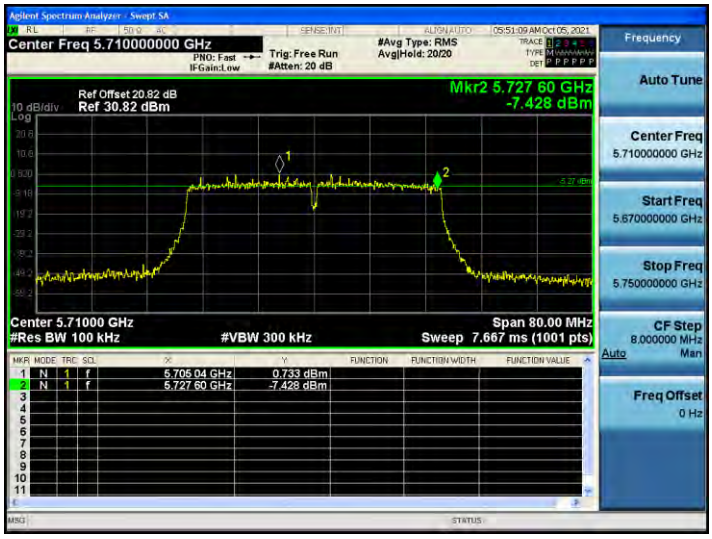
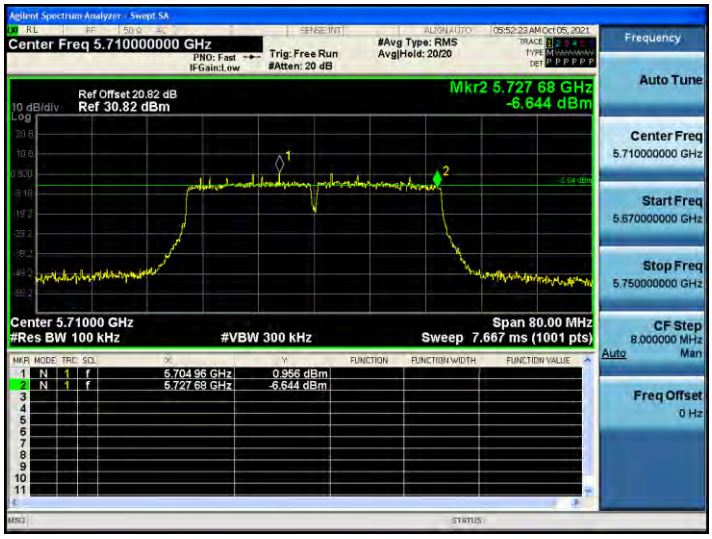
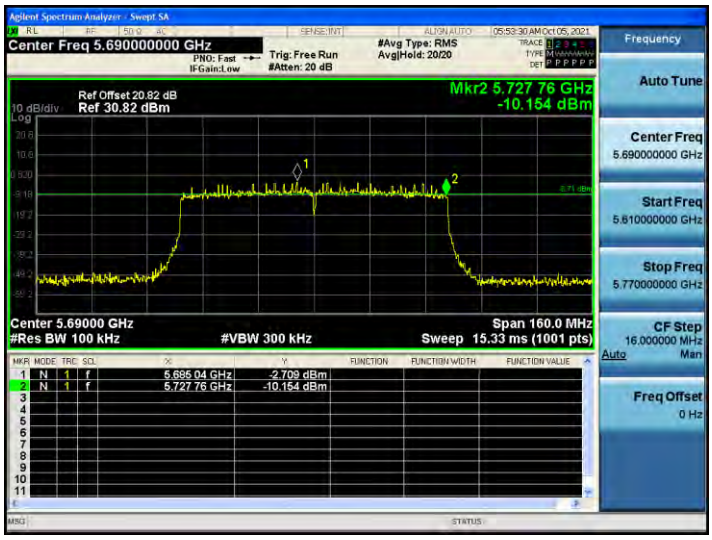
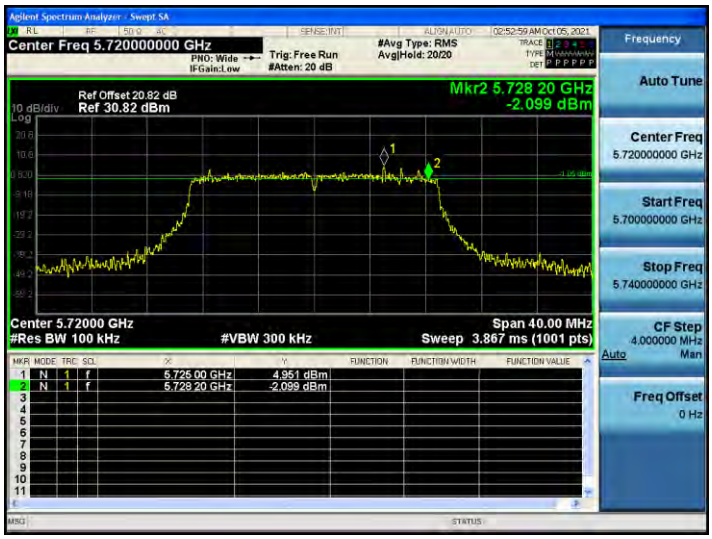
802.11n_HT40 CH.142	802.11ac_VHT40 CH.142
	

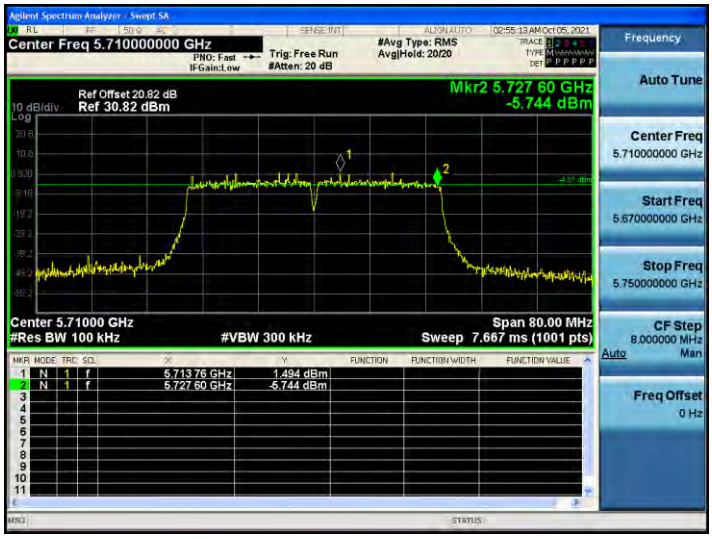
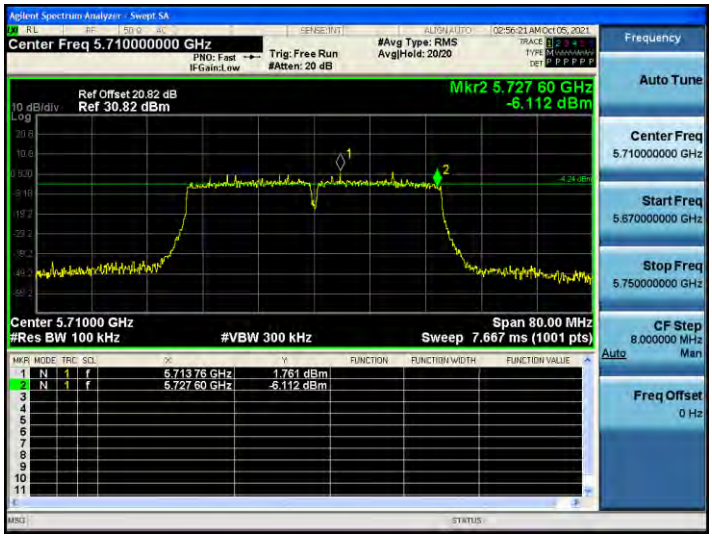
802.11ac_VHT80 CH.138


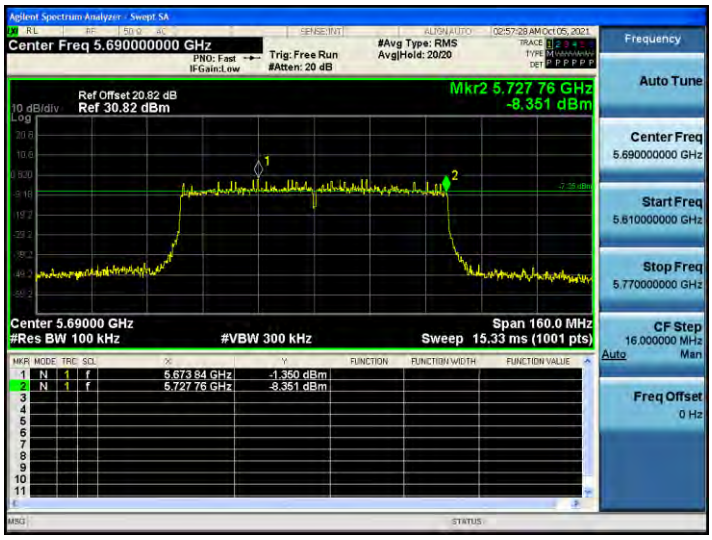
[Ant.2]

▣ Test Plots(UNII 3 Band 6 dB Bandwidth)

802.11a CH.144	802.11n_HT20 CH.144
	

802.11ac_VHT20 CH.144


802.11n_HT40 CH.142	802.11ac_VHT40 CH.142
	

802.11ac_VHT80 CH.138


10.7.3 Output Power

[UNII 2C & 3]

[Ant.1]

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)	Worstcase Datarate
802.11a	5720 (UNII 2C Band)	144	15.14	0.282	15.42	22.63	6 Mbps
802.11n(HT20)			14.92	0.329	15.25	22.80	MCS0
802.11ac(VHT20)			14.87	0.329	15.20	22.77	MCS0
802.11a	5720 (UNII 3 Band)	144	8.70	0.282	8.98	30.00	6 Mbps
802.11n(HT20)			8.88	0.329	9.21	30.00	MCS0
802.11ac(VHT20)			8.83	0.329	9.16	30.00	MCS0

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)	Worstcase Datarate
802.11n(HT40)	5710 (UNII 2C Band)	142	13.96	0.630	14.59	23.98	MCS0
802.11ac(VHT40)			13.98	0.626	14.60	23.98	MCS0
802.11n(HT40)	5710 (UNII 3 Band)	142	2.95	0.630	3.58	30.00	MCS0
802.11ac(VHT40)			2.98	0.626	3.61	30.00	MCS0

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)	Worstcase Datarate
802.11ac(VHT80)	5690 (UNII 2C Band)	138	12.40	1.167	13.57	23.98	MCS0
	5690 (UNII 3 Band)	138	-1.79	1.167	-0.62	30.00	MCS0

[Ant.2]

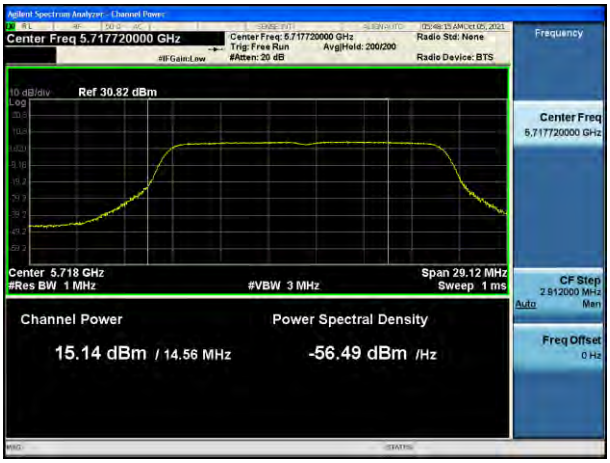
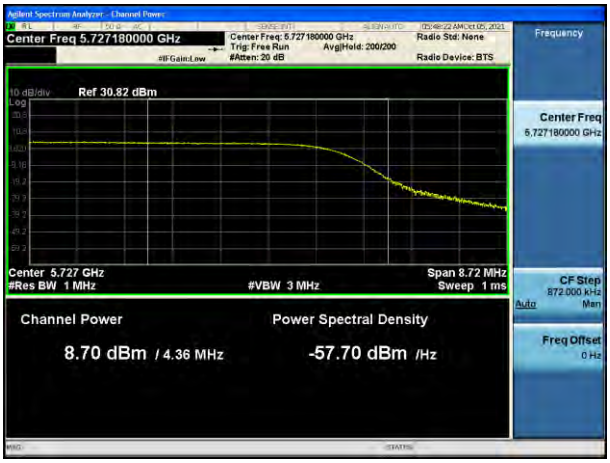
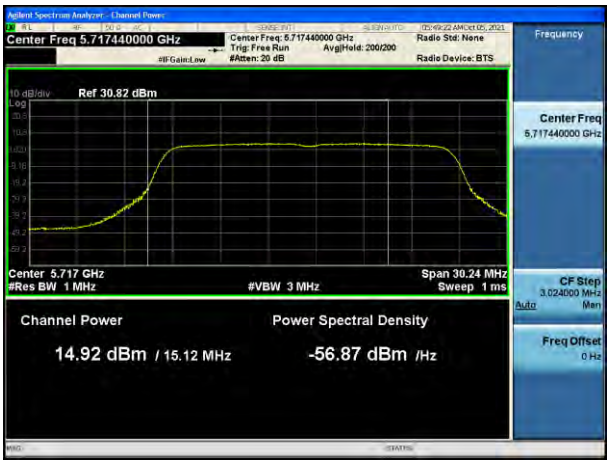
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)	Worstcase Datarate
802.11a	5720 (UNII 2C Band)	144	15.43	0.282	15.71	22.66	6 Mbps
802.11n(HT20)			15.19	0.329	15.52	22.75	MCS0
802.11ac(VHT20)			15.16	0.329	15.48	22.75	MCS0
802.11a	5720 (UNII 3 Band)	144	9.01	0.282	9.30	30.00	6 Mbps
802.11n(HT20)			9.18	0.329	9.51	30.00	MCS0
802.11ac(VHT20)			9.20	0.329	9.53	30.00	MCS0

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)	Worstcase Datarate
802.11n(HT40)	5710 (UNII 2C Band)	142	14.60	4.967	19.56	23.98	MCS0
802.11ac(VHT40)			14.56	0.626	15.18	23.98	MCS0
802.11n(HT40)	5710 (UNII 3 Band)	142	3.59	4.967	8.56	30.00	MCS0
802.11ac(VHT40)			3.64	0.626	4.27	30.00	MCS0

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)	Worstcase Datarate
802.11ac(VHT80)	5690 (UNII 2C Band)	138	13.81	1.167	14.97	23.98	MCS0
	5690 (UNII 3 Band)	138	-0.47	1.167	0.70	30.00	MCS0

[Ant.1]

▣ Test Plots_

802.11a UNII 2C Band	802.11a UNII 3 Band
	
802.11n(HT20) UNII 2C Band	**802.11n(HT20) UNII 3 Band**
	
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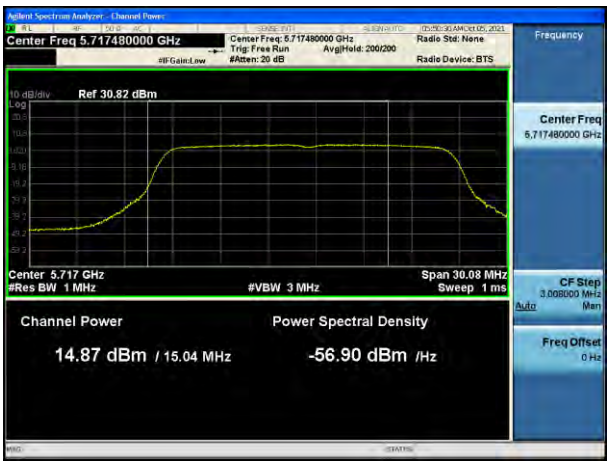
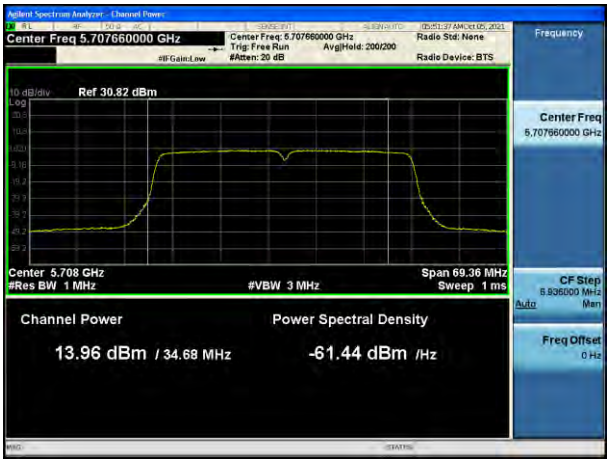
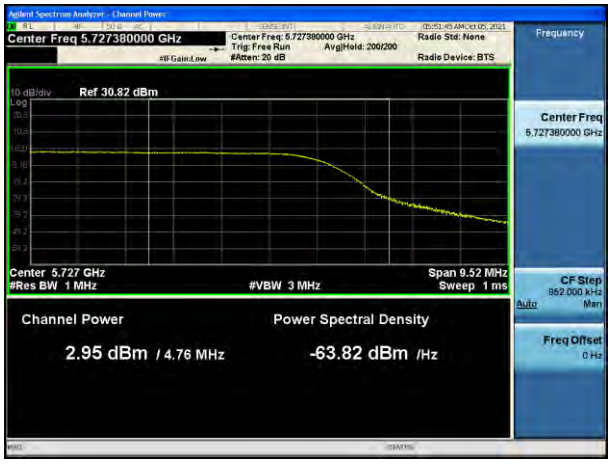
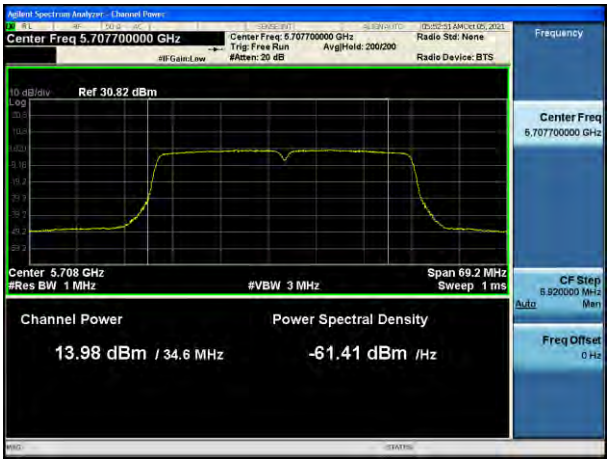
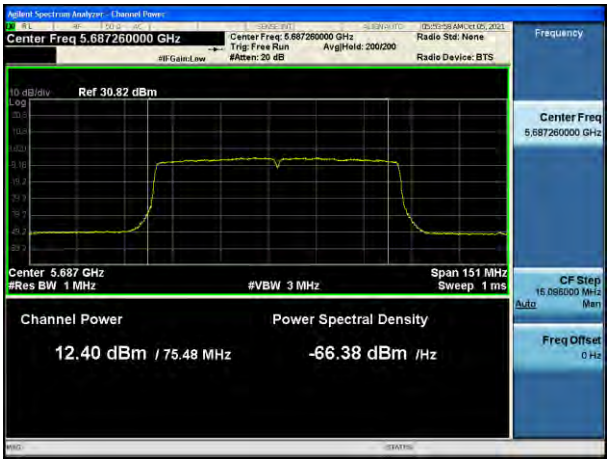
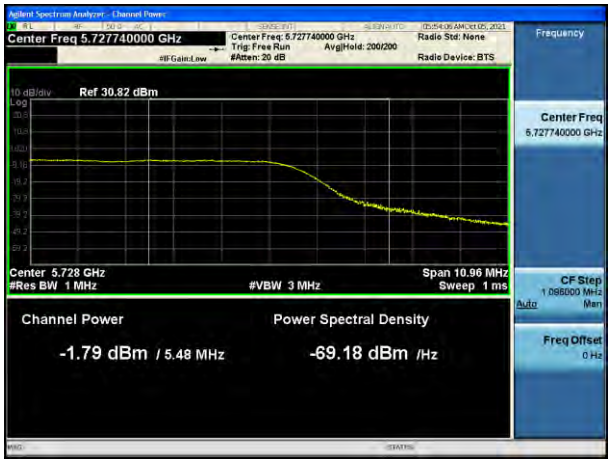
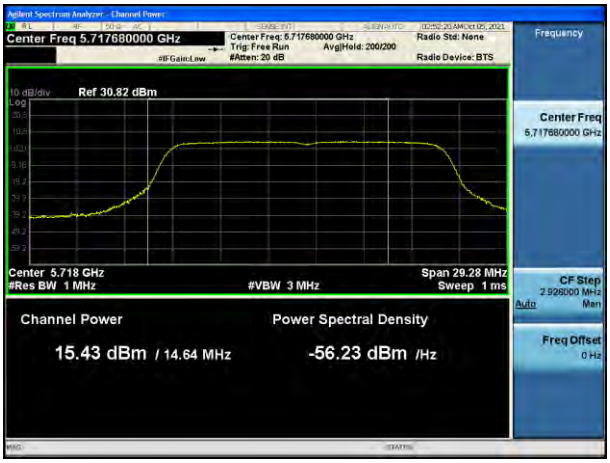
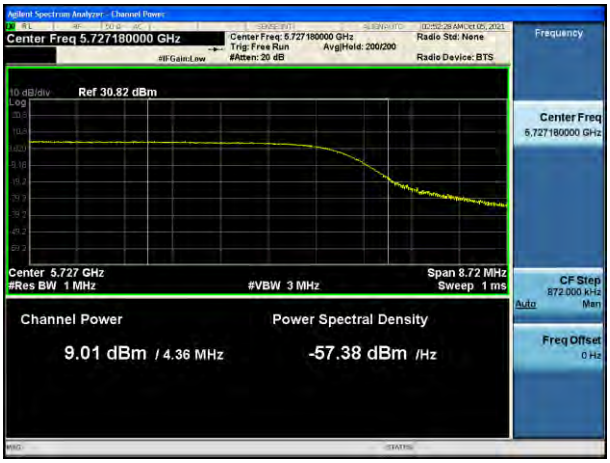
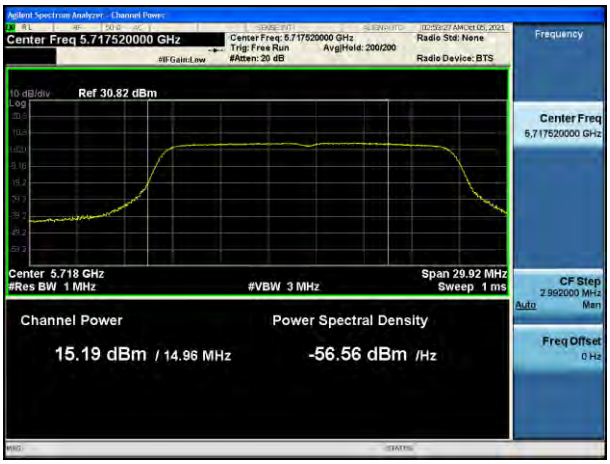
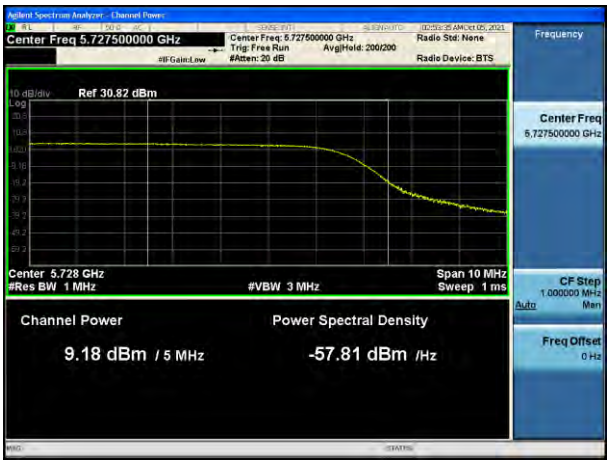
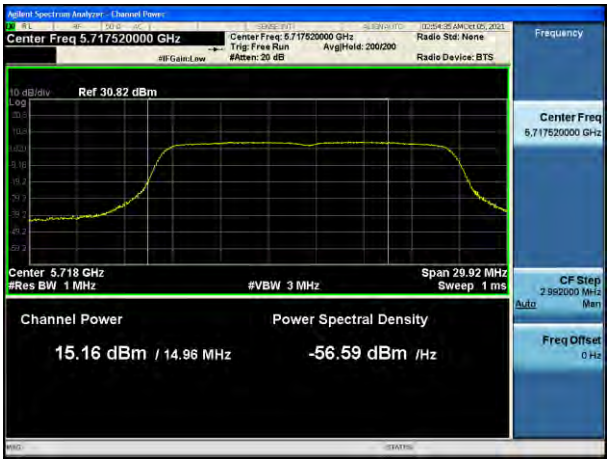
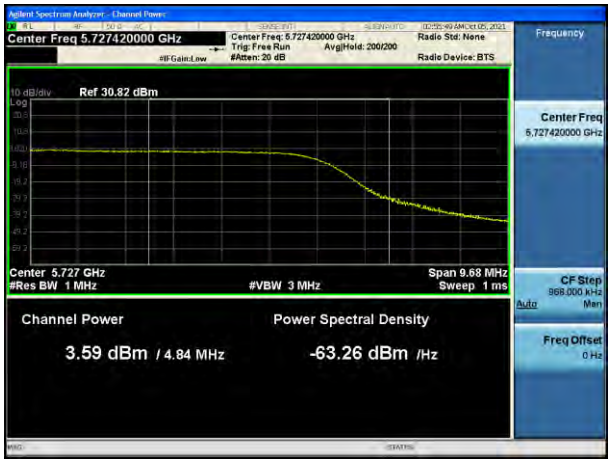
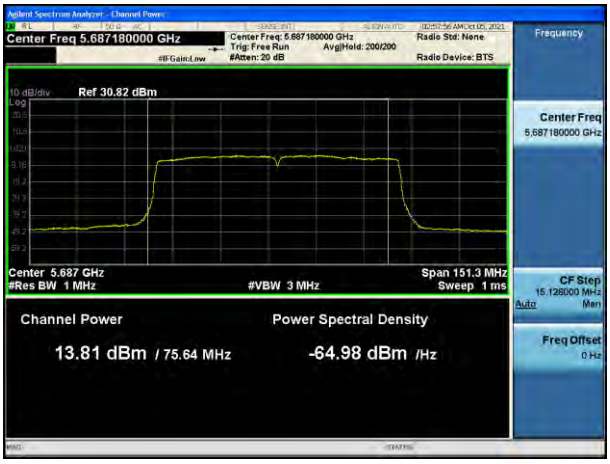
	

