

10.7.4 Power Spectral Density

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	-2.221	0.300	-1.921	11.00
802.11n(HT20)			-2.244	0.316	-1.928	11.00
802.11ac(VHT20)			-2.288	0.315	-1.973	11.00
802.11a	5720 (UNII 3 Band)	144	-7.329	0.300	-7.029	30.00
802.11n(HT20)			-7.382	0.316	-7.066	30.00
802.11ac(VHT20)			-7.604	0.315	-7.289	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	-7.010	2.465	-4.545	11.00
802.11ac(VHT40)			-7.995	2.817	-5.178	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-13.183	2.465	-10.718	30.00
802.11ac(VHT40)			-13.219	2.817	-10.402	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-10.049	2.344	-7.705	11.00
	5690 (UNII 3 Band)	138	-16.022	2.344	-13.678	30.00

Test Plots





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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	47.56	4.71	V	52.27	68.20	15.93	PK
15540	45.69	5.57	V	51.26	73.98	22.72	PK
15540	31.59	5.57	V	37.16	53.98	16.82	AV
10360	46.28	4.71	H	50.99	68.20	17.21	PK
15540	45.37	5.57	H	50.94	73.98	23.04	PK
15540	31.55	5.57	H	37.12	53.98	16.86	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	47.22	4.43	V	51.65	68.20	16.55	PK
15600	45.60	4.77	V	50.37	73.98	23.61	PK
15600	31.79	4.77	V	36.56	53.98	17.42	AV
10400	46.63	4.43	H	51.06	68.20	17.14	PK
15600	45.20	4.77	H	49.97	73.98	24.01	PK
15600	31.72	4.77	H	36.49	53.98	17.49	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	46.44	4.84	V	51.28	68.20	16.92	PK
15720	45.72	3.99	V	49.71	73.98	24.27	PK
15720	31.65	3.99	V	35.64	53.98	18.34	AV
10480	46.35	4.84	H	51.19	68.20	17.01	PK
15720	45.26	3.99	H	49.25	73.98	24.73	PK
15720	31.59	3.99	H	35.58	53.98	18.40	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	47.54	4.71	V	52.25	68.20	15.95	PK
15540	45.06	5.57	V	50.63	73.98	23.35	PK
15540	31.41	5.57	V	36.98	53.98	17.00	AV
10360	47.01	4.71	H	51.72	68.20	16.48	PK
15540	44.98	5.57	H	50.55	73.98	23.43	PK
15540	31.25	5.57	H	36.82	53.98	17.16	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	46.67	4.43	V	51.10	68.20	17.10	PK
15600	45.73	4.77	V	50.50	73.98	23.48	PK
15600	31.75	4.77	V	36.52	53.98	17.46	AV
10400	46.62	4.43	H	51.05	68.20	17.15	PK
15600	45.63	4.77	H	50.40	73.98	23.58	PK
15600	31.66	4.77	H	36.43	53.98	17.55	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	45.96	4.84	V	50.80	68.20	17.40	PK
15720	45.23	3.99	V	49.22	73.98	24.76	PK
15720	31.60	3.99	V	35.59	53.98	18.39	AV
10480	45.87	4.84	H	50.71	68.20	17.49	PK
15720	45.22	3.99	H	49.21	73.98	24.77	PK
15720	31.59	3.99	H	35.58	53.98	18.40	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	46.73	4.71	V	51.44	68.20	16.76	PK
15540	44.91	5.57	V	50.48	73.98	23.50	PK
15540	31.37	5.57	V	36.94	53.98	17.04	AV
10360	46.56	4.71	H	51.27	68.20	16.93	PK
15540	44.85	5.57	H	50.42	73.98	23.56	PK
15540	31.32	5.57	H	36.89	53.98	17.09	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	47.07	4.43	V	51.50	68.20	16.70	PK
15600	45.56	4.77	V	50.33	73.98	23.65	PK
15600	31.76	4.77	V	36.53	53.98	17.45	AV
10400	46.58	4.43	H	51.01	68.20	17.19	PK
15600	45.54	4.77	H	50.31	73.98	23.67	PK
15600	31.62	4.77	H	36.39	53.98	17.59	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	46.15	4.84	V	50.99	68.20	17.21	PK
15720	45.67	3.99	V	49.66	73.98	24.32	PK
15720	31.64	3.99	V	35.63	53.98	18.35	AV
10480	46.13	4.84	H	50.97	68.20	17.23	PK
15720	45.53	3.99	H	49.52	73.98	24.46	PK
15720	31.59	3.99	H	35.58	53.98	18.40	AV

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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10380	47.21	4.71	V	51.92	68.20	16.28	PK
15570	46.18	4.94	V	51.12	73.98	22.86	PK
15570	32.44	4.94	V	37.38	53.98	16.60	AV
10380	46.85	4.71	H	51.56	68.20	16.64	PK
15570	46.11	4.94	H	51.05	73.98	22.93	PK
15570	32.12	4.94	H	37.06	53.98	16.92	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10460	45.96	4.89	V	50.85	68.20	17.35	PK
15690	45.13	4.13	V	49.26	73.98	24.72	PK
15690	32.23	4.13	V	36.36	53.98	17.62	AV
10460	45.37	4.89	H	50.26	68.20	17.94	PK
15690	45.11	4.13	H	49.24	73.98	24.74	PK
15690	32.21	4.13	H	36.34	53.98	17.64	AV

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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10380	46.75	4.71	V	51.46	68.20	16.74	PK
15570	45.75	4.94	V	50.69	73.98	23.29	PK
15570	32.55	4.94	V	37.49	53.98	16.49	AV
10380	46.52	4.71	H	51.23	68.20	16.97	PK
15570	45.63	4.94	H	50.57	73.98	23.41	PK
15570	32.45	4.94	H	37.39	53.98	16.59	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10460	45.87	4.89	V	50.76	68.20	17.44	PK
15690	45.66	4.13	V	49.79	73.98	24.19	PK
15690	32.48	4.13	V	36.61	53.98	17.37	AV
10460	45.72	4.89	H	50.61	68.20	17.59	PK
15690	45.31	4.13	H	49.44	73.98	24.54	PK
15690	32.47	4.13	H	36.60	53.98	17.38	AV

