

### 10.7.2 6dB Bandwidth

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11a	UNII 3	5720	144	5728.24	3.17	> 0.5
802.11n(HT20)				5728.88	3.80	> 0.5
802.11ac(VHT20)				5728.88	3.79	> 0.5

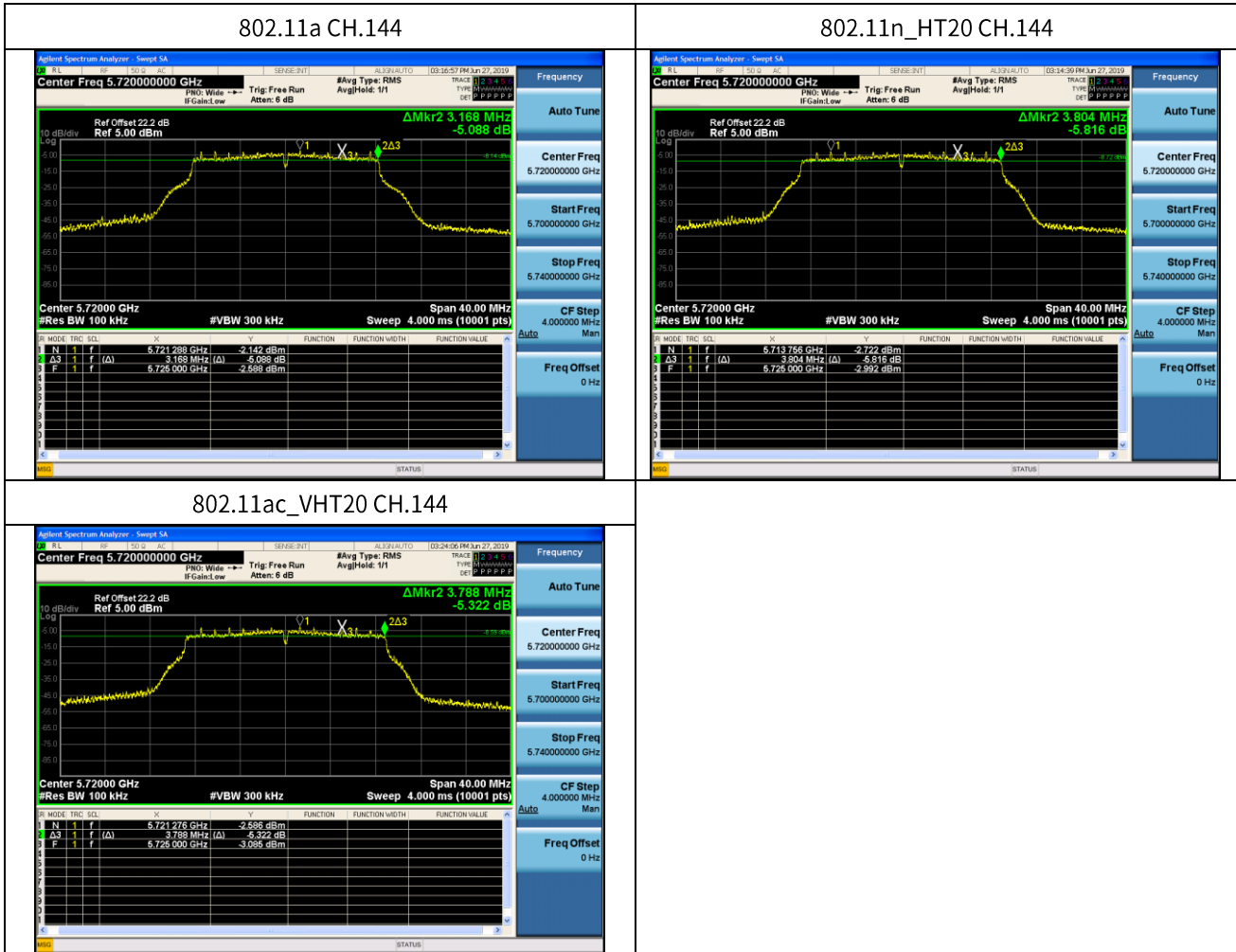
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5728.26	3.14	> 0.5
802.11ac(VHT40)				5728.26	2.76	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5728.31	2.79	> 0.5

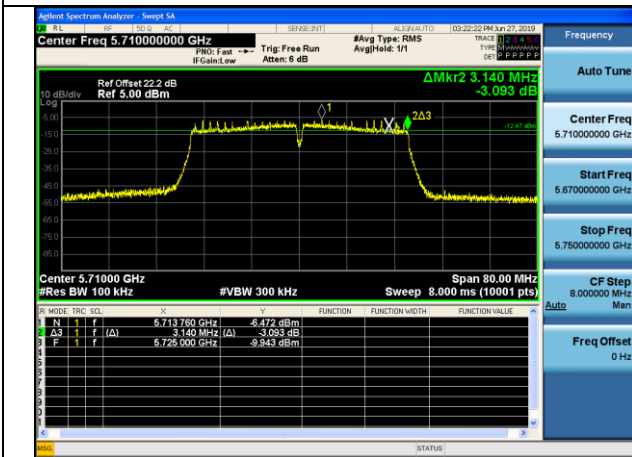
**Note:**

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

■ Test Plots (UNII 3 Band 6dB Bandwidth)



