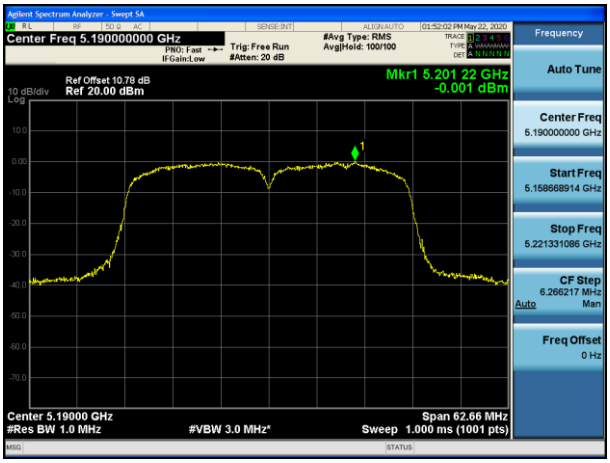
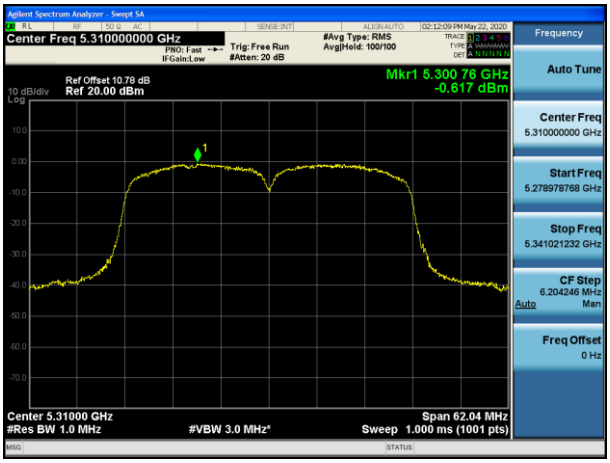
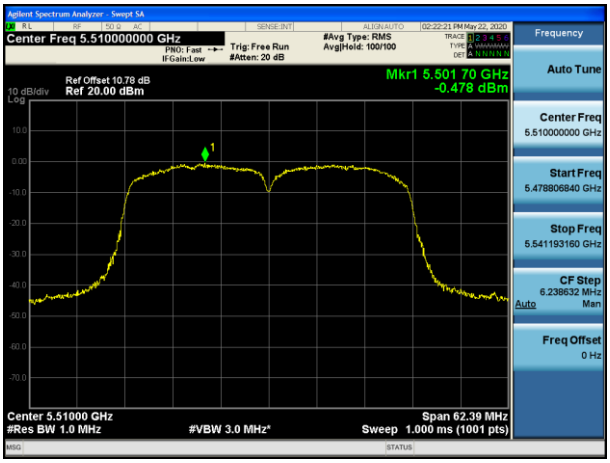
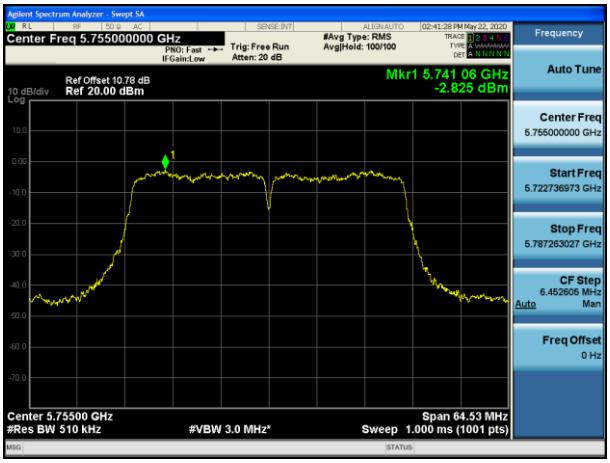
▣ Test Plots(802.11ac(VHT40))

Note:

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

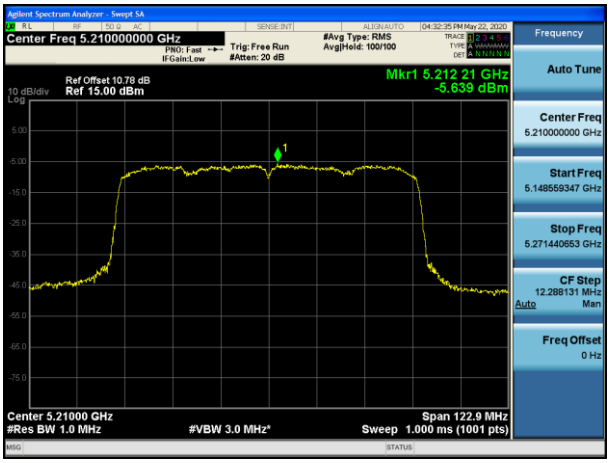
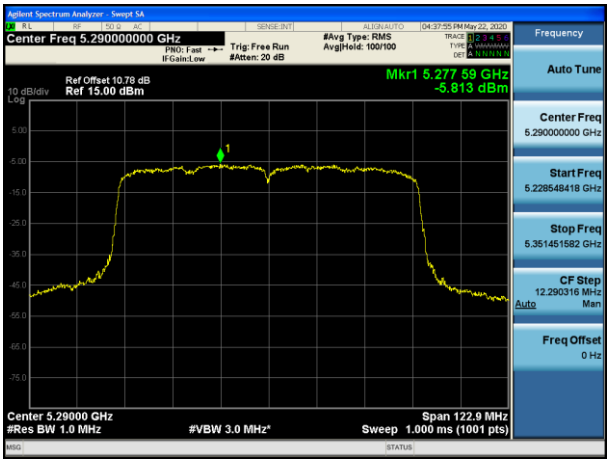
UNII 1 (Ch. 38)	UNII 2A (Ch. 62)
	

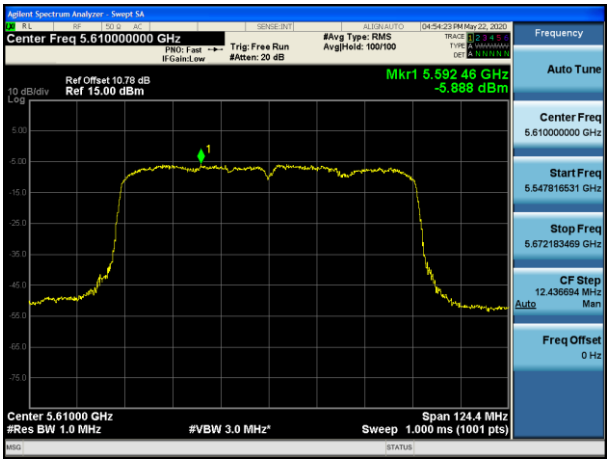
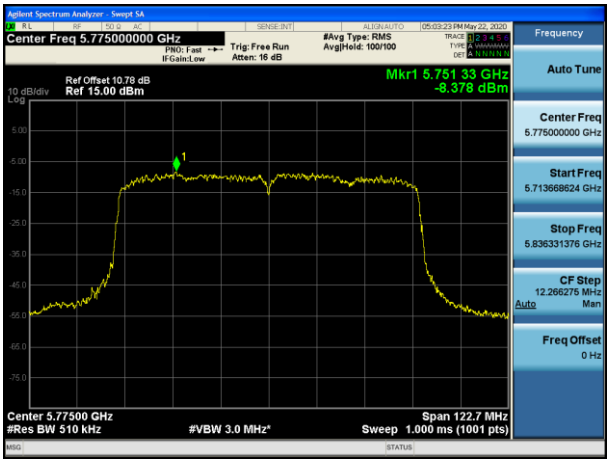
UNII 2C (Ch. 102)	UNII 3 (Ch. 151)
	

▣ 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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5210036.54	36.54
100%		-30	5210052.87	52.87
100%		-20	5210045.26	45.26
100%		-10	5210039.70	39.70
100%		0	5210035.10	35.10
100%		+10	5210031.03	31.03
100%		+30	5210032.32	32.32
100%		+40	5210040.79	40.79
100%		+50	5210046.35	46.35
HIGH	4.38	+20	5210045.73	45.73
LOW	3.65	+20	5210047.10	47.10

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5290037.49	37.49
100%		-30	5290052.06	52.06
100%		-20	5290044.04	44.04
100%		-10	5290038.76	38.76
100%		0	5290035.25	35.25
100%		+10	5290032.04	32.04
100%		+30	5290031.10	31.10
100%		+40	5290039.13	39.13
100%		+50	5290042.34	42.34
HIGH	4.38	+20	5290043.38	43.38
LOW	3.65	+20	5290047.34	47.34

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 2C
OPERATING FREQUENCY: 5,530,000,000 Hz
CHANNEL: 106
REFERENCE VOLTAGE: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5530035.91	35.91
100%		-30	5530051.89	51.89
100%		-20	5530045.71	45.71
100%		-10	5530038.82	38.82
100%		0	5530034.68	34.68
100%		+10	5530030.99	30.99
100%		+30	5530031.43	31.43
100%		+40	5530039.80	39.80
100%		+50	5530044.18	44.18
HIGH	4.38	+20	5530044.55	44.55
LOW	3.65	+20	5530046.55	46.55

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5775038.10	38.10
100%		-30	5775053.18	53.18
100%		-20	5775047.01	47.01
100%		-10	5775041.43	41.43
100%		0	5775037.37	37.37
100%		+10	5775033.61	33.61
100%		+30	5775031.20	31.20
100%		+40	5775039.44	39.44
100%		+50	5775044.69	44.69
HIGH	4.38	+20	5775045.42	45.42
LOW	3.65	+20	5775048.36	48.36

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.

2 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
OPERATING FREQUENCY: 5,210,000,000 Hz
CHANNEL: 42
REFERENCE VOLTAGE: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5210042.16	42.16
100%		-30	5210053.55	53.55
100%		-20	5210046.22	46.22
100%		-10	5210040.23	40.23
100%		0	5210035.24	35.24
100%		+10	5210032.22	32.22
100%		+30	5210032.51	32.51
100%		+40	5210043.27	43.27
100%		+50	5210048.19	48.19
HIGH	4.38	+20	5210045.09	45.09
LOW	3.65	+20	5210048.38	48.38

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5290039.66	39.66
100%		-30	5290052.89	52.89
100%		-20	5290045.52	45.52
100%		-10	5290040.16	40.16
100%		0	5290036.20	36.20
100%		+10	5290033.37	33.37
100%		+30	5290031.42	31.42
100%		+40	5290040.36	40.36
100%		+50	5290043.78	43.78
HIGH	4.38	+20	5290043.59	43.59
LOW	3.65	+20	5290048.43	48.43

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.

OPERATING BAND: UNII Band 2C
OPERATING FREQUENCY: 5,530,000,000 Hz
CHANNEL: 106
REFERENCE VOLTAGE: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5530043.84	43.84
100%		-30	5530052.65	52.65
100%		-20	5530046.38	46.38
100%		-10	5530040.45	40.45
100%		0	5530037.34	37.34
100%		+10	5530034.04	34.04
100%		+30	5530032.51	32.51
100%		+40	5530042.12	42.12
100%		+50	5530046.45	46.45
HIGH	4.38	+20	5530044.50	44.50
LOW	3.65	+20	5530046.44	46.44

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5775040.17	40.17
100%		-30	5775051.83	51.83
100%		-20	5775045.33	45.33
100%		-10	5775039.06	39.06
100%		0	5775034.79	34.79
100%		+10	5775032.38	32.38
100%		+30	5775031.13	31.13
100%		+40	5775039.03	39.03
100%		+50	5775042.29	42.29
HIGH	4.38	+20	5775043.43	43.43
LOW	3.65	+20	5775046.10	46.10

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:	3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5210039.43	39.43
100%		-30	5210052.90	52.90
100%		-20	5210046.26	46.26
100%		-10	5210039.55	39.55
100%		0	5210034.68	34.68
100%		+10	5210032.01	32.01
100%		+30	5210031.68	31.68
100%		+40	5210039.63	39.63
100%		+50	5210045.23	45.23
HIGH	4.38	+20	5210045.77	45.77
LOW	3.65	+20	5210047.54	47.54

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5290040.78	40.78
100%		-30	5290051.61	51.61
100%		-20	5290043.69	43.69
100%		-10	5290038.05	38.05
100%		0	5290033.43	33.43
100%		+10	5290030.90	30.90
100%		+30	5290031.96	31.96
100%		+40	5290042.62	42.62
100%		+50	5290048.40	48.40
HIGH	4.38	+20	5290045.95	45.95
LOW	3.65	+20	5290047.21	47.21

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5530042.05	42.05
100%		-30	5530052.50	52.50
100%		-20	5530045.50	45.50
100%		-10	5530038.87	38.87
100%		0	5530035.27	35.27
100%		+10	5530032.84	32.84
100%		+30	5530030.78	30.78
100%		+40	5530039.11	39.11
100%		+50	5530042.98	42.98
HIGH	4.38	+20	5530044.04	44.04
LOW	3.65	+20	5530048.55	48.55

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5775040.05	40.05
100%		-30	5775052.15	52.15
100%		-20	5775045.10	45.10
100%		-10	5775038.07	38.07
100%		0	5775033.48	33.48
100%		+10	5775031.15	31.15
100%		+30	5775030.80	30.80
100%		+40	5775039.51	39.51
100%		+50	5775044.30	44.30
HIGH	4.38	+20	5775044.96	44.96
LOW	3.65	+20	5775048.30	48.30

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:	3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5210039.91	39.91
100%		-30	5210051.86	51.86
100%		-20	5210045.31	45.31
100%		-10	5210039.26	39.26
100%		0	5210036.10	36.10
100%		+10	5210032.39	32.39
100%		+30	5210031.39	31.39
100%		+40	5210039.36	39.36
100%		+50	5210045.35	45.35
HIGH	4.38	+20	5210046.16	46.16
LOW	3.65	+20	5210046.84	46.84

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5290041.37	41.37
100%		-30	5290052.26	52.26
100%		-20	5290044.58	44.58
100%		-10	5290038.15	38.15
100%		0	5290034.89	34.89
100%		+10	5290032.45	32.45
100%		+30	5290031.05	31.05
100%		+40	5290038.86	38.86
100%		+50	5290044.81	44.81
HIGH	4.38	+20	5290046.12	46.12
LOW	3.65	+20	5290048.28	48.28

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5530043.65	43.65
100%		-30	5530053.43	53.43
100%		-20	5530046.64	46.64
100%		-10	5530039.96	39.96
100%		0	5530035.11	35.11
100%		+10	5530032.96	32.96
100%		+30	5530031.73	31.73
100%		+40	5530041.30	41.30
100%		+50	5530046.80	46.80
HIGH	4.38	+20	5530045.67	45.67
LOW	3.65	+20	5530046.78	46.78

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: 3.86 VDC

Voltage (%)	Power (VDC)	Temp. (℃)	Frequency (kHz)	Frequency Error (kHz)
100%	3.86	+20(Ref)	5775042.77	42.77
100%		-30	5775051.63	51.63
100%		-20	5775044.24	44.24
100%		-10	5775038.80	38.80
100%		0	5775034.04	34.04
100%		+10	5775030.55	30.55
100%		+30	5775031.95	31.95
100%		+40	5775042.29	42.29
100%		+50	5775047.66	47.66
HIGH	4.38	+20	5775045.54	45.54
LOW	3.65	+20	5775045.85	45.85

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.

