

### 10.7.2 6dB Bandwidth

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11a	UNII 3	5720	144	5728.16	3.16	> 0.5
802.11n(HT20)				5728.80	3.80	> 0.5
802.11ac(VHT20)				5728.84	3.84	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5728.12	3.12	> 0.5
802.11ac(VHT40)				5728.12	3.12	> 0.5

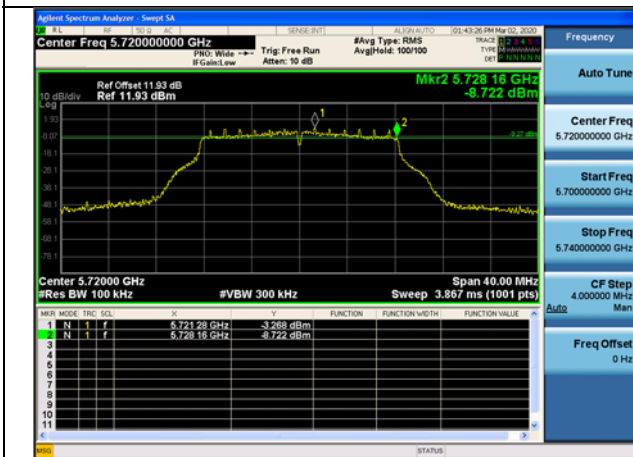
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5727.80	2.80	> 0.5

**Note:**

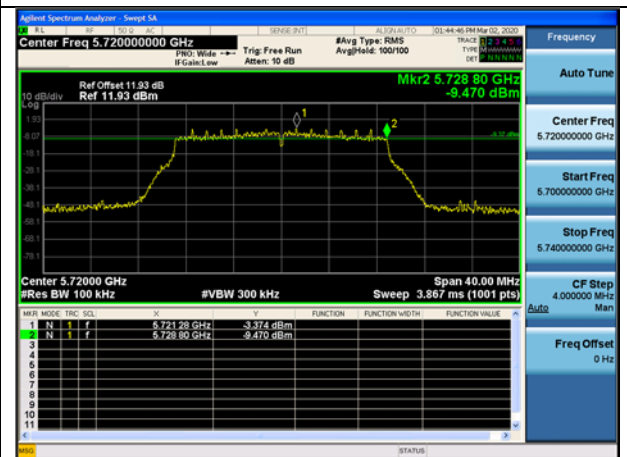
6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

□ Test Plots(UNII 3 Band 6dB Bandwidth)

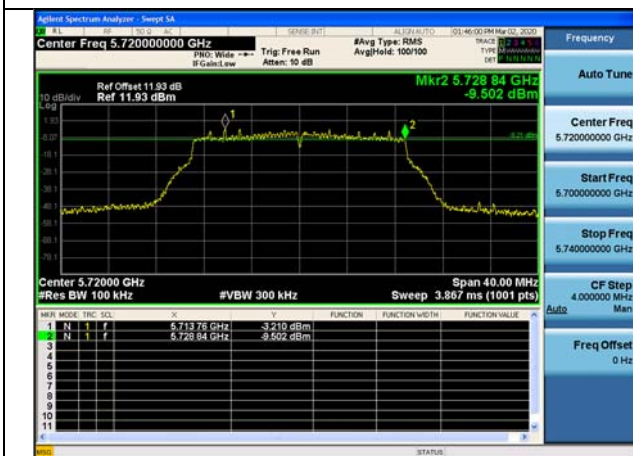
802.11a CH.144



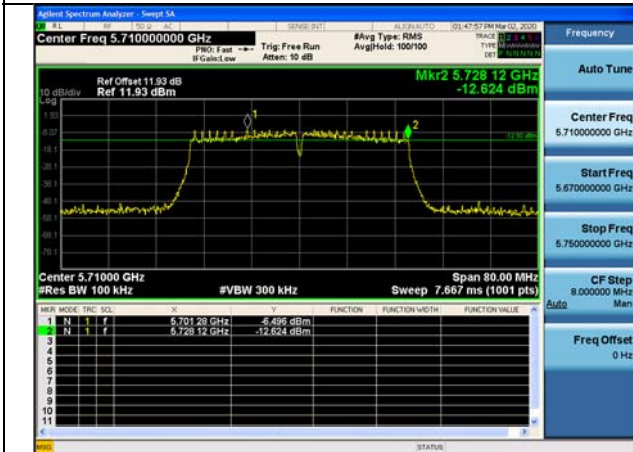
802.11n\_HT20 CH.144



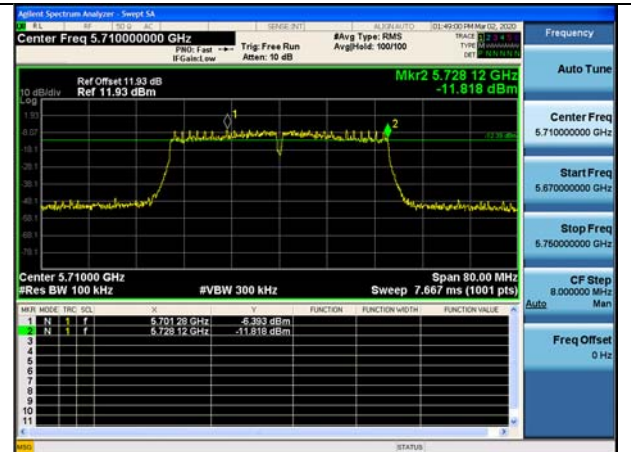
802.11ac\_VHT20 CH.144



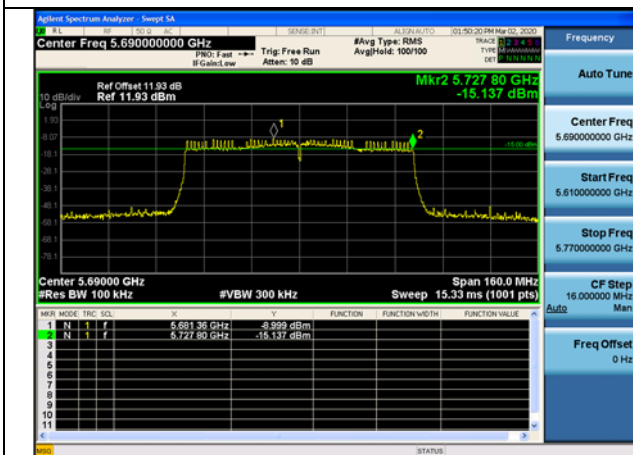
802.11n\_HT40 CH.142



802.11ac\_VHT40 CH.142



802.11ac\_VHT80 CH.138



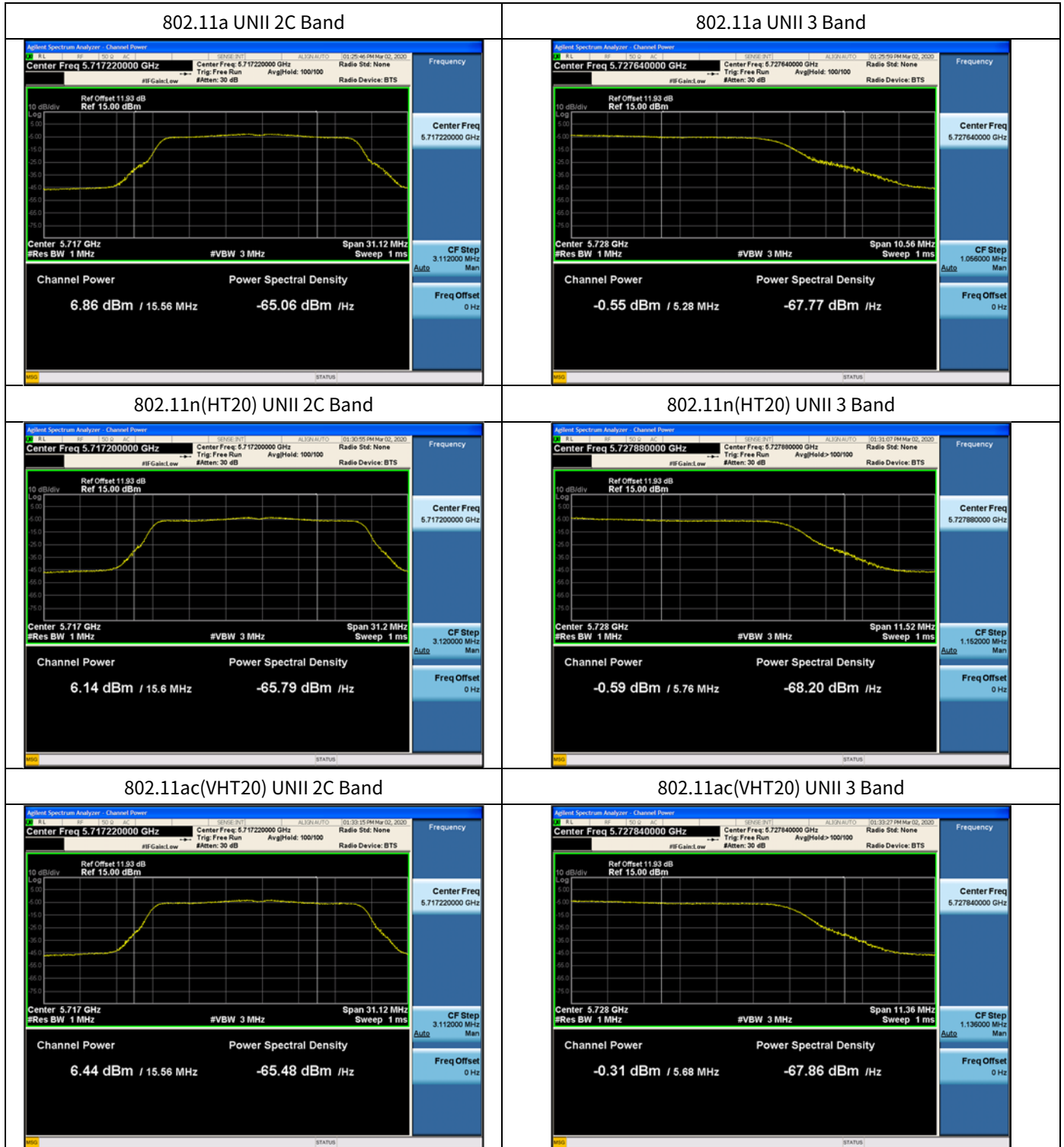
### 10.7.3 Output Power

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	6.86	0.297	7.16	22.92
802.11n(HT20)			6.14	0.850	6.99	22.93
802.11ac(VHT20)			6.44	0.599	7.04	22.92
802.11a	5720 (UNII 3 Band)	144	-0.55	0.297	-0.25	30.00
802.11n(HT20)			-0.59	0.850	0.26	30.00
802.11ac(VHT20)			-0.31	0.599	0.29	30.00

