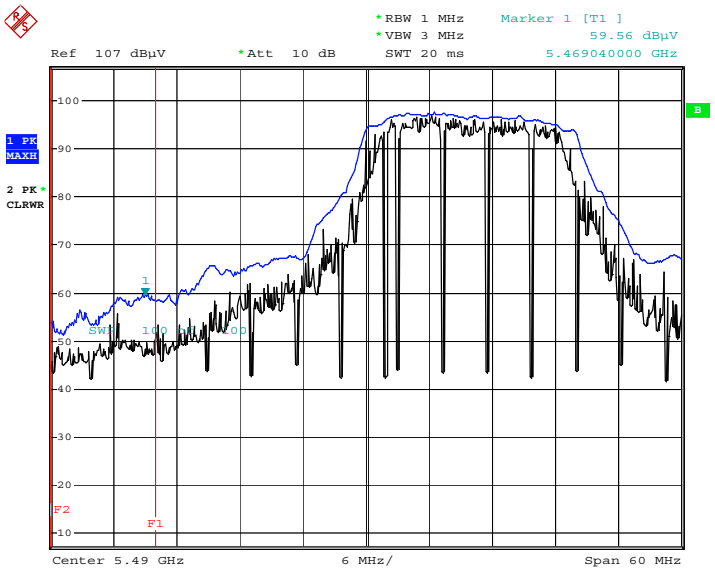
Date: 29.MAR.2019 14:55:02

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



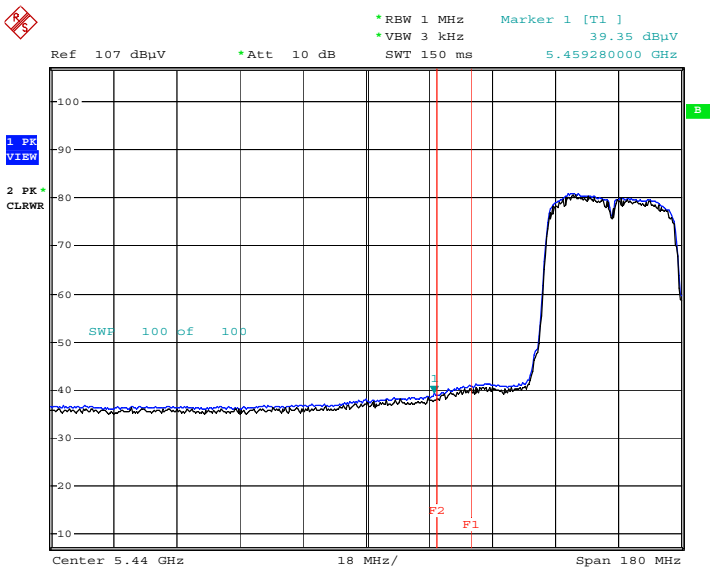
Date: 29.MAR.2019 14:53:50

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



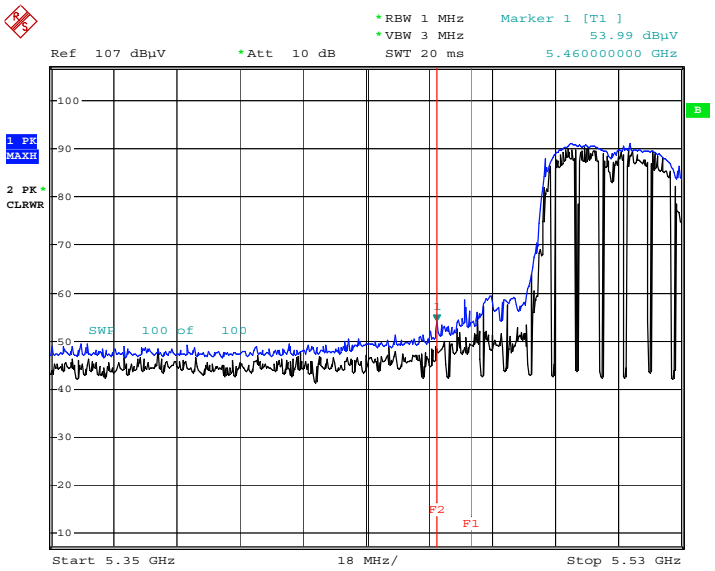
Date: 29.MAR.2019 14:53:25

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



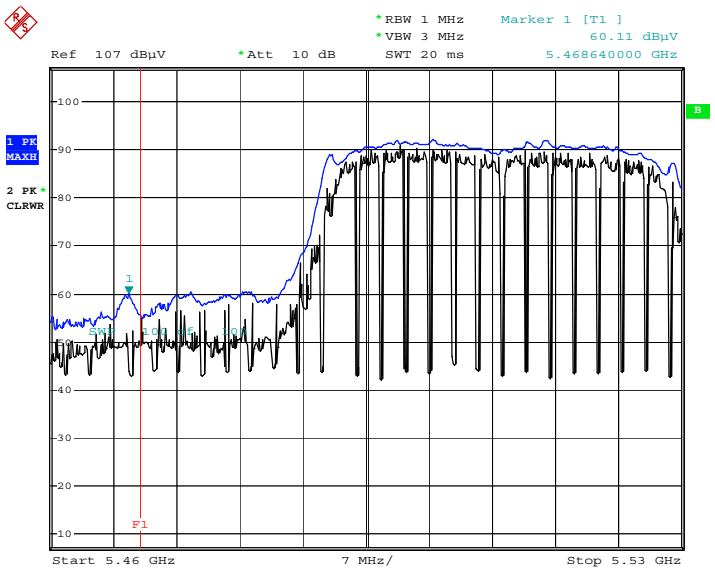
Date: 31.MAR.2019 16:58:20

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



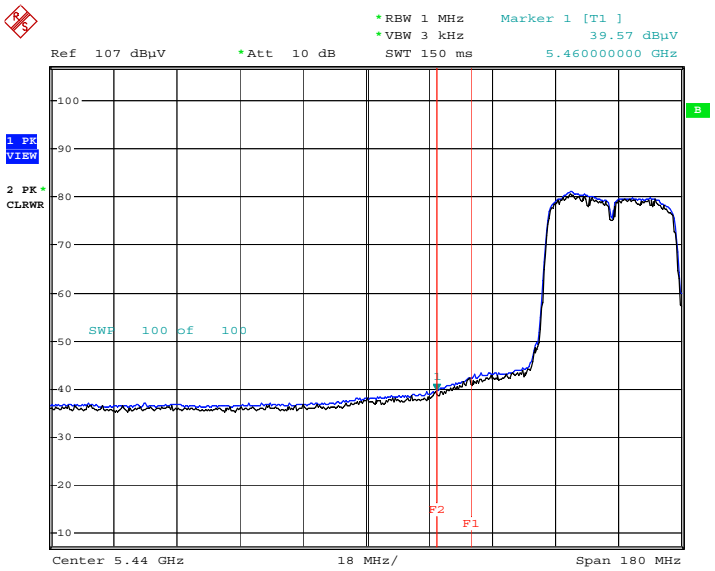
Date: 31.MAR.2019 16:57:15