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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10420	47.20	4.18	V	51.38	68.20	16.82	PK
15630	45.54	4.50	V	50.04	73.98	23.94	PK
15630	34.24	4.50	V	38.74	53.98	15.24	AV
10420	47.05	4.18	H	51.23	68.20	16.97	PK
15630	45.43	4.50	H	49.93	73.98	24.05	PK
15630	34.22	4.50	H	38.72	53.98	15.26	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	47.06	4.58	V	51.64	68.20	16.56	PK
15780	45.17	4.55	V	49.72	73.98	24.26	PK
15780	31.39	4.55	V	35.94	53.98	18.04	AV
10520	47.02	4.58	H	51.60	68.20	16.60	PK
15780	44.98	4.55	H	49.53	73.98	24.45	PK
15780	31.24	4.55	H	35.79	53.98	18.19	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	47.69	4.79	V	52.48	73.98	21.50	PK
10600	36.42	4.79	V	41.21	53.98	12.77	AV
15900	44.86	5.29	V	50.15	73.98	23.83	PK
15900	31.19	5.29	V	36.48	53.98	17.50	AV
10600	46.27	4.79	H	51.06	73.98	22.92	PK
10600	35.21	4.79	H	40.00	53.98	13.98	AV
15900	44.67	5.29	H	49.96	73.98	24.02	PK
15900	31.11	5.29	H	36.40	53.98	17.58	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	47.15	4.82	V	51.97	73.98	22.01	PK
10640	35.53	4.82	V	40.35	53.98	13.63	AV
15960	45.44	4.71	V	50.15	73.98	23.83	PK
15960	31.47	4.71	V	36.18	53.98	17.80	AV
10640	46.55	4.82	H	51.37	73.98	22.61	PK
10640	34.68	4.82	H	39.50	53.98	14.48	AV
15960	45.27	4.71	H	49.98	73.98	24.00	PK
15960	31.44	4.71	H	36.15	53.98	17.83	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	47.21	4.58	V	51.79	68.20	16.41	PK
15780	45.36	4.55	V	49.91	73.98	24.07	PK
15780	31.49	4.55	V	36.04	53.98	17.94	AV
10520	47.05	4.58	H	51.63	68.20	16.57	PK
15780	45.29	4.55	H	49.84	73.98	24.14	PK
15780	31.33	4.55	H	35.88	53.98	18.10	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	47.82	4.79	V	52.61	73.98	21.37	PK
10600	36.47	4.79	V	41.26	53.98	12.72	AV
15900	45.14	5.29	V	50.43	73.98	23.55	PK
15900	31.27	5.29	V	36.56	53.98	17.42	AV
10600	46.59	4.79	H	51.38	73.98	22.60	PK
10600	35.24	4.79	H	40.03	53.98	13.95	AV
15900	45.10	5.29	H	50.39	73.98	23.59	PK
15900	31.25	5.29	H	36.54	53.98	17.44	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	47.93	4.82	V	52.75	73.98	21.23	PK
10640	35.47	4.82	V	40.29	53.98	13.69	AV
15960	45.59	4.71	V	50.30	73.98	23.68	PK
15960	31.56	4.71	V	36.27	53.98	17.71	AV
10640	46.85	4.82	H	51.67	73.98	22.31	PK
10640	35.34	4.82	H	40.16	53.98	13.82	AV
15960	45.52	4.71	H	50.23	73.98	23.75	PK
15960	31.28	4.71	H	35.99	53.98	17.99	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	47.16	4.58	V	51.74	68.20	16.46	PK
15780	45.60	4.55	V	50.15	73.98	23.83	PK
15780	31.36	4.55	V	35.91	53.98	18.07	AV
10520	46.63	4.58	H	51.21	68.20	16.99	PK
15780	45.58	4.55	H	50.13	73.98	23.85	PK
15780	31.33	4.55	H	35.88	53.98	18.10	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	47.44	4.79	V	52.23	73.98	21.75	PK
10600	36.39	4.79	V	41.18	53.98	12.80	AV
15900	44.89	5.29	V	50.18	73.98	23.80	PK
15900	31.08	5.29	V	36.37	53.98	17.61	AV
10600	46.22	4.79	H	51.01	73.98	22.97	PK
10600	35.63	4.79	H	40.42	53.98	13.56	AV
15900	43.96	5.29	H	49.25	73.98	24.73	PK
15900	31.08	5.29	H	36.37	53.98	17.61	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	47.42	4.82	V	52.24	73.98	21.74	PK
10640	35.53	4.82	V	40.35	53.98	13.63	AV
15960	45.47	4.71	V	50.18	73.98	23.80	PK
15960	31.48	4.71	V	36.19	53.98	17.79	AV
10640	46.39	4.82	H	51.21	73.98	22.77	PK
10640	34.94	4.82	H	39.76	53.98	14.22	AV
15960	45.29	4.71	H	50.00	73.98	23.98	PK
15960	31.30	4.71	H	36.01	53.98	17.97	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10540	47.47	4.68	V	52.15	68.20	16.05	PK
15810	44.64	5.20	V	49.84	73.98	24.14	PK
15810	31.70	5.20	V	36.90	53.98	17.08	AV
10540	46.98	4.68	H	51.66	68.20	16.54	PK
15810	44.24	5.20	H	49.44	73.98	24.54	PK
15810	31.51	5.20	H	36.71	53.98	17.27	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10620	46.16	5.37	V	51.53	73.98	22.45	PK
10620	35.45	5.37	V	40.82	53.98	13.16	AV
15930	45.10	4.96	V	50.06	73.98	23.92	PK
15930	31.48	4.96	V	36.44	53.98	17.54	AV
10620	45.99	5.37	H	51.36	73.98	22.62	PK
10620	34.75	5.37	H	40.12	53.98	13.86	AV
15930	45.07	4.96	H	50.03	73.98	23.95	PK
15930	31.44	4.96	H	36.40	53.98	17.58	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10540	47.41	4.68	V	52.09	68.20	16.11	PK
15810	45.08	5.20	V	50.28	73.98	23.70	PK
15810	31.75	5.20	V	36.95	53.98	17.03	AV
10540	46.36	4.68	H	51.04	68.20	17.16	PK
15810	44.98	5.20	H	50.18	73.98	23.80	PK
15810	31.72	5.20	H	36.92	53.98	17.06	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10620	46.53	5.37	V	51.90	73.98	22.08	PK
10620	35.72	5.37	V	41.09	53.98	12.89	AV
15930	44.40	4.96	V	49.36	73.98	24.62	PK
15930	31.65	4.96	V	36.61	53.98	17.37	AV
10620	46.32	5.37	H	51.69	73.98	22.29	PK
10620	34.40	5.37	H	39.77	53.98	14.21	AV
15930	44.19	4.96	H	49.15	73.98	24.83	PK
15930	31.62	4.96	H	36.58	53.98	17.40	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10580	47.37	4.56	V	51.93	68.20	16.27	PK
15870	44.19	5.89	V	50.08	73.98	23.90	PK
15870	32.81	5.89	V	38.70	53.98	15.28	AV
10580	47.21	4.56	H	51.77	68.20	16.43	PK
15870	44.12	5.89	H	50.01	73.98	23.97	PK
15870	32.49	5.89	H	38.38	53.98	15.60	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	46.25	4.61	V	50.86	73.98	23.12	PK
11000	33.60	4.61	V	38.21	53.98	15.77	AV
16500	44.52	7.08	V	51.60	68.20	16.60	PK
11000	46.30	4.61	H	50.91	73.98	23.07	PK
11000	33.60	4.61	H	38.21	53.98	15.77	AV
16500	43.87	7.08	H	50.95	68.20	17.25	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	47.12	4.37	V	51.49	73.98	22.49	PK
11160	35.27	4.37	V	39.64	53.98	14.34	AV
16740	43.95	8.84	V	52.79	68.20	15.41	PK
11160	47.13	4.37	H	51.50	73.98	22.48	PK
11160	35.38	4.37	H	39.75	53.98	14.23	AV
16740	44.00	8.84	H	52.84	68.20	15.36	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	46.96	4.60	V	51.56	73.98	22.42	PK
11440	34.21	4.60	V	38.81	53.98	15.17	AV
17160	45.22	9.39	V	54.61	68.20	13.59	PK
11440	47.45	4.60	H	52.05	73.98	21.93	PK
11440	34.80	4.60	H	39.40	53.98	14.58	AV
17160	45.25	9.39	H	54.64	68.20	13.56	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	45.73	4.61	V	50.34	73.98	23.64	PK
11000	33.59	4.61	V	38.20	53.98	15.78	AV
16500	43.68	7.08	V	50.76	68.20	17.44	PK
11000	46.45	4.61	H	51.06	73.98	22.92	PK
11000	33.84	4.61	H	38.45	53.98	15.53	AV
16500	44.22	7.08	H	51.30	68.20	16.90	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	46.82	4.37	V	51.19	73.98	22.79	PK
11160	35.12	4.37	V	39.49	53.98	14.49	AV
16740	44.01	8.84	V	52.85	68.20	15.35	PK
11160	46.99	4.37	H	51.36	73.98	22.62	PK
11160	35.14	4.37	H	39.51	53.98	14.47	AV
16740	44.04	8.84	H	52.88	68.20	15.32	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	46.69	4.60	V	51.29	73.98	22.69	PK
11440	34.78	4.60	V	39.38	53.98	14.60	AV
17160	44.58	9.39	V	53.97	68.20	14.23	PK
11440	47.32	4.60	H	51.92	73.98	22.06	PK
11440	35.28	4.60	H	39.88	53.98	14.10	AV
17160	44.72	9.39	H	54.11	68.20	14.09	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	46.03	4.61	V	50.64	73.98	23.34	PK
11000	33.79	4.61	V	38.40	53.98	15.58	AV
16500	43.89	7.08	V	50.97	68.20	17.23	PK
11000	46.08	4.61	H	50.69	73.98	23.29	PK
11000	33.82	4.61	H	38.43	53.98	15.55	AV
16500	43.92	7.08	H	51.00	68.20	17.20	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	47.17	4.37	V	51.54	73.98	22.44	PK
11160	35.29	4.37	V	39.66	53.98	14.32	AV
16740	43.95	8.84	V	52.79	68.20	15.41	PK
11160	47.22	4.37	H	51.59	73.98	22.39	PK
11160	35.42	4.37	H	39.79	53.98	14.19	AV
16740	44.18	8.84	H	53.02	68.20	15.18	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	46.20	4.60	V	50.80	73.98	23.18	PK
11440	35.29	4.60	V	39.89	53.98	14.09	AV
17160	44.17	9.39	V	53.56	68.20	14.64	PK
11440	46.87	4.60	H	51.47	73.98	22.51	PK
11440	35.58	4.60	H	40.18	53.98	13.80	AV
17160	44.67	9.39	H	54.06	68.20	14.14	PK

