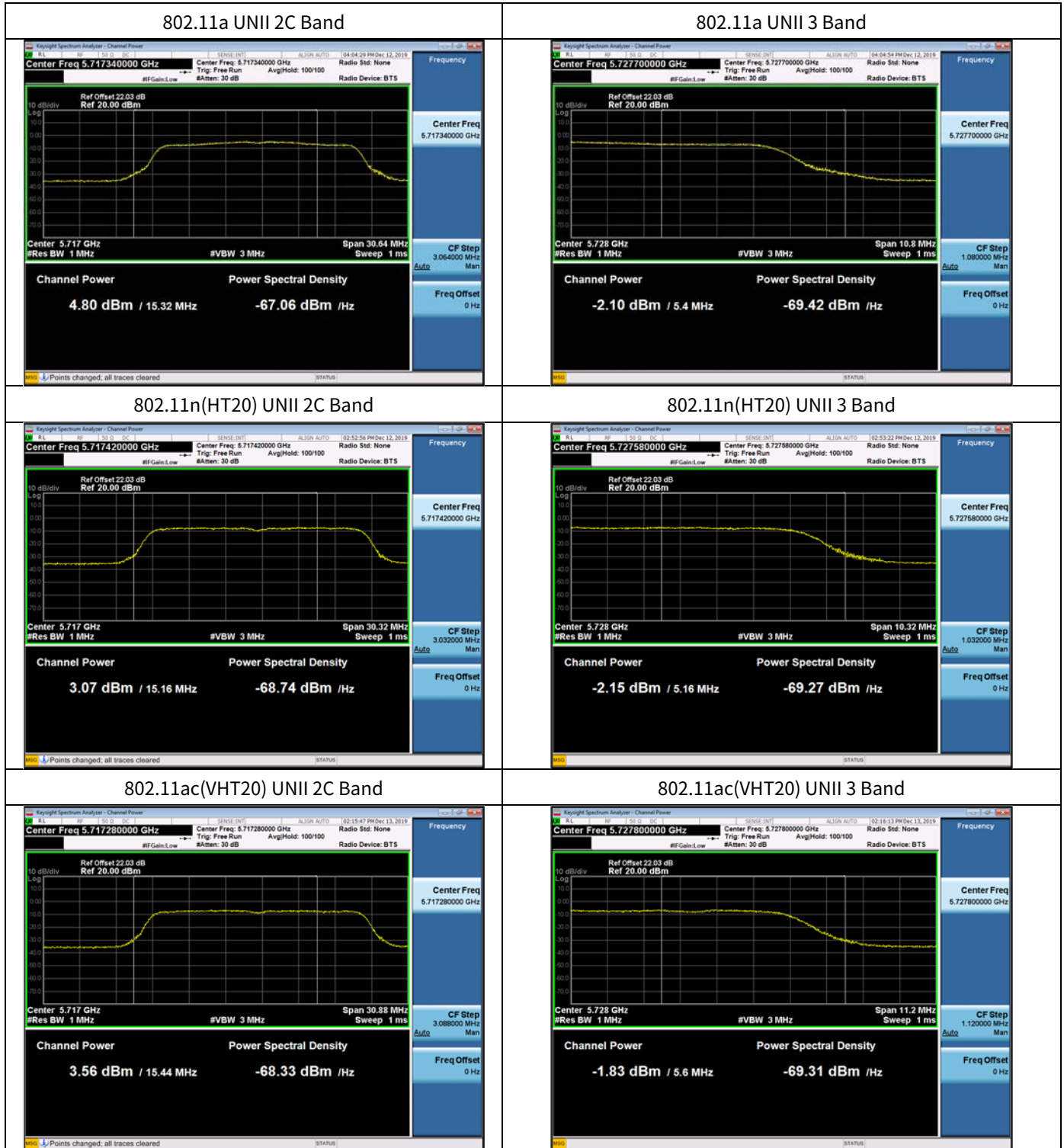
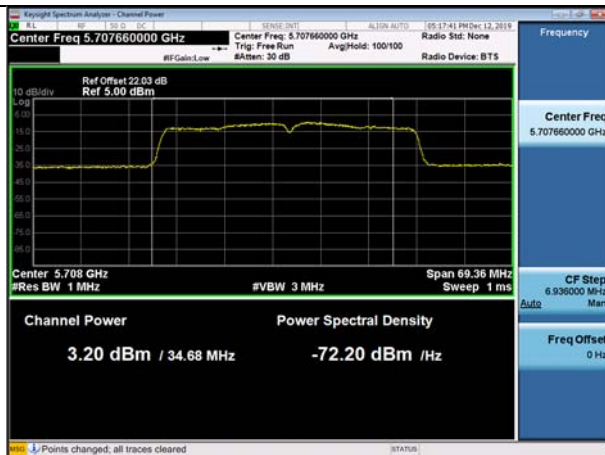


■ Test Plots



802.11n(HT40) UNII 2C Band



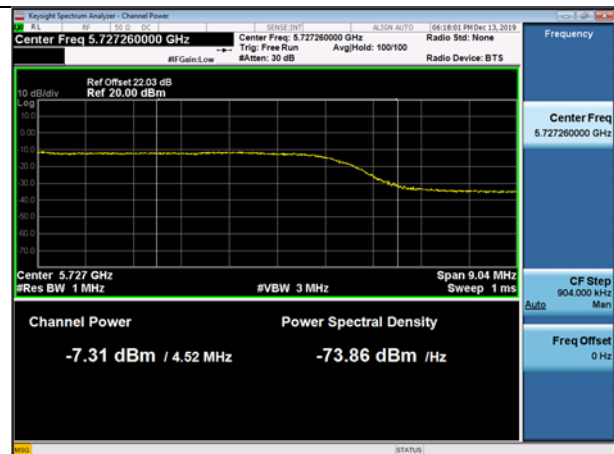
802.11n(HT40) UNII 3 Band



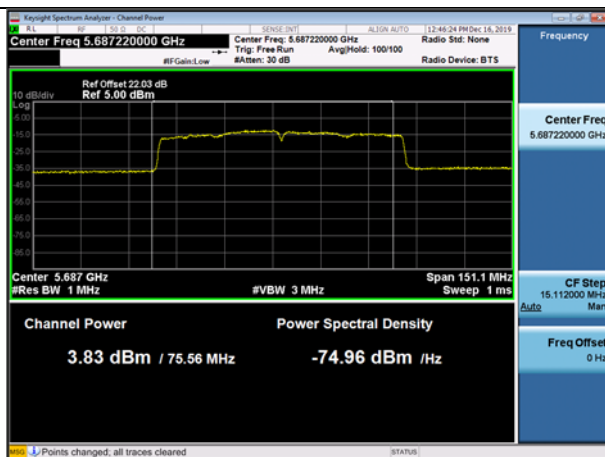
802.11ac(VHT40) UNII 2C Band



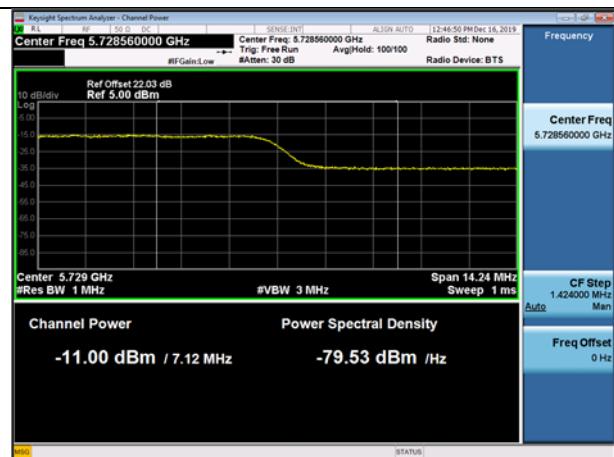
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.7.4 Power Spectral Density

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	-4.517	0.398	-4.119	11.00
802.11n(HT20)			-7.053	1.596	-5.457	11.00
802.11ac(VHT20)			-6.634	1.087	-5.547	11.00
802.11a	5720 (UNII 3 Band)	144	-9.466	0.398	-9.068	30.00
802.11n(HT20)			-9.734	1.596	-8.138	30.00
802.11ac(VHT20)			-9.531	1.087	-8.444	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	-9.497	1.863	-7.634	11.00
802.11ac(VHT40)			-8.494	1.124	-7.370	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-14.851	1.863	-12.988	30.00
802.11ac(VHT40)			-14.415	1.124	-13.291	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	-12.396	1.932	-10.464	11.00
	5690 (UNII 3 Band)	138	-17.764	1.932	-15.832	30.00

