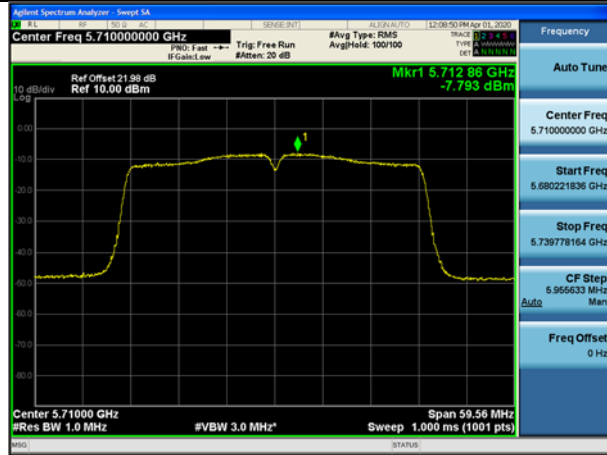
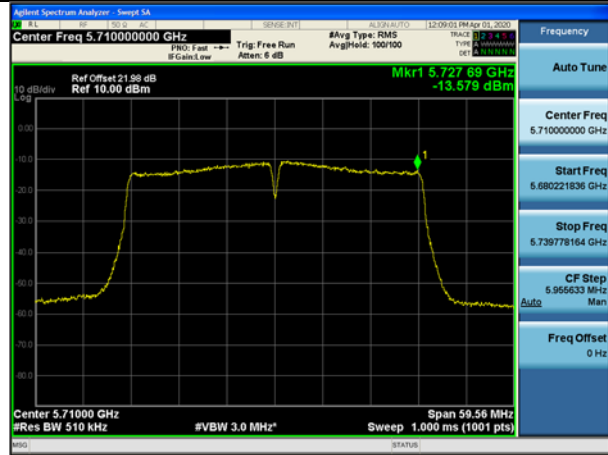


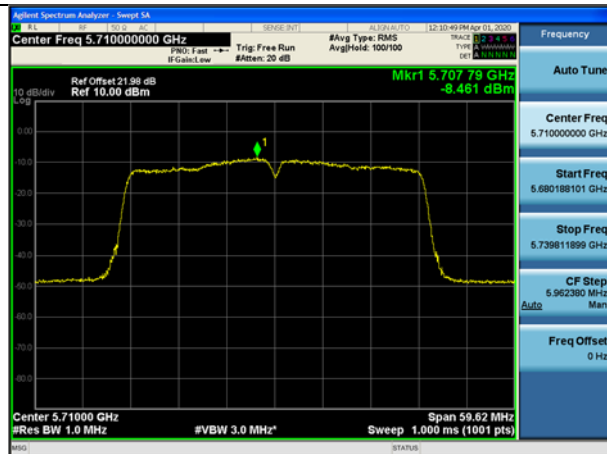
802.11n(HT40) UNII 2C Band



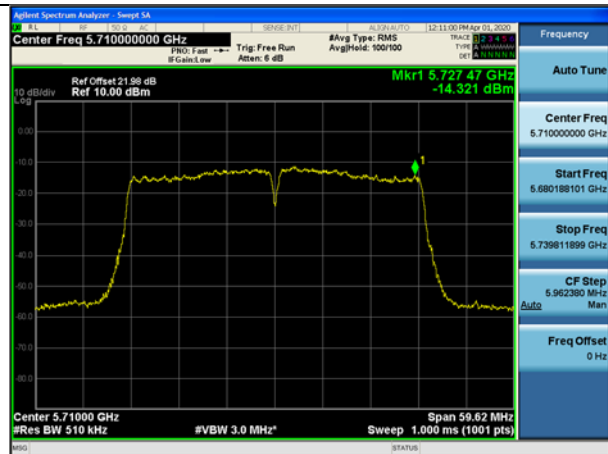
802.11n(HT40) UNII 3 Band



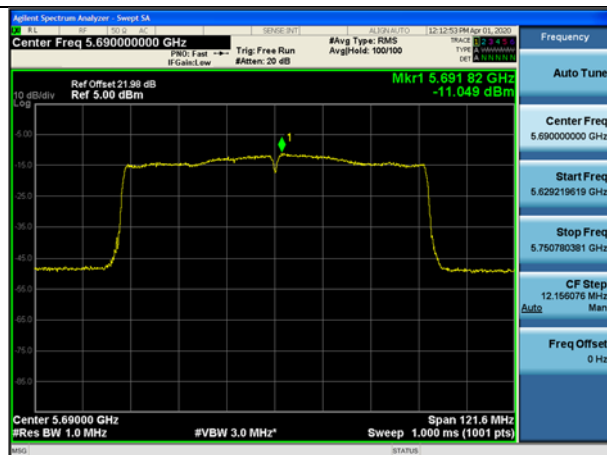
802.11ac(VHT40) UNII 2C Band



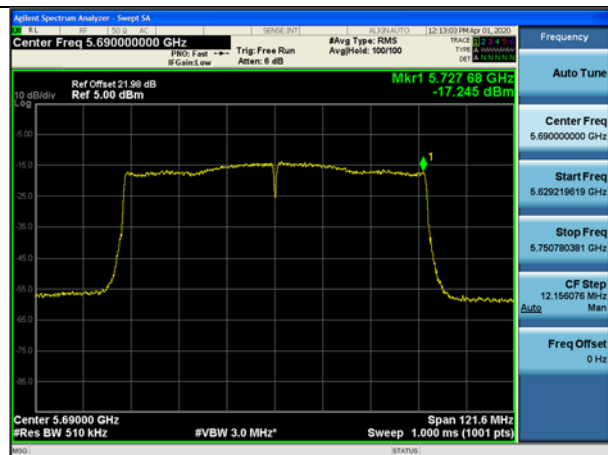
802.11ac(VHT40) UNII 3 Band



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	A.F+C.L-A.G+D.F [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	45.49	13.42	V	58.91	73.98	15.07	PK
15540	31.60	13.42	V	45.02	53.98	8.96	AV
10360	42.58	9.17	H	51.75	68.20	16.45	PK
15540	44.09	13.42	H	57.51	73.98	16.47	PK
15540	30.49	13.42	H	43.91	53.98	10.07	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]	Detect
10400	44.52	9.57	V	54.09	68.20	14.11	PK
15600	44.89	13.16	V	58.05	73.98	15.93	PK
15600	31.02	13.16	V	44.18	53.98	9.80	AV
10400	43.31	9.57	H	52.88	68.20	15.32	PK
15600	43.35	13.16	H	56.51	73.98	17.47	PK
15600	30.70	13.16	H	43.86	53.98	10.12	AV

Band : UNII 1
 Operation Mode: 802.11 a
 Transfer Rate: 6 Mbps
 Operating Frequency 5240 MHz
 Channel No. 48 Ch

Frequency [MHz]	Reading dBuV	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	43.59	9.94	V	53.53	68.20	14.67	PK
15720	49.03	13.28	V	62.31	73.98	11.67	PK
15720	31.44	13.28	V	44.72	53.98	9.26	AV
10480	42.16	9.94	H	52.10	68.20	16.10	PK
15720	47.52	13.28	H	60.80	73.98	13.18	PK
15720	30.46	13.28	H	43.74	53.98	10.24	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]	Detect
10520	42.96	9.96	V	52.92	68.20	15.28	PK
15780	43.44	13.29	V	56.73	73.98	17.25	PK
15780	29.07	13.29	V	42.36	53.98	11.62	AV
10520	42.30	9.96	H	52.26	68.20	15.94	PK
15780	42.42	13.29	H	55.71	73.98	18.27	PK
15780	28.92	13.29	H	42.21	53.98	11.77	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]	Detect
10600	43.33	10.34	V	53.67	73.98	20.31	PK
10600	29.25	10.34	V	39.59	53.98	14.39	AV
15900	47.45	13.19	V	60.64	73.98	13.34	PK
15900	31.14	13.19	V	44.33	53.98	9.65	AV
10600	42.62	10.34	H	52.96	73.98	21.02	PK
10600	29.05	10.34	H	39.39	53.98	14.59	AV
15900	46.88	13.19	H	60.07	73.98	13.91	PK
15900	31.08	13.19	H	44.27	53.98	9.71	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]	Detect
10640	42.87	10.30	V	53.17	73.98	20.81	PK
10640	29.04	10.30	V	39.34	53.98	14.64	AV
15960	47.76	12.29	V	60.05	73.98	13.93	PK
15960	31.63	12.29	V	43.92	53.98	10.06	AV
10640	42.03	10.30	H	52.33	73.98	21.65	PK
10640	28.89	10.30	H	39.19	53.98	14.79	AV
15960	46.28	12.29	H	58.57	73.98	15.41	PK
15960	30.57	12.29	H	42.86	53.98	11.12	AV