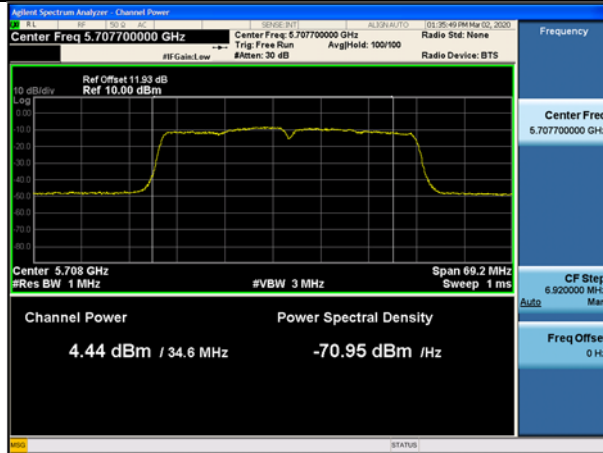
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	4.44	2.867	7.31	23.98
802.11ac(VHT40)			4.56	2.771	7.33	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	-7.20	2.867	-4.33	30.00
802.11ac(VHT40)			-6.95	2.771	-4.18	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	5.79	1.867	7.66	23.98
	5690 (UNII 3 Band)	138	-9.68	1.867	-7.81	30.00

## Test Plots



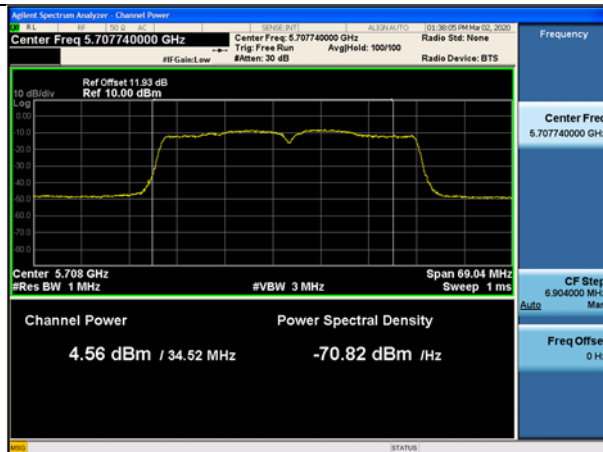
802.11n(HT40) UNII 2C Band



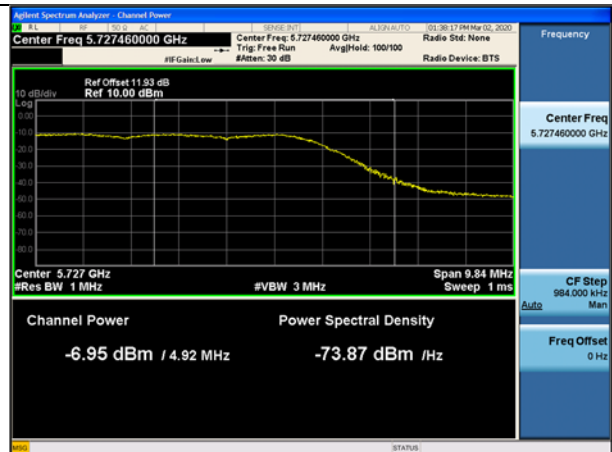
802.11n(HT40) UNII 3 Band



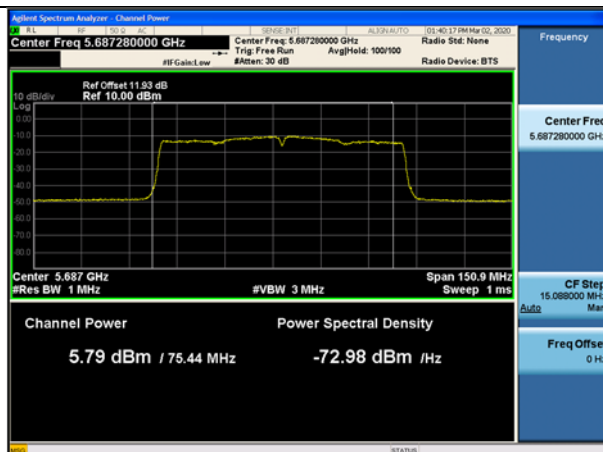
802.11ac(VHT40) UNII 2C Band



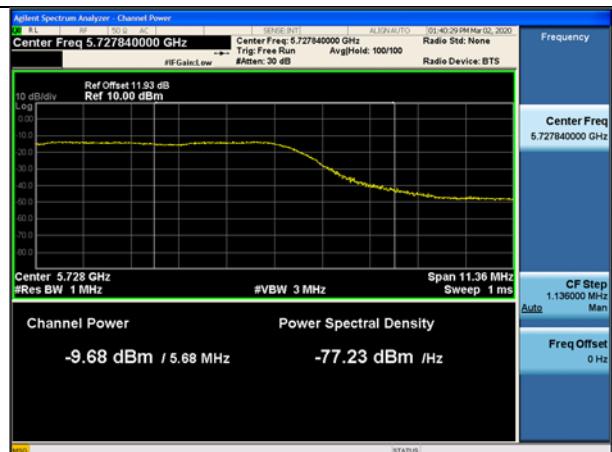
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



### 10.7.4 Power Spectral Density

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit
802.11a	5720	144	-2.496	0.297	-2.199	11 dBm/MHz
802.11n(HT20)	(UNII 2C		-3.114	0.850	-2.264	
802.11ac(VHT20)	Band)		-2.800	0.599	-2.201	
802.11a	5720	144	-7.725	0.297	-7.428	30 dBm/500kHz
802.11n(HT20)	(UNII 3		-8.386	0.850	-7.536	
802.11ac(VHT20)	Band)		-8.307	0.599	-7.708	

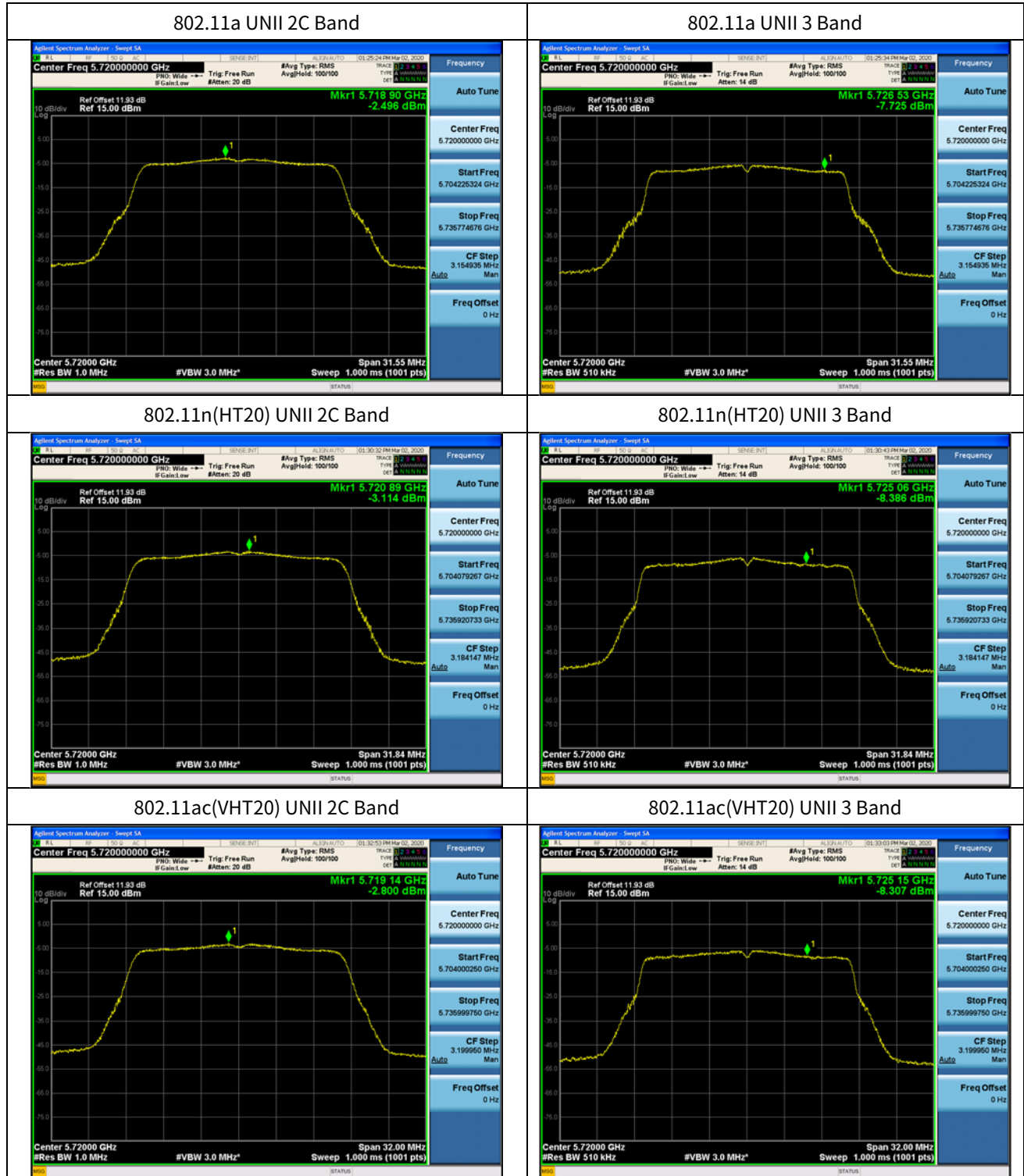
Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710	142	-8.301	2.867	-5.434	11 dBm/MHz
802.11ac(VHT40)	(UNII 2C Band)		-7.957	2.771	-5.186	
802.11n(HT40)	5710	142	-13.160	2.867	-10.293	30 dBm/500kHz
802.11ac(VHT40)	(UNII 3 Band)		-13.208	2.771	-10.437	

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-10.092	1.867	-8.225	11 dBm/MHz
	5690 (UNII 3 Band)	138	-16.926	1.867	-15.059	30 dBm/500kHz