■ Test Plots

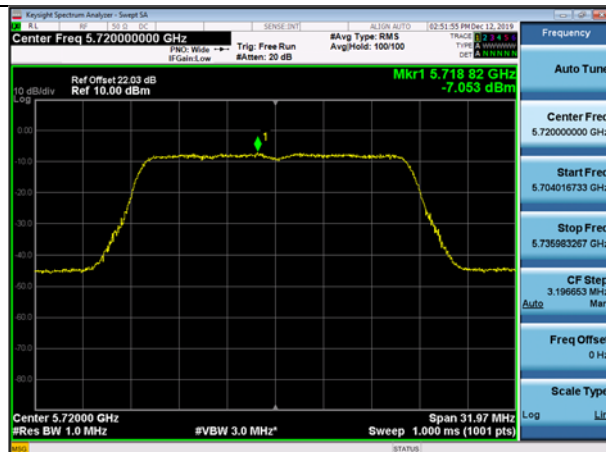
802.11a UNII 2C Band



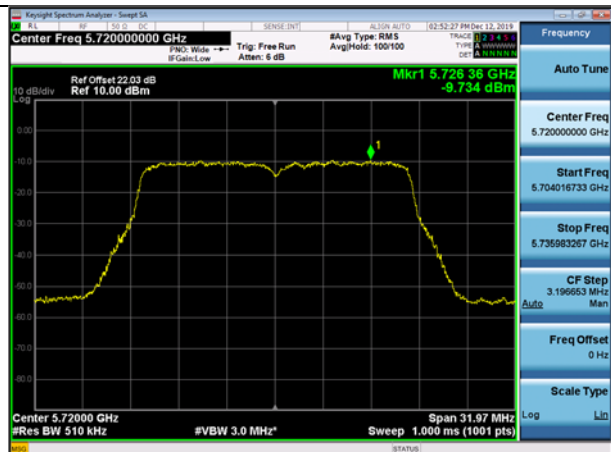
802.11a UNII 3 Band



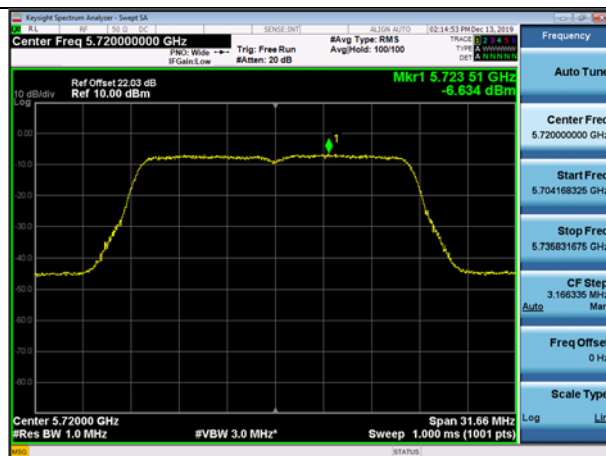
802.11n(HT20) UNII 2C Band



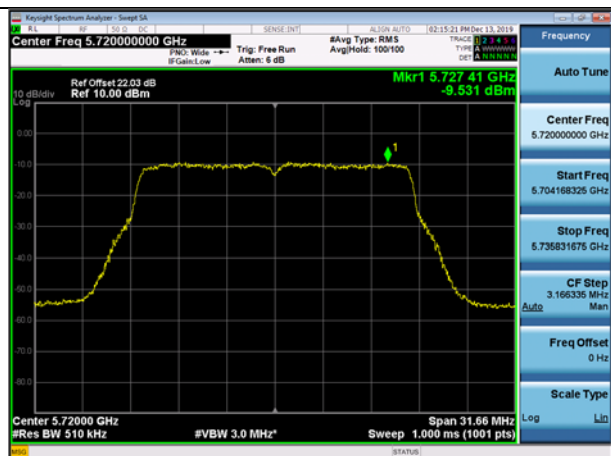
802.11n(HT20) UNII 3 Band



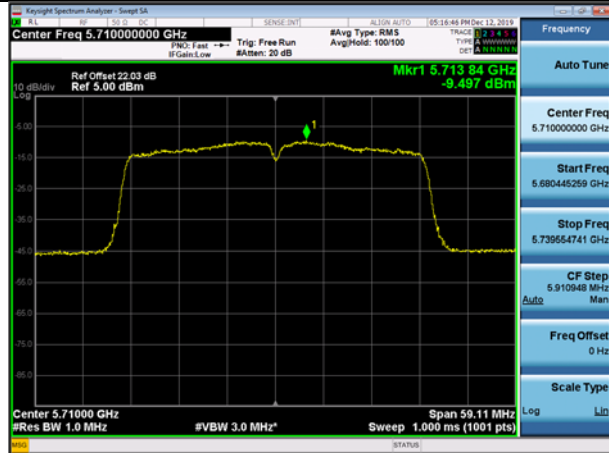
802.11ac(VHT20) UNII 2C Band



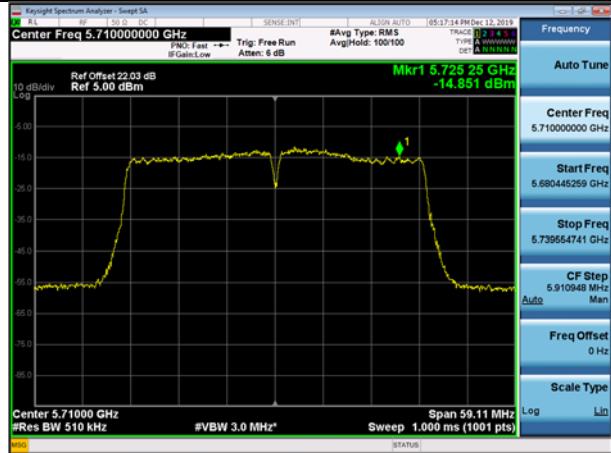
802.11ac(VHT20) UNII 3 Band



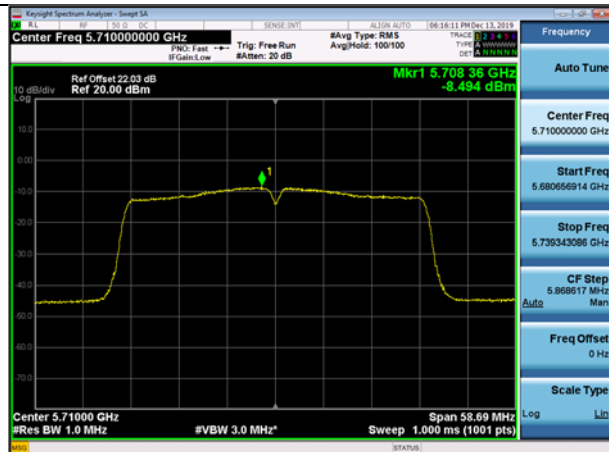
802.11n(HT40) UNII 2C Band



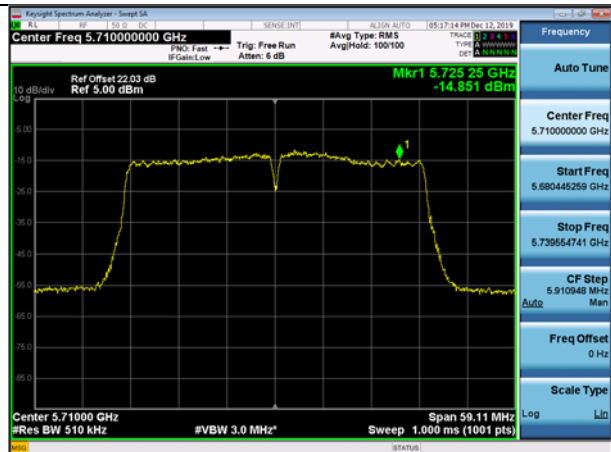
802.11n(HT40) UNII 3 Band



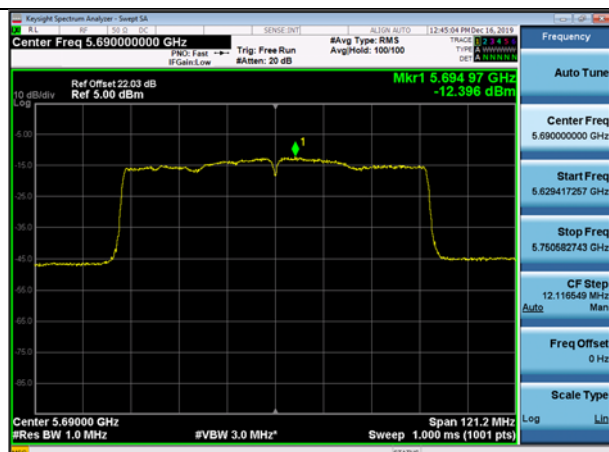
802.11ac(VHT40) UNII 2C Band



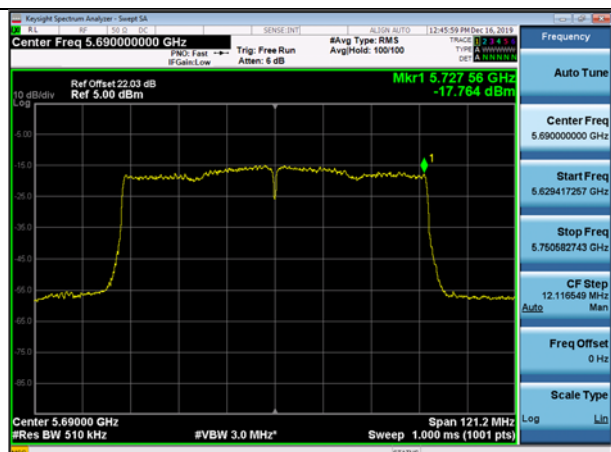
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.8 RADIATED SPURIOUS EMISSIONS

Frequency Range : 9 kHz – 30MHz

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

Note:

1. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = $40 \cdot \log(\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor
4. The test results for below 30 MHz is correlated to an open site.
The result on OFS is about 2 dB higher than semi-anechoic chamber(10 m chamber)