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

Frequency [MHz]	Reading dBuV	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	42.45	11.12	V	53.57	73.98	20.41	PK
11000	30.22	11.12	V	41.34	53.98	12.64	AV
16500	45.70	12.50	V	58.20	68.20	10.00	PK
11000	41.56	11.12	H	52.68	73.98	21.30	PK
11000	29.18	11.12	H	40.30	53.98	13.68	AV
16500	44.37	12.50	H	56.87	68.20	11.33	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	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	42.12	11.13	V	53.25	73.98	20.73	PK
11160	28.56	11.13	V	39.69	53.98	14.29	AV
16740	45.74	13.55	V	59.29	68.20	8.91	PK
11160	41.09	11.13	H	52.22	73.98	21.76	PK
11160	27.63	11.13	H	38.76	53.98	15.22	AV
16740	44.45	13.55	H	58.00	68.20	10.20	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]	Detect
11440	42.67	11.26	V	53.93	73.98	20.05	PK
11440	28.35	11.26	V	39.61	53.98	14.37	AV
17160	44.77	14.70	V	59.47	68.20	8.73	PK
11440	41.24	11.26	H	52.50	73.98	21.48	PK
11440	27.06	11.26	H	38.32	53.98	15.66	AV
17160	43.48	14.70	H	58.18	68.20	10.02	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]	Detect
11490	41.43	11.54	V	52.97	73.98	21.01	PK
11490	28.31	11.54	V	39.85	53.98	14.13	AV
17235	45.44	15.28	V	60.72	68.20	7.48	PK
11490	40.25	11.54	H	51.79	73.98	22.19	PK
11490	27.24	11.54	H	38.78	53.98	15.20	AV
17235	44.39	15.28	H	59.67	68.20	8.53	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]	Detect
11570	41.73	10.94	V	52.67	73.98	21.31	PK
11570	29.33	10.94	V	40.27	53.98	13.71	AV
17355	46.03	15.94	V	61.97	68.20	6.23	PK
11570	40.52	10.94	H	51.46	73.98	22.52	PK
11570	28.17	10.94	H	39.11	53.98	14.87	AV
17355	44.68	15.94	H	60.62	68.20	7.58	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]	Detect
11650	42.88	10.39	V	53.27	73.98	20.71	PK
11650	30.34	10.39	V	40.73	53.98	13.25	AV
17475	45.28	17.24	V	62.52	68.20	5.68	PK
11650	41.59	10.39	H	51.98	73.98	22.00	PK
11650	29.24	10.39	H	39.63	53.98	14.35	AV
17475	45.97	17.24	H	63.21	68.20	4.99	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]	Detect
10360	43.72	9.17	V	52.89	68.20	15.31	PK
15540	45.44	13.42	V	58.86	73.98	15.12	PK
15540	31.43	13.42	V	44.85	53.98	9.13	AV
10360	42.70	9.17	H	51.87	68.20	16.33	PK
15540	43.58	13.42	H	57.00	73.98	16.98	PK
15540	30.28	13.42	H	43.70	53.98	10.28	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]	Detect
10400	43.54	9.57	V	53.11	68.20	15.09	PK
15600	45.35	13.16	V	58.51	73.98	15.47	PK
15600	31.06	13.16	V	44.22	53.98	9.76	AV
10400	42.43	9.57	H	52.00	68.20	16.20	PK
15600	44.21	13.16	H	57.37	73.98	16.61	PK
15600	29.86	13.16	H	43.02	53.98	10.96	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]	Detect
10480	43.35	9.94	V	53.29	68.20	14.91	PK
15720	49.96	13.28	V	63.24	73.98	10.74	PK
15720	31.47	13.28	V	44.75	53.98	9.23	AV
10480	42.22	9.94	H	52.16	68.20	16.04	PK
15720	48.57	13.28	H	61.85	73.98	12.13	PK
15720	30.36	13.28	H	43.64	53.98	10.34	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]	Detect
10520	43.22	9.96	V	53.18	68.20	15.02	PK
15780	42.79	13.29	V	56.08	73.98	17.90	PK
15780	29.05	13.29	V	42.34	53.98	11.64	AV
10520	42.98	9.96	H	52.94	68.20	15.26	PK
15780	42.46	13.29	H	55.75	73.98	18.23	PK
15780	29.01	13.29	H	42.30	53.98	11.68	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]	Detect
10600	42.97	10.34	V	53.31	73.98	20.67	PK
10600	29.20	10.34	V	39.54	53.98	14.44	AV
15900	48.17	13.19	V	61.36	73.98	12.62	PK
15900	31.07	13.19	V	44.26	53.98	9.72	AV
10600	41.88	10.34	H	52.22	73.98	21.76	PK
10600	29.06	10.34	H	39.40	53.98	14.58	AV
15900	47.47	13.19	H	60.66	73.98	13.32	PK
15900	30.61	13.19	H	43.80	53.98	10.18	AV