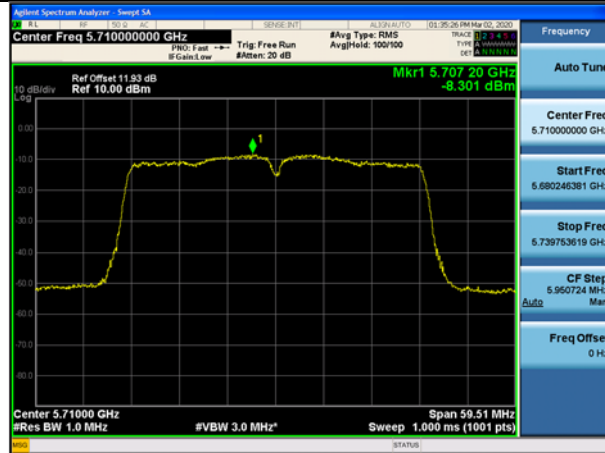




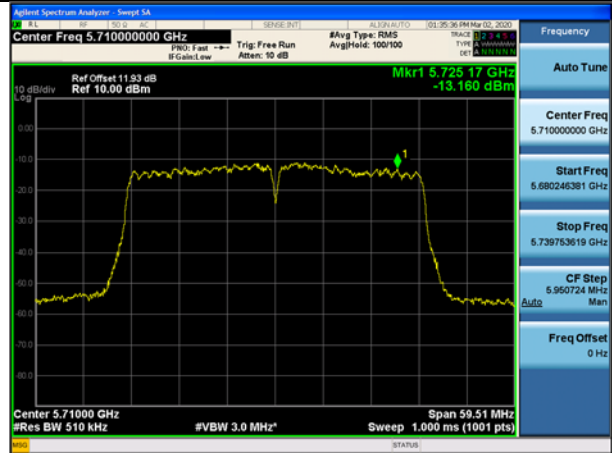
## Test Plots



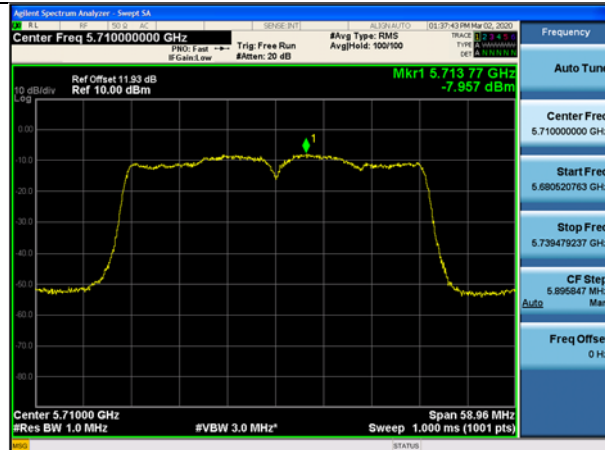
802.11n(HT40) UNII 2C Band



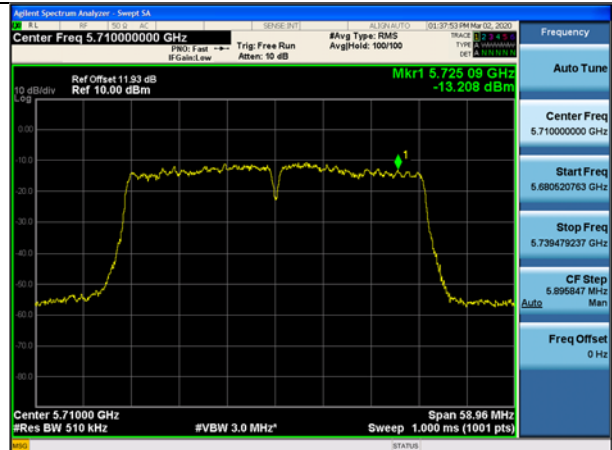
802.11n(HT40) UNII 3 Band



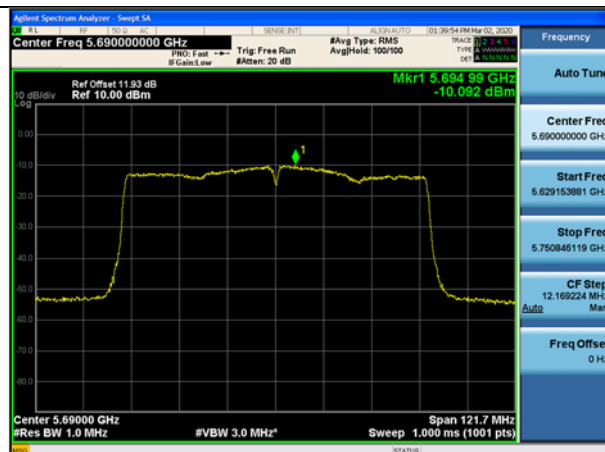
802.11ac(VHT40) UNII 2C Band



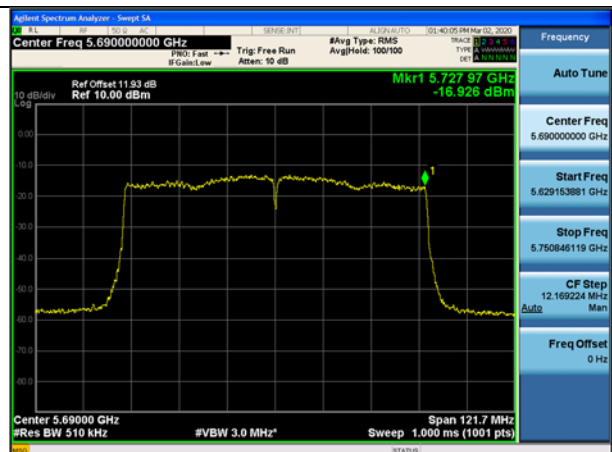
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



## 10.8 RADIATED SPURIOUS EMISSIONS

### Frequency Range : 9 kHz – 30MHz

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

#### Note:

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

### Frequency Range : Below 1 GHz

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

#### Note:

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

### Frequency Range : Above 1 GHz

Band : UNII 1

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5180 MHz

Channel No. 36 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	44.21	9.17	V	53.38	68.20	14.82	PK
15540	51.13	13.42	V	64.55	73.98	9.43	PK
15540	32.79	13.42	V	46.21	53.98	7.77	AV
10360	44.58	9.17	H	53.75	68.20	14.45	PK
15540	49.10	13.42	H	62.52	73.98	11.46	PK
15540	32.59	13.42	H	46.01	53.98	7.97	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	44.45	9.57	V	54.02	68.20	14.18	PK
15600	48.48	13.16	V	61.64	73.98	12.34	PK
15600	31.89	13.16	V	45.05	53.98	8.93	AV
10400	44.82	9.57	H	54.39	68.20	13.81	PK
15600	48.62	13.16	H	61.78	73.98	12.20	PK
15600	31.93	13.16	H	45.09	53.98	8.89	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	43.25	9.94	V	53.19	68.20	15.01	PK
15720	45.33	13.28	V	58.61	73.98	15.37	PK
15720	30.30	13.28	V	43.58	53.98	10.40	AV
10480	43.67	9.94	H	53.61	68.20	14.59	PK
15720	45.55	13.28	H	58.83	73.98	15.15	PK
15720	30.48	13.28	H	43.76	53.98	10.22	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	44.08	9.96	V	54.04	68.20	14.16	PK
15780	43.25	13.29	V	56.54	73.98	17.44	PK
15780	29.13	13.29	V	42.42	53.98	11.56	AV
10520	42.50	9.96	H	52.46	68.20	15.74	PK
15780	42.91	13.29	H	56.20	73.98	17.78	PK
15780	28.98	13.29	H	42.27	53.98	11.71	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	42.45	10.34	V	52.79	73.98	21.19	PK
10600	29.29	10.34	V	39.63	53.98	14.35	AV
15900	43.84	13.19	V	57.03	73.98	16.95	PK
15900	30.07	13.19	V	43.26	53.98	10.72	AV
10600	43.01	10.34	H	53.35	73.98	20.63	PK
10600	29.45	10.34	H	39.79	53.98	14.19	AV
15900	44.04	13.19	H	57.23	73.98	16.75	PK
15900	30.17	13.19	H	43.36	53.98	10.62	AV

Band : UNII 2A  
Operation Mode: 802.11 a  
Transfer Rate: 6 Mbps  
Operating Frequency 5320 MHz  
Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	41.70	10.30	V	52.00	73.98	21.98	PK
10640	29.30	10.30	V	39.60	53.98	14.38	AV
15960	44.33	12.29	V	56.62	73.98	17.36	PK
15960	30.33	12.29	V	42.62	53.98	11.36	AV
10640	42.64	10.30	H	52.94	73.98	21.04	PK
10640	29.33	10.30	H	39.63	53.98	14.35	AV
15960	44.44	12.29	H	56.73	73.98	17.25	PK
15960	30.49	12.29	H	42.78	53.98	11.20	AV

Band : UNII 2C

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5500 MHz

Channel No. 100 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	42.94	11.12	V	54.06	73.98	19.92	PK
11000	29.30	11.12	V	40.42	53.98	13.56	AV
16500	44.54	12.50	V	57.04	68.20	11.16	PK
11000	43.05	11.12	H	54.17	73.98	19.81	PK
11000	29.50	11.12	H	40.62	53.98	13.36	AV
16500	44.71	12.50	H	57.21	68.20	10.99	PK

Band : UNII 2C

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5580 MHz

Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	42.54	11.13	V	53.67	73.98	20.31	PK
11160	28.85	11.13	V	39.98	53.98	14.00	AV
16740	45.12	13.55	V	58.67	68.20	9.53	PK
11160	42.69	11.13	H	53.82	73.98	20.16	PK
11160	29.00	11.13	H	40.13	53.98	13.85	AV
16740	45.58	13.55	H	59.13	68.20	9.07	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	42.02	11.26	V	53.28	73.98	20.70	PK
11440	28.65	11.26	V	39.91	53.98	14.07	AV
17160	45.12	14.70	V	59.82	68.20	8.38	PK
11440	43.31	11.26	H	54.57	73.98	19.41	PK
11440	28.76	11.26	H	40.02	53.98	13.96	AV
17160	45.58	14.70	H	60.28	68.20	7.92	PK

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	41.53	11.54	V	53.07	73.98	20.91	PK
11490	28.32	11.54	V	39.86	53.98	14.12	AV
17235	43.63	15.28	V	58.91	68.20	9.29	PK
11490	42.56	11.54	H	54.10	73.98	19.88	PK
11490	28.55	11.54	H	40.09	53.98	13.89	AV
17235	44.46	15.28	H	59.74	68.20	8.46	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	41.68	10.94	V	52.62	73.98	21.36	PK
11570	29.11	10.94	V	40.05	53.98	13.93	AV
17355	44.51	15.94	V	60.45	68.20	7.75	PK
11570	42.36	10.94	H	53.30	73.98	20.68	PK
11570	29.37	10.94	H	40.31	53.98	13.67	AV
17355	44.88	15.94	H	60.82	68.20	7.38	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	43.58	10.39	V	53.97	73.98	20.01	PK
11650	30.66	10.39	V	41.05	53.98	12.93	AV
17475	45.65	17.24	V	62.89	68.20	5.31	PK
11650	42.87	10.39	H	53.26	73.98	20.72	PK
11650	30.30	10.39	H	40.69	53.98	13.29	AV
17475	44.62	17.24	H	61.86	68.20	6.34	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	43.67	9.17	V	52.84	68.20	15.36	PK
15540	49.97	13.42	V	63.39	73.98	10.59	PK
15540	32.29	13.42	V	45.71	53.98	8.27	AV
10360	44.37	9.17	H	53.54	68.20	14.66	PK
15540	51.20	13.42	H	64.62	73.98	9.36	PK
15540	32.47	13.42	H	45.89	53.98	8.09	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	43.40	9.57	V	52.97	68.20	15.23	PK
15600	48.12	13.16	V	61.28	73.98	12.70	PK
15600	31.86	13.16	V	45.02	53.98	8.96	AV
10400	44.10	9.57	H	53.67	68.20	14.53	PK
15600	50.84	13.16	H	64.00	73.98	9.98	PK
15600	32.06	13.16	H	45.22	53.98	8.76	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	43.26	9.94	V	53.20	68.20	15.00	PK
15720	44.48	13.28	V	57.76	73.98	16.22	PK
15720	30.12	13.28	V	43.40	53.98	10.58	AV
10480	43.61	9.94	H	53.55	68.20	14.65	PK
15720	46.68	13.28	H	59.96	73.98	14.02	PK
15720	30.42	13.28	H	43.70	53.98	10.28	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	42.93	9.96	V	52.89	68.20	15.31	PK
15780	43.22	13.29	V	56.51	73.98	17.47	PK
15780	29.33	13.29	V	42.62	53.98	11.36	AV
10520	43.27	9.96	H	53.23	68.20	14.97	PK
15780	43.57	13.29	H	56.86	73.98	17.12	PK
15780	29.41	13.29	H	42.70	53.98	11.28	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	43.92	10.34	V	54.26	73.98	19.72	PK
10600	29.47	10.34	V	39.81	53.98	14.17	AV
15900	42.96	13.19	V	56.15	73.98	17.83	PK
15900	30.16	13.19	V	43.35	53.98	10.63	AV
10600	44.09	10.34	H	54.43	73.98	19.55	PK
10600	29.61	10.34	H	39.95	53.98	14.03	AV
15900	43.97	13.19	H	57.16	73.98	16.82	PK
15900	30.24	13.19	H	43.43	53.98	10.55	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	42.08	10.30	V	52.38	73.98	21.60	PK
10640	29.22	10.30	V	39.52	53.98	14.46	AV
15960	43.58	12.29	V	55.87	73.98	18.11	PK
15960	30.44	12.29	V	42.73	53.98	11.25	AV
10640	42.89	10.30	H	53.19	73.98	20.79	PK
10640	29.35	10.30	H	39.65	53.98	14.33	AV
15960	44.48	12.29	H	56.77	73.98	17.21	PK
15960	30.48	12.29	H	42.77	53.98	11.21	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	42.20	11.12	V	53.32	73.98	20.66	PK
11000	29.32	11.12	V	40.44	53.98	13.54	AV
16500	44.64	12.50	V	57.14	68.20	11.06	PK
11000	43.47	11.12	H	54.59	73.98	19.39	PK
11000	29.33	11.12	H	40.45	53.98	13.53	AV
16500	44.96	12.50	H	57.46	68.20	10.74	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT20)