Frequency Range : Below 1 GHz

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

Note:

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

Frequency Range : Above 1 GHz

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	49.32	4.10	V	53.42	68.20	14.78	PK
15540	47.93	5.36	V	53.29	73.98	20.69	PK
15540	34.17	5.36	V	39.53	53.98	14.45	AV
10360	49.16	4.10	H	53.26	68.20	14.94	PK
15540	47.84	5.36	H	53.20	73.98	20.78	PK
15540	34.09	5.36	H	39.45	53.98	14.53	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	49.19	3.87	V	53.06	68.20	15.14	PK
15600	49.11	4.75	V	53.86	73.98	20.12	PK
15600	34.30	4.75	V	39.05	53.98	14.93	AV
10400	49.05	3.87	H	52.92	68.20	15.28	PK
15600	49.05	4.75	H	53.80	73.98	20.18	PK
15600	34.26	4.75	H	39.01	53.98	14.97	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	48.93	4.52	V	53.45	68.20	14.75	PK
15720	48.34	3.58	V	51.92	73.98	22.06	PK
15720	34.55	3.58	V	38.13	53.98	15.85	AV
10480	48.86	4.52	H	53.38	68.20	14.82	PK
15720	48.22	3.58	H	51.80	73.98	22.18	PK
15720	34.51	3.58	H	38.09	53.98	15.89	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	49.16	4.10	V	53.26	68.20	14.94	PK
15540	47.84	5.36	V	53.20	73.98	20.78	PK
15540	34.05	5.36	V	39.41	53.98	14.57	AV
10360	49.05	4.10	H	53.15	68.20	15.05	PK
15540	47.68	5.36	H	53.04	73.98	20.94	PK
15540	33.96	5.36	H	39.32	53.98	14.66	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	49.11	3.87	V	52.98	68.20	15.22	PK
15600	49.05	4.75	V	53.80	73.98	20.18	PK
15600	34.28	4.75	V	39.03	53.98	14.95	AV
10400	49.05	3.87	H	52.92	68.20	15.28	PK
15600	49.01	4.75	H	53.76	73.98	20.22	PK
15600	34.16	4.75	H	38.91	53.98	15.07	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	48.89	4.52	V	53.41	68.20	14.79	PK
15720	48.26	3.58	V	51.84	73.98	22.14	PK
15720	34.29	3.58	V	37.87	53.98	16.11	AV
10480	48.84	4.52	H	53.36	68.20	14.84	PK
15720	48.16	3.58	H	51.74	73.98	22.24	PK
15720	34.22	3.58	H	37.80	53.98	16.18	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	49.05	4.10	V	53.15	68.20	15.05	PK
15540	47.81	5.36	V	53.17	73.98	20.81	PK
15540	33.95	5.36	V	39.31	53.98	14.67	AV
10360	48.96	4.10	H	53.06	68.20	15.14	PK
15540	47.69	5.36	H	53.05	73.98	20.93	PK
15540	33.69	5.36	H	39.05	53.98	14.93	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	49.08	3.87	V	52.95	68.20	15.25	PK
15600	49.00	4.75	V	53.75	73.98	20.23	PK
15600	34.11	4.75	V	38.86	53.98	15.12	AV
10400	49.05	3.87	H	52.92	68.20	15.28	PK
15600	48.96	4.75	H	53.71	73.98	20.27	PK
15600	34.05	4.75	H	38.80	53.98	15.18	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	48.91	4.52	V	53.43	68.20	14.77	PK
15720	48.17	3.58	V	51.75	73.98	22.23	PK
15720	34.22	3.58	V	37.80	53.98	16.18	AV
10480	48.88	4.52	H	53.40	68.20	14.80	PK
15720	48.05	3.58	H	51.63	73.98	22.35	PK
15720	34.18	3.58	H	37.76	53.98	16.22	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	48.59	4.09	V	52.68	68.20	15.52	PK
15570	47.81	4.73	V	52.54	73.98	21.44	PK
15570	34.67	4.73	V	39.40	53.98	14.58	AV
10380	48.60	4.09	H	52.69	68.20	15.51	PK
15570	47.64	4.73	H	52.37	73.98	21.61	PK
15570	34.55	4.73	H	39.28	53.98	14.70	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	48.29	4.54	V	52.83	68.20	15.37	PK
15690	47.19	3.69	V	50.88	73.98	23.10	PK
15690	34.54	3.69	V	38.23	53.98	15.75	AV
10460	48.19	4.54	H	52.73	68.20	15.47	PK
15690	47.13	3.69	H	50.82	73.98	23.16	PK
15690	34.34	3.69	H	38.03	53.98	15.95	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	48.60	4.09	V	52.69	68.20	15.51	PK
15570	47.69	4.73	V	52.42	73.98	21.56	PK
15570	34.64	4.73	V	39.37	53.98	14.61	AV
10380	48.57	4.09	H	52.66	68.20	15.54	PK
15570	47.64	4.73	H	52.37	73.98	21.61	PK
15570	34.49	4.73	H	39.22	53.98	14.76	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	48.22	4.54	V	52.76	68.20	15.44	PK
15690	47.09	3.69	V	50.78	73.98	23.20	PK
15690	34.61	3.69	V	38.30	53.98	15.68	AV
10460	48.25	4.54	H	52.79	68.20	15.41	PK
15690	47.10	3.69	H	50.79	73.98	23.19	PK
15690	34.55	3.69	H	38.24	53.98	15.74	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	47.72	3.79	V	51.51	68.20	16.69	PK
15630	47.70	4.02	V	51.72	73.98	22.26	PK
15630	36.00	4.02	V	40.02	53.98	13.96	AV
10420	47.55	3.79	H	51.34	68.20	16.86	PK
15630	47.69	4.02	H	51.71	73.98	22.27	PK
15630	35.84	4.02	H	39.86	53.98	14.12	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	48.78	4.70	V	53.48	68.20	14.72	PK
15780	47.91	3.76	V	51.67	73.98	22.31	PK
15780	34.43	3.76	V	38.19	53.98	15.79	AV
10520	48.76	4.70	H	53.46	68.20	14.74	PK
15780	47.88	3.76	H	51.64	73.98	22.34	PK
15780	34.39	3.76	H	38.15	53.98	15.83	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	49.60	4.27	V	53.87	73.98	20.11	PK
10600	35.67	4.27	V	39.94	53.98	14.04	AV
15900	48.08	4.58	V	52.66	73.98	21.32	PK
15900	33.96	4.58	V	38.54	53.98	15.44	AV
10600	49.55	4.27	H	53.82	73.98	20.16	PK
10600	35.65	4.27	H	39.92	53.98	14.06	AV
15900	47.99	4.58	H	52.57	73.98	21.41	PK
15900	33.94	4.58	H	38.52	53.98	15.46	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	48.66	4.40	V	53.06	73.98	20.92	PK
10640	35.38	4.40	V	39.78	53.98	14.20	AV
15960	48.14	4.03	V	52.17	73.98	21.81	PK
15960	34.39	4.03	V	38.42	53.98	15.56	AV
10640	48.58	4.40	H	52.98	73.98	21.00	PK
10640	35.26	4.40	H	39.66	53.98	14.32	AV
15960	48.05	4.03	H	52.08	73.98	21.90	PK
15960	34.29	4.03	H	38.32	53.98	15.66	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	48.69	4.70	V	53.39	68.20	14.81	PK
15780	47.86	3.76	V	51.62	73.98	22.36	PK
15780	34.29	3.76	V	38.05	53.98	15.93	AV
10520	48.56	4.70	H	53.26	68.20	14.94	PK
15780	47.84	3.76	H	51.60	73.98	22.38	PK
15780	34.18	3.76	H	37.94	53.98	16.04	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	49.58	4.27	V	53.85	73.98	20.13	PK
10600	35.55	4.27	V	39.82	53.98	14.16	AV
15900	48.46	4.58	V	53.04	73.98	20.94	PK
15900	34.00	4.58	V	38.58	53.98	15.40	AV
10600	49.51	4.27	H	53.78	73.98	20.20	PK
10600	35.42	4.27	H	39.69	53.98	14.29	AV
15900	48.31	4.58	H	52.89	73.98	21.09	PK
15900	33.89	4.58	H	38.47	53.98	15.51	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	48.58	4.40	V	52.98	73.98	21.00	PK
10640	35.60	4.40	V	40.00	53.98	13.98	AV
15960	49.11	4.03	V	53.14	73.98	20.84	PK
15960	34.51	4.03	V	38.54	53.98	15.44	AV
10640	48.51	4.40	H	52.91	73.98	21.07	PK
10640	35.33	4.40	H	39.73	53.98	14.25	AV
15960	49.05	4.03	H	53.08	73.98	20.90	PK
15960	34.39	4.03	H	38.42	53.98	15.56	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	48.57	4.70	V	53.27	68.20	14.93	PK
15780	47.67	3.76	V	51.43	73.98	22.55	PK
15780	34.15	3.76	V	37.91	53.98	16.07	AV
10520	48.49	4.70	H	53.19	68.20	15.01	PK
15780	47.55	3.76	H	51.31	73.98	22.67	PK
15780	34.05	3.76	H	37.81	53.98	16.17	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	49.23	4.27	V	53.50	73.98	20.48	PK
10600	35.42	4.27	V	39.69	53.98	14.29	AV
15900	48.31	4.58	V	52.89	73.98	21.09	PK
15900	33.97	4.58	V	38.55	53.98	15.43	AV
10600	49.11	4.27	H	53.38	73.98	20.60	PK
10600	35.39	4.27	H	39.66	53.98	14.32	AV
15900	48.28	4.58	H	52.86	73.98	21.12	PK
15900	33.87	4.58	H	38.45	53.98	15.53	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	48.39	4.40	V	52.79	73.98	21.19	PK
10640	35.46	4.40	V	39.86	53.98	14.12	AV
15960	49.04	4.03	V	53.07	73.98	20.91	PK
15960	34.31	4.03	V	38.34	53.98	15.64	AV
10640	48.26	4.40	H	52.66	73.98	21.32	PK
10640	35.44	4.40	H	39.84	53.98	14.14	AV
15960	49.03	4.03	H	53.06	73.98	20.92	PK
15960	34.16	4.03	H	38.19	53.98	15.79	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	48.56	5.03	V	53.59	68.20	14.61	PK
15810	47.03	4.69	V	51.72	73.98	22.26	PK
15810	34.37	4.69	V	39.06	53.98	14.92	AV
10540	48.48	5.03	H	53.51	68.20	14.69	PK
15810	47.01	4.69	H	51.70	73.98	22.28	PK
15810	34.14	4.69	H	38.83	53.98	15.15	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	48.39	4.92	V	53.31	73.98	20.67	PK
10620	35.97	4.92	V	40.89	53.98	13.09	AV
15930	47.17	4.50	V	51.67	73.98	22.31	PK
15930	33.89	4.50	V	38.39	53.98	15.59	AV
10620	48.21	4.92	H	53.13	73.98	20.85	PK
10620	35.87	4.92	H	40.79	53.98	13.19	AV
15930	47.05	4.50	H	51.55	73.98	22.43	PK
15930	33.72	4.50	H	38.22	53.98	15.76	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	48.55	5.03	V	53.58	68.20	14.62	PK
15810	46.98	4.69	V	51.67	73.98	22.31	PK
15810	34.29	4.69	V	38.98	53.98	15.00	AV
10540	48.45	5.03	H	53.48	68.20	14.72	PK
15810	46.87	4.69	H	51.56	73.98	22.42	PK
15810	34.20	4.69	H	38.89	53.98	15.09	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	48.23	4.92	V	53.15	73.98	20.83	PK
10620	35.79	4.92	V	40.71	53.98	13.27	AV
15930	47.08	4.50	V	51.58	73.98	22.40	PK
15930	33.84	4.50	V	38.34	53.98	15.64	AV
10620	48.35	4.92	H	53.27	73.98	20.71	PK