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



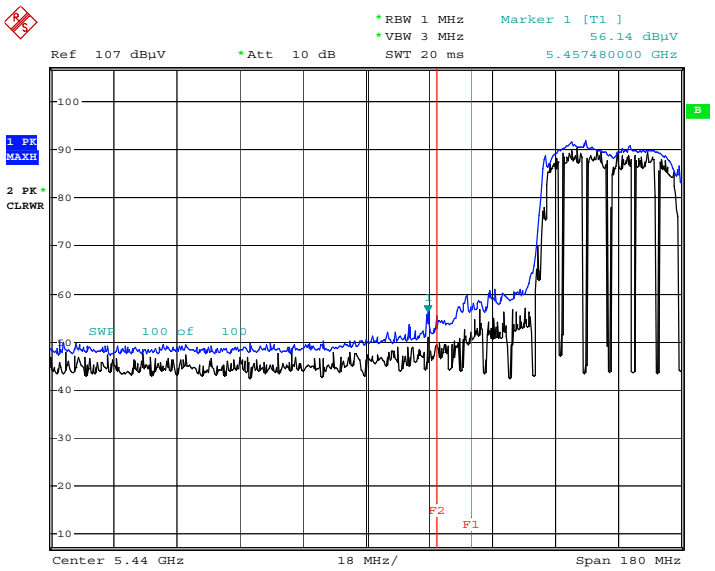
Date: 31.MAR.2019 16:56:48

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



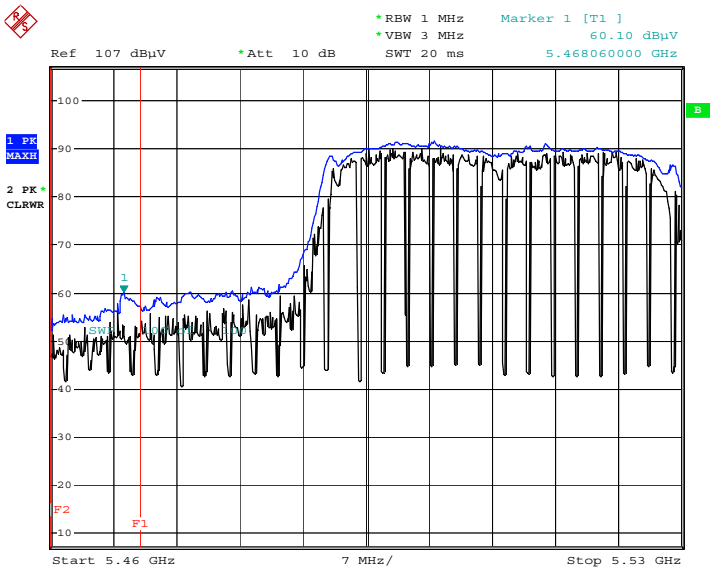
Date: 31.MAR.2019 17:04:13

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



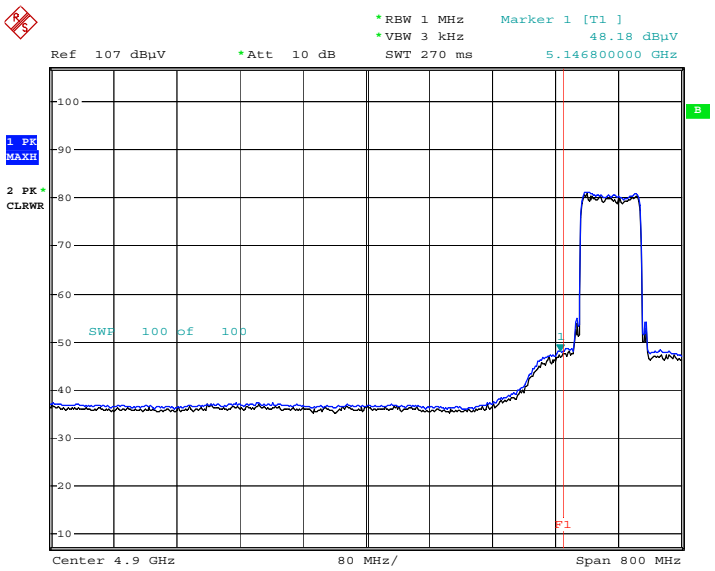
Date: 31.MAR.2019 17:03:31

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



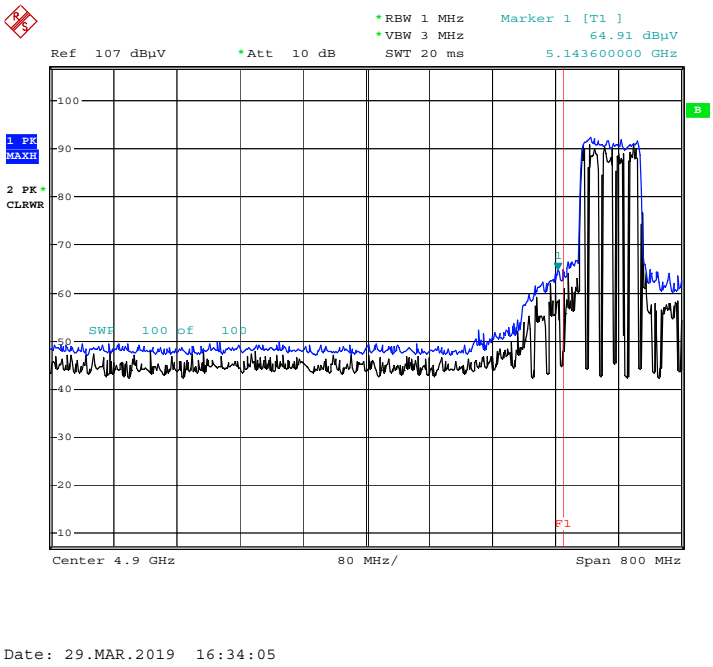
Date: 31.MAR.2019 17:02:24

Average Reading (802.11ac_VHT80, Ch.42, Z-H)