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
	
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
	
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**
	

[Ant.2]

▣ Test Plots_

802.11a UNII 2C Band	802.11a UNII 3 Band
	
802.11n(HT20) UNII 2C Band	**802.11n(HT20) UNII 3 Band**
	
802.11ac(VHT20) UNII 2C Band	**802.11ac(VHT20) UNII 3 Band**
	

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
	
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
	
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**
	

[UNII 3 & 4] (5.725-5.850 GHz and 5.850-5.895 GHz bands)

[Ant.1]

U-NII 3 (Ch.169 /167 /171) Average Power

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11a	UNII 3	5845	169	11.88	0.282	12.16	30dBm (e.i.r.p)
802.11n(HT20)				13.54	0.329	13.87	
802.11ac(VHT20)				13.14	0.329	13.47	

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11n(HT40)	UNII 3	5835	167	5.74	0.630	6.37	30dBm (e.i.r.p)
802.11ac(VHT40)				10.18	0.626	10.81	

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11ac(VHT80)	UNII 3	5855	171	9.29	1.167	10.46	30dBm (e.i.r.p)

Note:

- Antenna gain negative, final result Pass

U-NII 4 (Ch.169 /167 /171) Average Power EIRP

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	ANT Gain (dBi)	EIRP Power (dBm)	Limit (dBm)
802.11a	UNII 4	5845	169	5.59	0.282	5.88	-5.62	0.26	30dBm (e.i.r.p)
802.11n(HT20)				7.65	0.329	7.98	-5.62	2.36	
802.11ac(VHT20)				7.30	0.329	7.63	-5.62	2.01	

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	ANT Gain (dBi)	EIRP Power (dBm)	Limit (dBm)
802.11n(HT40)	UNII 4	5835	167	-4.77	0.630	-4.14	-5.62	-9.76	30dBm (e.i.r.p)
802.11ac(VHT40)				-0.23	0.626	0.40	-5.62	-5.22	

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	ANT Gain (dBi)	EIRP Power (dBm)	Limit (dBm)
802.11ac(VHT80)	UNII 4	5855	171	10.16	1.167	11.33	-5.62	5.71	30dBm (e.i.r.p)

[UNII 3 & 4] (5.725-5.850 GHz and 5.850-5.895 GHz bands)

[Ant.2]

U-NII 3 (Ch.169 /167 /171) Average Power

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11a	UNII 3	5845	169	11.60	0.282	11.88	30dBm (e.i.r.p)
802.11n(HT20)				13.11	0.329	13.43	
802.11ac(VHT20)				12.63	0.329	12.96	

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11n(HT40)	UNII 3	5835	167	6.06	0.630	6.69	30dBm (e.i.r.p)
802.11ac(VHT40)				10.40	0.626	11.03	

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11ac(VHT80)	UNII 3	5855	171	8.57	1.167	9.74	30dBm (e.i.r.p)

Note:

- Antenna gain negative, final result Pass

U-NII 4 (Ch.169 /167 /171) Average Power EIRP

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	ANT Gain (dBi)	EIRP Power (dBm)	Limit (dBm)
802.11a	UNII 4	5845	169	5.45	0.282	5.73	-5.75	-0.02	30dBm (e.i.r.p)
802.11n(HT20)				7.45	0.329	7.78	-5.75	2.03	
802.11ac(VHT20)				7.07	0.329	7.40	-5.75	1.65	

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	ANT Gain (dBi)	EIRP Power (dBm)	Limit (dBm)
802.11n(HT40)	UNII 4	5835	167	-3.98	0.630	-3.35	-5.75	-9.10	30dBm (e.i.r.p)
802.11ac(VHT40)				-0.36	0.626	0.27	-5.75	-5.48	

Mode	Band	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Result (dBm)	ANT Gain (dBi)	EIRP Power (dBm)	Limit (dBm)
802.11ac(VHT80)	UNII 4	5855	171	10.10	1.167	11.27	-5.75	5.52	30dBm (e.i.r.p)

10.7.4 Power Spectral Density

[UNII 2C & 3]

[Ant.1]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)	Worstcase Datarate
802.11a	5720 (UNII 2C Band)	144	4.988	0.282	5.270	11dBm/ MHz	6 Mbps
802.11n(HT20)			4.893	0.329	5.222		MCS0
802.11ac(VHT20)			4.730	0.329	5.059		MCS0
802.11a	5720 (UNII 3 Band)	144	2.076	0.282	2.358	30 dB/ 500 kHz	6 Mbps
802.11n(HT20)			1.646	0.329	1.975		MCS0
802.11ac(VHT20)			1.621	0.329	1.950		MCS0

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)	Worstcase Datarate
802.11n(HT40)	5710 (UNII 2C Band)	142	0.175	0.630	0.804	11dBm/ MHz	MCS0
802.11ac(VHT40)			0.214	0.626	0.839		MCS0
802.11n(HT40)	5710 (UNII 3 Band)	142	-4.424	0.630	-3.794	30 dBm/ 500 kHz	MCS0
802.11ac(VHT40)			-4.436	0.626	-3.811		MCS0

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)	Worstcase Datarate
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-4.766	1.167	-3.599	11dBm/ MHz	MCS0
	5690 (UNII 3 Band)	138	-9.389	1.167	-8.222	30 dBm/ 500 kHz	MCS0

[Ant.2]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)	Worstcase Datarate
802.11a	5720 (UNII 2C Band)	144	5.338	0.282	5.620	11dBm/ MHz	6 Mbps
802.11n(HT20)			4.822	0.329	5.152		MCS0
802.11ac(VHT20)			4.949	0.329	5.278		MCS0
802.11a	5720 (UNII 3 Band)	144	1.727	0.282	2.009	30 dBm/ 500 kHz	6 Mbps
802.11n(HT20)			1.777	0.329	2.106		MCS0
802.11ac(VHT20)			1.414	0.329	1.743		MCS0

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)	Worstcase Datarate
802.11n(HT40)	5710 (UNII 2C Band)	142	0.833	4.967	5.801	11dBm/ MHz	MCS0
802.11ac(VHT40)			0.695	0.626	1.320		MCS0
802.11n(HT40)	5710 (UNII 3 Band)	142	-3.192	4.967	1.775	30 dBm/ 500 kHz	MCS0
802.11ac(VHT40)			-3.511	0.626	-2.885		MCS0

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)	Worstcase Datarate
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-3.167	1.167	-2.000	11dBm/ MHz	MCS0
	5690 (UNII 3 Band)	138	-8.395	1.167	-7.228	30 dBm/ 500 kHz	MCS0

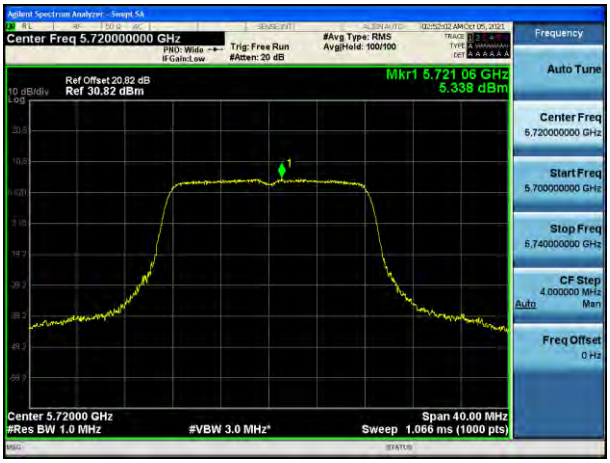
[Ant.1]
▣ Test Plots

802.11a UNII 2C Band	802.11a UNII 3 Band
	
802.11n(HT20) UNII 2C Band	**802.11n(HT20) UNII 3 Band**
	
802.11ac(VHT20) UNII 2C Band	**802.11ac(VHT20) UNII 3 Band**
	

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
	
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
	
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**
	

[Ant.2]

▣ Test Plots

802.11a UNII 2C Band	802.11a UNII 3 Band
	
802.11n(HT20) UNII 2C Band	**802.11n(HT20) UNII 3 Band**
	
802.11ac(VHT20) UNII 2C Band	**802.11ac(VHT20) UNII 3 Band**
	

802.11n(HT40) UNII 2C Band	802.11n(HT40) UNII 3 Band
	
802.11ac(VHT40) UNII 2C Band	**802.11ac(VHT40) UNII 3 Band**
	
802.11ac(VHT80) UNII 2C Band	**802.11ac(VHT80) UNII 3 Band**
	

[UNII 3 & 4]

[Ant.1]

PSD U-NII3&4 (Ch.169, 167, 171) for U-NII-3 PSD Result

Mode	Band	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11a	UNII 4	5845	169	1.290	0.282	1.572	30 dBm / 500kHz
802.11n(HT20)				0.599	0.329	0.928	
802.11ac(VHT20)				1.037	0.329	1.366	

Mode	Band	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11n(HT40)	UNII 4	5865	167	-3.468	0.630	-2.838	30 dBm / 500kHz
802.11ac(VHT40)				-3.582	0.626	-2.956	

Mode	Band	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11ac(VHT80)	UNII 3	5885	171	-6.791	1.167	-5.624	30 dBm / 500kHz

[Ant.1]

PSD U-NII3&4 (Ch.169, 167, 171) for U-NII-4 EIRP PSD Result

Mode	Frequency (MHz)	Channel No.	Test Result					
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	ANT Gain (dBi)	EIRP PSD (dBm)	Limit
802.11a	5845	169	3.253	0.282	3.535	-6.03	-2.495	14 dBm/MHz
802.11n(HT20)	5845	169	2.946	0.329	3.275	-6.03	-2.755	
802.11ac(VHT20)	5845	169	3.037	0.329	3.366	-6.03	-2.664	

Mode	Frequency (MHz)	Channel No.	Test Result					
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	ANT Gain (dBi)	EIRP PSD (dBm)	Limit
802.11n(HT40)	5835	167	-2.128	0.630	-1.498	-6.03	-7.528	14 dBm/MHz
802.11ac(VHT40)	5835	167	-2.264	0.626	-1.638	-6.03	-7.668	

Mode	Frequency (MHz)	Channel No.	Test Result					
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	ANT Gain (dBi)	EIRP PSD (dBm)	Limit
802.11ac(VHT80)	5855	171	-4.400	1.167	-3.233	-6.03	-9.263	14 dBm/MHz

[Ant.2]

PSD U-NII3&4 (Ch.169, 167, 171) for U-NII-3 PSD Result

Mode	Band	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11a	UNII 4	5845	169	0.806	0.282	1.088	30 dBm / 500kHz
802.11n(HT20)				-0.410	0.329	-0.081	
802.11ac(VHT20)				-0.318	0.329	0.011	

Mode	Band	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11n(HT40)	UNII 4	5865	167	-3.158	0.630	-2.528	30 dBm / 500kHz
802.11ac(VHT40)				-2.761	0.626	-2.135	

Mode	Band	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Result (dBm)	Limit (dBm)
802.11ac(VHT80)	UNII 3	5885	171	-7.681	1.167	-6.514	30 dBm / 500kHz

[Ant.2]

PSD U-NII3&4 (Ch.169, 167, 171) for U-NII-4 EIRP PSD Result

Mode	Frequency (MHz)	Channel No.	Test Result					
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	ANT Gain (dBi)	EIRP PSD (dBm)	Limit
802.11a	5845	169	3.394	0.282	3.676	-5.75	-2.074	14 dBm/MHz
802.11n(HT20)	5845	169	2.145	0.329	2.474	-5.75	-3.276	
802.11ac(VHT20)	5845	169	1.666	0.329	1.995	-5.75	-3.755	

Mode	Frequency (MHz)	Channel No.	Test Result					
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	ANT Gain (dBi)	EIRP PSD (dBm)	Limit
802.11n(HT40)	5835	167	-1.593	0.630	-0.963	-5.75	-6.713	14 dBm/MHz
802.11ac(VHT40)	5835	167	-1.522	0.626	-0.896	-5.75	-6.646	

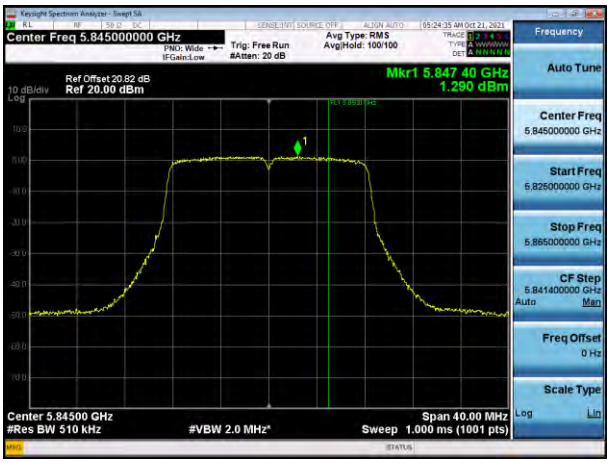
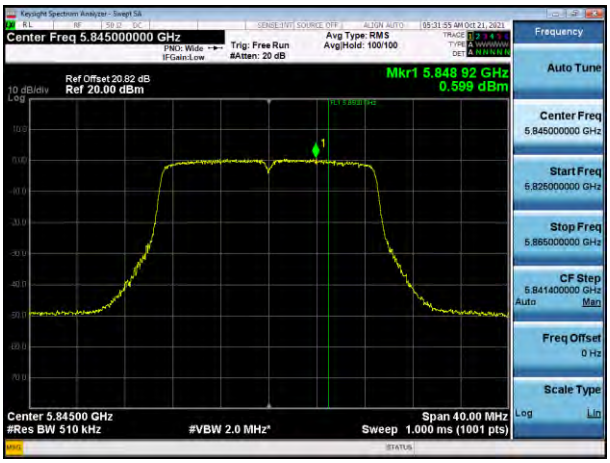
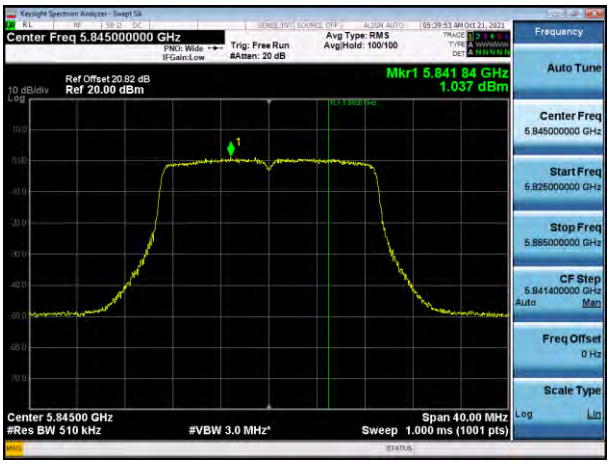
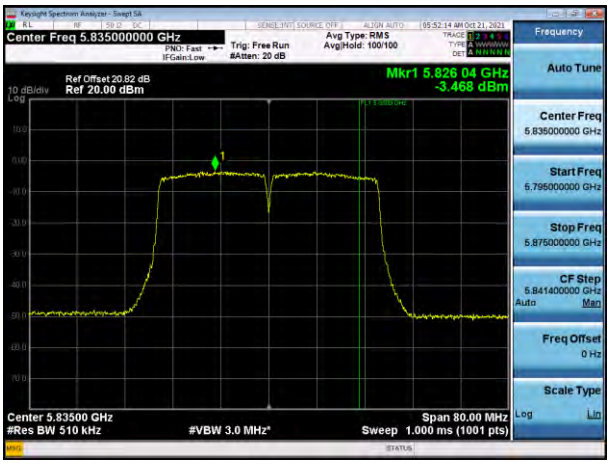
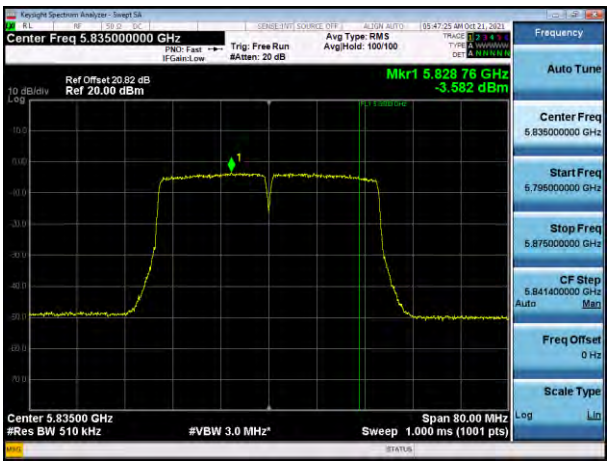
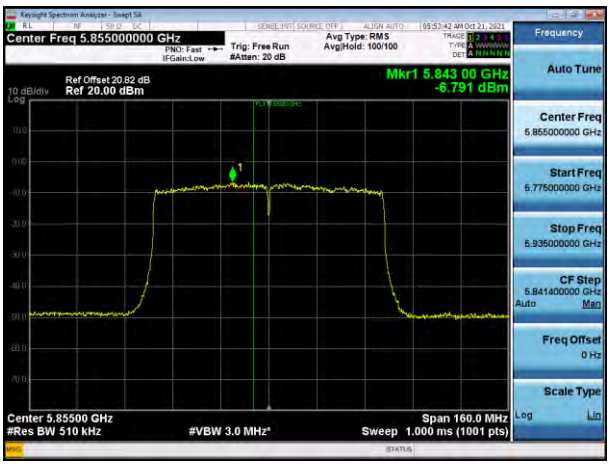
Mode	Frequency (MHz)	Channel No.	Test Result					
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	ANT Gain (dBi)	EIRP PSD (dBm)	Limit
802.11ac(VHT80)	5855	171	-4.552	1.167	-3.385	-5.75	-9.135	14 dBm/MHz