10620	35.51	4.92	H	40.43	53.98	13.55	AV
15930	47.10	4.50	H	51.60	73.98	22.38	PK
15930	33.79	4.50	H	38.29	53.98	15.69	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	48.34	4.02	V	52.36	68.20	15.84	PK
15870	46.15	5.51	V	51.66	73.98	22.32	PK
15870	34.67	5.51	V	40.18	53.98	13.80	AV
10580	48.26	4.02	H	52.28	68.20	15.92	PK
15870	46.08	5.51	H	51.59	73.98	22.39	PK
15870	34.55	5.51	H	40.06	53.98	13.92	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	47.91	4.29	V	52.20	73.98	21.78	PK
11000	35.55	4.29	V	39.84	53.98	14.14	AV
16500	46.88	6.22	V	53.10	68.20	15.10	PK
11000	47.88	4.29	H	52.17	73.98	21.81	PK
11000	35.49	4.29	H	39.78	53.98	14.20	AV
16500	46.87	6.22	H	53.09	68.20	15.11	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	49.93	4.28	V	54.21	73.98	19.77	PK
11160	36.37	4.28	V	40.65	53.98	13.33	AV
16740	46.10	7.73	V	53.83	68.20	14.37	PK
11160	49.84	4.28	H	54.12	73.98	19.86	PK
11160	36.26	4.28	H	40.54	53.98	13.44	AV
16740	46.05	7.73	H	53.78	68.20	14.42	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	48.61	4.38	V	52.99	73.98	20.99	PK
11440	35.11	4.38	V	39.49	53.98	14.49	AV
17160	47.65	8.77	V	56.42	68.20	11.78	PK
11440	48.51	4.38	H	52.89	73.98	21.09	PK
11440	35.05	4.38	H	39.43	53.98	14.55	AV
17160	47.58	8.77	H	56.35	68.20	11.85	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	48.18	4.29	V	52.47	73.98	21.51	PK
11000	36.10	4.29	V	40.39	53.98	13.59	AV
16500	46.92	6.22	V	53.14	68.20	15.06	PK
11000	48.05	4.29	H	52.34	73.98	21.64	PK
11000	35.94	4.29	H	40.23	53.98	13.75	AV
16500	46.86	6.22	H	53.08	68.20	15.12	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	49.84	4.28	V	54.12	73.98	19.86	PK
11160	36.28	4.28	V	40.56	53.98	13.42	AV
16740	46.39	7.73	V	54.12	68.20	14.08	PK
11160	49.79	4.28	H	54.07	73.98	19.91	PK
11160	36.16	4.28	H	40.44	53.98	13.54	AV
16740	46.22	7.73	H	53.95	68.20	14.25	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	48.23	4.38	V	52.61	73.98	21.37	PK
11440	35.63	4.38	V	40.01	53.98	13.97	AV
17160	47.59	8.77	V	56.36	68.20	11.84	PK
11440	48.16	4.38	H	52.54	73.98	21.44	PK
11440	35.61	4.38	H	39.99	53.98	13.99	AV
17160	47.45	8.77	H	56.22	68.20	11.98	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	48.07	4.29	V	52.36	73.98	21.62	PK
11000	35.97	4.29	V	40.26	53.98	13.72	AV
16500	46.88	6.22	V	53.10	68.20	15.10	PK
11000	47.99	4.29	H	52.28	73.98	21.70	PK
11000	35.97	4.29	H	40.26	53.98	13.72	AV
16500	46.69	6.22	H	52.91	68.20	15.29	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	49.76	4.28	V	54.04	73.98	19.94	PK
11160	36.16	4.28	V	40.44	53.98	13.54	AV
16740	46.31	7.73	V	54.04	68.20	14.16	PK
11160	49.56	4.28	H	53.84	73.98	20.14	PK
11160	36.11	4.28	H	40.39	53.98	13.59	AV
16740	46.33	7.73	H	54.06	68.20	14.14	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	48.17	4.38	V	52.55	73.98	21.43	PK
11440	35.48	4.38	V	39.86	53.98	14.12	AV
17160	47.55	8.77	V	56.32	68.20	11.88	PK
11440	48.05	4.38	H	52.43	73.98	21.55	PK
11440	35.44	4.38	H	39.82	53.98	14.16	AV
17160	47.39	8.77	H	56.16	68.20	12.04	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	48.12	4.58	V	52.70	73.98	21.28	PK
11020	35.28	4.58	V	39.86	53.98	14.12	AV
16530	47.33	6.22	V	53.55	68.20	14.65	PK
11020	48.05	4.58	H	52.63	73.98	21.35	PK
11020	35.14	4.58	H	39.72	53.98	14.26	AV
16530	47.16	6.22	H	53.38	68.20	14.82	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	48.14	5.04	V	53.18	73.98	20.80	PK
11100	35.48	5.04	V	40.52	53.98	13.46	AV
16650	47.22	7.21	V	54.43	68.20	13.77	PK
11100	48.07	5.04	H	53.11	73.98	20.87	PK
11100	35.29	5.04	H	40.33	53.98	13.65	AV
16650	47.13	7.21	H	54.34	68.20	13.86	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	48.53	4.11	V	52.64	73.98	21.34	PK
11420	35.59	4.11	V	39.70	53.98	14.28	AV
17130	46.46	7.70	V	54.16	68.20	14.04	PK
11420	48.29	4.11	H	52.40	73.98	21.58	PK
11420	35.44	4.11	H	39.55	53.98	14.43	AV
17130	46.38	7.70	H	54.08	68.20	14.12	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	48.08	4.58	V	52.66	73.98	21.32	PK
11020	35.18	4.58	V	39.76	53.98	14.22	AV
16530	47.11	6.22	V	53.33	68.20	14.87	PK
11020	48.12	4.58	H	52.70	73.98	21.28	PK
11020	35.11	4.58	H	39.69	53.98	14.29	AV
16530	47.09	6.22	H	53.31	68.20	14.89	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	48.08	5.04	V	53.12	73.98	20.86	PK
11100	35.42	5.04	V	40.46	53.98	13.52	AV
16650	47.14	7.21	V	54.35	68.20	13.85	PK
11100	48.12	5.04	H	53.16	73.98	20.82	PK
11100	35.38	5.04	H	40.42	53.98	13.56	AV
16650	47.14	7.21	H	54.35	68.20	13.85	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	48.44	4.11	V	52.55	73.98	21.43	PK
11420	35.46	4.11	V	39.57	53.98	14.41	AV
17130	46.51	7.70	V	54.21	68.20	13.99	PK
11420	48.28	4.11	H	52.39	73.98	21.59	PK
11420	35.30	4.11	H	39.41	53.98	14.57	AV
17130	46.43	7.70	H	54.13	68.20	14.07	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	47.28	4.97	V	52.25	73.98	21.73	PK
11060	36.08	4.97	V	41.05	53.98	12.93	AV
16590	47.20	6.79	V	53.99	68.20	14.21	PK
11060	47.11	4.97	H	52.08	73.98	21.90	PK
11060	35.98	4.97	H	40.95	53.98	13.03	AV
16590	47.08	6.79	H	53.87	68.20	14.33	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	48.14	4.20	V	52.34	73.98	21.64	PK
11380	36.79	4.20	V	40.99	53.98	12.99	AV
17070	46.03	8.73	V	54.76	68.20	13.44	PK
11380	48.10	4.20	H	52.30	73.98	21.68	PK
11380	36.75	4.20	H	40.95	53.98	13.03	AV
17070	45.82	8.73	H	54.55	68.20	13.65	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	48.30	4.19	V	52.49	73.98	21.49	PK
11490	36.35	4.19	V	40.54	53.98	13.44	AV
17235	47.64	9.09	V	56.73	68.20	11.47	PK
11490	48.23	4.19	H	52.42	73.98	21.56	PK
11490	36.29	4.19	H	40.48	53.98	13.50	AV
17235	47.61	9.09	H	56.70	68.20	11.50	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	47.86	4.83	V	52.69	73.98	21.29	PK
11570	36.11	4.83	V	40.94	53.98	13.04	AV
17355	47.86	9.81	V	57.67	68.20	10.53	PK
11570	47.81	4.83	H	52.64	73.98	21.34	PK
11570	36.05	4.83	H	40.88	53.98	13.10	AV
17355	47.68	9.81	H	57.49	68.20	10.71	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	49.73	3.70	V	53.43	73.98	20.55	PK
11650	38.74	3.70	V	42.44	53.98	11.54	AV
17475	48.51	10.25	V	58.76	68.20	9.44	PK
11650	49.56	3.70	H	53.26	73.98	20.72	PK
11650	38.54	3.70	H	42.24	53.98	11.74	AV
17475	48.18	10.25	H	58.43	68.20	9.77	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	48.66	4.19	V	52.85	73.98	21.13	PK
11490	36.37	4.19	V	40.56	53.98	13.42	AV
17235	47.72	9.09	V	56.81	68.20	11.39	PK
11490	48.59	4.19	H	52.78	73.98	21.20	PK
11490	36.25	4.19	H	40.44	53.98	13.54	AV
17235	47.58	9.09	H	56.67	68.20	11.53	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	47.99	4.83	V	52.82	73.98	21.16	PK
11570	36.23	4.83	V	41.06	53.98	12.92	AV
17355	47.67	9.81	V	57.48	68.20	10.72	PK
11570	47.86	4.83	H	52.69	73.98	21.29	PK
11570	36.12	4.83	H	40.95	53.98	13.03	AV
17355	47.56	9.81	H	57.37	68.20	10.83	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	49.80	3.70	V	53.50	73.98	20.48	PK
11650	38.69	3.70	V	42.39	53.98	11.59	AV
17475	48.86	10.25	V	59.11	68.20	9.09	PK
11650	49.73	3.70	H	53.43	73.98	20.55	PK
11650	38.61	3.70	H	42.31	53.98	11.67	AV
17475	48.77	10.25	H	59.02	68.20	9.18	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	48.57	4.19	V	52.76	73.98	21.22	PK
11490	36.29	4.19	V	40.48	53.98	13.50	AV
17235	47.56	9.09	V	56.65	68.20	11.55	PK
11490	48.38	4.19	H	52.57	73.98	21.41	PK
11490	36.19	4.19	H	40.38	53.98	13.60	AV
17235	47.51	9.09	H	56.60	68.20	11.60	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	47.84	4.83	V	52.67	73.98	21.31	PK
11570	36.18	4.83	V	41.01	53.98	12.97	AV
17355	47.59	9.81	V	57.40	68.20	10.80	PK
11570	47.66	4.83	H	52.49	73.98	21.49	PK
11570	36.08	4.83	H	40.91	53.98	13.07	AV
17355	47.51	9.81	H	57.32	68.20	10.88	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	49.72	3.70	V	53.42	73.98	20.56	PK
11650	38.27	3.70	V	41.97	53.98	12.01	AV
17475	49.18	10.25	V	59.43	68.20	8.77	PK
11650	49.71	3.70	H	53.41	73.98	20.57	PK
11650	38.09	3.70	H	41.79	53.98	12.19	AV
17475	49.05	10.25	H	59.30	68.20	8.90	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	48.09	4.20	V	52.29	73.98	21.69	PK
11510	35.23	4.20	V	39.43	53.98	14.55	AV
17265	46.39	9.64	V	56.03	68.20	12.17	PK
11510	48.05	4.20	H	52.25	73.98	21.73	PK
11510	35.14	4.20	H	39.34	53.98	14.64	AV
17265	46.21	9.64	H	55.85	68.20	12.35	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	48.55	4.91	V	53.46	73.98	20.52	PK
11590	37.17	4.91	V	42.08	53.98	11.90	AV
17385	47.31	10.20	V	57.51	68.20	10.69	PK
11590	48.36	4.91	H	53.27	73.98	20.71	PK
11590	37.14	4.91	H	42.05	53.98	11.93	AV
17385	47.21	10.20	H	57.41	68.20	10.79	PK