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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11020	46.45	4.84	V	51.29	73.98	22.69	PK
11020	35.02	4.84	V	39.86	53.98	14.12	AV
16530	44.67	7.31	V	51.98	68.20	16.22	PK
11020	46.24	4.84	H	51.08	73.98	22.90	PK
11020	34.76	4.84	H	39.60	53.98	14.38	AV
16530	44.58	7.31	H	51.89	68.20	16.31	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	46.20	4.80	V	51.00	73.98	22.98	PK
11100	34.52	4.80	V	39.32	53.98	14.66	AV
16650	45.15	8.45	V	53.60	68.20	14.60	PK
11100	45.29	4.80	H	50.09	73.98	23.89	PK
11100	34.04	4.80	H	38.84	53.98	15.14	AV
16650	44.87	8.45	H	53.32	68.20	14.88	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11420	47.47	4.88	V	52.35	73.98	21.63	PK
11420	35.81	4.88	V	40.69	53.98	13.29	AV
17130	44.88	9.05	V	53.93	68.20	14.27	PK
11420	46.64	4.88	H	51.52	73.98	22.46	PK
11420	35.20	4.88	H	40.08	53.98	13.90	AV
17130	44.78	9.05	H	53.83	68.20	14.37	PK

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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11020	47.53	4.84	V	52.37	73.98	21.61	PK
11020	35.35	4.84	V	40.19	53.98	13.79	AV
16530	45.29	7.31	V	52.60	68.20	15.60	PK
11020	47.18	4.84	H	52.02	73.98	21.96	PK
11020	34.86	4.84	H	39.70	53.98	14.28	AV
16530	45.19	7.31	H	52.50	68.20	15.70	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	47.17	4.80	V	51.97	73.98	22.01	PK
11100	34.66	4.80	V	39.46	53.98	14.52	AV
16650	45.15	8.45	V	53.60	68.20	14.60	PK
11100	47.09	4.80	H	51.89	73.98	22.09	PK
11100	34.18	4.80	H	38.98	53.98	15.00	AV
16650	44.96	8.45	H	53.41	68.20	14.79	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11420	47.00	4.88	V	51.88	73.98	22.10	PK
11420	36.14	4.88	V	41.02	53.98	12.96	AV
17130	44.88	9.05	V	53.93	68.20	14.27	PK
11420	46.87	4.88	H	51.75	73.98	22.23	PK
11420	35.57	4.88	H	40.45	53.98	13.53	AV
17130	44.69	9.05	H	53.74	68.20	14.46	PK

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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11060	45.45	5.10	V	50.55	73.98	23.43	PK
11060	35.38	5.10	V	40.48	53.98	13.50	AV
16590	45.13	7.84	V	52.97	68.20	15.23	PK
11060	45.51	5.10	H	50.61	73.98	23.37	PK
11060	35.37	5.10	H	40.47	53.98	13.51	AV
16590	45.29	7.84	H	53.13	68.20	15.07	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11380	46.32	4.70	V	51.02	73.98	22.96	PK
11380	36.94	4.70	V	41.64	53.98	12.34	AV
17070	44.28	9.53	V	53.81	68.20	14.39	PK
11380	46.73	4.70	H	51.43	73.98	22.55	PK
11380	37.21	4.70	H	41.91	53.98	12.07	AV
17070	44.32	9.53	H	53.85	68.20	14.35	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	46.84	4.40	V	51.24	73.98	22.74	PK
11490	34.56	4.40	V	38.96	53.98	15.02	AV
17235	44.29	10.06	V	54.35	68.20	13.85	PK
11490	47.34	4.40	H	51.74	73.98	22.24	PK
11490	35.93	4.40	H	40.33	53.98	13.65	AV
17235	44.59	10.06	H	54.65	68.20	13.55	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	46.08	5.13	V	51.21	73.98	22.77	PK
11570	33.90	5.13	V	39.03	53.98	14.95	AV
17355	45.23	10.65	V	55.88	68.20	12.32	PK
11570	45.93	5.13	H	51.06	73.98	22.92	PK
11570	33.16	5.13	H	38.29	53.98	15.69	AV
17355	45.21	10.65	H	55.86	68.20	12.34	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	46.77	4.40	V	51.17	73.98	22.81	PK
11650	34.67	4.40	V	39.07	53.98	14.91	AV
17475	45.75	10.73	V	56.48	68.20	11.72	PK
11650	46.09	4.40	H	50.49	73.98	23.49	PK
11650	33.82	4.40	H	38.22	53.98	15.76	AV
17475	45.43	10.73	H	56.16	68.20	12.04	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	46.58	4.40	V	50.98	73.98	23.00	PK
11490	35.87	4.40	V	40.27	53.98	13.71	AV
17235	44.26	10.06	V	54.32	68.20	13.88	PK
11490	47.42	4.40	H	51.82	73.98	22.16	PK
11490	36.23	4.40	H	40.63	53.98	13.35	AV
17235	44.42	10.06	H	54.48	68.20	13.72	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	45.78	5.13	V	50.91	73.98	23.07	PK
11570	33.91	5.13	V	39.04	53.98	14.94	AV
17355	45.11	10.65	V	55.76	68.20	12.44	PK
11570	44.23	5.13	H	49.36	73.98	24.62	PK
11570	33.24	5.13	H	38.37	53.98	15.61	AV
17355	44.87	10.65	H	55.52	68.20	12.68	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	46.25	4.40	V	50.65	73.98	23.33	PK
11650	34.78	4.40	V	39.18	53.98	14.80	AV
17475	45.86	10.73	V	56.59	68.20	11.61	PK
11650	46.21	4.40	H	50.61	73.98	23.37	PK
11650	33.74	4.40	H	38.14	53.98	15.84	AV
17475	45.56	10.73	H	56.29	68.20	11.91	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	47.98	4.40	V	52.38	73.98	21.60	PK
11490	35.63	4.40	V	40.03	53.98	13.95	AV
17235	44.57	10.06	V	54.63	68.20	13.57	PK
11490	48.23	4.40	H	52.63	73.98	21.35	PK
11490	36.31	4.40	H	40.71	53.98	13.27	AV
17235	44.70	10.06	H	54.76	68.20	13.44	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	45.70	5.13	V	50.83	73.98	23.15	PK
11570	33.75	5.13	V	38.88	53.98	15.10	AV
17355	44.86	10.65	V	55.51	68.20	12.69	PK
11570	45.26	5.13	H	50.39	73.98	23.59	PK
11570	33.47	5.13	H	38.60	53.98	15.38	AV
17355	44.58	10.65	H	55.23	68.20	12.97	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	46.09	4.40	V	50.49	73.98	23.49	PK
11650	34.27	4.40	V	38.67	53.98	15.31	AV
17475	46.40	10.73	V	57.13	68.20	11.07	PK
11650	45.86	4.40	H	50.26	73.98	23.72	PK
11650	33.86	4.40	H	38.26	53.98	15.72	AV
17475	46.27	10.73	H	57.00	68.20	11.20	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	45.98	4.41	V	50.39	73.98	23.59	PK
11510	35.45	4.41	V	39.86	53.98	14.12	AV
17265	44.21	10.08	V	54.29	68.20	13.91	PK
11510	46.64	4.41	H	51.05	73.98	22.93	PK
11510	36.30	4.41	H	40.71	53.98	13.27	AV
17265	44.23	10.08	H	54.31	68.20	13.89	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	45.79	4.75	V	50.54	73.98	23.44	PK
11590	34.89	4.75	V	39.64	53.98	14.34	AV
17385	45.22	10.52	V	55.74	68.20	12.46	PK
11590	46.38	4.75	H	51.13	73.98	22.85	PK
11590	35.17	4.75	H	39.92	53.98	14.06	AV
17385	45.29	10.52	H	55.81	68.20	12.39	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	47.12	4.41	V	51.53	73.98	22.45	PK
11510	36.33	4.41	V	40.74	53.98	13.24	AV
17265	45.19	10.08	V	55.27	68.20	12.93	PK
11510	47.29	4.41	H	51.70	73.98	22.28	PK
11510	36.45	4.41	H	40.86	53.98	13.12	AV
17265	45.23	10.08	H	55.31	68.20	12.89	PK