[Ant.1] UNII 3&4 Worst U-NII-3 Portion PSD (Used Conducted)

▣ Test Plots

Note:

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

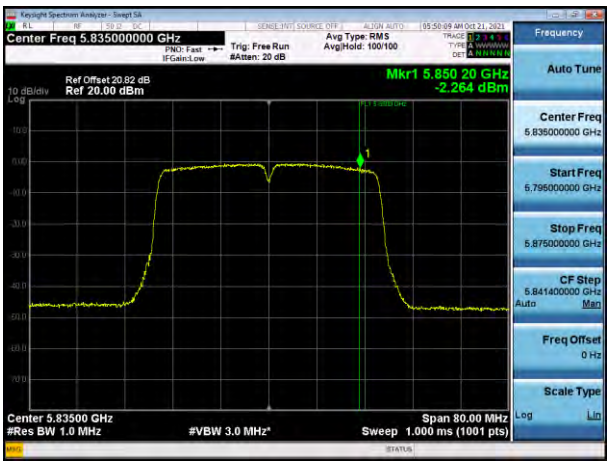
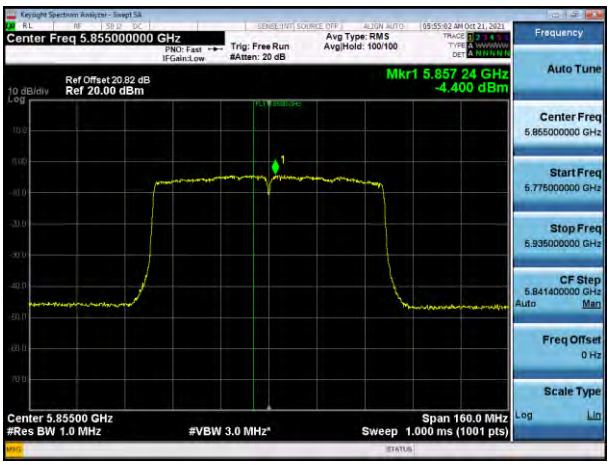
802.11a UNII 3 Portion (Ch. 169)	802.11n(HT20) UNII 3 Portion (Ch. 169)
	
802.11ac(VHT20) UNII 3 Portion (Ch. 169)	**802.11n(HT40) UNII 3 Portion (Ch. 167)**
	
802.11ac(VHT40) UNII 3 Portion (Ch. 167)	**802.11ac(VHT80) UNII 3 Portion (Ch. 171)**
	

[Ant.1] UNII 3&4 Worst U-NII-4 Portion PSD (Used EIRP PSD)

▣ Test Plots

Note:

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

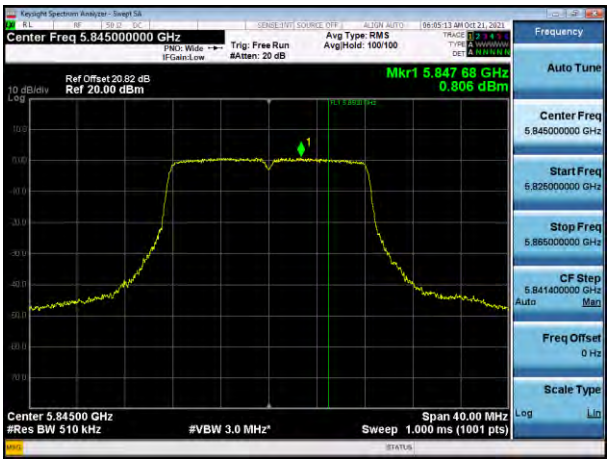
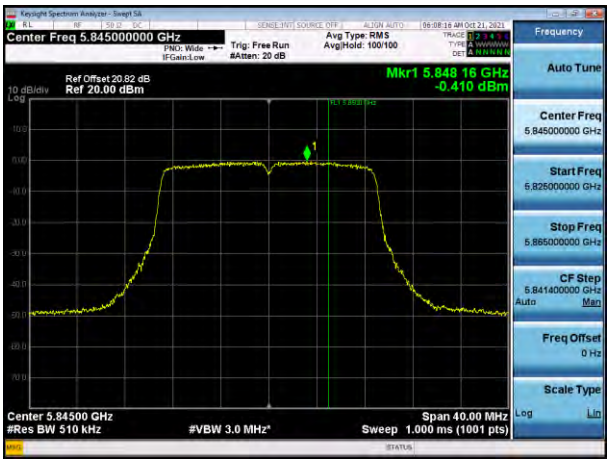
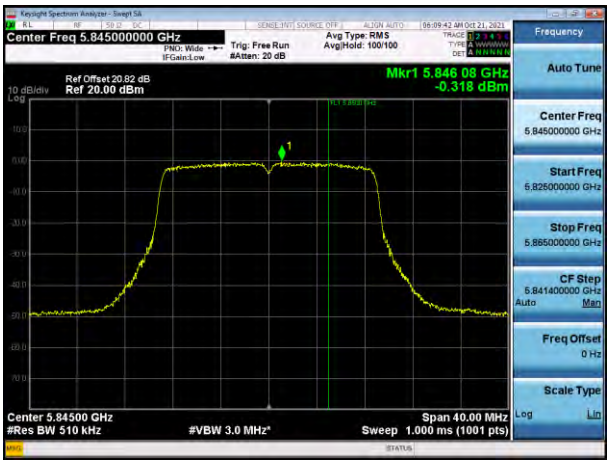
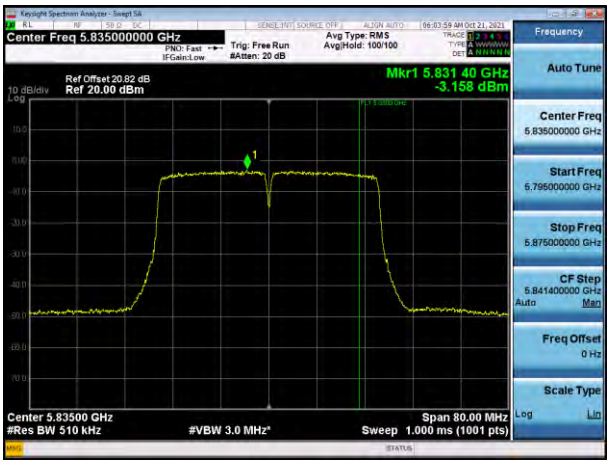
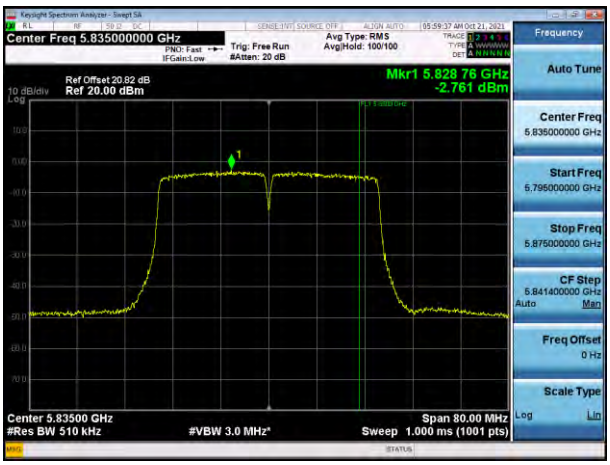
802.11a UNII 4 Portion (Ch. 169)	802.11n(HT20) UNII 4 Portion (Ch. 169)
	
802.11ac(VHT20) UNII 4 Portion (Ch. 169)	**802.11n(HT40) UNII 4 Portion (Ch. 167)**
	
802.11ac(VHT40) UNII 4 Portion (Ch. 167)	**802.11ac(VHT80) UNII 4 Portion (Ch. 171)**
	

[Ant.2] UNII 3&4 Worst U-NII-3 Portion PSD (Used Conducted)

▣ Test Plots

Note:

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

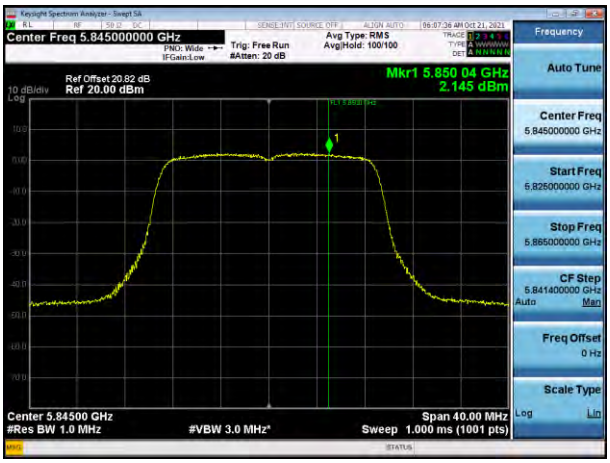
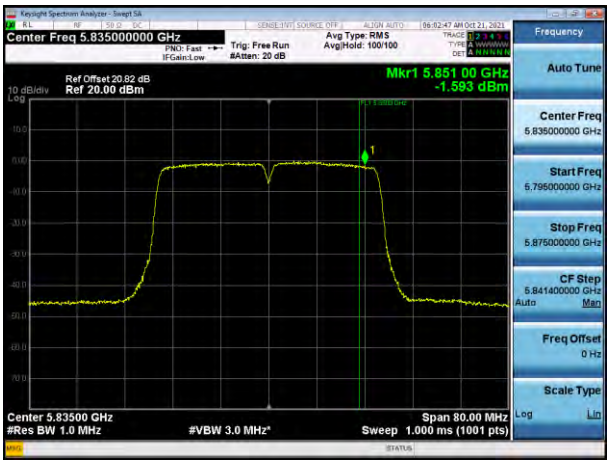
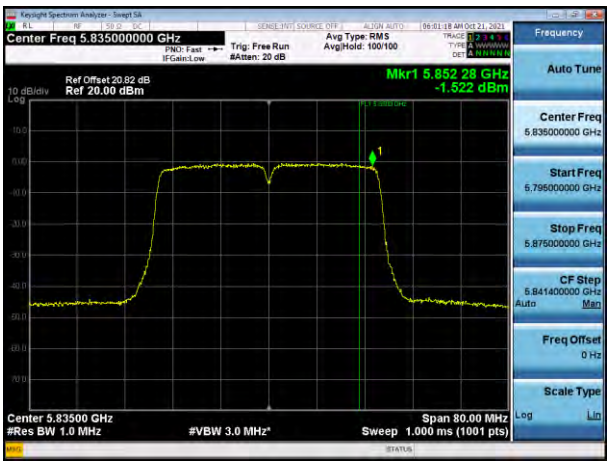
802.11a UNII 3 Portion (Ch. 169)	802.11n(HT20) UNII 3 Portion (Ch. 169)
	
802.11ac(VHT20) UNII 3 Portion (Ch. 169)	**802.11n(HT40) UNII 3 Portion (Ch. 167)**
	
802.11ac(VHT40) UNII 3 Portion (Ch. 167)	**802.11ac(VHT80) UNII 3 Portion (Ch. 171)**
	

[Ant.2] UNII 3&4 Worst U-NII-4 Portion PSD (Used EIRP PSD)

▣ Test Plots

Note:

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

802.11a UNII 4 Portion (Ch. 169)	802.11n(HT20) UNII 4 Portion (Ch. 169)
	
802.11ac(VHT20) UNII 4 Portion (Ch. 169)	**802.11n(HT40) UNII 4 Portion (Ch. 167)**
	
802.11ac(VHT40) UNII 4 Portion (Ch. 167)	**802.11ac(VHT80) UNII 4 Portion (Ch. 171)**
	

10.8 RADIATED SPURIOUS EMISSIONS

Frequency Range : 9 kHz – 30 MHz

Frequency	Measured Level	A.F+C.L+D.F	POL	Total	Limit	Margin
[MHz]	[dBμV/m]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]
No Critical peaks found						

Note:

1. The Measured 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 = 40log (specific distance / test distance) (dB)
3. Limit line = specific Limits (dBμV) + Distance extrapolation factor
4. Radiated test is performed with hopping off.

Frequency Range : Below 1 GHz

Frequency	Measured Level	A.F+C.L	ANT. POL	Total	Limit	Margin
[MHz]	[dBμV/m]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/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.
2. Radiated test is performed with hopping off.

[Ant.1&Ant.2_MIMO(CDD)]

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]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	55.39	8.05	V	63.44	68.20	4.76	PK
15540	39.11	12.94	V	52.05	73.98	21.93	PK
15540	26.05	12.94	V	38.99	53.98	14.99	AV
10360	56.48	8.05	H	64.53	68.20	3.67	PK
15540	40.24	12.94	H	53.18	73.98	20.80	PK
15540	26.18	12.94	H	39.12	53.98	14.86	AV

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10400	55.79	8.21	V	64.00	68.20	4.20	PK
15600	38.94	13.31	V	52.25	73.98	21.73	PK
15600	26.31	13.31	V	39.62	53.98	14.36	AV
10400	55.83	8.21	H	64.04	68.20	4.16	PK
15600	39.06	13.31	H	52.37	73.98	21.61	PK
15600	26.37	13.31	H	39.68	53.98	14.30	AV

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10480	53.84	8.55	V	62.39	68.20	5.81	PK
15720	39.63	13.22	V	52.85	73.98	21.13	PK
15720	25.37	13.22	V	38.59	53.98	15.39	AV
10480	54.69	8.55	H	63.24	68.20	4.96	PK
15720	39.69	13.22	H	52.91	73.98	21.07	PK
15720	26.01	13.22	H	39.23	53.98	14.75	AV

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10520	55.87	8.95	V	64.82	68.20	3.38	PK
15780	40.42	13.89	V	54.31	73.98	19.67	PK
15780	26.41	13.89	V	40.30	53.98	13.68	AV
10520	54.82	8.95	H	63.77	68.20	4.43	PK
15780	40.14	13.89	H	54.03	73.98	19.95	PK
15780	26.32	13.89	H	40.21	53.98	13.77	AV

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10600	54.44	9.57	V	64.01	73.98	9.97	PK
10600	39.61	9.57	V	49.18	53.98	4.80	AV
15900	40.44	13.31	V	53.75	73.98	20.23	PK
15900	27.04	13.31	V	40.35	53.98	13.63	AV
10600	53.66	9.57	H	63.23	73.98	10.75	PK
10600	39.47	9.57	H	49.04	53.98	4.94	AV
15900	40.15	13.31	H	53.46	73.98	20.52	PK
15900	26.99	13.31	H	40.30	53.98	13.68	AV

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10640	53.71	9.71	V	63.42	73.98	10.56	PK
10640	39.58	9.71	V	49.29	53.98	4.69	AV
15960	40.78	12.93	V	53.71	73.98	20.27	PK
15960	27.40	12.93	V	40.33	53.98	13.65	AV
10640	52.99	9.71	H	62.70	73.98	11.28	PK
10640	39.44	9.71	H	49.15	53.98	4.83	AV
15960	40.46	12.93	H	53.39	73.98	20.59	PK
15960	27.38	12.93	H	40.31	53.98	13.67	AV

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11000	45.65	9.69	V	55.34	73.98	18.64	PK
11000	31.24	9.69	V	40.93	53.98	13.05	AV
16500	40.45	12.08	V	52.53	68.20	15.67	PK
11000	46.11	9.69	H	55.80	73.98	18.18	PK
11000	32.10	9.69	H	41.79	53.98	12.19	AV
16500	41.59	12.08	H	53.67	68.20	14.53	PK

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11200	42.92	10.27	V	53.19	73.98	20.79	PK
11200	30.34	10.27	V	40.61	53.98	13.37	AV
16800	40.67	11.78	V	52.45	68.20	15.75	PK
11200	44.84	10.27	H	55.11	73.98	18.87	PK
11200	30.64	10.27	H	40.91	53.98	13.07	AV
16800	40.87	11.78	H	52.65	68.20	15.55	PK

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F. [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11440	45.67	10.57	V	56.24	73.98	17.74	PK
11440	31.12	10.57	V	41.69	53.98	12.29	AV
17160	40.84	12.01	V	52.85	68.20	15.35	PK
11440	43.99	10.57	H	54.56	73.98	19.42	PK
11440	30.08	10.57	H	40.65	53.98	13.33	AV
17160	40.34	12.01	H	52.35	68.20	15.85	PK

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11490	45.52	10.49	V	56.01	73.98	17.97	PK
11490	31.28	10.49	V	41.77	53.98	12.21	AV
17235	40.31	12.22	V	52.53	68.20	15.67	PK
11490	44.51	10.49	H	55.00	73.98	18.98	PK
11490	30.19	10.49	H	40.68	53.98	13.30	AV
17235	40.05	12.22	H	52.27	68.20	15.93	PK

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11570	46.55	9.92	V	56.47	73.98	17.51	PK
11570	31.61	9.92	V	41.53	53.98	12.45	AV
17355	40.58	13.11	V	53.69	68.20	14.51	PK
11570	45.28	9.92	H	55.20	73.98	18.78	PK
11570	30.66	9.92	H	40.58	53.98	13.40	AV
17355	40.33	13.11	H	53.44	68.20	14.76	PK

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11650	45.29	9.60	V	54.89	73.98	19.09	PK
11650	31.49	9.60	V	41.09	53.98	12.89	AV
17475	40.79	14.27	V	55.06	68.20	13.14	PK
11650	45.18	9.60	H	54.78	73.98	19.20	PK
11650	31.27	9.60	H	40.87	53.98	13.11	AV
17475	39.91	14.27	H	54.18	68.20	14.02	PK

Band :	UNII 4
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5845 MHz
Channel No.	169 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11690	45.09	9.68	V	54.77	73.98	19.21	PK
11690	31.32	9.68	V	41.00	53.98	12.98	AV
17535	39.20	14.59	V	53.79	68.20	14.41	PK
11690	45.20	9.68	H	54.88	73.98	19.10	PK
11690	31.63	9.68	H	41.31	53.98	12.67	AV
17535	40.21	14.59	H	54.80	68.20	13.40	PK

Band :	UNII 4
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5865 MHz
Channel No.	173 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11730	44.73	9.63	V	54.36	73.98	19.62	PK
11730	31.93	9.63	V	41.56	53.98	12.42	AV
17595	39.39	14.80	V	54.19	68.20	14.01	PK
11730	45.75	9.63	H	55.38	73.98	18.60	PK
11730	32.01	9.63	H	41.64	53.98	12.34	AV
17595	40.47	14.80	H	55.27	68.20	12.93	PK

Band :	UNII 4
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5885 MHz
Channel No.	177 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11770	46.18	9.47	V	55.65	73.98	18.33	PK
11770	31.63	9.47	V	41.10	53.98	12.88	AV
17655	39.20	15.23	V	54.43	68.20	13.77	PK
11770	46.57	9.47	H	56.04	73.98	17.94	PK
11770	**32.69**	**9.47**	**H**	**42.16**	**53.98**	**11.82**	**AV**
17655	**40.70**	**15.23**	**H**	**55.93**	**68.20**	**12.27**	**PK**

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	55.35	8.05	V	63.40	68.20	4.80	PK
15540	40.43	12.94	V	53.37	73.98	20.61	PK
15540	26.81	12.94	V	39.75	53.98	14.23	AV
10360	56.31	8.05	H	64.36	68.20	3.84	PK
15540	39.53	12.94	H	52.47	73.98	21.51	PK
15540	26.86	12.94	H	39.80	53.98	14.18	AV

Band :	UNII 1
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10400	55.02	8.21	V	63.23	68.20	4.97	PK
15600	39.05	13.31	V	52.36	73.98	21.62	PK
15600	26.01	13.31	V	39.32	53.98	14.66	AV
10400	56.27	8.21	H	64.48	68.20	3.72	PK
15600	39.69	13.31	H	53.00	73.98	20.98	PK
15600	26.49	13.31	H	39.80	53.98	14.18	AV

Band :	UNII 1
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10480	53.98	8.55	V	62.53	68.20	5.67	PK
15720	38.54	13.22	V	51.76	73.98	22.22	PK
15720	26.14	13.22	V	39.36	53.98	14.62	AV
10480	54.48	8.55	H	63.03	68.20	5.17	PK
15720	39.65	13.22	H	52.87	73.98	21.11	PK
15720	26.16	13.22	H	39.38	53.98	14.60	AV

Band :	UNII 2A
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10520	**56.17**	**8.95**	**V**	**65.12**	**68.20**	**3.08**	**PK**
15780	40.51	13.89	V	54.40	73.98	19.58	PK
15780	27.03	13.89	V	40.92	53.98	13.06	AV
10520	54.79	8.95	H	63.74	68.20	4.46	PK
15780	40.35	13.89	H	54.24	73.98	19.74	PK
15780	26.69	13.89	H	40.58	53.98	13.40	AV