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	48.10	4.20	V	52.30	73.98	21.68	PK
11510	35.18	4.20	V	39.38	53.98	14.60	AV
17265	46.27	9.64	V	55.91	68.20	12.29	PK
11510	47.95	4.20	H	52.15	73.98	21.83	PK
11510	35.13	4.20	H	39.33	53.98	14.65	AV
17265	46.21	9.64	H	55.85	68.20	12.35	PK

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

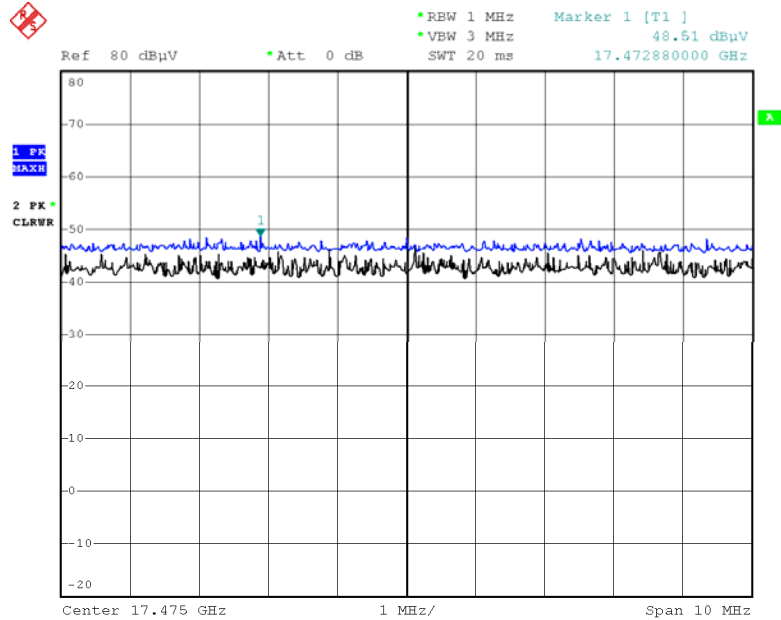
Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	48.48	4.91	V	53.39	73.98	20.59	PK
11590	37.04	4.91	V	41.95	53.98	12.03	AV
17385	47.08	10.20	V	57.28	68.20	10.92	PK
11590	48.26	4.91	H	53.17	73.98	20.81	PK
11590	36.95	4.91	H	41.86	53.98	12.12	AV
17385	46.96	10.20	H	57.16	68.20	11.04	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	47.51	4.50	V	52.01	73.98	21.97	PK
11550	38.71	4.50	V	43.21	53.98	10.77	AV
17325	46.30	10.22	V	56.52	68.20	11.68	PK
11550	47.98	3.32	H	51.30	73.98	22.68	PK
11550	38.83	3.32	H	42.15	53.98	11.83	AV
17325	46.54	10.22	H	56.76	68.20	11.44	PK