Band : UNII 2A
 Operation Mode: 802.11 n(HT20)
 Transfer MCS Index: MCS0
 Operating Frequency 5320 MHz
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	43.07	10.30	V	53.37	73.98	20.61	PK
10640	29.22	10.30	V	39.52	53.98	14.46	AV
15960	48.60	12.29	V	60.89	73.98	13.09	PK
15960	31.39	12.29	V	43.68	53.98	10.30	AV
10640	42.88	10.30	H	53.18	73.98	20.80	PK
10640	29.05	10.30	H	39.35	53.98	14.63	AV
15960	46.47	12.29	H	58.76	73.98	15.22	PK
15960	31.26	12.29	H	43.55	53.98	10.43	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]	Detect
11000	42.56	11.12	V	53.68	73.98	20.30	PK
11000	28.78	11.12	V	39.90	53.98	14.08	AV
16500	44.40	12.50	V	56.90	68.20	11.30	PK
11000	41.44	11.12	H	52.56	73.98	21.42	PK
11000	27.65	11.12	H	38.77	53.98	15.21	AV
16500	43.27	12.50	H	55.77	68.20	12.43	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	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	42.99	11.13	V	54.12	73.98	19.86	PK
11160	28.68	11.13	V	39.81	53.98	14.17	AV
16740	45.48	13.55	V	59.03	68.20	9.17	PK
11160	41.83	11.13	H	52.96	73.98	21.02	PK
11160	27.49	11.13	H	38.62	53.98	15.36	AV
16740	44.21	13.55	H	57.76	68.20	10.44	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]	Detect
11440	41.94	11.26	V	53.20	73.98	20.78	PK
11440	28.37	11.26	V	39.63	53.98	14.35	AV
17160	44.70	14.70	V	59.40	68.20	8.80	PK
11440	40.57	11.26	H	51.83	73.98	22.15	PK
11440	27.61	11.26	H	38.87	53.98	15.11	AV
17160	43.49	14.70	H	58.19	68.20	10.01	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]	Detect
11490	41.96	11.54	V	53.50	73.98	20.48	PK
11490	28.38	11.54	V	39.92	53.98	14.06	AV
17235	45.92	15.28	V	61.20	68.20	7.00	PK
11490	40.63	11.54	H	52.17	73.98	21.81	PK
11490	27.45	11.54	H	38.99	53.98	14.99	AV
17235	44.37	15.28	H	59.65	68.20	8.55	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]	Detect
11570	42.41	10.94	V	53.35	73.98	20.63	PK
11570	29.41	10.94	V	40.35	53.98	13.63	AV
17355	45.25	15.94	V	61.19	68.20	7.01	PK
11570	41.67	10.94	H	52.61	73.98	21.37	PK
11570	28.64	10.94	H	39.58	53.98	14.40	AV
17355	44.61	15.94	H	60.55	68.20	7.65	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]	Detect
11650	42.33	10.39	V	52.72	73.98	21.26	PK
11650	30.47	10.39	V	40.86	53.98	13.12	AV
17475	45.02	17.24	V	62.26	68.20	5.94	PK
11650	41.28	10.39	H	51.67	73.98	22.31	PK
11650	29.69	10.39	H	40.08	53.98	13.90	AV
17475	44.88	17.24	H	62.12	68.20	6.08	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]	Detect
10360	44.03	9.17	V	53.20	68.20	15.00	PK
15540	45.80	13.42	V	59.22	73.98	14.76	PK
15540	31.39	13.42	V	44.81	53.98	9.17	AV
10360	42.96	9.17	H	52.13	68.20	16.07	PK
15540	44.53	13.42	H	57.95	73.98	16.03	PK
15540	30.33	13.42	H	43.75	53.98	10.23	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]	Detect
10400	43.88	9.57	V	53.45	68.20	14.75	PK
15600	45.21	13.16	V	58.37	73.98	15.61	PK
15600	31.04	13.16	V	44.20	53.98	9.78	AV
10400	42.16	9.57	H	51.73	68.20	16.47	PK
15600	43.96	13.16	H	57.12	73.98	16.86	PK
15600	30.11	13.16	H	43.27	53.98	10.71	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]	Detect
10480	43.94	9.94	V	53.88	68.20	14.32	PK
15720	49.83	13.28	V	63.11	73.98	10.87	PK
15720	31.31	13.28	V	44.59	53.98	9.39	AV
10480	42.18	9.94	H	52.12	68.20	16.08	PK
15720	48.73	13.28	H	62.01	73.98	11.97	PK
15720	30.29	13.28	H	43.57	53.98	10.41	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]	Detect
10520	43.50	9.96	V	53.46	68.20	14.74	PK
15780	42.80	13.29	V	56.09	73.98	17.89	PK
15780	29.11	13.29	V	42.40	53.98	11.58	AV
10520	42.12	9.96	H	52.08	68.20	16.12	PK
15780	41.59	13.29	H	54.88	73.98	19.10	PK
15780	28.97	13.29	H	42.26	53.98	11.72	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]	Detect
10600	43.01	10.34	V	53.35	73.98	20.63	PK
10600	29.50	10.34	V	39.84	53.98	14.14	AV
15900	48.85	13.19	V	62.04	73.98	11.94	PK
15900	30.91	13.19	V	44.10	53.98	9.88	AV
10600	42.54	10.34	H	52.88	73.98	21.10	PK
10600	29.12	10.34	H	39.46	53.98	14.52	AV
15900	46.75	13.19	H	59.94	73.98	14.04	PK
15900	30.79	13.19	H	43.98	53.98	10.00	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]	Detect
10640	42.53	10.30	V	52.83	73.98	21.15	PK
10640	29.05	10.30	V	39.35	53.98	14.63	AV
15960	49.19	12.29	V	61.48	73.98	12.50	PK
15960	31.54	12.29	V	43.83	53.98	10.15	AV
10640	41.76	10.30	H	52.06	73.98	21.92	PK
10640	28.94	10.30	H	39.24	53.98	14.74	AV
15960	48.49	12.29	H	60.78	73.98	13.20	PK
15960	30.52	12.29	H	42.81	53.98	11.17	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]	Detect
11000	42.39	11.12	V	53.51	73.98	20.47	PK
11000	29.03	11.12	V	40.15	53.98	13.83	AV
16500	44.24	12.50	V	56.74	68.20	11.46	PK
11000	41.21	11.12	H	52.33	73.98	21.65	PK
11000	28.24	11.12	H	39.36	53.98	14.62	AV
16500	43.38	12.50	H	55.88	68.20	12.32	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	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	42.49	11.13	V	53.62	73.98	20.36	PK
11160	28.56	11.13	V	39.69	53.98	14.29	AV
16740	46.68	13.55	V	60.23	68.20	7.97	PK
11160	41.50	11.13	H	52.63	73.98	21.35	PK
11160	27.49	11.13	H	38.62	53.98	15.36	AV
16740	45.34	13.55	H	58.89	68.20	9.31	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]	Detect
11440	41.80	11.26	V	53.06	73.98	20.92	PK
11440	28.36	11.26	V	39.62	53.98	14.36	AV
17160	44.60	14.70	V	59.30	68.20	8.90	PK
11440	40.65	11.26	H	51.91	73.98	22.07	PK
11440	27.22	11.26	H	38.48	53.98	15.50	AV
17160	43.12	14.70	H	57.82	68.20	10.38	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]	Detect
11490	41.92	11.54	V	53.46	73.98	20.52	PK
11490	28.32	11.54	V	39.86	53.98	14.12	AV
17235	44.78	15.28	V	60.06	68.20	8.14	PK
11490	40.88	11.54	H	52.42	73.98	21.56	PK
11490	27.16	11.54	H	38.70	53.98	15.28	AV
17235	43.90	15.28	H	59.18	68.20	9.02	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]	Detect
11570	41.81	10.94	V	52.75	73.98	21.23	PK
11570	29.32	10.94	V	40.26	53.98	13.72	AV
17355	45.50	15.94	V	61.44	68.20	6.76	PK
11570	40.57	10.94	H	51.51	73.98	22.47	PK
11570	28.64	10.94	H	39.58	53.98	14.40	AV
17355	44.51	15.94	H	60.45	68.20	7.75	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]	Detect
11650	43.39	10.39	V	53.78	73.98	20.20	PK
11650	30.36	10.39	V	40.75	53.98	13.23	AV
17475	44.85	17.24	V	62.09	68.20	6.11	PK
11650	42.35	10.39	H	52.74	73.98	21.24	PK
11650	29.64	10.39	H	40.03	53.98	13.95	AV
17475	43.92	17.24	H	61.16	68.20	7.04	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]	Detect
10380	44.00	9.23	V	53.23	68.20	14.97	PK
15570	44.96	13.21	V	58.17	73.98	15.81	PK
15570	31.70	13.21	V	44.91	53.98	9.07	AV
10380	43.08	9.23	H	52.31	68.20	15.89	PK
15570	43.69	13.21	H	56.90	73.98	17.08	PK
15570	30.56	13.21	H	43.77	53.98	10.21	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]	Detect
10460	44.56	9.83	V	54.39	68.20	13.81	PK
15690	43.69	13.19	V	56.88	73.98	17.10	PK
15690	30.78	13.19	V	43.97	53.98	10.01	AV
10460	43.26	9.83	H	53.09	68.20	15.11	PK
15690	42.34	13.19	H	55.53	73.98	18.45	PK
15690	29.62	13.19	H	42.81	53.98	11.17	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]	Detect
10540	43.10	9.84	V	52.94	68.20	15.26	PK
15810	42.61	13.30	V	55.91	73.98	18.07	PK
15810	29.68	13.30	V	42.98	53.98	11.00	AV
10540	42.42	9.84	H	52.26	68.20	15.94	PK
15810	41.89	13.30	H	55.19	73.98	18.79	PK
15810	29.51	13.30	H	42.81	53.98	11.17	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]	Detect
10620	42.67	10.22	V	52.89	73.98	21.09	PK
10620	29.72	10.22	V	39.94	53.98	14.04	AV
15930	44.23	12.71	V	56.94	73.98	17.04	PK
15930	31.00	12.71	V	43.71	53.98	10.27	AV
10620	41.61	10.22	H	51.83	73.98	22.15	PK
10620	29.54	10.22	H	39.76	53.98	14.22	AV
15930	43.81	12.71	H	56.52	73.98	17.46	PK
15930	30.71	12.71	H	43.42	53.98	10.56	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]	Detect
11020	43.16	11.18	V	54.34	73.98	19.64	PK
11020	29.56	11.18	V	40.74	53.98	13.24	AV
16530	44.83	12.80	V	57.63	68.20	10.57	PK
11020	42.32	11.18	H	53.50	73.98	20.48	PK
11020	28.41	11.18	H	39.59	53.98	14.39	AV
16530	43.35	12.80	H	56.15	68.20	12.05	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	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	41.91	10.89	V	52.80	73.98	21.18	PK
11100	28.91	10.89	V	39.80	53.98	14.18	AV
16650	45.14	13.76	V	58.90	68.20	9.30	PK
11100	40.86	10.89	H	51.75	73.98	22.23	PK
11100	28.06	10.89	H	38.95	53.98	15.03	AV
16650	44.07	13.76	H	57.83	68.20	10.37	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]	Detect
11420	42.11	11.29	V	53.40	73.98	20.58	PK
11420	29.43	11.29	V	40.72	53.98	13.26	AV
17130	43.89	14.54	V	58.43	68.20	9.77	PK
11420	41.29	11.29	H	52.58	73.98	21.40	PK
11420	28.63	11.29	H	39.92	53.98	14.06	AV
17130	42.67	14.54	H	57.21	68.20	10.99	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]	Detect
11510	41.92	11.45	V	53.37	73.98	20.61	PK
11510	28.59	11.45	V	40.04	53.98	13.94	AV
17265	44.34	15.19	V	59.53	68.20	8.67	PK
11510	40.39	11.45	H	51.84	73.98	22.14	PK
11510	27.64	11.45	H	39.09	53.98	14.89	AV
17265	43.28	15.19	H	58.47	68.20	9.73	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]	Detect
11590	42.90	10.48	V	53.38	73.98	20.60	PK
11590	29.99	10.48	V	40.47	53.98	13.51	AV
17385	44.24	16.15	V	60.39	68.20	7.81	PK
11590	41.82	10.48	H	52.30	73.98	21.68	PK
11590	28.87	10.48	H	39.35	53.98	14.63	AV
17385	43.71	16.15	H	59.86	68.20	8.34	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]	Detect
10380	43.53	9.23	V	52.76	68.20	15.44	PK
15570	45.10	13.21	V	58.31	73.98	15.67	PK
15570	31.60	13.21	V	44.81	53.98	9.17	AV
10380	42.36	9.23	H	51.59	68.20	16.61	PK
15570	44.32	13.21	H	57.53	73.98	16.45	PK
15570	30.83	13.21	H	44.04	53.98	9.94	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]	Detect
10460	43.78	9.83	V	53.61	68.20	14.59	PK
15690	43.53	13.19	V	56.72	73.98	17.26	PK
15690	31.08	13.19	V	44.27	53.98	9.71	AV
10460	42.50	9.83	H	52.33	68.20	15.87	PK
15690	42.68	13.19	H	55.87	73.98	18.11	PK
15690	30.13	13.19	H	43.32	53.98	10.66	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]	Detect
10540	43.06	9.84	V	52.90	68.20	15.30	PK
15810	42.48	13.30	V	55.78	73.98	18.20	PK
15810	29.62	13.30	V	42.92	53.98	11.06	AV
10540	42.28	9.84	H	52.12	68.20	16.08	PK
15810	41.80	13.30	H	55.10	73.98	18.88	PK
15810	29.44	13.30	H	42.74	53.98	11.24	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]	Detect
10620	42.85	10.22	V	53.07	73.98	20.91	PK
10620	29.74	10.22	V	39.96	53.98	14.02	AV
15930	44.24	12.71	V	56.95	73.98	17.03	PK
15930	31.07	12.71	V	43.78	53.98	10.20	AV
10620	41.84	10.22	H	52.06	73.98	21.92	PK
10620	29.56	10.22	H	39.78	53.98	14.20	AV
15930	43.31	12.71	H	56.02	73.98	17.96	PK
15930	31.00	12.71	H	43.71	53.98	10.27	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]	Detect
11020	37.03	11.18	V	48.21	73.98	25.77	PK
11020	29.49	11.18	V	40.67	53.98	13.31	AV
16530	45.07	12.80	V	57.87	68.20	10.33	PK
11020	35.99	11.18	H	47.17	73.98	26.81	PK
11020	28.35	11.18	H	39.53	53.98	14.45	AV
16530	44.40	12.80	H	57.20	68.20	11.00	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	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	42.13	10.89	V	53.02	73.98	20.96	PK
11100	29.14	10.89	V	40.03	53.98	13.95	AV
16650	44.44	13.76	V	58.20	68.20	10.00	PK
11100	41.36	10.89	H	52.25	73.98	21.73	PK
11100	28.21	10.89	H	39.10	53.98	14.88	AV
16650	43.28	13.76	H	57.04	68.20	11.16	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]	Detect
11420	42.57	11.29	V	53.86	73.98	20.12	PK
11420	28.79	11.29	V	40.08	53.98	13.90	AV
17130	44.01	14.54	V	58.55	68.20	9.65	PK
11420	41.71	11.29	H	53.00	73.98	20.98	PK
11420	27.92	11.29	H	39.21	53.98	14.77	AV
17130	43.12	14.54	H	57.66	68.20	10.54	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]	Detect
11510	41.77	11.45	V	53.22	73.98	20.76	PK
11510	29.10	11.45	V	40.55	53.98	13.43	AV
17265	44.36	15.19	V	59.55	68.20	8.65	PK
11510	40.53	11.45	H	51.98	73.98	22.00	PK
11510	28.34	11.45	H	39.79	53.98	14.19	AV
17265	43.27	15.19	H	58.46	68.20	9.74	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]	Detect
11590	41.99	10.48	V	52.47	73.98	21.51	PK
11590	30.51	10.48	V	40.99	53.98	12.99	AV
17385	44.74	16.15	V	60.89	68.20	7.31	PK
11590	40.86	10.48	H	51.34	73.98	22.64	PK
11590	29.30	10.48	H	39.78	53.98	14.20	AV
17385	43.82	16.15	H	59.97	68.20	8.23	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]	Detect
10420	43.66	9.19	V	52.85	68.20	15.35	PK
15630	44.78	13.57	V	58.35	73.98	15.63	PK
15630	31.35	13.57	V	44.92	53.98	9.06	AV
10420	42.19	9.19	H	51.38	68.20	16.82	PK
15630	43.21	13.57	H	56.78	73.98	17.20	PK
15630	30.28	13.57	H	43.85	53.98	10.13	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]	Detect
10580	43.09	10.35	V	53.44	68.20	14.76	PK
15870	43.08	13.05	V	56.13	73.98	17.85	PK
15870	30.37	13.05	V	43.42	53.98	10.56	AV
10580	42.15	10.35	H	52.50	68.20	15.70	PK
15870	42.74	13.05	H	55.79	73.98	18.19	PK
15870	30.15	13.05	H	43.20	53.98	10.78	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]	Detect
11060	42.18	10.95	V	53.13	73.98	20.85	PK
11060	28.89	10.95	V	39.84	53.98	14.14	AV
16590	45.40	12.73	V	58.13	68.20	10.07	PK
11060	41.29	10.95	H	52.24	73.98	21.74	PK
11060	27.68	10.95	H	38.63	53.98	15.35	AV
16590	44.22	12.73	H	56.95	68.20	11.25	PK