802.11n\_HT40 CH.142



802.11ac\_VHT40 CH.142



802.11ac\_VHT80 CH.138



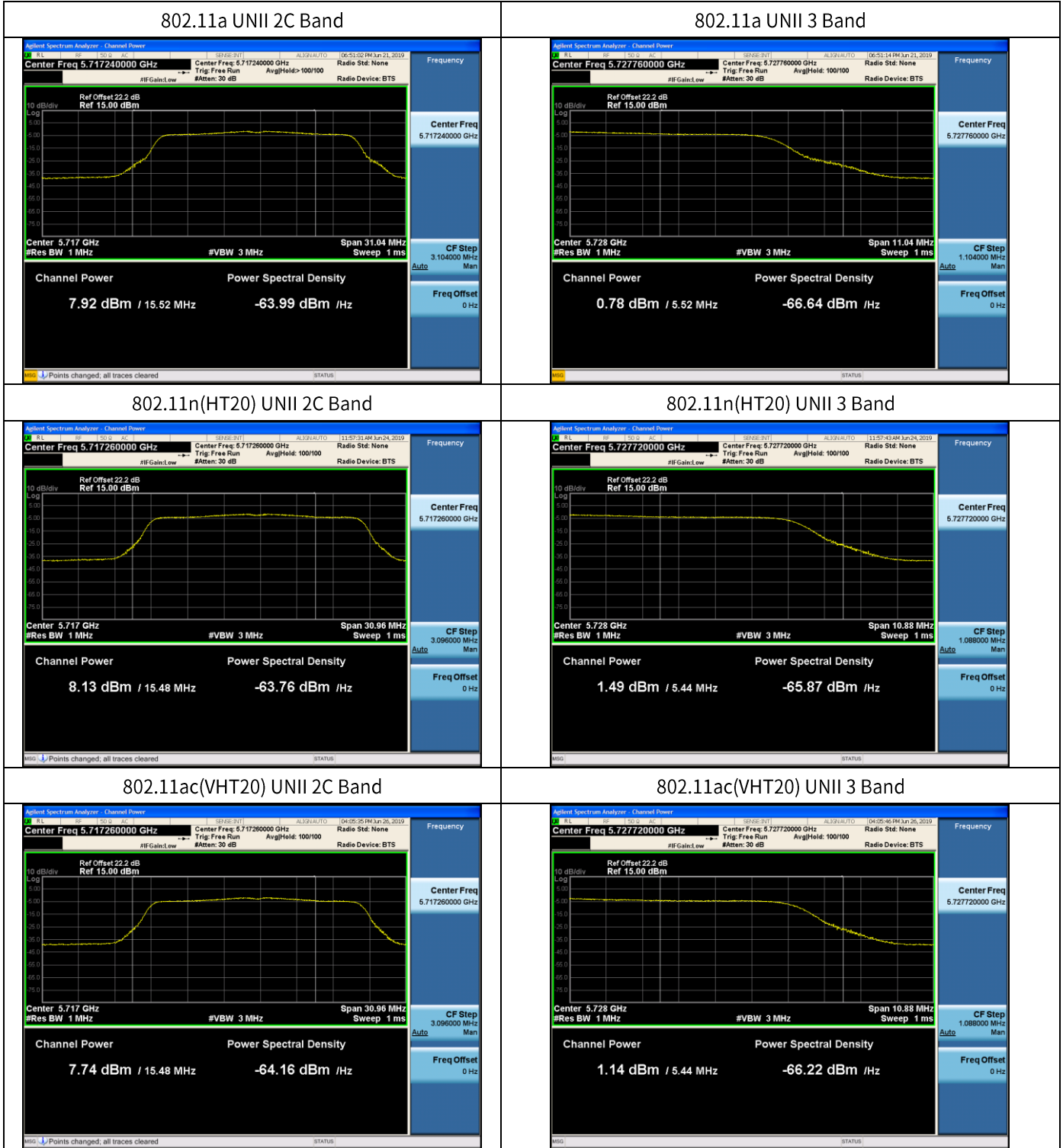
### 10.7.3 Output Power

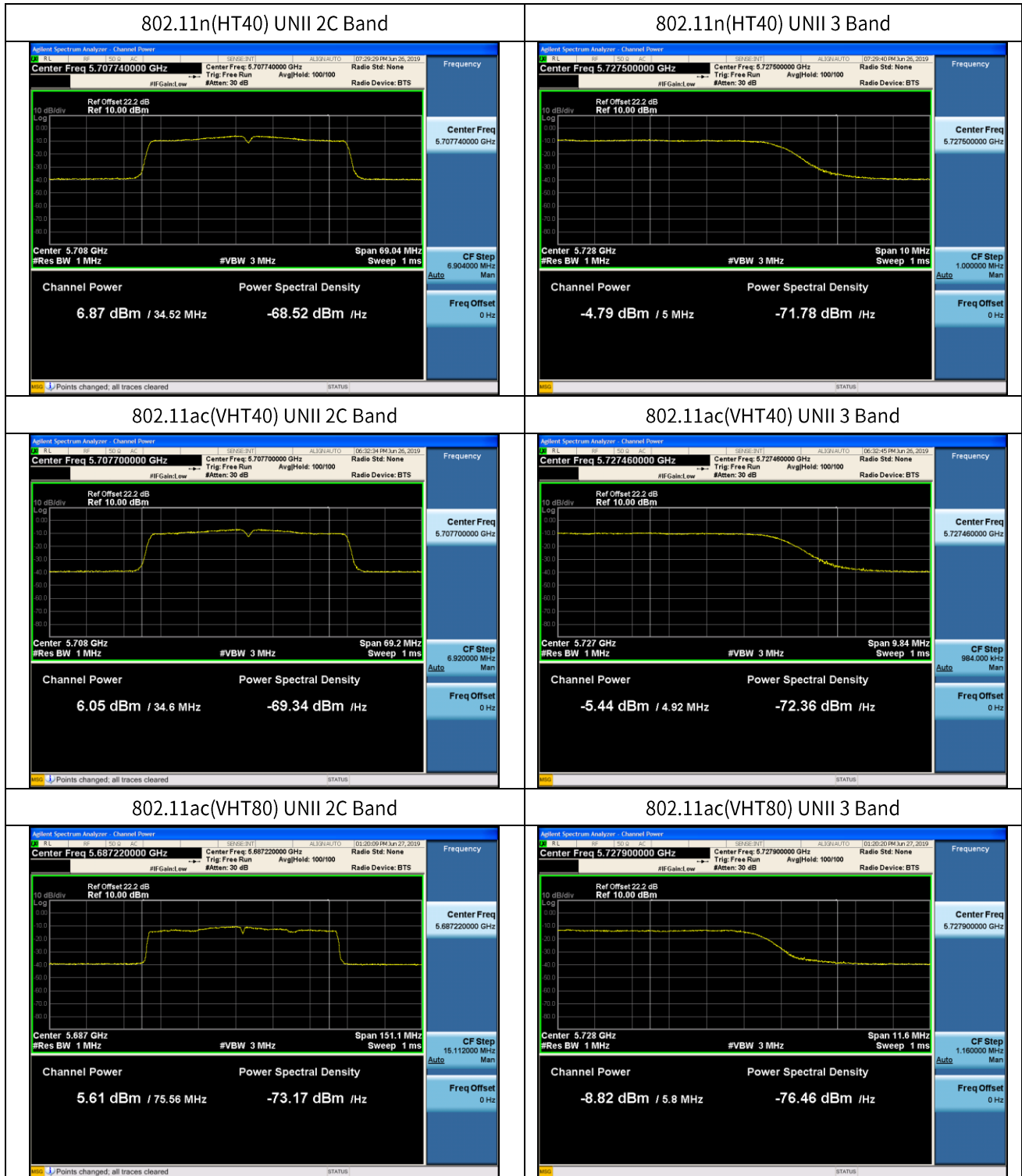
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720	144	7.92	0.205	8.12	24.23
802.11n(HT20)	(UNII 2C Band)		8.13	0.224	8.35	24.21
802.11ac(VHT20)			7.74	0.430	8.17	24.21
802.11a	5720	144	0.78	0.205	0.98	30.00
802.11n(HT20)	(UNII 3 Band)		1.49	0.224	1.71	30.00
802.11ac(VHT20)			1.14	0.430	1.57	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710	142	6.87	0.799	7.67	26.97
802.11ac(VHT40)	(UNII 2C Band)		6.05	1.107	7.16	26.97
802.11n(HT40)	5710	142	-4.79	0.799	-3.99	30.00
802.11ac(VHT40)	(UNII 3 Band)		-5.44	1.107	-4.33	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	5.61	1.470	7.08	30.00
	5690 (UNII 3 Band)	138	-8.82	1.470	-7.35	30.00

## Test Plots





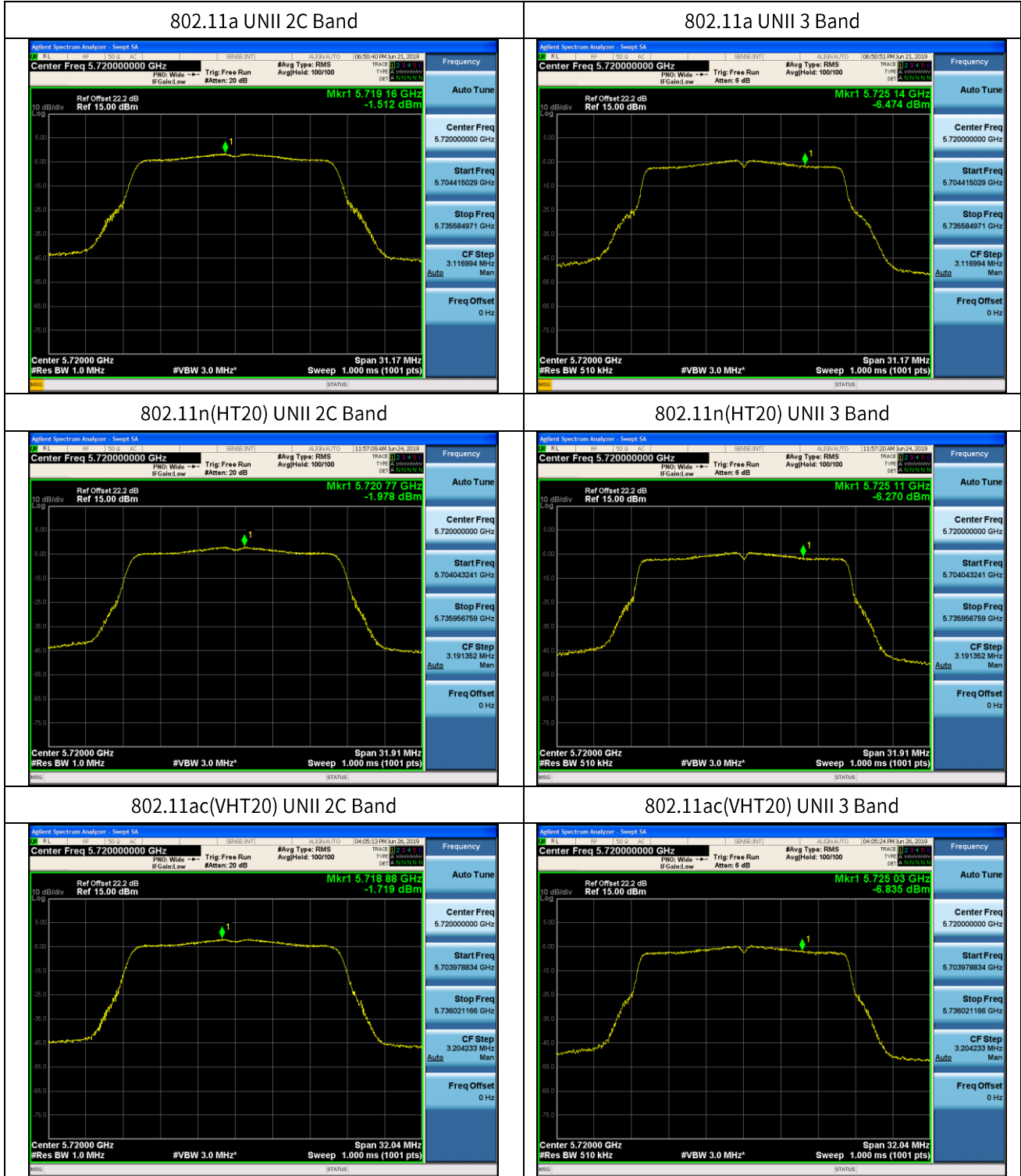
### 10.7.4 Power Spectral Density

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	-1.512	0.205	-1.307	11.00
802.11n(HT20)			-1.978	0.224	-1.754	11.00
802.11ac(VHT20)			-1.719	0.430	-1.289	11.00
802.11a	5720 (UNII 3 Band)	144	-6.474	0.205	-6.269	30.00
802.11n(HT20)			-6.270	0.224	-6.046	30.00
802.11ac(VHT20)			-6.835	0.430	-6.405	30.00