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)				5708.92	16.08
802.11ac(VHT20)				5709.16	15.84
802.11a	UNII 3	5720	144	5730.76	5.76
802.11n(HT20)				5730.84	5.84
802.11ac(VHT20)				5731.00	6.00

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	5688.80	36.20
802.11ac(VHT40)				5689.12	35.88
802.11n(HT40)	UNII 3	5710	142	5731.04	6.04
802.11ac(VHT40)				5731.44	6.44

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11ac(VHT80)	UNII 2C	5690	138	5649.20	75.80
	UNII 3	5690	138	5730.68	5.68

Note:

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

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

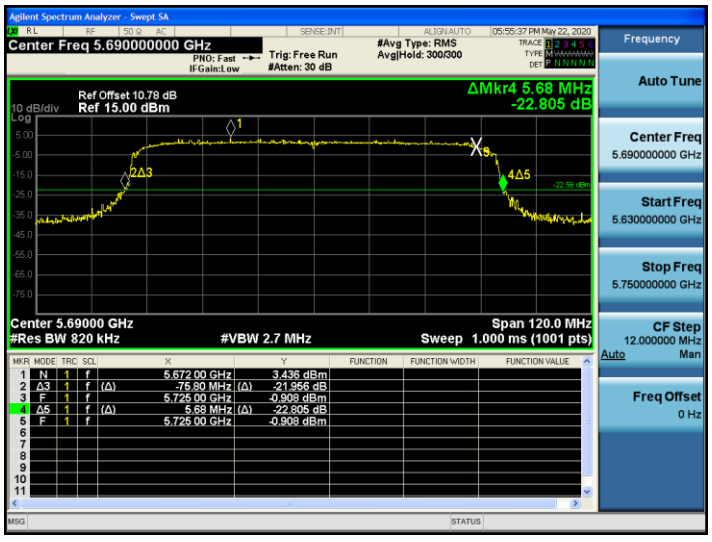
▣ Test Plots (26dB Bandwidth)

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	5727.96	2.96	> 0.5
802.11n(HT20)				5728.44	3.44	> 0.5
802.11ac(VHT20)				5728.40	3.40	> 0.5

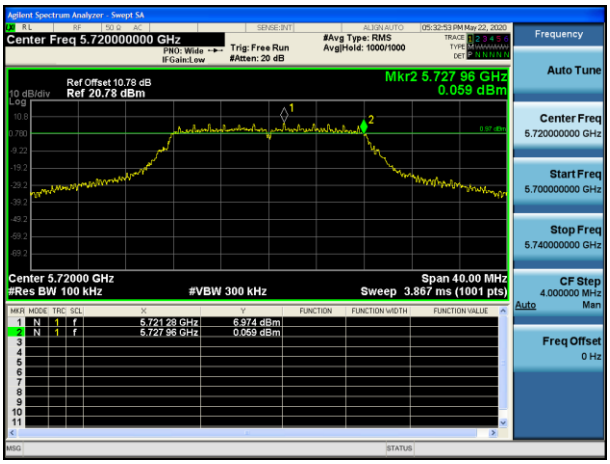
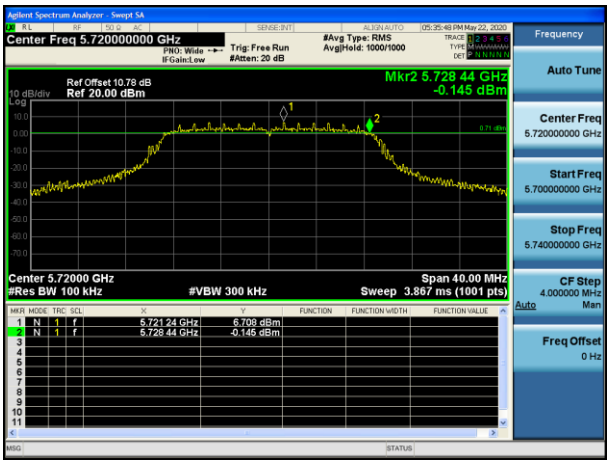
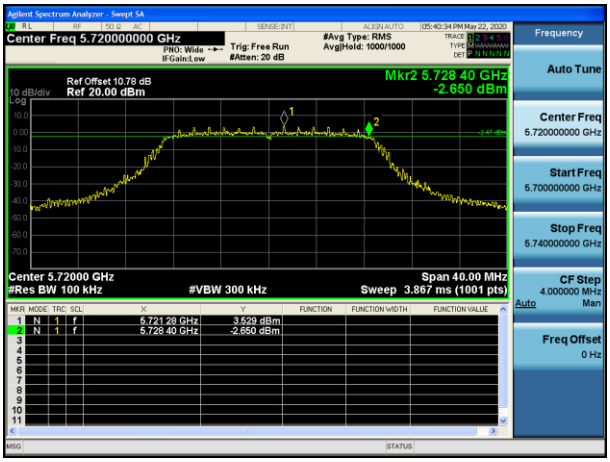
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5727.84	2.84	> 0.5
802.11ac(VHT40)				5727.84	2.84	> 0.5

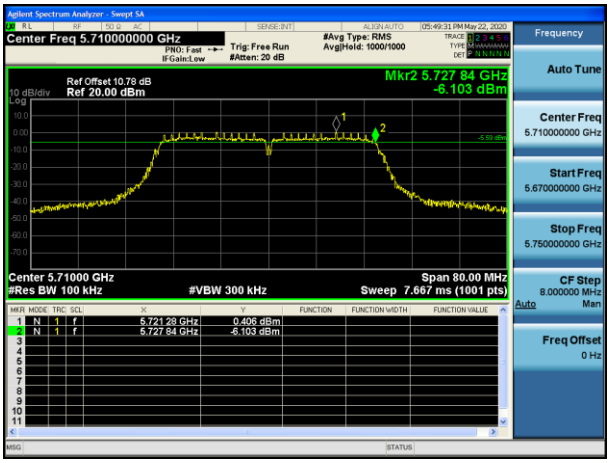
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5727.68	2.68	> 0.5

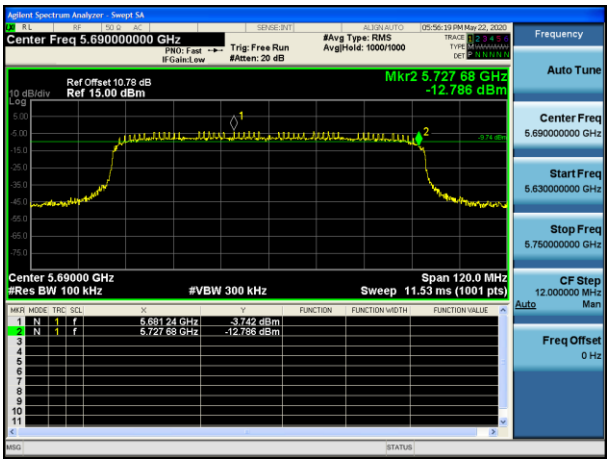
Note:

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


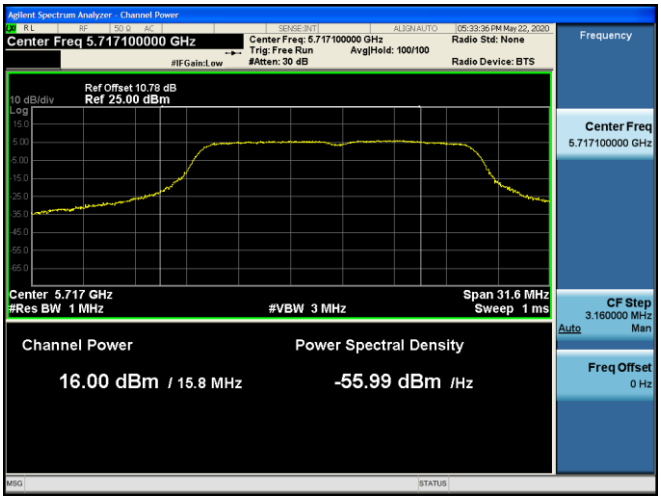
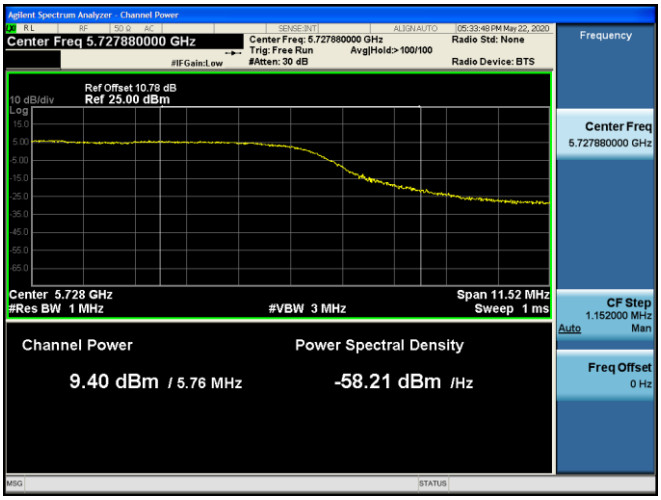
10.7.3 Output Power

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	16.00	1.500	17.50	22.99
802.11n(HT20)			16.11	1.594	17.70	23.06
802.11ac(VHT20)			13.10	1.497	14.59	23.00
802.11a	5720 (UNII 3 Band)	144	9.40	1.500	10.90	30.00
802.11n(HT20)			9.77	1.594	11.37	30.00
802.11ac(VHT20)			6.73	1.497	8.22	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	14.02	2.020	16.04	23.98
802.11ac(VHT40)			13.08	1.648	14.72	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	3.23	2.020	5.25	30.00
802.11ac(VHT40)			2.34	1.648	3.99	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	10.68	2.824	13.50	23.98
	5690 (UNII 3 Band)	138	-4.89	2.824	-2.07	30.00