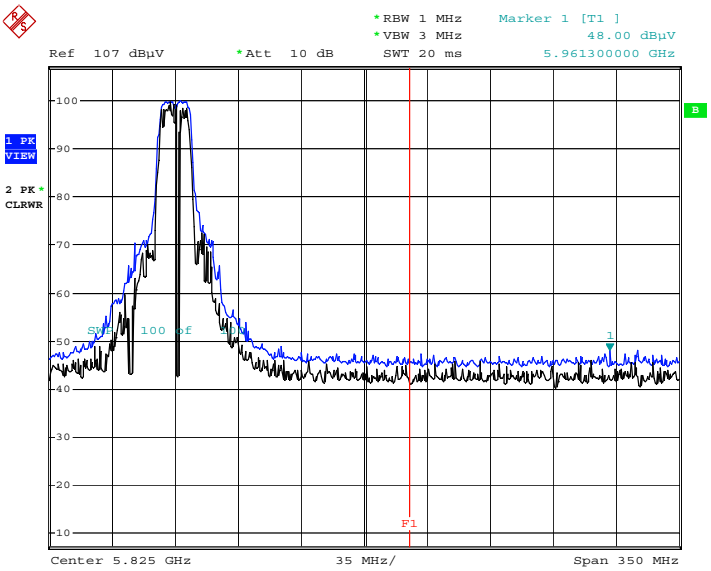
Date: 29.MAR.2019 16:33:15

Peak Reading (802.11ac_VHT80, Ch.42, Z-H)



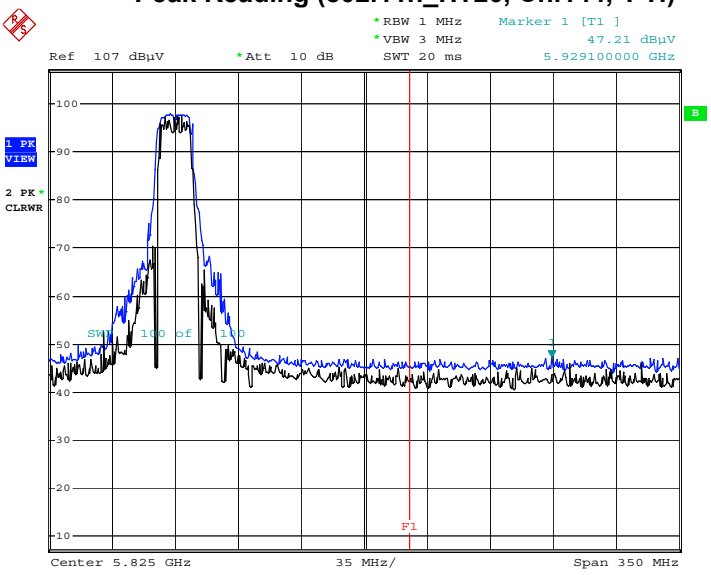
Note : Only the worst case plots for Radiated Restricted Band Edge.