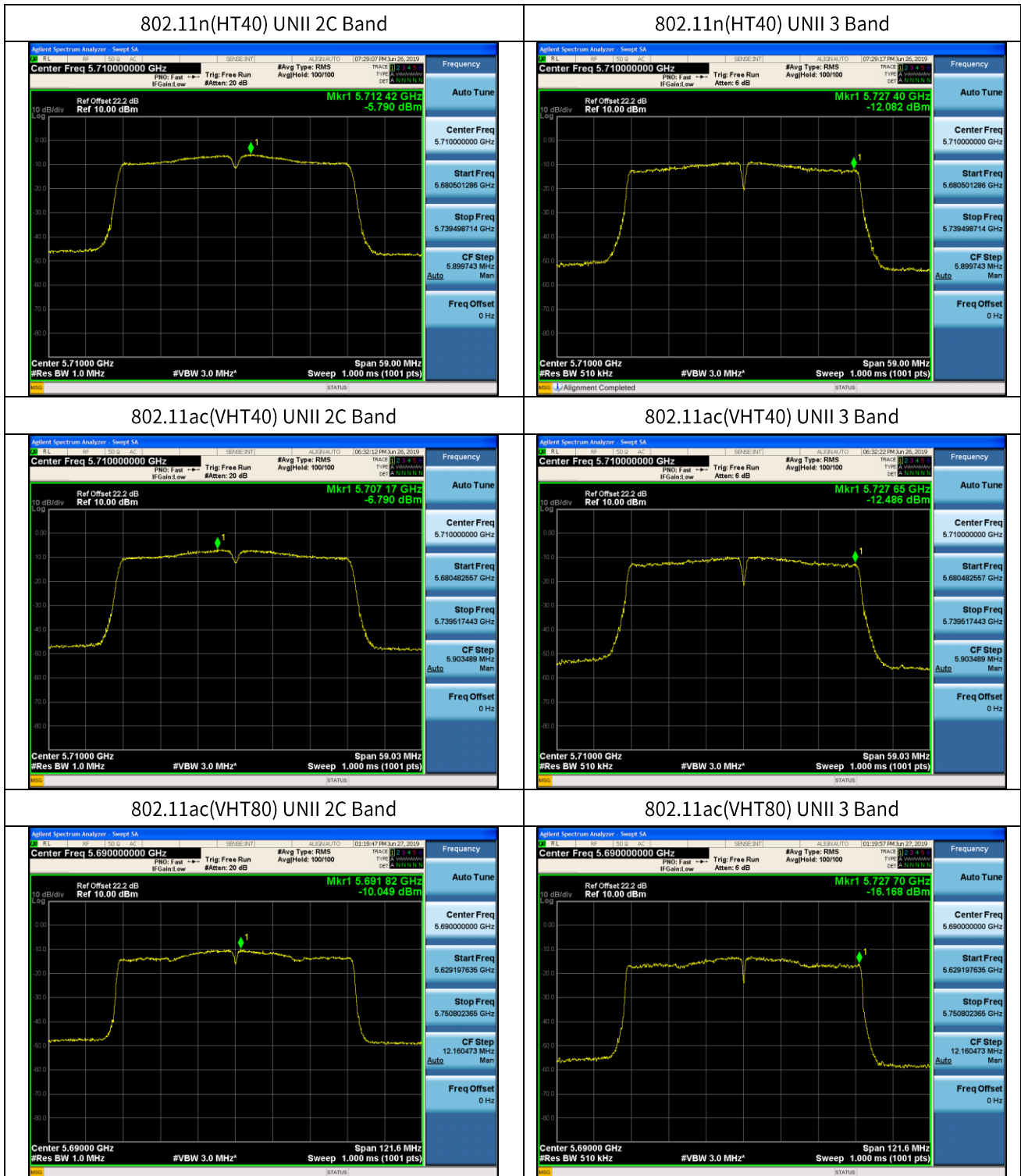
Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	-5.790	0.799	-4.991	11.00
802.11ac(VHT40)			-6.790	1.107	-5.683	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-12.082	0.799	-11.283	30.00
802.11ac(VHT40)			-12.486	1.107	-11.379	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	1.470	-8.579	11.00
	5690 (UNII 3 Band)	138	-16.168	1.470	-14.698	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 =  $40 \cdot \log(\text{specific distance} / \text{test distance})$  (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	48.93	4.10	V	53.03	68.20	15.17	PK
15540	48.13	5.36	V	53.49	73.98	20.49	PK
15540	33.77	5.36	V	39.13	53.98	14.85	AV
10360	48.59	4.10	H	52.69	68.20	15.51	PK
15540	48.05	5.36	H	53.41	73.98	20.57	PK
15540	33.49	5.36	H	38.85	53.98	15.13	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	48.77	3.87	V	52.64	68.20	15.56	PK
15600	48.18	4.75	V	52.93	73.98	21.05	PK
15600	34.18	4.75	V	38.93	53.98	15.05	AV
10400	48.59	3.87	H	52.46	68.20	15.74	PK
15600	48.05	4.75	H	52.80	73.98	21.18	PK
15600	34.05	4.75	H	38.80	53.98	15.18	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	49.03	4.52	V	53.55	68.20	14.65	PK
15720	47.41	3.58	V	50.99	73.98	22.99	PK
15720	34.28	3.58	V	37.86	53.98	16.12	AV
10480	48.92	4.52	H	53.44	68.20	14.76	PK
15720	47.39	3.58	H	50.97	73.98	23.01	PK
15720	34.11	3.58	H	37.69	53.98	16.29	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	48.76	4.10	V	52.86	68.20	15.34	PK
15540	48.12	5.36	V	53.48	73.98	20.50	PK
15540	33.56	5.36	V	38.92	53.98	15.06	AV
10360	48.86	4.10	H	52.96	68.20	15.24	PK
15540	48.23	5.36	H	53.59	73.98	20.39	PK
15540	33.76	5.36	H	39.12	53.98	14.86	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	48.69	3.87	V	52.56	68.20	15.64	PK
15600	48.11	4.75	V	52.86	73.98	21.12	PK
15600	34.18	4.75	V	38.93	53.98	15.05	AV
10400	48.91	3.87	H	52.78	68.20	15.42	PK
15600	48.23	4.75	H	52.98	73.98	21.00	PK
15600	34.22	4.75	H	38.97	53.98	15.01	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	49.05	4.52	V	53.57	68.20	14.63	PK
15720	47.36	3.58	V	50.94	73.98	23.04	PK
15720	34.18	3.58	V	37.76	53.98	16.22	AV
10480	49.10	4.52	H	53.62	68.20	14.58	PK
15720	47.50	3.58	H	51.08	73.98	22.90	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	48.68	4.10	V	52.78	68.20	15.42	PK
15540	48.05	5.36	V	53.41	73.98	20.57	PK
15540	33.68	5.36	V	39.04	53.98	14.94	AV
10360	48.77	4.10	H	52.87	68.20	15.33	PK
15540	48.12	5.36	H	53.48	73.98	20.50	PK
15540	33.75	5.36	H	39.11	53.98	14.87	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	48.51	3.87	V	52.38	68.20	15.82	PK
15600	48.28	4.75	V	53.03	73.98	20.95	PK
15600	34.05	4.75	V	38.80	53.98	15.18	AV
10400	48.58	3.87	H	52.45	68.20	15.75	PK
15600	48.31	4.75	H	53.06	73.98	20.92	PK
15600	34.18	4.75	H	38.93	53.98	15.05	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	48.87	4.52	V	53.39	68.20	14.81	PK
15720	47.35	3.58	V	50.93	73.98	23.05	PK
15720	34.11	3.58	V	37.69	53.98	16.29	AV
10480	48.94	4.52	H	53.46	68.20	14.74	PK
15720	47.48	3.58	H	51.06	73.98	22.92	PK
15720	34.28	3.58	H	37.86	53.98	16.12	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	48.51	4.09	V	52.60	68.20	15.60	PK
15570	47.95	4.73	V	52.68	73.98	21.30	PK
15570	33.68	4.73	V	38.41	53.98	15.57	AV
10380	48.69	4.09	H	52.78	68.20	15.42	PK
15570	48.09	4.73	H	52.82	73.98	21.16	PK
15570	33.72	4.73	H	38.45	53.98	15.53	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	48.55	4.54	V	53.09	68.20	15.11	PK
15690	48.26	3.69	V	51.95	73.98	22.03	PK
15690	34.86	3.69	V	38.55	53.98	15.43	AV
10460	48.61	4.54	H	53.15	68.20	15.05	PK
15690	48.45	3.69	H	52.14	73.98	21.84	PK
15690	34.87	3.69	H	38.56	53.98	15.42	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	48.55	4.09	V	52.64	68.20	15.56	PK
15570	48.02	4.73	V	52.75	73.98	21.23	PK
15570	33.58	4.73	V	38.31	53.98	15.67	AV
10380	48.58	4.09	H	52.67	68.20	15.53	PK
15570	48.10	4.73	H	52.83	73.98	21.15	PK
15570	33.66	4.73	H	38.39	53.98	15.59	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	48.56	4.54	V	53.10	68.20	15.10	PK
15690	48.17	3.69	V	51.86	73.98	22.12	PK
15690	34.52	3.69	V	38.21	53.98	15.77	AV
10460	48.57	4.54	H	53.11	68.20	15.09	PK
15690	48.39	3.69	H	52.08	73.98	21.90	PK
15690	34.65	3.69	H	38.34	53.98	15.64	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	47.91	3.79	V	51.70	68.20	16.50	PK
15630	48.55	4.02	V	52.57	73.98	21.41	PK
15630	36.94	4.02	V	40.96	53.98	13.02	AV
10420	48.04	3.79	H	51.83	68.20	16.37	PK
15630	48.64	4.02	H	52.66	73.98	21.32	PK
15630	37.00	4.02	H	41.02	53.98	12.96	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	49.12	4.70	V	53.82	68.20	14.38	PK
15780	47.06	3.76	V	50.82	73.98	23.16	PK
15780	33.49	3.76	V	37.25	53.98	16.73	AV
10520	49.20	4.70	H	53.90	68.20	14.30	PK
15780	47.18	3.76	H	50.94	73.98	23.04	PK
15780	33.84	3.76	H	37.60	53.98	16.38	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	48.52	4.27	V	52.79	73.98	21.19	PK
10600	35.58	4.27	V	39.85	53.98	14.13	AV
15900	47.16	4.58	V	51.74	73.98	22.24	PK
15900	33.41	4.58	V	37.99	53.98	15.99	AV
10600	48.63	4.27	H	52.90	73.98	21.08	PK
10600	35.61	4.27	H	39.88	53.98	14.10	AV
15900	47.55	4.58	H	52.13	73.98	21.85	PK
15900	33.57	4.58	H	38.15	53.98	15.83	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	48.47	4.40	V	52.87	73.98	21.11	PK
10640	34.98	4.40	V	39.38	53.98	14.60	AV
15960	48.05	4.03	V	52.08	73.98	21.90	PK
15960	33.39	4.03	V	37.42	53.98	16.56	AV
10640	48.69	4.40	H	53.09	73.98	20.89	PK
10640	35.44	4.40	H	39.84	53.98	14.14	AV
15960	48.06	4.03	H	52.09	73.98	21.89	PK
15960	33.71	4.03	H	37.74	53.98	16.24	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	48.93	4.70	V	53.63	68.20	14.57	PK
15780	47.15	3.76	V	50.91	73.98	23.07	PK
15780	33.58	3.76	V	37.34	53.98	16.64	AV
10520	49.14	4.70	H	53.84	68.20	14.36	PK
15780	47.22	3.76	H	50.98	73.98	23.00	PK
15780	33.79	3.76	H	37.55	53.98	16.43	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	48.61	4.27	V	52.88	73.98	21.10	PK
10600	35.45	4.27	V	39.72	53.98	14.26	AV
15900	47.28	4.58	V	51.86	73.98	22.12	PK
15900	33.36	4.58	V	37.94	53.98	16.04	AV
10600	48.69	4.27	H	52.96	73.98	21.02	PK
10600	35.58	4.27	H	39.85	53.98	14.13	AV
15900	47.60	4.58	H	52.18	73.98	21.80	PK
15900	33.52	4.58	H	38.10	53.98	15.88	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	48.35	4.40	V	52.75	73.98	21.23	PK
10640	35.28	4.40	V	39.68	53.98	14.30	AV
15960	48.05	4.03	V	52.08	73.98	21.90	PK
15960	33.48	4.03	V	37.51	53.98	16.47	AV
10640	48.58	4.40	H	52.98	73.98	21.00	PK
10640	35.39	4.40	H	39.79	53.98	14.19	AV
15960	48.10	4.03	H	52.13	73.98	21.85	PK
15960	33.68	4.03	H	37.71	53.98	16.27	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	48.76	4.70	V	53.46	68.20	14.74	PK
15780	47.11	3.76	V	50.87	73.98	23.11	PK
15780	33.65	3.76	V	37.41	53.98	16.57	AV
10520	48.91	4.70	H	53.61	68.20	14.59	PK
15780	47.17	3.76	H	50.93	73.98	23.05	PK
15780	33.76	3.76	H	37.52	53.98	16.46	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	48.22	4.27	V	52.49	73.98	21.49	PK
10600	34.95	4.27	V	39.22	53.98	14.76	AV
15900	47.61	4.58	V	52.19	73.98	21.79	PK
15900	33.28	4.58	V	37.86	53.98	16.12	AV
10600	48.54	4.27	H	52.81	73.98	21.17	PK
10600	35.44	4.27	H	39.71	53.98	14.27	AV
15900	47.71	4.58	H	52.29	73.98	21.69	PK
15900	33.47	4.58	H	38.05	53.98	15.93	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	48.18	4.40	V	52.58	73.98	21.40	PK
10640	35.21	4.40	V	39.61	53.98	14.37	AV
15960	48.01	4.03	V	52.04	73.98	21.94	PK
15960	33.24	4.03	V	37.27	53.98	16.71	AV
10640	48.37	4.40	H	52.77	73.98	21.21	PK
10640	35.40	4.40	H	39.80	53.98	14.18	AV
15960	48.04	4.03	H	52.07	73.98	21.91	PK
15960	33.29	4.03	H	37.32	53.98	16.66	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	35.46	5.03	V	40.49	68.20	27.71	PK
15810	46.73	4.69	V	51.42	73.98	22.56	PK
15810	34.29	4.69	V	38.98	53.98	15.00	AV
10540	35.67	5.03	H	40.70	68.20	27.50	PK
15810	46.84	4.69	H	51.53	73.98	22.45	PK
15810	34.41	4.69	H	39.10	53.98	14.88	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	48.13	4.92	V	53.05	73.98	20.93	PK
10620	35.68	4.92	V	40.60	53.98	13.38	AV
15930	46.83	4.50	V	51.33	73.98	22.65	PK
15930	34.29	4.50	V	38.79	53.98	15.19	AV
10620	48.33	4.92	H	53.25	73.98	20.73	PK
10620	35.72	4.92	H	40.64	53.98	13.34	AV
15930	46.93	4.50	H	51.43	73.98	22.55	PK
15930	34.45	4.50	H	38.95	53.98	15.03	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	35.65	5.03	V	40.68	68.20	27.52	PK
15810	46.57	4.69	V	51.26	73.98	22.72	PK
15810	34.39	4.69	V	39.08	53.98	14.90	AV
10540	35.74	5.03	H	40.77	68.20	27.43	PK
15810	46.69	4.69	H	51.38	73.98	22.60	PK
15810	34.52	4.69	H	39.21	53.98	14.77	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	48.14	4.92	V	53.06	73.98	20.92	PK
10620	35.45	4.92	V	40.37	53.98	13.61	AV
15930	46.69	4.50	V	51.19	73.98	22.79	PK
15930	34.76	4.50	V	39.26	53.98	14.72	AV
10620	48.26	4.92	H	53.18	73.98	20.80	PK
10620	35.68	4.92	H	40.60	53.98	13.38	AV
15930	46.88	4.50	H	51.38	73.98	22.60	PK