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

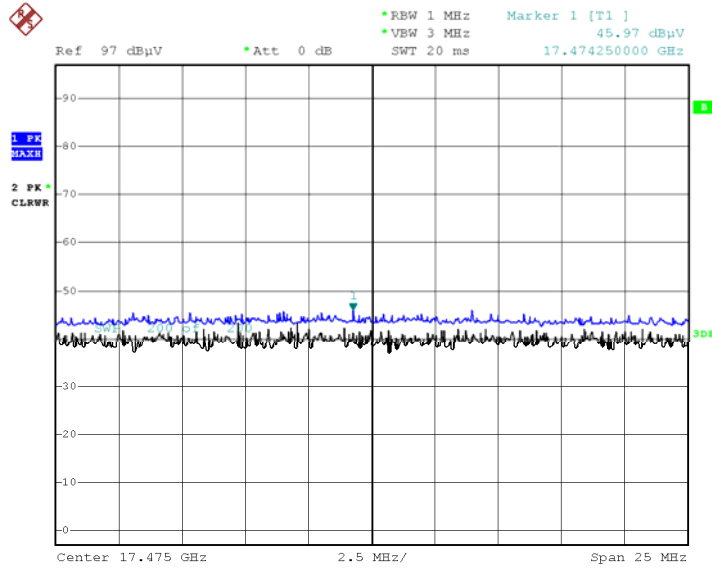
Frequency [MHz]	Reading dBuV	A.F+C.L-A.G+D.F [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11380	42.67	11.38	V	54.05	73.98	19.93	PK
11380	29.37	11.38	V	40.75	53.98	13.23	AV
17070	43.93	14.66	V	58.59	68.20	9.61	PK
11380	41.71	11.38	H	53.09	73.98	20.89	PK
11380	28.25	11.38	H	39.63	53.98	14.35	AV
17070	42.56	14.66	H	57.22	68.20	10.98	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]	Detect
11550	42.02	11.00	V	53.02	73.98	20.96	PK
11550	29.39	11.00	V	40.39	53.98	13.59	AV
17325	44.57	15.71	V	60.28	68.20	7.92	PK
11550	41.37	11.00	H	52.37	73.98	21.61	PK
11550	28.46	11.00	H	39.46	53.98	14.52	AV
17325	43.68	15.71	H	59.39	68.20	8.81	PK

