

802.11n(40MHz) Mode		Power Level Setting	Ant 1 Measured Power (dBm) + Duty Cycle Factor	Ant 2 Measured Power (dBm) + Duty Cycle Factor	MIMO Total Power [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	11.00	11.39	11.28	14.35	23.98
5230	46	11.00	11.70	11.73	14.73	23.98
5270	54	11.00	11.44	11.54	14.50	23.98
5310	62	11.00	11.53	11.67	14.61	23.98
5510	102	11.00	11.23	11.26	14.26	23.98
5590	118	11.00	11.50	11.51	14.52	23.98
5710	142	11.00	10.72	11.37	14.07	23.98
5755	151	11.00	11.53	11.58	14.57	30.00
5795	159	11.00	11.53	11.57	14.56	30.00

802.11ac(20MHz) Mode		Power Level Setting	Ant 1 Measured Power (dBm) + Duty Cycle Factor	Ant 2 Measured Power (dBm) + Duty Cycle Factor	MIMO Total Power [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.					
5180	36	11.00	11.25	11.37	14.32	23.98
5200	40	11.00	11.44	11.39	14.43	23.98
5240	48	11.00	11.78	11.61	14.71	23.98
5260	52	11.00	11.56	11.63	14.61	23.98
5300	60	11.00	11.41	11.59	14.51	23.98
5320	64	11.00	11.57	11.63	14.61	23.98
5500	100	11.00	11.32	11.06	14.20	23.98
5600	120	11.00	11.38	11.38	14.39	23.98
5720	144	11.00	10.63	11.22	13.95	23.98
5745	149	11.00	11.34	11.34	14.35	30.00
5785	157	11.00	11.64	11.39	14.53	30.00
5825	165	11.00	11.51	11.61	14.57	30.00

802.11ac(40MHz) Mode		Power Level Setting	Ant 1 Measured Power (dBm) + Duty Cycle Factor	Ant 2 Measured Power (dBm) + Duty Cycle Factor	MIMO Total Power [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	10.00	10.33	10.58	13.47	23.98
5230	46	10.00	10.74	10.76	13.76	23.98
5270	54	10.00	10.68	10.49	13.60	23.98
5310	62	10.00	10.58	10.30	13.45	23.98
5510	102	10.00	10.18	10.26	13.23	23.98
5590	118	10.00	10.38	10.26	13.33	23.98
5710	142	10.00	10.33	10.40	13.38	23.98
5755	151	10.00	10.34	10.51	13.44	30.00
5795	159	10.00	10.56	10.40	13.49	30.00

802.11ac(80MHz) Mode		Power Level Setting	Ant 1 Measured Power (dBm) + Duty Cycle Factor	Ant 2 Measured Power (dBm) + Duty Cycle Factor	MIMO Total Power [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.					
5210	42	10.00	10.56	10.77	13.68	23.98
5290	58	10.00	10.40	10.98	13.71	23.98
5530	106	10.00	10.46	10.29	13.39	23.98
5610	122	10.00	10.47	10.71	13.60	23.98
5690	138	10.00	10.13	10.52	13.34	23.98
5775	155	10.00	10.32	10.61	13.48	30.00

10.5 POWER SPECTRAL DENSITY

[ANT1]

802.11a Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	3.141	0.319	3.460	11
5200	40	3.286	0.319	3.605	11
5240	48	3.486	0.319	3.805	11
5260	52	3.381	0.319	3.700	11
5300	60	3.445	0.319	3.764	11
5320	64	3.422	0.319	3.741	11
5500	100	3.529	0.319	3.848	11
5600	120	3.525	0.319	3.844	11
5720	144	3.138	0.319	3.457	11
5745	149	0.461	0.319	0.780	30
5785	157	0.662	0.319	0.981	30
5825	165	0.612	0.319	0.931	30

802.11n(20MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	2.510	0.418	2.928	11
5200	40	2.750	0.418	3.168	11
5240	48	3.015	0.418	3.433	11
5260	52	3.087	0.418	3.505	11
5300	60	2.908	0.418	3.326	11
5320	64	3.062	0.418	3.480	11
5500	100	2.861	0.418	3.279	11
5600	120	2.797	0.418	3.215	11
5720	144	2.706	0.418	3.124	11
5745	149	0.526	0.418	0.944	30
5785	157	0.733	0.418	1.151	30
5825	165	0.613	0.418	1.031	30

802.11n(40MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5190	38	-1.081	0.589	-0.492	11
5230	46	-0.701	0.589	-0.112	11
5270	54	-0.895	0.589	-0.306	11
5310	62	-1.007	0.589	-0.418	11
5510	102	-1.373	0.589	-0.784	11
5590	118	-1.009	0.589	-0.420	11
5710	142	-1.261	0.589	-0.672	11
5755	151	-3.711	0.589	-3.122	30
5795	159	-3.528	0.589	-2.939	30

802.11ac(20MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	1.687	0.419	2.106	11
5200	40	1.915	0.419	2.334	11
5240	48	2.291	0.419	2.710	11
5260	52	2.210	0.419	2.629	11
5300	60	1.912	0.419	2.331	11
5320	64	2.219	0.419	2.638	11
5500	100	1.718	0.322	2.040	11
5600	120	1.773	0.419	2.192	11
5720	144	1.732	0.419	2.151	11
5745	149	-0.827	0.419	-0.408	30
5785	157	-0.623	0.419	-0.204	30
5825	165	-0.518	0.322	-0.196	30

802.11ac(40MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5190	38	-2.178	0.583	-1.595	11
5230	46	-1.898	0.583	-1.315	11
5270	54	-2.002	0.583	-1.419	11
5310	62	-1.790	0.583	-1.207	11
5510	102	-2.263	0.583	-1.680	11
5590	118	-2.207	0.583	-1.624	11
5710	142	-2.268	0.583	-1.685	11
5755	151	-5.017	0.583	-4.434	30
5795	159	-4.419	0.583	-3.836	30

802.11ac(80MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5210	42	-5.113	1.000	-4.113	11
5290	58	-5.429	1.000	-4.429	11
5530	106	-5.617	1.185	-4.432	11
5610	122	-5.446	1.000	-4.446	11
5690	138	-4.874	1.000	-3.874	11
5775	155	-8.045	1.000	-7.045	30

[ANT2]

802.11a Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	2.890	0.319	3.209	11
5200	40	2.900	0.319	3.219	11
5240	48	3.278	0.319	3.597	11
5260	52	3.222	0.319	3.541	11
5300	60	3.301	0.319	3.620	11
5320	64	3.351	0.319	3.670	11
5500	100	3.212	0.319	3.531	11
5600	120	3.392	0.319	3.711	11
5720	144	2.949	0.319	3.268	11
5745	149	0.525	0.319	0.844	30
5785	157	0.499	0.319	0.818	30
5825	165	0.833	0.319	1.152	30

802.11n(20MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	2.429	0.326	2.755	11
5200	40	2.693	0.418	3.111	11
5240	48	3.218	0.418	3.636	11
5260	52	3.110	0.418	3.528	11
5300	60	2.933	0.418	3.351	11
5320	64	2.952	0.418	3.370	11
5500	100	2.648	0.418	3.066	11
5600	120	3.152	0.418	3.570	11
5720	144	2.883	0.418	3.301	11
5745	149	0.797	0.418	1.215	30
5785	157	0.455	0.418	0.873	30
5825	165	0.586	0.418	1.004	30

802.11n(40MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5190	38	-1.098	0.589	-0.509	11
5230	46	-1.174	0.589	-0.585	11
5270	54	-1.138	0.589	-0.549	11
5310	62	-1.420	0.589	-0.831	11
5510	102	-1.327	0.589	-0.738	11
5590	118	-1.120	0.589	-0.531	11
5710	142	-1.037	0.589	-0.448	11
5755	151	-3.591	0.589	-3.002	30
5795	159	-3.523	0.589	-2.934	30

802.11ac(20MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	1.592	0.419	2.011	11
5200	40	1.628	0.419	2.047	11
5240	48	1.969	0.419	2.388	11
5260	52	1.956	0.419	2.375	11
5300	60	1.908	0.419	2.327	11
5320	64	1.687	0.419	2.106	11
5500	100	1.639	0.419	2.058	11
5600	120	1.963	0.419	2.382	11
5720	144	1.624	0.419	2.043	11
5745	149	-0.569	0.419	-0.150	30
5785	157	-0.646	0.419	-0.227	30
5825	165	-0.188	0.419	0.231	30

802.11ac(40MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5190	38	-2.648	0.583	-2.065	11
5230	46	-2.232	0.583	-1.649	11
5270	54	-2.070	0.583	-1.487	11
5310	62	-2.336	0.583	-1.753	11
5510	102	-2.382	0.583	-1.799	11
5590	118	-2.182	0.583	-1.599	11
5710	142	-2.336	0.583	-1.753	11
5755	151	-4.796	0.583	-4.213	30
5795	159	-4.741	0.583	-4.158	30

802.11ac(80MHz) Mode		Measured PSD [dBm]	Duty Cycle Factor (dB)	Total PSD [dBm]	Limit (dBm)
Frequency [MHz]	Channel No.				
5210	42	-5.714	1.185	-4.529	11
5290	58	-5.661	1.000	-4.661	11
5530	106	-5.629	1.000	-4.629	11
5610	122	-5.024	1.000	-4.024	11
5690	138	-4.876	1.000	-3.876	11
5775	155	-7.626	1.000	-6.626	30

[MIMO]