▣ Test Plots_

802.11a UNII 2C Band	802.11a UNII 3 Band
	
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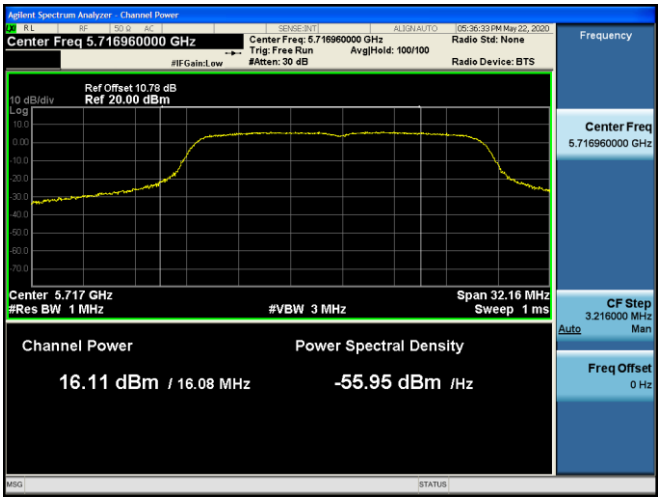	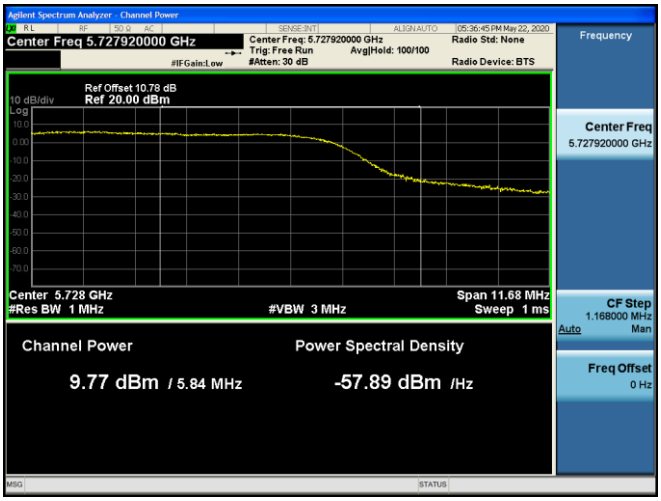
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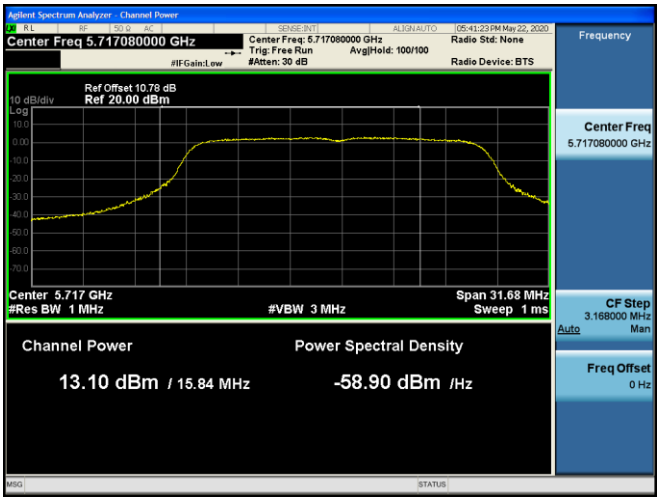
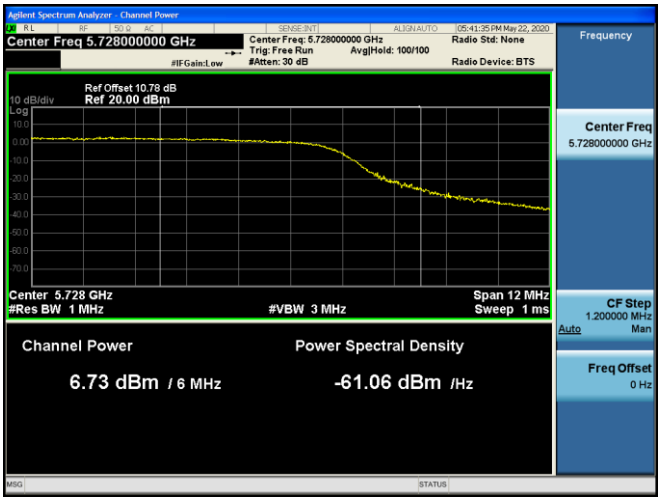
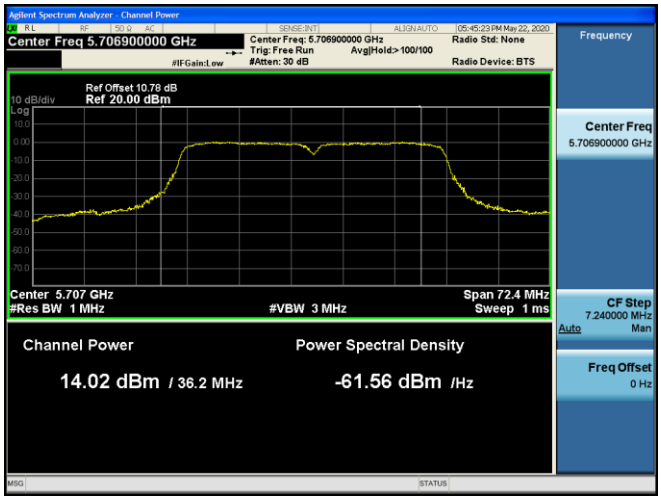
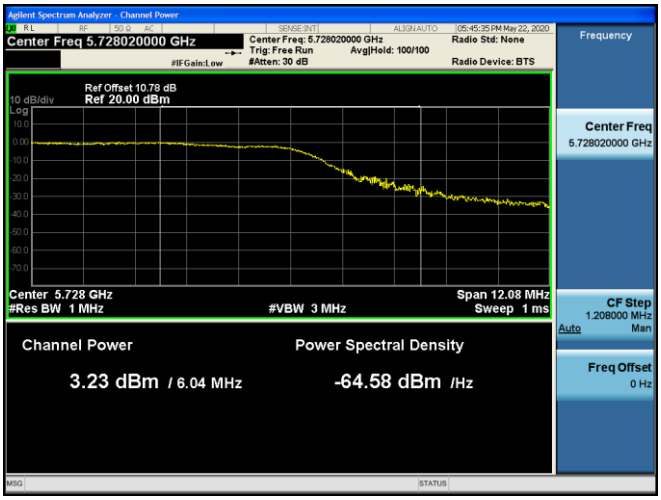
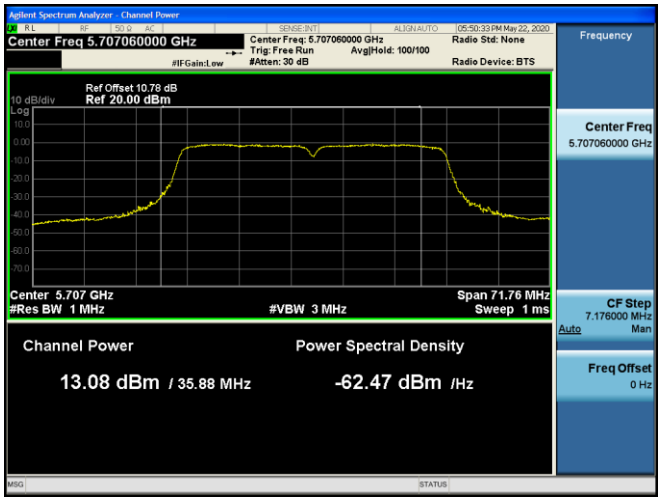
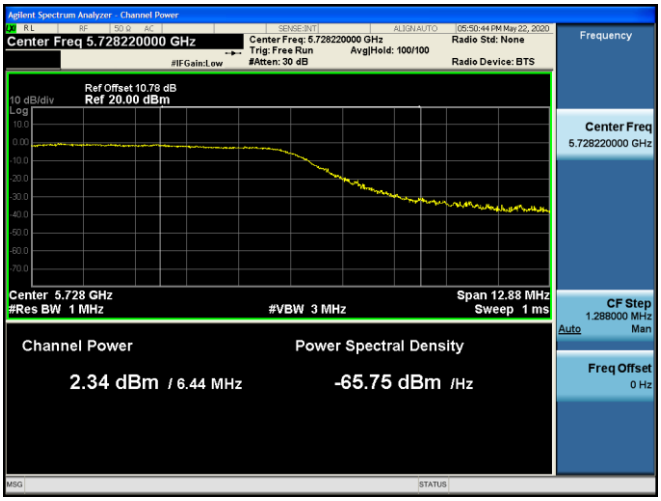
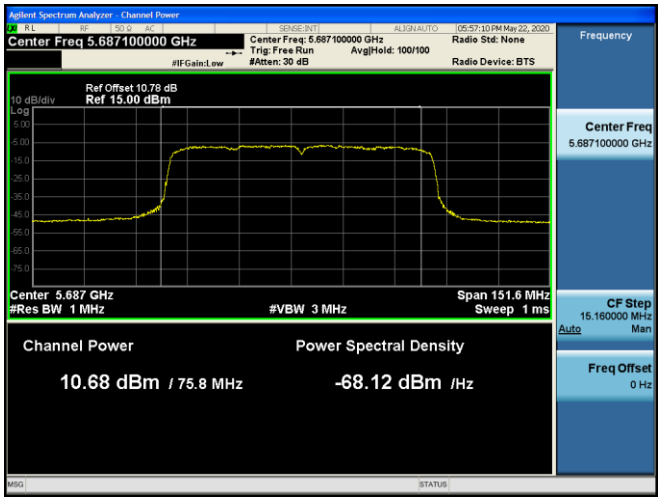
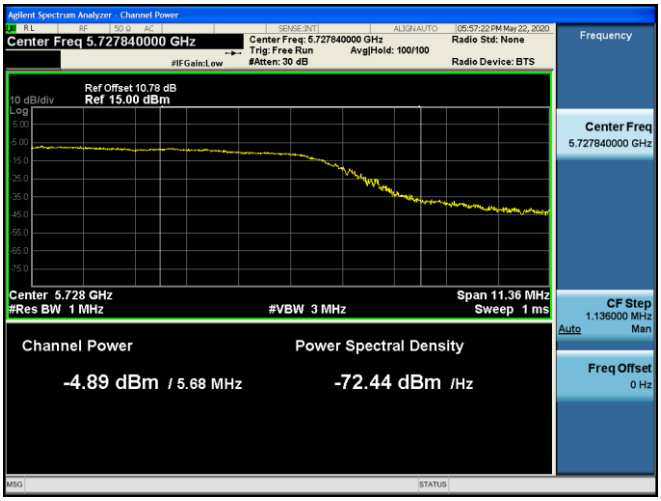
	

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
	
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
	
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**
	

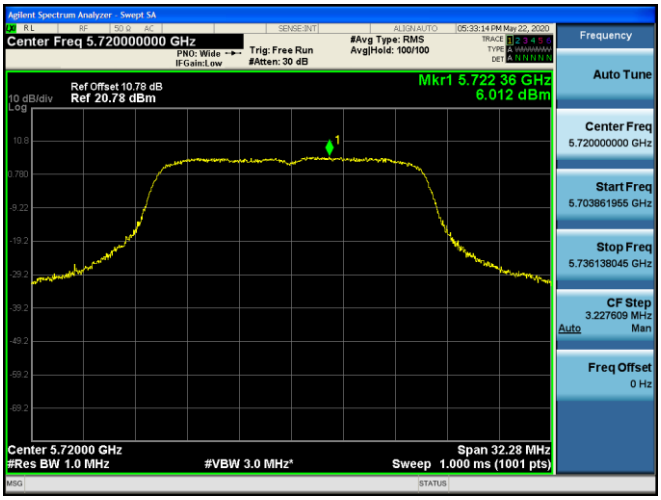
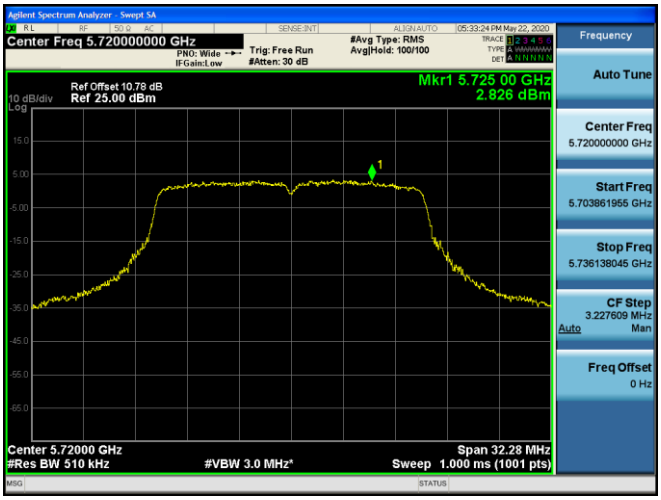
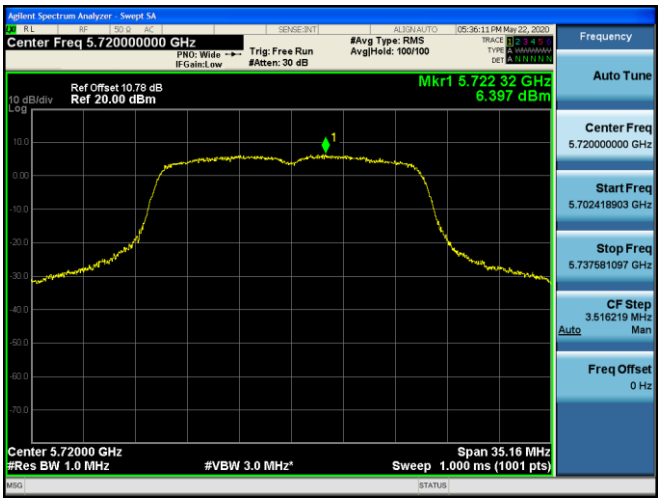
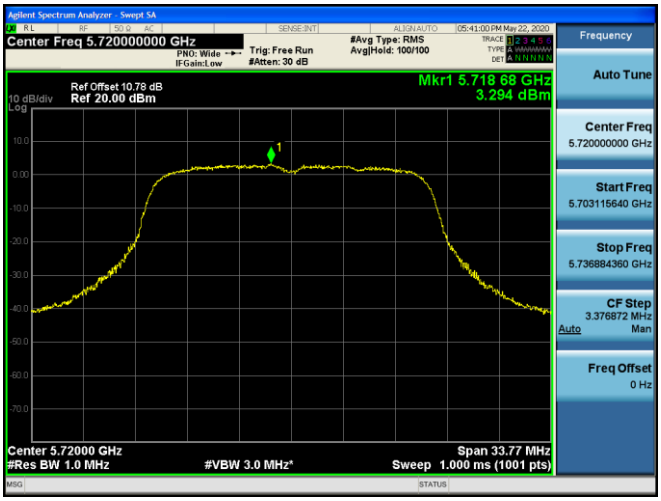
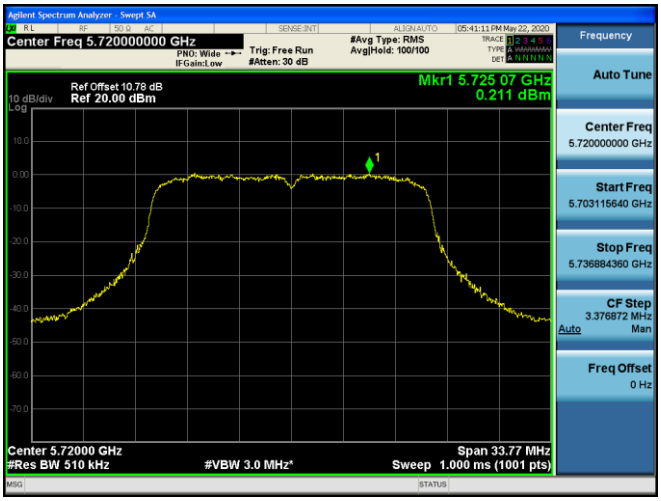
10.7.4 Power Spectral Density

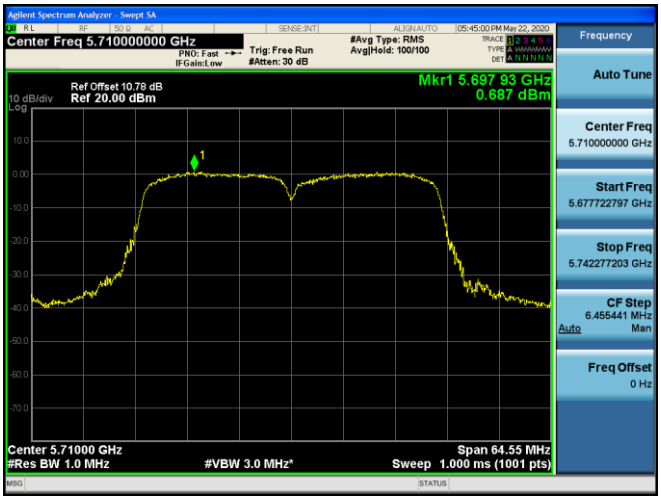
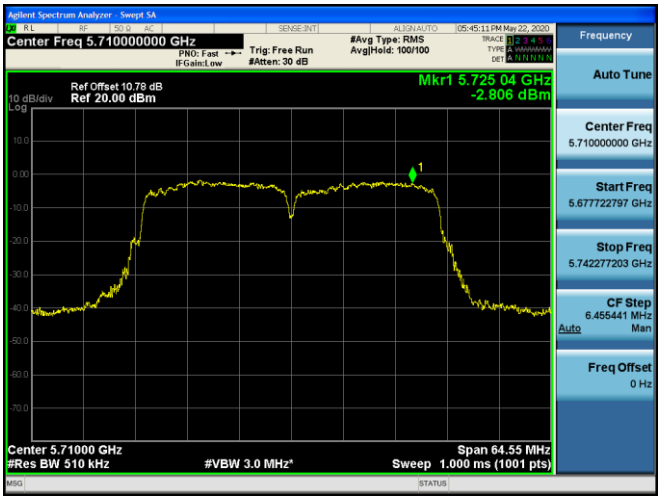
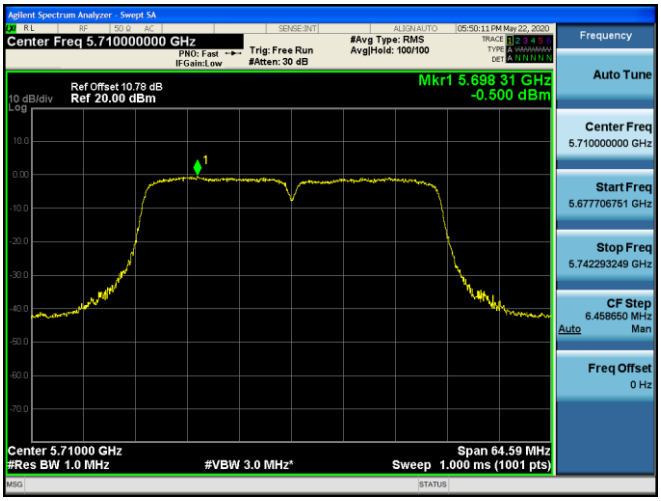
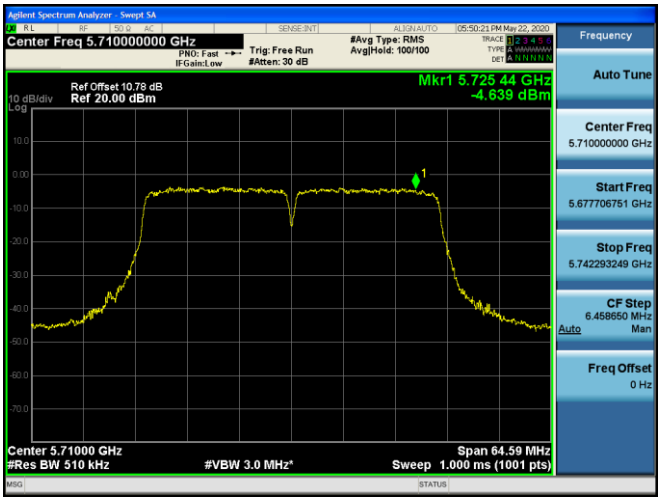
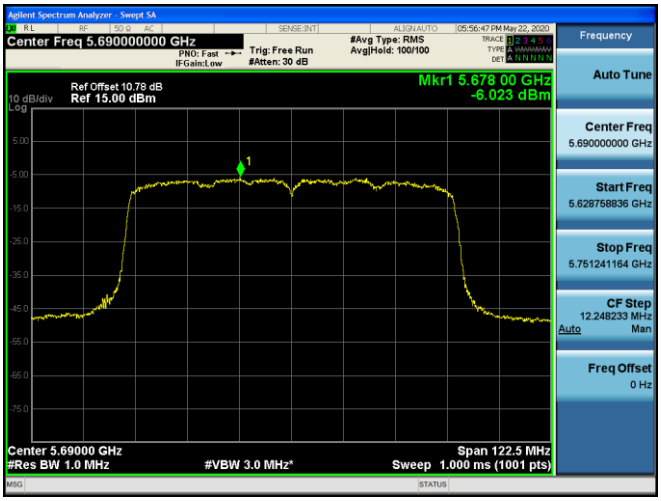
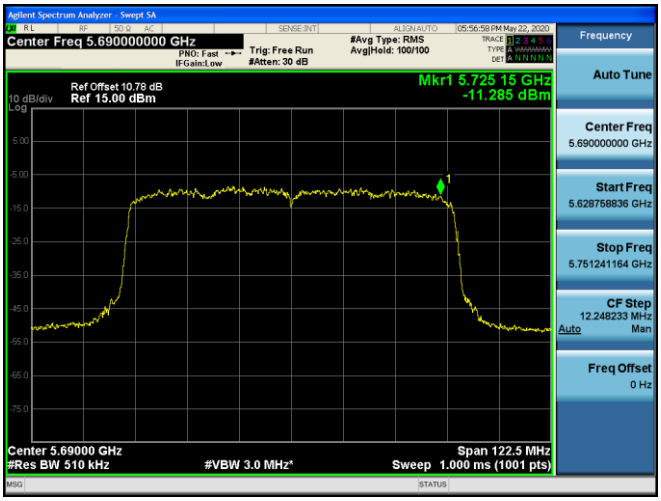
Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	6.012	1.500	7.512	11dBm/ MHz
802.11n(HT20)			6.397	1.594	7.991	
802.11ac(VHT20)			3.294	1.497	4.791	
802.11a	5720 (UNII 3 Band)	144	2.826	1.500	4.326	30 dBm/ 500kHz
802.11n(HT20)			2.805	1.594	4.399	
802.11ac(VHT20)			0.211	1.497	1.708	