Transfer MCS Index: MCS0

Operating Frequency 5580 MHz

Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	42.75	11.13	V	53.88	73.98	20.10	PK
11160	29.22	11.13	V	40.35	53.98	13.63	AV
16740	45.48	13.55	V	59.03	68.20	9.17	PK
11160	42.98	11.13	H	54.11	73.98	19.87	PK
11160	29.27	11.13	H	40.40	53.98	13.58	AV
16740	45.77	13.55	H	59.32	68.20	8.88	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	42.55	11.26	V	53.81	73.98	20.17	PK
11440	28.59	11.26	V	39.85	53.98	14.13	AV
17160	45.09	14.70	V	59.79	68.20	8.41	PK
11440	42.81	11.26	H	54.07	73.98	19.91	PK
11440	28.74	11.26	H	40.00	53.98	13.98	AV
17160	45.32	14.70	H	60.02	68.20	8.18	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	41.67	11.54	V	53.21	73.98	20.77	PK
11490	28.23	11.54	V	39.77	53.98	14.21	AV
17235	44.30	15.28	V	59.58	68.20	8.62	PK
11490	42.45	11.54	H	53.99	73.98	19.99	PK
11490	28.32	11.54	H	39.86	53.98	14.12	AV
17235	45.42	15.28	H	60.70	68.20	7.50	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	42.00	10.94	V	52.94	73.98	21.04	PK
11570	28.49	10.94	V	39.43	53.98	14.55	AV
17355	43.88	15.94	V	59.82	68.20	8.38	PK
11570	42.50	10.94	H	53.44	73.98	20.54	PK
11570	28.72	10.94	H	39.66	53.98	14.32	AV
17355	44.94	15.94	H	60.88	68.20	7.32	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	42.19	10.39	V	52.58	73.98	21.40	PK
11650	29.33	10.39	V	39.72	53.98	14.26	AV
17475	44.28	17.24	V	61.52	68.20	6.68	PK
11650	42.64	10.39	H	53.03	73.98	20.95	PK
11650	29.64	10.39	H	40.03	53.98	13.95	AV
17475	44.63	17.24	H	61.87	68.20	6.33	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	43.56	9.17	V	52.73	68.20	15.47	PK
15540	51.04	13.42	V	64.46	73.98	9.52	PK
15540	32.24	13.42	V	45.66	53.98	8.32	AV
10360	43.92	9.17	H	53.09	68.20	15.11	PK
15540	51.45	13.42	H	64.87	73.98	9.11	PK
15540	32.52	13.42	H	45.94	53.98	8.04	AV

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	43.21	9.57	V	52.78	68.20	15.42	PK
15600	48.43	13.16	V	61.59	73.98	12.39	PK
15600	30.83	13.16	V	43.99	53.98	9.99	AV
10400	43.80	9.57	H	53.37	68.20	14.83	PK
15600	50.26	13.16	H	63.42	73.98	10.56	PK
15600	31.97	13.16	H	45.13	53.98	8.85	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	42.86	9.94	V	52.80	68.20	15.40	PK
15720	43.66	13.28	V	56.94	73.98	17.04	PK
15720	30.38	13.28	V	43.66	53.98	10.32	AV
10480	43.87	9.94	H	53.81	68.20	14.39	PK
15720	45.93	13.28	H	59.21	73.98	14.77	PK
15720	30.40	13.28	H	43.68	53.98	10.30	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	42.56	9.96	V	52.52	68.20	15.68	PK
15780	44.87	13.29	V	58.16	73.98	15.82	PK
15780	29.29	13.29	V	42.58	53.98	11.40	AV
10520	43.72	9.96	H	53.68	68.20	14.52	PK
15780	45.34	13.29	H	58.63	73.98	15.35	PK
15780	29.43	13.29	H	42.72	53.98	11.26	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	42.35	10.34	V	52.69	73.98	21.29	PK
10600	29.30	10.34	V	39.64	53.98	14.34	AV
15900	42.99	13.19	V	56.18	73.98	17.80	PK
15900	30.05	13.19	V	43.24	53.98	10.74	AV
10600	42.51	10.34	H	52.85	73.98	21.13	PK
10600	29.48	10.34	H	39.82	53.98	14.16	AV
15900	44.41	13.19	H	57.60	73.98	16.38	PK
15900	30.11	13.19	H	43.30	53.98	10.68	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	42.76	10.30	V	53.06	73.98	20.92	PK
10640	29.23	10.30	V	39.53	53.98	14.45	AV
15960	43.35	12.29	V	55.64	73.98	18.34	PK
15960	30.27	12.29	V	42.56	53.98	11.42	AV
10640	43.23	10.30	H	53.53	73.98	20.45	PK
10640	29.35	10.30	H	39.65	53.98	14.33	AV
15960	44.60	12.29	H	56.89	73.98	17.09	PK
15960	30.41	12.29	H	42.70	53.98	11.28	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	42.34	11.12	V	53.46	73.98	20.52	PK
11000	29.25	11.12	V	40.37	53.98	13.61	AV
16500	44.41	12.50	V	56.91	68.20	11.29	PK
11000	43.15	11.12	H	54.27	73.98	19.71	PK
11000	29.37	11.12	H	40.49	53.98	13.49	AV
16500	45.15	12.50	H	57.65	68.20	10.55	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5580 MHz

Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	42.37	11.13	V	53.50	73.98	20.48	PK
11160	29.09	11.13	V	40.22	53.98	13.76	AV
16740	44.86	13.55	V	58.41	68.20	9.79	PK
11160	42.56	11.13	H	53.69	73.98	20.29	PK
11160	29.26	11.13	H	40.39	53.98	13.59	AV
16740	45.59	13.55	H	59.14	68.20	9.06	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	42.94	11.26	V	54.20	73.98	19.78	PK
11440	28.74	11.26	V	40.00	53.98	13.98	AV
17160	44.61	14.70	V	59.31	68.20	8.89	PK
11440	43.19	11.26	H	54.45	73.98	19.53	PK
11440	28.75	11.26	H	40.01	53.98	13.97	AV
17160	46.30	14.70	H	61.00	68.20	7.20	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	41.46	11.54	V	53.00	73.98	20.98	PK
11490	27.93	11.54	V	39.47	53.98	14.51	AV
17235	43.86	15.28	V	59.14	68.20	9.06	PK
11490	41.78	11.54	H	53.32	73.98	20.66	PK
11490	28.04	11.54	H	39.58	53.98	14.40	AV
17235	44.26	15.28	H	59.54	68.20	8.66	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	41.71	10.94	V	52.65	73.98	21.33	PK
11570	28.55	10.94	V	39.49	53.98	14.49	AV
17355	44.60	15.94	V	60.54	68.20	7.66	PK
11570	42.68	10.94	H	53.62	73.98	20.36	PK
11570	28.76	10.94	H	39.70	53.98	14.28	AV
17355	44.92	15.94	H	60.86	68.20	7.34	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	42.12	10.39	V	52.51	73.98	21.47	PK
11650	28.80	10.39	V	39.19	53.98	14.79	AV
17475	44.18	17.24	V	61.42	68.20	6.78	PK
11650	42.52	10.39	H	52.91	73.98	21.07	PK
11650	28.84	10.39	H	39.23	53.98	14.75	AV
17475	44.50	17.24	H	61.74	68.20	6.46	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10380	43.54	9.23	V	52.77	68.20	15.43	PK
15570	44.48	13.21	V	57.69	73.98	16.29	PK
15570	31.45	13.21	V	44.66	53.98	9.32	AV
10380	43.70	9.23	H	52.93	68.20	15.27	PK
15570	45.05	13.21	H	58.26	73.98	15.72	PK
15570	31.99	13.21	H	45.20	53.98	8.78	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10460	43.17	9.83	V	53.00	68.20	15.20	PK
15690	43.09	13.19	V	56.28	73.98	17.70	PK
15690	30.68	13.19	V	43.87	53.98	10.11	AV
10460	43.49	9.83	H	53.32	68.20	14.88	PK
15690	44.41	13.19	H	57.60	73.98	16.38	PK
15690	31.05	13.19	H	44.24	53.98	9.74	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10540	42.19	9.84	V	52.03	68.20	16.17	PK
15810	42.32	13.30	V	55.62	73.98	18.36	PK
15810	29.59	13.30	V	42.89	53.98	11.09	AV
10540	43.54	9.84	H	53.38	68.20	14.82	PK
15810	43.01	13.30	H	56.31	73.98	17.67	PK
15810	29.97	13.30	H	43.27	53.98	10.71	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10620	42.05	10.22	V	52.27	73.98	21.71	PK
10620	29.56	10.22	V	39.78	53.98	14.20	AV
15930	42.94	12.71	V	55.65	73.98	18.33	PK
15930	30.79	12.71	V	43.50	53.98	10.48	AV
10620	43.16	10.22	H	53.38	73.98	20.60	PK
10620	29.93	10.22	H	40.15	53.98	13.83	AV
15930	43.48	12.71	H	56.19	73.98	17.79	PK
15930	31.27	12.71	H	43.98	53.98	10.00	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11020	42.62	11.18	V	53.80	73.98	20.18	PK
11020	29.68	11.18	V	40.86	53.98	13.12	AV
16530	44.89	12.80	V	57.69	68.20	10.51	PK
11020	43.11	11.18	H	54.29	73.98	19.69	PK
11020	29.97	11.18	H	41.15	53.98	12.83	AV
16530	45.66	12.80	H	58.46	68.20	9.74	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