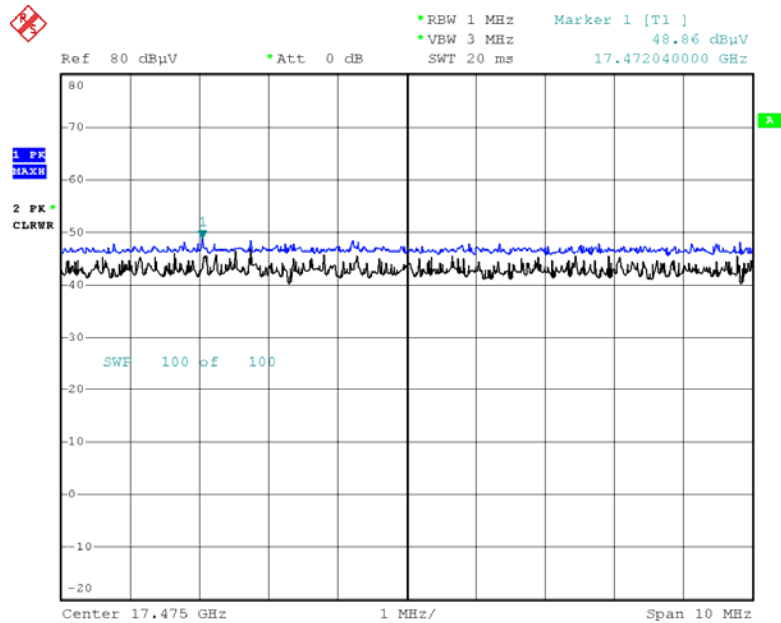
Test Plots

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



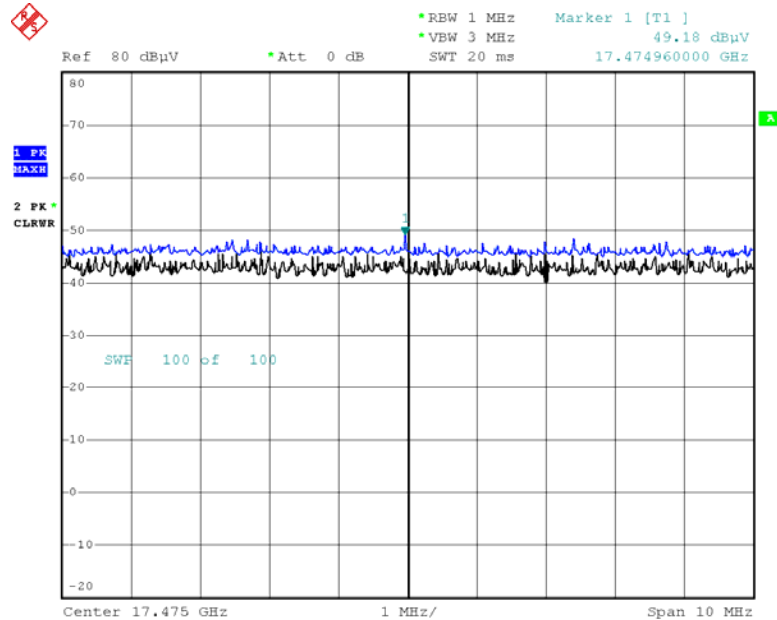
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Peak Reading (802.11n, Ch.165 3rd Harmonic, V)



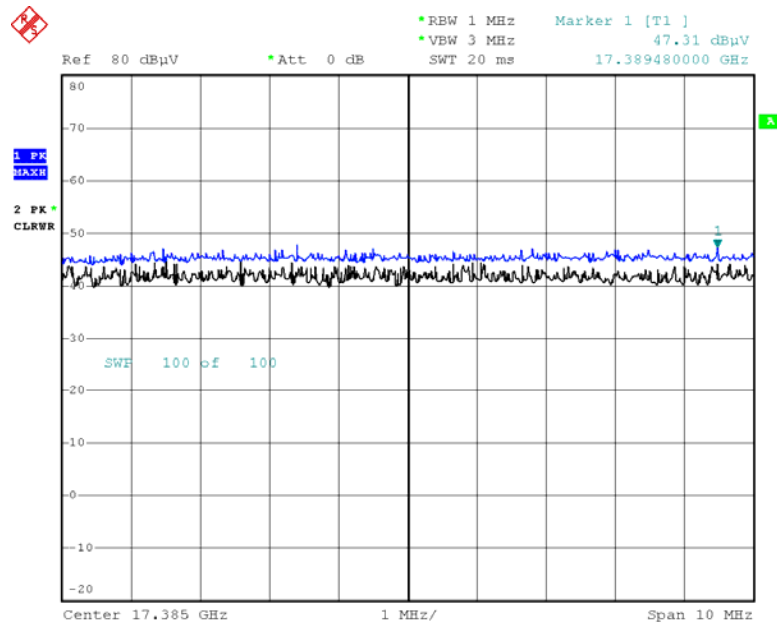
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Peak Reading (802.11ac, Ch.165 3rd Harmonic, V)



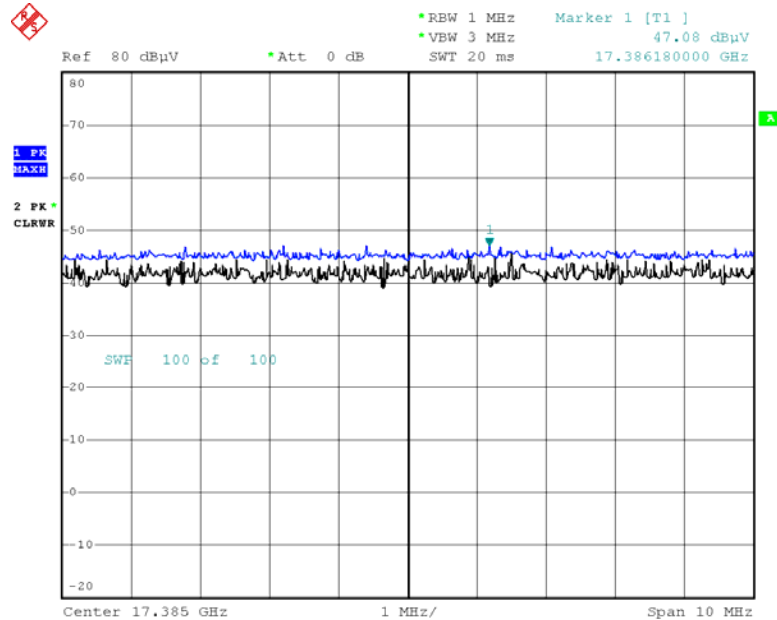
Date: 26.NOV.2019 09:33:09

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



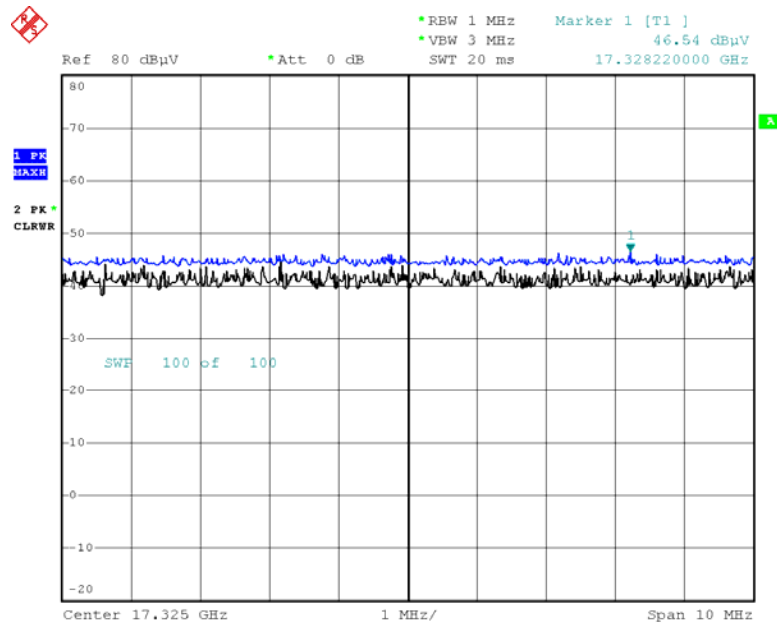
Date: 26.NOV.2019 09:35:05

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



Date: 26.NOV.2019 09:42:28

Peak Reading (802.11ac80, Ch.155 3rd Harmonic, H)