15930	34.86	4.50	H	39.36	53.98	14.62	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	48.67	4.02	V	52.69	68.20	15.51	PK
15870	46.77	5.51	V	52.28	73.98	21.70	PK
15870	35.58	5.51	V	41.09	53.98	12.89	AV
10580	48.83	4.02	H	52.85	68.20	15.35	PK
15870	46.93	5.51	H	52.44	73.98	21.54	PK
15870	35.89	5.51	H	41.40	53.98	12.58	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	47.81	4.29	V	52.10	73.98	21.88	PK
11000	34.30	4.29	V	38.59	53.98	15.39	AV
16500	47.60	6.22	V	53.82	68.20	14.38	PK
11000	47.46	4.29	H	51.75	73.98	22.23	PK
11000	34.15	4.29	H	38.44	53.98	15.54	AV
16500	47.50	6.22	H	53.72	68.20	14.48	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	49.08	4.28	V	53.36	73.98	20.62	PK
11160	34.92	4.28	V	39.20	53.98	14.78	AV
16740	45.67	7.73	V	53.40	68.20	14.80	PK
11160	48.88	4.28	H	53.16	73.98	20.82	PK
11160	34.81	4.28	H	39.09	53.98	14.89	AV
16740	45.61	7.73	H	53.34	68.20	14.86	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	49.00	4.38	V	53.38	73.98	20.60	PK
11440	34.46	4.38	V	38.84	53.98	15.14	AV
17160	47.19	8.77	V	55.96	68.20	12.24	PK
11440	48.84	4.38	H	53.22	73.98	20.76	PK
11440	34.39	4.38	H	38.77	53.98	15.21	AV
17160	47.05	8.77	H	55.82	68.20	12.38	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	47.69	4.29	V	51.98	73.98	22.00	PK
11000	34.11	4.29	V	38.40	53.98	15.58	AV
16500	47.25	6.22	V	53.47	68.20	14.73	PK
11000	47.99	4.29	H	52.28	73.98	21.70	PK
11000	34.23	4.29	H	38.52	53.98	15.46	AV
16500	47.31	6.22	H	53.53	68.20	14.67	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	48.94	4.28	V	53.22	73.98	20.76	PK
11160	34.55	4.28	V	38.83	53.98	15.15	AV
16740	45.81	7.73	V	53.54	68.20	14.66	PK
11160	49.10	4.28	H	53.38	73.98	20.60	PK
11160	34.91	4.28	H	39.19	53.98	14.79	AV
16740	45.96	7.73	H	53.69	68.20	14.51	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	48.88	4.38	V	53.26	73.98	20.72	PK
11440	34.28	4.38	V	38.66	53.98	15.32	AV
17160	47.01	8.77	V	55.78	68.20	12.42	PK
11440	48.90	4.38	H	53.28	73.98	20.70	PK
11440	34.39	4.38	H	38.77	53.98	15.21	AV
17160	47.06	8.77	H	55.83	68.20	12.37	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	47.69	4.29	V	51.98	73.98	22.00	PK
11000	34.18	4.29	V	38.47	53.98	15.51	AV
16500	47.07	6.22	V	53.29	68.20	14.91	PK
11000	47.80	4.29	H	52.09	73.98	21.89	PK
11000	34.21	4.29	H	38.50	53.98	15.48	AV
16500	47.23	6.22	H	53.45	68.20	14.75	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	48.87	4.28	V	53.15	73.98	20.83	PK
11160	34.71	4.28	V	38.99	53.98	14.99	AV
16740	45.39	7.73	V	53.12	68.20	15.08	PK
11160	49.05	4.28	H	53.33	73.98	20.65	PK
11160	34.79	4.28	H	39.07	53.98	14.91	AV
16740	45.84	7.73	H	53.57	68.20	14.63	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	48.69	4.38	V	53.07	73.98	20.91	PK
11440	34.52	4.38	V	38.90	53.98	15.08	AV
17160	47.77	8.77	V	56.54	68.20	11.66	PK
11440	48.78	4.38	H	53.16	73.98	20.82	PK
11440	34.55	4.38	H	38.93	53.98	15.05	AV
17160	48.06	8.77	H	56.83	68.20	11.37	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	47.54	4.58	V	52.12	73.98	21.86	PK
11020	34.18	4.58	V	38.76	53.98	15.22	AV
16530	47.21	6.22	V	53.43	68.20	14.77	PK
11020	47.73	4.58	H	52.31	73.98	21.67	PK
11020	34.26	4.58	H	38.84	53.98	15.14	AV
16530	47.33	6.22	H	53.55	68.20	14.65	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	48.96	5.04	V	54.00	73.98	19.98	PK
11100	34.69	5.04	V	39.73	53.98	14.25	AV
16650	45.66	7.21	V	52.87	68.20	15.33	PK
11100	49.06	5.04	H	54.10	73.98	19.88	PK
11100	34.81	5.04	H	39.85	53.98	14.13	AV
16650	45.76	7.21	H	52.97	68.20	15.23	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	48.74	4.11	V	52.85	73.98	21.13	PK
11420	34.38	4.11	V	38.49	53.98	15.49	AV
17130	47.86	7.70	V	55.56	68.20	12.64	PK
11420	48.83	4.11	H	52.94	73.98	21.04	PK
11420	34.49	4.11	H	38.60	53.98	15.38	AV
17130	48.10	7.70	H	55.80	68.20	12.40	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	47.51	4.58	V	52.09	73.98	21.89	PK
11020	34.18	4.58	V	38.76	53.98	15.22	AV
16530	47.06	6.22	V	53.28	68.20	14.92	PK
11020	47.59	4.58	H	52.17	73.98	21.81	PK
11020	34.21	4.58	H	38.79	53.98	15.19	AV
16530	47.12	6.22	H	53.34	68.20	14.86	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	48.68	5.04	V	53.72	73.98	20.26	PK
11100	34.56	5.04	V	39.60	53.98	14.38	AV
16650	45.76	7.21	V	52.97	68.20	15.23	PK
11100	48.86	5.04	H	53.90	73.98	20.08	PK
11100	34.73	5.04	H	39.77	53.98	14.21	AV
16650	45.91	7.21	H	53.12	68.20	15.08	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	48.58	4.11	V	52.69	73.98	21.29	PK
11420	34.36	4.11	V	38.47	53.98	15.51	AV
17130	47.96	7.70	V	55.66	68.20	12.54	PK
11420	48.73	4.11	H	52.84	73.98	21.14	PK
11420	34.50	4.11	H	38.61	53.98	15.37	AV
17130	48.06	7.70	H	55.76	68.20	12.44	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	48.31	4.97	V	53.28	73.98	20.70	PK
11060	34.56	4.97	V	39.53	53.98	14.45	AV
16590	47.56	6.79	V	54.35	68.20	13.85	PK
11060	48.48	4.97	H	53.45	73.98	20.53	PK
11060	34.86	4.97	H	39.83	53.98	14.15	AV
16590	47.60	6.79	H	54.39	68.20	13.81	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	48.13	4.20	V	52.33	73.98	21.65	PK
11380	34.86	4.20	V	39.06	53.98	14.92	AV
17070	46.18	8.73	V	54.91	68.20	13.29	PK
11380	48.24	4.20	H	52.44	73.98	21.54	PK
11380	35.01	4.20	H	39.21	53.98	14.77	AV
17070	46.21	8.73	H	54.94	68.20	13.26	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	47.56	4.19	V	51.75	73.98	22.23	PK
11490	34.22	4.19	V	38.41	53.98	15.57	AV
17235	51.36	9.09	V	60.45	68.20	7.75	PK
11490	47.70	4.19	H	51.89	73.98	22.09	PK
11490	34.48	4.19	H	38.67	53.98	15.31	AV
17235	51.62	9.09	H	60.71	68.20	7.49	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	47.12	4.83	V	51.95	73.98	22.03	PK
11570	34.55	4.83	V	39.38	53.98	14.60	AV
17355	50.05	9.81	V	59.86	68.20	8.34	PK
11570	47.33	4.83	H	52.16	73.98	21.82	PK
11570	34.61	4.83	H	39.44	53.98	14.54	AV
17355	50.12	9.81	H	59.93	68.20	8.27	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	49.22	3.70	V	52.92	73.98	21.06	PK
11650	38.16	3.70	V	41.86	53.98	12.12	AV
17475	47.56	10.25	V	57.81	68.20	10.39	PK
11650	49.34	3.70	H	53.04	73.98	20.94	PK
11650	38.34	3.70	H	42.04	53.98	11.94	AV
17475	47.70	10.25	H	57.95	68.20	10.25	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	47.56	4.19	V	51.75	73.98	22.23	PK
11490	34.28	4.19	V	38.47	53.98	15.51	AV
17235	52.44	9.09	V	61.53	68.20	6.67	PK
11490	47.90	4.19	H	52.09	73.98	21.89	PK
11490	34.43	4.19	H	38.62	53.98	15.36	AV
17235	52.83	9.09	H	61.92	68.20	6.28	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	46.89	4.83	V	51.72	73.98	22.26	PK
11570	34.58	4.83	V	39.41	53.98	14.57	AV
17355	50.10	9.81	V	59.91	68.20	8.29	PK
11570	47.21	4.83	H	52.04	73.98	21.94	PK
11570	34.70	4.83	H	39.53	53.98	14.45	AV
17355	50.55	9.81	H	60.36	68.20	7.84	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	49.69	3.70	V	53.39	73.98	20.59	PK
11650	38.75	3.70	V	42.45	53.98	11.53	AV
17475	47.58	10.25	V	57.83	68.20	10.37	PK
11650	50.10	3.70	H	53.80	73.98	20.18	PK
11650	38.89	3.70	H	42.59	53.98	11.39	AV
17475	47.93	10.25	H	58.18	68.20	10.02	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	47.86	4.19	V	52.05	73.98	21.93	PK
11490	34.48	4.19	V	38.67	53.98	15.31	AV
17235	53.74	9.09	V	62.83	68.20	5.37	PK
11490	48.00	4.19	H	52.19	73.98	21.79	PK
11490	34.53	4.19	H	38.72	53.98	15.26	AV
17235	53.90	9.09	H	62.99	68.20	5.21	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	47.12	4.83	V	51.95	73.98	22.03	PK
11570	34.69	4.83	V	39.52	53.98	14.46	AV
17355	50.58	9.81	V	60.39	68.20	7.81	PK
11570	47.19	4.83	H	52.02	73.98	21.96	PK
11570	34.98	4.83	H	39.81	53.98	14.17	AV
17355	50.84	9.81	H	60.65	68.20	7.55	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	49.58	3.70	V	53.28	73.98	20.70	PK
11650	38.57	3.70	V	42.27	53.98	11.71	AV
17475	47.80	10.25	V	58.05	68.20	10.15	PK
11650	49.91	3.70	H	53.61	73.98	20.37	PK
11650	38.71	3.70	H	42.41	53.98	11.57	AV
17475	47.84	10.25	H	58.09	68.20	10.11	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	35.16	4.20	V	39.36	53.98	14.62	AV
17265	47.21	9.64	V	56.85	68.20	11.35	PK
11510	48.15	4.20	H	52.35	73.98	21.63	PK
11510	35.32	4.20	H	39.52	53.98	14.46	AV
17265	47.27	9.64	H	56.91	68.20	11.29	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	48.16	4.91	V	53.07	73.98	20.91	PK
11590	35.18	4.91	V	40.09	53.98	13.89	AV
17385	47.75	10.20	V	57.95	68.20	10.25	PK
11590	48.28	4.91	H	53.19	73.98	20.79	PK
11590	35.20	4.91	H	40.11	53.98	13.87	AV
17385	47.79	10.20	H	57.99	68.20	10.21	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	48.44	4.20	V	52.64	73.98	21.34	PK
11510	34.96	4.20	V	39.16	53.98	14.82	AV
17265	47.21	9.64	V	56.85	68.20	11.35	PK
11510	48.48	4.20	H	52.68	73.98	21.30	PK
11510	35.07	4.20	H	39.27	53.98	14.71	AV
17265	47.34	9.64	H	56.98	68.20	11.22	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	47.55	4.91	V	52.46	73.98	21.52	PK
11590	34.98	4.91	V	39.89	53.98	14.09	AV
17385	47.49	10.20	V	57.69	68.20	10.51	PK
11590	47.60	4.91	H	52.51	73.98	21.47	PK
11590	35.01	4.91	H	39.92	53.98	14.06	AV
17385	47.81	10.20	H	58.01	68.20	10.19	PK