802.11a Mode		ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB)	ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB)	MIMO Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	3.460	3.209	6.347	11
5200	40	3.605	3.219	6.427	11
5240	48	3.805	3.597	6.713	11
5260	52	3.700	3.541	6.632	11
5300	60	3.764	3.620	6.703	11
5320	64	3.741	3.670	6.716	11
5500	100	3.848	3.531	6.703	11
5600	120	3.844	3.711	6.788	11
5720	144	3.457	3.268	6.374	11
5745	149	0.780	0.844	3.822	30
5785	157	0.981	0.818	3.911	30
5825	165	0.931	1.152	4.053	30

802.11n(20MHz) Mode		ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB)	ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB)	MIMO Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	2.928	2.847	5.898	11
5200	40	3.168	3.111	6.150	11
5240	48	3.433	3.636	6.546	11
5260	52	3.505	3.528	6.527	11
5300	60	3.326	3.351	6.349	11
5320	64	3.480	3.370	6.436	11
5500	100	3.279	3.066	6.184	11
5600	120	3.215	3.570	6.406	11
5720	144	3.124	3.301	6.224	11
5745	149	0.944	1.215	4.092	30
5785	157	1.151	0.873	4.025	30
5825	165	1.031	1.004	4.028	30

802.11n(40MHz) Mode		ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB)	ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB)	MIMO Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5190	38	-0.492	-0.509	2.509	11
5230	46	-0.112	-0.585	2.668	11
5270	54	-0.306	-0.549	2.584	11
5310	62	-0.418	-0.831	2.390	11
5510	102	-0.784	-0.738	2.249	11
5590	118	-0.420	-0.531	2.535	11
5710	142	-0.672	-0.448	2.451	11
5755	151	-3.122	-3.002	-0.052	30
5795	159	-2.939	-2.934	0.073	30

802.11ac(20MHz) Mode		ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB)	ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB)	MIMO Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5180	36	2.106	2.011	5.069	11
5200	40	2.334	2.047	5.203	11
5240	48	2.710	2.388	5.562	11
5260	52	2.629	2.375	5.514	11
5300	60	2.331	2.327	5.339	11
5320	64	2.638	2.106	5.390	11
5500	100	2.040	2.058	5.059	11
5600	120	2.192	2.382	5.298	11
5720	144	2.151	2.043	5.107	11
5745	149	-0.408	-0.150	2.733	30
5785	157	-0.204	-0.227	2.795	30
5825	165	-0.196	0.231	3.033	30

802.11ac(40MHz) Mode		ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB)	ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB)	MIMO Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5190	38	-1.595	-1.932	1.250	11
5230	46	-1.315	-1.649	1.531	11
5270	54	-1.419	-1.487	1.557	11
5310	62	-1.207	-1.753	1.539	11
5510	102	-1.680	-1.799	1.271	11
5590	118	-1.624	-1.599	1.399	11
5710	142	-1.685	-1.753	1.291	11
5755	151	-4.434	-4.213	-1.312	30
5795	159	-3.836	-4.158	-0.984	30

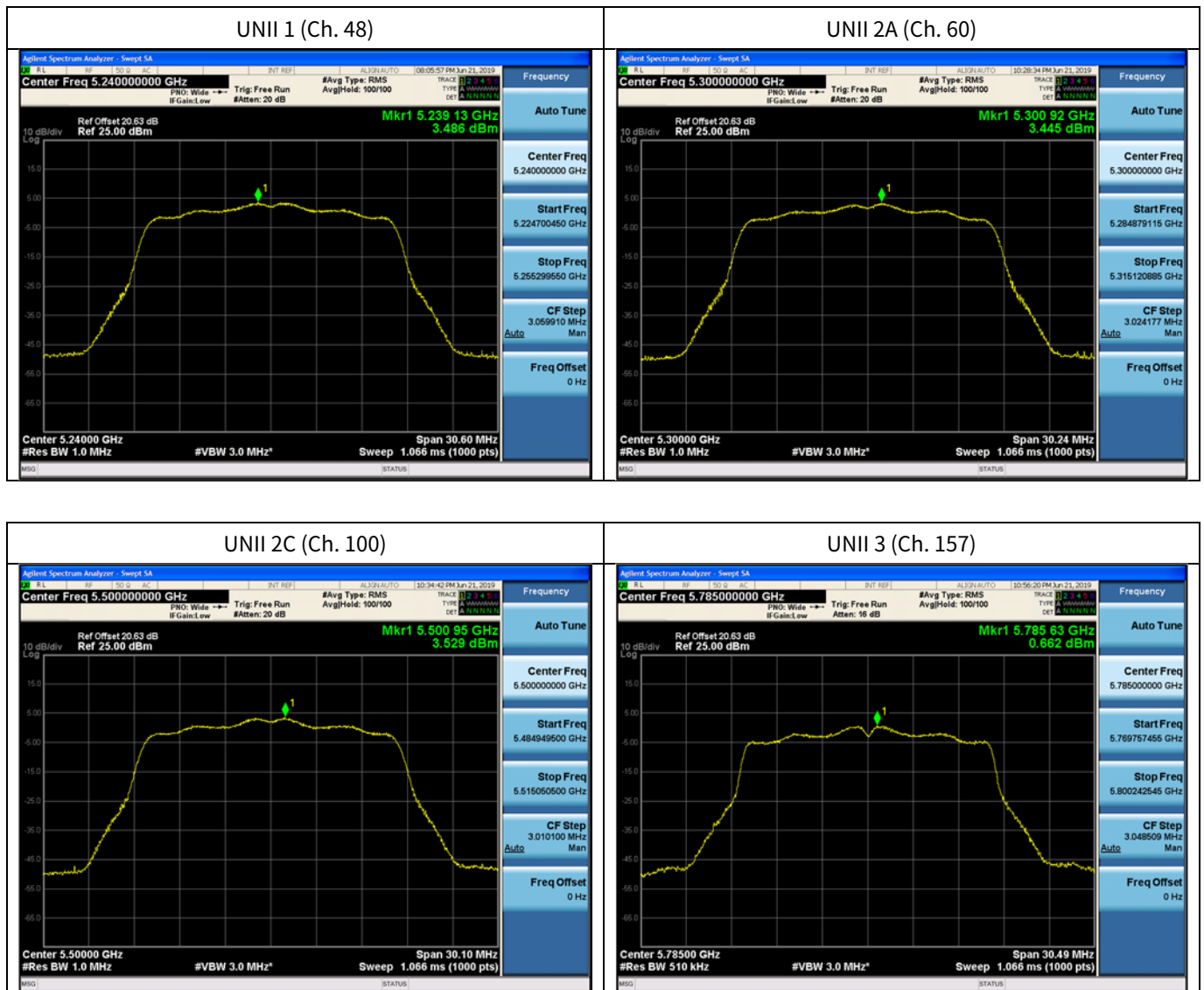
802.11ac(80MHz) Mode		ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB)	ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB)	MIMO Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				
5210	42	-4.113	-4.714	-1.393	11
5290	58	-4.429	-4.661	-1.534	11
5530	106	-4.617	-4.629	-1.613	11
5610	122	-4.446	-4.024	-1.220	11
5690	138	-3.874	-3.876	-0.865	11
5775	155	-7.045	-6.626	-3.821	30

[ANT1]

Test Plots(802.11a)

Note:

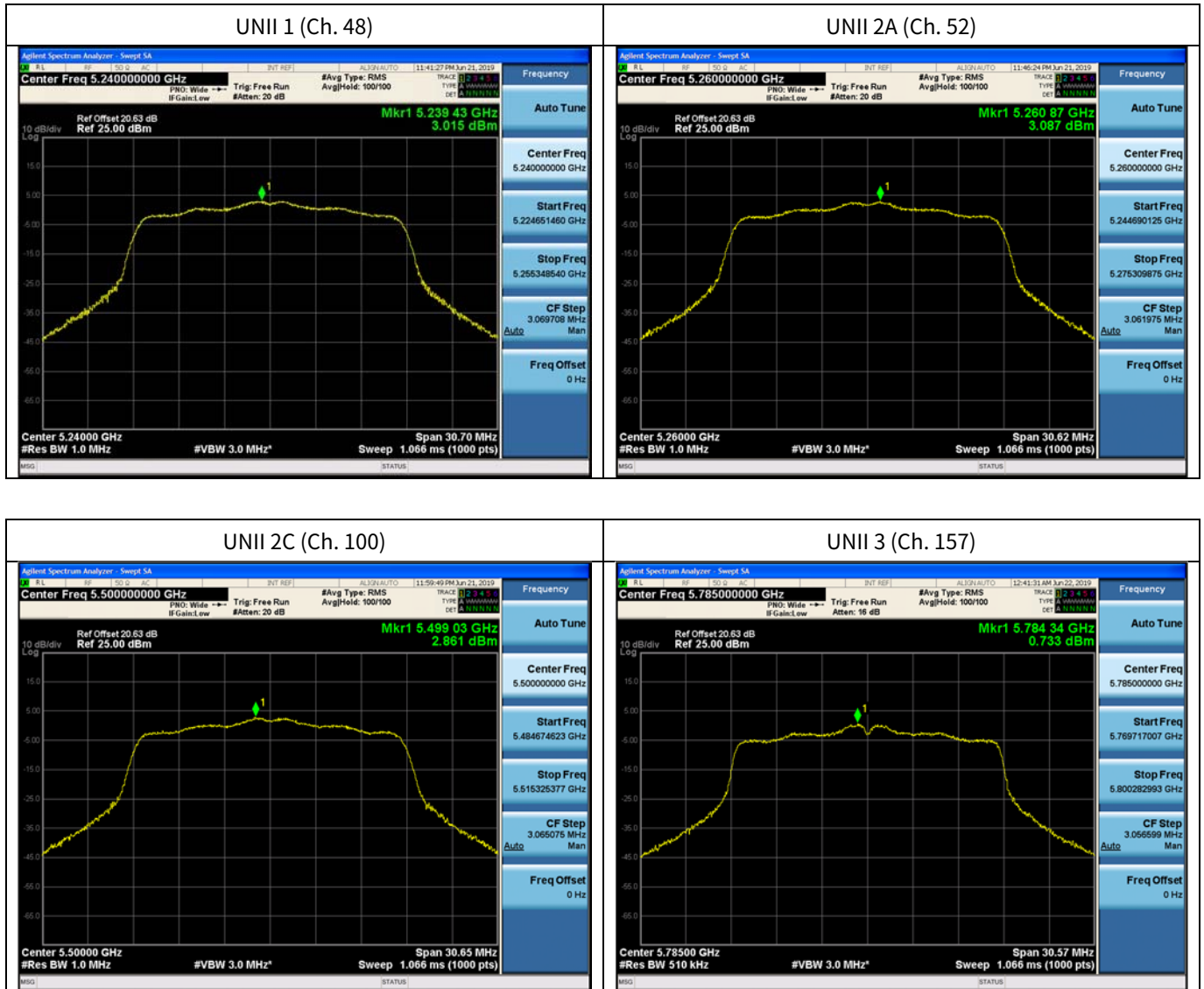
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11n(HT20))