Band :	UNII 2A
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10600	53.73	9.57	V	63.30	73.98	10.68	PK
10600	38.43	9.57	V	48.00	53.98	5.98	AV
15900	40.27	13.31	V	53.58	73.98	20.40	PK
15900	27.44	13.31	V	40.75	53.98	13.23	AV
10600	52.84	9.57	H	62.41	73.98	11.57	PK
10600	38.17	9.57	H	47.74	53.98	6.24	AV
15900	39.92	13.31	H	53.23	73.98	20.75	PK
15900	27.66	13.31	H	40.97	53.98	13.01	AV

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10640	52.31	9.71	V	62.02	73.98	11.96	PK
10640	37.94	9.71	V	47.65	53.98	6.33	AV
15960	40.69	12.93	V	53.62	73.98	20.36	PK
15960	27.50	12.93	V	40.43	53.98	13.55	AV
10640	51.66	9.71	H	61.37	73.98	12.61	PK
10640	37.73	9.71	H	47.44	53.98	6.54	AV
15960	40.46	12.93	H	53.39	73.98	20.59	PK
15960	27.29	12.93	H	40.22	53.98	13.76	AV

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11000	41.93	9.69	V	51.62	73.98	22.36	PK
11000	28.16	9.69	V	37.85	53.98	16.13	AV
16500	39.82	12.08	V	51.90	68.20	16.30	PK
11000	41.61	9.69	H	51.30	73.98	22.68	PK
11000	28.21	9.69	H	37.90	53.98	16.08	AV
16500	41.19	12.08	H	53.27	68.20	14.93	PK

Band :	UNII 2C
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11200	43.45	10.27	V	53.72	73.98	20.26	PK
11200	29.15	10.27	V	39.42	53.98	14.56	AV
16800	40.63	11.78	V	52.41	68.20	15.79	PK
11200	44.21	10.27	H	54.48	73.98	19.50	PK
11200	30.31	10.27	H	40.58	53.98	13.40	AV
16800	41.20	11.78	H	52.98	68.20	15.22	PK

Band :	UNII 2C
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L -A.G+D.F. [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11440	45.41	10.57	V	55.98	73.98	18.00	PK
11440	30.89	10.57	V	41.46	53.98	12.52	AV
17160	40.28	12.01	V	52.29	68.20	15.91	PK
11440	44.81	10.57	H	55.38	73.98	18.60	PK
11440	30.58	10.57	H	41.15	53.98	12.83	AV
17160	39.84	12.01	H	51.85	68.20	16.35	PK

Band :	UNII 3
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11490	45.12	10.49	V	55.61	73.98	18.37	PK
11490	30.01	10.49	V	40.50	53.98	13.48	AV
17235	40.61	12.22	V	52.83	68.20	15.37	PK
11490	44.53	10.49	H	55.02	73.98	18.96	PK
11490	30.80	10.49	H	41.29	53.98	12.69	AV
17235	40.12	12.22	H	52.34	68.20	15.86	PK

Band :	UNII 3
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11570	44.97	9.92	V	54.89	73.98	19.09	PK
11570	31.14	9.92	V	41.06	53.98	12.92	AV
17355	39.84	13.11	V	52.95	68.20	15.25	PK
11570	43.57	9.92	H	53.49	73.98	20.49	PK
11570	30.77	9.92	H	40.69	53.98	13.29	AV
17355	39.56	13.11	H	52.67	68.20	15.53	PK

Band :	UNII 3
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11650	45.89	9.60	V	55.49	73.98	18.49	PK
11650	31.17	9.60	V	40.77	53.98	13.21	AV
17475	40.52	14.27	V	54.79	68.20	13.41	PK
11650	44.03	9.60	H	53.63	73.98	20.35	PK
11650	31.01	9.60	H	40.61	53.98	13.37	AV
17475	40.33	14.27	H	54.60	68.20	13.60	PK

Band :	UNII 4
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5845 MHz
Channel No.	169 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11690	39.06	9.68	V	48.74	73.98	25.24	PK
11690	26.52	9.68	V	36.20	53.98	17.78	AV
17535	38.59	14.59	V	53.18	68.20	15.02	PK
11690	40.17	9.68	H	49.85	73.98	24.13	PK
11690	26.62	9.68	H	36.30	53.98	17.68	AV
17535	40.44	14.59	H	55.03	68.20	13.17	PK

Band :	UNII 4
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5865 MHz
Channel No.	173 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11730	44.35	9.63	V	53.98	73.98	20.00	PK
11730	31.70	9.63	V	41.33	53.98	12.65	AV
17595	40.59	14.80	V	55.39	68.20	12.81	PK
11730	45.79	9.63	H	55.42	73.98	18.56	PK
11730	31.85	9.63	H	41.48	53.98	12.50	AV
17595	41.02	14.80	H	55.82	68.20	12.38	PK

Band :	UNII 4
Operation Mode:	802.11n(HT20)
Transfer Rate:	MCS0
Operating Frequency	5885 MHz
Channel No.	177 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11770	45.22	9.47	V	54.69	73.98	19.29	PK
11770	32.44	9.47	V	41.91	53.98	12.07	AV
17655	39.60	15.23	V	54.83	68.20	13.37	PK
11770	46.11	9.47	H	55.58	73.98	18.40	PK
11770	32.80	9.47	H	42.27	53.98	11.71	AV
17655	40.88	15.23	H	56.11	68.20	12.09	PK

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	54.68	8.05	V	62.73	68.20	5.47	PK
15540	39.41	12.94	V	52.35	73.98	21.63	PK
15540	26.47	12.94	V	39.41	53.98	14.57	AV
10360	55.59	8.05	H	63.64	68.20	4.56	PK
15540	39.73	12.94	H	52.67	73.98	21.31	PK
15540	26.69	12.94	H	39.63	53.98	14.35	AV

Band :	UNII 1
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10400	54.13	8.21	V	62.34	68.20	5.86	PK
15600	38.73	13.31	V	52.04	73.98	21.94	PK
15600	26.36	13.31	V	39.67	53.98	14.31	AV
10400	54.48	8.21	H	62.69	68.20	5.51	PK
15600	39.26	13.31	H	52.57	73.98	21.41	PK
15600	26.47	13.31	H	39.78	53.98	14.20	AV

Band :	UNII 1
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10480	52.84	8.55	V	61.39	68.20	6.81	PK
15720	38.56	13.22	V	51.78	73.98	22.20	PK
15720	26.05	13.22	V	39.27	53.98	14.71	AV
10480	53.61	8.55	H	62.16	68.20	6.04	PK
15720	39.87	13.22	H	53.09	73.98	20.89	PK
15720	26.16	13.22	H	39.38	53.98	14.60	AV

Band :	UNII 2A
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10520	54.61	8.95	V	63.56	68.20	4.64	PK
15780	40.95	13.89	V	54.84	73.98	19.14	PK
15780	27.02	13.89	V	40.91	53.98	13.07	AV
10520	53.56	8.95	H	62.51	68.20	5.69	PK
15780	39.99	13.89	H	53.88	73.98	20.10	PK
15780	27.01	13.89	H	40.90	53.98	13.08	AV

Band :	UNII 2A
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10600	52.11	9.57	V	61.68	73.98	12.30	PK
10600	38.15	9.57	V	47.72	53.98	6.26	AV
15900	41.15	13.31	V	54.46	73.98	19.52	PK
15900	27.55	13.31	V	40.86	53.98	13.12	AV
10600	50.88	9.57	H	60.45	73.98	13.53	PK
10600	38.01	9.57	H	47.58	53.98	6.40	AV
15900	39.28	13.31	H	52.59	73.98	21.39	PK
15900	27.49	13.31	H	40.80	53.98	13.18	AV

Band :	UNII 2A
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10640	51.71	9.71	V	61.42	73.98	12.56	PK
10640	37.65	9.71	V	47.36	53.98	6.62	AV
15960	41.16	12.93	V	54.09	73.98	19.89	PK
15960	27.47	12.93	V	40.40	53.98	13.58	AV
10640	49.47	9.71	H	59.18	73.98	14.80	PK
10640	37.05	9.71	H	46.76	53.98	7.22	AV
15960	40.86	12.93	H	53.79	73.98	20.19	PK
15960	27.41	12.93	H	40.34	53.98	13.64	AV

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

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11000	43.59	9.69	V	53.28	73.98	20.70	PK
11000	29.63	9.69	V	39.32	53.98	14.66	AV
16500	40.35	12.08	V	52.43	68.20	15.77	PK
11000	44.06	9.69	H	53.75	73.98	20.23	PK
11000	29.84	9.69	H	39.53	53.98	14.45	AV
16500	40.75	12.08	H	52.83	68.20	15.37	PK

Band :	UNII 2C
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11200	43.30	10.27	V	53.57	73.98	20.41	PK
11200	29.41	10.27	V	39.68	53.98	14.30	AV
16800	40.55	11.78	V	52.33	68.20	15.87	PK
11200	43.54	10.27	H	53.81	73.98	20.17	PK
11200	29.86	10.27	H	40.13	53.98	13.85	AV
16800	41.32	11.78	H	53.10	68.20	15.10	PK

Band :	UNII 2C
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L -A.G+D.F. [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11440	44.74	10.57	V	55.31	73.98	18.67	PK
11440	30.84	10.57	V	41.41	53.98	12.57	AV
17160	40.33	12.01	V	52.34	68.20	15.86	PK
11440	43.80	10.57	H	54.37	73.98	19.61	PK
11440	30.76	10.57	H	41.33	53.98	12.65	AV
17160	39.85	12.01	H	51.86	68.20	16.34	PK

Band :	UNII 3
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11490	44.90	10.49	V	55.39	73.98	18.59	PK
11490	30.85	10.49	V	41.34	53.98	12.64	AV
17235	40.74	12.22	V	52.96	68.20	15.24	PK
11490	43.38	10.49	H	53.87	73.98	20.11	PK
11490	30.56	10.49	H	41.05	53.98	12.93	AV
17235	39.54	12.22	H	51.76	68.20	16.44	PK

Band :	UNII 3
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11570	45.19	9.92	V	55.11	73.98	18.87	PK
11570	30.75	9.92	V	40.67	53.98	13.31	AV
17355	39.95	13.11	V	53.06	68.20	15.14	PK
11570	44.14	9.92	H	54.06	73.98	19.92	PK
11570	30.62	9.92	H	40.54	53.98	13.44	AV
17355	39.02	13.11	H	52.13	68.20	16.07	PK

Band :	UNII 3
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11650	45.36	9.60	V	54.96	73.98	19.02	PK
11650	30.83	9.60	V	40.43	53.98	13.55	AV
17475	39.98	14.27	V	54.25	68.20	13.95	PK
11650	44.15	9.60	H	53.75	73.98	20.23	PK
11650	30.77	9.60	H	40.37	53.98	13.61	AV
17475	38.09	14.27	H	52.36	68.20	15.84	PK

Band :	UNII 4
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5845 MHz
Channel No.	169 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11690	43.86	9.68	V	53.54	73.98	20.44	PK
11690	30.06	9.68	V	39.74	53.98	14.24	AV
17535	38.92	14.59	V	53.51	68.20	14.69	PK
11690	44.91	9.68	H	54.59	73.98	19.39	PK
11690	31.41	9.68	H	41.09	53.98	12.89	AV
17535	39.99	14.59	H	54.58	68.20	13.62	PK

Band :	UNII 4
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5865 MHz
Channel No.	173 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11730	43.87	9.63	V	53.50	73.98	20.48	PK
11730	31.48	9.63	V	41.11	53.98	12.87	AV
17595	40.19	14.80	V	54.99	68.20	13.21	PK
11730	45.75	9.63	H	55.38	73.98	18.60	PK
11730	31.79	9.63	H	41.42	53.98	12.56	AV
17595	40.29	14.80	H	55.09	68.20	13.11	PK

Band :	UNII 4
Operation Mode:	802.11ac(VHT20)
Transfer Rate:	MCS0
Operating Frequency	5885 MHz
Channel No.	177 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11770	44.24	9.47	V	53.71	73.98	20.27	PK
11770	30.90	9.47	V	40.37	53.98	13.61	AV
17655	39.68	15.23	V	54.91	68.20	13.29	PK
11770	45.82	9.47	H	55.29	73.98	18.69	PK
11770	31.95	9.47	H	41.42	53.98	12.56	AV
17655	40.10	15.23	H	55.33	68.20	12.87	PK

Band :	UNII 1
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10380	53.69	8.19	V	61.88	68.20	6.32	PK
15570	38.79	13.31	V	52.10	73.98	21.88	PK
15570	27.73	13.31	V	41.04	53.98	12.94	AV
10380	54.75	8.19	H	62.94	68.20	5.26	PK
15570	39.81	13.31	H	53.12	73.98	20.86	PK
15570	28.41	13.31	H	41.72	53.98	12.26	AV

Band :	UNII 1
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10460	51.61	8.47	V	60.08	68.20	8.12	PK
15690	38.64	13.28	V	51.92	73.98	22.06	PK
15690	27.54	13.28	V	40.82	53.98	13.16	AV
10460	52.44	8.47	H	60.91	68.20	7.29	PK
15690	39.43	13.28	H	52.71	73.98	21.27	PK
15690	27.72	13.28	H	41.00	53.98	12.98	AV

Band :	UNII 2A
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10540	50.57	8.96	V	59.53	68.20	8.67	PK
15810	40.27	13.42	V	53.69	73.98	20.29	PK
15810	27.68	13.42	V	41.10	53.98	12.88	AV
10540	50.64	8.96	H	59.60	68.20	8.60	PK
15810	40.36	13.42	H	53.78	73.98	20.20	PK
15810	27.84	13.42	H	41.26	53.98	12.72	AV

Band :	UNII 2A
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10620	47.33	9.64	V	56.97	73.98	17.01	PK
10620	34.99	9.64	V	44.63	53.98	9.35	AV
15930	40.18	12.85	V	53.03	73.98	20.95	PK
15930	27.90	12.85	V	40.75	53.98	13.23	AV
10620	48.23	9.64	H	57.87	73.98	16.11	PK
10620	35.21	9.64	H	44.85	53.98	9.13	AV
15930	40.90	12.85	H	53.75	73.98	20.23	PK
15930	28.03	12.85	H	40.88	53.98	13.10	AV

Band :	UNII 2C
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11020	43.85	9.60	V	53.45	73.98	20.53	PK
11020	30.65	9.60	V	40.25	53.98	13.73	AV
16530	41.30	12.02	V	53.32	68.20	14.88	PK
11020	43.48	9.60	H	53.08	73.98	20.90	PK
11020	30.51	9.60	H	40.11	53.98	13.87	AV
16530	40.77	12.02	H	52.79	68.20	15.41	PK

Band :	UNII 2C
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5590 MHz
Channel No.	118 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11180	43.42	10.18	V	53.60	73.98	20.38	PK
11180	29.81	10.18	V	39.99	53.98	13.99	AV
16770	41.23	11.62	V	52.85	68.20	15.35	PK
11180	42.71	10.18	H	52.89	73.98	21.09	PK
11180	30.48	10.18	H	40.66	53.98	13.32	AV
16770	40.55	11.62	H	52.17	68.20	16.03	PK

Band :	UNII 2C
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F. [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11420	42.49	10.53	V	53.02	73.98	20.96	PK
11420	30.05	10.53	V	40.58	53.98	13.40	AV
17130	40.48	11.60	V	52.08	68.20	16.12	PK
11420	41.94	10.53	H	52.47	73.98	21.51	PK
11420	29.98	10.53	H	40.51	53.98	13.47	AV
17130	40.44	11.60	H	52.04	68.20	16.16	PK

Band :	UNII 3
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11510	42.32	10.34	V	52.66	73.98	21.32	PK
11510	29.85	10.34	V	40.19	53.98	13.79	AV
17265	40.30	12.43	V	52.73	68.20	15.47	PK
11510	42.05	10.34	H	52.39	73.98	21.59	PK
11510	29.51	10.34	H	39.85	53.98	14.13	AV
17265	40.10	12.43	H	52.53	68.20	15.67	PK

Band :	UNII 3
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11590	43.32	9.75	V	53.07	73.98	20.91	PK
11590	30.47	9.75	V	40.22	53.98	13.76	AV
17385	39.77	13.20	V	52.97	68.20	15.23	PK
11590	42.98	9.75	H	52.73	73.98	21.25	PK
11590	30.11	9.75	H	39.86	53.98	14.12	AV
17385	38.26	13.20	H	51.46	68.20	16.74	PK

Band :	UNII 4
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5835 MHz
Channel No.	167 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11670	40.93	9.60	V	50.53	73.98	23.45	PK
11670	28.62	9.60	V	38.22	53.98	15.76	AV
17505	39.06	14.33	V	53.39	68.20	14.81	PK
11670	41.73	9.60	H	51.33	73.98	22.65	PK
11670	29.81	9.60	H	39.41	53.98	14.57	AV
17505	39.57	14.33	H	53.90	68.20	14.30	PK

Band :	UNII 4
Operation Mode:	802.11n(HT40)
Transfer Rate:	MCS0
Operating Frequency	5875 MHz
Channel No.	175 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11750	40.98	9.47	V	50.45	73.98	23.53	PK
11750	29.09	9.47	V	38.56	53.98	15.42	AV
17625	40.05	14.81	V	54.86	68.20	13.34	PK
11750	41.62	9.47	H	51.09	73.98	22.89	PK
11750	29.35	9.47	H	38.82	53.98	15.16	AV
17625	40.57	14.81	H	55.38	68.20	12.82	PK

Band :	UNII 1
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10380	53.61	8.19	V	61.80	68.20	6.40	PK
15570	39.52	13.31	V	52.83	73.98	21.15	PK
15570	26.76	13.31	V	40.07	53.98	13.91	AV
10380	54.47	8.19	H	62.66	68.20	5.54	PK
15570	39.75	13.31	H	53.06	73.98	20.92	PK
15570	28.06	13.31	H	41.37	53.98	12.61	AV

Band :	UNII 1
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10460	52.48	8.47	V	60.95	68.20	7.25	PK
15690	38.43	13.28	V	51.71	73.98	22.27	PK
15690	26.97	13.28	V	40.25	53.98	13.73	AV
10460	52.98	8.47	H	61.45	68.20	6.75	PK
15690	38.88	13.28	H	52.16	73.98	21.82	PK
15690	27.01	13.28	H	40.29	53.98	13.69	AV

Band :	UNII 2A
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10540	50.07	8.96	V	59.03	68.20	9.17	PK
15810	40.59	13.42	V	54.01	73.98	19.97	PK
15810	27.77	13.42	V	41.19	53.98	12.79	AV
10540	50.35	8.96	H	59.31	68.20	8.89	PK
15810	41.02	13.42	H	54.44	73.98	19.54	PK
15810	27.86	13.42	H	41.28	53.98	12.70	AV

Band :	UNII 2A
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10620	48.28	9.64	V	57.92	73.98	16.06	PK
10620	35.76	9.64	V	45.40	53.98	8.58	AV
15930	39.61	12.85	V	52.46	73.98	21.52	PK
15930	28.02	12.85	V	40.87	53.98	13.11	AV
10620	48.56	9.64	H	58.20	73.98	15.78	PK
10620	35.97	9.64	H	45.61	53.98	8.37	AV
15930	40.37	12.85	H	53.22	73.98	20.76	PK
15930	28.08	12.85	H	40.93	53.98	13.05	AV

Band :	UNII 2C
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11020	43.52	9.60	V	53.12	73.98	20.86	PK
11020	30.63	9.60	V	40.23	53.98	13.75	AV
16530	41.97	12.02	V	53.99	68.20	14.21	PK
11020	42.77	9.60	H	52.37	73.98	21.61	PK
11020	30.27	9.60	H	39.87	53.98	14.11	AV
16530	40.59	12.02	H	52.61	68.20	15.59	PK

Band :	UNII 2C
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5590 MHz
Channel No.	118 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11180	42.96	10.18	V	53.14	73.98	20.84	PK
11180	29.97	10.18	V	40.15	53.98	13.83	AV
16770	41.73	11.62	V	53.35	68.20	14.85	PK
11180	41.78	10.18	H	51.96	73.98	22.02	PK
11180	29.76	10.18	H	39.94	53.98	14.04	AV
16770	40.28	11.62	H	51.90	68.20	16.30	PK

Band :	UNII 2C
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L -A.G+D.F. [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11420	43.02	10.53	V	53.55	73.98	20.43	PK
11420	30.00	10.53	V	40.53	53.98	13.45	AV
17130	41.05	11.60	V	52.65	68.20	15.55	PK
11420	41.54	10.53	H	52.07	73.98	21.91	PK
11420	29.51	10.53	H	40.04	53.98	13.94	AV
17130	40.33	11.60	H	51.93	68.20	16.27	PK

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

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11510	42.97	10.34	V	53.31	73.98	20.67	PK
11510	29.52	10.34	V	39.86	53.98	14.12	AV
17265	40.87	12.43	V	53.30	68.20	14.90	PK
11510	41.68	10.34	H	52.02	73.98	21.96	PK
11510	29.41	10.34	H	39.75	53.98	14.23	AV
17265	40.04	12.43	H	52.47	68.20	15.73	PK

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11590	42.51	9.75	V	52.26	73.98	21.72	PK
11590	29.88	9.75	V	39.63	53.98	14.35	AV
17385	39.89	13.20	V	53.09	68.20	15.11	PK
11590	41.28	9.75	H	51.03	73.98	22.95	PK
11590	29.05	9.75	H	38.80	53.98	15.18	AV
17385	39.24	13.20	H	52.44	68.20	15.76	PK