Operating Frequency 5550 MHz

Channel No. 110 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	41.79	10.89	V	52.68	73.98	21.30	PK
11100	28.91	10.89	V	39.80	53.98	14.18	AV
16650	44.79	13.76	V	58.55	68.20	9.65	PK
11100	42.17	10.89	H	53.06	73.98	20.92	PK
11100	29.29	10.89	H	40.18	53.98	13.80	AV
16650	45.24	13.76	H	59.00	68.20	9.20	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11420	42.51	11.29	V	53.80	73.98	20.18	PK
11420	29.10	11.29	V	40.39	53.98	13.59	AV
17130	43.95	14.54	V	58.49	68.20	9.71	PK
11420	42.73	11.29	H	54.02	73.98	19.96	PK
11420	29.30	11.29	H	40.59	53.98	13.39	AV
17130	44.04	14.54	H	58.58	68.20	9.62	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	41.60	11.45	V	53.05	73.98	20.93	PK
11510	28.77	11.45	V	40.22	53.98	13.76	AV
17265	44.06	15.19	V	59.25	68.20	8.95	PK
11510	41.73	11.45	H	53.18	73.98	20.80	PK
11510	28.95	11.45	H	40.40	53.98	13.58	AV
17265	44.41	15.19	H	59.60	68.20	8.60	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	41.91	10.48	V	52.39	73.98	21.59	PK
11590	29.61	10.48	V	40.09	53.98	13.89	AV
17385	44.21	16.15	V	60.36	68.20	7.84	PK
11590	42.79	10.48	H	53.27	73.98	20.71	PK
11590	29.77	10.48	H	40.25	53.98	13.73	AV
17385	44.82	16.15	H	60.97	68.20	7.23	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10380	43.76	9.23	V	52.99	68.20	15.21	PK
15570	44.81	13.21	V	58.02	73.98	15.96	PK
15570	31.63	13.21	V	44.84	53.98	9.14	AV
10380	43.83	9.23	H	53.06	68.20	15.14	PK
15570	44.94	13.21	H	58.15	73.98	15.83	PK
15570	31.81	13.21	H	45.02	53.98	8.96	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10460	43.43	9.83	V	53.26	68.20	14.94	PK
15690	42.56	13.19	V	55.75	73.98	18.23	PK
15690	30.84	13.19	V	44.03	53.98	9.95	AV
10460	43.93	9.83	H	53.76	68.20	14.44	PK
15690	44.48	13.19	H	57.67	73.98	16.31	PK
15690	31.05	13.19	H	44.24	53.98	9.74	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10540	42.59	9.84	V	52.43	68.20	15.77	PK
15810	42.17	13.30	V	55.47	73.98	18.51	PK
15810	29.65	13.30	V	42.95	53.98	11.03	AV
10540	43.28	9.84	H	53.12	68.20	15.08	PK
15810	42.84	13.30	H	56.14	73.98	17.84	PK
15810	29.81	13.30	H	43.11	53.98	10.87	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10620	42.52	10.22	V	52.74	73.98	21.24	PK
10620	29.84	10.22	V	40.06	53.98	13.92	AV
15930	43.59	12.71	V	56.30	73.98	17.68	PK
15930	30.89	12.71	V	43.60	53.98	10.38	AV
10620	42.89	10.22	H	53.11	73.98	20.87	PK
10620	30.05	10.22	H	40.27	53.98	13.71	AV
15930	44.03	12.71	H	56.74	73.98	17.24	PK
15930	30.93	12.71	H	43.64	53.98	10.34	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11020	42.23	11.18	V	53.41	73.98	20.57	PK
11020	29.71	11.18	V	40.89	53.98	13.09	AV
16530	43.91	12.80	V	56.71	68.20	11.49	PK
11020	43.68	11.18	H	54.86	73.98	19.12	PK
11020	29.83	11.18	H	41.01	53.98	12.97	AV
16530	45.28	12.80	H	58.08	68.20	10.12	PK

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	41.70	10.89	V	52.59	73.98	21.39	PK
11100	28.81	10.89	V	39.70	53.98	14.28	AV
16650	44.23	13.76	V	57.99	68.20	10.21	PK
11100	42.74	10.89	H	53.63	73.98	20.35	PK
11100	29.03	10.89	H	39.92	53.98	14.06	AV
16650	45.02	13.76	H	58.78	68.20	9.42	PK

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11420	41.55	11.29	V	52.84	73.98	21.14	PK
11420	29.19	11.29	V	40.48	53.98	13.50	AV
17130	43.86	14.54	V	58.40	68.20	9.80	PK
11420	42.12	11.29	H	53.41	73.98	20.57	PK
11420	29.49	11.29	H	40.78	53.98	13.20	AV
17130	44.37	14.54	H	58.91	68.20	9.29	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	41.39	11.45	V	52.84	73.98	21.14	PK
11510	29.15	11.45	V	40.60	53.98	13.38	AV
17265	43.20	15.19	V	58.39	68.20	9.81	PK
11510	41.82	11.45	H	53.27	73.98	20.71	PK
11510	29.63	11.45	H	41.08	53.98	12.90	AV
17265	43.83	15.19	H	59.02	68.20	9.18	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	41.97	10.48	V	52.45	73.98	21.53	PK
11590	29.74	10.48	V	40.22	53.98	13.76	AV
17385	43.92	16.15	V	60.07	68.20	8.13	PK
11590	42.28	10.48	H	52.76	73.98	21.22	PK
11590	29.97	10.48	H	40.45	53.98	13.53	AV
17385	44.49	16.15	H	60.64	68.20	7.56	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10420	43.11	9.19	V	52.30	68.20	15.90	PK
15630	43.39	13.57	V	56.96	73.98	17.02	PK
15630	32.49	13.57	V	46.06	53.98	7.92	AV
10420	43.86	9.19	H	53.05	68.20	15.15	PK
15630	44.25	13.57	H	57.82	73.98	16.16	PK
15630	32.84	13.57	H	46.41	53.98	7.57	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10580	42.50	10.35	V	52.85	68.20	15.35	PK
15870	42.57	13.05	V	55.62	73.98	18.36	PK
15870	31.52	13.05	V	44.57	53.98	9.41	AV
10580	43.27	10.35	H	53.62	68.20	14.58	PK
15870	43.86	13.05	H	56.91	73.98	17.07	PK
15870	31.95	13.05	H	45.00	53.98	8.98	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11060	41.59	10.95	V	52.54	73.98	21.44	PK
11060	30.21	10.95	V	41.16	53.98	12.82	AV
16590	44.20	12.73	V	56.93	68.20	11.27	PK
11060	42.53	10.95	H	53.48	73.98	20.50	PK
11060	30.64	10.95	H	41.59	53.98	12.39	AV
16590	45.39	12.73	H	58.12	68.20	10.08	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11380	42.32	11.38	V	53.70	73.98	20.28	PK
11380	30.67	11.38	V	42.05	53.98	11.93	AV
17070	43.19	14.66	V	57.85	68.20	10.35	PK
11380	43.76	11.38	H	55.14	73.98	18.84	PK
11380	31.00	11.38	H	42.38	53.98	11.60	AV
17070	43.94	14.66	H	58.60	68.20	9.60	PK

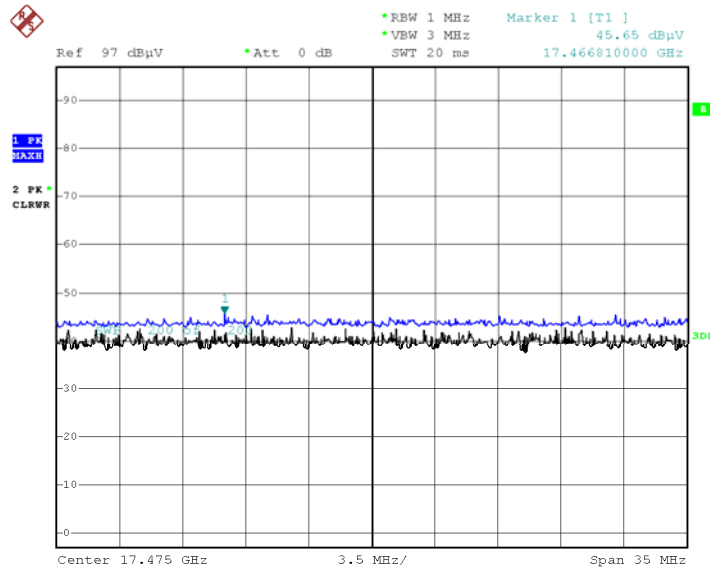


Band : UNII 3  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5775 MHz  
 Channel No. 155 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11550	42.05	11.00	V	53.05	73.98	20.93	PK
11550	30.40	11.00	V	41.40	53.98	12.58	AV
17325	44.74	15.71	V	60.45	68.20	7.75	PK
11550	42.29	11.00	H	53.29	73.98	20.69	PK
11550	30.61	11.00	H	41.61	53.98	12.37	AV
17325	44.81	15.71	H	60.52	68.20	7.68	PK

## Test Plots

Peak Reading (802.11a, Ch.165 3rd Harmonic, X-V)



Date: 14.MAR.2020 15:14:31

## 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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	44.81	8.02	H	52.83	73.98	21.15	PK
5150	31.86	8.02	H	39.88	53.98	14.10	AV
5150	46.31	8.02	V	54.33	73.98	19.65	PK
5150	32.85	8.02	V	40.87	53.98	13.11	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	46.36	7.87	H	54.23	73.98	19.75	PK
5350	33.54	7.87	H	41.41	53.98	12.57	AV
5350	49.35	7.87	V	57.22	73.98	16.76	PK
5350	36.31	7.87	V	44.18	53.98	9.80	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	45.36	8.35	H	53.71	73.98	20.27	PK
5460	32.24	8.35	H	40.59	53.98	13.39	AV
5470	45.87	8.31	H	54.18	68.20	14.02	PK
5460	46.22	8.35	V	54.57	73.98	19.41	PK
5460	33.48	8.31	V	41.79	53.98	12.19	AV
5470	47.06	8.31	V	55.37	68.20	12.83	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5850	42.31	9.25	H	51.56	68.20	16.64	PK
5850	44.22	9.25	V	53.47	68.20	14.73	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	44.68	8.02	H	52.70	73.98	21.28	PK
5150	32.15	8.02	H	40.17	53.98	13.81	AV
5150	46.03	8.02	V	54.05	73.98	19.93	PK
5150	33.22	8.02	V	41.24	53.98	12.74	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	45.12	7.87	H	52.99	73.98	20.99	PK
5350	32.63	7.87	H	40.5	53.98	13.48	AV
5350	48.00	7.87	V	55.87	73.98	18.11	PK
5350	35.59	7.87	V	43.46	53.98	10.52	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	44.19	8.35	H	52.54	73.98	21.44	PK
5460	31.56	8.35	H	39.91	53.98	14.07	AV
5470	45.37	8.31	H	53.68	68.20	14.52	PK
5460	45.32	8.35	V	53.67	73.98	20.31	PK
5460	32.79	8.31	V	41.1	53.98	12.88	AV
5470	46.31	8.31	V	54.62	68.20	13.58	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5850	41.76	9.25	H	51.01	68.20	17.19	PK
5850	45.27	9.25	V	54.52	68.20	13.68	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	43.71	8.02	H	51.73	73.98	22.25	PK
5150	31.78	8.02	H	39.8	53.98	14.18	AV
5150	45.18	8.02	V	53.2	73.98	20.78	PK
5150	32.90	8.02	V	40.92	53.98	13.06	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	46.37	7.87	H	54.24	73.98	19.74	PK
5350	32.63	7.87	H	40.5	53.98	13.48	AV
5350	49.12	7.87	V	56.99	73.98	16.99	PK
5350	35.72	7.87	V	43.59	53.98	10.39	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	44.87	8.35	H	53.22	73.98	20.76	PK
5460	32.26	8.35	H	40.61	53.98	13.37	AV
5470	45.62	8.31	H	53.93	68.20	14.27	PK
5460	46.01	8.35	V	54.36	73.98	19.62	PK
5460	33.42	8.31	V	41.73	53.98	12.25	AV
5470	47.70	8.31	V	56.01	68.20	12.19	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5850	42.19	9.25	H	51.44	68.20	16.76	PK
5850	44.45	9.25	V	53.70	68.20	14.50	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	43.94	8.02	H	51.96	73.98	22.02	PK
5150	31.38	8.02	H	39.4	53.98	14.58	AV
5150	45.25	8.02	V	53.27	73.98	20.71	PK
5150	32.76	8.02	V	40.78	53.98	13.20	AV