Note:

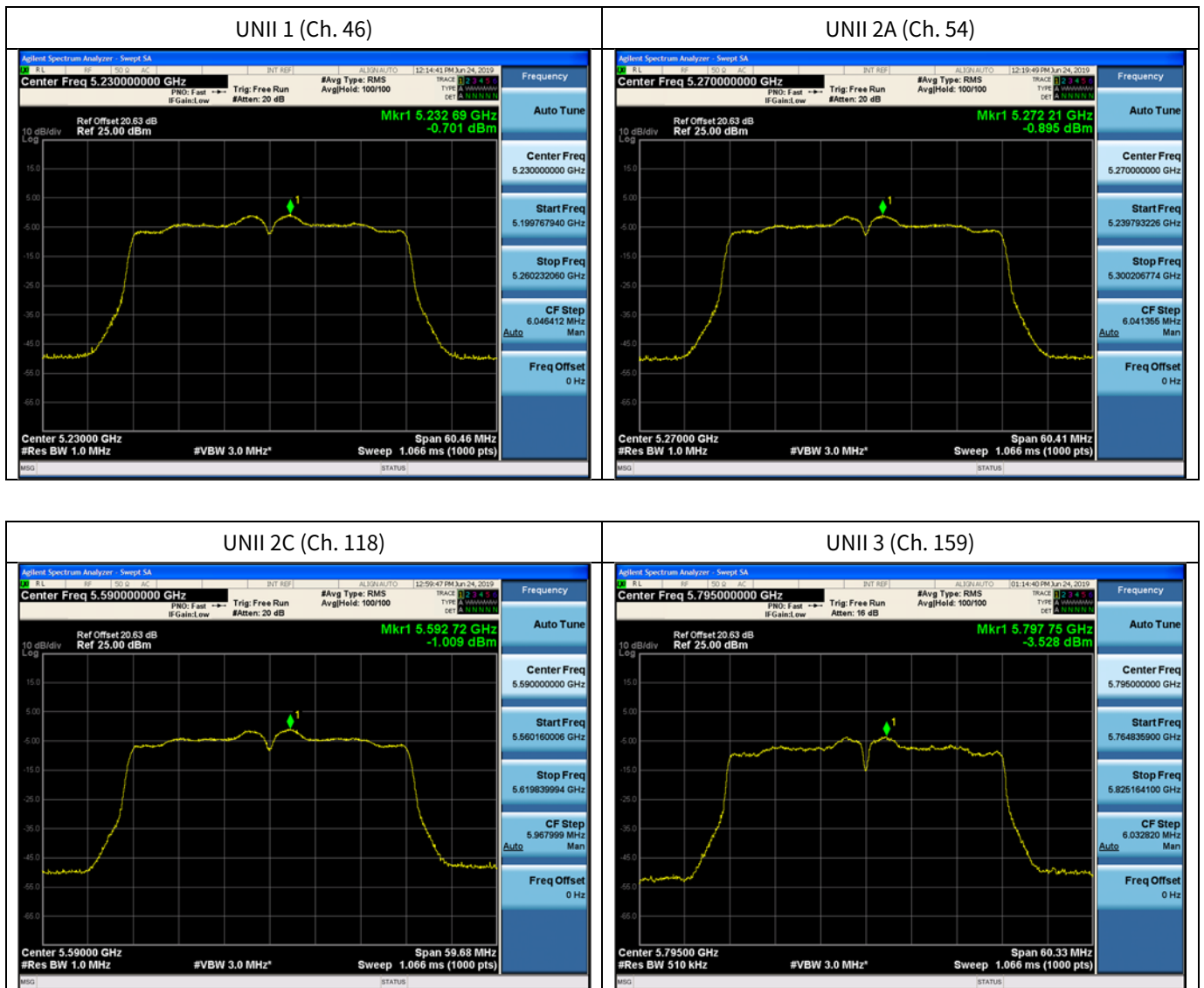
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11n(HT40))

Note:

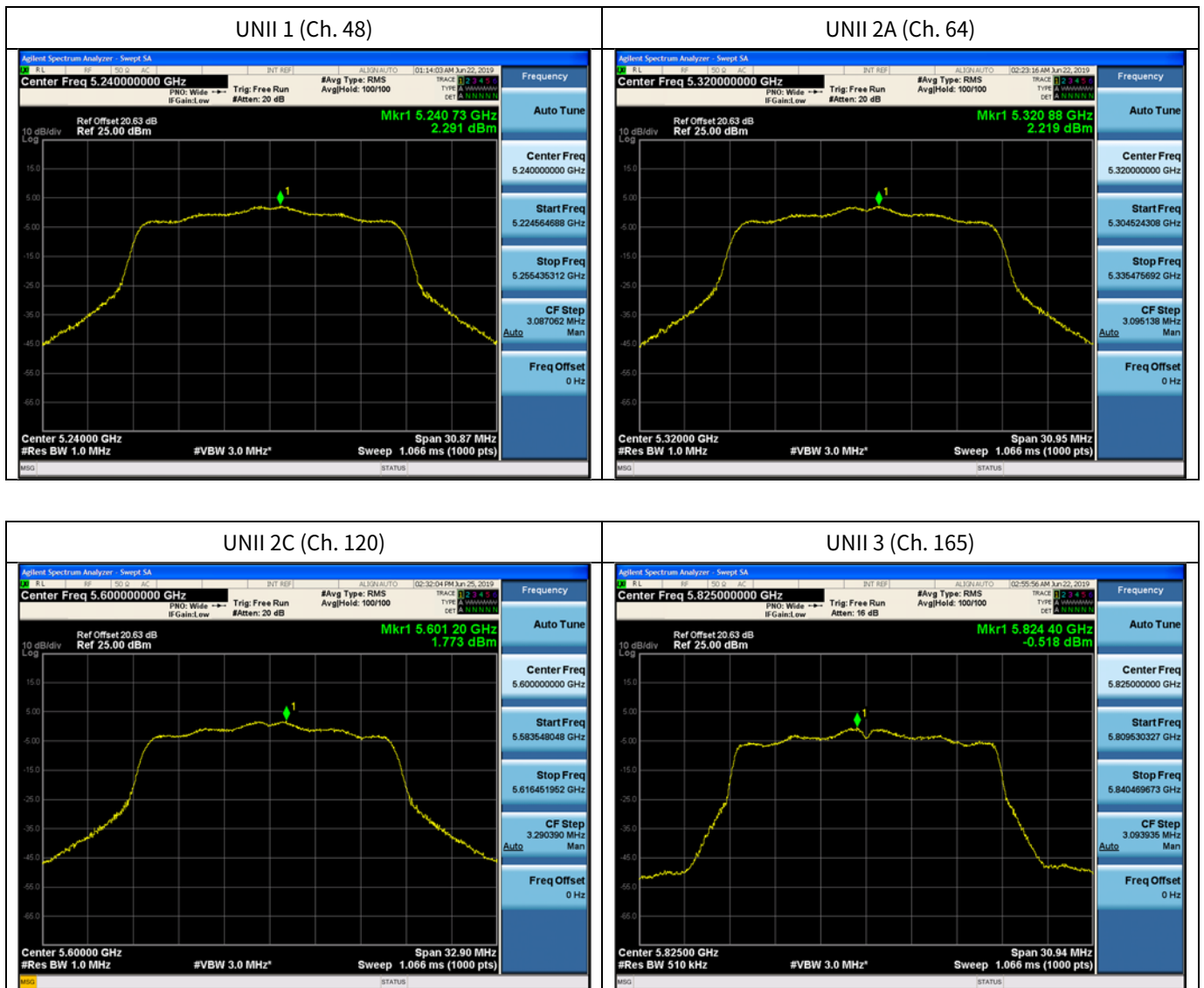
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT20))

Note:

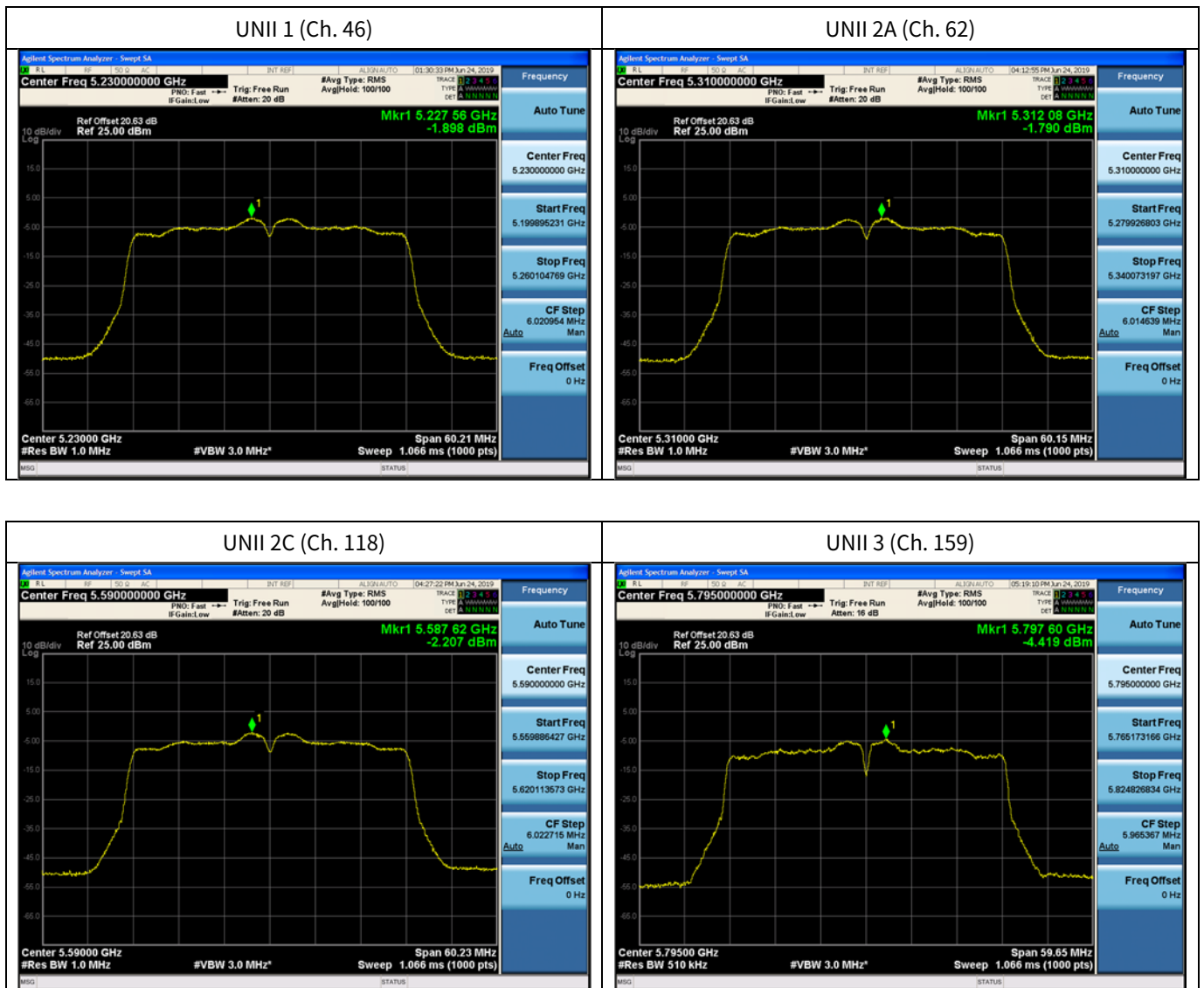
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT40))

Note:

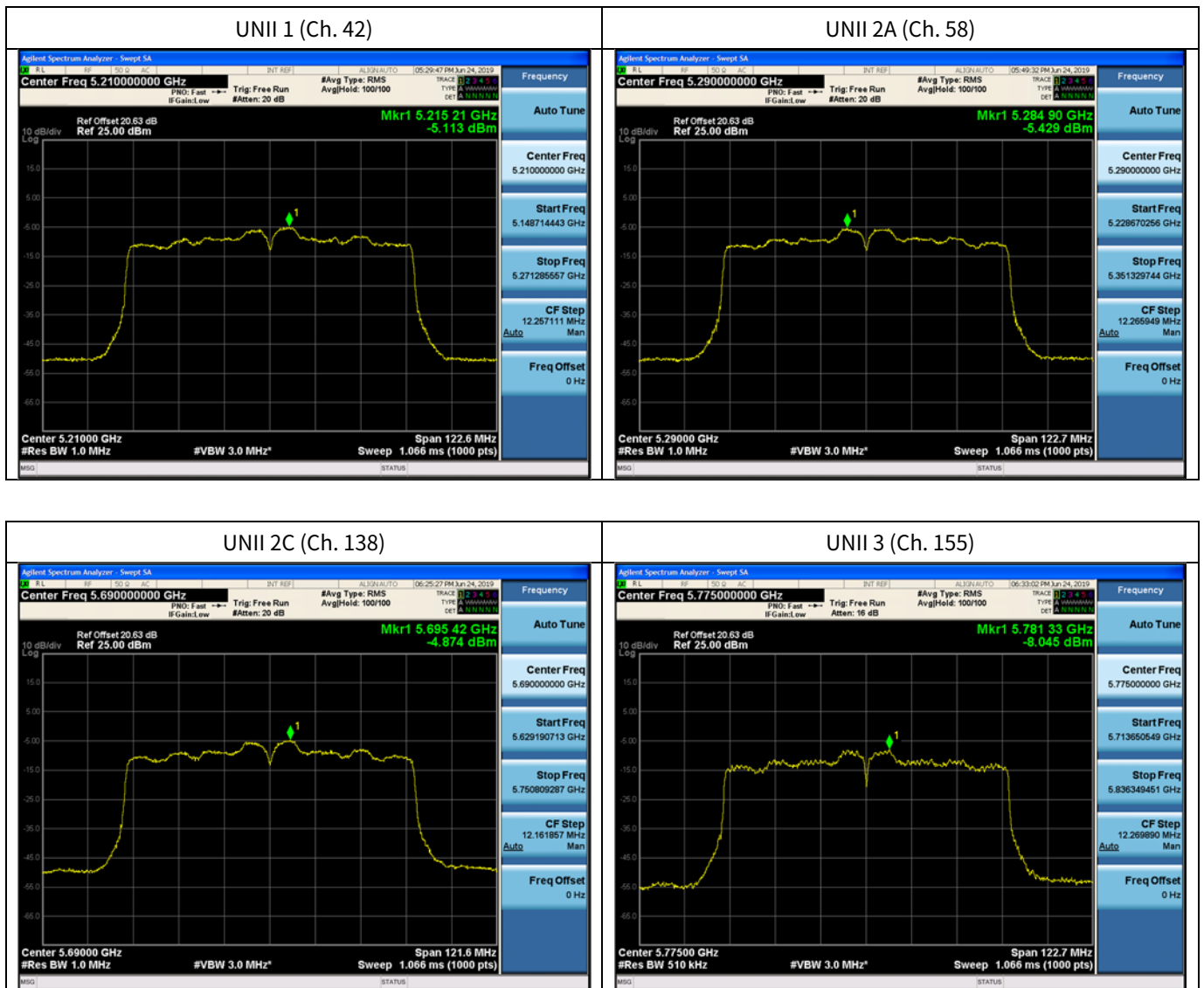
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT80))

Note:

In order to simplify the report, attached plots were only channel of highest power.