Band :	UNII 4
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5835 MHz
Channel No.	167 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11670	40.95	9.60	V	50.55	73.98	23.43	PK
11670	29.11	9.60	V	38.71	53.98	15.27	AV
17505	39.23	14.33	V	53.56	68.20	14.64	PK
11670	41.65	9.60	H	51.25	73.98	22.73	PK
11670	29.16	9.60	H	38.76	53.98	15.22	AV
17505	40.07	14.33	H	54.40	68.20	13.80	PK

Band :	UNII 4
Operation Mode:	802.11ac(VHT40)
Transfer Rate:	MCS0
Operating Frequency	5875 MHz
Channel No.	175 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11750	40.55	9.47	V	50.02	73.98	23.96	PK
11750	29.32	9.47	V	38.79	53.98	15.19	AV
17625	40.38	14.81	V	55.19	68.20	13.01	PK
11750	42.02	9.47	H	51.49	73.98	22.49	PK
11750	29.51	9.47	H	38.98	53.98	15.00	AV
17625	40.79	14.81	H	55.60	68.20	12.60	PK

Band :	UNII 1
Operation Mode:	802.11ac(VHT80)
Transfer Rate:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10420	50.34	8.31	V	58.65	68.20	9.55	PK
15630	40.05	13.20	V	53.25	73.98	20.73	PK
15630	28.32	13.20	V	41.52	53.98	12.46	AV
10420	49.97	8.31	H	58.28	68.20	9.92	PK
15630	40.31	13.20	H	53.51	73.98	20.47	PK
15630	29.04	13.20	H	42.24	53.98	11.74	AV

Band :	UNII 2A
Operation Mode:	802.11ac(VHT80)
Transfer Rate:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10580	47.35	9.39	V	56.74	68.20	11.46	PK
15870	41.06	13.57	V	54.63	73.98	19.35	PK
15870	28.25	13.57	V	41.82	53.98	12.16	AV
10580	46.84	9.39	H	56.23	68.20	11.97	PK
15870	40.64	13.57	H	54.21	73.98	19.77	PK
15870	28.21	13.57	H	41.78	53.98	12.20	AV

Band :	UNII 2C
Operation Mode:	802.11ac(VHT80)
Transfer Rate:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11060	42.44	9.89	V	52.33	73.98	21.65	PK
11060	29.45	9.89	V	39.34	53.98	14.64	AV
16590	40.68	11.76	V	52.44	68.20	15.76	PK
11060	42.68	9.89	H	52.57	73.98	21.41	PK
11060	29.65	9.89	H	39.54	53.98	14.44	AV
16590	41.05	11.76	H	52.81	68.20	15.39	PK

Band :	UNII 2C
Operation Mode:	802.11ac(VHT80)
Transfer Rate:	MCS0
Operating Frequency	5610 MHz
Channel No.	122 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11220	41.51	10.21	V	51.72	73.98	22.26	PK
11220	29.03	10.21	V	39.24	53.98	14.74	AV
16830	40.63	11.80	V	52.43	68.20	15.77	PK
11220	42.32	10.21	H	52.53	73.98	21.45	PK
11220	29.42	10.21	H	39.63	53.98	14.35	AV
16830	41.04	11.80	H	52.84	68.20	15.36	PK

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11380	42.17	10.42	V	52.59	73.98	21.39	PK
11380	29.58	10.42	V	40.00	53.98	13.98	AV
17070	39.41	11.74	V	51.15	68.20	17.05	PK
11380	42.63	10.42	H	53.05	73.98	20.93	PK
11380	29.70	10.42	H	40.12	53.98	13.86	AV
17070	40.30	11.74	H	52.04	68.20	16.16	PK

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

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F. [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11550	41.86	9.98	V	51.84	73.98	22.14	PK
11550	30.47	9.98	V	40.45	53.98	13.53	AV
17325	40.29	12.90	V	53.19	68.20	15.01	PK
11550	41.04	9.98	H	51.02	73.98	22.96	PK
11550	30.05	9.98	H	40.03	53.98	13.95	AV
17325	40.04	12.90	H	52.94	68.20	15.26	PK

Band :	UNII 4
Operation Mode:	802.11ac(VHT80)
Transfer Rate:	MCS0
Operating Frequency	5855 MHz
Channel No.	171 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11710	40.69	9.73	V	50.42	73.98	23.56	PK
11710	30.01	9.73	V	39.74	53.98	14.24	AV
17565	39.71	15.00	V	54.71	68.20	13.49	PK
11710	41.75	9.73	H	51.48	73.98	22.50	PK
11710	30.29	9.73	H	40.02	53.98	13.96	AV
17565	40.38	15.00	H	55.38	68.20	12.82	PK

[DBS Mode]

Test Case 1

WLAN/BT Ant : 802.11n(HT20) ch. 52 & Bluetooth Ch. 78 (GFSK)

Frequency [MHz]	Measured Level [dBµV]	A.F.+C.L. -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10520	**55.05**	**8.95**	**V**	**64.00**	**68.20**	**4.20**	**PK**
15780	40.37	13.89	V	54.26	73.98	19.72	PK
15780	27.02	13.89	V	40.91	53.98	13.07	AV
10520	54.60	8.95	H	63.55	68.20	4.65	PK
15780	39.62	13.89	H	53.51	73.98	20.47	PK
15780	26.85	13.89	H	40.74	53.98	13.24	AV

Test Case 2

WLAN/BT Ant : 802.11a ch. 36 & Bluetooth Ch. 0 (GFSK)

Frequency [MHz]	Measured Level [dBµV]	A.F.+C.L. -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	55.04	8.05	V	63.09	68.20	5.11	PK
15540	40.20	12.94	V	53.14	73.98	20.84	PK
15540	26.59	12.94	V	39.53	53.98	14.45	AV
10360	54.92	8.05	H	62.97	68.20	5.23	PK
15540	39.41	12.94	H	52.35	73.98	21.63	PK
15540	26.84	12.94	H	39.78	53.98	14.20	AV

Note : Bluetooth DBS Data refer to [BT] Test Report.

Test case 5

802.11b ch.6 1 Mbps Ant All & 802.11a ch.36 6 Mbps Ant All

Frequency [MHz]	Measured Level [dBµV]	A.F.+C.L. -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	**53.58**	**8.05**	**V**	**61.63**	**68.20**	**6.57**	**PK**
15540	48.57	12.94	V	61.51	73.98	12.47	PK
15540	34.22	12.94	V	47.16	53.98	6.82	AV
10360	52.60	8.05	H	60.65	68.20	7.55	PK
15540	48.23	12.94	H	61.17	73.98	12.81	PK
15540	34.07	12.94	H	47.01	53.98	6.97	AV

Test case 6

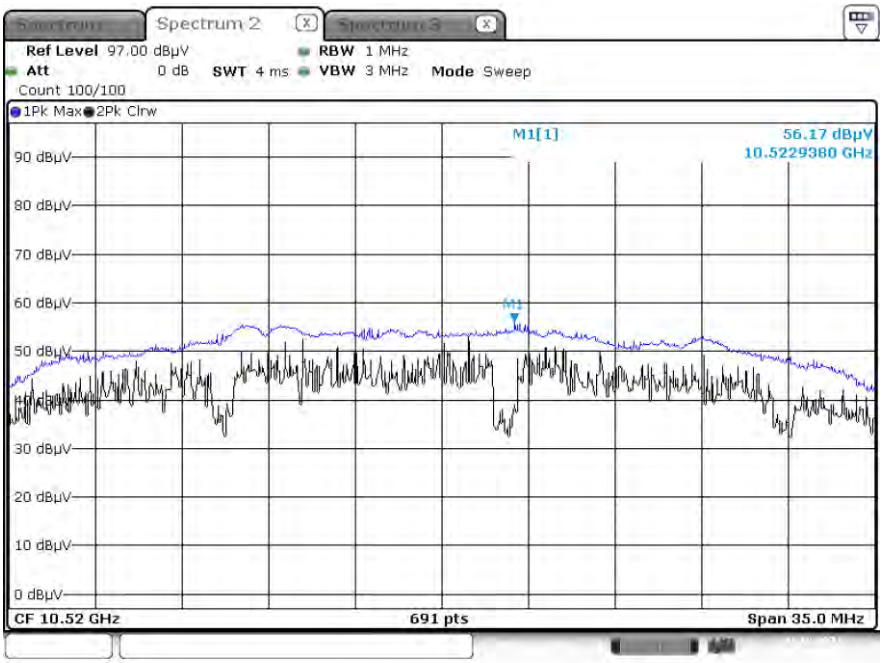
802.11b ch.1 1 Mbps Ant All & 802.11n(HT20) MCS 0 Ch.36 Ant All

Frequency [MHz]	Measured Level [dBµV]	A.F.+C.L. -A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	52.82	8.05	V	60.87	68.20	7.33	PK
15540	48.24	12.94	V	61.18	73.98	12.80	PK
15540	34.24	12.94	V	47.18	53.98	6.80	AV
10360	53.67	8.05	H	61.72	68.20	6.48	PK
15540	47.89	12.94	H	60.83	73.98	13.15	PK
15540	34.12	12.94	H	47.06	53.98	6.92	AV

▣ Test Plots

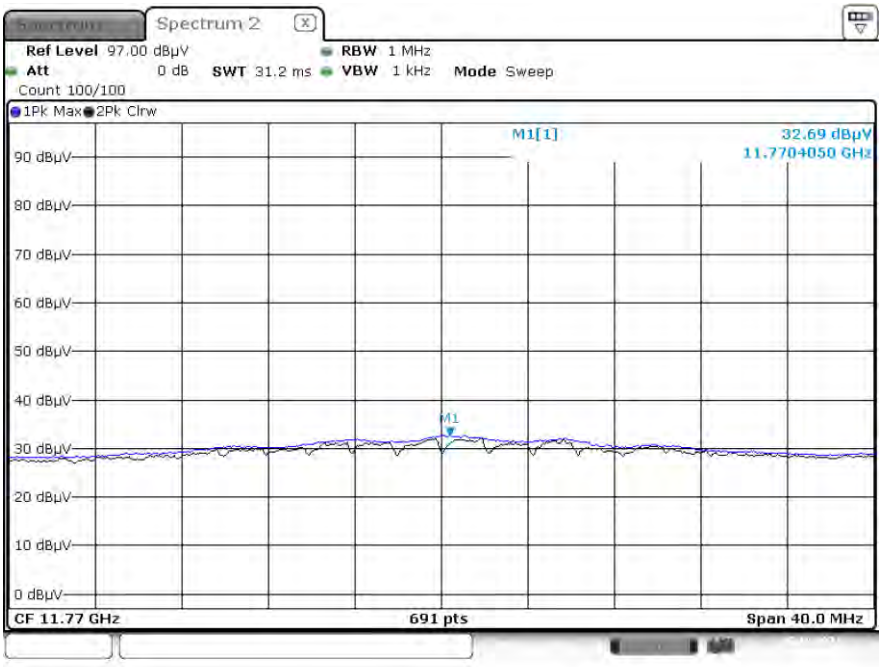
[Ant.1&Ant.2_MIMO(CDD)]

Peak Result (802.11n(HT20), Ch.52 2nd Harmonic, Y-V)

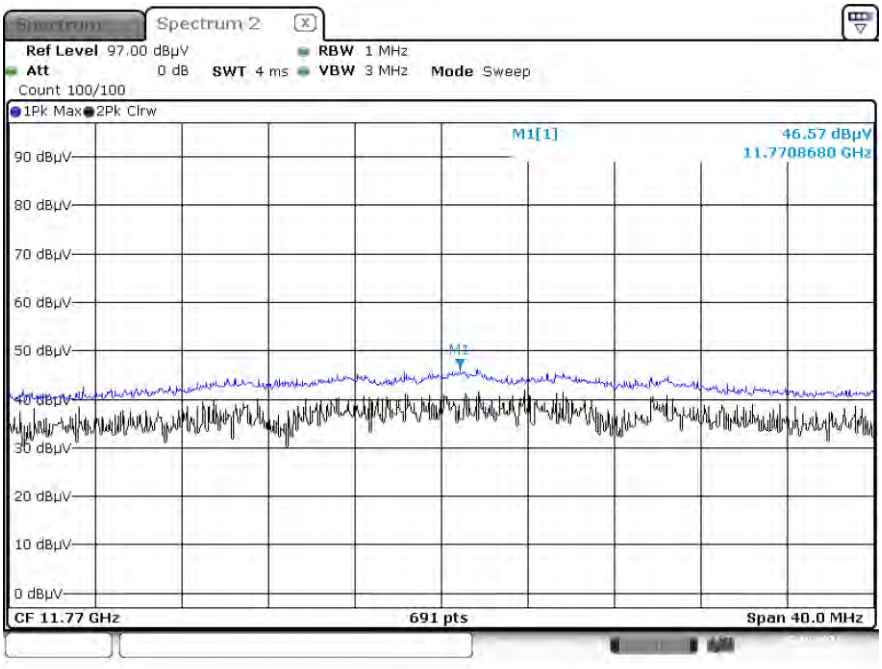


[UNII-4]

Average Result (802.11a, Ch.177 2nd Harmonic, Y-H)



Peak Result (802.11a, Ch.177 2nd Harmonic, Y-H)

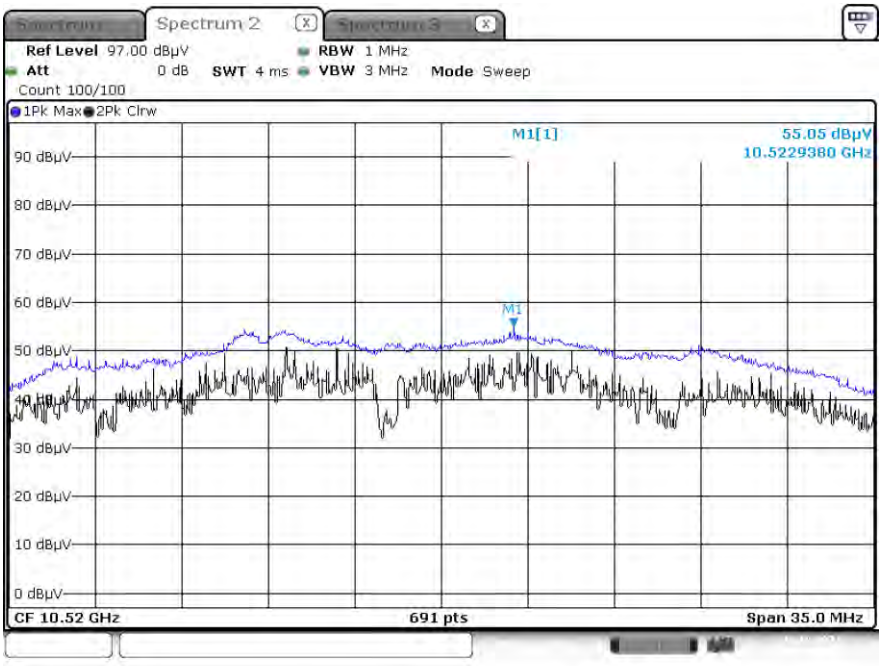


Note:

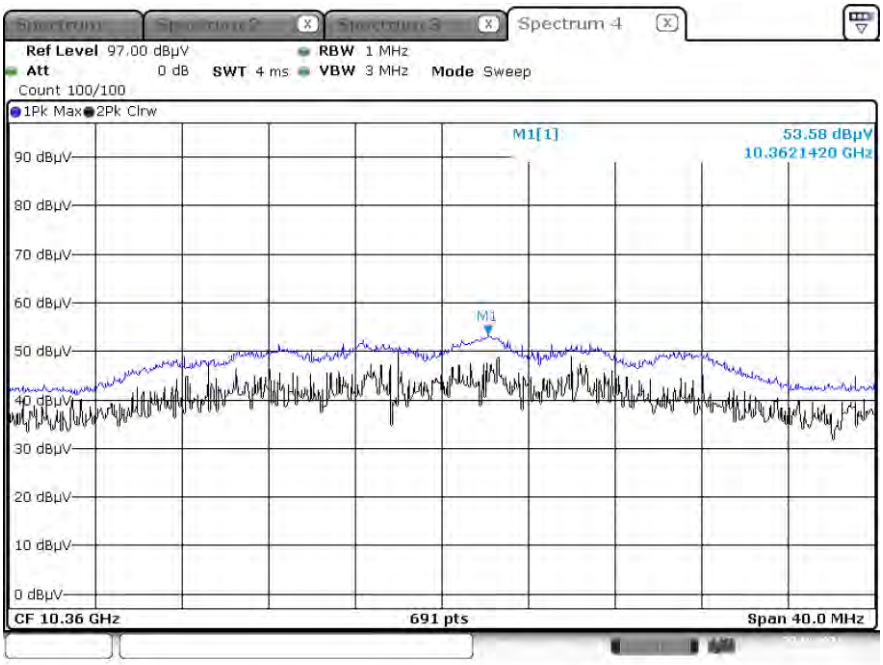
Only the worst case plots for Radiated Spurious Emissions.

▣ Test Plots (DBS) & (RSDB)

Radiated Spurious Emissions plot – Peak Result (Test case 1_ 2nd Harmonic, Y-V)



Radiated Spurious Emissions plot – Peak Result (Test case 5_ 2nd Harmonic, Y-V)



Note:

Only the worst case plots for Radiated Spurious Emissions.

10.9 RADIATED RESTRICTED BAND EDGE

[Ant.1&Ant.2_MIMO(CDD)]

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	48.43	9.11	H	57.54	73.98	16.44	PK
5150	33.13	9.11	H	42.24	53.98	11.74	AV
5150	50.17	9.11	V	59.28	73.98	14.70	PK
5150	33.09	9.11	V	42.20	53.98	11.78	AV

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	44.08	8.71	H	52.79	73.98	21.19	PK
5350	31.54	8.71	H	40.25	53.98	13.73	AV
5350	43.35	8.71	V	52.06	73.98	21.92	PK
5350	31.09	8.71	V	39.80	53.98	14.18	AV

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

Frequency [MHz]	Measured Level DBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	43.16	9.30	H	52.46	73.98	21.52	PK
5460	30.52	9.30	H	39.82	53.98	14.16	AV
5470	48.48	9.34	H	57.82	68.20	10.38	PK
5460	42.87	9.30	V	52.17	73.98	21.81	PK
5460	30.39	9.30	V	39.69	53.98	14.29	AV
5470	47.82	9.34	V	57.16	68.20	11.04	PK

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	48.23	9.11	H	57.34	73.98	16.64	PK
5150	32.83	9.11	H	41.94	53.98	12.04	AV
5150	49.08	9.11	V	58.19	73.98	15.79	PK
5150	32.92	9.11	V	42.03	53.98	11.95	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	44.61	8.71	H	53.32	73.98	20.66	PK
5350	31.55	8.71	H	40.26	53.98	13.72	AV
5350	43.53	8.71	V	52.24	73.98	21.74	PK
5350	31.05	8.71	V	39.76	53.98	14.22	AV

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	42.95	9.30	H	52.25	73.98	21.73	PK
5460	30.92	9.30	H	40.22	53.98	13.76	AV
5470	45.03	9.34	H	54.37	68.20	13.83	PK
5460	43.53	9.30	V	52.83	73.98	21.15	PK
5460	30.66	9.30	V	39.96	53.98	14.02	AV
5470	46.19	9.34	V	55.53	68.20	12.67	PK

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	44.58	9.11	H	53.69	73.98	20.29	PK
5150	31.68	9.11	H	40.79	53.98	13.19	AV
5150	45.09	9.11	V	54.20	73.98	19.78	PK
5150	32.14	9.11	V	41.25	53.98	12.73	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	43.72	8.71	H	52.43	73.98	21.55	PK
5350	31.27	8.71	H	39.98	53.98	14.00	AV
5350	41.96	8.71	V	50.67	73.98	23.31	PK
5350	31.03	8.71	V	39.74	53.98	14.24	AV

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	43.26	9.30	H	52.56	73.98	21.42	PK
5460	30.49	9.30	H	39.79	53.98	14.19	AV
5470	45.12	9.34	H	54.46	68.20	13.74	PK
5460	43.07	9.30	V	52.37	73.98	21.61	PK
5460	30.43	9.30	V	39.73	53.98	14.25	AV
5470	44.84	9.34	V	54.18	68.20	14.02	PK

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	53.05	9.11	H	62.16	73.98	11.82	PK
5150	35.96	9.11	H	45.07	53.98	8.91	AV
5150	51.33	9.11	V	60.44	73.98	13.54	PK
5150	36.63	9.11	V	45.74	53.98	8.24	AV

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	55.72	8.71	H	64.43	73.98	9.55	PK
5350	38.91	8.71	H	47.62	53.98	6.36	AV
5350	55.53	8.71	V	64.24	73.98	9.74	PK
5350	37.55	8.71	V	46.26	53.98	7.72	AV

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	45.75	9.30	H	55.05	73.98	18.93	PK
5460	33.33	9.30	H	42.63	53.98	11.35	AV
5470	**55.04**	**9.34**	**H**	**64.38**	**68.20**	**3.82**	**PK**
5460	45.46	9.30	V	54.76	73.98	19.22	PK
5460	33.05	9.30	V	42.35	53.98	11.63	AV
5470	54.11	9.34	V	63.45	68.20	4.75	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	43.63	9.30	H	52.93	73.98	21.05	PK
5460	30.68	9.30	H	39.98	53.98	14.00	AV
5470	44.54	9.34	H	53.88	68.20	14.32	PK
5460	43.22	9.30	V	52.52	73.98	21.46	PK
5460	30.53	9.30	V	39.83	53.98	14.15	AV
5470	44.01	9.34	V	53.35	68.20	14.85	PK