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



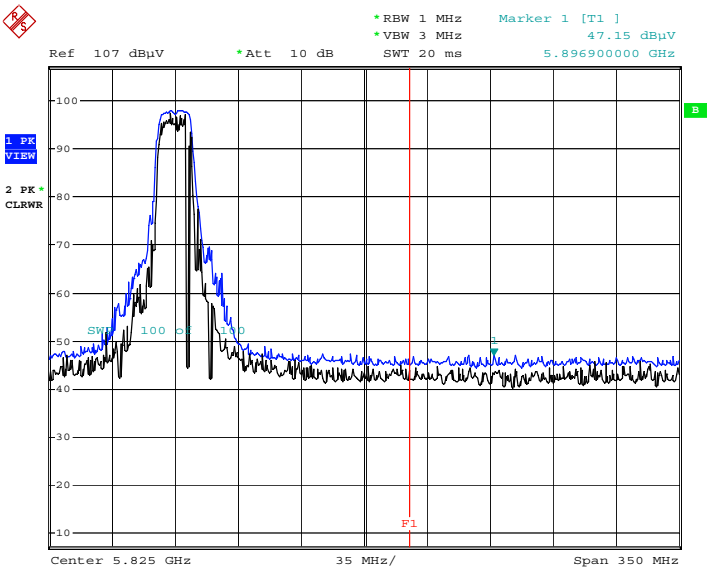
Date: 8.APR.2019 10:57:59

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



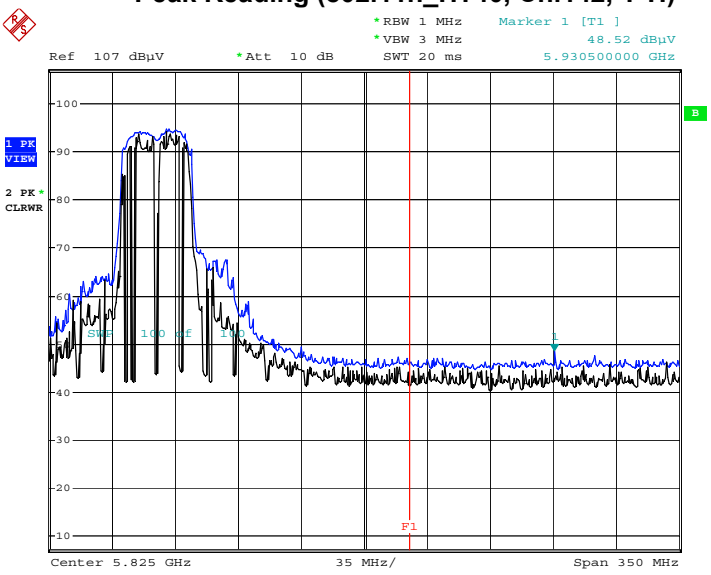
Date: 8.APR.2019 10:59:42

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



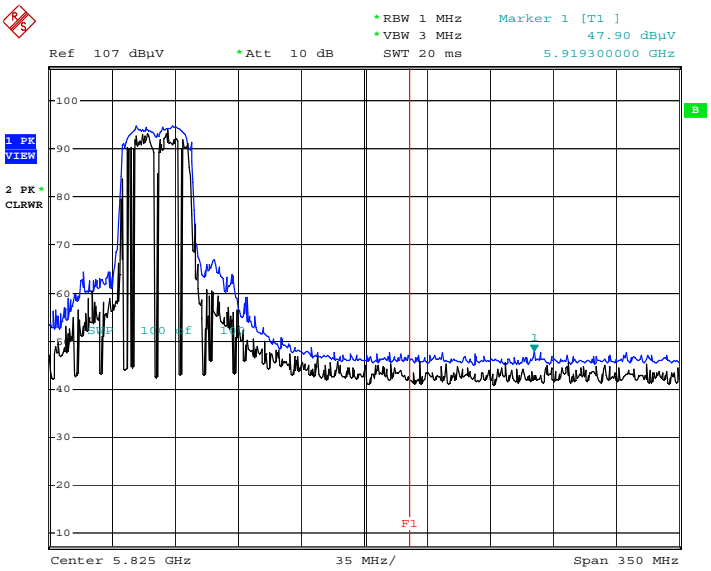
Date: 8.APR.2019 11:00:56

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



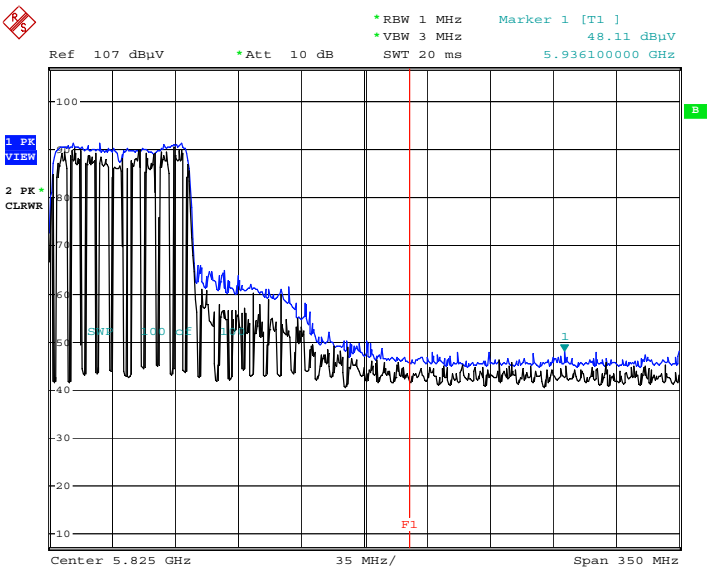
Date: 8.APR.2019 11:02:06

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



Date: 8.APR.2019 11:03:20

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



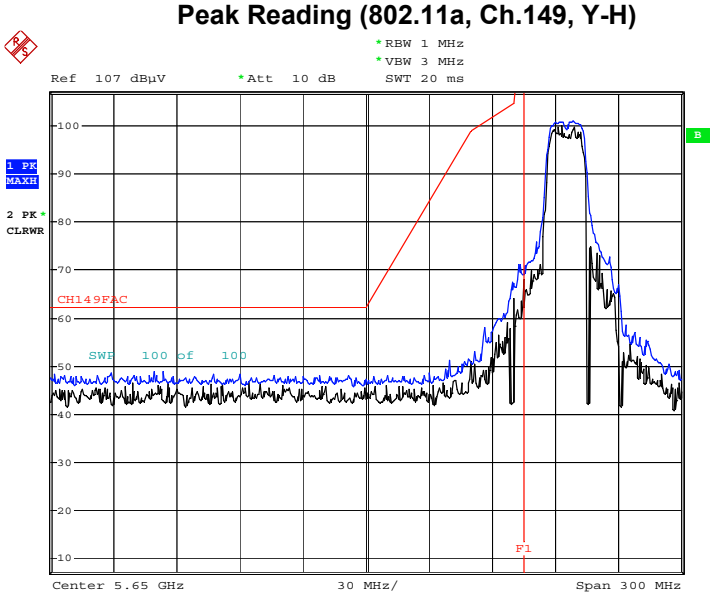
Date: 8.APR.2019 11:04:45

Note :

1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5 850 MHz

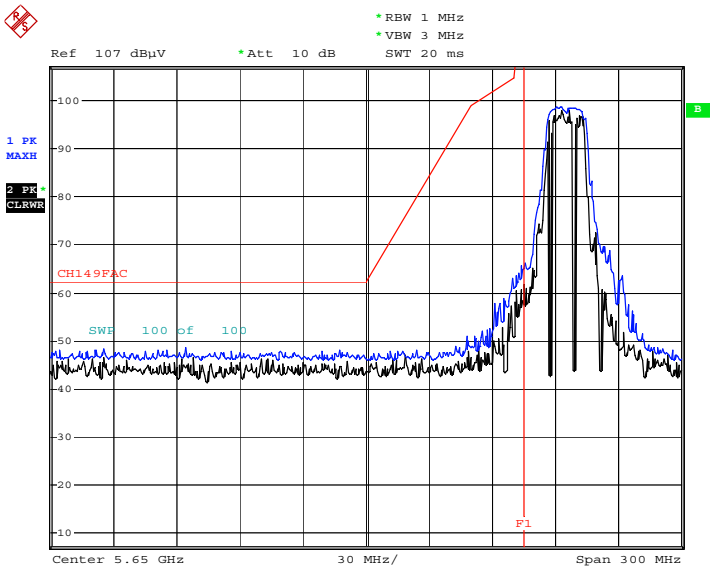
▣ Test Plots(UNII 3)