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

Frequency [MHz]	Reading dBuV	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	48.84	7.87	H	56.71	73.98	17.27	PK
5350	33.45	7.87	H	41.32	53.98	12.66	AV
5350	51.12	7.87	V	58.99	73.98	14.99	PK
5350	35.65	7.87	V	43.52	53.98	10.46	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	44.74	8.35	H	53.09	73.98	20.89	PK
5460	32.69	8.35	H	41.04	53.98	12.94	AV
5470	46.23	8.31	H	54.54	68.20	13.66	PK
5460	46.25	8.35	V	54.6	73.98	19.38	PK
5460	33.96	8.31	V	42.27	53.98	11.71	AV
5470	48.62	8.31	V	56.93	68.20	11.27	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5850	41.18	9.25	H	50.43	68.20	17.77	PK
5850	43.70	9.25	V	52.95	68.20	15.25	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	43.94	8.02	H	51.96	73.98	22.02	PK
5150	31.87	8.02	H	39.89	53.98	14.09	AV
5150	44.96	8.02	V	52.98	73.98	21.00	PK
5150	32.99	8.02	V	41.01	53.98	12.97	AV

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

Frequency [MHz]	Reading dBuV	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	45.66	7.87	H	53.53	73.98	20.45	PK
5350	33.39	7.87	H	41.26	53.98	12.72	AV
5350	48.34	7.87	V	56.21	73.98	17.77	PK
5350	35.63	7.87	V	43.5	53.98	10.48	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	44.54	8.35	H	52.89	73.98	21.09	PK
5460	31.87	8.35	H	40.22	53.98	13.76	AV
5470	48.26	8.31	H	56.57	68.20	11.63	PK
5460	46.71	8.35	V	55.06	73.98	18.92	PK
5460	33.92	8.31	V	42.23	53.98	11.75	AV
5470	50.41	8.31	V	58.72	68.20	9.48	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5850	41.24	9.25	H	50.49	68.20	17.71	PK
5850	43.90	9.25	V	53.15	68.20	15.05	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	43.71	8.02	H	51.73	73.98	22.25	PK
5150	33.19	8.02	H	41.21	53.98	12.77	AV
5150	45.68	8.02	V	53.7	73.98	20.28	PK
5150	35.27	8.02	V	43.29	53.98	10.69	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	46.28	7.87	H	54.15	73.98	19.83	PK
5350	34.47	7.87	H	42.34	53.98	11.64	AV
5350	48.20	7.87	V	56.07	73.98	17.91	PK
5350	36.75	7.87	V	44.62	53.98	9.36	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	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	45.72	8.35	H	54.07	73.98	19.91	PK
5460	34.43	8.35	H	42.78	53.98	11.20	AV
5470	46.60	8.31	H	54.91	68.20	13.29	PK
5460	47.65	8.35	V	56	73.98	17.98	PK
5460	36.18	8.31	V	44.49	53.98	9.49	AV
5470	48.71	8.31	V	57.02	68.20	11.18	PK

Band : UNII 2C

Operation Mode: 802.11 ac\_VHT80

Transfer MCS Index: 0

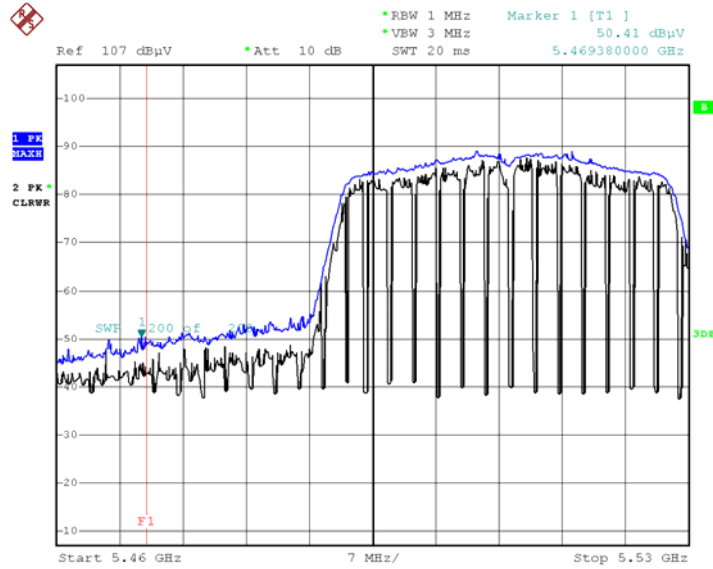
Operating Frequency 5690 MHz

Channel No. 138 Ch

Frequency [MHz]	Reading dBuV	AF+CL+AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5850	40.98	9.25	H	50.23	68.20	17.97	PK
5850	43.71	9.25	V	52.96	68.20	15.24	PK

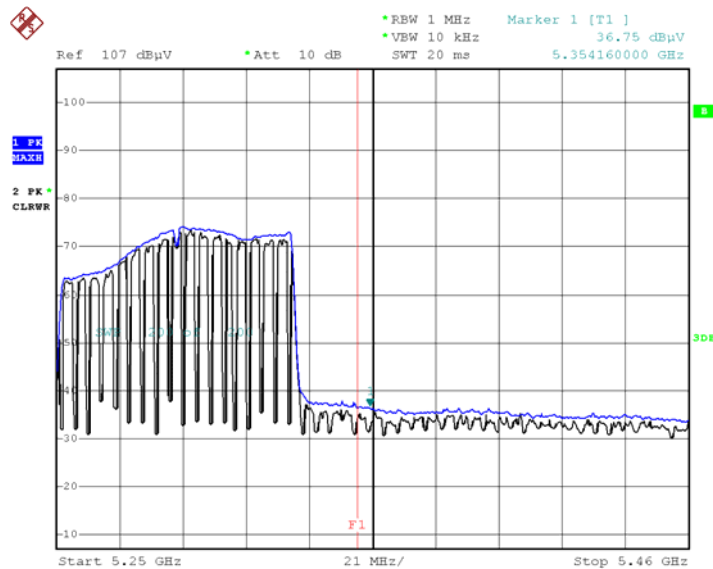
## Test Plots(UNII 1, 2A, 2C)

### Peak Reading (802.11 ac\_VHT40\_MCS0, Ch.102, X-V)



Date: 17.MAR.2020 11:47:52

### Average Reading (802.11 ac\_VHT80\_MCS0, Ch.58, X-V)



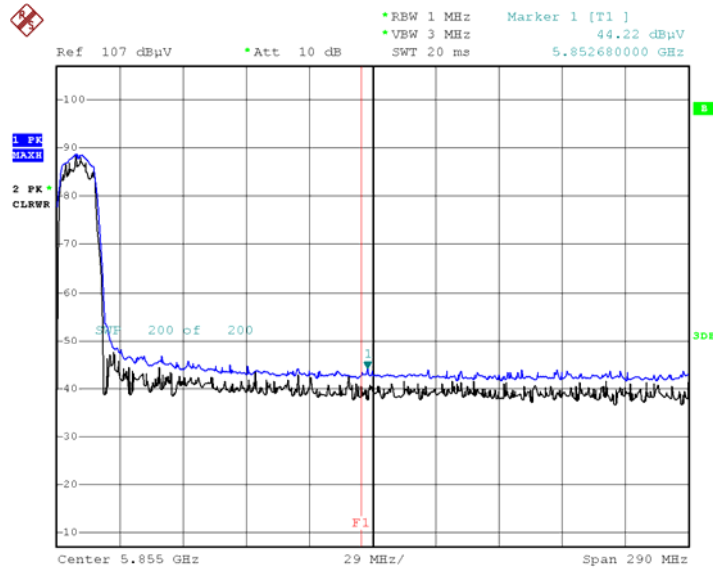
Date: 17.MAR.2020 11:42:25

## Note:

Only the worst case plots for Radiated Restricted Band Edge.

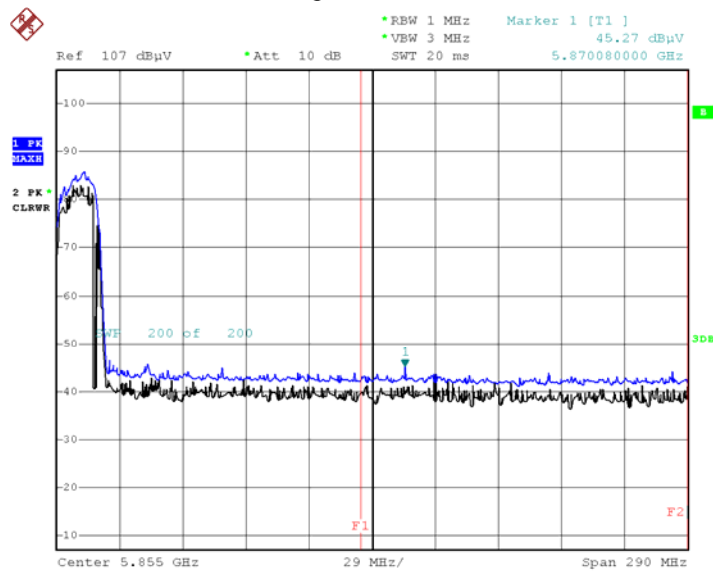
## Test Plots(Staraddle Channel)

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



Date: 17.MAR.2020 14:22:08

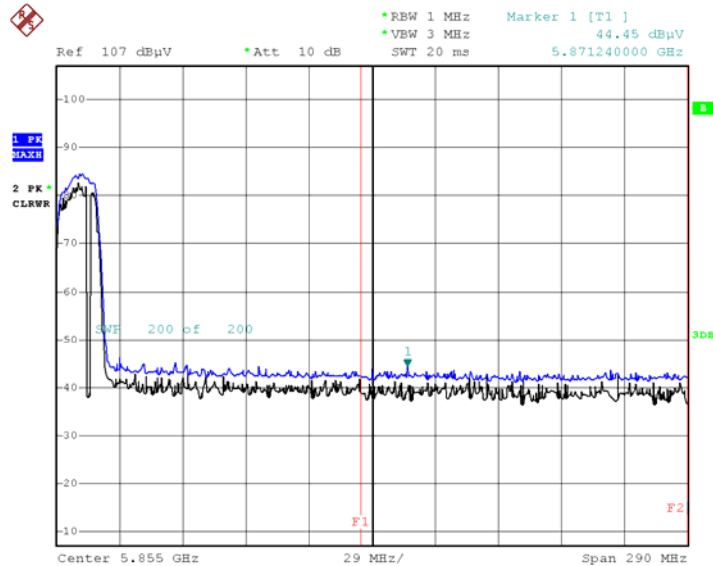
### Peak Reading (802.11n\_HT20, Ch.144, X-V)