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	49.19	9.11	H	58.30	73.98	15.68	PK
5150	37.10	9.11	H	46.21	53.98	7.77	AV
5150	48.46	9.11	V	57.57	73.98	16.41	PK
5150	36.81	9.11	V	45.92	53.98	8.06	AV

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	51.67	8.71	H	60.38	73.98	13.60	PK
5350	38.81	8.71	H	47.52	53.98	6.46	AV
5350	50.63	8.71	V	59.34	73.98	14.64	PK
5350	37.58	8.71	V	46.29	53.98	7.69	AV

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	48.32	9.30	H	57.62	73.98	16.36	PK
5460	33.37	9.30	H	42.67	53.98	11.31	AV
5470	53.60	9.34	H	62.94	68.20	5.26	PK
5460	47.05	9.30	V	56.35	73.98	17.63	PK
5460	32.36	9.30	V	41.66	53.98	12.32	AV
5470	53.28	9.34	V	62.62	68.20	5.58	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	42.95	9.30	H	52.25	73.98	21.73	PK
5460	32.07	9.30	H	41.37	53.98	12.61	AV
5470	44.16	9.34	H	53.50	68.20	14.70	PK
5460	42.59	9.30	V	51.89	73.98	22.09	PK
5460	31.92	9.30	V	41.22	53.98	12.76	AV
5470	43.41	9.34	V	52.75	68.20	15.45	PK

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

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	48.60	9.11	H	57.71	73.98	16.27	PK
5150	38.25	9.11	H	47.36	53.98	6.62	AV
5150	48.41	9.11	V	57.52	73.98	16.46	PK
5150	38.11	9.11	V	47.22	53.98	6.76	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	52.55	8.71	H	61.26	73.98	12.72	PK
5350	**41.38**	**8.71**	**H**	**50.09**	**53.98**	**3.89**	**AV**
5350	51.06	8.71	V	59.77	73.98	14.21	PK
5350	40.52	8.71	V	49.23	53.98	4.75	AV

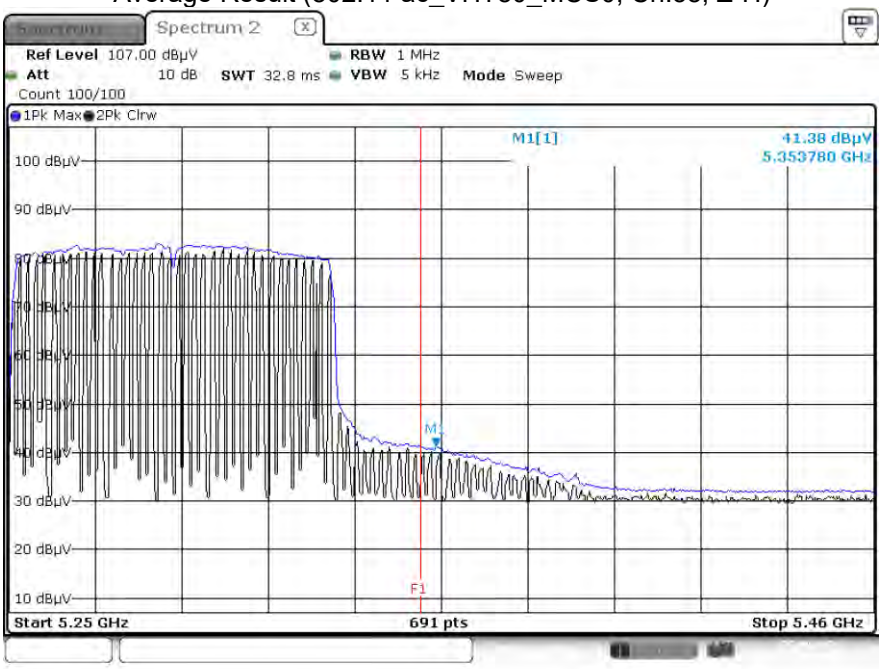
Band :	UNII 2C
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level dBµV	A.F+C.L-A.G+ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	50.94	9.30	H	60.24	73.98	13.74	PK
5460	37.88	9.30	H	47.18	53.98	6.80	AV
5470	51.92	9.34	H	61.26	68.20	6.94	PK
5460	49.95	9.30	V	59.25	73.98	14.73	PK
5460	37.59	9.30	V	46.89	53.98	7.09	AV
5470	51.80	9.34	V	61.14	68.20	7.06	PK

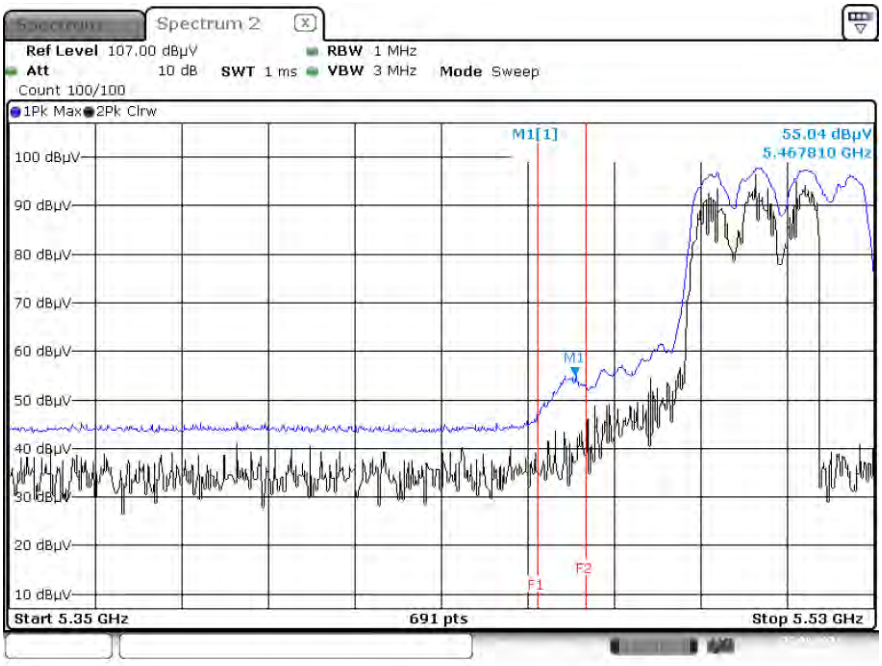
[Ant.1&Ant.2_MIMO(CDD)]

▣ Test Plots(UNII 1, 2A, 2C)

Average Result (802.11 ac_VHT80_MCS0, Ch.58, Z-H)



Peak Result (802.11 n_HT40_ MCS0, Ch.102, Z-H)

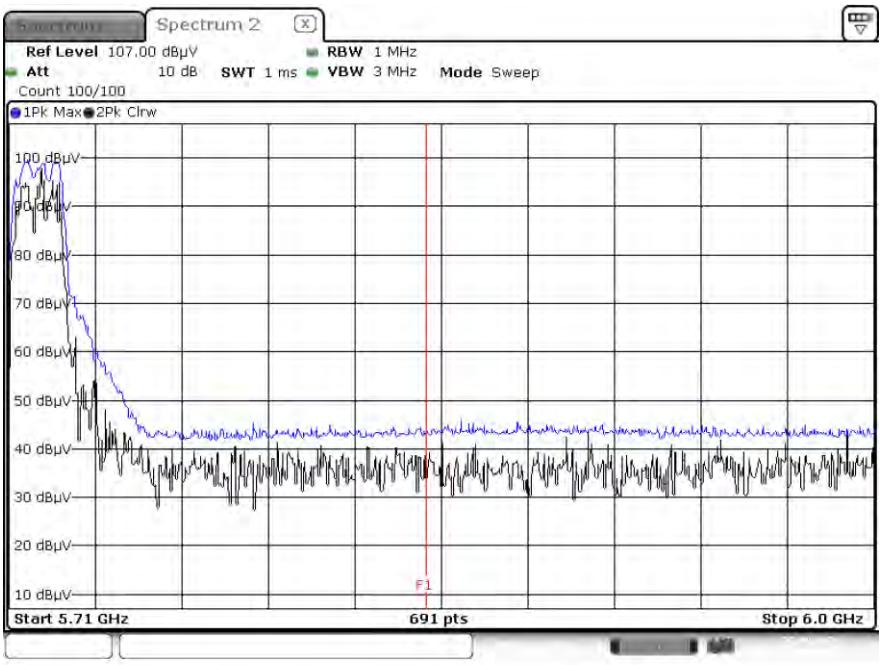


Note:

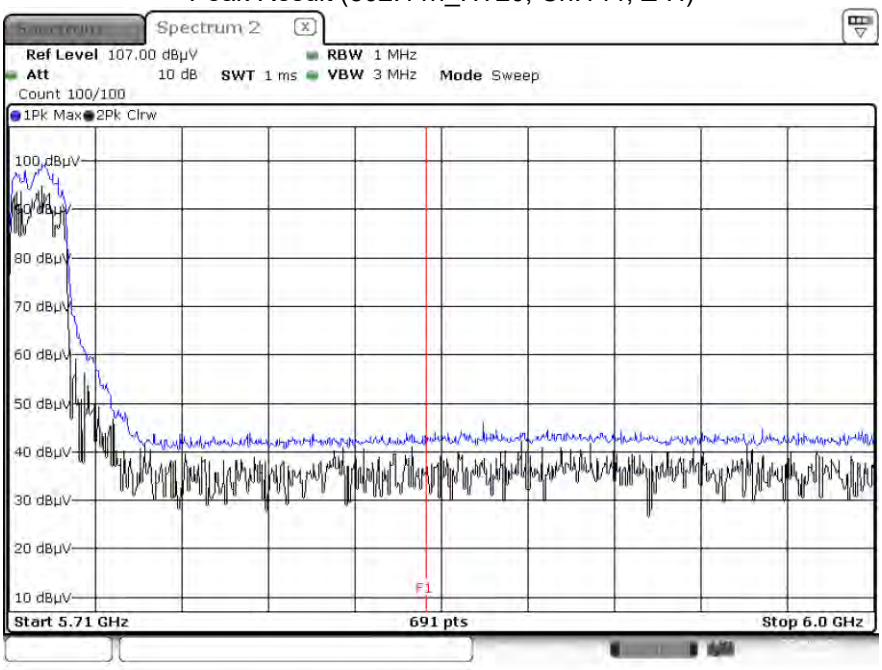
Only the worst case plots for Radiated Restricted Band Edge.

▣ Test Plots(Straddle Channel)

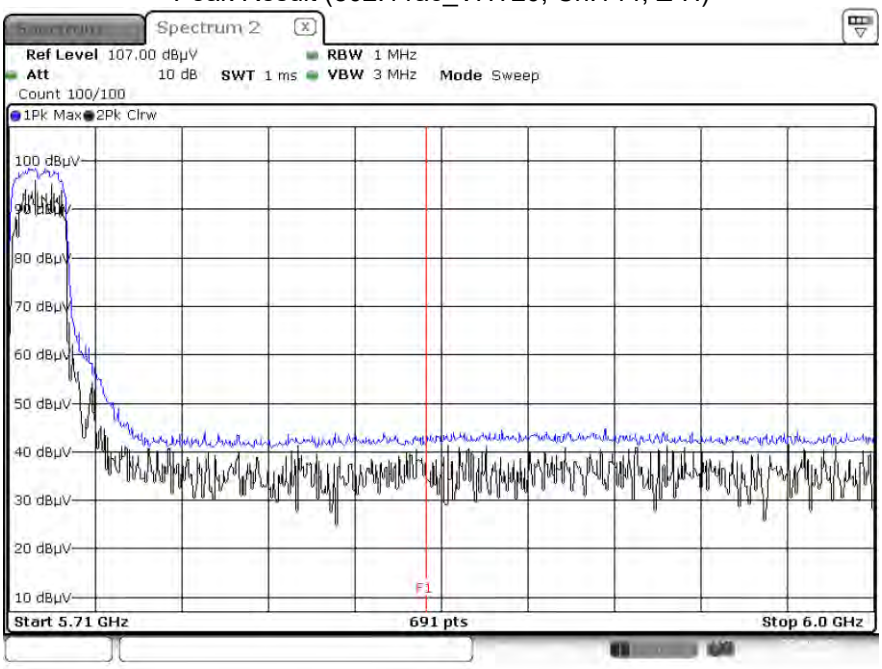
Peak Result (802.11a, Ch.144, Z-H)



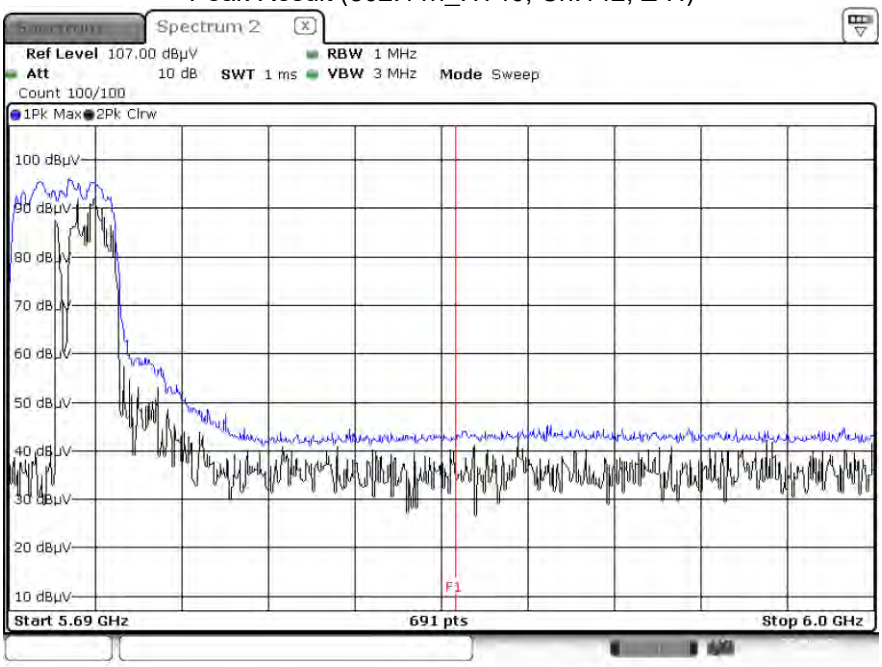
Peak Result (802.11n_HT20, Ch.144, Z-H)



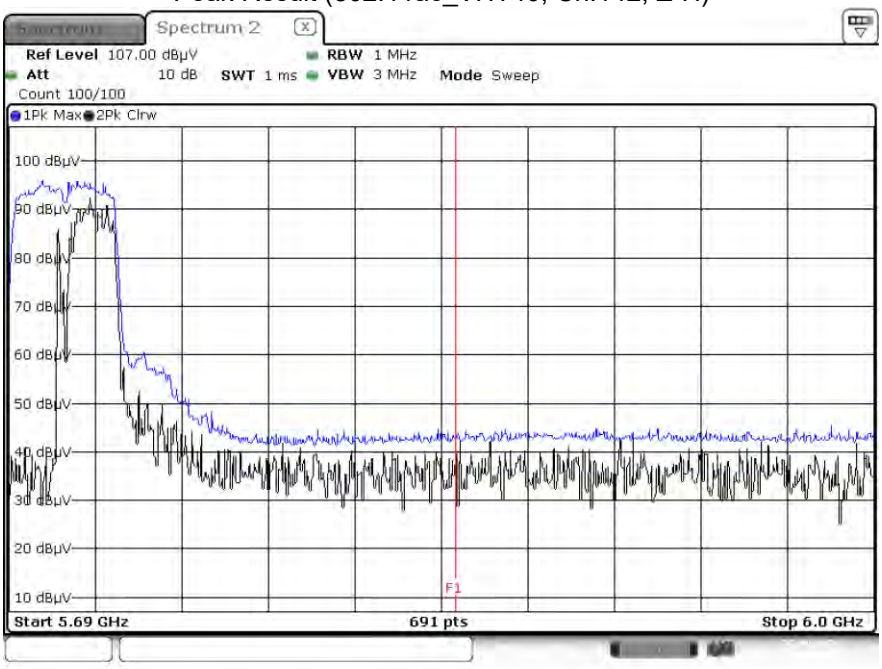
Peak Result (802.11ac_VHT20, Ch.144, Z-H)



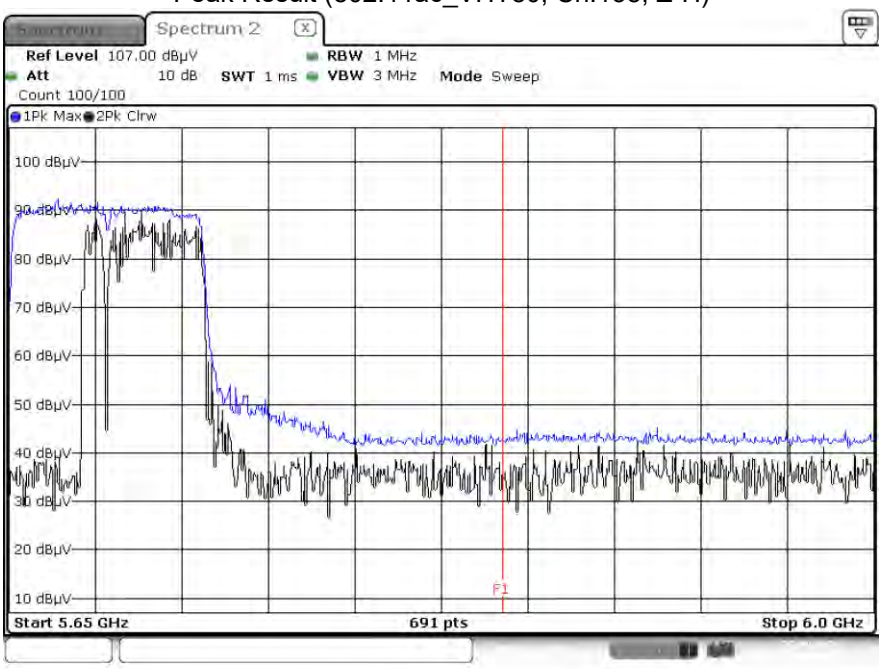
Peak Result (802.11n_HT40, Ch.142, Z-H)



Peak Result (802.11ac_VHT40, Ch.142, Z-H)



Peak Result (802.11ac_VHT80, Ch.138, Z-H)

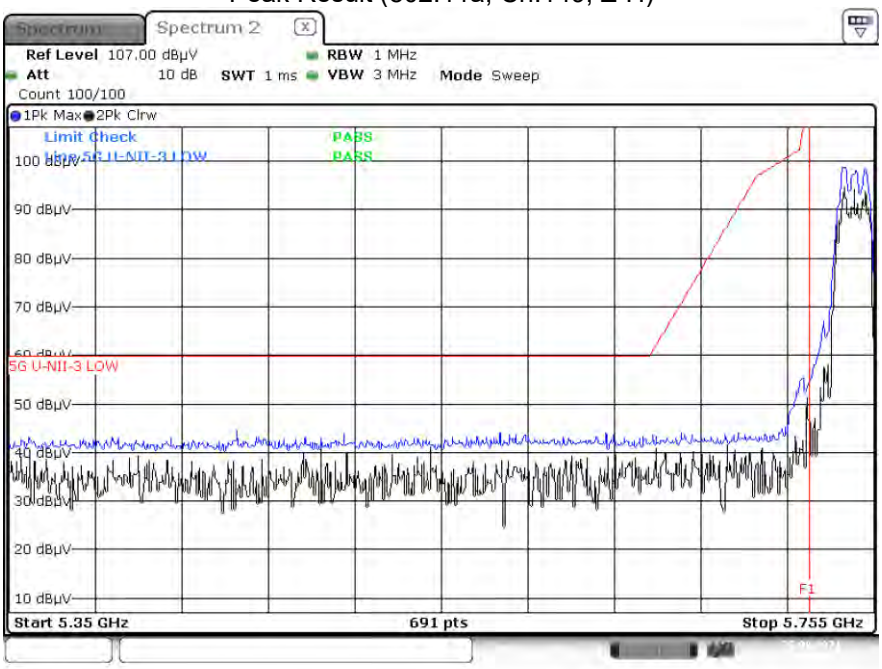


Note :

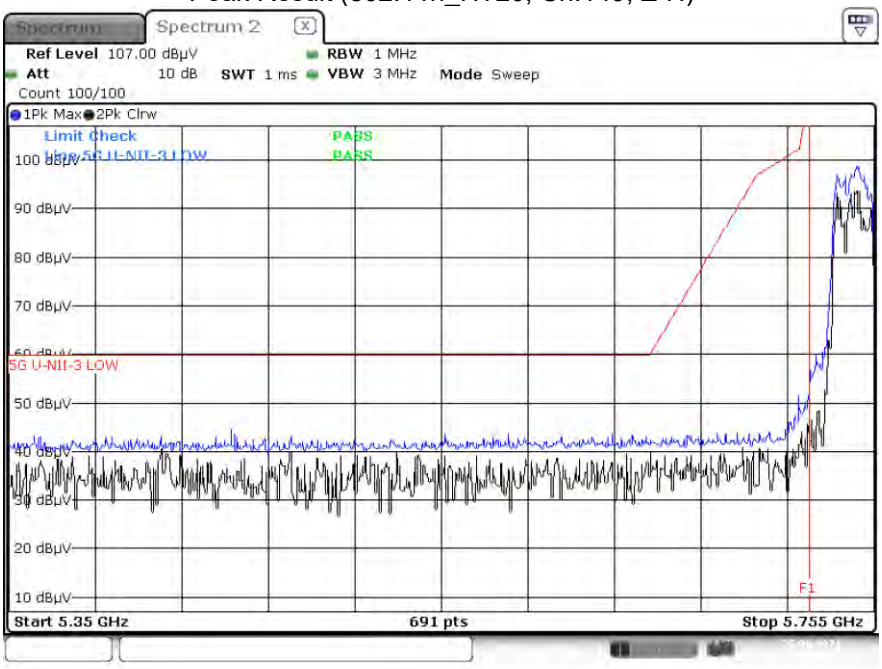
1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