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



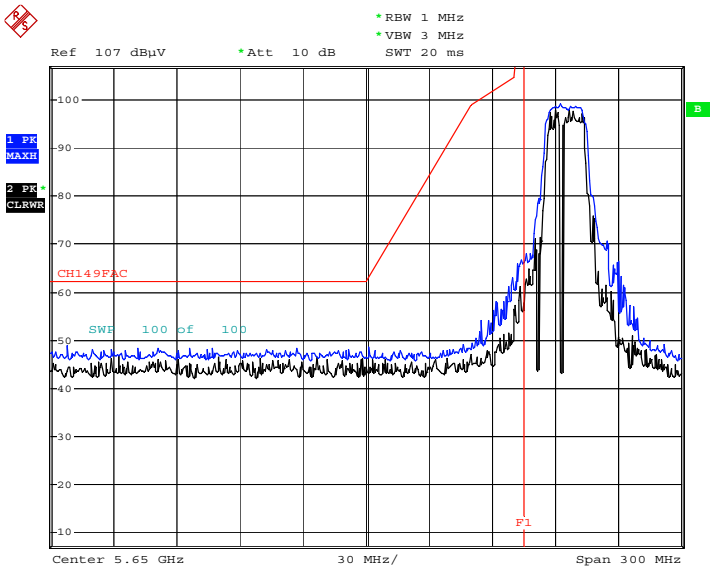
Date: 31.MAR.2019 18:03:03

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



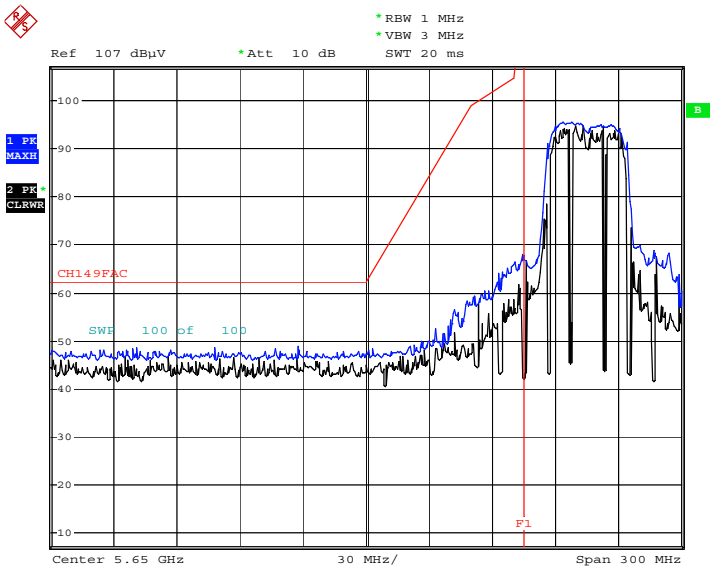
Date: 31.MAR.2019 18:14:42

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



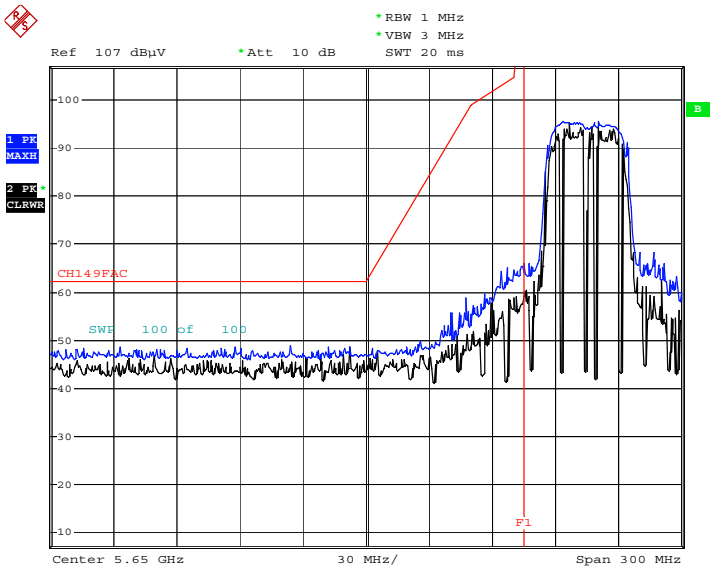
Date: 31.MAR.2019 18:15:23

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



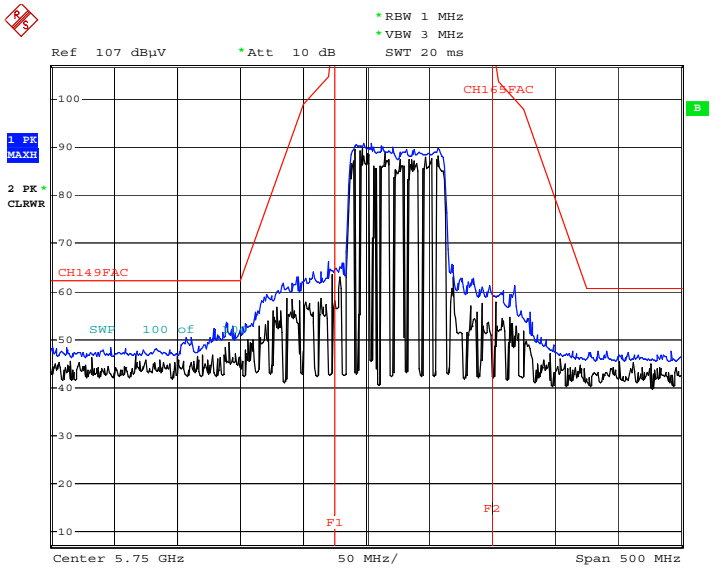
Date: 31.MAR.2019 18:16:17

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



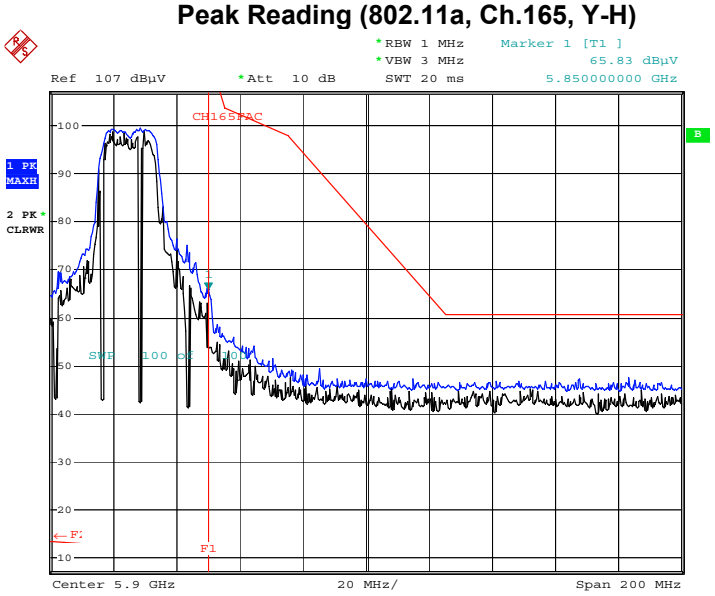
Date: 31.MAR.2019 18:16:50

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



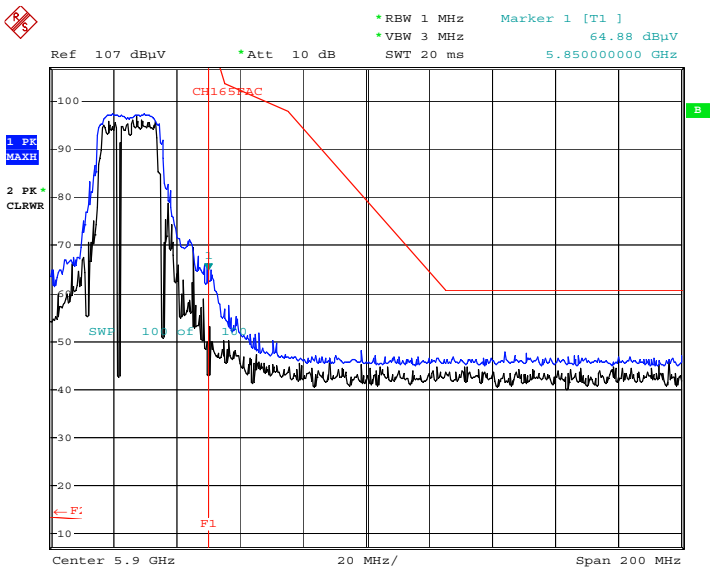
Date: 5.APR.2019 11:26:51

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