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	0.687	2.020	2.707	11dBm/ MHz
802.11ac(VHT40)			-0.500	1.648	1.148	
802.11n(HT40)	5710 (UNII 3 Band)	142	-2.806	2.020	-0.786	30 dBm/ 500kHz
802.11ac(VHT40)			-4.639	1.648	-2.991	

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-6.023	2.824	-3.199	11dBm/ MHz
	5690 (UNII 3 Band)	138	-11.285	2.824	-8.461	30 dBm/ 500kHz

▣ Test Plots

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

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

10.8 RADIATED SPURIOUS EMISSIONS

Frequency Range : 9 kHz – 30MHz

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

Note:

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

Frequency Range : Below 1 GHz

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

Note:

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

Frequency Range : Above 1 GHz

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	43.22	9.17	V	52.39	68.20	15.81	PK
15540	43.64	13.42	V	57.06	73.98	16.92	PK
15540	30.93	13.42	V	44.35	53.98	9.63	AV
10360	43.59	9.17	H	52.76	68.20	15.44	PK
15540	44.81	13.42	H	58.23	73.98	15.75	PK
15540	31.12	13.42	H	44.54	53.98	9.44	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	43.20	9.57	V	52.77	68.20	15.43	PK
15600	44.05	13.16	V	57.21	73.98	16.77	PK
15600	30.47	13.16	V	43.63	53.98	10.35	AV
10400	44.08	9.57	H	53.65	68.20	14.55	PK
15600	44.47	13.16	H	57.63	73.98	16.35	PK
15600	30.51	13.16	H	43.67	53.98	10.31	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	43.13	9.94	V	53.07	68.20	15.13	PK
15720	42.66	13.28	V	55.94	73.98	18.04	PK
15720	29.43	13.28	V	42.71	53.98	11.27	AV
10480	44.65	9.94	H	54.59	68.20	13.61	PK
15720	43.51	13.28	H	56.79	73.98	17.19	PK
15720	29.52	13.28	H	42.80	53.98	11.18	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	43.10	9.96	V	53.06	68.20	15.14	PK
15780	41.51	13.29	V	54.80	73.98	19.18	PK
15780	28.58	13.29	V	41.87	53.98	12.11	AV
10520	44.21	9.96	H	54.17	68.20	14.03	PK
15780	42.91	13.29	H	56.20	73.98	17.78	PK
15780	28.76	13.29	H	42.05	53.98	11.93	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	42.39	10.34	V	52.73	73.98	21.25	PK
10600	29.22	10.34	V	39.56	53.98	14.42	AV
15900	42.99	13.19	V	56.18	73.98	17.80	PK
15900	29.41	13.19	V	42.60	53.98	11.38	AV
10600	43.02	10.34	H	53.36	73.98	20.62	PK
10600	29.29	10.34	H	39.63	53.98	14.35	AV
15900	43.16	13.19	H	56.35	73.98	17.63	PK
15900	29.57	13.19	H	42.76	53.98	11.22	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	43.09	10.30	V	53.39	73.98	20.59	PK
10640	29.16	10.30	V	39.46	53.98	14.52	AV
15960	43.50	12.29	V	55.79	73.98	18.19	PK
15960	29.64	12.29	V	41.93	53.98	12.05	AV
10640	43.56	10.30	H	53.86	73.98	20.12	PK
10640	29.26	10.30	H	39.56	53.98	14.42	AV
15960	44.10	12.29	H	56.39	73.98	17.59	PK
15960	29.87	12.29	H	42.16	53.98	11.82	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	42.36	11.12	V	53.48	73.98	20.50	PK
11000	28.41	11.12	V	39.53	53.98	14.45	AV
16500	45.52	12.50	V	58.02	68.20	10.18	PK
11000	43.39	11.12	H	54.51	73.98	19.47	PK
11000	28.95	11.12	H	40.07	53.98	13.91	AV
16500	47.75	12.50	H	60.25	68.20	7.95	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	41.76	11.12	V	52.88	73.98	21.10	PK
11200	28.79	11.12	V	39.91	53.98	14.07	AV
16800	43.99	13.64	V	57.63	68.20	10.57	PK
11200	42.82	11.12	H	53.94	73.98	20.04	PK
11200	29.07	11.12	H	40.19	53.98	13.79	AV
16800	44.54	13.64	H	58.18	68.20	10.02	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	41.64	11.26	V	52.90	73.98	21.08	PK
11440	29.69	11.26	V	40.95	53.98	13.03	AV
17160	44.08	14.70	V	58.78	68.20	9.42	PK
11440	42.77	11.26	H	54.03	73.98	19.95	PK
11440	30.29	11.26	H	41.55	53.98	12.43	AV
17160	47.11	14.70	H	61.81	68.20	6.39	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	42.12	11.54	V	53.66	73.98	20.32	PK
11490	29.39	11.54	V	40.93	53.98	13.05	AV
17235	43.12	15.28	V	58.40	68.20	9.80	PK
11490	43.28	11.54	H	54.82	73.98	19.16	PK
11490	30.16	11.54	H	41.70	53.98	12.28	AV
17235	45.36	15.28	H	60.64	68.20	7.56	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	43.34	10.94	V	54.28	73.98	19.70	PK
11570	30.38	10.94	V	41.32	53.98	12.66	AV
17355	43.81	15.94	V	59.75	68.20	8.45	PK
11570	44.75	10.94	H	55.69	73.98	18.29	PK
11570	30.52	10.94	H	41.46	53.98	12.52	AV
17355	46.18	15.94	H	62.12	68.20	6.08	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	45.62	10.39	V	56.01	73.98	17.97	PK
11650	31.75	10.39	V	42.14	53.98	11.84	AV
17475	45.13	17.24	V	62.37	68.20	5.83	PK
11650	46.27	10.39	H	56.66	73.98	17.32	PK
11650	33.00	10.39	H	43.39	53.98	10.59	AV
17475	47.23	17.24	H	64.47	68.20	3.73	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	43.52	9.17	V	52.69	68.20	15.51	PK
15540	44.92	13.42	V	58.34	73.98	15.64	PK
15540	30.84	13.42	V	44.26	53.98	9.72	AV
10360	43.81	9.17	H	52.98	68.20	15.22	PK
15540	45.34	13.42	H	58.76	73.98	15.22	PK
15540	31.08	13.42	H	44.50	53.98	9.48	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	43.92	9.57	V	53.49	68.20	14.71	PK
15600	43.27	13.16	V	56.43	73.98	17.55	PK
15600	30.26	13.16	V	43.42	53.98	10.56	AV
10400	44.10	9.57	H	53.67	68.20	14.53	PK
15600	44.65	13.16	H	57.81	73.98	16.17	PK
15600	30.68	13.16	H	43.84	53.98	10.14	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	43.37	9.94	V	53.31	68.20	14.89	PK
15720	42.16	13.28	V	55.44	73.98	18.54	PK
15720	29.38	13.28	V	42.66	53.98	11.32	AV
10480	43.81	9.94	H	53.75	68.20	14.45	PK
15720	43.66	13.28	H	56.94	73.98	17.04	PK
15720	29.79	13.28	H	43.07	53.98	10.91	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	44.03	9.96	V	53.99	68.20	14.21	PK
15780	42.11	13.29	V	55.40	73.98	18.58	PK
15780	29.15	13.29	V	42.44	53.98	11.54	AV
10520	44.61	9.96	H	54.57	68.20	13.63	PK
15780	43.47	13.29	H	56.76	73.98	17.22	PK
15780	29.18	13.29	H	42.47	53.98	11.51	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	43.48	10.34	V	53.82	73.98	20.16	PK
10600	30.55	10.34	V	40.89	53.98	13.09	AV
15900	42.52	13.19	V	55.71	73.98	18.27	PK
15900	29.87	13.19	V	43.06	53.98	10.92	AV
10600	45.12	10.34	H	55.46	73.98	18.52	PK
10600	30.88	10.34	H	41.22	53.98	12.76	AV
15900	43.39	13.19	H	56.58	73.98	17.40	PK
15900	30.02	13.19	H	43.21	53.98	10.77	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	42.34	10.30	V	52.64	73.98	21.34	PK
10640	30.68	10.30	V	40.98	53.98	13.00	AV
15960	43.74	12.29	V	56.03	73.98	17.95	PK
15960	30.30	12.29	V	42.59	53.98	11.39	AV
10640	44.82	10.30	H	55.12	73.98	18.86	PK
10640	30.87	10.30	H	41.17	53.98	12.81	AV
15960	44.40	12.29	H	56.69	73.98	17.29	PK
15960	30.42	12.29	H	42.71	53.98	11.27	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	41.87	11.12	V	52.99	73.98	20.99	PK
11000	28.75	11.12	V	39.87	53.98	14.11	AV
16500	47.06	12.50	V	59.56	68.20	8.64	PK
11000	42.66	11.12	H	53.78	73.98	20.20	PK
11000	29.09	11.12	H	40.21	53.98	13.77	AV
16500	48.72	12.50	H	61.22	68.20	6.98	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	41.75	11.12	V	52.87	73.98	21.11	PK
11200	28.45	11.12	V	39.57	53.98	14.41	AV
16800	44.87	13.64	V	58.51	68.20	9.69	PK
11200	42.78	11.12	H	53.90	73.98	20.08	PK
11200	29.03	11.12	H	40.15	53.98	13.83	AV
16800	45.98	13.64	H	59.62	68.20	8.58	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	43.68	11.26	V	54.94	73.98	19.04	PK
11440	29.68	11.26	V	40.94	53.98	13.04	AV
17160	44.65	14.70	V	59.35	68.20	8.85	PK
11440	44.36	11.26	H	55.62	73.98	18.36	PK
11440	30.95	11.26	H	42.21	53.98	11.77	AV
17160	47.48	14.70	H	62.18	68.20	6.02	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	42.89	11.54	V	54.43	73.98	19.55	PK
11490	30.03	11.54	V	41.57	53.98	12.41	AV
17235	43.60	15.28	V	58.88	68.20	9.32	PK
11490	44.06	11.54	H	55.60	73.98	18.38	PK
11490	30.40	11.54	H	41.94	53.98	12.04	AV
17235	44.74	15.28	H	60.02	68.20	8.18	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	43.66	10.94	V	54.60	73.98	19.38	PK
11570	30.93	10.94	V	41.87	53.98	12.11	AV
17355	45.81	15.94	V	61.75	68.20	6.45	PK
11570	44.73	10.94	H	55.67	73.98	18.31	PK
11570	31.25	10.94	H	42.19	53.98	11.79	AV
17355	46.75	15.94	H	62.69	68.20	5.51	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	44.81	10.39	V	55.20	73.98	18.78	PK
11650	30.42	10.39	V	40.81	53.98	13.17	AV
17475	45.39	17.24	V	62.63	68.20	5.57	PK
11650	45.62	10.39	H	56.01	73.98	17.97	PK
11650	31.54	10.39	H	41.93	53.98	12.05	AV
17475	46.84	17.24	H	64.08	68.20	4.12	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	42.93	9.17	V	52.10	68.20	16.10	PK
15540	43.74	13.42	V	57.16	73.98	16.82	PK
15540	30.75	13.42	V	44.17	53.98	9.81	AV
10360	43.43	9.17	H	52.60	68.20	15.60	PK
15540	44.75	13.42	H	58.17	73.98	15.81	PK
15540	30.88	13.42	H	44.30	53.98	9.68	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	42.93	9.57	V	52.50	68.20	15.70	PK
15600	43.27	13.16	V	56.43	73.98	17.55	PK
15600	30.38	13.16	V	43.54	53.98	10.44	AV
10400	43.98	9.57	H	53.55	68.20	14.65	PK
15600	44.54	13.16	H	57.70	73.98	16.28	PK
15600	30.43	13.16	H	43.59	53.98	10.39	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	42.02	9.94	V	51.96	68.20	16.24	PK
15720	42.58	13.28	V	55.86	73.98	18.12	PK
15720	29.05	13.28	V	42.33	53.98	11.65	AV
10480	43.21	9.94	H	53.15	68.20	15.05	PK
15720	43.08	13.28	H	56.36	73.98	17.62	PK
15720	29.41	13.28	H	42.69	53.98	11.29	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	43.05	9.96	V	53.01	68.20	15.19	PK
15780	41.78	13.29	V	55.07	73.98	18.91	PK
15780	29.05	13.29	V	42.34	53.98	11.64	AV
10520	44.17	9.96	H	54.13	68.20	14.07	PK
15780	43.41	13.29	H	56.70	73.98	17.28	PK
15780	29.11	13.29	H	42.40	53.98	11.58	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	42.74	10.34	V	53.08	73.98	20.90	PK
10600	29.29	10.34	V	39.63	53.98	14.35	AV
15900	42.54	13.19	V	55.73	73.98	18.25	PK
15900	29.78	13.19	V	42.97	53.98	11.01	AV
10600	43.49	10.34	H	53.83	73.98	20.15	PK
10600	30.15	10.34	H	40.49	53.98	13.49	AV
15900	44.09	13.19	H	57.28	73.98	16.70	PK
15900	30.01	13.19	H	43.20	53.98	10.78	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	42.76	10.30	V	53.06	73.98	20.92	PK
10640	29.78	10.30	V	40.08	53.98	13.90	AV
15960	43.43	12.29	V	55.72	73.98	18.26	PK
15960	30.05	12.29	V	42.34	53.98	11.64	AV
10640	43.88	10.30	H	54.18	73.98	19.80	PK
10640	30.04	10.30	H	40.34	53.98	13.64	AV
15960	44.81	12.29	H	57.10	73.98	16.88	PK
15960	30.28	12.29	H	42.57	53.98	11.41	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	41.58	11.12	V	52.70	73.98	21.28	PK
11000	28.51	11.12	V	39.63	53.98	14.35	AV
16500	45.27	12.50	V	57.77	68.20	10.43	PK
11000	42.08	11.12	H	53.20	73.98	20.78	PK
11000	28.63	11.12	H	39.75	53.98	14.23	AV
16500	46.25	12.50	H	58.75	68.20	9.45	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	41.85	11.12	V	52.97	73.98	21.01	PK
11200	28.44	11.12	V	39.56	53.98	14.42	AV
16800	43.90	13.64	V	57.54	68.20	10.66	PK
11200	42.23	11.12	H	53.35	73.98	20.63	PK
11200	28.60	11.12	H	39.72	53.98	14.26	AV
16800	44.98	13.64	H	58.62	68.20	9.58	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	42.81	11.26	V	54.07	73.98	19.91	PK
11440	29.63	11.26	V	40.89	53.98	13.09	AV
17160	44.20	14.70	V	58.90	68.20	9.30	PK
11440	43.42	11.26	H	54.68	73.98	19.30	PK
11440	29.83	11.26	H	41.09	53.98	12.89	AV
17160	44.90	14.70	H	59.60	68.20	8.60	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	42.71	11.54	V	54.25	73.98	19.73	PK
11490	29.20	11.54	V	40.74	53.98	13.24	AV
17235	43.26	15.28	V	58.54	68.20	9.66	PK
11490	43.84	11.54	H	55.38	73.98	18.60	PK
11490	29.56	11.54	H	41.10	53.98	12.88	AV
17235	44.56	15.28	H	59.84	68.20	8.36	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	43.49	10.94	V	54.43	73.98	19.55	PK
11570	29.31	10.94	V	40.25	53.98	13.73	AV
17355	44.87	15.94	V	60.81	68.20	7.39	PK
11570	44.71	10.94	H	55.65	73.98	18.33	PK
11570	30.52	10.94	H	41.46	53.98	12.52	AV
17355	45.16	15.94	H	61.10	68.20	7.10	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	43.63	10.39	V	54.02	73.98	19.96	PK
11650	30.68	10.39	V	41.07	53.98	12.91	AV
17475	45.78	17.24	V	63.02	68.20	5.18	PK
11650	44.11	10.39	H	54.50	73.98	19.48	PK
11650	30.97	10.39	H	41.36	53.98	12.62	AV
17475	46.11	17.24	H	63.35	68.20	4.85	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	42.88	9.23	V	52.11	68.20	16.09	PK
15570	43.44	13.21	V	56.65	73.98	17.33	PK
15570	30.49	13.21	V	43.70	53.98	10.28	AV
10380	44.63	9.23	H	53.86	68.20	14.34	PK
15570	44.84	13.21	H	58.05	73.98	15.93	PK
15570	31.32	13.21	H	44.53	53.98	9.45	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	42.98	9.83	V	52.81	68.20	15.39	PK
15690	42.29	13.19	V	55.48	73.98	18.50	PK
15690	30.53	13.19	V	43.72	53.98	10.26	AV
10460	43.55	9.83	H	53.38	68.20	14.82	PK
15690	44.10	13.19	H	57.29	73.98	16.69	PK
15690	30.73	13.19	H	43.92	53.98	10.06	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	42.11	9.84	V	51.95	68.20	16.25	PK
15810	42.43	13.30	V	55.73	73.98	18.25	PK
15810	29.58	13.30	V	42.88	53.98	11.10	AV
10540	43.62	9.84	H	53.46	68.20	14.74	PK
15810	42.72	13.30	H	56.02	73.98	17.96	PK
15810	29.81	13.30	H	43.11	53.98	10.87	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	42.93	10.22	V	53.15	73.98	20.83	PK
10620	30.17	10.22	V	40.39	53.98	13.59	AV
15930	42.56	12.71	V	55.27	73.98	18.71	PK
15930	30.04	12.71	V	42.75	53.98	11.23	AV
10620	43.57	10.22	H	53.79	73.98	20.19	PK
10620	30.26	10.22	H	40.48	53.98	13.50	AV
15930	44.03	12.71	H	56.74	73.98	17.24	PK
15930	31.06	12.71	H	43.77	53.98	10.21	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	41.33	11.18	V	52.51	73.98	21.47	PK
11020	29.20	11.18	V	40.38	53.98	13.60	AV
16530	43.39	12.80	V	56.19	68.20	12.01	PK
11020	42.23	11.18	H	53.41	73.98	20.57	PK
11020	29.44	11.18	H	40.62	53.98	13.36	AV
16530	45.06	12.80	H	57.86	68.20	10.34	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11180	41.86	10.89	V	52.75	73.98	21.23	PK
11180	28.53	10.89	V	39.42	53.98	14.56	AV
16770	43.83	13.76	V	57.59	68.20	10.61	PK
11180	42.83	10.89	H	53.72	73.98	20.26	PK
11180	29.00	10.89	H	39.89	53.98	14.09	AV
16770	44.93	13.76	H	58.69	68.20	9.51	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	42.91	11.29	V	54.20	73.98	19.78	PK
11420	29.45	11.29	V	40.74	53.98	13.24	AV
17130	43.66	14.54	V	58.20	68.20	10.00	PK
11420	43.06	11.29	H	54.35	73.98	19.63	PK
11420	30.30	11.29	H	41.59	53.98	12.39	AV
17130	44.81	14.54	H	59.35	68.20	8.85	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	41.39	11.45	V	52.84	73.98	21.14	PK
11510	28.62	11.45	V	40.07	53.98	13.91	AV
17265	43.83	15.19	V	59.02	68.20	9.18	PK
11510	41.95	11.45	H	53.40	73.98	20.58	PK
11510	28.99	11.45	H	40.44	53.98	13.54	AV
17265	44.47	15.19	H	59.66	68.20	8.54	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	40.56	10.48	V	51.04	73.98	22.94	PK
11590	29.06	10.48	V	39.54	53.98	14.44	AV
17385	43.70	16.15	V	59.85	68.20	8.35	PK
11590	42.48	10.48	H	52.96	73.98	21.02	PK
11590	29.40	10.48	H	39.88	53.98	14.10	AV
17385	44.84	16.15	H	60.99	68.20	7.21	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	43.09	9.23	V	52.32	68.20	15.88	PK
15570	43.50	13.21	V	56.71	73.98	17.27	PK
15570	30.08	13.21	V	43.29	53.98	10.69	AV
10380	43.45	9.23	H	52.68	68.20	15.52	PK
15570	44.58	13.21	H	57.79	73.98	16.19	PK
15570	31.32	13.21	H	44.53	53.98	9.45	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	42.75	9.83	V	52.58	68.20	15.62	PK
15690	42.85	13.19	V	56.04	73.98	17.94	PK
15690	30.18	13.19	V	43.37	53.98	10.61	AV
10460	43.29	9.83	H	53.12	68.20	15.08	PK
15690	43.42	13.19	H	56.61	73.98	17.37	PK
15690	30.42	13.19	H	43.61	53.98	10.37	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	42.91	9.84	V	52.75	68.20	15.45	PK
15810	41.61	13.30	V	54.91	73.98	19.07	PK
15810	29.29	13.30	V	42.59	53.98	11.39	AV
10540	43.41	9.84	H	53.25	68.20	14.95	PK
15810	43.10	13.30	H	56.40	73.98	17.58	PK
15810	29.63	13.30	H	42.93	53.98	11.05	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	42.93	10.22	V	53.15	73.98	20.83	PK
10620	30.06	10.22	V	40.28	53.98	13.70	AV
15930	43.61	12.71	V	56.32	73.98	17.66	PK
15930	30.66	12.71	V	43.37	53.98	10.61	AV
10620	43.29	10.22	H	53.51	73.98	20.47	PK
10620	30.20	10.22	H	40.42	53.98	13.56	AV
15930	44.16	12.71	H	56.87	73.98	17.11	PK
15930	31.05	12.71	H	43.76	53.98	10.22	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	41.54	11.18	V	52.72	73.98	21.26	PK
11020	29.02	11.18	V	40.20	53.98	13.78	AV
16530	44.70	12.80	V	57.50	68.20	10.70	PK
11020	42.87	11.18	H	54.05	73.98	19.93	PK
11020	29.29	11.18	H	40.47	53.98	13.51	AV
16530	45.01	12.80	H	57.81	68.20	10.39	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11180	40.77	10.89	V	51.66	73.98	22.32	PK
11180	28.61	10.89	V	39.50	53.98	14.48	AV
16770	44.62	13.76	V	58.38	68.20	9.82	PK
11180	42.08	10.89	H	52.97	73.98	21.01	PK
11180	28.98	10.89	H	39.87	53.98	14.11	AV
16770	45.80	13.76	H	59.56	68.20	8.64	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	41.95	11.29	V	53.24	73.98	20.74	PK
11420	29.49	11.29	V	40.78	53.98	13.20	AV
17130	42.44	14.54	V	56.98	68.20	11.22	PK
11420	42.92	11.29	H	54.21	73.98	19.77	PK
11420	30.03	11.29	H	41.32	53.98	12.66	AV
17130	44.87	14.54	H	59.41	68.20	8.79	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	40.76	11.45	V	52.21	73.98	21.77	PK
11510	28.36	11.45	V	39.81	53.98	14.17	AV
17265	42.67	15.19	V	57.86	68.20	10.34	PK
11510	41.85	11.45	H	53.30	73.98	20.68	PK
11510	28.73	11.45	H	40.18	53.98	13.80	AV
17265	44.31	15.19	H	59.50	68.20	8.70	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	40.35	10.48	V	50.83	73.98	23.15	PK
11590	29.02	10.48	V	39.50	53.98	14.48	AV
17385	43.79	16.15	V	59.94	68.20	8.26	PK
11590	42.68	10.48	H	53.16	73.98	20.82	PK
11590	29.17	10.48	H	39.65	53.98	14.33	AV
17385	44.58	16.15	H	60.73	68.20	7.47	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	42.67	9.19	V	51.86	68.20	16.34	PK
15630	43.72	13.57	V	57.29	73.98	16.69	PK
15630	30.67	13.57	V	44.24	53.98	9.74	AV
10420	43.97	9.19	H	53.16	68.20	15.04	PK
15630	43.86	13.57	H	57.43	73.98	16.55	PK
15630	30.97	13.57	H	44.54	53.98	9.44	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	42.71	10.35	V	53.06	68.20	15.14	PK
15870	42.26	13.05	V	55.31	73.98	18.67	PK
15870	30.02	13.05	V	43.07	53.98	10.91	AV
10580	43.46	10.35	H	53.81	68.20	14.39	PK
15870	44.50	13.05	H	57.55	73.98	16.43	PK
15870	30.39	13.05	H	43.44	53.98	10.54	AV