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

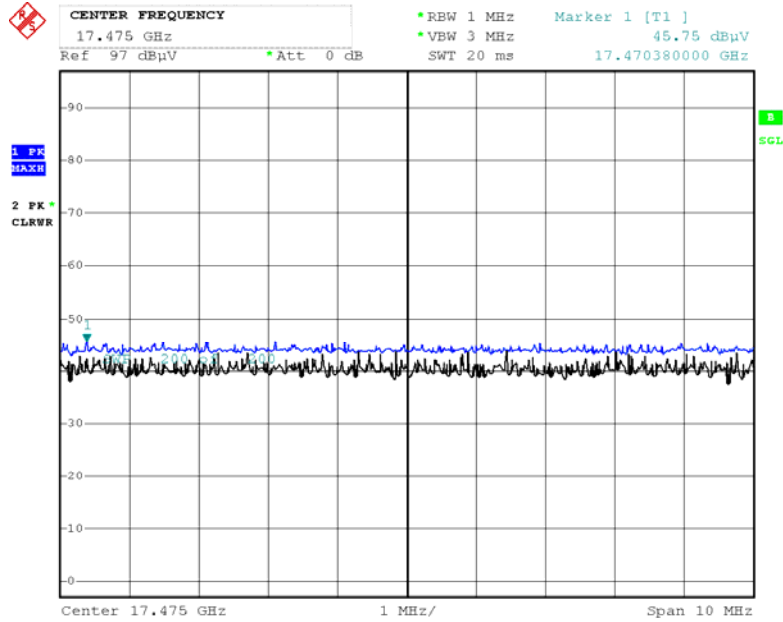
Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	45.99	4.75	V	50.74	73.98	23.24	PK
11590	35.12	4.75	V	39.87	53.98	14.11	AV
17385	44.34	10.52	V	54.86	68.20	13.34	PK
11590	46.11	4.75	H	50.86	73.98	23.12	PK
11590	35.13	4.75	H	39.88	53.98	14.10	AV
17385	44.88	10.52	H	55.40	68.20	12.80	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11550	48.18	4.89	V	53.07	73.98	20.91	PK
11550	38.51	4.89	V	43.40	53.98	10.58	AV
17325	46.13	10.86	V	56.99	68.20	11.21	PK
11550	48.00	4.89	H	52.89	73.98	21.09	PK
11550	37.68	4.89	H	42.57	53.98	11.41	AV
17325	46.06	10.86	H	56.92	68.20	11.28	PK

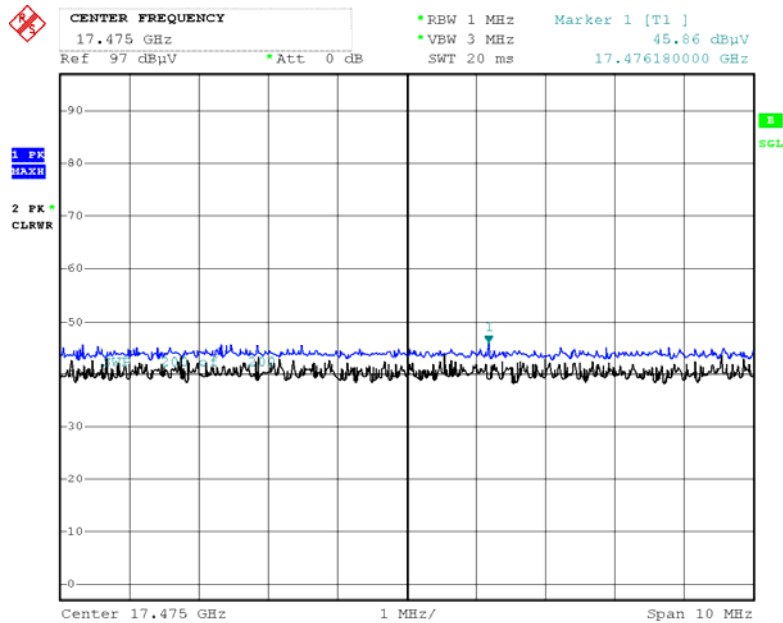
Test Plots

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



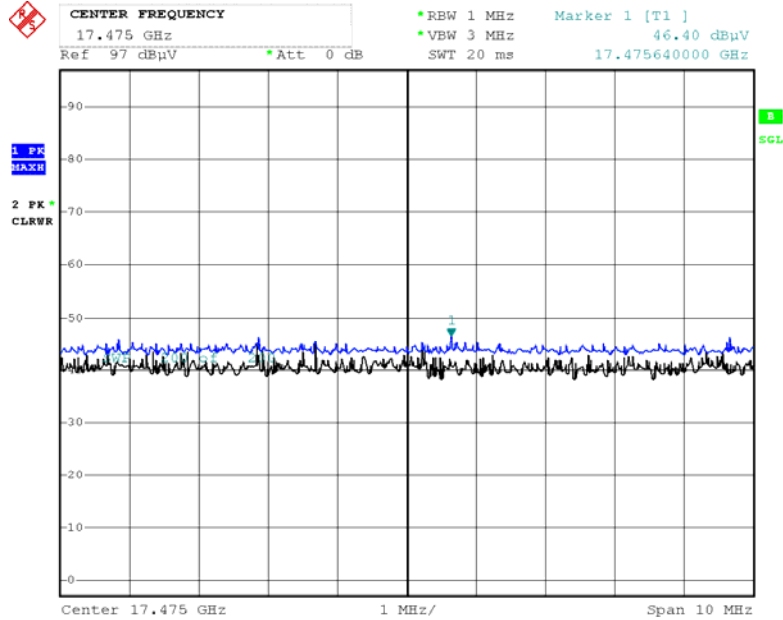
Date: 26.FEB.2020 05:48:19

Peak Reading (802.11n, Ch.165 3rd Harmonic, V)



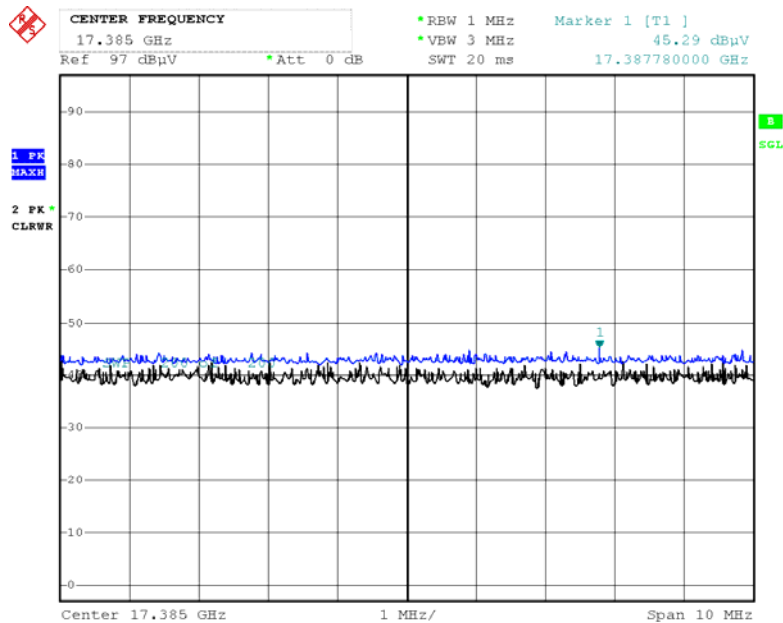
Date: 26.FEB.2020 06:29:31

Peak Reading (802.11ac, Ch.165 3rd Harmonic, V)



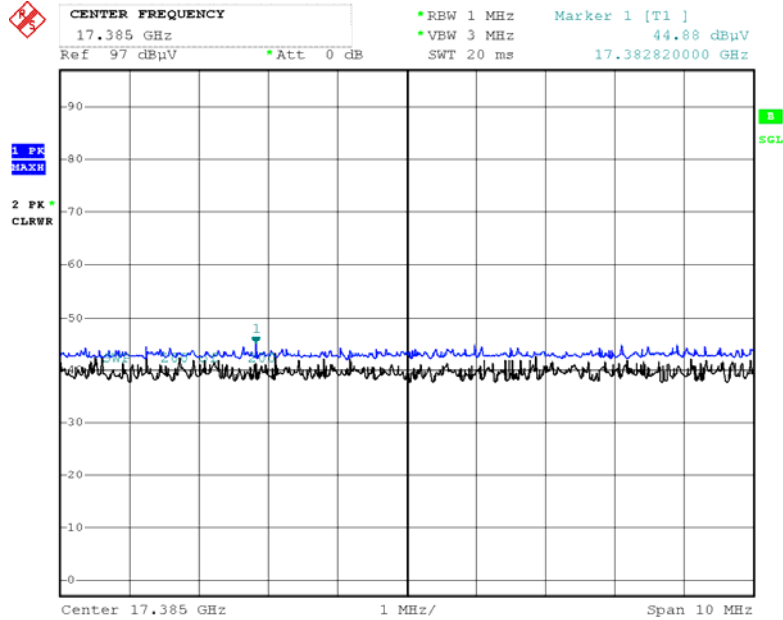
Date: 26.FEB.2020 06:51:17

Peak Reading (802.11n40, Ch.159 3rd Harmonic, H)