▣ Test Plots

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



Date: 2.APR.2020 14:36:37

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	46.59	8.02	H	54.61	73.98	19.37	PK
5150	33.98	8.02	H	42.00	53.98	11.98	AV
5150	47.88	8.02	V	55.9	73.98	18.08	PK
5150	34.63	8.02	V	42.65	53.98	11.33	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	AF+CL-AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	46.15	7.87	H	54.02	73.98	19.96	PK
5350	34.18	7.87	H	42.05	53.98	11.93	AV
5350	47.02	7.87	V	54.89	73.98	19.09	PK
5350	34.44	7.87	V	42.31	53.98	11.67	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	42.58	8.35	H	50.93	73.98	23.05	PK
5460	32.03	8.35	H	40.38	53.98	13.60	AV
5470	45.05	8.31	H	53.36	68.20	14.84	PK
5460	43.01	8.35	V	51.36	73.98	22.62	PK
5460	32.17	8.31	V	40.48	53.98	13.50	AV
5470	45.55	8.31	V	53.86	68.20	14.34	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	43.12	9.25	H	52.37	68.20	15.83	PK
5850	43.83	9.25	V	53.08	68.20	15.12	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	45.29	8.02	H	53.31	73.98	20.67	PK
5150	33.69	8.02	H	41.71	53.98	12.27	AV
5150	46.39	8.02	V	54.41	73.98	19.57	PK
5150	34.28	8.02	V	42.3	53.98	11.68	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	45.33	7.87	H	53.20	73.98	20.78	PK
5350	33.19	7.87	H	41.06	53.98	12.92	AV
5350	46.63	7.87	V	54.5	73.98	19.48	PK
5350	34.25	7.87	V	42.12	53.98	11.86	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	42.89	8.35	H	51.24	73.98	22.74	PK
5460	32.16	8.35	H	40.51	53.98	13.47	AV
5470	44.36	8.31	H	52.67	68.20	15.53	PK
5460	44.23	8.35	V	52.58	73.98	21.40	PK
5460	32.60	8.31	V	40.91	53.98	13.07	AV
5470	45.75	8.31	V	54.06	68.20	14.14	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	43.58	9.25	H	52.83	68.20	15.37	PK
5850	44.39	9.25	V	53.64	68.20	14.56	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	47.00	8.02	H	55.02	73.98	18.96	PK
5150	34.08	8.02	H	42.1	53.98	11.88	AV
5150	47.52	8.02	V	55.54	73.98	18.44	PK
5150	34.36	8.02	V	42.38	53.98	11.60	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	46.26	7.87	H	54.13	73.98	19.85	PK
5350	33.61	7.87	H	41.48	53.98	12.50	AV
5350	47.29	7.87	V	55.16	73.98	18.82	PK
5350	34.73	7.87	V	42.6	53.98	11.38	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	43.77	8.35	H	52.12	73.98	21.86	PK
5460	31.56	8.35	H	39.91	53.98	14.07	AV
5470	43.46	8.31	H	51.77	68.20	16.43	PK
5460	44.95	8.35	V	53.3	73.98	20.68	PK
5460	32.39	8.31	V	40.7	53.98	13.28	AV
5470	46.29	8.31	V	54.6	68.20	13.60	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	42.51	9.25	H	51.76	68.20	16.44	PK
5850	43.56	9.25	V	52.81	68.20	15.39	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	44.52	8.02	H	52.54	73.98	21.44	PK
5150	33.27	8.02	H	41.29	53.98	12.69	AV
5150	45.74	8.02	V	53.76	73.98	20.22	PK
5150	33.98	8.02	V	42.00	53.98	11.98	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	45.28	7.87	H	53.15	73.98	20.83	PK
5350	33.47	7.87	H	41.34	53.98	12.64	AV
5350	47.37	7.87	V	55.24	73.98	18.74	PK
5350	34.92	7.87	V	42.79	53.98	11.19	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	46.62	8.35	H	54.97	73.98	19.01	PK
5460	33.90	8.35	H	42.25	53.98	11.73	AV
5470	47.86	8.31	H	56.17	68.20	12.03	PK
5460	47.72	8.35	V	56.07	73.98	17.91	PK
5460	34.18	8.31	V	42.49	53.98	11.49	AV
5470	50.36	8.31	V	58.67	68.20	9.53	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	43.33	9.25	H	52.58	68.20	15.62	PK
5850	44.16	9.25	V	53.41	68.20	14.79	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	44.16	8.02	H	52.18	73.98	21.80	PK
5150	32.57	8.02	H	40.59	53.98	13.39	AV
5150	45.22	8.02	V	53.24	73.98	20.74	PK
5150	33.68	8.02	V	41.7	53.98	12.28	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	45.57	7.87	H	53.44	73.98	20.54	PK
5350	33.64	7.87	H	41.51	53.98	12.47	AV
5350	46.80	7.87	V	54.67	73.98	19.31	PK
5350	35.02	7.87	V	42.89	53.98	11.09	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	43.95	8.35	H	52.30	73.98	21.68	PK
5460	32.55	8.35	H	40.9	53.98	13.08	AV
5470	45.61	8.31	H	53.92	68.20	14.28	PK
5460	45.58	8.35	V	53.93	73.98	20.05	PK
5460	32.92	8.31	V	41.23	53.98	12.75	AV
5470	46.57	8.31	V	54.88	68.20	13.32	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	43.57	9.25	H	52.82	68.20	15.38	PK
5850	45.24	9.25	V	54.49	68.20	13.71	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	47.20	8.02	H	55.22	73.98	18.76	PK
5150	35.93	8.02	H	43.95	53.98	10.03	AV
5150	49.19	8.02	V	57.21	73.98	16.77	PK
5150	36.57	8.02	V	44.59	53.98	9.39	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	48.72	7.87	H	56.59	73.98	17.39	PK
5350	34.20	7.87	H	42.07	53.98	11.91	AV
5350	49.31	7.87	V	57.18	73.98	16.80	PK
5350	35.52	7.87	V	43.39	53.98	10.59	AV

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

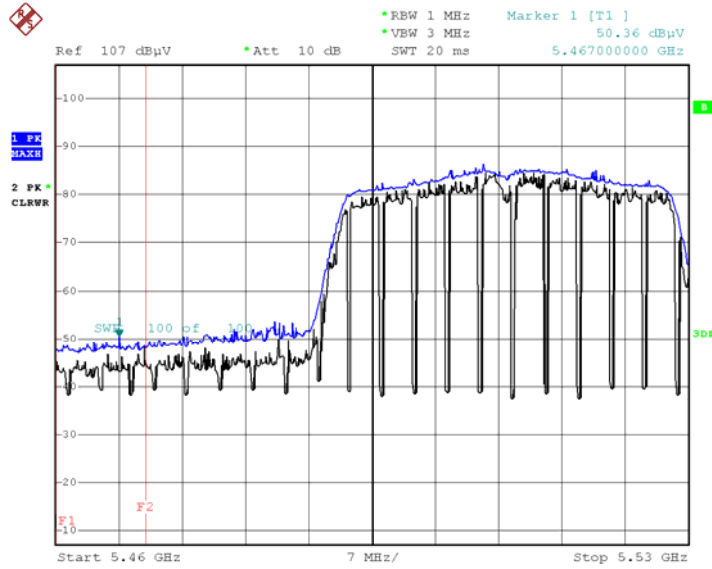
Frequency [MHz]	Reading dBuV	AF+CL-AG+ATT+DF [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	45.39	8.35	H	53.74	73.98	20.24	PK
5460	32.30	8.35	H	40.65	53.98	13.33	AV
5470	45.98	8.31	H	54.29	68.20	13.91	PK
5460	45.85	8.35	V	54.2	73.98	19.78	PK
5460	33.03	8.31	V	41.34	53.98	12.64	AV
5470	46.06	8.31	V	54.37	68.20	13.83	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	44.08	9.25	H	53.33	68.20	14.87	PK
5850	44.26	9.25	V	53.51	68.20	14.69	PK

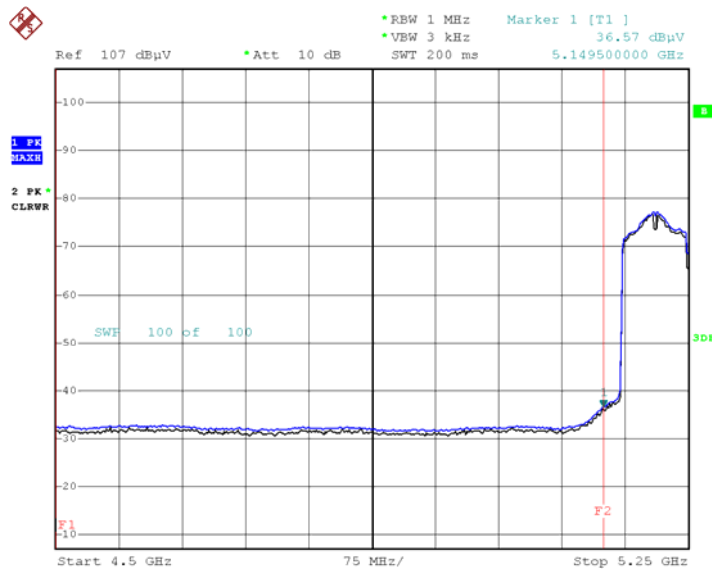
▣ Test Plots(UNII 1, 2A, 2C)

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



Date: 31.MAR.2020 12:56:04

Average Reading (802.11 ac_VHT80_MCS0, Ch.42, X-V)



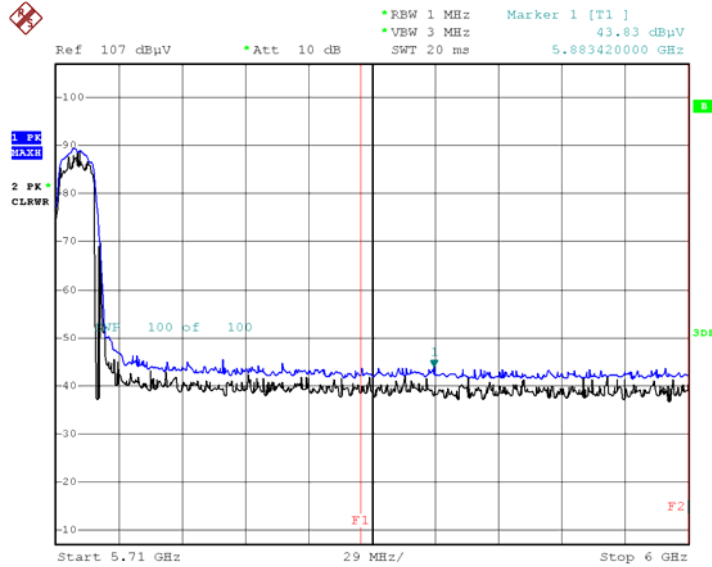
Date: 31.MAR.2020 13:17:25

Note:

Only the worst case plots for Radiated Restricted Band Edge.