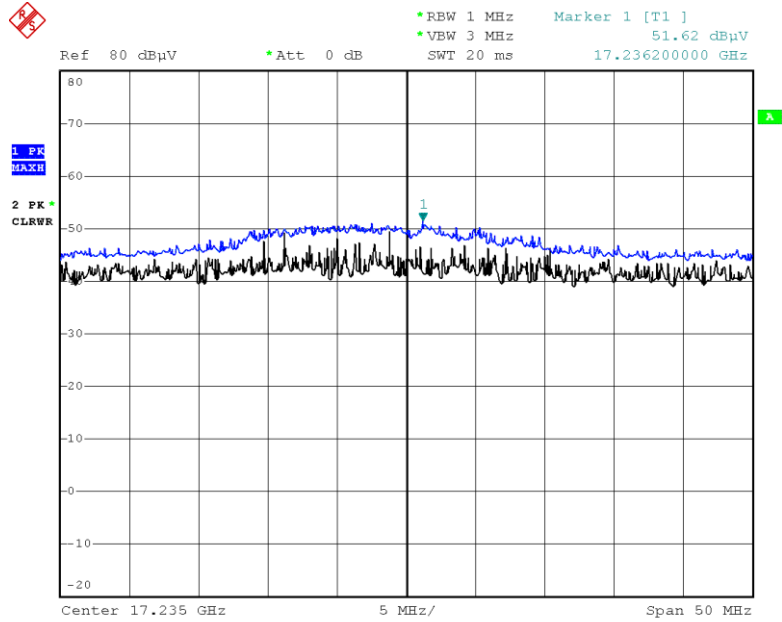
Band : UNII 3  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency: 5775 MHz  
 Channel No. 155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11550	48.14	4.50	V	52.64	73.98	21.34	PK
11550	36.55	4.50	V	41.05	53.98	12.93	AV
17325	46.79	10.22	V	57.01	68.20	11.19	PK
11550	48.29	3.32	H	51.61	73.98	22.37	PK
11550	36.63	3.32	H	39.95	53.98	14.03	AV
17325	46.98	10.22	H	57.20	68.20	11.00	PK