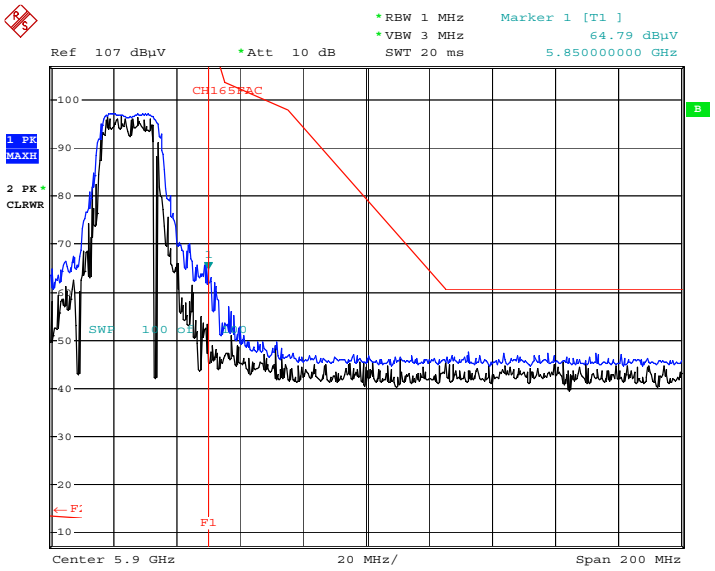
Date: 31.MAR.2019 17:41:08

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



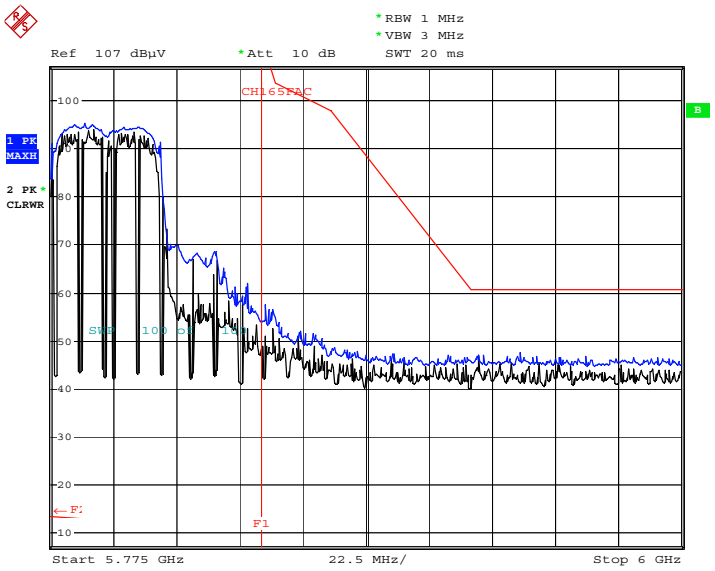
Date: 31.MAR.2019 17:42:00

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



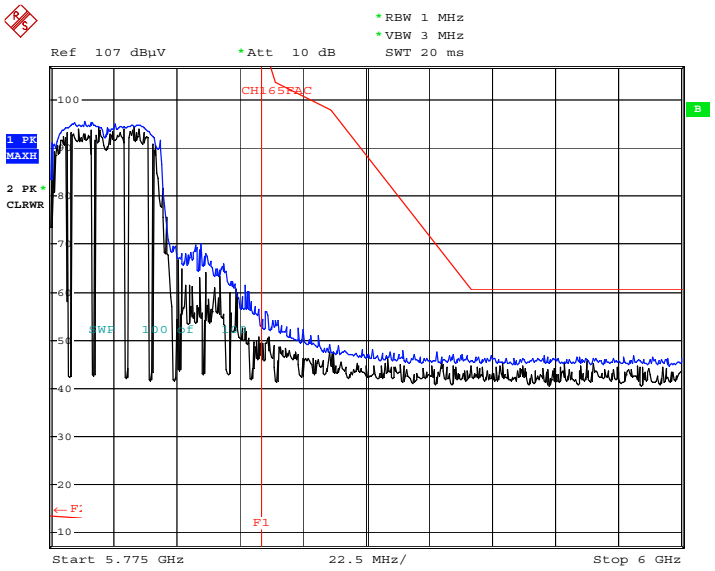
Date: 31.MAR.2019 17:42:46

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



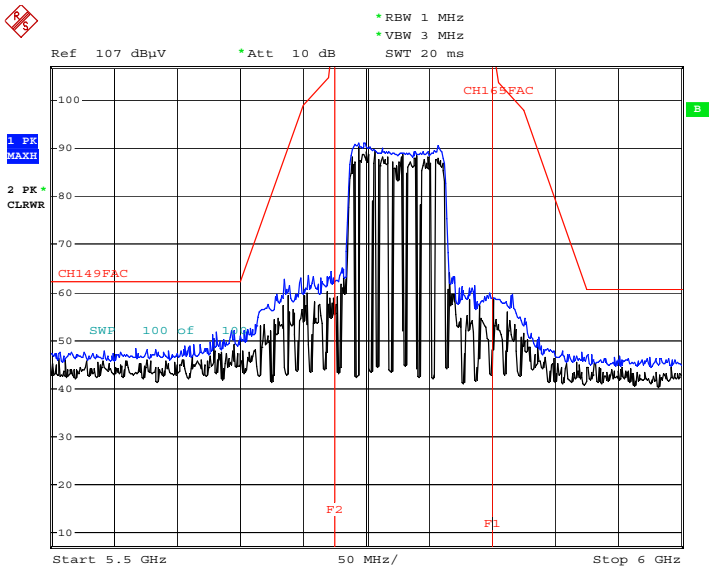
Date: 31.MAR.2019 17:43:41

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



Date: 31.MAR.2019 17:44:26

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



Date: 31.MAR.2019 17:46:12

10.10 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

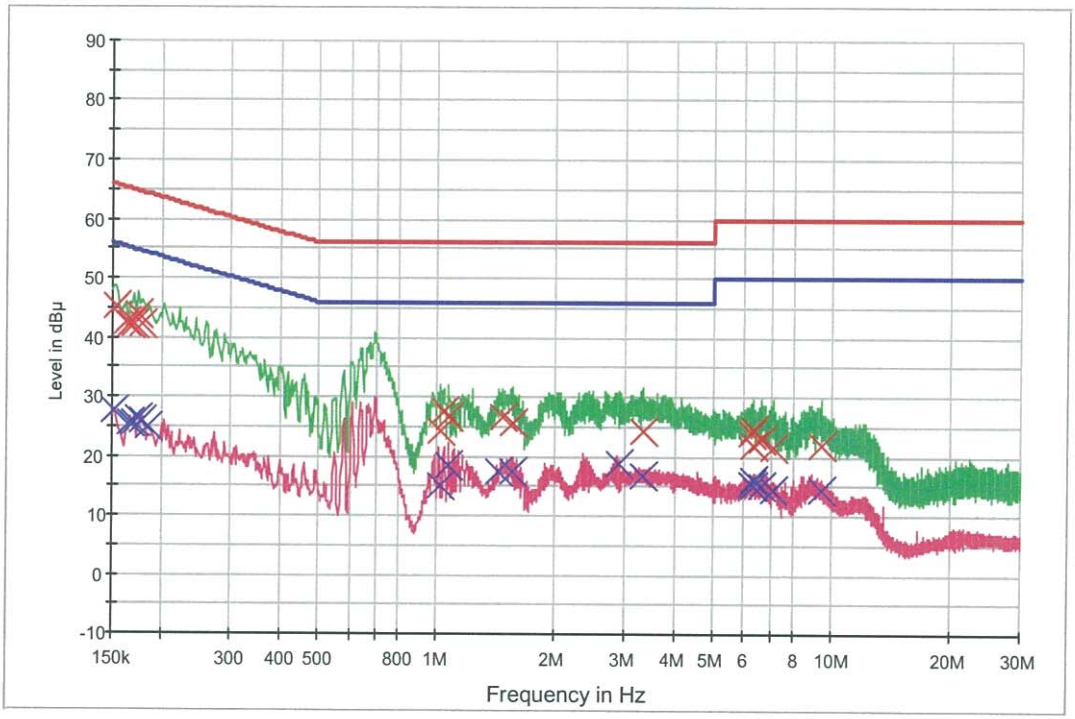
5G MODE L1

HCT TEST Report

Common Information

EUT:	SCV43
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	5G MODE L1