▣ Test Plots(UNII 3)

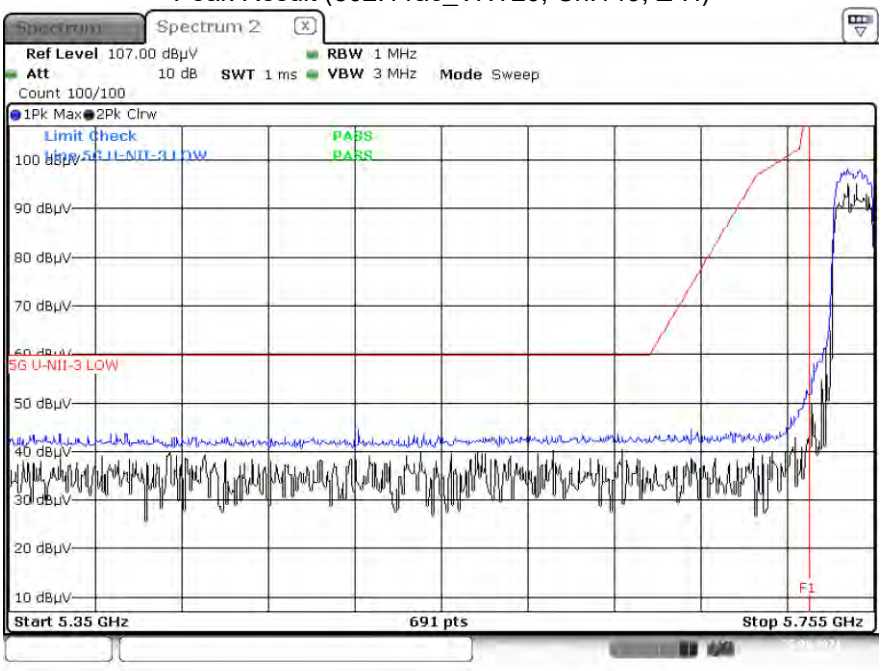
Peak Result (802.11a, Ch.149, Z-H)



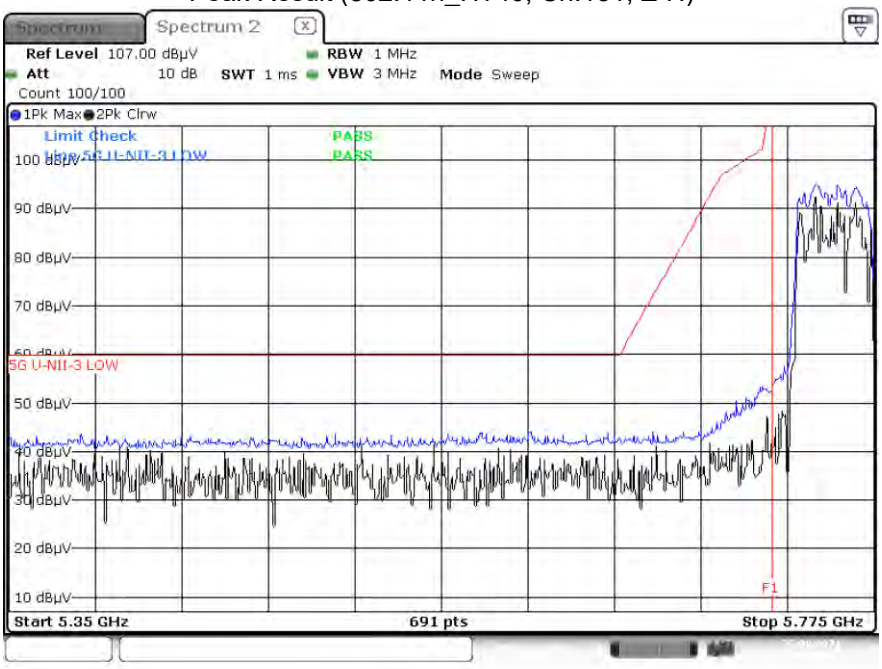
Peak Result (802.11n_HT20, Ch.149, Z-H)



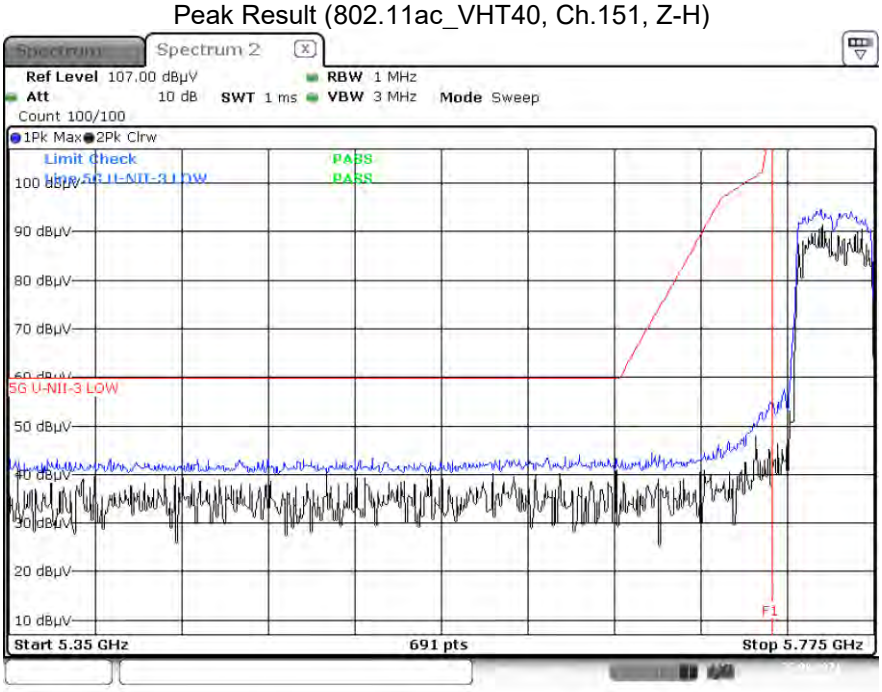
Peak Result (802.11ac_VHT20, Ch.149, Z-H)



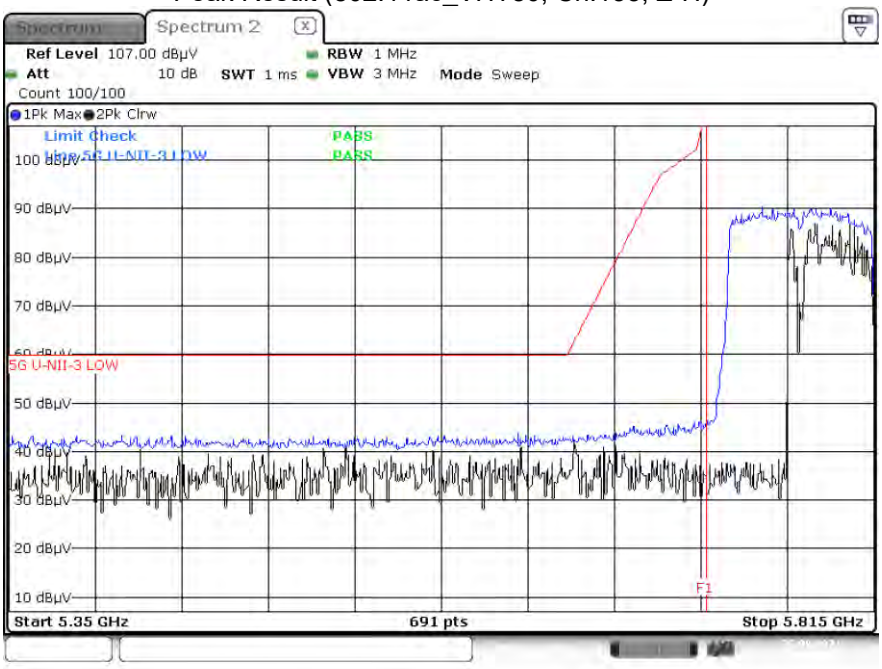
Peak Result (802.11n_HT40, Ch.151, Z-H)



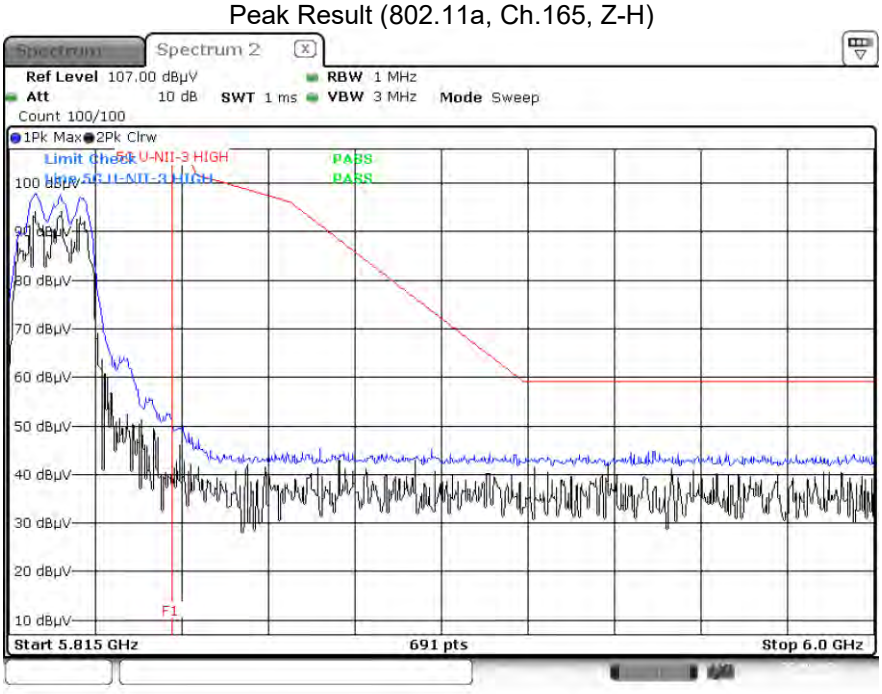
Peak Result (802.11ac_VHT40, Ch.151, Z-H)



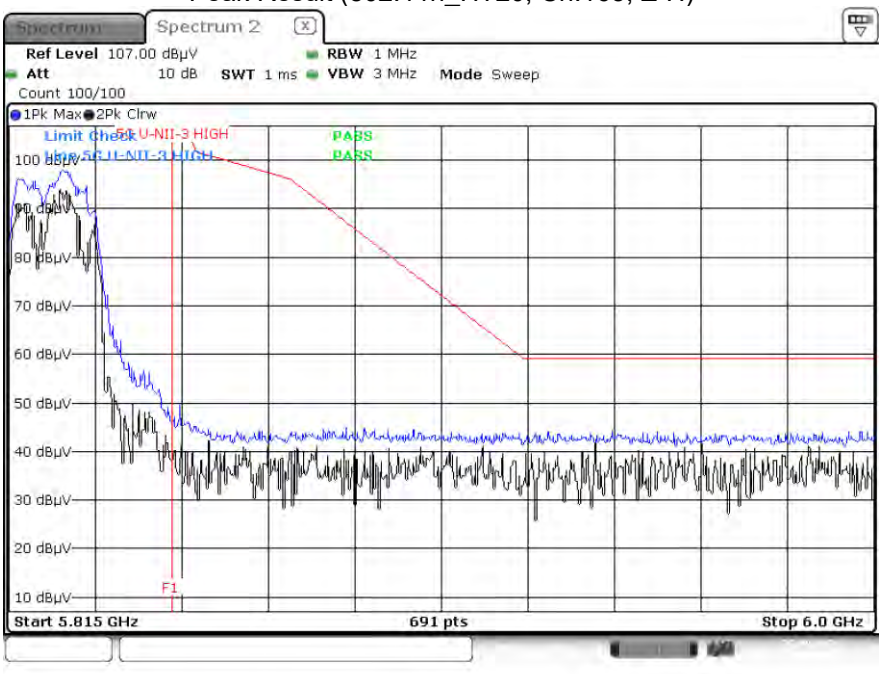
Peak Result (802.11ac_VHT80, Ch.155, Z-H)



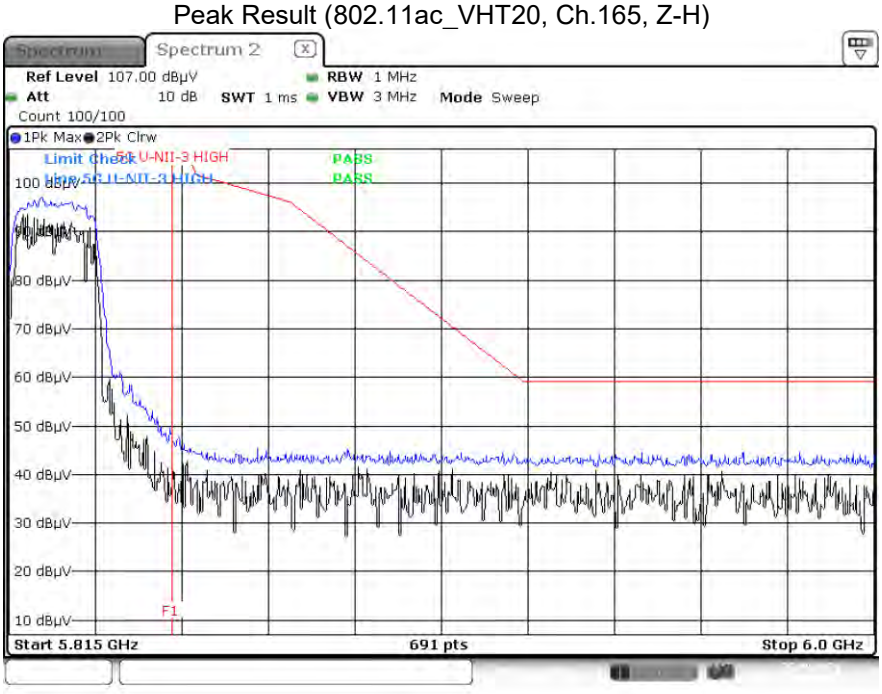
Peak Result (802.11a, Ch.165, Z-H)



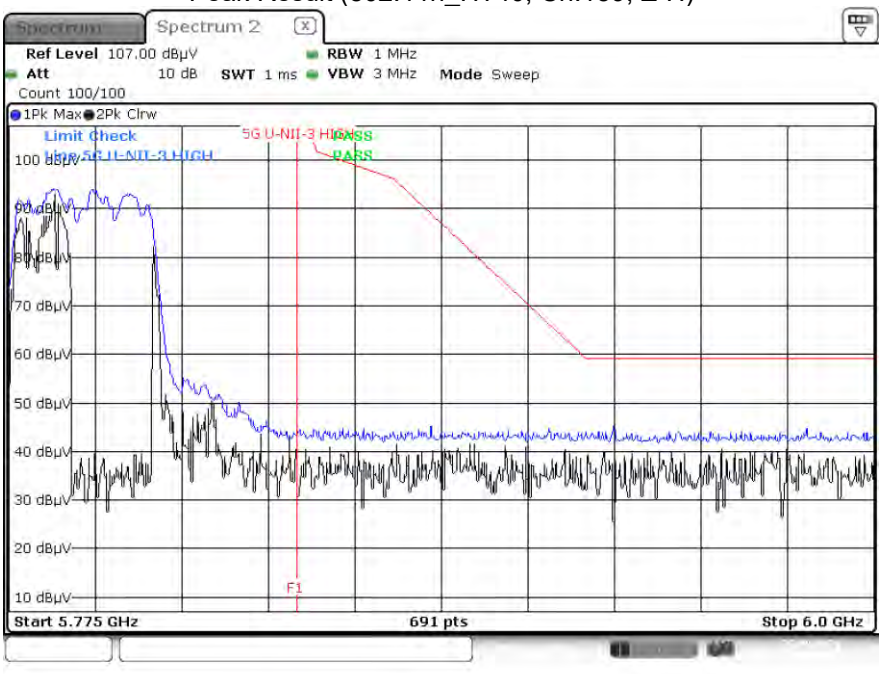
Peak Result (802.11n_HT20, Ch.165, Z-H)



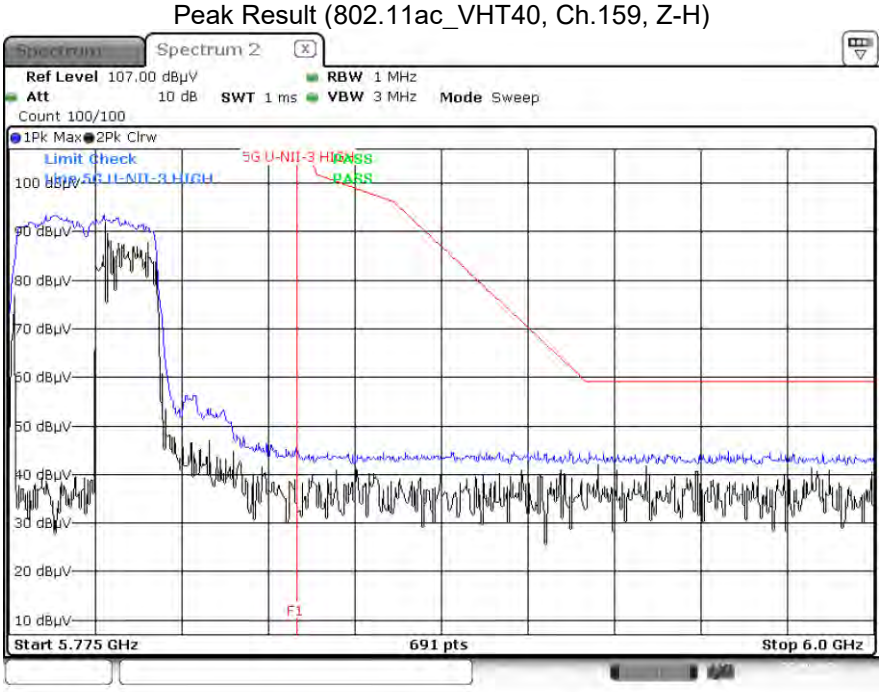
Peak Result (802.11ac_VHT20, Ch.165, Z-H)



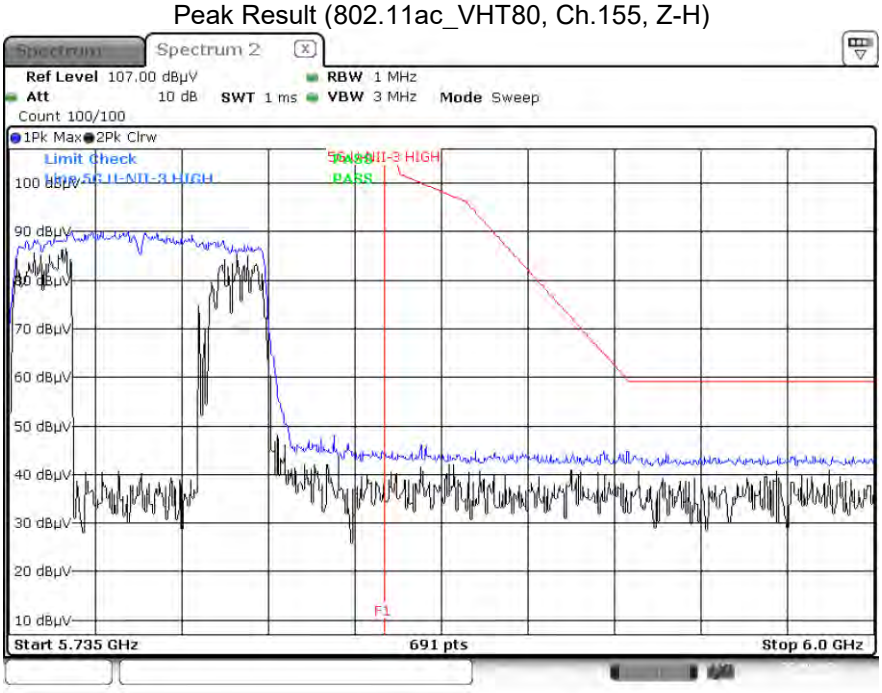
Peak Result (802.11n_HT40, Ch.159, Z-H)



Peak Result (802.11ac_VHT40, Ch.159, Z-H)



Peak Result (802.11ac_VHT80, Ch.155, Z-H)