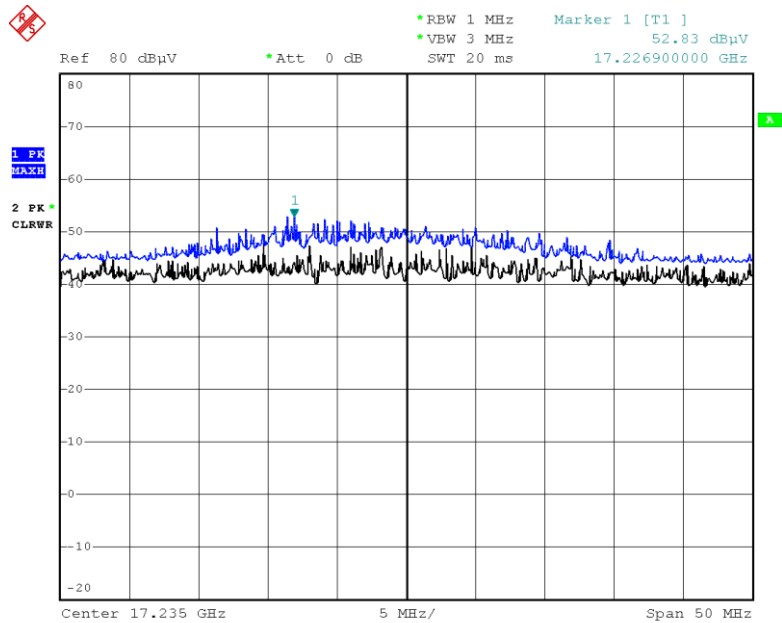
### Test Plots

#### Peak Reading (802.11a, Ch.149 3rd Harmonic, H)



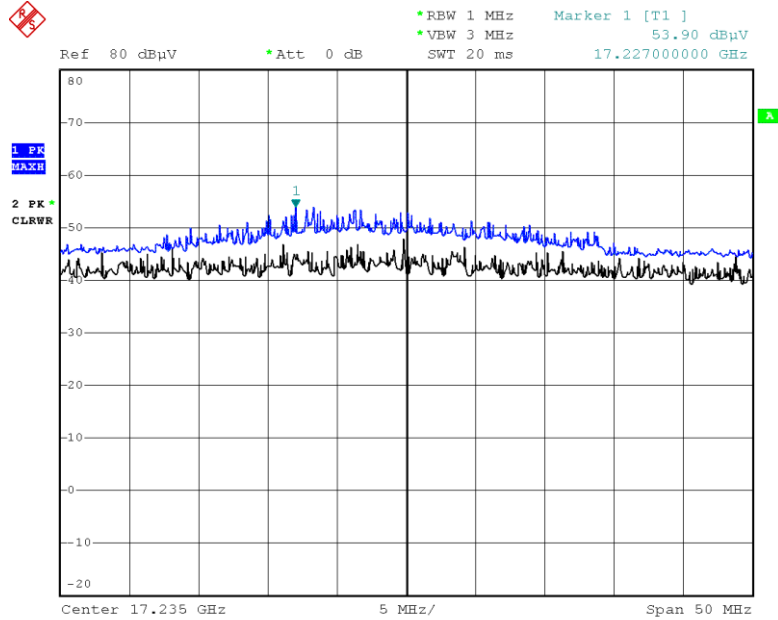
Date: 27.JUN.2019 10:39:12

#### Peak Reading (802.11n, Ch.149 3rd Harmonic, H)



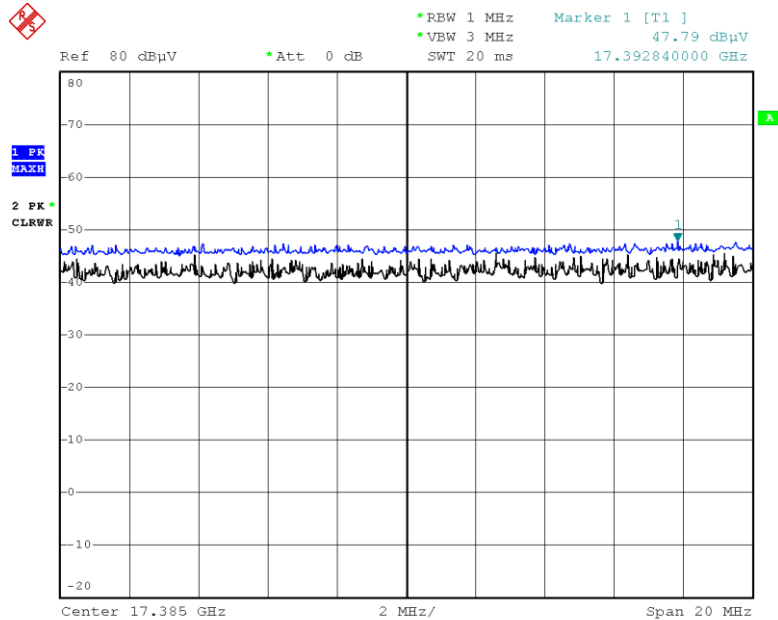
Date: 28.JUN.2019 08:17:52

### Peak Reading (802.11ac, Ch.149 3rd Harmonic, H)



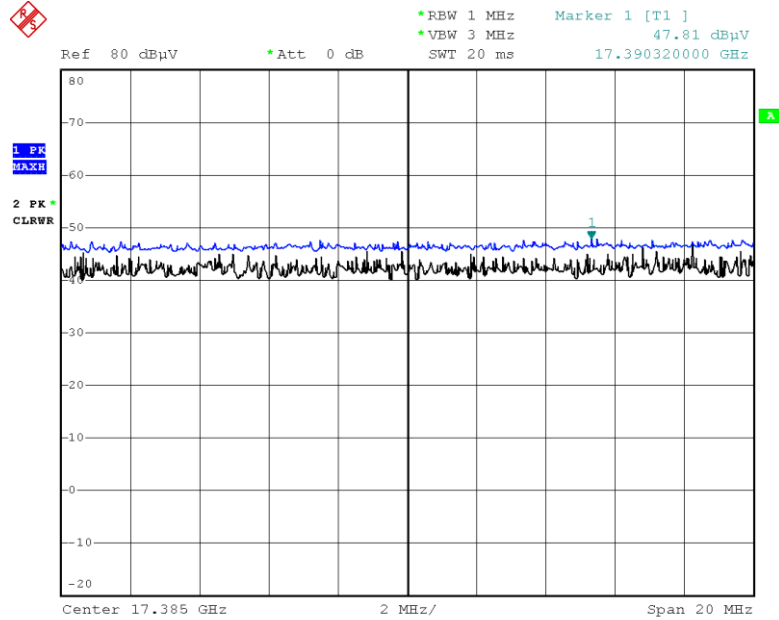
Date: 28.JUN.2019 08:19:32

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



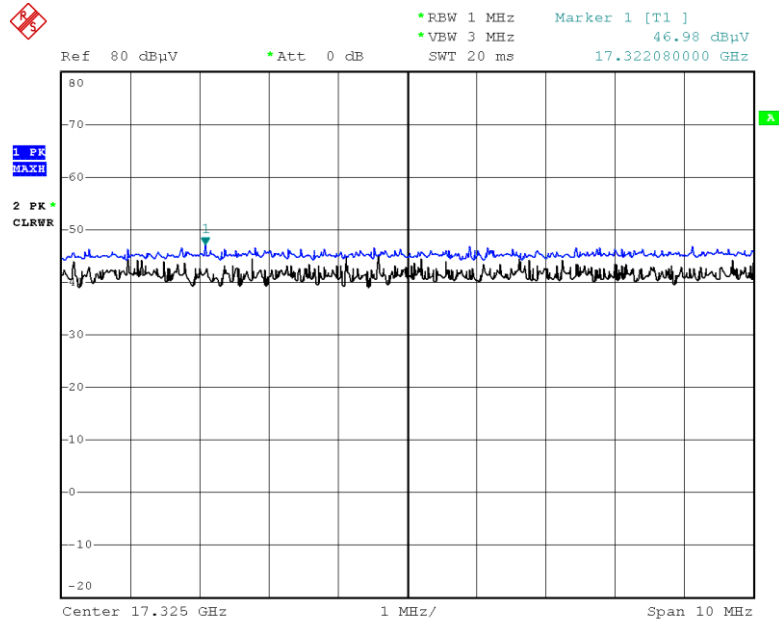
Date: 28.JUN.2019 08:23:22

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



Date: 28.JUN.2019 08:25:32

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



Date: 28.JUN.2019 08:28:08

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	43.55	11.06	H	54.61	73.98	19.37	PK
5150	30.73	11.06	H	41.79	53.98	12.19	AV
5150	43.88	11.06	V	54.94	73.98	19.04	PK
5150	30.84	11.06	V	41.9	53.98	12.08	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	43.22	11.06	H	54.28	73.98	19.70	PK
5150	30.54	11.06	H	41.6	53.98	12.38	AV
5150	43.36	11.06	V	54.42	73.98	19.56	PK
5150	30.64	11.06	V	41.7	53.98	12.28	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	45.39	11.06	H	56.45	73.98	17.53	PK
5150	30.18	11.06	H	41.24	53.98	12.74	AV
5150	45.76	11.06	V	56.82	73.98	17.16	PK
5150	30.33	11.06	V	41.39	53.98	12.59	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	43.55	11.06	H	54.61	73.98	19.37	PK
5150	30.29	11.06	H	41.35	53.98	12.63	AV
5150	43.61	11.06	V	54.67	73.98	19.31	PK
5150	30.46	11.06	V	41.52	53.98	12.46	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	43.33	11.06	H	54.39	73.98	19.59	PK
5150	30.47	11.06	H	41.53	53.98	12.45	AV
5150	43.44	11.06	V	54.5	73.98	19.48	PK
5150	30.55	11.06	V	41.61	53.98	12.37	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	44.05	11.06	H	55.11	73.98	18.87	PK
5150	31.89	11.06	H	42.95	53.98	11.03	AV
5150	44.15	11.06	V	55.21	73.98	18.77	PK
5150	32.06	11.06	V	43.12	53.98	10.86	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	43.15	11.86	H	55.01	73.98	18.97	PK
5350	30.18	11.86	H	42.04	53.98	11.94	AV
5350	43.29	11.86	V	55.15	73.98	18.83	PK
5350	30.20	11.86	V	42.06	53.98	11.92	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	43.38	11.86	H	55.24	73.98	18.74	PK
5350	30.11	11.86	H	41.97	53.98	12.01	AV
5350	43.59	11.86	V	55.45	73.98	18.53	PK
5350	30.23	11.86	V	42.09	53.98	11.89	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	43.18	11.86	H	55.04	73.98	18.94	PK
5350	30.11	11.86	H	41.97	53.98	12.01	AV
5350	43.22	11.86	V	55.08	73.98	18.90	PK
5350	30.14	11.86	V	42	53.98	11.98	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	42.69	11.86	H	54.55	73.98	19.43	PK
5350	30.22	11.86	H	42.08	53.98	11.90	AV
5350	42.81	11.86	V	54.67	73.98	19.31	PK
5350	30.65	11.86	V	42.51	53.98	11.47	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	43.05	11.86	H	54.91	73.98	19.07	PK
5350	30.84	11.86	H	42.7	53.98	11.28	AV
5350	43.20	11.86	V	55.06	73.98	18.92	PK
5350	31.06	11.86	V	42.92	53.98	11.06	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	43.55	11.86	H	55.41	73.98	18.57	PK
5350	31.87	11.86	H	43.73	53.98	10.25	AV
5350	43.81	11.86	V	55.67	73.98	18.31	PK
5350	32.14	11.86	V	44	53.98	9.98	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	42.69	12.24	H	54.93	73.98	19.05	PK
5460	29.58	12.24	H	41.82	53.98	12.16	AV
5470	43.22	12.50	H	55.72	68.20	12.48	PK
5460	42.79	12.24	V	55.03	73.98	18.95	PK
5460	29.68	12.24	V	41.92	53.98	12.06	AV
5470	43.46	12.50	V	55.96	68.20	12.24	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	42.39	12.24	H	54.63	73.98	19.35	PK
5460	29.26	12.24	H	41.5	53.98	12.48	AV
5470	43.21	12.50	H	55.71	68.20	12.49	PK
5460	42.53	12.24	V	54.77	73.98	19.21	PK
5460	29.40	12.24	V	41.64	53.98	12.34	AV
5470	43.32	12.50	V	55.82	68.20	12.38	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	42.56	12.24	H	54.80	73.98	19.18	PK
5460	29.38	12.24	H	41.62	53.98	12.36	AV
5470	43.51	12.50	H	56.01	68.20	12.19	PK
5460	42.66	12.24	V	54.9	73.98	19.08	PK
5460	29.46	12.24	V	41.7	53.98	12.28	AV
5470	43.68	12.50	V	56.18	68.20	12.02	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	42.37	12.24	H	54.61	73.98	19.37	PK
5460	29.39	12.24	H	41.63	53.98	12.35	AV
5470	42.81	12.50	H	55.31	68.20	12.89	PK
5460	42.49	12.24	V	54.73	73.98	19.25	PK
5460	29.51	12.24	V	41.75	53.98	12.23	AV
5470	42.95	12.50	V	55.45	68.20	12.75	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency: 5510 MHz  
 Channel No. 102 Ch

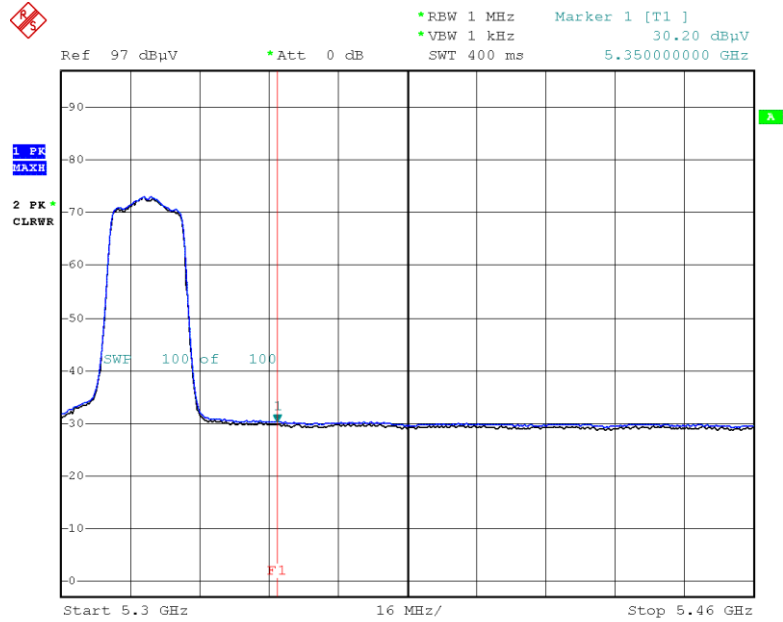
Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	42.41	12.24	H	54.65	73.98	19.33	PK
5460	29.37	12.24	H	41.61	53.98	12.37	AV
5470	42.79	12.50	H	55.29	68.20	12.91	PK
5460	42.44	12.24	V	54.68	73.98	19.30	PK
5460	29.51	12.24	V	41.75	53.98	12.23	AV
5470	42.89	12.50	V	55.39	68.20	12.81	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	42.40	12.24	H	54.64	73.98	19.34	PK
5460	30.86	12.24	H	43.1	53.98	10.88	AV
5470	42.95	12.50	H	55.45	68.20	12.75	PK
5460	42.48	12.24	V	54.72	73.98	19.26	PK
5460	30.88	12.24	V	43.12	53.98	10.86	AV
5470	43.26	12.50	V	55.76	68.20	12.44	PK