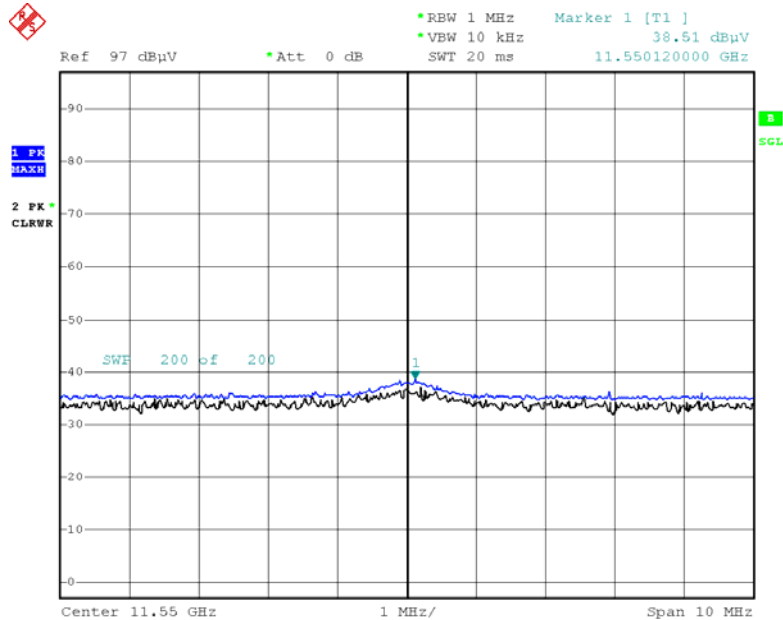
Date: 26.FEB.2020 08:46:35

Peak Reading (802.11ac40, Ch.159 3rd Harmonic, H)



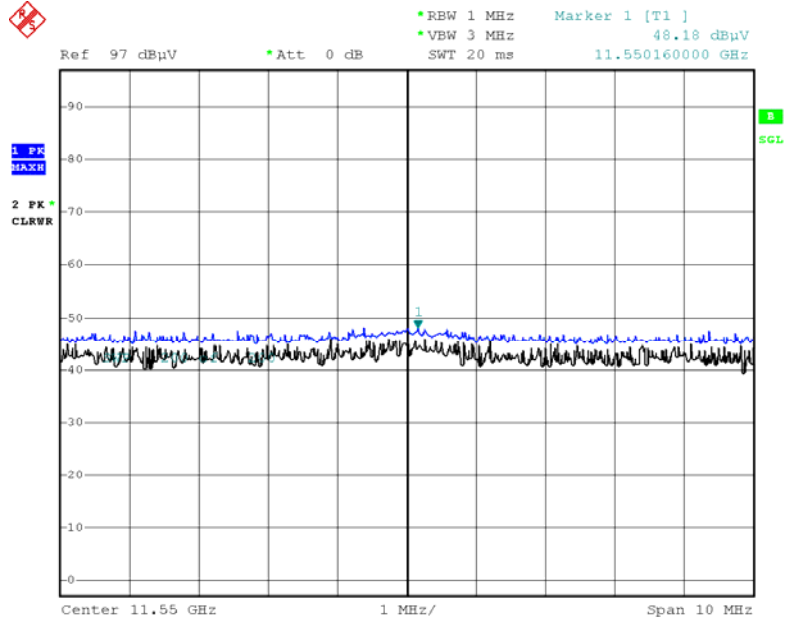
Date: 26.FEB.2020 09:02:53

Average Reading (802.11ac80, Ch.155 2nd Harmonic, V)



Date: 28.FEB.2020 00:54:36

Peak Reading (802.11ac80, Ch.155 2nd Harmonic, V)



Date: 28.FEB.2020 00:54:48

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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	42.92	11.88	H	54.80	73.98	19.18	PK
5150	30.22	11.88	H	42.10	53.98	11.88	AV
5150	43.09	11.88	V	54.97	73.98	19.01	PK
5150	30.25	11.88	V	42.13	53.98	11.85	AV

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	42.77	11.88	H	54.65	73.98	19.33	PK
5150	30.24	11.88	H	42.12	53.98	11.86	AV
5150	42.84	11.88	V	54.72	73.98	19.26	PK
5150	30.44	11.88	V	42.32	53.98	11.66	AV

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	42.69	11.88	H	54.57	73.98	19.41	PK
5150	30.32	11.88	H	42.20	53.98	11.78	AV
5150	43.06	11.88	V	54.94	73.98	19.04	PK
5150	30.45	11.88	V	42.33	53.98	11.65	AV

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	42.25	11.88	H	54.13	73.98	19.85	PK
5150	30.01	11.88	H	41.89	53.98	12.09	AV
5150	42.52	11.88	V	54.40	73.98	19.58	PK
5150	30.02	11.88	V	41.90	53.98	12.08	AV

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	42.55	11.88	H	54.43	73.98	19.55	PK
5150	29.72	11.88	H	41.60	53.98	12.38	AV
5150	42.86	11.88	V	54.74	73.98	19.24	PK
5150	29.79	11.88	V	41.67	53.98	12.31	AV

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	43.81	11.88	H	55.69	73.98	18.29	PK
5150	32.26	11.88	H	44.14	53.98	9.84	AV
5150	44.07	11.88	V	55.95	73.98	18.03	PK
5150	32.32	11.88	V	44.20	53.98	9.78	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
5350	42.13	12.17	H	54.30	73.98	19.68	PK
5350	28.72	12.17	H	40.89	53.98	13.09	AV
5350	42.26	12.17	V	54.43	73.98	19.55	PK
5350	28.73	12.17	V	40.90	53.98	13.08	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	42.17	12.17	H	54.34	73.98	19.64	PK
5350	28.71	12.17	H	40.88	53.98	13.10	AV
5350	42.23	12.17	V	54.40	73.98	19.58	PK
5350	28.74	12.17	V	40.91	53.98	13.07	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	42.11	12.17	H	54.28	73.98	19.70	PK
5350	28.75	12.17	H	40.92	53.98	13.06	AV
5350	42.18	12.17	V	54.35	73.98	19.63	PK
5350	28.76	12.17	V	40.93	53.98	13.05	AV

Band : UNII 2A
 Operation Mode: 802.11 n_HT40
 Transfer MCS Index: 0
 Operating Frequency: 5310 MHz
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	43.37	12.17	H	55.54	73.98	18.44	PK
5350	31.21	12.17	H	43.38	53.98	10.60	AV
5350	44.02	12.17	V	56.19	73.98	17.79	PK
5350	31.39	12.17	V	43.56	53.98	10.42	AV

Band : UNII 2A
 Operation Mode: 802.11 ac_VHT40
 Transfer MCS Index: 0
 Operating Frequency: 5310 MHz
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	43.87	12.17	H	56.04	73.98	17.94	PK
5350	31.48	12.17	H	43.65	53.98	10.33	AV
5350	44.77	12.17	V	56.94	73.98	17.04	PK
5350	31.62	12.17	V	43.79	53.98	10.19	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	44.21	12.17	H	56.38	73.98	17.60	PK
5350	32.15	12.17	H	44.32	53.98	9.66	AV
5350	44.25	12.17	V	56.42	73.98	17.56	PK
5350	32.71	12.17	V	44.88	53.98	9.10	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
5460	42.33	12.57	H	54.90	73.98	19.08	PK
5460	29.23	12.57	H	41.80	53.98	12.18	AV
5470	42.65	12.75	H	55.40	68.20	12.80	PK
5460	42.36	12.57	V	54.93	73.98	19.05	PK
5460	29.26	12.57	V	41.83	53.98	12.15	AV
5470	42.77	12.75	V	55.52	68.20	12.68	PK

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	42.58	12.57	H	55.15	73.98	18.83	PK
5460	29.00	12.57	H	41.57	53.98	12.41	AV
5470	43.91	12.75	H	56.66	68.20	11.54	PK
5460	42.84	12.57	V	55.41	73.98	18.57	PK
5460	29.15	12.57	V	41.72	53.98	12.26	AV
5470	44.23	12.75	V	56.98	68.20	11.22	PK

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	42.11	12.57	H	54.68	73.98	19.30	PK
5460	29.08	12.57	H	41.65	53.98	12.33	AV
5470	42.28	12.75	H	55.03	68.20	13.17	PK
5460	42.26	12.57	V	54.83	73.98	19.15	PK
5460	29.10	12.57	V	41.67	53.98	12.31	AV
5470	42.94	12.75	V	55.69	68.20	12.51	PK