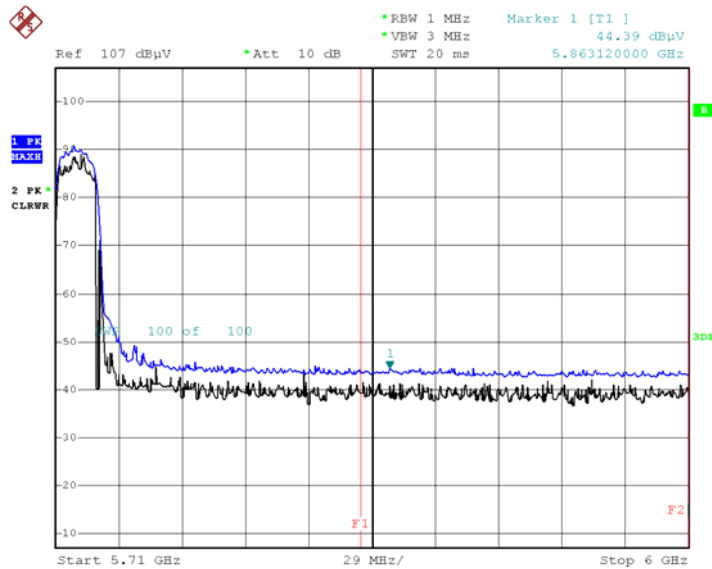
Test Plots(Staraddle Channel)

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



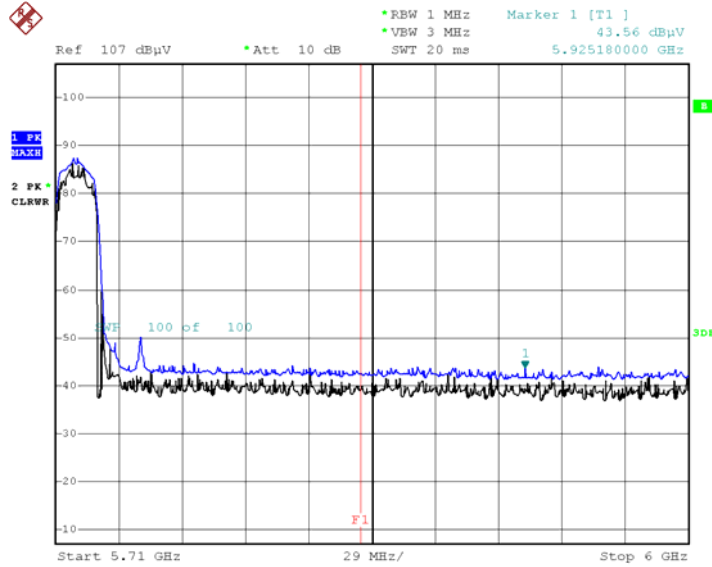
Date: 31.MAR.2020 14:45:58

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



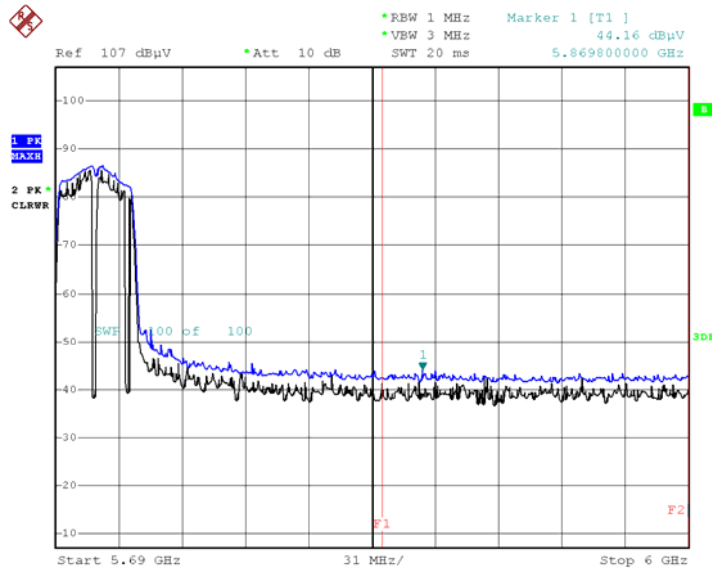
Date: 31.MAR.2020 14:55:40

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



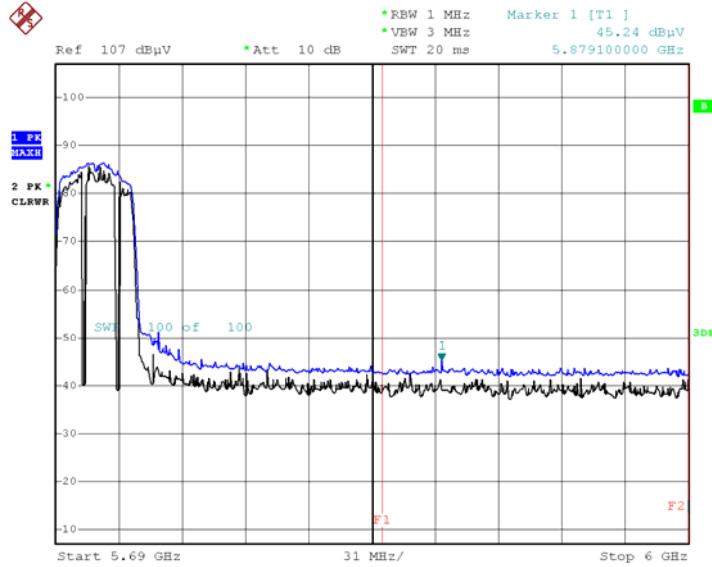
Date: 1.APR.2020 14:40:49

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



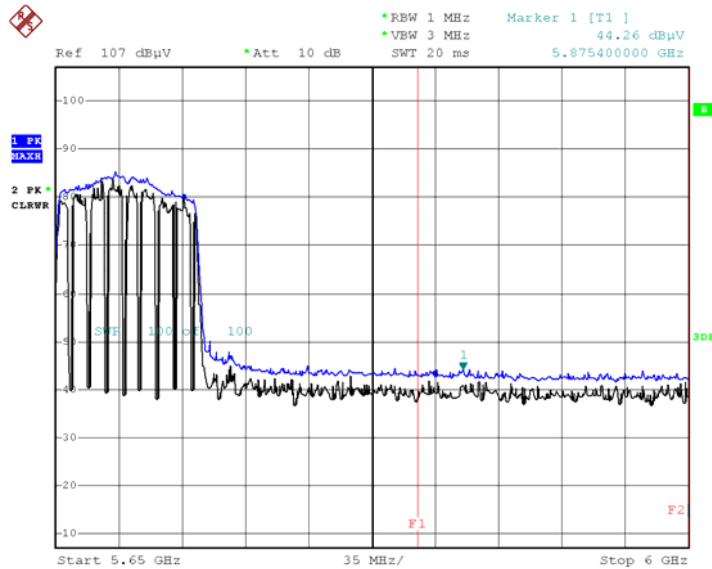
Date: 31.MAR.2020 14:58:36

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



Date: 31.MAR.2020 15:00:55

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



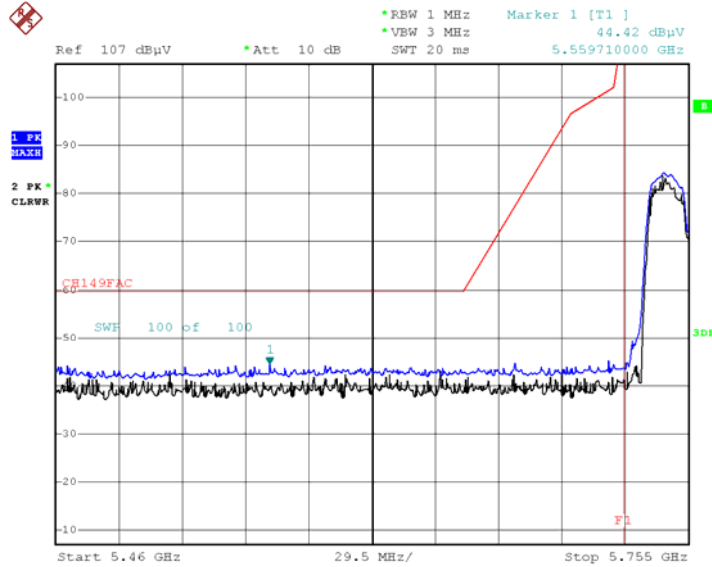
Date: 31.MAR.2020 15:02:46

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)