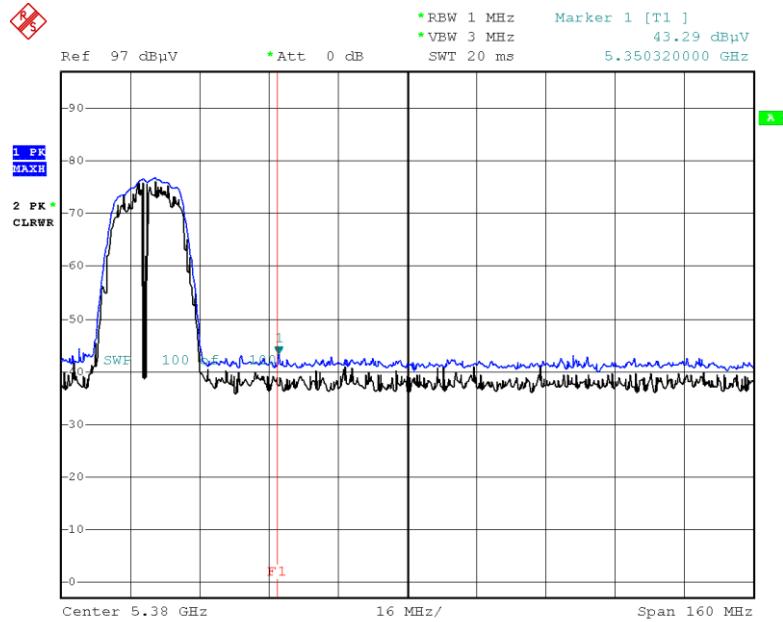
## Test Plots

### Average Reading (802.11a, Ch.64, X-V)



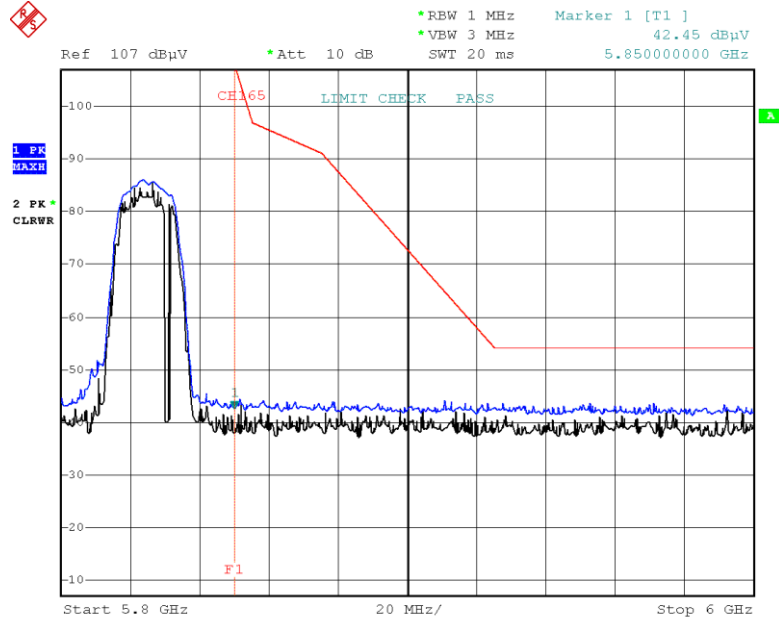
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### Peak Reading (802.11a Ch.58, X-V)