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	41.25	10.95	V	52.20	73.98	21.78	PK
11060	28.51	10.95	V	39.46	53.98	14.52	AV
16590	43.26	12.73	V	55.99	68.20	12.21	PK
11060	42.20	10.95	H	53.15	73.98	20.83	PK
11060	28.82	10.95	H	39.77	53.98	14.21	AV
16590	44.46	12.73	H	57.19	68.20	11.01	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11220	43.51	10.82	V	54.33	73.98	19.65	PK
11220	30.38	10.82	V	41.20	53.98	12.78	AV
16830	43.71	14.47	V	58.18	68.20	10.02	PK
11220	44.52	10.82	H	55.34	73.98	18.64	PK
11220	31.74	10.82	H	42.56	53.98	11.42	AV
16830	44.41	14.47	H	58.88	68.20	9.32	PK

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

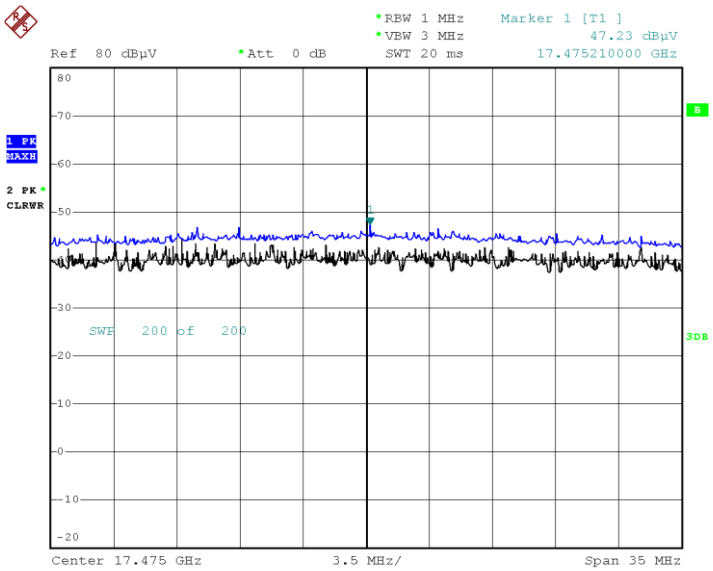
Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	41.26	11.38	V	52.64	73.98	21.34	PK
11380	29.26	11.38	V	40.64	53.98	13.34	AV
17070	42.71	14.66	V	57.37	68.20	10.83	PK
11380	42.49	11.38	H	53.87	73.98	20.11	PK
11380	29.40	11.38	H	40.78	53.98	13.20	AV
17070	43.48	14.66	H	58.14	68.20	10.06	PK

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

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	40.16	11.00	V	51.16	73.98	22.82	PK
11550	28.31	11.00	V	39.31	53.98	14.67	AV
17325	42.71	15.71	V	58.42	68.20	9.78	PK
11550	41.84	11.00	H	52.84	73.98	21.14	PK
11550	28.62	11.00	H	39.62	53.98	14.36	AV
17325	44.25	15.71	H	59.96	68.20	8.24	PK