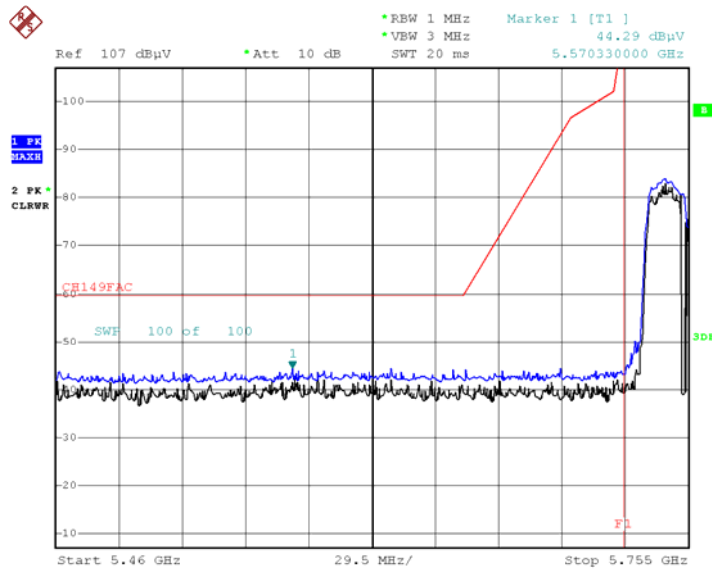
▣ Test Plots(UNII 3)