Date: 26.NOV.2019 09:45:33

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	43.94	11.06	H	55.00	73.98	18.98	PK
5150	30.71	11.06	H	41.77	53.98	12.21	AV
5150	44.09	11.06	V	55.15	73.98	18.83	PK
5150	30.86	11.06	V	41.92	53.98	12.06	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	43.59	11.06	H	54.65	73.98	19.33	PK
5150	30.76	11.06	H	41.82	53.98	12.16	AV
5150	43.98	11.06	V	55.04	73.98	18.94	PK
5150	30.89	11.06	V	41.95	53.98	12.03	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	44.31	11.06	H	55.37	73.98	18.61	PK
5150	30.70	11.06	H	41.76	53.98	12.22	AV
5150	44.44	11.06	V	55.5	73.98	18.48	PK
5150	30.73	11.06	V	41.79	53.98	12.19	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	44.08	11.06	H	55.14	73.98	18.84	PK
5150	30.69	11.06	H	41.75	53.98	12.23	AV
5150	44.12	11.06	V	55.18	73.98	18.80	PK
5150	30.78	11.06	V	41.84	53.98	12.14	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	43.60	11.06	H	54.66	73.98	19.32	PK
5150	30.76	11.06	H	41.82	53.98	12.16	AV
5150	43.87	11.06	V	54.93	73.98	19.05	PK
5150	30.87	11.06	V	41.93	53.98	12.05	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	44.21	11.06	H	55.27	73.98	18.71	PK
5150	30.76	11.06	H	41.82	53.98	12.16	AV
5150	44.31	11.06	V	55.37	73.98	18.61	PK
5150	30.82	11.06	V	41.88	53.98	12.10	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	43.61	11.86	H	55.47	73.98	18.51	PK
5350	31.83	11.86	H	43.69	53.98	10.29	AV
5350	43.28	11.86	V	55.14	73.98	18.84	PK
5350	31.59	11.86	V	43.45	53.98	10.53	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	43.06	11.86	H	54.92	73.98	19.06	PK
5350	32.26	11.86	H	44.12	53.98	9.86	AV
5350	42.96	11.86	V	54.82	73.98	19.16	PK
5350	32.14	11.86	V	44.00	53.98	9.98	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	43.02	11.86	H	54.88	73.98	19.10	PK
5350	32.09	11.86	H	43.95	53.98	10.03	AV
5350	42.86	11.86	V	54.72	73.98	19.26	PK
5350	31.69	11.86	V	43.55	53.98	10.43	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	43.60	11.86	H	55.46	73.98	18.52	PK
5350	31.93	11.86	H	43.79	53.98	10.19	AV
5350	43.51	11.86	V	55.37	73.98	18.61	PK
5350	31.74	11.86	V	43.6	53.98	10.38	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	43.10	11.86	H	54.96	73.98	19.02	PK
5350	31.74	11.86	H	43.6	53.98	10.38	AV
5350	42.98	11.86	V	54.84	73.98	19.14	PK
5350	31.46	11.86	V	43.32	53.98	10.66	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	43.04	11.86	H	54.90	73.98	19.08	PK
5350	32.12	11.86	H	43.98	53.98	10.00	AV
5350	43.04	11.86	V	54.9	73.98	19.08	PK
5350	32.07	11.86	V	43.93	53.98	10.05	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	43.28	12.24	H	55.52	73.98	18.46	PK
5460	31.76	12.24	H	44.00	53.98	9.98	AV
5470	43.40	12.50	H	55.9	68.20	12.30	PK
5460	43.43	12.24	V	55.67	73.98	18.31	PK
5460	31.93	12.24	V	44.17	53.98	9.81	AV
5470	43.56	12.50	V	56.06	68.20	12.14	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	43.22	12.24	H	55.46	73.98	18.52	PK
5460	31.84	12.24	H	44.08	53.98	9.90	AV
5470	43.17	12.50	H	55.67	68.20	12.53	PK
5460	43.35	12.24	V	55.59	73.98	18.39	PK
5460	31.93	12.24	V	44.17	53.98	9.81	AV
5470	43.30	12.50	V	55.8	68.20	12.40	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	42.69	12.24	H	54.93	73.98	19.05	PK
5460	31.72	12.24	H	43.96	53.98	10.02	AV
5470	43.70	12.50	H	56.2	68.20	12.00	PK
5460	42.95	12.24	V	55.19	73.98	18.79	PK
5460	31.84	12.24	V	44.08	53.98	9.90	AV
5470	43.80	12.50	V	56.3	68.20	11.90	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	43.99	12.24	H	56.23	73.98	17.75	PK
5460	32.04	12.24	H	44.28	53.98	9.70	AV
5470	43.58	12.50	H	56.08	68.20	12.12	PK
5460	44.12	12.24	V	56.36	73.98	17.62	PK
5460	32.13	12.24	V	44.37	53.98	9.61	AV
5470	43.77	12.50	V	56.27	68.20	11.93	PK

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

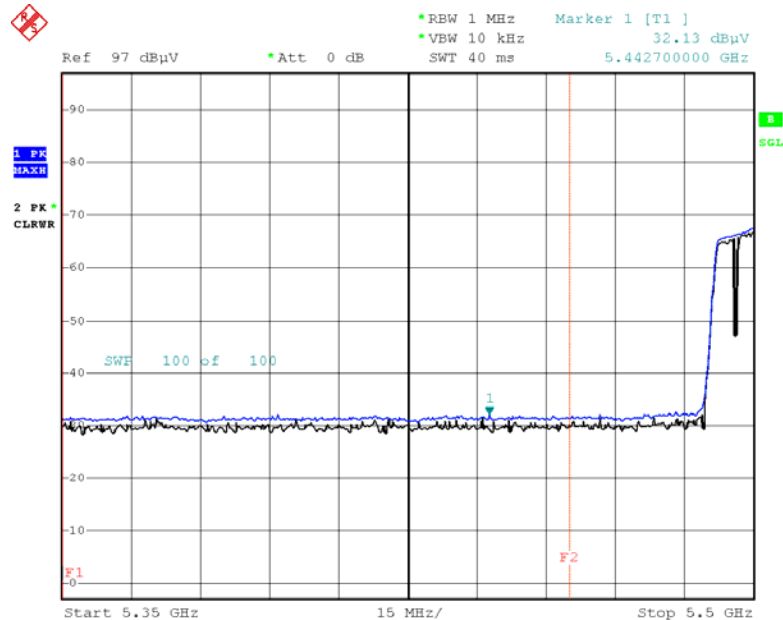
Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	42.84	12.24	H	55.08	73.98	18.90	PK
5460	31.89	12.24	H	44.13	53.98	9.85	AV
5470	43.58	12.50	H	56.08	68.20	12.12	PK
5460	43.00	12.24	V	55.24	73.98	18.74	PK
5460	31.91	12.24	V	44.15	53.98	9.83	AV
5470	43.87	12.50	V	56.37	68.20	11.83	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	43.74	12.24	H	55.98	73.98	18.00	PK
5460	31.95	12.24	H	44.19	53.98	9.79	AV
5470	42.66	12.50	H	55.16	68.20	13.04	PK
5460	43.80	12.24	V	56.04	73.98	17.94	PK
5460	32.07	12.24	V	44.31	53.98	9.67	AV
5470	42.76	12.50	V	55.26	68.20	12.94	PK

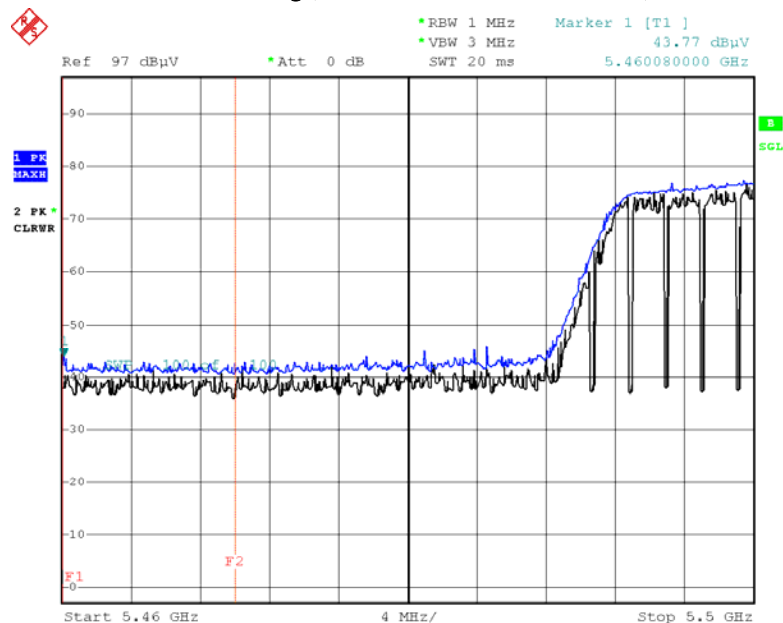
Test Plots

Average Reading (802.11n_VHT40, Ch.102, X-V)



Date: 22.NOV.2019 07:03:13

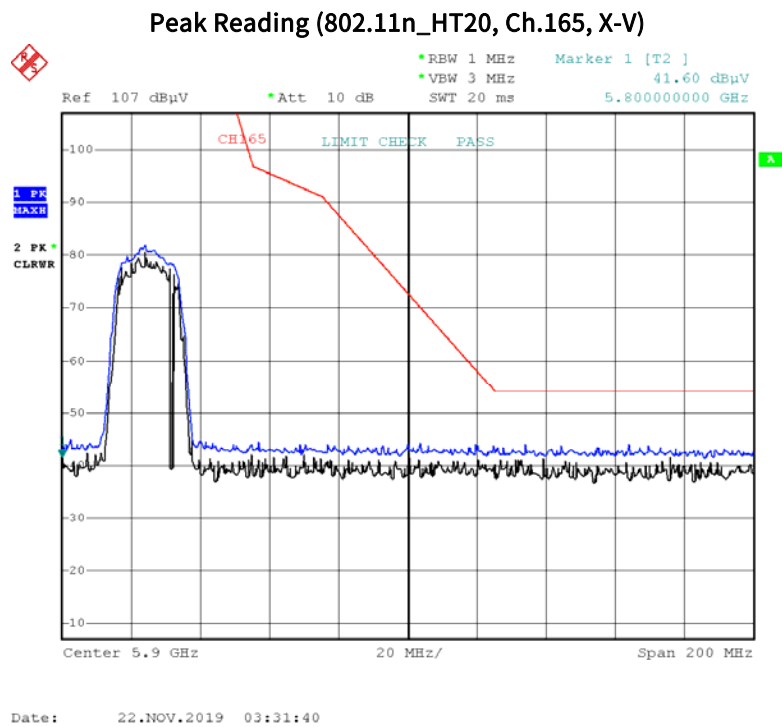
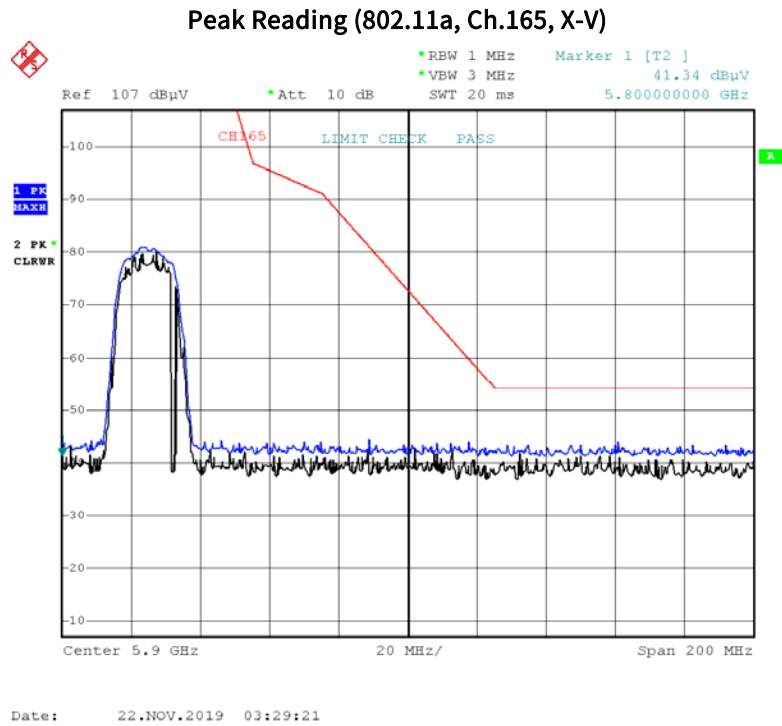
Peak Reading (802.11n_VHT40 Ch.102, X-V)