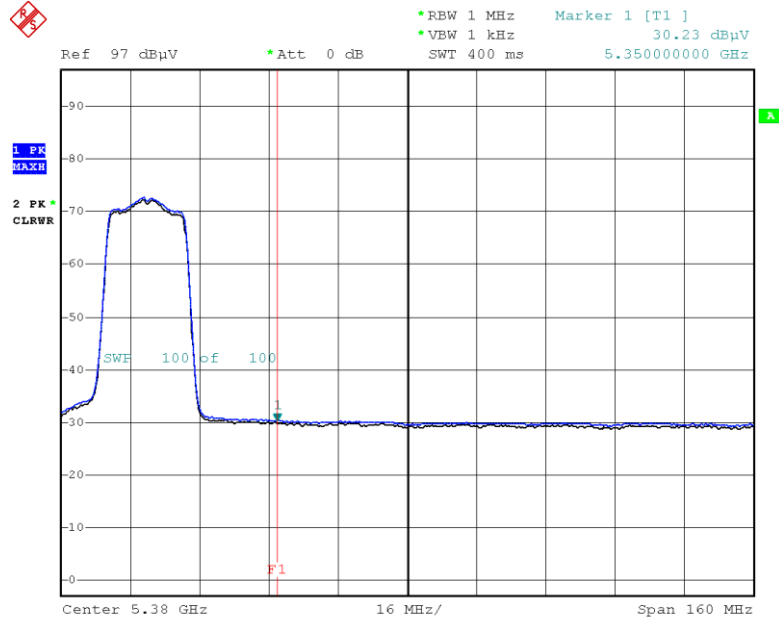


Date: 24.JUN.2019 10:17:07

## 802.11a Ch.165

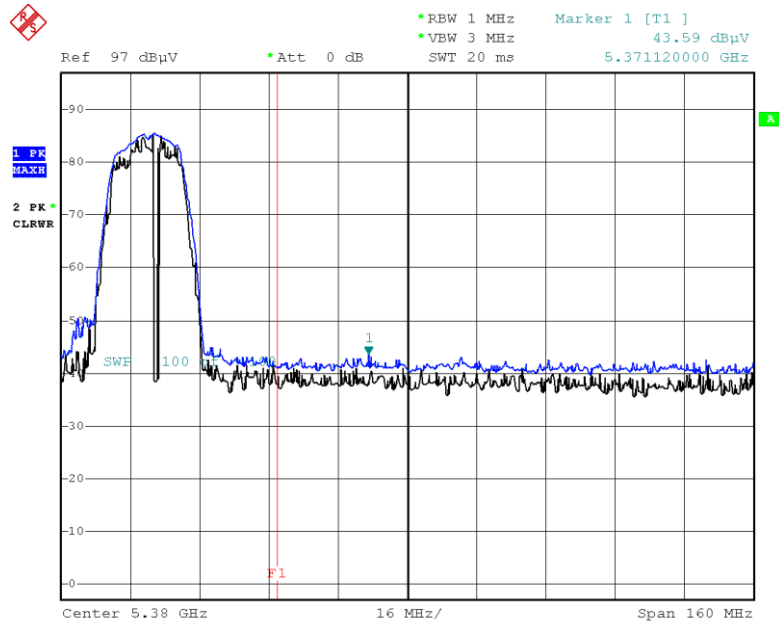


### Average Reading (802.11n, Ch.64, X-V)



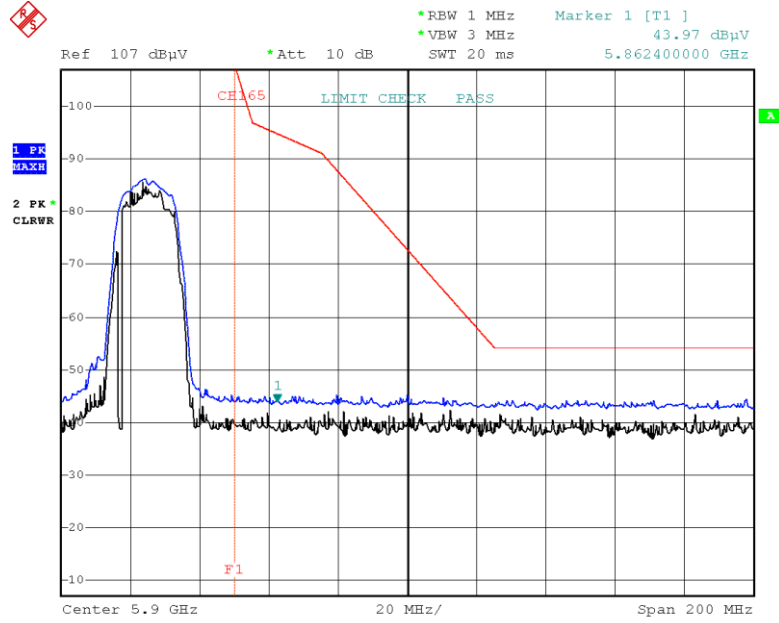
Date: 26.JUN.2019 08:07:44

### Peak Reading (802.11n Ch.58, X-V)



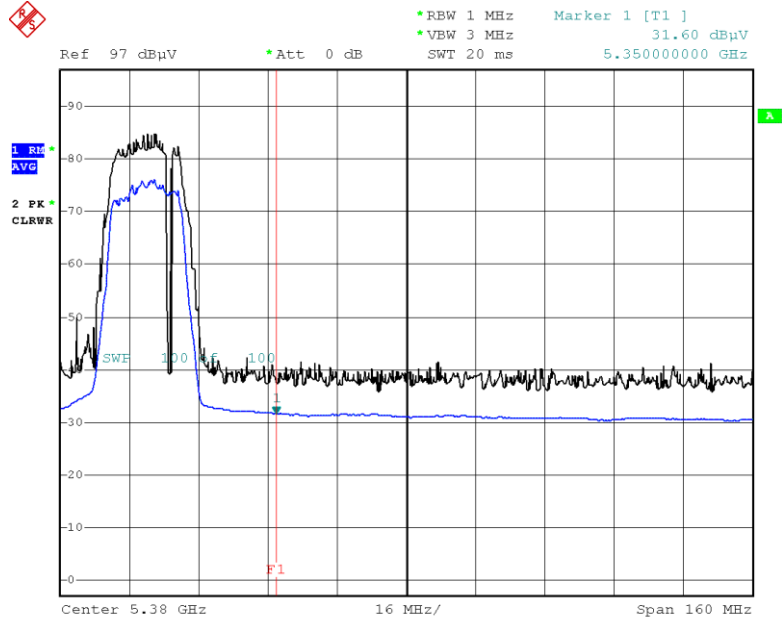
Date: 24.JUN.2019 10:29:41

## 802.11n Ch.165



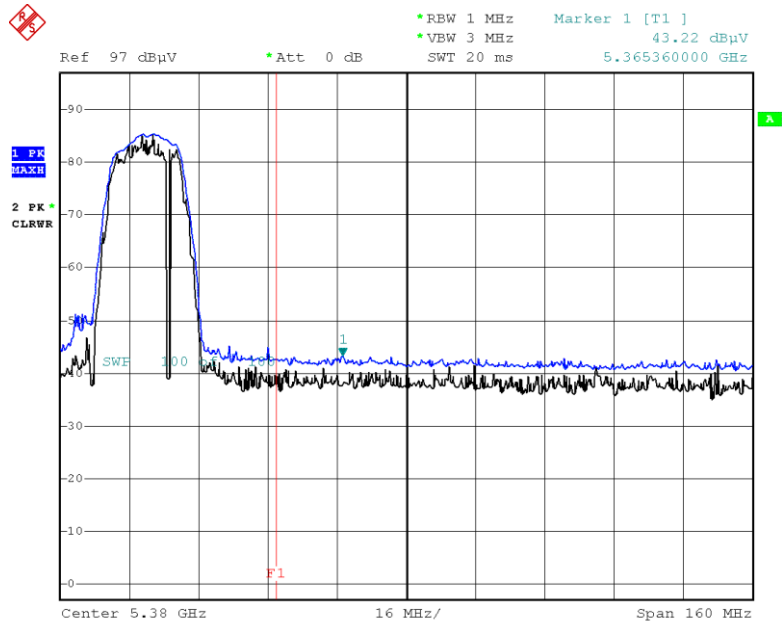


### Average Reading (802.11ac, Ch.64, X-V)



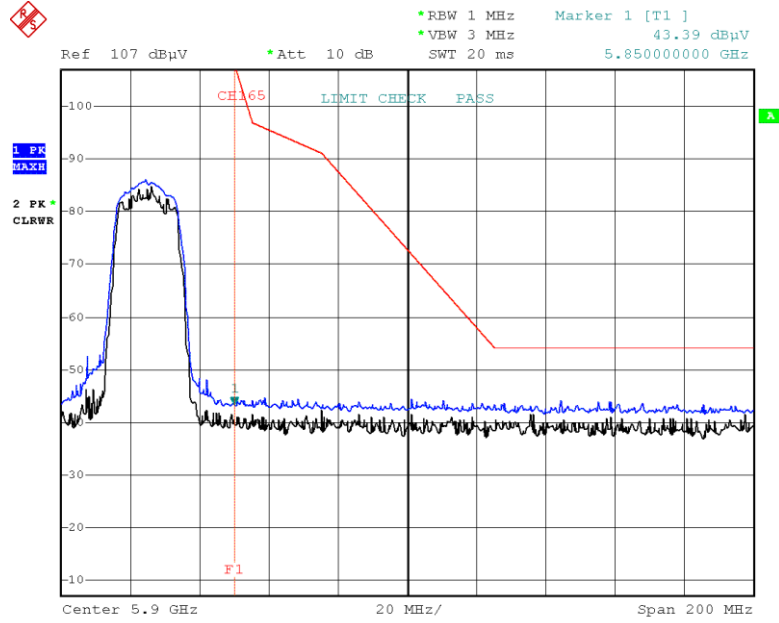
Date: 24.JUN.2019 10:32:04

### Peak Reading (802.11ac Ch.58, X-V)



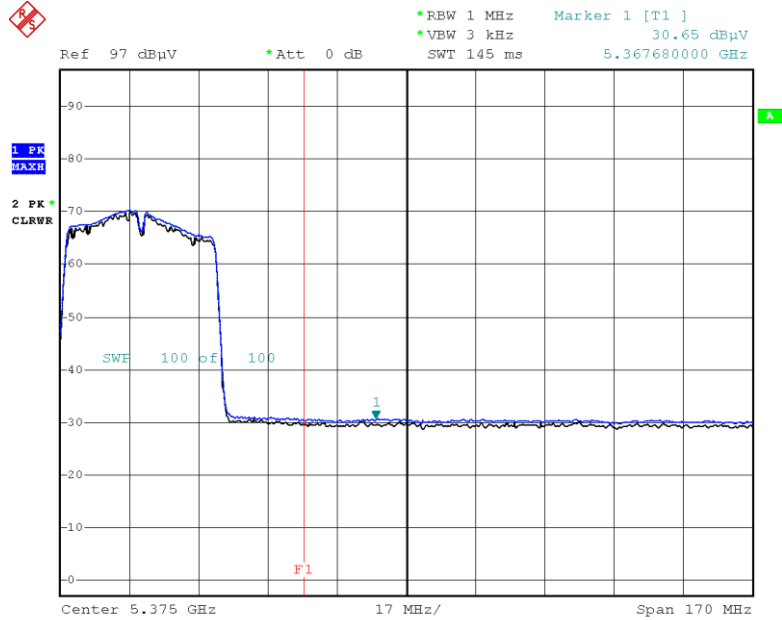
Date: 24.JUN.2019 10:33:18

## 802.11ac Ch.165



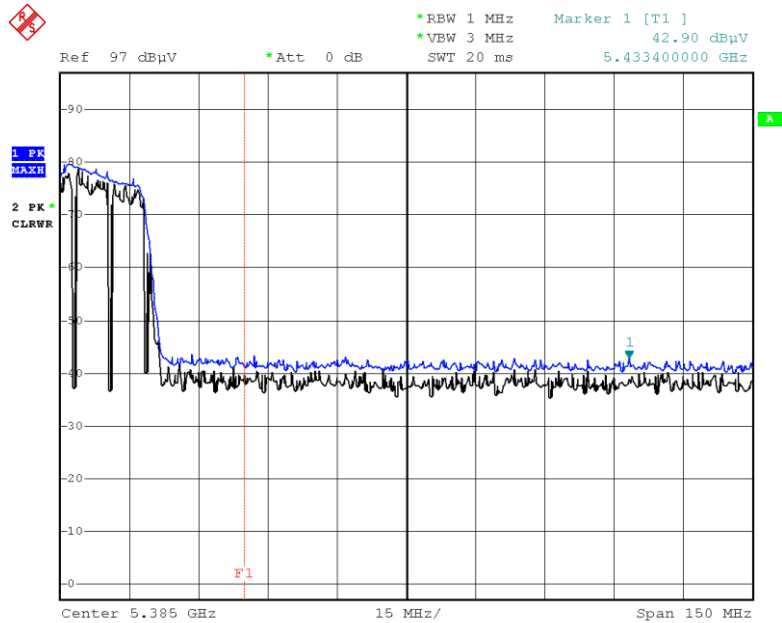
Date: 26.JUN.2019 08:44:57

### Average Reading (802.11n\_VHT40, Ch.62, X-V)



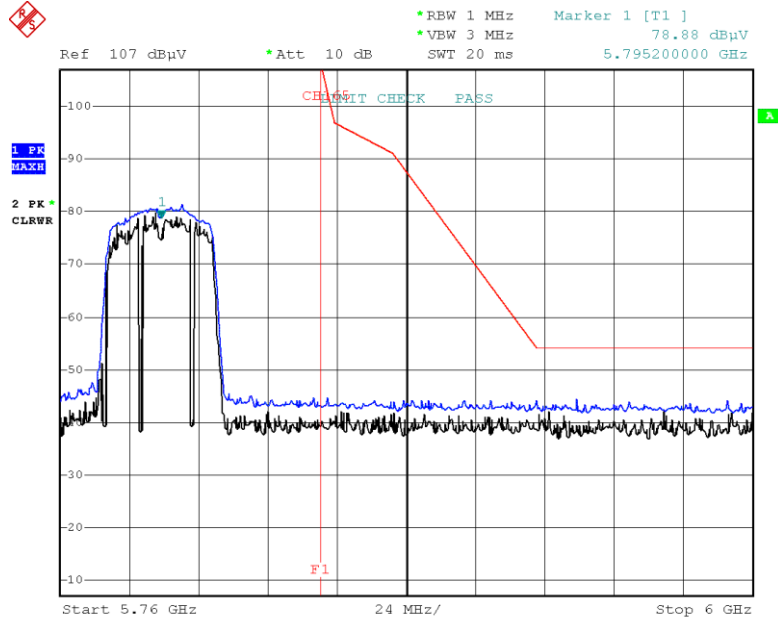
Date: 26.JUN.2019 08:25:19

### Peak Reading (802.11n\_VHT40 Ch.62, X-V)



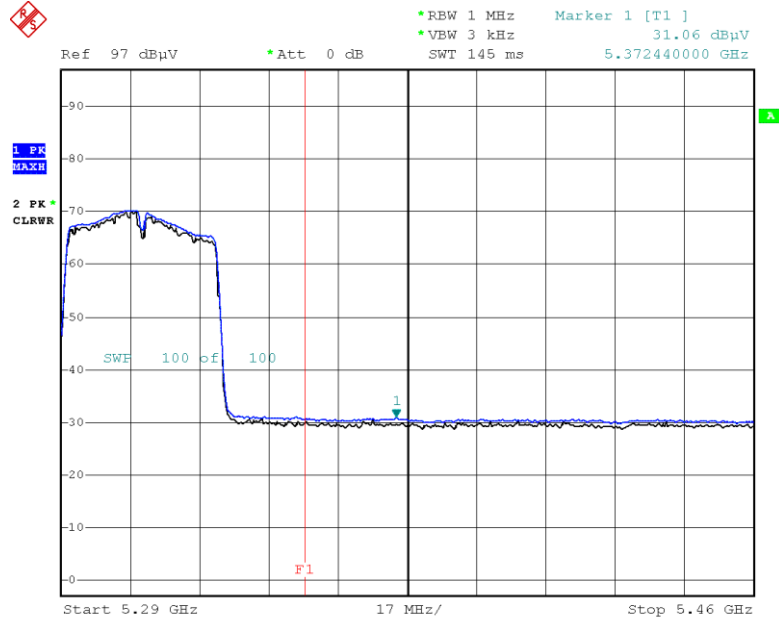
Date: 26.JUN.2019 05:01:26

## 802.11n\_VHT40 Ch.159



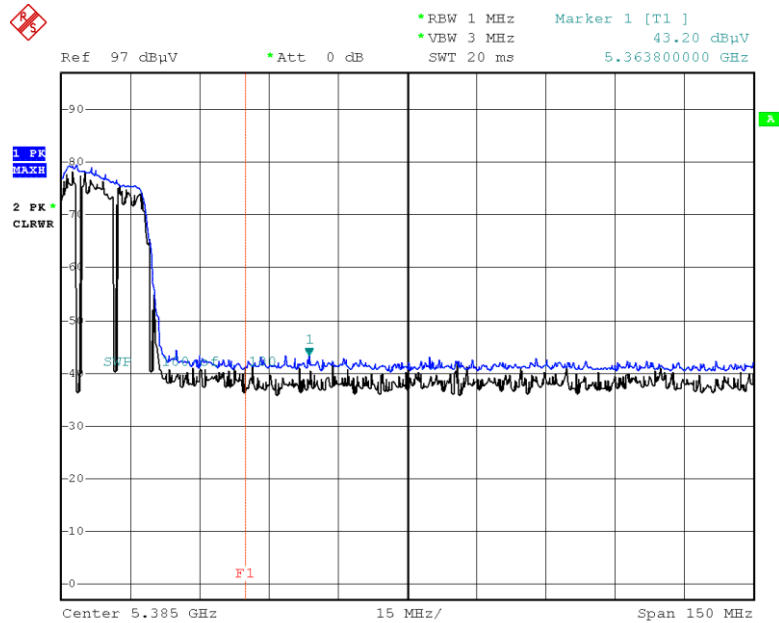
Date: 26.JUN.2019 08:47:55

### Average Reading (802.11ac\_VHT40, Ch.62, X-V)



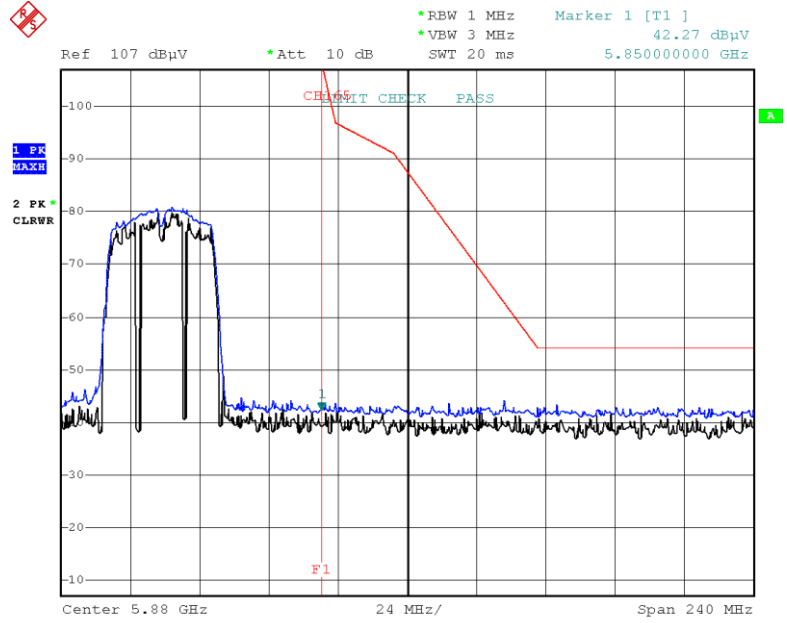
Date: 26.JUN.2019 08:24:04

### Peak Reading (802.11ac\_VHT40 Ch.62, X-V)



Date: 26.JUN.2019 05:07:28

## 802.11ac\_VHT40 Ch.159



Date: 26.JUN.2019 08:48:30