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



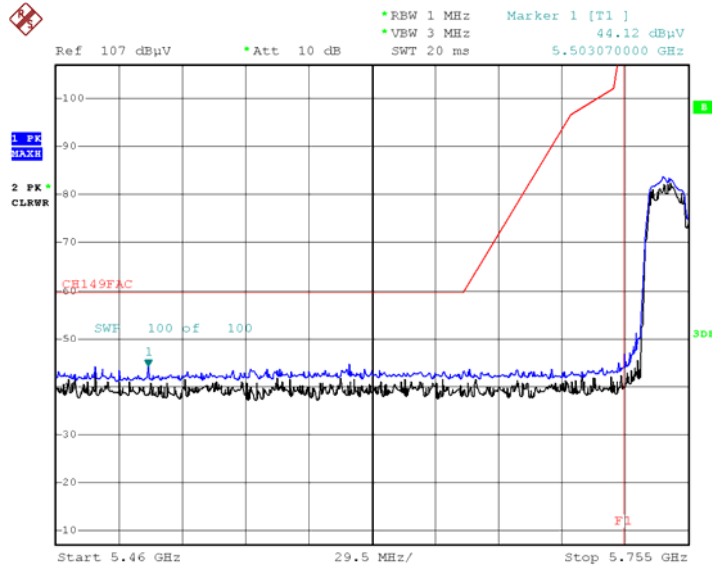
Date: 31.MAR.2020 14:36:18

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



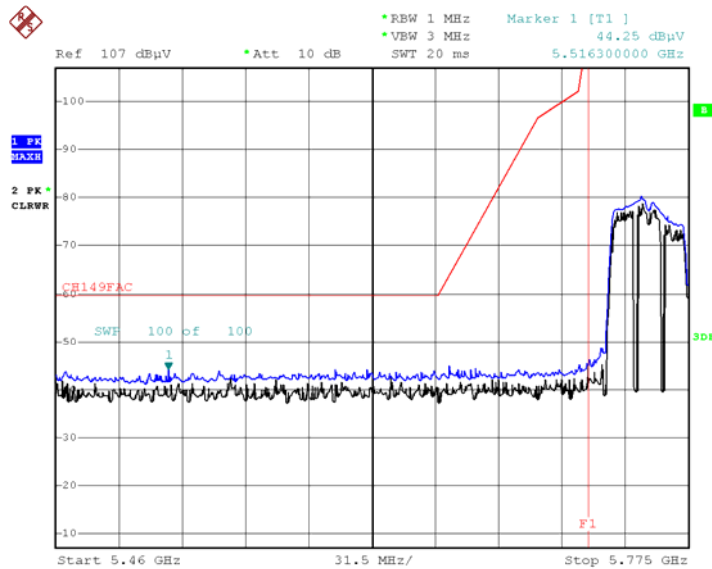
Date: 31.MAR.2020 14:37:07

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



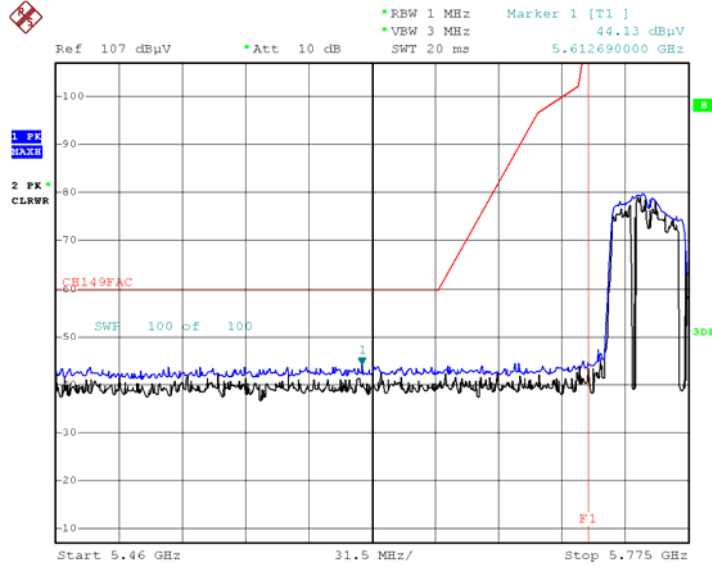
Date: 31.MAR.2020 14:39:21

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



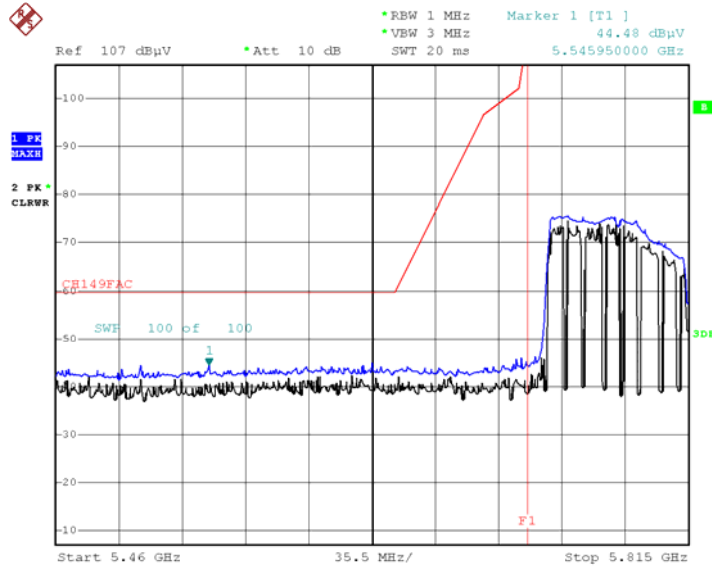
Date: 31.MAR.2020 14:40:34

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



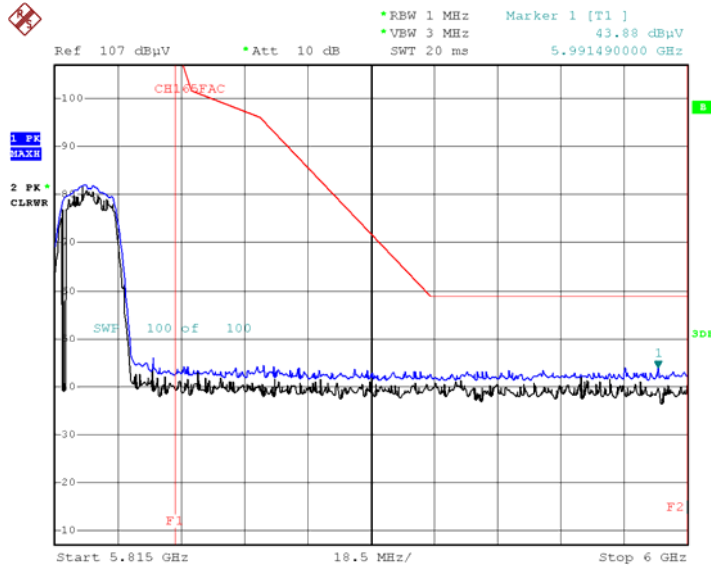
Date: 31.MAR.2020 14:41:22

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



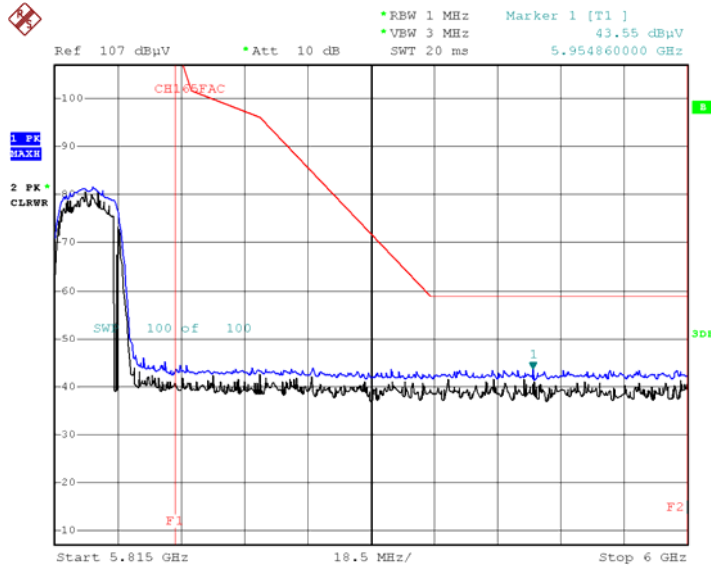
Date: 31.MAR.2020 14:42:49

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



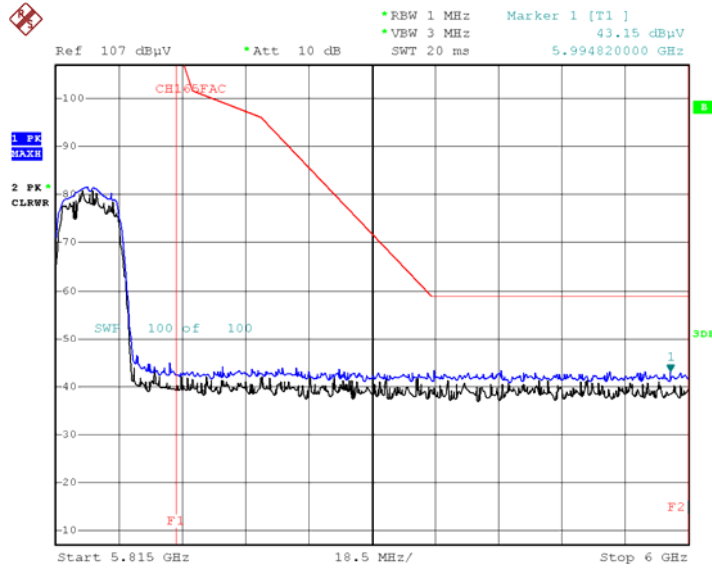
Date: 31.MAR.2020 14:27:04

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



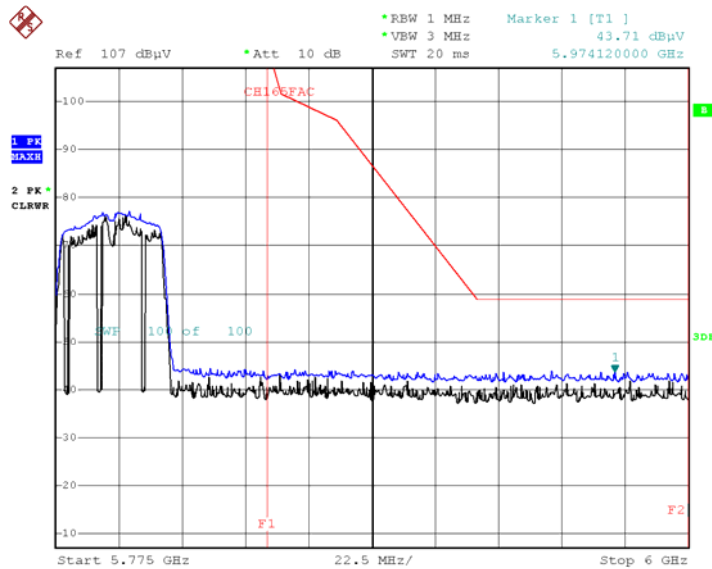
Date: 31.MAR.2020 14:26:08

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



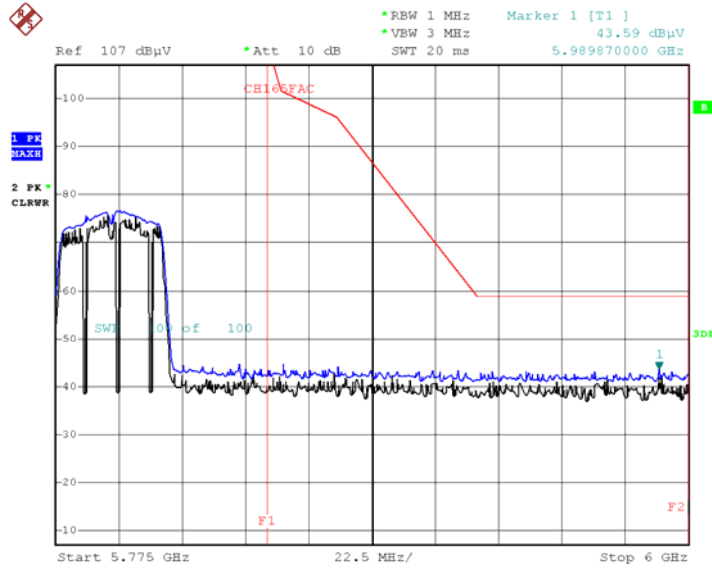
Date: 31.MAR.2020 14:27:54

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



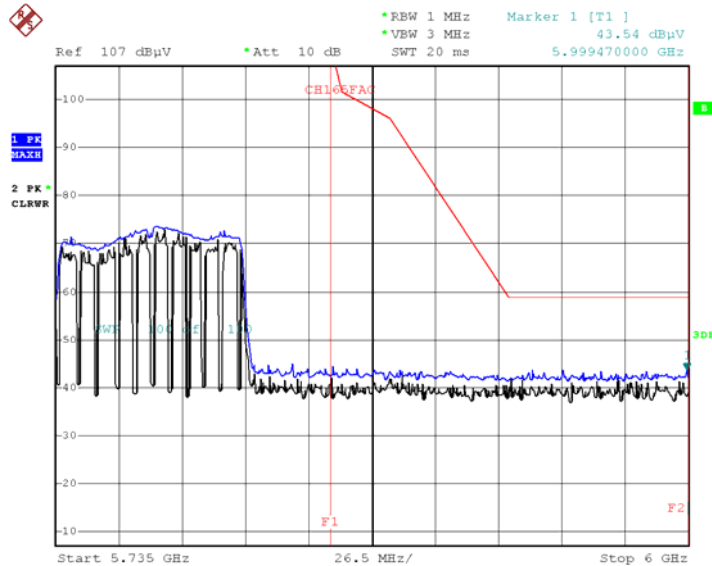
Date: 31.MAR.2020 14:30:00

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



Date: 31.MAR.2020 14:30:50

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



Date: 31.MAR.2020 14:32:07

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							

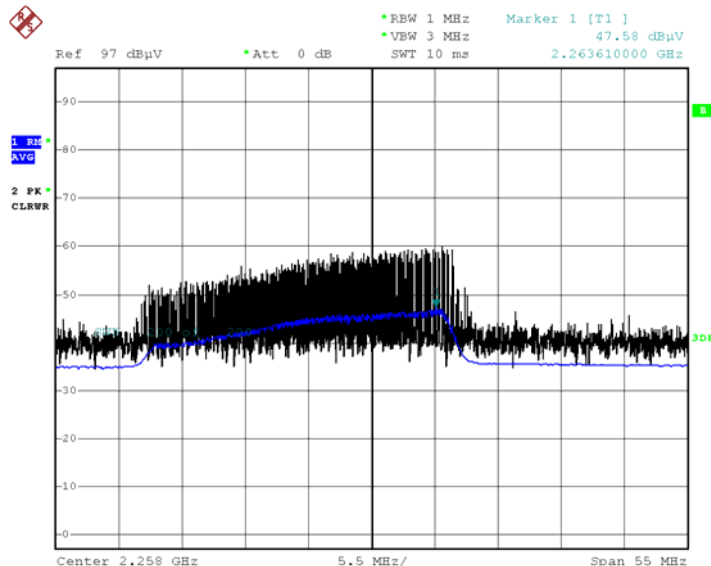
Note:

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	A.F+C.L-A.G+D.F	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	(H/V)	dBuV/m	dBuV/m	dB
1198.0	46.12	-14.14	V	31.98	54.00	22.02
1704.0	45.55	-11.84	H	33.71	54.00	20.29
2263.0	47.58	-7.28	V	40.30	54.00	13.70

[Rx Worst case test plot]



Date: 18.MAR.2020 09:14:23

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	09/10/2019	Annual	MY45101406
Agilent	N1921A / Power Sensor	09/06/2019	Annual	MY55220026
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
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-2004-FI002-P