Date: 31.MAR.2020 15:15:47

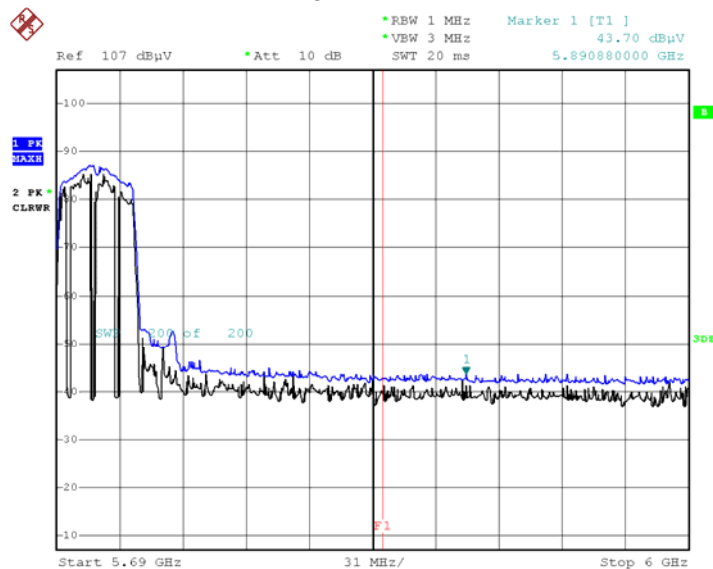


## Peak Reading (802.11ac\_VHT20, Ch.144, X-V)



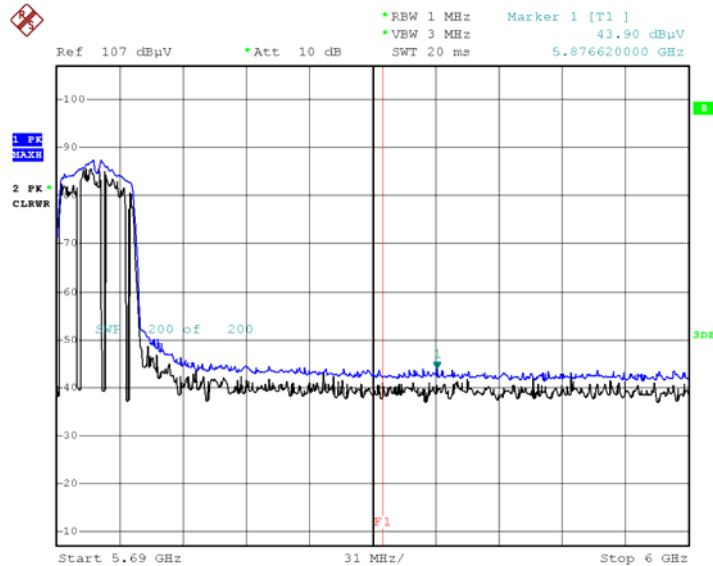
Date: 31.MAR.2020 15:16:45

## Peak Reading (802.11n\_HT40, Ch.142, X-V)



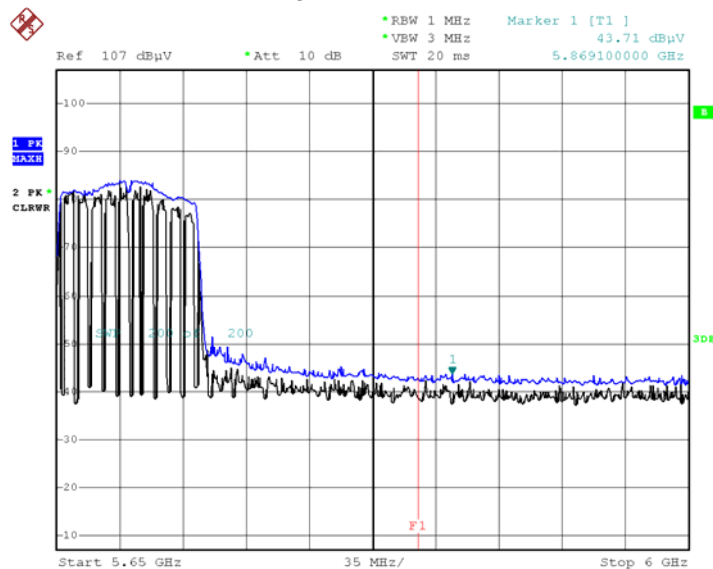
Date: 17.MAR.2020 14:25:37

## Peak Reading (802.11ac\_VHT40, Ch.142, X-V)



Date: 17.MAR.2020 14:26:49

## Peak Reading (802.11ac\_VHT80, Ch.138, X-V)



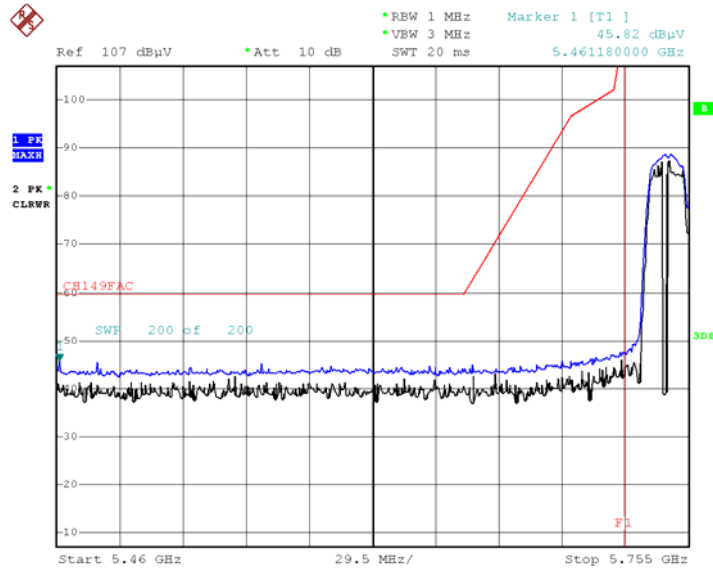
Date: 17.MAR.2020 14:28:00

### Note :

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

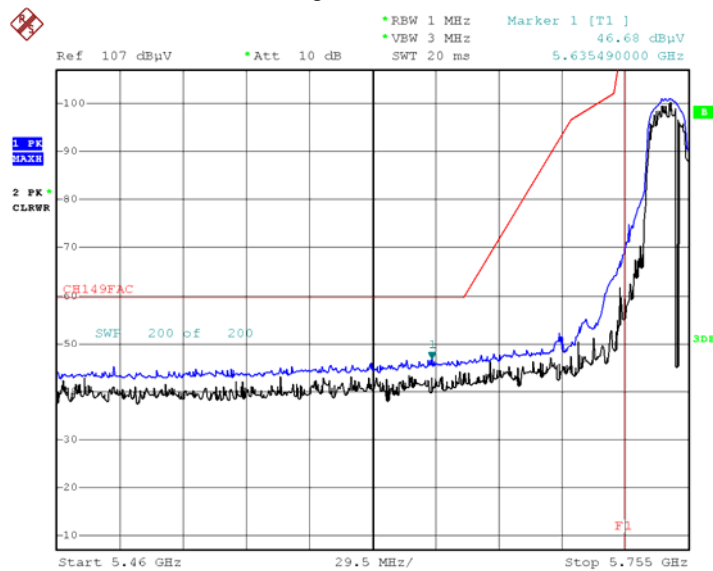
### Test Plots(UNII 3)