▣ Test Plots

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



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	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	51.98	8.02	H	60.00	73.98	13.98	PK
5150	36.03	8.02	H	44.05	53.98	9.93	AV
5150	48.56	8.02	V	56.58	73.98	17.40	PK
5150	35.63	8.02	V	43.65	53.98	10.33	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	49.16	7.87	H	57.03	73.98	16.95	PK
5350	35.56	7.87	H	43.43	53.98	10.55	AV
5350	48.04	7.87	V	55.91	73.98	18.07	PK
5350	34.92	7.87	V	42.79	53.98	11.19	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	48.76	8.35	H	57.11	73.98	16.87	PK
5460	35.61	8.35	H	43.96	53.98	10.02	AV
5470	49.18	8.31	H	57.49	68.20	10.71	PK
5460	46.21	8.35	V	54.56	73.98	19.42	PK
5460	34.58	8.31	V	42.89	53.98	11.09	AV
5470	47.47	8.31	V	55.78	68.20	12.42	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	45.37	9.25	H	54.62	68.20	13.58	PK
5850	43.45	9.25	V	52.70	68.20	15.50	PK

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

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP +ATT+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	53.64	8.02	H	61.66	73.98	12.32	PK
5150	36.50	8.02	H	44.52	53.98	9.46	AV
5150	51.84	8.02	V	59.86	73.98	14.12	PK
5150	35.55	8.02	V	43.57	53.98	10.41	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	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.71	7.87	H	58.58	73.98	15.40	PK
5350	35.72	7.87	H	43.59	53.98	10.39	AV
5350	47.26	7.87	V	55.13	73.98	18.85	PK
5350	35.12	7.87	V	42.99	53.98	10.99	AV

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

Frequency [MHz]	Reading DBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	47.41	8.35	H	55.76	73.98	18.22	PK
5460	34.57	8.35	H	42.92	53.98	11.06	AV
5470	48.28	8.31	H	56.59	68.20	11.61	PK
5460	46.96	8.35	V	55.31	73.98	18.67	PK
5460	33.36	8.31	V	41.67	53.98	12.31	AV
5470	47.16	8.31	V	55.47	68.20	12.73	PK

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

Frequency [MHz]	Reading DBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	44.55	9.25	H	53.80	68.20	14.40	PK
5850	44.16	9.25	V	53.41	68.20	14.79	PK

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

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	48.05	8.02	H	56.07	73.98	17.91	PK
5150	34.78	8.02	H	42.80	53.98	11.18	AV
5150	46.79	8.02	V	54.81	73.98	19.17	PK
5150	33.21	8.02	V	41.23	53.98	12.75	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	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	47.30	7.87	H	55.17	73.98	18.81	PK
5350	34.51	7.87	H	42.38	53.98	11.60	AV
5350	46.97	7.87	V	54.84	73.98	19.14	PK
5350	33.29	7.87	V	41.16	53.98	12.82	AV

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

Frequency [MHz]	Reading DBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	46.74	8.35	H	55.09	73.98	18.89	PK
5460	34.15	8.35	H	42.50	53.98	11.48	AV
5470	47.53	8.31	H	55.84	68.20	12.36	PK
5460	44.69	8.35	V	53.04	73.98	20.94	PK
5460	34.04	8.31	V	42.35	53.98	11.63	AV
5470	45.25	8.31	V	53.56	68.20	14.64	PK

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

Frequency [MHz]	Reading DBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	44.40	9.25	H	53.65	68.20	14.55	PK
5850	43.38	9.25	V	52.63	68.20	15.57	PK

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

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	61.86	8.02	H	69.88	73.98	4.10	PK
5150	43.88	8.02	H	51.90	53.98	2.08	AV
5150	58.44	8.02	V	66.46	73.98	7.52	PK
5150	42.71	8.02	V	50.73	53.98	3.25	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	58.88	7.87	H	66.75	73.98	7.23	PK
5350	41.84	7.87	H	49.71	53.98	4.27	AV
5350	58.82	7.87	V	66.69	73.98	7.29	PK
5350	40.42	7.87	V	48.29	53.98	5.69	AV

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

Frequency [MHz]	Reading DBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	46.84	8.35	H	55.19	73.98	18.79	PK
5460	34.54	8.35	H	42.89	53.98	11.09	AV
5470	55.21	8.31	H	63.52	68.20	4.68	PK
5460	45.68	8.35	V	54.03	73.98	19.95	PK
5460	34.04	8.31	V	42.35	53.98	11.63	AV
5470	53.81	8.31	V	62.12	68.20	6.08	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	44.34	9.25	H	53.59	68.20	14.61	PK
5850	43.39	9.25	V	52.64	68.20	15.56	PK

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

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	58.62	8.02	H	66.64	73.98	7.34	PK
5150	43.34	8.02	H	51.36	53.98	2.62	AV
5150	57.27	8.02	V	65.29	73.98	8.69	PK
5150	42.81	8.02	V	50.83	53.98	3.15	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	58.81	7.87	H	66.68	73.98	7.30	PK
5350	42.13	7.87	H	50.00	53.98	3.98	AV
5350	58.54	7.87	V	66.41	73.98	7.57	PK
5350	41.61	7.87	V	49.48	53.98	4.50	AV

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

Frequency [MHz]	Reading DBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	47.07	8.35	H	55.42	73.98	18.56	PK
5460	34.55	8.35	H	42.9	53.98	11.08	AV
5470	56.57	8.31	H	64.88	68.20	3.32	PK
5460	46.48	8.35	V	54.83	73.98	19.15	PK
5460	34.05	8.31	V	42.36	53.98	11.62	AV
5470	54.08	8.31	V	62.39	68.20	5.81	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	44.37	9.25	H	53.62	68.20	14.58	PK
5850	44.09	9.25	V	53.34	68.20	14.86	PK

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

Frequency [MHz]	Reading dBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	58.79	8.02	H	66.81	73.98	7.17	PK
5150	43.16	8.02	H	51.18	53.98	2.80	AV
5150	55.98	8.02	V	64.00	73.98	9.98	PK
5150	42.21	8.02	V	50.23	53.98	3.75	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.78	7.87	H	62.65	73.98	11.33	PK
5350	40.77	7.87	H	48.64	53.98	5.34	AV
5350	53.87	7.87	V	61.74	73.98	12.24	PK
5350	39.19	7.87	V	47.06	53.98	6.92	AV

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

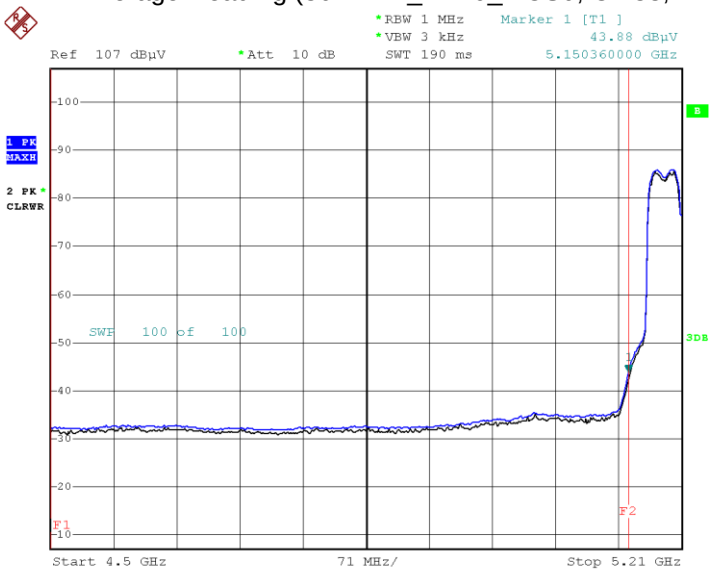
Frequency [MHz]	Reading DBuV	A.F+C.L-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.61	8.35	H	57.96	73.98	16.02	PK
5460	36.39	8.35	H	44.74	53.98	9.24	AV
5470	53.61	8.31	H	61.92	68.20	6.28	PK
5460	47.05	8.35	V	55.4	73.98	18.58	PK
5460	36.05	8.31	V	44.36	53.98	9.62	AV
5470	52.63	8.31	V	60.94	68.20	7.26	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-AMP +ATT+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	44.52	9.25	H	53.77	68.20	14.43	PK
5850	43.06	9.25	V	52.31	68.20	15.89	PK

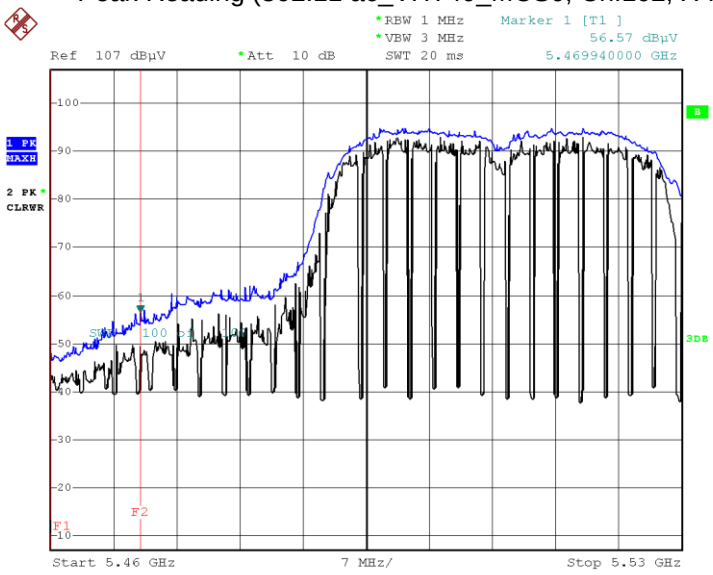
▣ Test Plots(UNII 1, 2A, 2C)

Average Reading (802.11 n_HT40_MCS0, Ch.38, X-H)



Date: 16.MAY.2020 09:46:06

Peak Reading (802.11 ac_VHT40_MCS0, Ch.102, X-H)



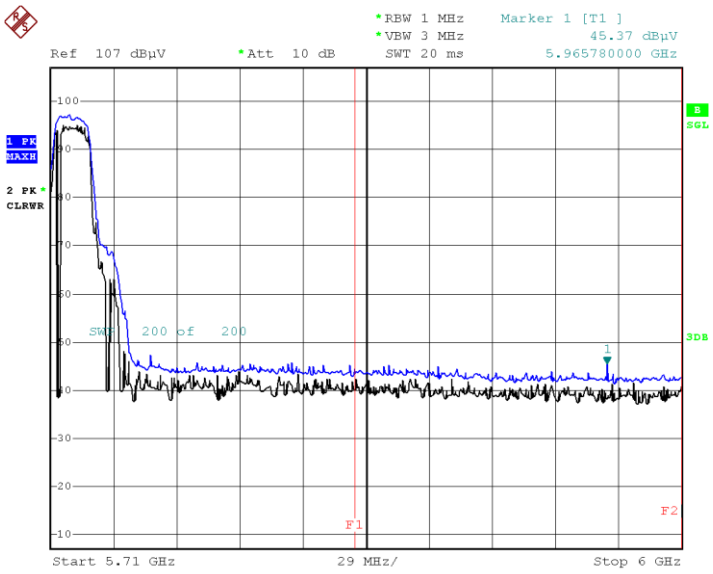
Date: 16.MAY.2020 10:14:34

Note:

Only the worst case plots for Radiated Restricted Band Edge.

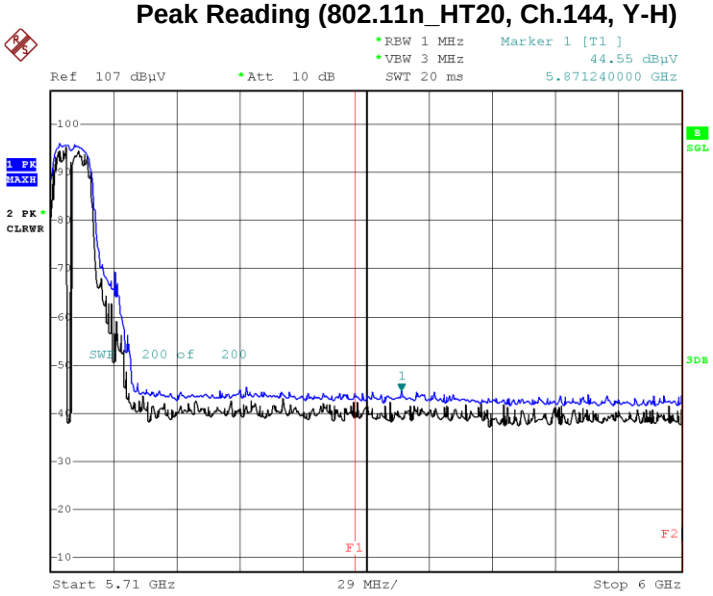
▣ Test Plots(Staraddle Channel)