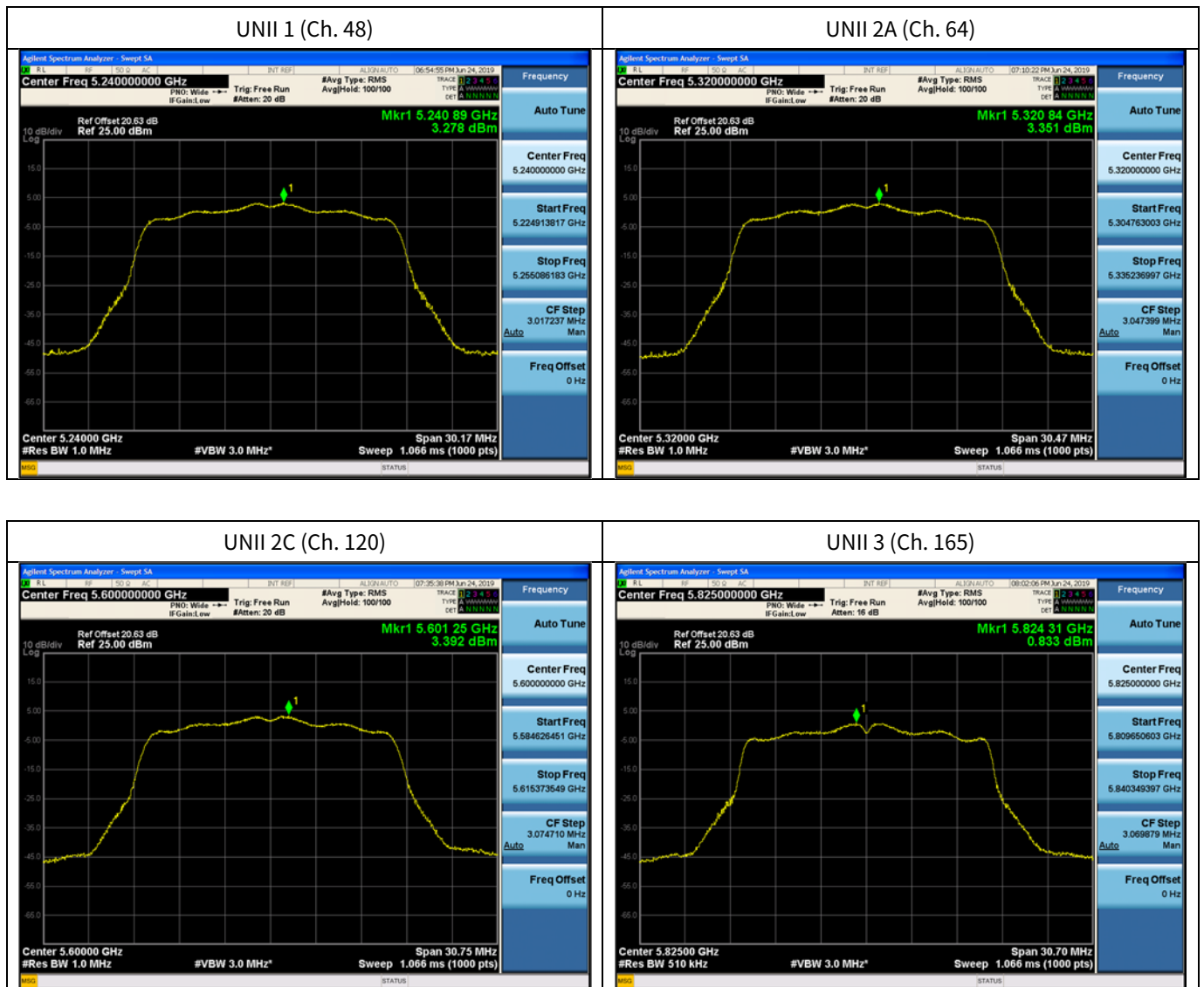


[ANT2]

Test Plots(802.11a)

Note:

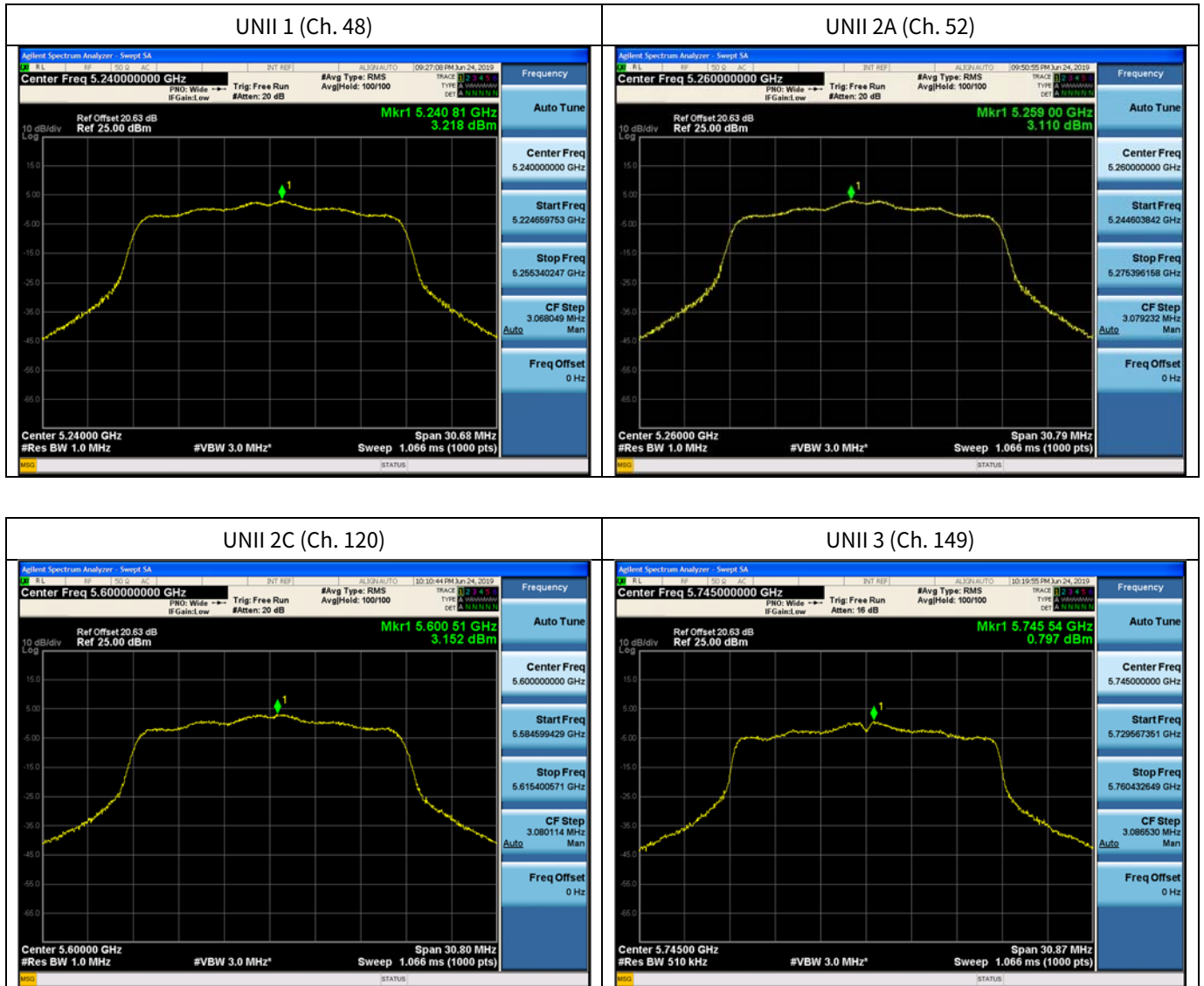
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11n(HT20))

Note:

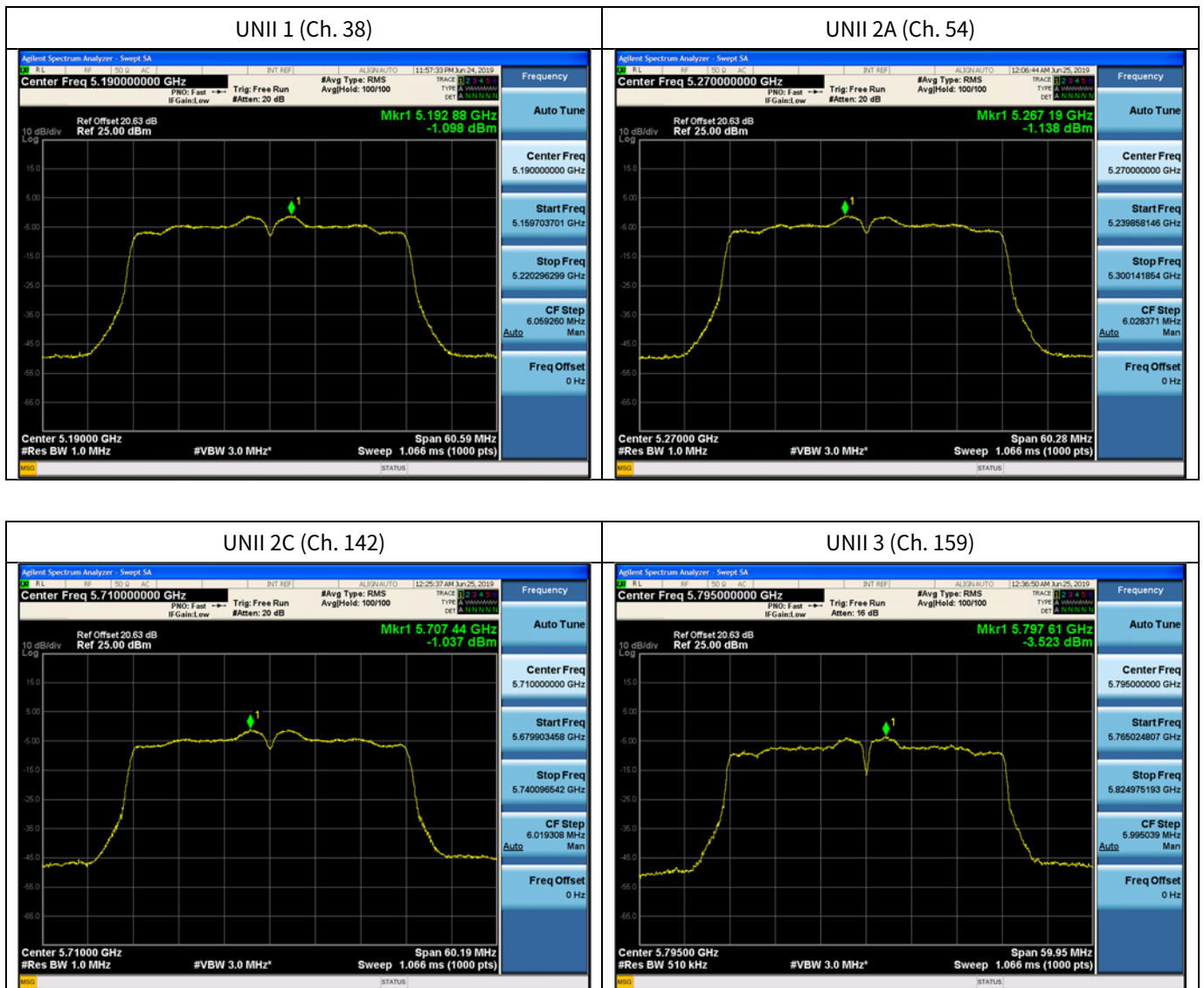
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11n(HT40))