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	43.40	12.57	H	55.97	73.98	18.01	PK
5460	31.31	12.57	H	43.88	53.98	10.10	AV
5470	45.81	12.75	H	58.56	68.20	9.64	PK
5460	42.75	12.57	V	55.32	73.98	18.66	PK
5460	30.45	12.57	V	43.02	53.98	10.96	AV
5470	44.13	12.75	V	56.88	68.20	11.32	PK

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

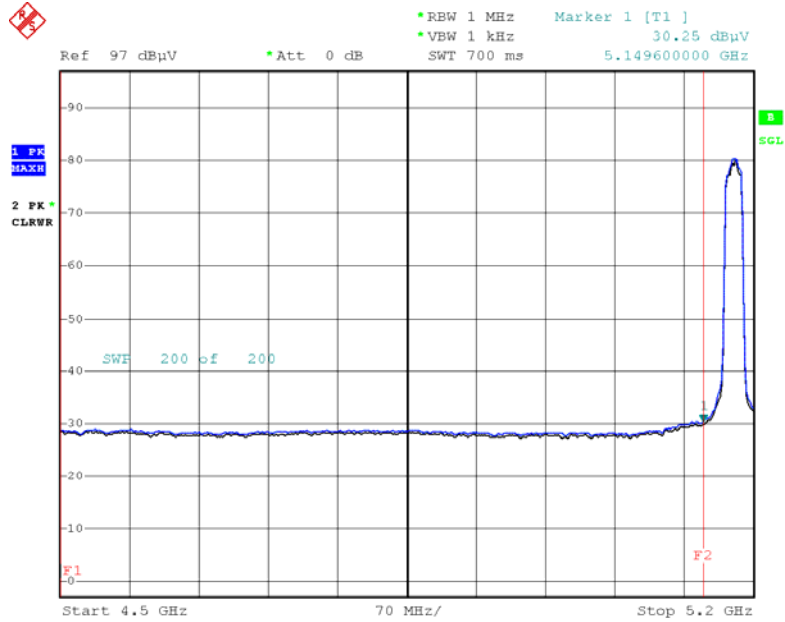
Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	43.08	12.57	H	55.65	73.98	18.33	PK
5460	30.79	12.57	H	43.36	53.98	10.62	AV
5470	46.96	12.75	H	59.71	68.20	8.49	PK
5460	42.37	12.57	V	54.94	73.98	19.04	PK
5460	30.14	12.57	V	42.71	53.98	11.27	AV
5470	44.93	12.75	V	57.68	68.20	10.52	PK

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

Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	43.97	12.57	H	56.54	73.98	17.44	PK
5460	33.57	12.57	H	46.14	53.98	7.84	AV
5470	45.71	12.75	H	58.46	68.20	9.74	PK
5460	43.70	12.57	V	56.27	73.98	17.71	PK
5460	32.99	12.57	V	45.56	53.98	8.42	AV
5470	45.75	12.75	V	58.50	68.20	9.70	PK

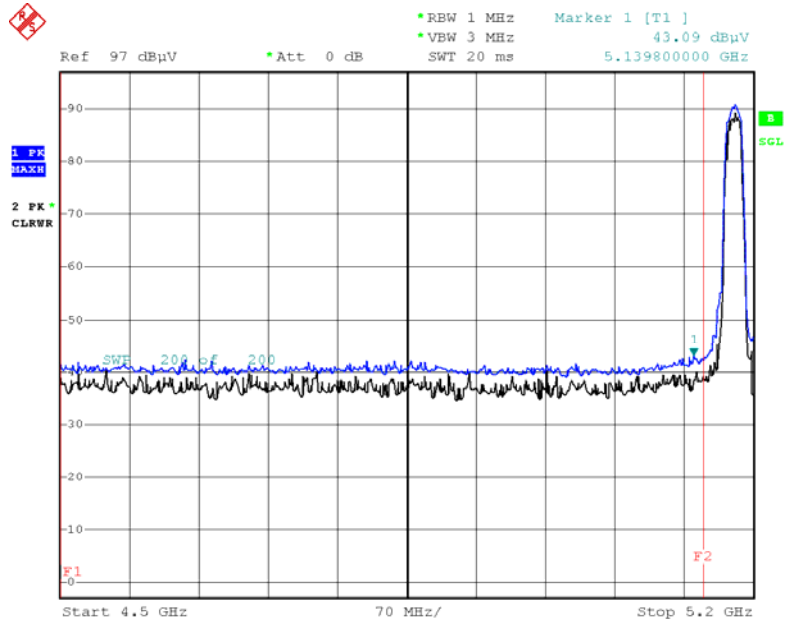
Test Plots

Average Reading (802.11a_VHT20, Ch.36, X-V)



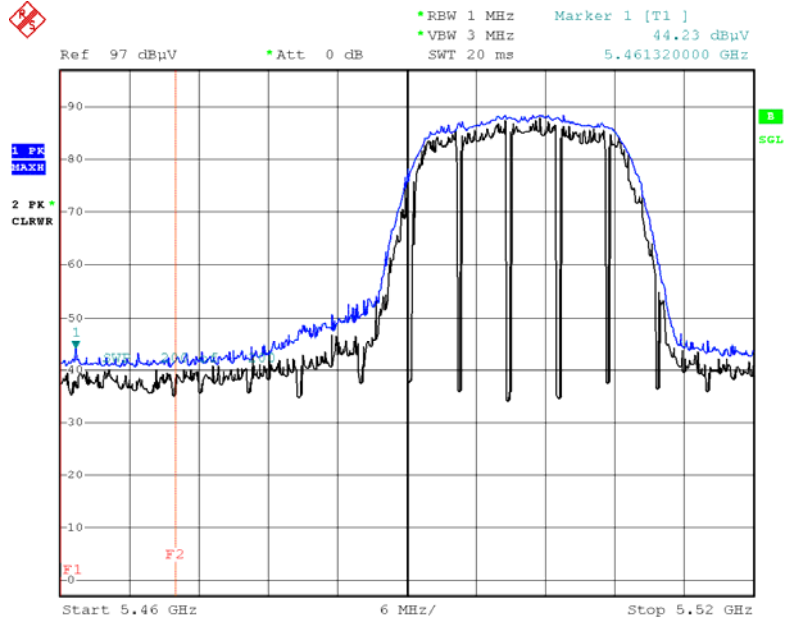
Date: 25.FEB.2020 07:11:33

Peak Reading (802.11a_VHT20 Ch.36, X-V)



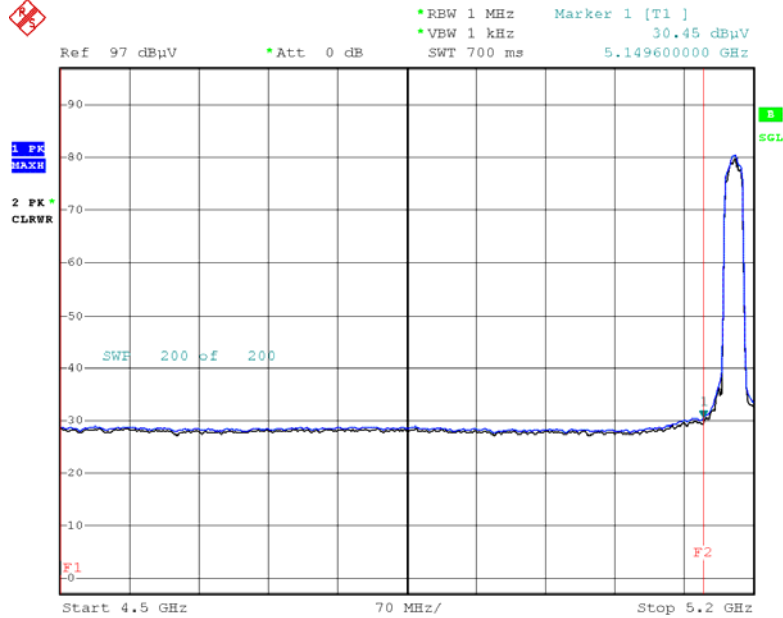
Date: 25.FEB.2020 07:12:17

Peak Reading (802.11n_VHT20 Ch.100, X-V)