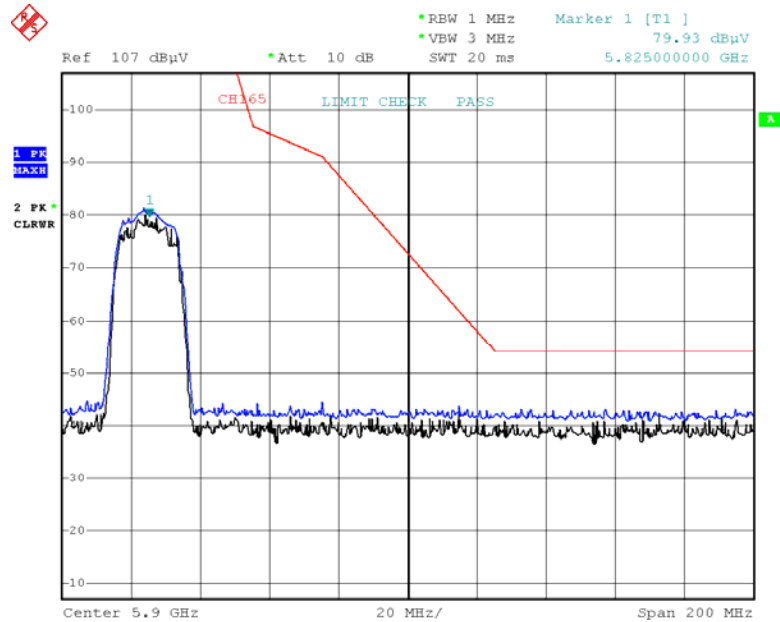
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Note : Only the worst case plots for Radiated Restricted Band Edge.

Test Plots(UNII 3)

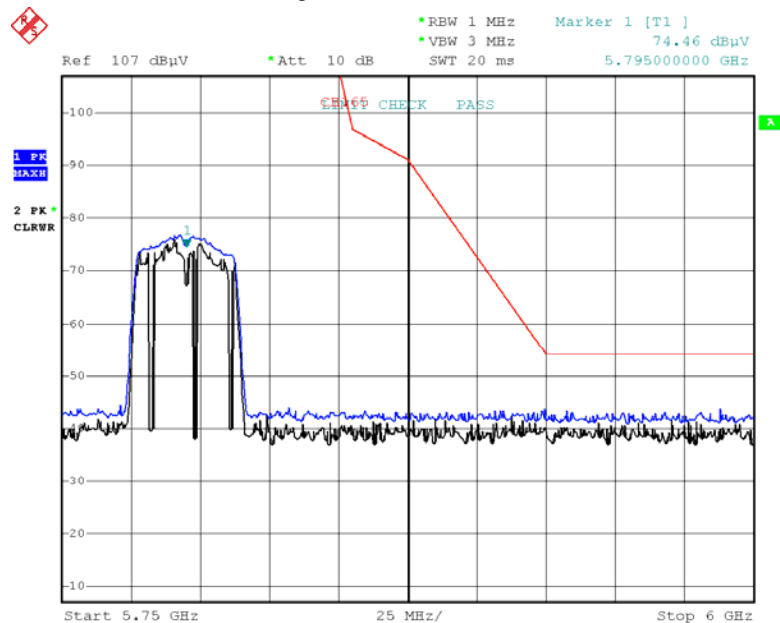


Peak Reading (802.11ac_VHT20, Ch.165, X-V)



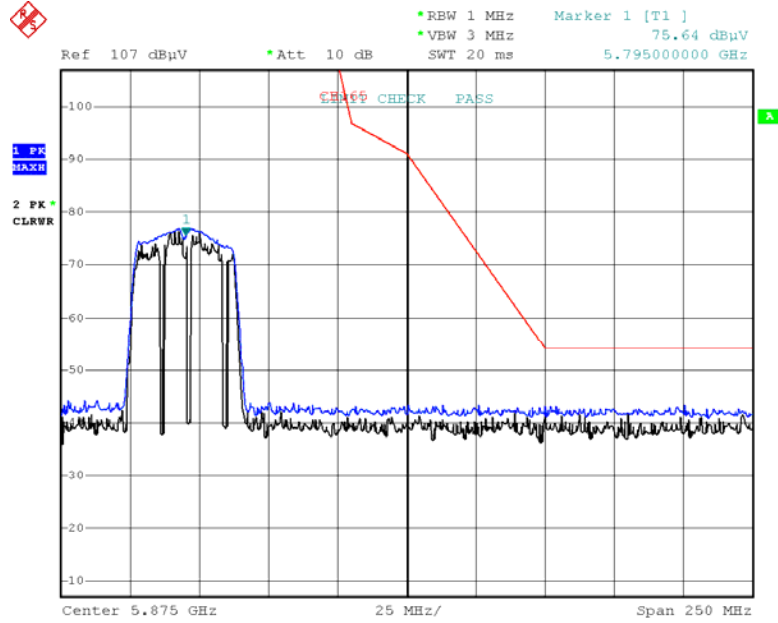
Date: 22.NOV.2019 03:34:30

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



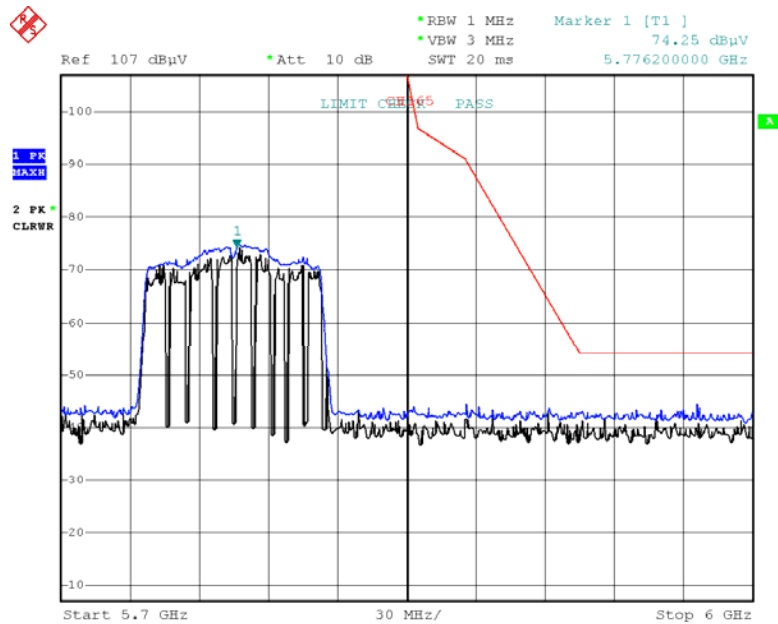
Date: 22.NOV.2019 03:36:12

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



Date: 22.NOV.2019 03:41:43

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



Date: 22.NOV.2019 03:42:58

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
ESPAC	SU-642 / Temperature Chamber	03/12/2019	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	01/10/2019	Annual	MY49431210
Rohde & Schwarz	OSP 120 / Power Measurement Set	07/24/2019	Annual	101231
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

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	01/18/2019	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/31/2018	Biennial	00895
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	WHKX10-2700-3000-18000-40SS / High Pass Filter	01/03/2019	Annual	4
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	01/03/2019	Annual	5
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	01/03/2019	Annual	2
Api tech.	18B-03 / Attenuator (3 dB)	06/04/2019	Annual	2
WEINSCHL	56-10 / Attenuator(10 dB)	10/08/2019	Annual	72316
CERNEX	CBLU1183540B-01/Broadband Bench Top LNA	01/03/2019	Annual	28549
CERNEX	CBL06185030 / Broadband Low Noise Amplifier	01/03/2019	Annual	24615
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	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.

12. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-1912-FI017-P