Note:

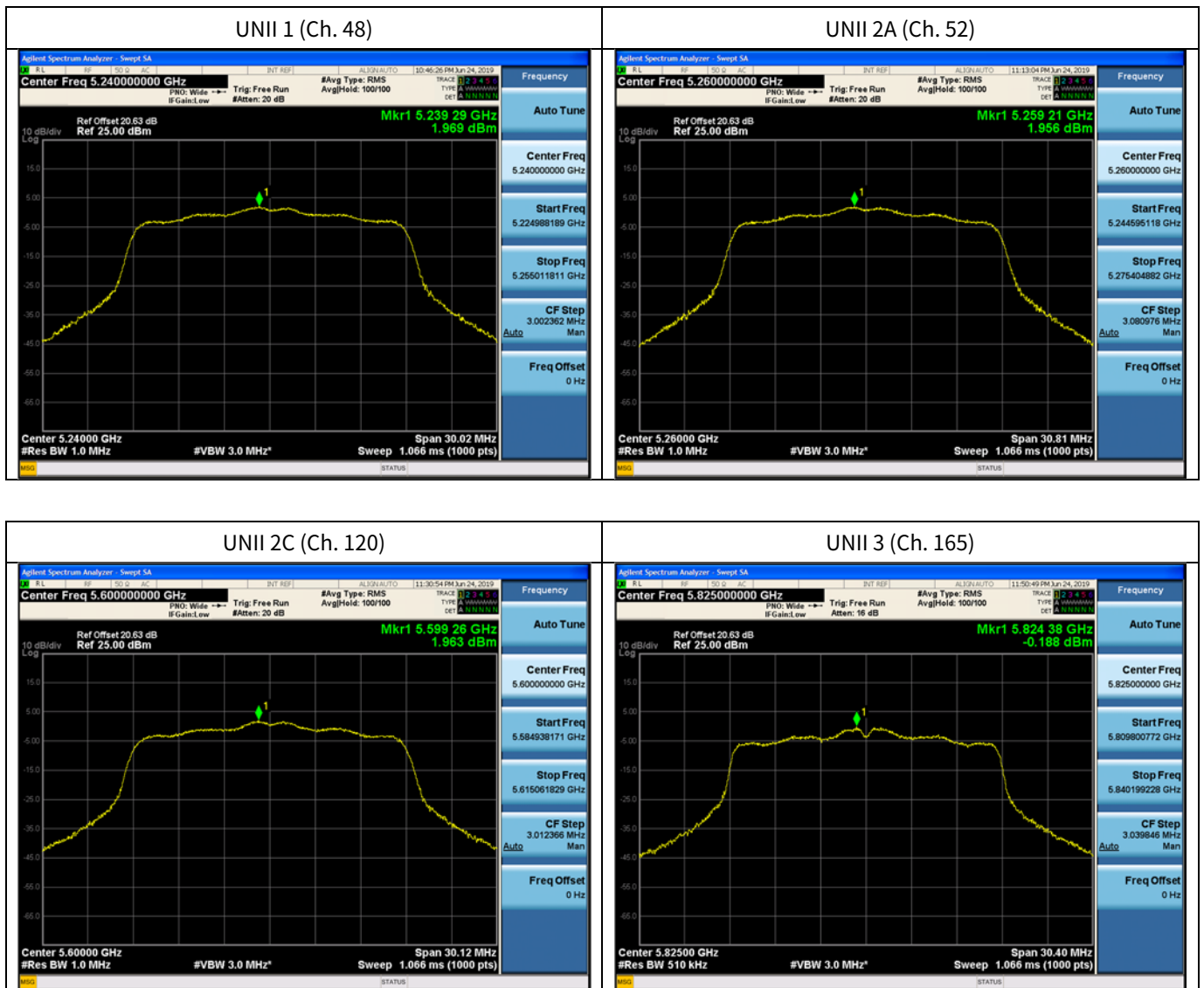
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT20))

Note:

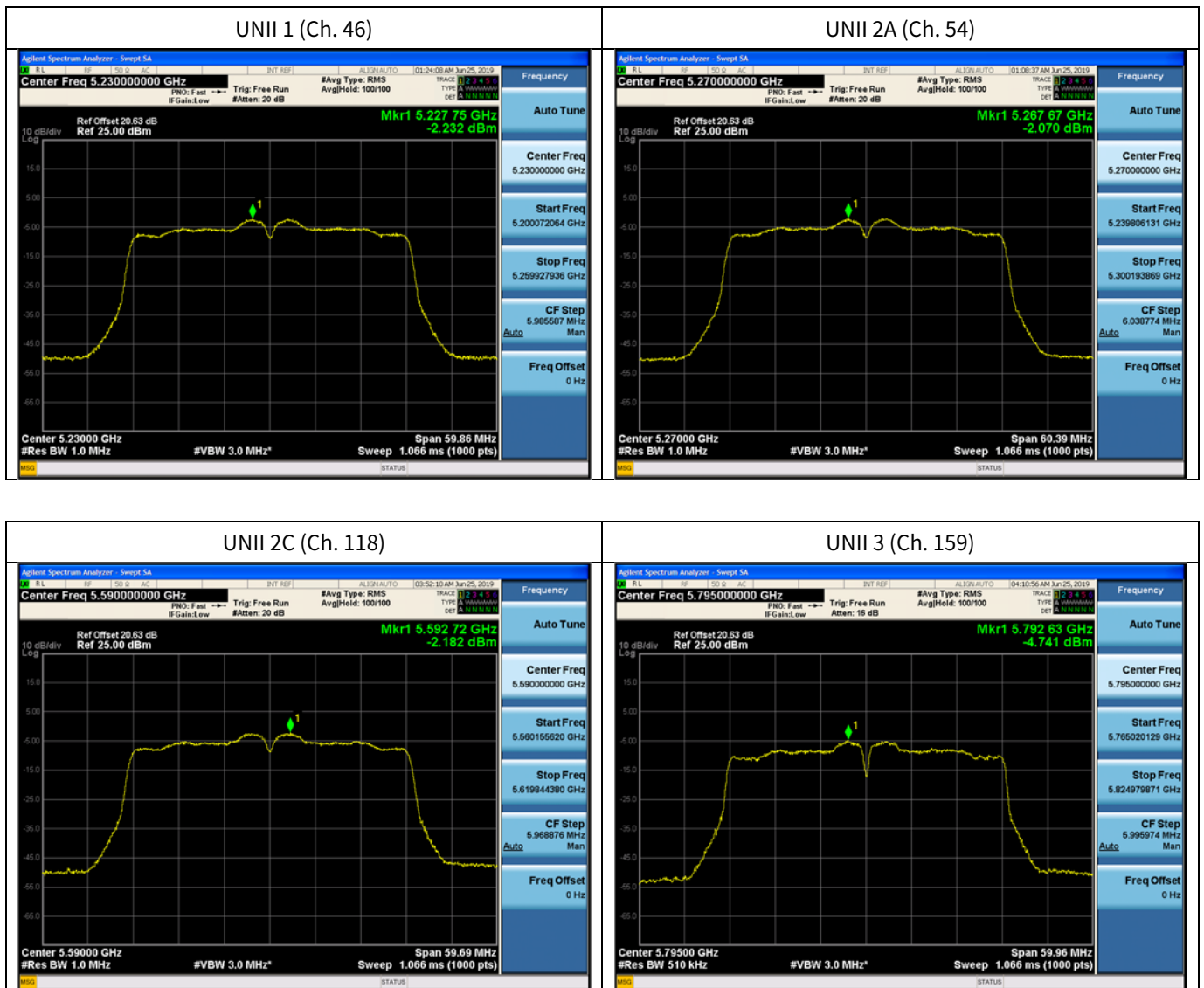
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT40))

Note:

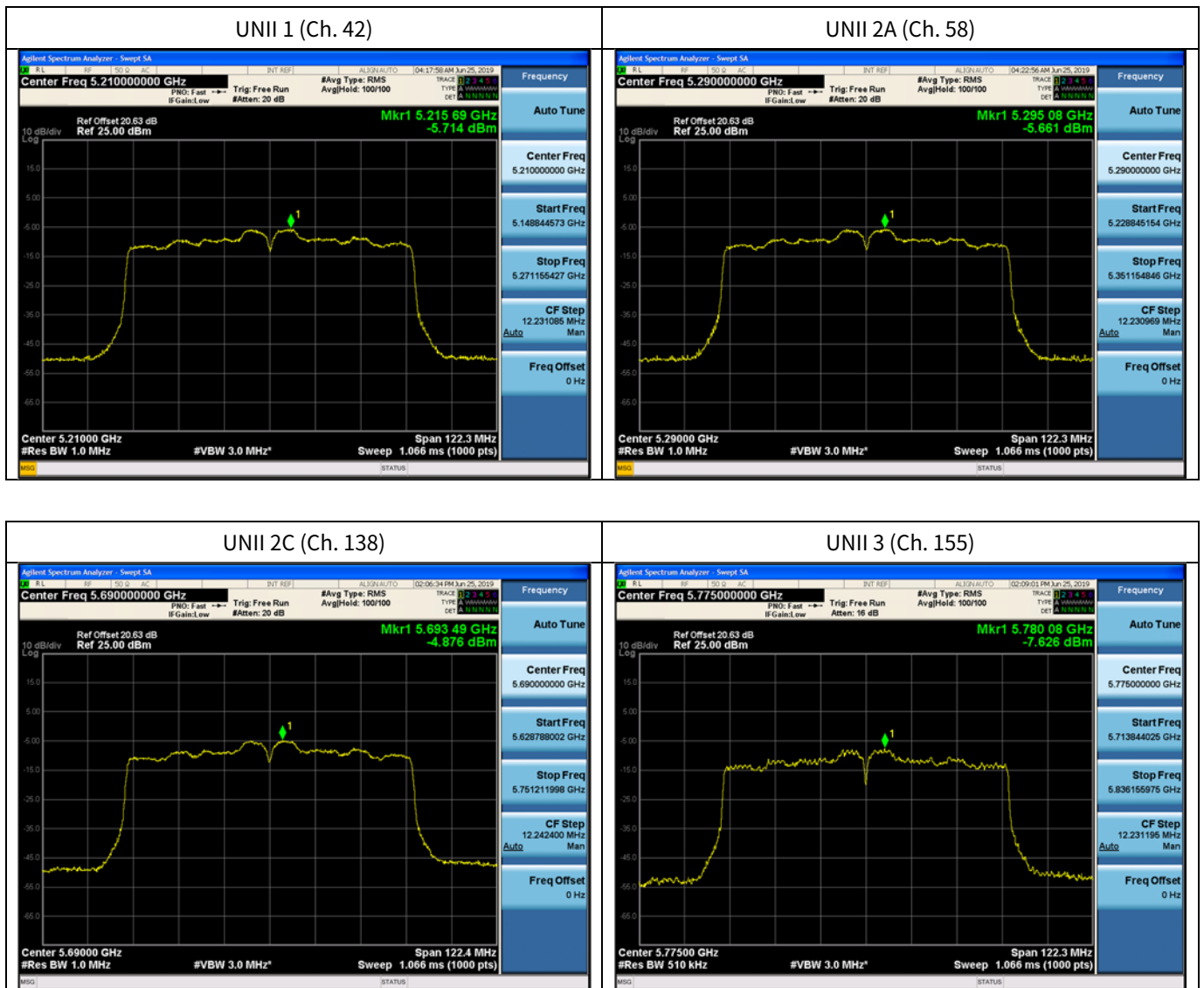
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11ac(VHT80))

Note:

In order to simplify the report, attached plots were only channel of highest power.



10.6 FREQUENCY STABILITY.

10.6.1 80MHz BW

[ANT1]

Startup after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5210028.96	28.96
100%		-30	5210052.63	52.63
100%		-20	5210045.78	45.78
100%		-10	5210039.26	39.26
100%		0	5210035.44	35.44
100%		+10	5210031.83	31.83
100%		+30	5210032.03	32.03
100%		+40	5210040.56	40.56
100%		+50	5210045.60	45.60
115%	7.3	+20	5210046.92	46.92
End. Point	8.8	+20	5210042.71	42.71

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5290026.72	26.72
100%		-30	5290050.14	50.14
100%		-20	5290043.13	43.13
100%		-10	5290037.03	37.03
100%		0	5290032.81	32.81
100%		+10	5290030.26	30.26
100%		+30	5290029.49	29.49
100%		+40	5290038.73	38.73
100%		+50	5290041.85	41.85
115%	7.3	+20	5290046.60	46.60
End. Point	8.8	+20	5290042.00	42.00

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5530027.97	27.97
100%		-30	5530051.41	51.41
100%		-20	5530045.30	45.3
100%		-10	5530038.36	38.36
100%		0	5530034.78	34.78
100%		+10	5530031.87	31.87
100%		+30	5530030.97	30.97
100%		+40	5530040.34	40.34
100%		+50	5530044.87	44.87
115%	7.3	+20	5530046.44	46.44
End. Point	8.8	+20	5530042.66	42.66

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5775030.54	30.54
100%		-30	5775053.90	53.90
100%		-20	5775046.04	46.04
100%		-10	5775039.66	39.66
100%		0	5775035.94	35.94
100%		+10	5775031.95	31.95
100%		+30	5775033.17	33.17
100%		+40	5775041.70	41.7
100%		+50	5775045.20	45.20
115%	7.3	+20	5775050.04	50.04
End. Point	8.8	+20	5775044.80	44.8

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

2 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5210024.77	24.77
100%		-30	5210048.02	48.02
100%		-20	5210041.17	41.17
100%		-10	5210035.46	35.46
100%		0	5210031.75	31.75
100%		+10	5210028.32	28.32
100%		+30	5210028.75	28.75
100%		+40	5210037.74	37.74
100%		+50	5210042.04	42.04
115%	7.3	+20	5210043.47	43.47
End. Point	8.8	+20	5210038.56	38.56

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5290026.49	26.49
100%		-30	5290051.29	51.29
100%		-20	5290043.20	43.20
100%		-10	5290037.42	37.42
100%		0	5290032.32	32.32
100%		+10	5290029.71	29.71
100%		+30	5290029.56	29.56
100%		+40	5290039.17	39.17
100%		+50	5290043.67	43.67
115%	7.3	+20	5290044.99	44.99
End. Point	8.8	+20	5290041.16	41.16

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5530031.44	31.44
100%		-30	5530055.94	55.94
100%		-20	5530049.28	49.28
100%		-10	5530042.18	42.18
100%		0	5530037.22	37.22
100%		+10	5530034.22	34.22
100%		+30	5530034.49	34.49
100%		+40	5530042.75	42.75
100%		+50	5530048.31	48.31
115%	7.3	+20	5530048.88	48.88
End. Point	8.8	+20	5530046.34	46.34

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5775027.25	27.25
100%		-30	5775051.40	51.40
100%		-20	5775045.27	45.27
100%		-10	5775038.25	38.25
100%		0	5775033.28	33.28
100%		+10	5775030.76	30.76
100%		+30	5775031.14	31.14
100%		+40	5775041.79	41.79
100%		+50	5775045.47	45.47
115%	7.3	+20	5775046.57	46.57
End. Point	8.8	+20	5775041.20	41.2

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

5 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5210033.31	33.31
100%		-30	5210057.93	57.93
100%		-20	5210050.64	50.64
100%		-10	5210043.77	43.77
100%		0	5210038.73	38.73
100%		+10	5210035.05	35.05
100%		+30	5210035.44	35.44
100%		+40	5210043.23	43.23
100%		+50	5210047.24	47.24
115%	7.3	+20	5210052.30	52.30
End. Point	8.8	+20	5210047.62	47.62

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5290036.15	36.15
100%		-30	5290059.81	59.81
100%		-20	5290053.63	53.63
100%		-10	5290048.19	48.19
100%		0	5290044.31	44.31
100%		+10	5290040.83	40.83
100%		+30	5290038.84	38.84
100%		+40	5290048.26	48.26
100%		+50	5290052.65	52.65
115%	7.3	+20	5290054.76	54.76
End. Point	8.8	+20	5290050.13	50.13

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5530029.16	29.16
100%		-30	5530052.12	52.12
100%		-20	5530045.38	45.38
100%		-10	5530039.17	39.17
100%		0	5530035.41	35.41
100%		+10	5530032.04	32.04
100%		+30	5530032.66	32.66
100%		+40	5530042.05	42.05
100%		+50	5530046.34	46.34
115%	7.3	+20	5530047.87	47.87
End. Point	8.8	+20	5530042.44	42.44

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5775034.62	34.62
100%		-30	5775058.99	58.99
100%		-20	5775052.88	52.88
100%		-10	5775046.43	46.43
100%		0	5775041.35	41.35
100%		+10	5775037.26	37.26
100%		+30	5775036.94	36.94
100%		+40	5775046.50	46.5
100%		+50	5775052.29	52.29
115%	7.3	+20	5775051.83	51.83
End. Point	8.8	+20	5775048.68	48.68

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5210029.79	29.79
100%		-30	5210054.41	54.41
100%		-20	5210048.28	48.28
100%		-10	5210042.30	42.30
100%		0	5210037.84	37.84
100%		+10	5210033.99	33.99
100%		+30	5210033.21	33.21
100%		+40	5210042.23	42.23
100%		+50	5210047.35	47.35
115%	7.3	+20	5210047.67	47.67
End. Point	8.8	+20	5210044.76	44.76

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5290032.74	32.74
100%		-30	5290057.05	57.05
100%		-20	5290050.54	50.54
100%		-10	5290043.46	43.46
100%		0	5290038.73	38.73
100%		+10	5290034.67	34.67
100%		+30	5290035.69	35.69
100%		+40	5290044.63	44.63
100%		+50	5290048.42	48.42
115%	7.3	+20	5290051.95	51.95
End. Point	8.8	+20	5290047.75	47.75

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5530027.43	27.43
100%		-30	5530050.83	50.83
100%		-20	5530042.96	42.96
100%		-10	5530037.55	37.55
100%		0	5530033.60	33.6
100%		+10	5530029.89	29.89
100%		+30	5530029.67	29.67
100%		+40	5530038.72	38.72
100%		+50	5530041.99	41.99
115%	7.3	+20	5530047.16	47.16
End. Point	8.8	+20	5530041.06	41.06

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5775032.19	32.19
100%		-30	5775056.21	56.21
100%		-20	5775049.94	49.94
100%		-10	5775044.61	44.61
100%		0	5775039.53	39.53
100%		+10	5775037.08	37.08
100%		+30	5775035.54	35.54
100%		+40	5775043.66	43.66
100%		+50	5775048.59	48.59
115%	7.3	+20	5775050.26	50.26
End. Point	8.8	+20	5775045.37	45.37

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

[ANT2]