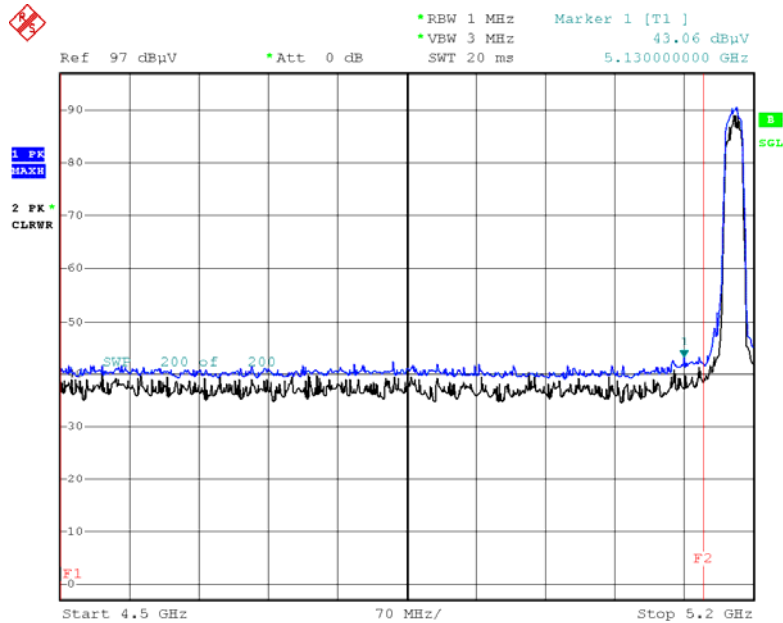
Date: 25.FEB.2020 09:07:26

Average Reading (802.11ac _VHT20, Ch.36, X-V)



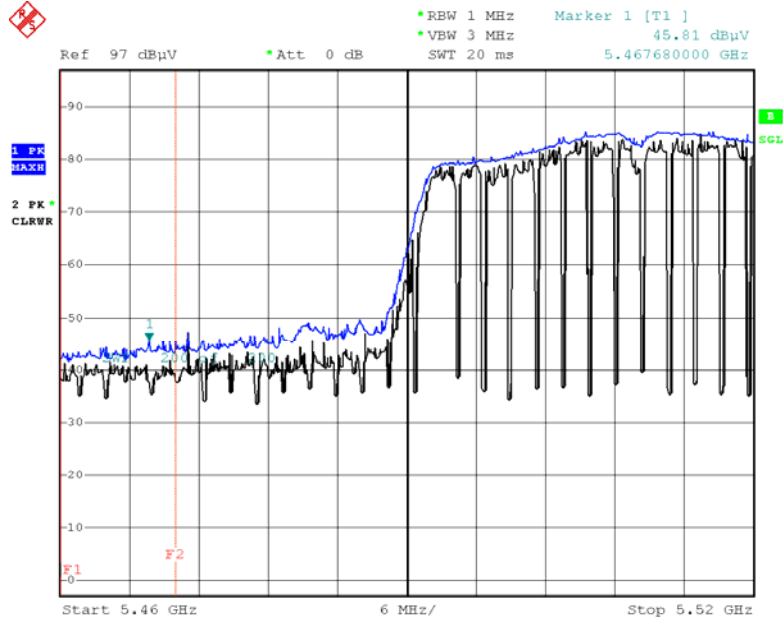
Date: 25.FEB.2020 07:23:45

Peak Reading (802.11ac _VHT20 Ch.36, X-V)



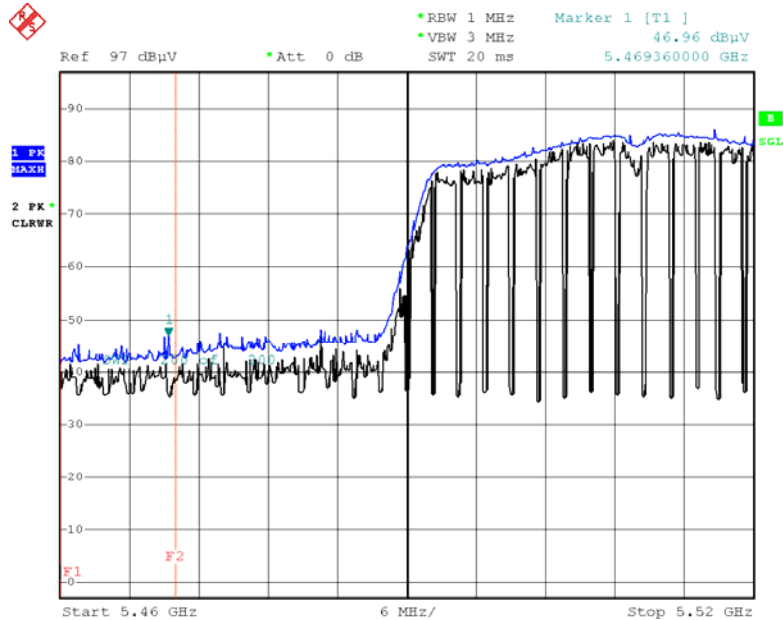
Date: 25.FEB.2020 07:24:16

Peak Reading (802.11n _VHT40 Ch.102, X-H)



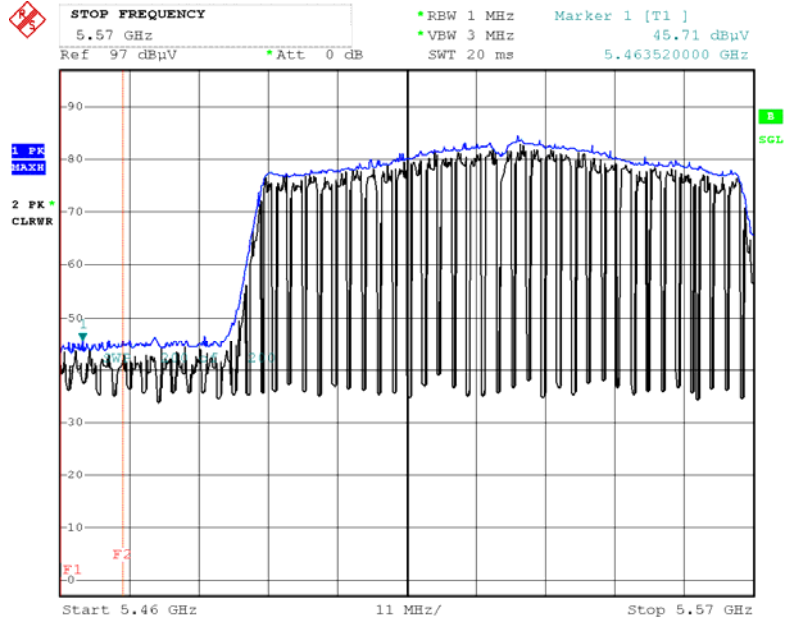
Date: 25.FEB.2020 09:33:47

Peak Reading (802.11ac _VHT40 Ch.102, X-H)



Date: 25.FEB.2020 09:38:33

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

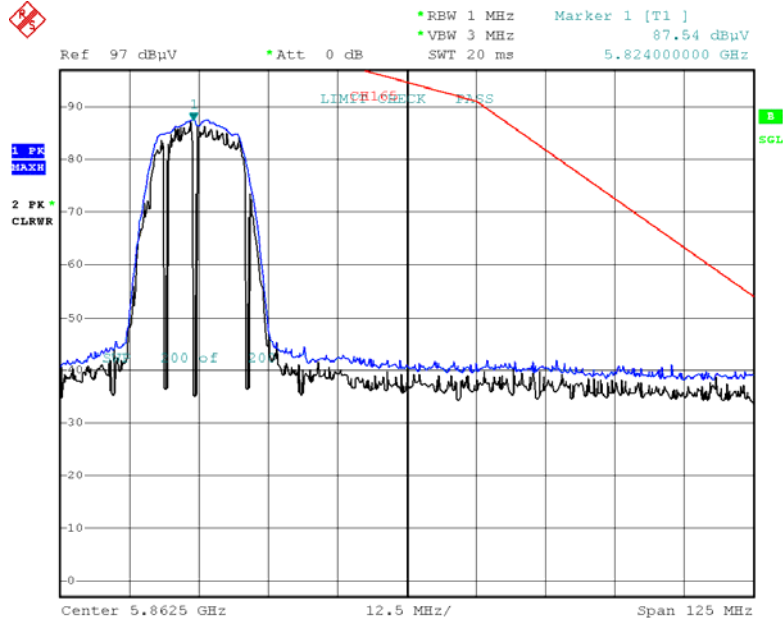


Date: 26.FEB.2020 01:18:02

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

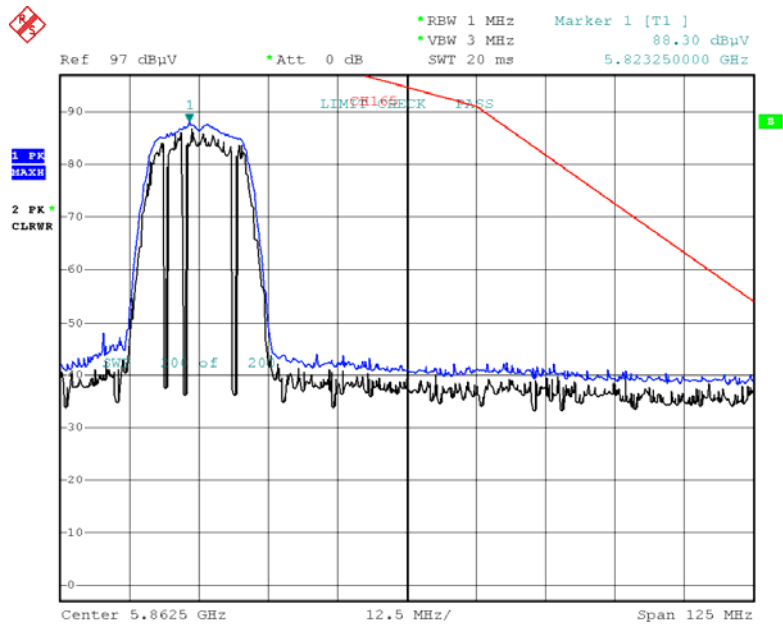
Test Plots(UNII 3)