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.154000	45.3	9.000	Off	L1	9.7	20.5	65.8
0.162000	42.5	9.000	Off	L1	9.7	22.9	65.4
0.166000	42.2	9.000	Off	L1	9.7	23.0	65.2
0.170000	42.3	9.000	Off	L1	9.7	22.7	65.0
0.174000	43.9	9.000	Off	L1	9.7	20.8	64.8
0.178000	42.3	9.000	Off	L1	9.7	22.3	64.6
1.022000	24.4	9.000	Off	L1	9.8	31.6	56.0
1.046000	27.5	9.000	Off	L1	9.8	28.5	56.0
1.066000	26.7	9.000	Off	L1	9.8	29.3	56.0
1.470000	26.6	9.000	Off	L1	9.9	29.4	56.0
1.558000	25.7	9.000	Off	L1	9.9	30.3	56.0
3.310000	24.2	9.000	Off	L1	9.9	31.8	56.0
6.240000	23.9	9.000	Off	L1	10.1	36.1	60.0
6.308000	24.7	9.000	Off	L1	10.1	35.3	60.0
6.348000	21.9	9.000	Off	L1	10.1	38.1	60.0
6.658000	22.8	9.000	Off	L1	10.1	37.2	60.0
7.096000	21.6	9.000	Off	L1	10.1	38.4	60.0
9.426000	21.8	9.000	Off	L1	10.2	38.2	60.0