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



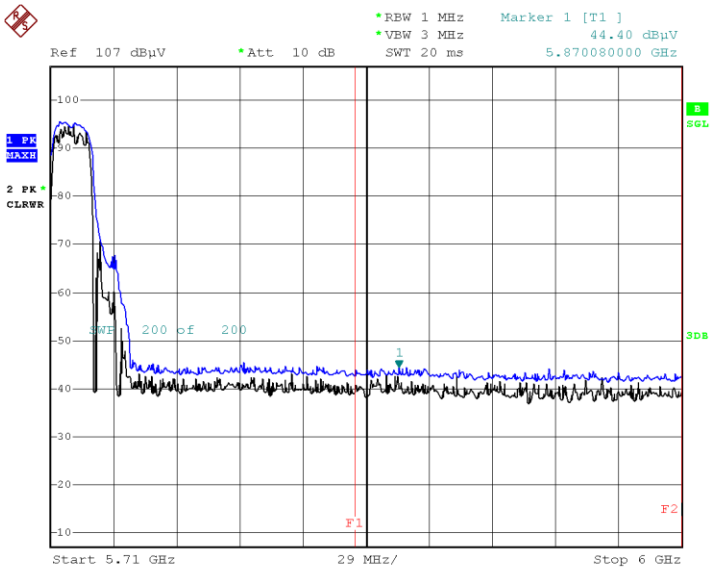
Date: 7.MAY.2020 17:25:20

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



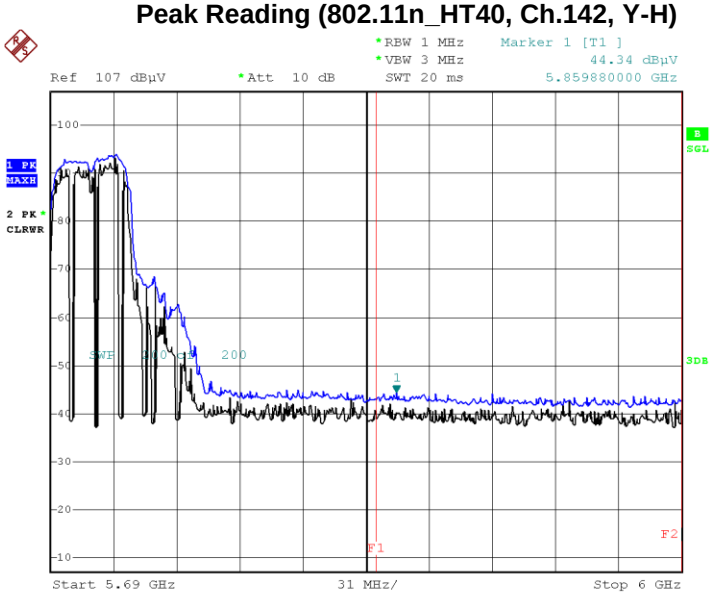
Date: 7.MAY.2020 17:26:33

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



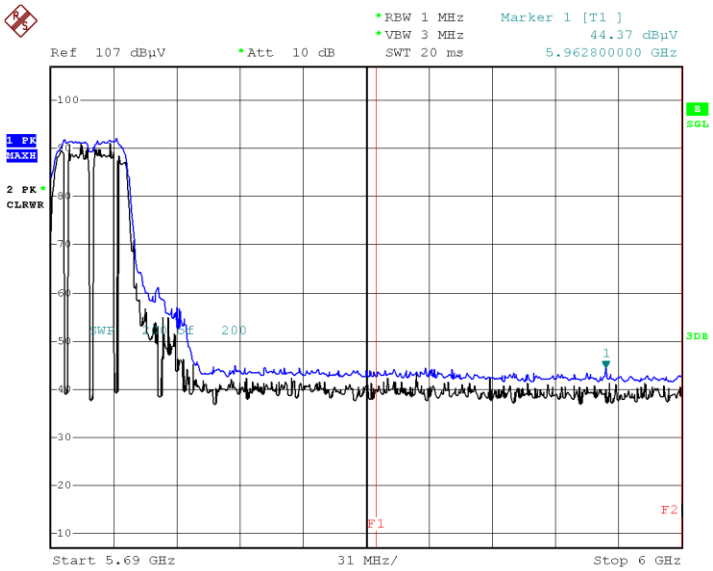
Date: 7.MAY.2020 17:27:37

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



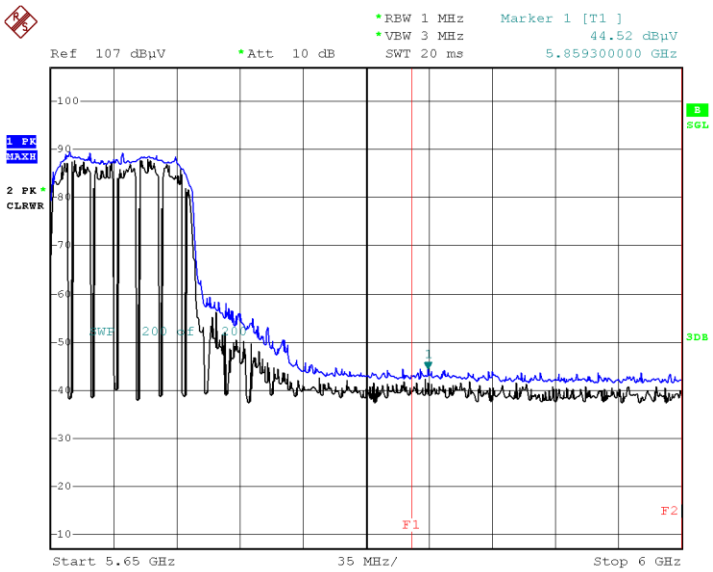
Date: 7.MAY.2020 17:29:05

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



Date: 7.MAY.2020 17:30:15

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



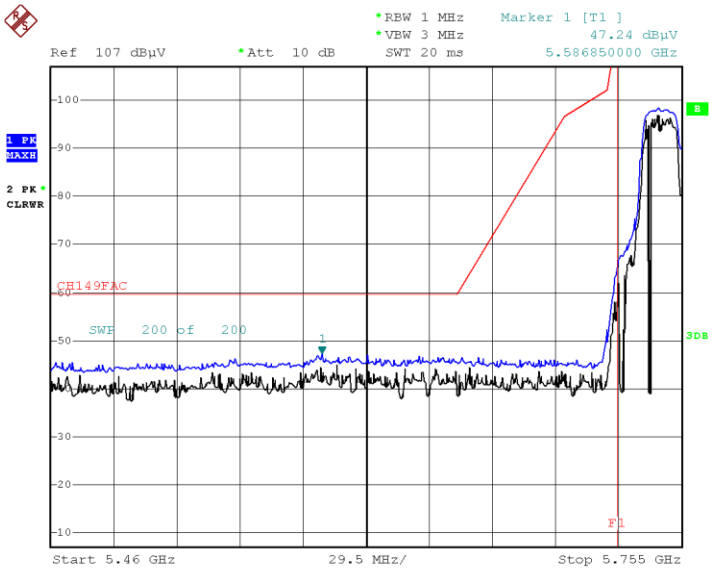
Date: 7.MAY.2020 17:31:43

Note :

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

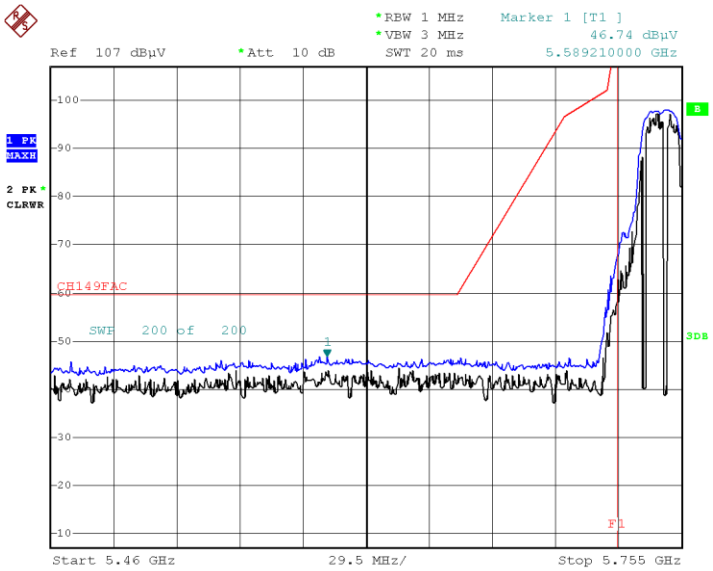
▣ Test Plots(UNII 3)