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



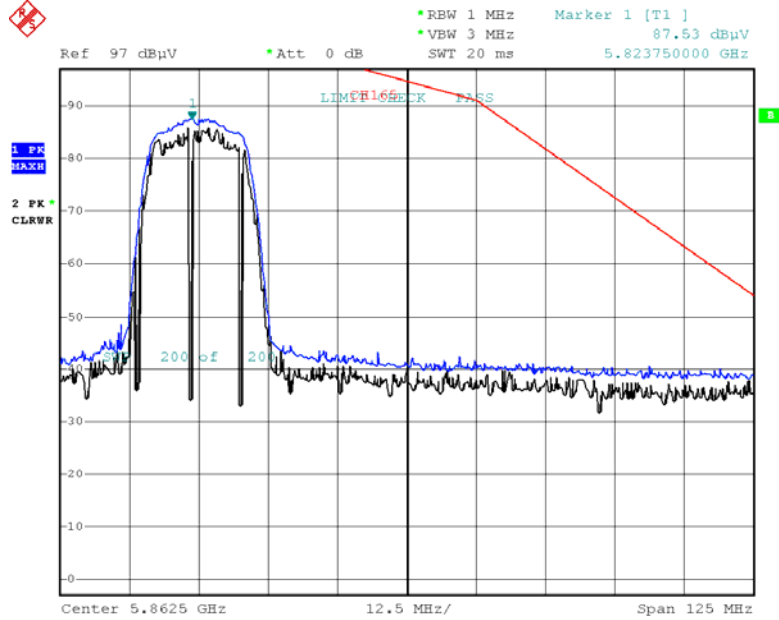
Date: 25.FEB.2020 08:46:55

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



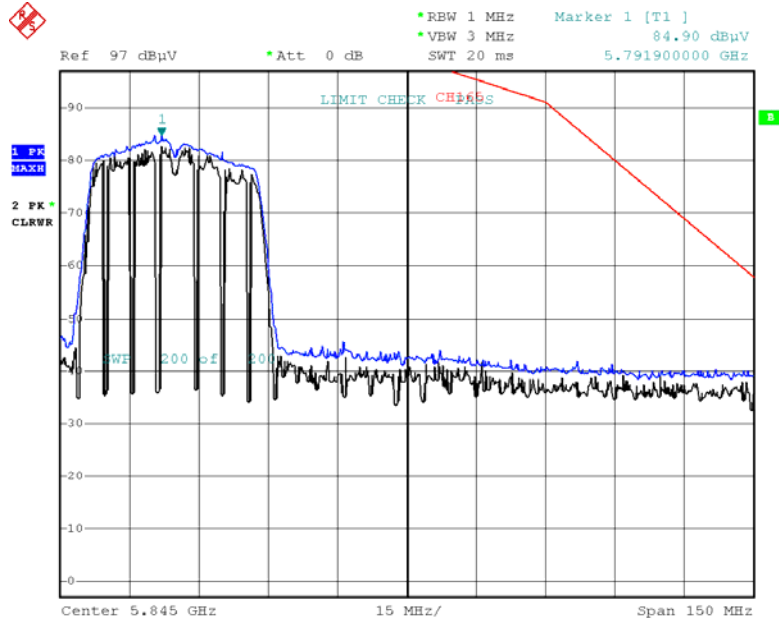
Date: 25.FEB.2020 08:49:33

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



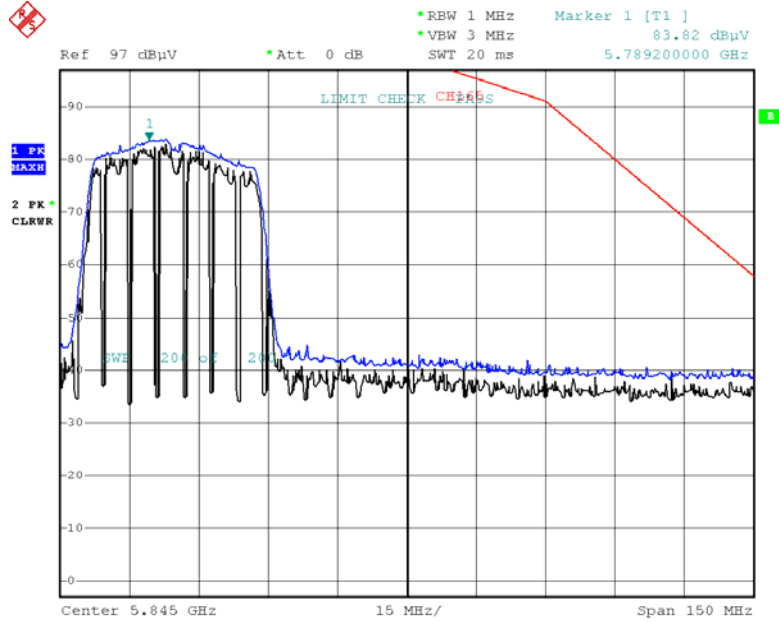
Date: 25.FEB.2020 09:50:43

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



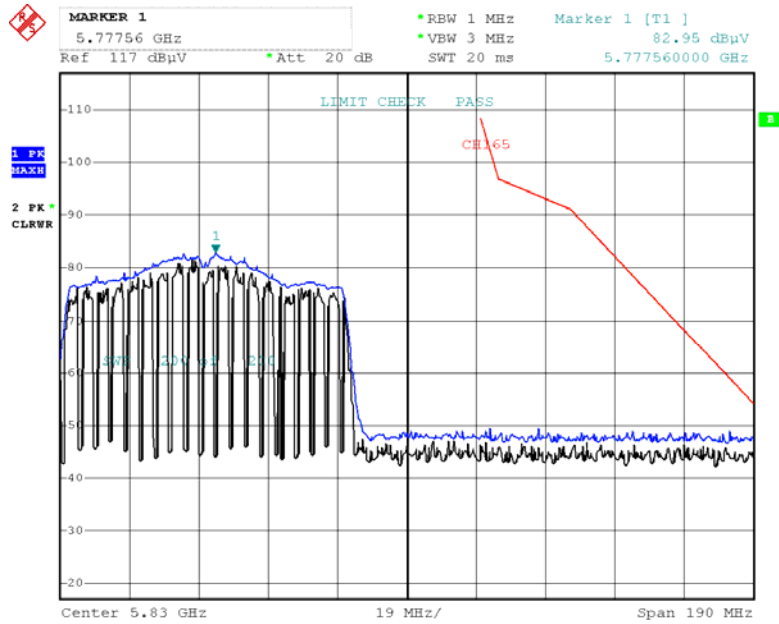
Date: 25.FEB.2020 09:51:41

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



Date: 25.FEB.2020 09:50:24

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



Date: 26.FEB.2020 01:31:05

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	100033
ESPACE	SU-642 / Temperature Chamber	03/12/2019	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	01/13/2020	Annual	MY49431210
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
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	04/26/2019	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/09/2018	Biennial	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	11/18/2019	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	11/29/2019	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/11/2019	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/26/2019	Annual	101068-SZ
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/19/2019	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	02/10/2020	Annual	1
CERNEX WEINSCHL	CBLU1183540B-01/Broadband Bench Top LNA 56-10 / Attenuator(10 dB)	12/24/2019	Annual	N/A
CERNEX Api tech.	CBL06185030 / Broadband Low Noise Amplifier 18B-03 / Attenuator (3 dB)	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
T&M SYSTEM	COAXIAL ATTENUATOR / Thru	12/24/2019	Annual	N/A
CERNEX	CBL18265035 / Power Amplifier	12/26/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/18/2019	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/26/2019	Annual	3000C000276

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-FI002-P