Startup after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5210033.36	33.36
100%		-30	5210056.68	56.68
100%		-20	5210049.72	49.72
100%		-10	5210043.53	43.53
100%		0	5210040.17	40.17
100%		+10	5210037.83	37.83
100%		+30	5210036.12	36.12
100%		+40	5210044.73	44.73
100%		+50	5210050.10	50.10
115%	7.3	+20	5210050.99	50.99
End. Point	8.8	+20	5210048.22	48.22

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5290029.82	29.82
100%		-30	5290053.88	53.88
100%		-20	5290046.04	46.04
100%		-10	5290040.86	40.86
100%		0	5290036.75	36.75
100%		+10	5290033.03	33.03
100%		+30	5290033.91	33.91
100%		+40	5290043.53	43.53
100%		+50	5290048.56	48.56
115%	7.3	+20	5290047.79	47.79
End. Point	8.8	+20	5290043.48	43.48

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5530032.49	32.49
100%		-30	5530057.25	57.25
100%		-20	5530050.20	50.20
100%		-10	5530044.41	44.41
100%		0	5530040.84	40.84
100%		+10	5530037.50	37.50
100%		+30	5530035.78	35.78
100%		+40	5530045.24	45.24
100%		+50	5530050.79	50.79
115%	7.3	+20	5530049.94	49.94
End. Point	8.8	+20	5530047.78	47.78

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5775034.51	34.51
100%		-30	5775058.23	58.23
100%		-20	5775051.90	51.90
100%		-10	5775044.91	44.91
100%		0	5775040.11	40.11
100%		+10	5775036.64	36.64
100%		+30	5775036.83	36.83
100%		+40	5775045.98	45.98
100%		+50	5775050.69	50.69
115%	7.3	+20	5775052.80	52.80
End. Point	8.8	+20	5775050.27	50.27

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

2 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5210028.12	28.12
100%		-30	5210052.39	52.39
100%		-20	5210045.02	45.02
100%		-10	5210039.72	39.72
100%		0	5210035.65	35.65
100%		+10	5210033.06	33.06
100%		+30	5210030.29	30.29
100%		+40	5210039.63	39.63
100%		+50	5210044.99	44.99
115%	7.3	+20	5210045.76	45.76
End. Point	8.8	+20	5210044.10	44.10

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5290036.44	36.44
100%		-30	5290059.63	59.63
100%		-20	5290052.92	52.92
100%		-10	5290046.55	46.55
100%		0	5290043.30	43.30
100%		+10	5290039.38	39.38
100%		+30	5290040.22	40.22
100%		+40	5290050.25	50.25
100%		+50	5290055.21	55.21
115%	7.3	+20	5290054.48	54.48
End. Point	8.8	+20	5290050.85	50.85

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5530031.18	31.18
100%		-30	5530054.40	54.40
100%		-20	5530047.73	47.73
100%		-10	5530040.69	40.69
100%		0	5530037.03	37.03
100%		+10	5530034.27	34.27
100%		+30	5530034.16	34.16
100%		+40	5530043.43	43.43
100%		+50	5530049.17	49.17
115%	7.3	+20	5530048.44	48.44
End. Point	8.8	+20	5530046.97	46.97

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5775036.14	36.14
100%		-30	5775060.96	60.96
100%		-20	5775053.68	53.68
100%		-10	5775048.22	48.22
100%		0	5775043.72	43.72
100%		+10	5775040.32	40.32
100%		+30	5775039.51	39.51
100%		+40	5775049.19	49.19
100%		+50	5775055.25	55.25
115%	7.3	+20	5775053.08	53.08
End. Point	8.8	+20	5775049.47	49.47

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

5 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5210033.65	33.65
100%		-30	5210056.82	56.82
100%		-20	5210050.47	50.47
100%		-10	5210044.32	44.32
100%		0	5210040.53	40.53
100%		+10	5210038.28	38.28
100%		+30	5210036.08	36.08
100%		+40	5210044.02	44.02
100%		+50	5210048.56	48.56
115%	7.3	+20	5210052.11	52.11
End. Point	8.8	+20	5210048.01	48.01

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5290029.92	29.92
100%		-30	5290054.33	54.33
100%		-20	5290047.16	47.16
100%		-10	5290041.08	41.08
100%		0	5290037.45	37.45
100%		+10	5290034.13	34.13
100%		+30	5290033.90	33.90
100%		+40	5290043.59	43.59
100%		+50	5290049.23	49.23
115%	7.3	+20	5290047.28	47.28
End. Point	8.8	+20	5290044.04	44.04

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5530030.47	30.47
100%		-30	5530055.05	55.05
100%		-20	5530048.53	48.53
100%		-10	5530041.61	41.61
100%		0	5530038.36	38.36
100%		+10	5530035.66	35.66
100%		+30	5530034.04	34.04
100%		+40	5530042.22	42.22
100%		+50	5530048.20	48.20
115%	7.3	+20	5530047.49	47.49
End. Point	8.8	+20	5530045.53	45.53

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5775035.28	35.28
100%		-30	5775058.79	58.79
100%		-20	5775052.31	52.31
100%		-10	5775046.97	46.97
100%		0	5775043.78	43.78
100%		+10	5775039.70	39.70
100%		+30	5775038.48	38.48
100%		+40	5775047.49	47.49
100%		+50	5775052.56	52.56
115%	7.3	+20	5775053.21	53.21
End. Point	8.8	+20	5775050.86	50.86

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5210031.69	31.69
100%		-30	5210055.31	55.31
100%		-20	5210048.07	48.07
100%		-10	5210041.01	41.01
100%		0	5210037.82	37.82
100%		+10	5210034.35	34.35
100%		+30	5210034.46	34.46
100%		+40	5210044.52	44.52
100%		+50	5210049.15	49.15
115%	7.3	+20	5210050.06	50.06
End. Point	8.8	+20	5210046.58	46.58

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5290036.84	36.84
100%		-30	5290060.93	60.93
100%		-20	5290053.32	53.32
100%		-10	5290048.16	48.16
100%		0	5290044.29	44.29
100%		+10	5290040.83	40.83
100%		+30	5290040.47	40.47
100%		+40	5290049.59	49.59
100%		+50	5290054.29	54.29
115%	7.3	+20	5290055.14	55.14
End. Point	8.8	+20	5290050.45	50.45

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5530031.25	31.25
100%		-30	5530055.75	55.75
100%		-20	5530048.05	48.05
100%		-10	5530040.97	40.97
100%		0	5530036.60	36.60
100%		+10	5530034.01	34.01
100%		+30	5530035.00	35.00
100%		+40	5530043.02	43.02
100%		+50	5530048.63	48.63
115%	7.3	+20	5530048.64	48.64
End. Point	8.8	+20	5530044.73	44.73

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 7.70 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	7.7	+20(Ref)	5775029.66	29.66
100%		-30	5775052.88	52.88
100%		-20	5775045.28	45.28
100%		-10	5775039.80	39.80
100%		0	5775035.23	35.23
100%		+10	5775032.07	32.07
100%		+30	5775033.25	33.25
100%		+40	5775040.78	40.78
100%		+50	5775044.02	44.02
115%	7.3	+20	5775049.42	49.42
End. Point	8.8	+20	5775044.29	44.29

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10.7 STRADDLE CHANNEL

10.7.1 26dB Bandwidth

[ANT1]

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11a	UNII 2C	5720	144	5710.36	14.64
802.11n(HT20)				5709.32	15.68
802.11ac(VHT20)				5710.00	15.00
802.11a	UNII 3	5720	144	5729.52	4.52
802.11n(HT20)				5730.56	5.56
802.11ac(VHT20)				5730.40	5.40

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	5690.00	35.00
802.11ac(VHT40)				5690.24	34.76
802.11n(HT40)	UNII 3	5710	142	5729.76	4.76
802.11ac(VHT40)				5729.68	4.68

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11ac(VHT80)	UNII 2C	5690	138	5649.80	75.20
	UNII 3	5690	138	5730.68	5.68

Note:

[UNII 2C] 26dB Bandwidth = 5725MHz - Measured Frequency[MHz]

[UNII 3C] 26dB Bandwidth = Measured Frequency[MHz] -5725MHz

[ANT2]

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11a	UNII 2C	5720	144	5709.68	15.32
802.11n(HT20)				5710.28	14.72
802.11ac(VHT20)				5710.00	15.00
802.11a	UNII 3	5720	144	5730.08	5.08
802.11n(HT20)				5730.36	5.36
802.11ac(VHT20)				5730.52	5.52

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11n(HT40)	UNII 2C	5710	142	5690.00	35.00
802.11ac(VHT40)				5690.08	34.92
802.11n(HT40)	UNII 3	5710	142	5729.84	4.84
802.11ac(VHT40)				5730.08	5.08

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	26dB Bandwidth [MHz]
802.11ac(VHT80)	UNII 2C	5690	138	5649.68	75.32
	UNII 3	5690	138	5730.92	5.92

Note:

[UNII 2C] 26dB Bandwidth = 5725MHz - Measured Frequency[MHz]

[UNII 3C] 26dB Bandwidth = Measured Frequency[MHz] -5725MHz

[ANT1]

Test Plots (26dB Bandwidth)

802.11a UNII Band



802.11n(HT20) UNII Band



802.11ac(VHT20) UNII Band



Test Plots (26dB Bandwidth)

802.11n(HT40) UNII Band



802.11ac(VHT40) UNII Band



802.11ac(VHT80) UNII Band



[ANT2]

Test Plots (26dB Bandwidth)

802.11a UNII Band



802.11n(HT20) UNII Band



802.11ac(VHT20) UNII Band