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



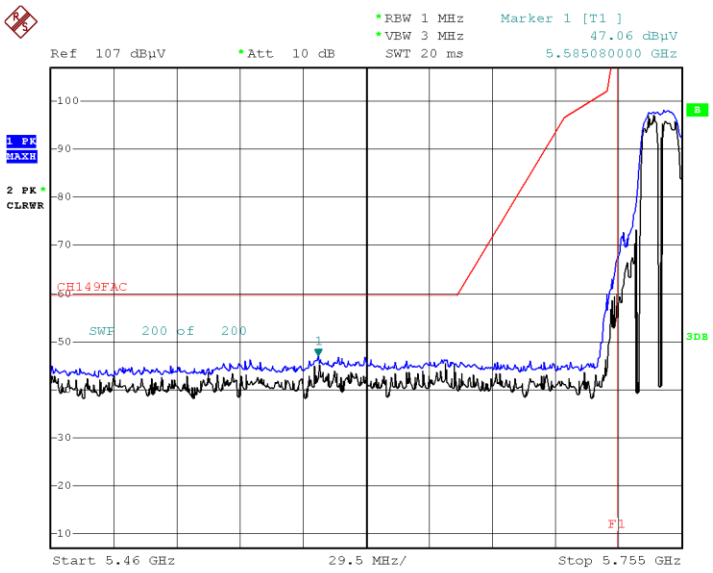
Date: 8.MAY.2020 09:12:17

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



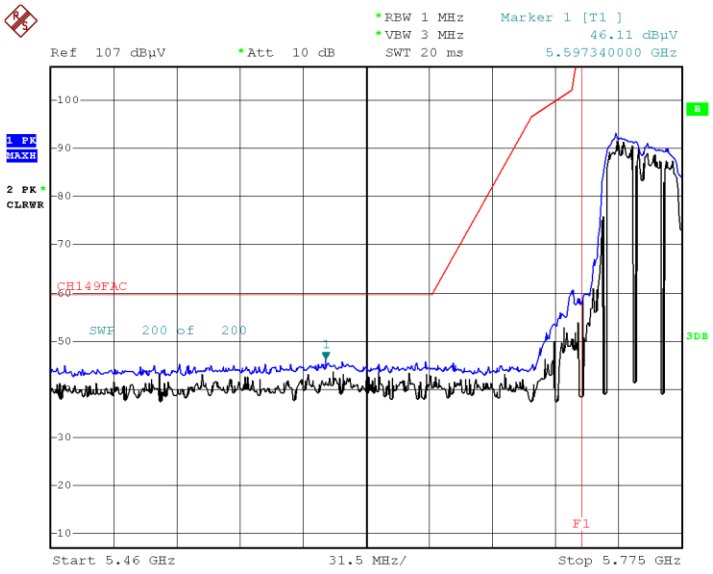
Date: 8.MAY.2020 09:14:03

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



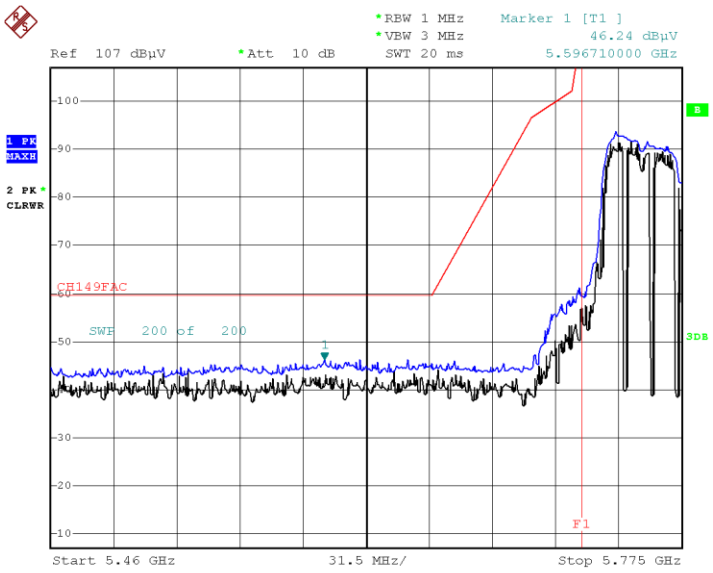
Date: 8.MAY.2020 09:16:04

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



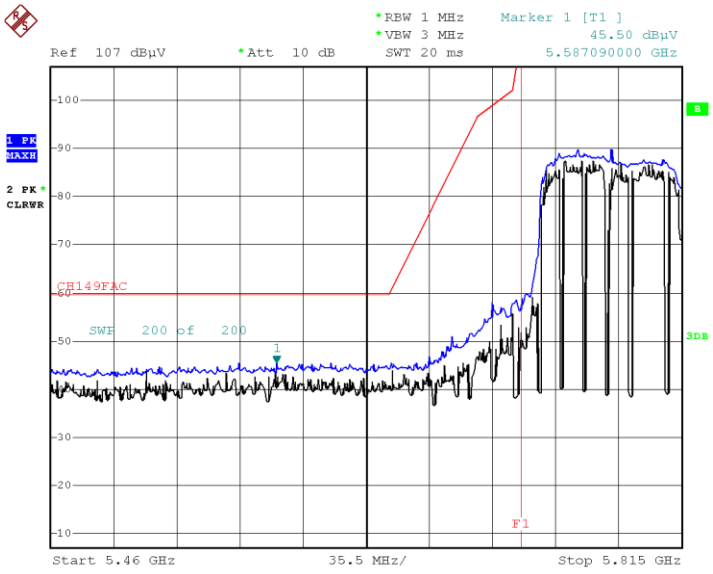
Date: 8.MAY.2020 09:19:36

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



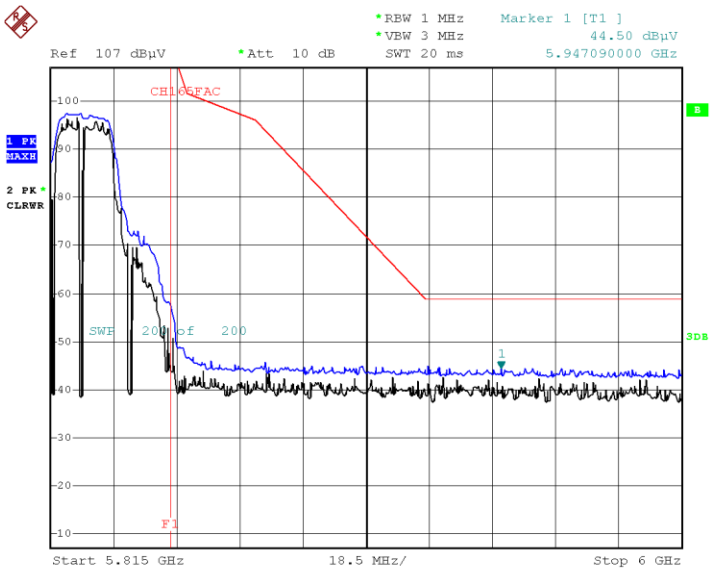
Date: 8.MAY.2020 09:21:21

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



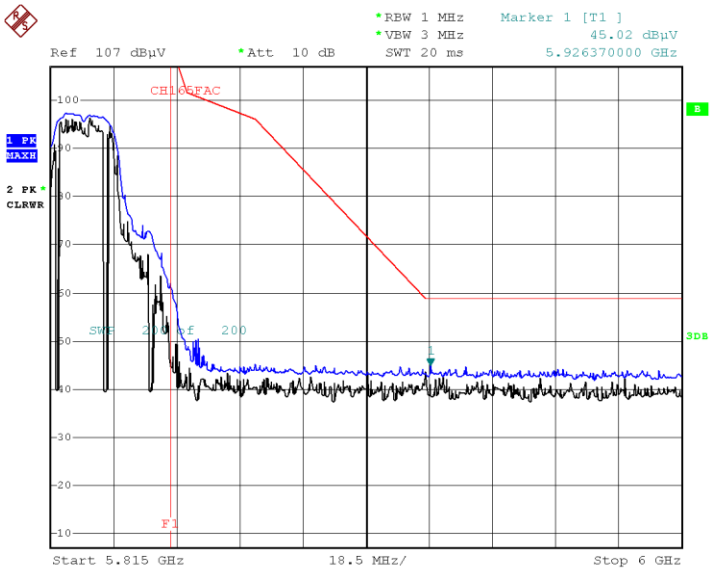
Date: 8.MAY.2020 09:42:25

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



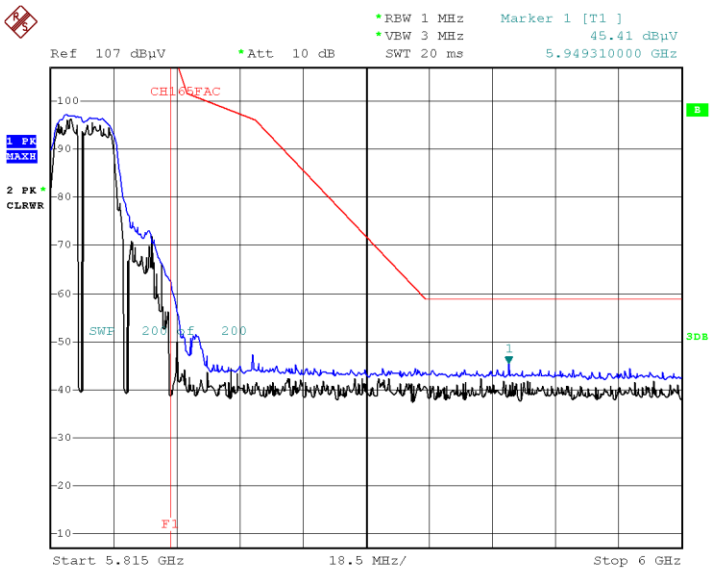
Date: 8.MAY.2020 09:54:10

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



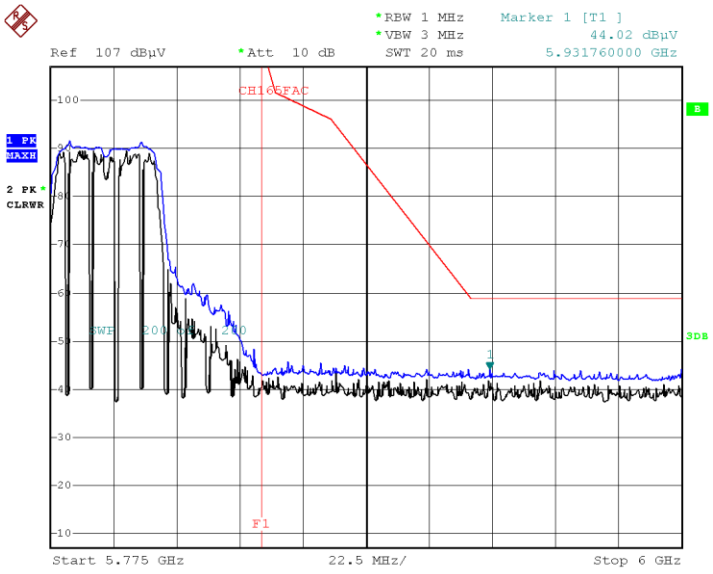
Date: 8.MAY.2020 09:56:15

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



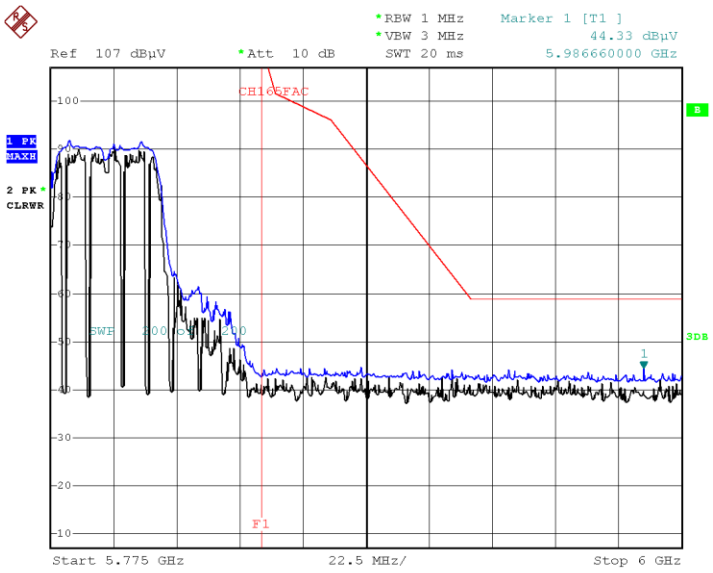
Date: 8.MAY.2020 10:24:37

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



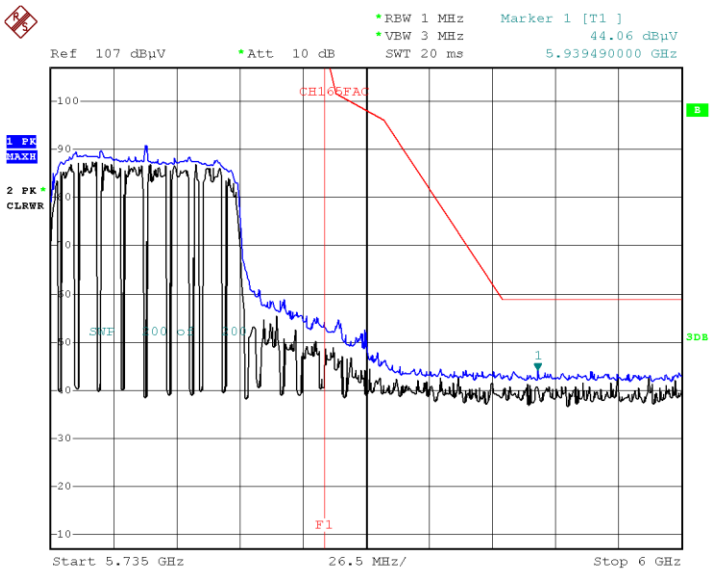
Date: 8.MAY.2020 10:26:54

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



Date: 8.MAY.2020 10:27:46

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



Date: 8.MAY.2020 10:29:43

10.10 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

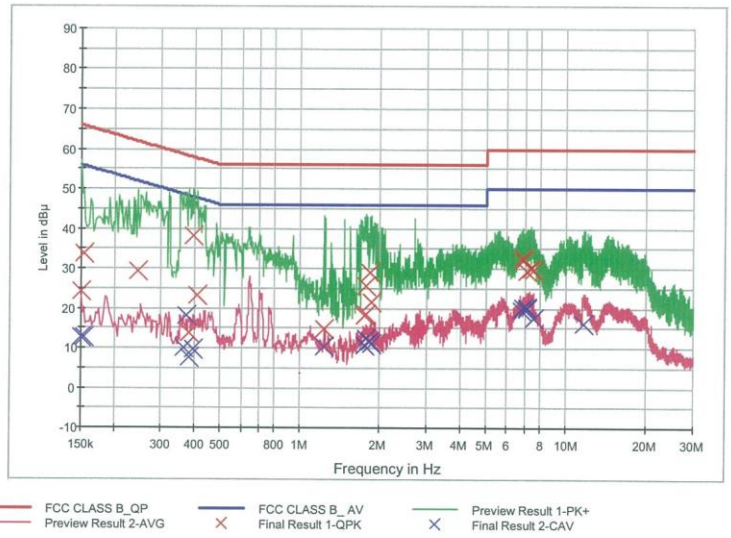
Test 1 / 2

HCT TEST Report

Common Information

EUT:	SM-A516U
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	WLAN 5G_L1

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	24.1	9.000	Off	L1	9.8	41.9	66.0
0.154000	33.9	9.000	Off	L1	9.8	31.9	65.8
0.244000	29.3	9.000	Off	L1	9.8	32.7	62.0
0.382000	13.7	9.000	Off	L1	9.8	44.5	58.2
0.398000	38.0	9.000	Off	L1	9.8	19.9	57.9
0.412000	23.1	9.000	Off	L1	9.8	34.5	57.6
1.234000	14.8	9.000	Off	L1	9.8	41.2	56.0
1.748000	18.2	9.000	Off	L1	9.9	37.8	56.0
1.774000	25.4	9.000	Off	L1	9.9	30.6	56.0
1.778000	18.5	9.000	Off	L1	9.9	37.5	56.0
1.828000	29.1	9.000	Off	L1	9.9	26.9	56.0
1.844000	21.6	9.000	Off	L1	9.9	34.4	56.0
6.874000	32.0	9.000	Off	L1	10.1	28.0	60.0
6.878000	32.6	9.000	Off	L1	10.1	27.4	60.0
7.094000	29.4	9.000	Off	L1	10.1	30.6	60.0
7.102000	29.3	9.000	Off	L1	10.1	30.7	60.0
7.348000	30.1	9.000	Off	L1	10.1	29.9	60.0
7.528000	29.7	9.000	Off	L1	10.1	30.3	60.0

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Test 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	12.8	9.000	Off	L1	9.8	43.2	56.0
0.154000	12.8	9.000	Off	L1	9.8	43.0	55.8
0.364000	10.2	9.000	Off	L1	9.8	38.5	48.6
0.372000	18.1	9.000	Off	L1	9.8	30.4	48.5
0.382000	7.6	9.000	Off	L1	9.8	40.6	48.2
0.398000	9.8	9.000	Off	L1	9.8	38.1	47.9
1.234000	10.2	9.000	Off	L1	9.8	35.8	46.0
1.748000	10.5	9.000	Off	L1	9.9	35.5	46.0
1.774000	12.2	9.000	Off	L1	9.9	33.8	46.0
1.778000	12.2	9.000	Off	L1	9.9	33.8	46.0
1.828000	11.6	9.000	Off	L1	9.9	34.4	46.0
1.844000	11.1	9.000	Off	L1	9.9	34.9	46.0
6.786000	19.6	9.000	Off	L1	10.1	30.4	50.0
6.878000	20.0	9.000	Off	L1	10.1	30.0	50.0
7.094000	20.3	9.000	Off	L1	10.1	29.7	50.0
7.144000	19.8	9.000	Off	L1	10.1	30.2	50.0
7.572000	17.4	9.000	Off	L1	10.1	32.6	50.0
11.628000	16.1	9.000	Off	L1	10.3	33.9	50.0

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Conducted Emissions (Line 2)

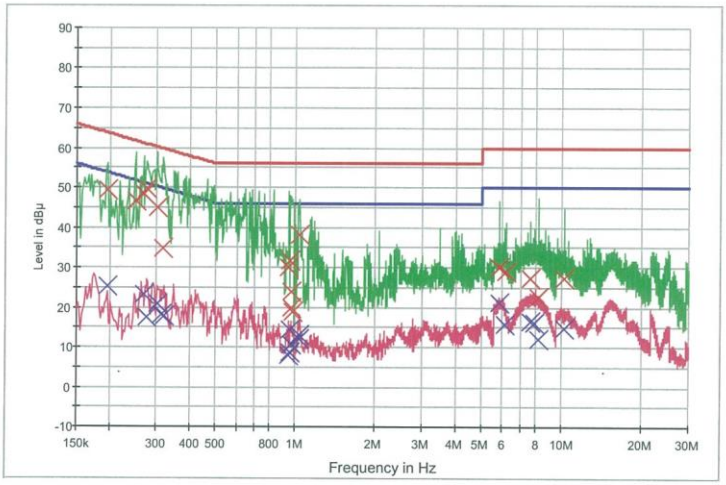
Test 1 / 2

HCT TEST Report

Common Information

EUT:	SM-A516U
Manufacturer:	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions:	WLAN 5G_N

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.196000	49.3	9.000	Off	N	9.8	14.5	63.8
0.250000	46.5	9.000	Off	N	9.8	15.2	61.8
0.268000	48.2	9.000	Off	N	9.8	13.0	61.2
0.276000	49.7	9.000	Off	N	9.8	11.2	60.9
0.302000	45.0	9.000	Off	N	9.8	15.2	60.2
0.318000	34.7	9.000	Off	N	9.8	25.0	59.8
0.938000	30.1	9.000	Off	N	9.8	25.9	56.0
0.948000	31.7	9.000	Off	N	9.8	24.3	56.0
0.958000	24.0	9.000	Off	N	9.8	32.0	56.0
0.964000	19.8	9.000	Off	N	9.8	36.2	56.0
0.974000	18.7	9.000	Off	N	9.8	37.3	56.0
1.038000	38.2	9.000	Off	N	9.8	17.8	56.0
5.808000	30.0	9.000	Off	N	10.1	30.0	60.0
6.168000	29.1	9.000	Off	N	10.1	30.9	60.0
7.662000	27.4	9.000	Off	N	10.1	32.6	60.0
8.188000	22.7	9.000	Off	N	10.2	37.3	60.0
8.192000	22.5	9.000	Off	N	10.2	37.5	60.0
10.220000	27.4	9.000	Off	N	10.3	32.6	60.0

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Test

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Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.196000	25.1	9.000	Off	N	9.8	28.6	53.8
0.268000	23.1	9.000	Off	N	9.8	28.0	51.2
0.276000	17.5	9.000	Off	N	9.8	33.5	50.9
0.304000	20.9	9.000	Off	N	9.8	29.3	50.1
0.314000	18.3	9.000	Off	N	9.8	31.6	49.9
0.320000	17.7	9.000	Off	N	9.8	32.0	49.7
0.938000	8.1	9.000	Off	N	9.8	37.9	46.0
0.948000	8.7	9.000	Off	N	9.8	37.3	46.0
0.956000	14.5	9.000	Off	N	9.8	31.5	46.0
0.964000	10.6	9.000	Off	N	9.8	35.4	46.0
1.030000	12.0	9.000	Off	N	9.8	34.0	46.0
1.038000	13.0	9.000	Off	N	9.8	33.0	46.0
5.808000	21.0	9.000	Off	N	10.1	29.0	50.0
6.098000	15.8	9.000	Off	N	10.1	34.2	50.0
7.662000	16.4	9.000	Off	N	10.1	33.6	50.0
7.876000	16.0	9.000	Off	N	10.2	34.0	50.0
8.192000	11.9	9.000	Off	N	10.2	38.1	50.0
10.220000	14.9	9.000	Off	N	10.3	35.1	50.0

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11. LIST OF TEST EQUIPMENT

Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	09/11/2019	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/18/2019	Annual	100584
ESPAC	SU-642 /Temperature Chamber	08/14/2019	Annual	0093000718
Agilent	N9020A / Signal Analyzer	05/11/2020	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	03/23/2020	Annual	MY49432108
Agilent	N1911A / Power Meter	04/07/2020	Annual	MY45100523
Agilent	N1921A / Power Sensor	03/23/2020	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/11/2019	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	02/24/2020	Annual	10545
Hewlett Packard	E3632A / DC Power Supply	09/27/2019	Annual	MY40004427
Agilent	8493C / Attenuator(10 dB)	07/02/2019	Annual	07560
Rohde & Schwarz	18N-20dB / Attenuator(20 dB)	03/23/2020	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
Rohde & Schwarz	CBT / Bluetooth Tester	03/02/2020	Annual	100808

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
TNM system	FBSM-01B / Amp & Filter Bank Switch Controller	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	05/18/2020	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/02/2019	Biennial	01039
Schwarzbeck	BBHA 9120D / Horn Antenna	06/28/2019	Biennial	1300
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	04/29/2019	Biennial	BBHA9170342
Rohde & Schwarz	FSP(9 kHz ~ 40 GHz) / Spectrum Analyzer	07/16/2019	Annual	100843
Rohde & Schwarz	FSV(10 Hz ~ 40 GHz) / Spectrum Analyzer	05/13/2020	Annual	101055
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	01/21/2020	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	02/10/2020	Annual	1
CERNEX	CBL18265035 / Power Amplifier	12/26/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	03/23/2020	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/18/2020	Annual	3000C000276
TNM system	FBSM-05B / HPF(3~18GHz) + LNA1(1~18GHz)	01/21/2020	Annual	F6
TNM system	FBSM-05B / ATT(10dB) + LNA1(1~18GHz)	01/21/2020	Annual	None
TNM system	FBSM-05B / ATT(3dB) + LNA1(1~18GHz)	01/21/2020	Annual	None
TNM system	FBSM-05B / LNA1(1~18GHz)	01/21/2020	Annual	25540
TNM system	FBSM-05B / HPF(7~18GHz) + LNA2(6~18GHz)	01/21/2020	Annual	28550
TNM system	FBSM-05B / Thru(30MHz ~ 18GHz)	01/21/2020	Annual	None

Note:

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

12. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-2006-FC010-P