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



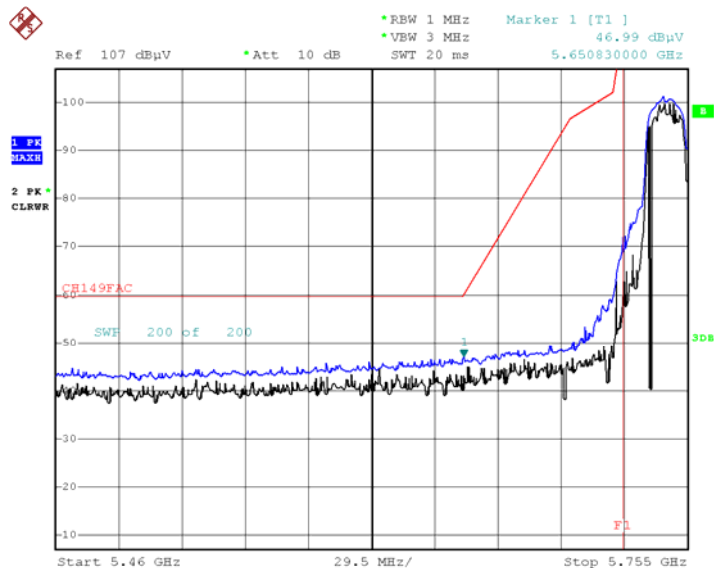
Date: 17.MAR.2020 14:41:20

#### Peak Reading (802.11n\_HT20, Ch.149, X-V)



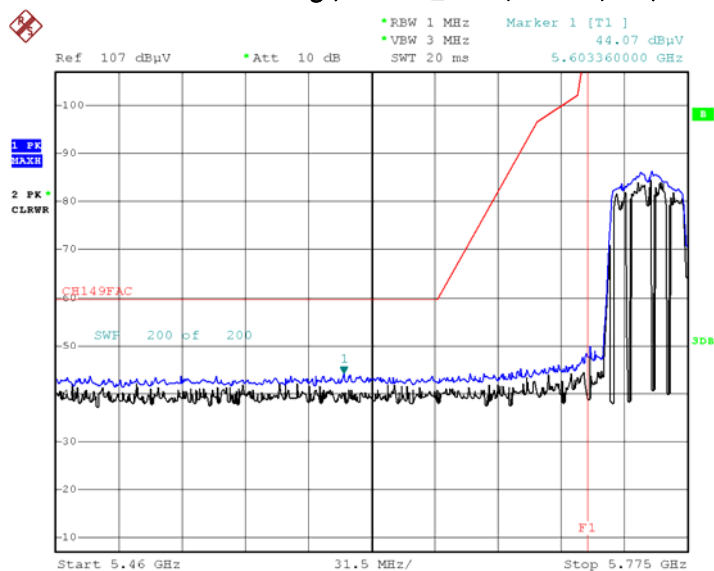
Date: 19.FEB.2020 10:01:15

## Peak Reading (802.11ac\_VHT20, Ch.149, X-V)



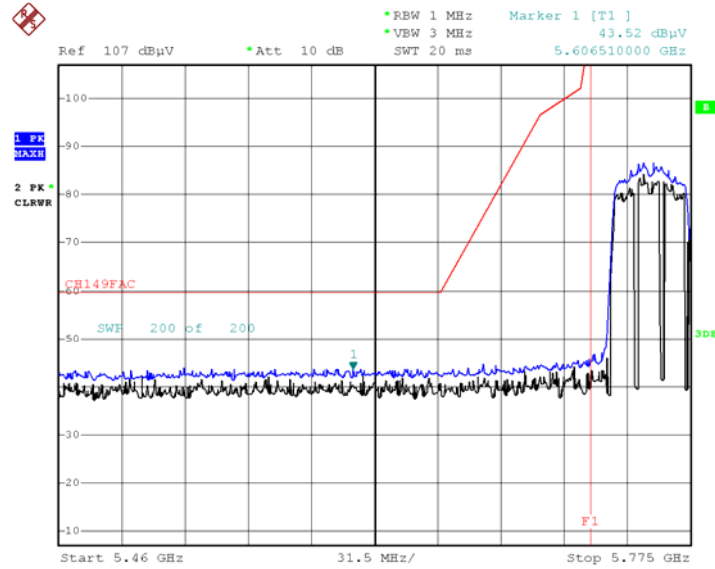
Date: 19.FEB.2020 10:03:39

## Peak Reading (802.11n\_HT40, Ch.151, X-V)



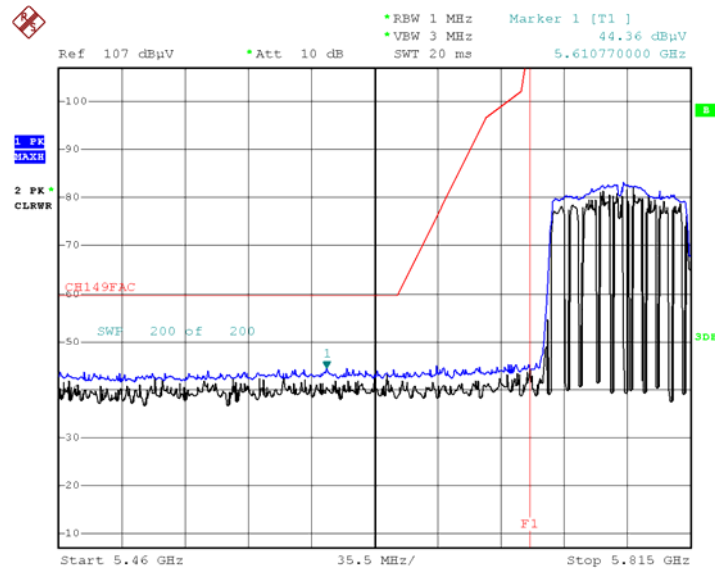
Date: 17.MAR.2020 14:43:43

### Peak Reading (802.11ac\_VHT40, Ch.151, X-V)



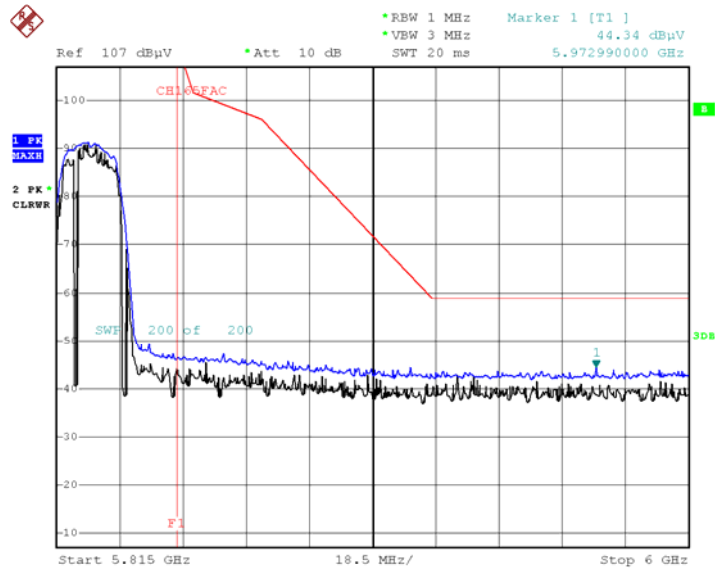
Date: 17.MAR.2020 14:44:29

### Peak Reading (802.11ac\_VHT80, Ch.155, X-V)



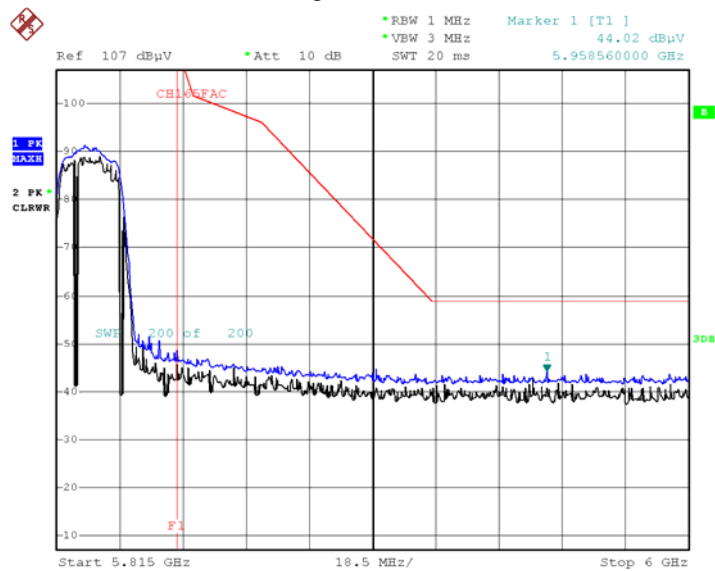
Date: 17.MAR.2020 14:45:17

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



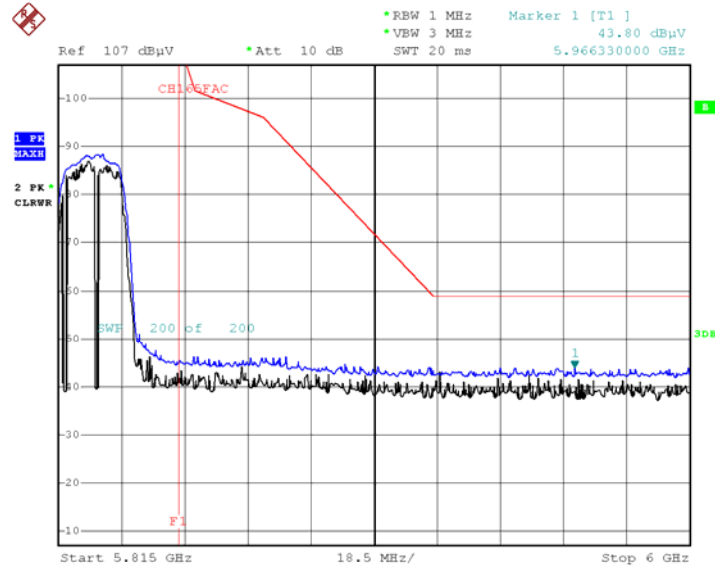
Date: 17.MAR.2020 14:56:08

## Peak Reading (802.11n\_HT20, Ch.165, X-V)



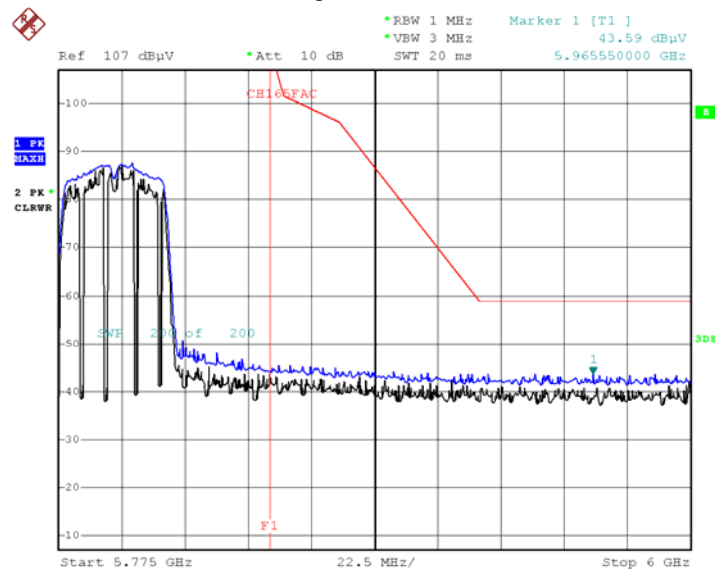
Date: 17.MAR.2020 14:56:58

### Peak Reading (802.11ac\_VHT20, Ch.165, X-V)



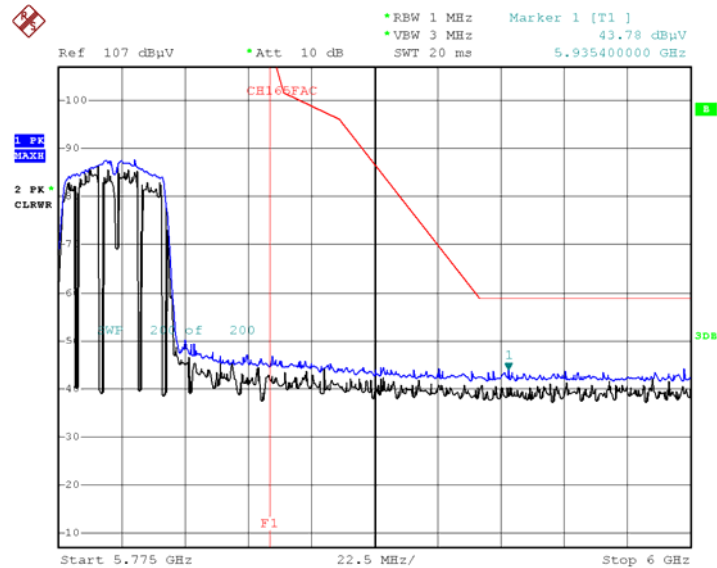
Date: 20.MAR.2020 11:24:34

### Peak Reading (802.11n\_HT40, Ch.159, X-V)



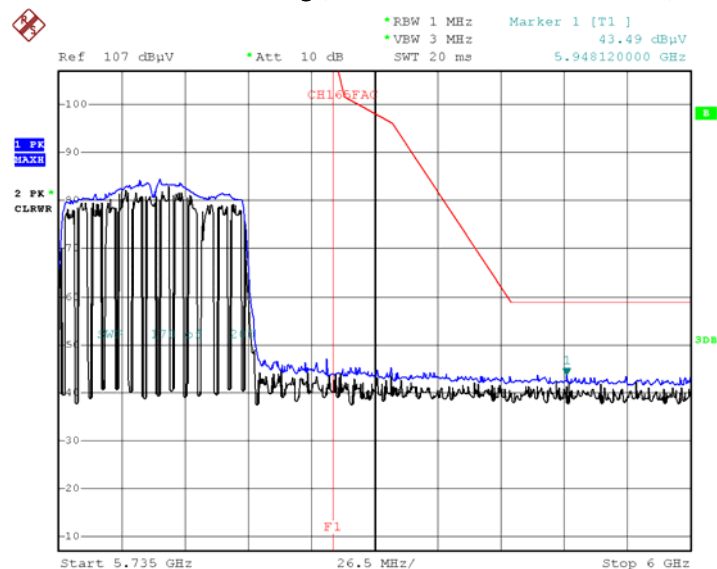
Date: 17.MAR.2020 14:58:24

### Peak Reading (802.11ac\_VHT40, Ch.159, X-V)



Date: 17.MAR.2020 14:59:11

### Peak Reading (802.11ac\_VHT80, Ch.155, X-V)



Date: 17.MAR.2020 14:59:48



## 10.10 RECEIVER SPURIOUS EMISSIONS

### Frequency Range : Below 1 GHz

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

#### **Note:**

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

### Frequency Range : Above 1 GHz

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

## 11. LIST OF TEST EQUIPMENT

### Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	09/11/2019	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/18/2019	Annual	100584
ESPAC	SU-642 / Temperature Chamber	08/14/2019	Annual	93000718
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	05/09/2019	Annual	MY49432108
Agilent	N1911A / Power Meter	04/10/2019	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/10/2019	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/11/2019	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	05/24/2019	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/18/2019	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/02/2019	Annual	07560
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A
Rohde & Schwarz	CBT / Bluetooth Tester	05/16/2019	Annual	100422

### Note:

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

**Radiated Test**

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
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	04/26/2019	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
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	06/18/2019	Annual	25956
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-2003-FI009-P