5G MODE L1 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	27.5	9.000	Off	L1	9.7	28.4	55.9
0.166000	25.7	9.000	Off	L1	9.7	29.5	55.2
0.170000	25.7	9.000	Off	L1	9.7	29.2	55.0
0.174000	26.1	9.000	Off	L1	9.7	28.7	54.8
0.178000	26.0	9.000	Off	L1	9.7	28.5	54.6
0.186000	25.0	9.000	Off	L1	9.7	29.3	54.2
1.022000	15.1	9.000	Off	L1	9.8	30.9	46.0
1.066000	18.4	9.000	Off	L1	9.8	27.6	46.0
1.428000	17.4	9.000	Off	L1	9.9	28.6	46.0
1.556000	17.6	9.000	Off	L1	9.9	28.4	46.0
2.890000	19.0	9.000	Off	L1	9.9	27.0	46.0
3.310000	16.8	9.000	Off	L1	9.9	29.2	46.0
6.240000	15.4	9.000	Off	L1	10.1	34.6	50.0
6.308000	16.2	9.000	Off	L1	10.1	33.8	50.0
6.348000	15.1	9.000	Off	L1	10.1	34.9	50.0
6.658000	15.2	9.000	Off	L1	10.1	34.8	50.0
7.096000	14.3	9.000	Off	L1	10.1	35.7	50.0
9.426000	14.5	9.000	Off	L1	10.2	35.5	50.0

2019-03-30 오전 8:12:46

Conducted Emissions (Line 2)

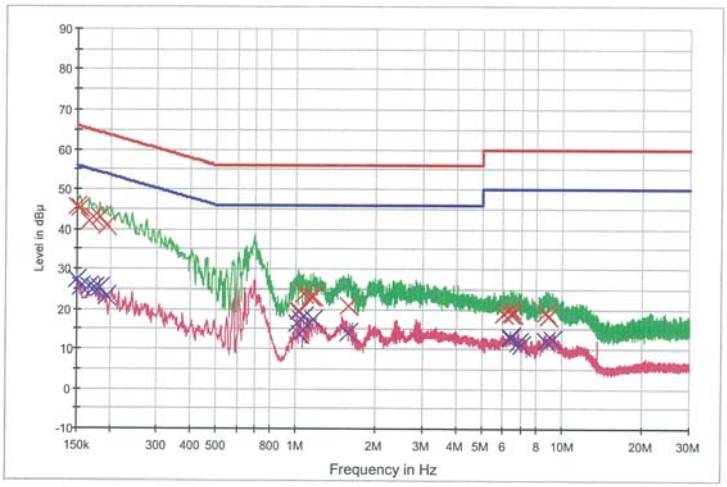
5G MODE N 1 / 2

HCT TEST Report

Common Information

EUT:	SCV43
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	5G MODE N

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	45.6	9.000	Off	N	9.8	20.4	66.0
0.154000	45.1	9.000	Off	N	9.8	20.7	65.8
0.166000	42.0	9.000	Off	N	9.8	23.2	65.2
0.172000	43.0	9.000	Off	N	9.8	21.9	64.9
0.182000	43.0	9.000	Off	N	9.8	21.4	64.4
0.194000	40.9	9.000	Off	N	9.8	23.0	63.9
1.026000	19.6	9.000	Off	N	10.0	36.4	56.0
1.030000	19.4	9.000	Off	N	10.0	36.6	56.0
1.072000	23.9	9.000	Off	N	10.0	32.1	56.0
1.134000	23.2	9.000	Off	N	10.0	32.8	56.0
1.162000	23.2	9.000	Off	N	10.0	32.8	56.0
1.576000	20.8	9.000	Off	N	10.1	35.2	56.0
6.050000	18.7	9.000	Off	N	10.3	41.3	60.0
6.394000	18.9	9.000	Off	N	10.3	41.1	60.0
6.400000	20.3	9.000	Off	N	10.3	39.7	60.0
6.532000	18.8	9.000	Off	N	10.3	41.2	60.0
8.676000	19.2	9.000	Off	N	10.4	40.8	60.0
8.916000	18.1	9.000	Off	N	10.4	41.9	60.0

2019-03-30 오전 8:03:46

5G MODE N 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	27.2	9.000	Off	N	9.8	28.8	56.0
0.156000	25.6	9.000	Off	N	9.8	30.1	55.7
0.166000	25.8	9.000	Off	N	9.8	29.4	55.2
0.174000	25.3	9.000	Off	N	9.8	29.5	54.8
0.182000	25.2	9.000	Off	N	9.8	29.2	54.4
0.194000	23.1	9.000	Off	N	9.8	30.8	53.9
1.010000	16.4	9.000	Off	N	10.0	29.6	46.0
1.030000	13.6	9.000	Off	N	10.0	32.4	46.0
1.044000	17.6	9.000	Off	N	10.0	28.4	46.0
1.072000	18.1	9.000	Off	N	10.0	27.9	46.0
1.162000	17.6	9.000	Off	N	10.0	28.4	46.0
1.576000	14.0	9.000	Off	N	10.1	32.0	46.0
6.394000	12.8	9.000	Off	N	10.3	37.2	50.0
6.400000	13.2	9.000	Off	N	10.3	36.8	50.0
6.846000	11.6	9.000	Off	N	10.3	38.4	50.0
7.012000	11.0	9.000	Off	N	10.3	39.0	50.0
8.676000	12.2	9.000	Off	N	10.4	37.8	50.0
9.162000	12.2	9.000	Off	N	10.4	37.8	50.0

2019-03-30 오전 8:03:46

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	04/16/2018	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/16/2018	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
Chang Woo Inc.	18N-20dB / Attenuator(20 dB)	05/09/2018	Annual	8
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A

Note:

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

Radiated Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Audix	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	03/22/2019	Biennial	760
Schwarzbeck	VULB 9160 / TRILOG Antenna	08/09/2018	Biennial	9160-3368
Schwarzbeck	BBHA 9120D / Horn Antenna	05/02/2017	Biennial	9120D-937
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	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	05/09/2018	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-1904-FC021-P