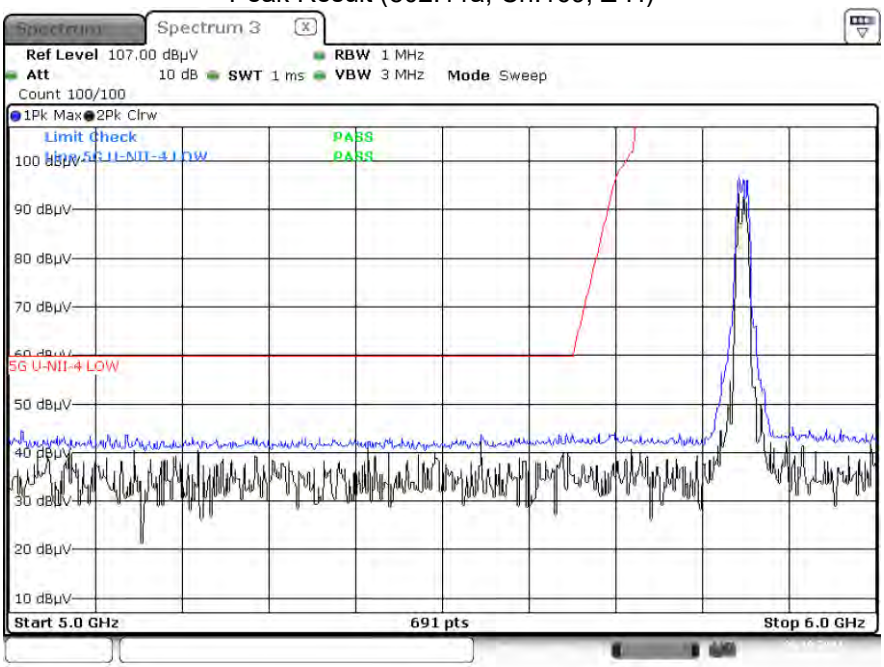


Note :

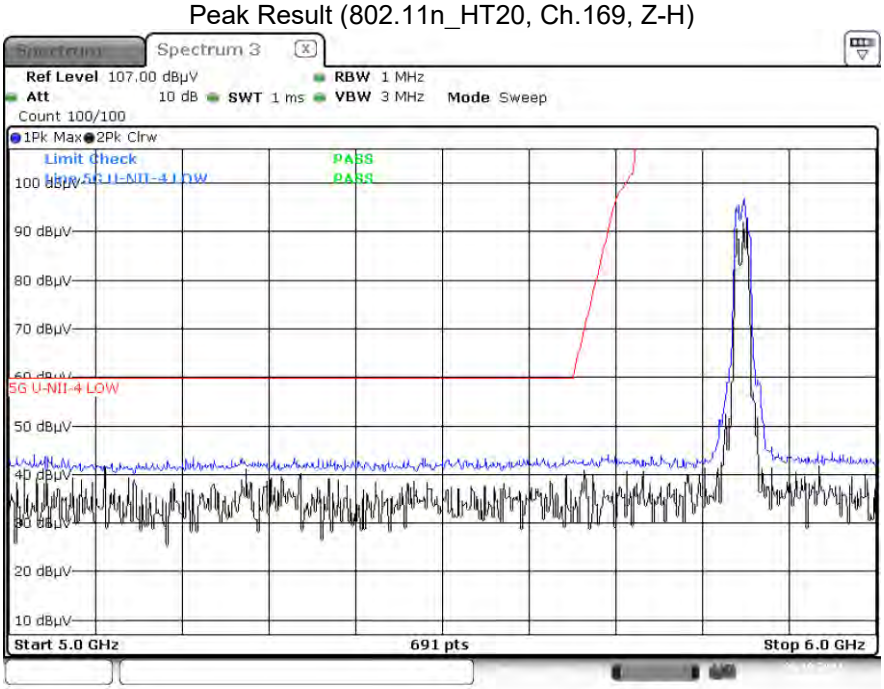
1. Only the worst case plots for U-NII-3 Out of Band e.i.r.p Emission.
2. U-NII-3 Low & High Band Edge RedLine is Final Test Limit about factor value compensation.

▣ Test Plots(UNII 4) – O.O.B.E

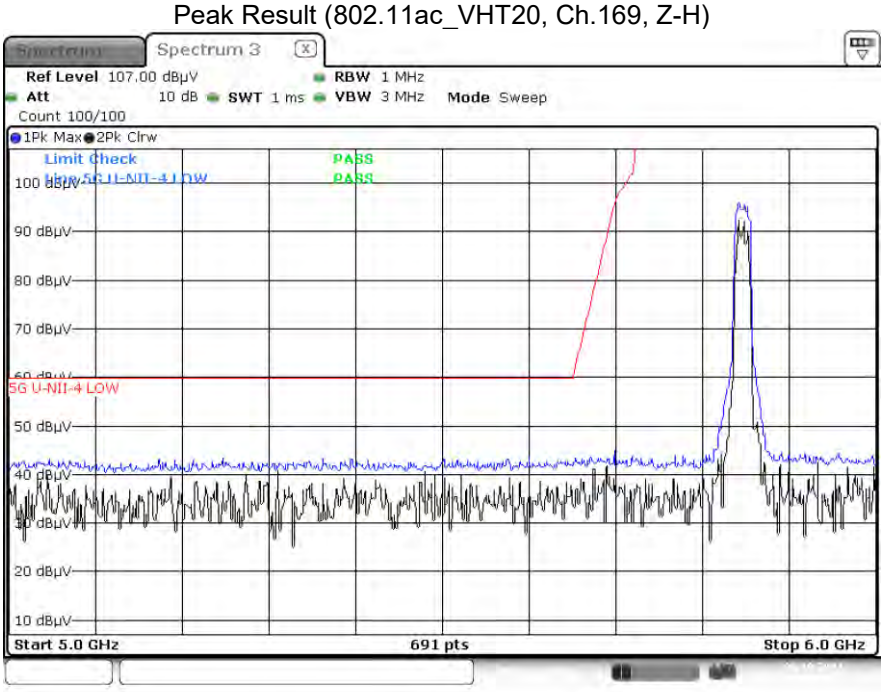
Peak Result (802.11a, Ch.169, Z-H)



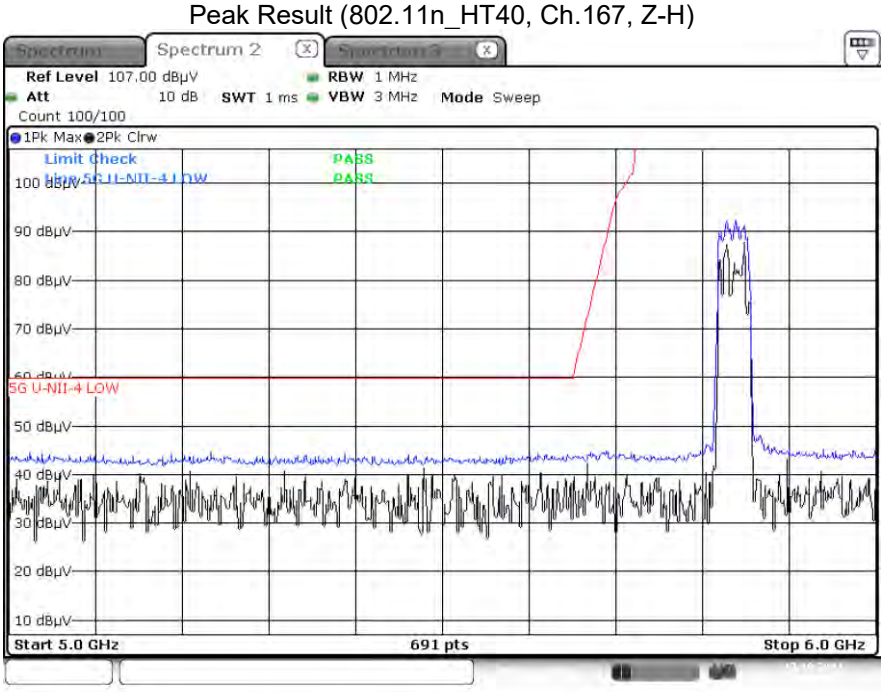
Peak Result (802.11n_HT20, Ch.169, Z-H)



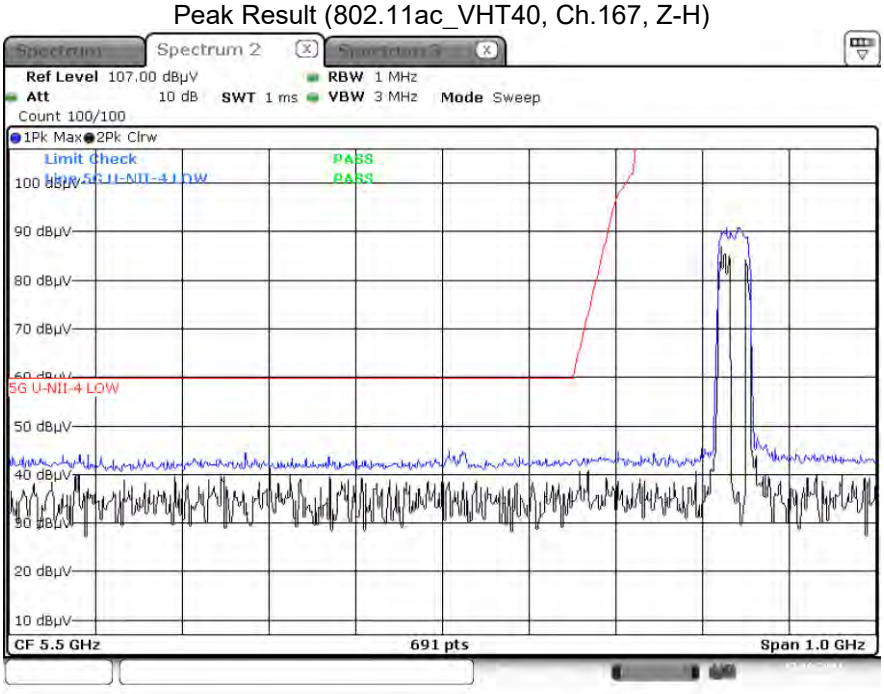
Peak Result (802.11ac_VHT20, Ch.169, Z-H)



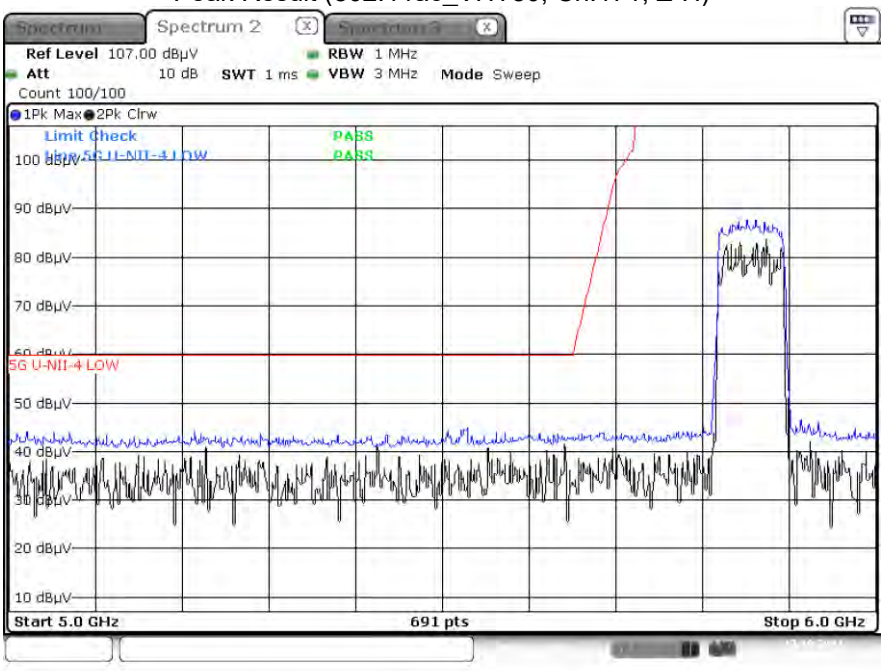
Peak Result (802.11n_HT40, Ch.167, Z-H)



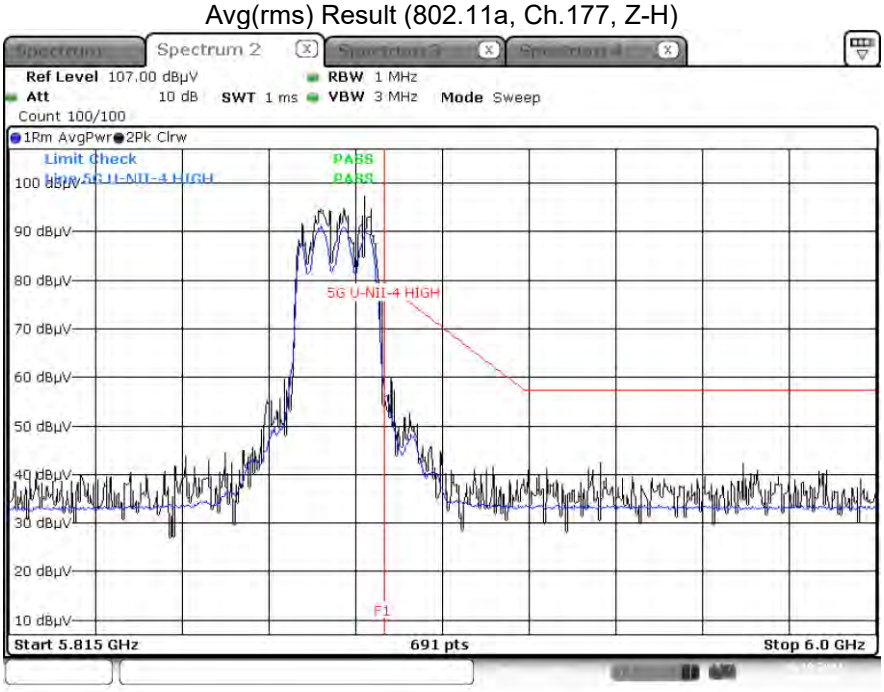
Peak Result (802.11ac_VHT40, Ch.167, Z-H)



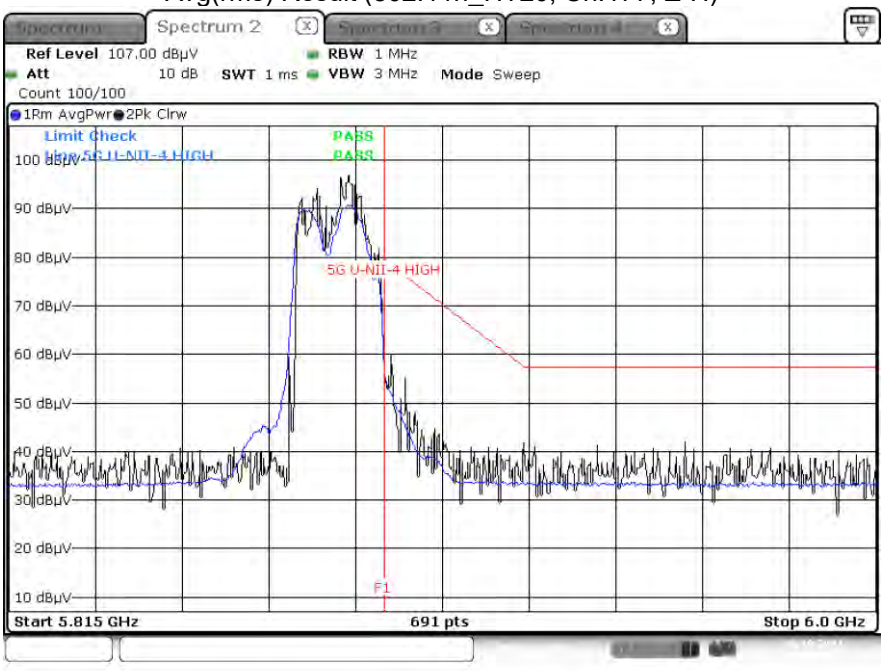
Peak Result (802.11ac_VHT80, Ch.171, Z-H)



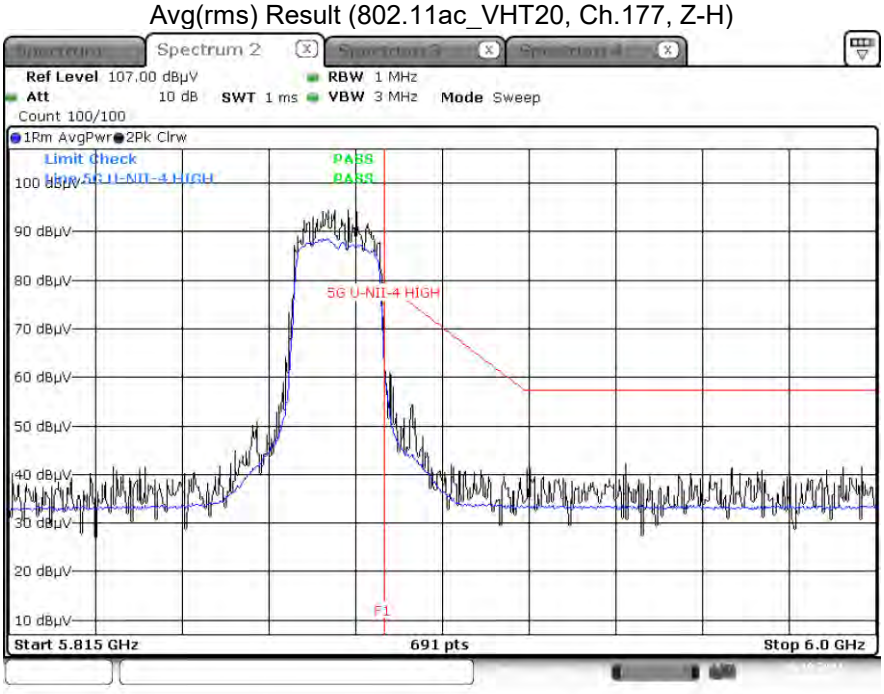
Avg(rms) Result (802.11a, Ch.177, Z-H)



Avg(rms) Result (802.11n_HT20, Ch.177, Z-H)

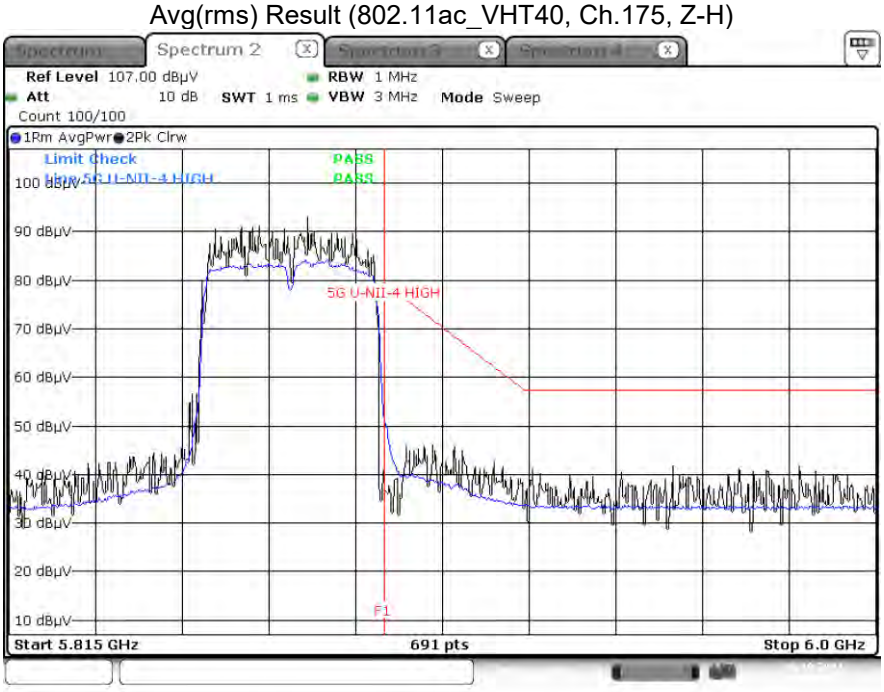


Avg(rms) Result (802.11ac_VHT20, Ch.177, Z-H)

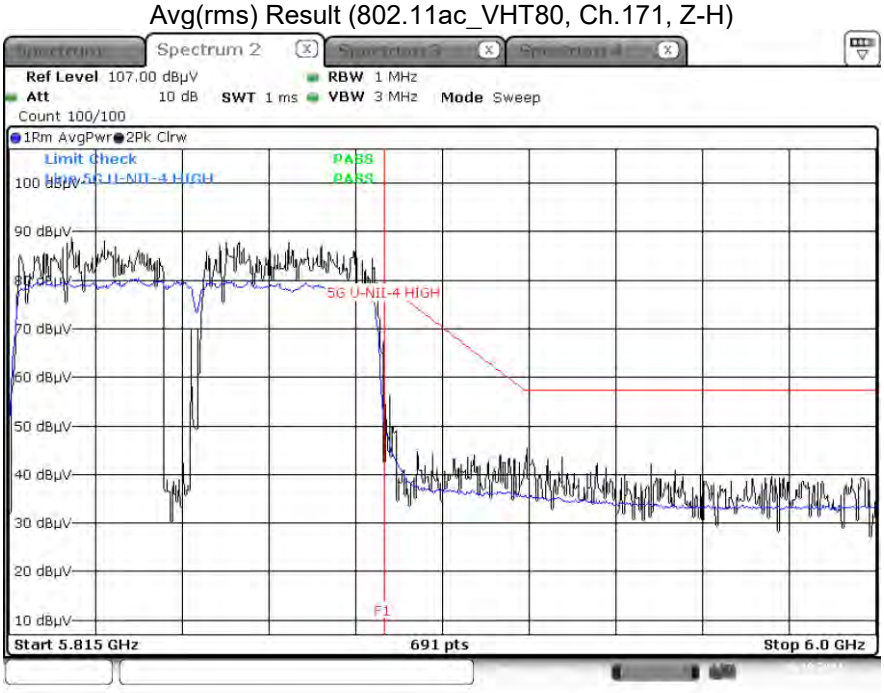


Avg(rms) Result (802.11n_HT40, Ch.175, Z-H)

Avg(rms) Result (802.11ac_VHT40, Ch.175, Z-H)



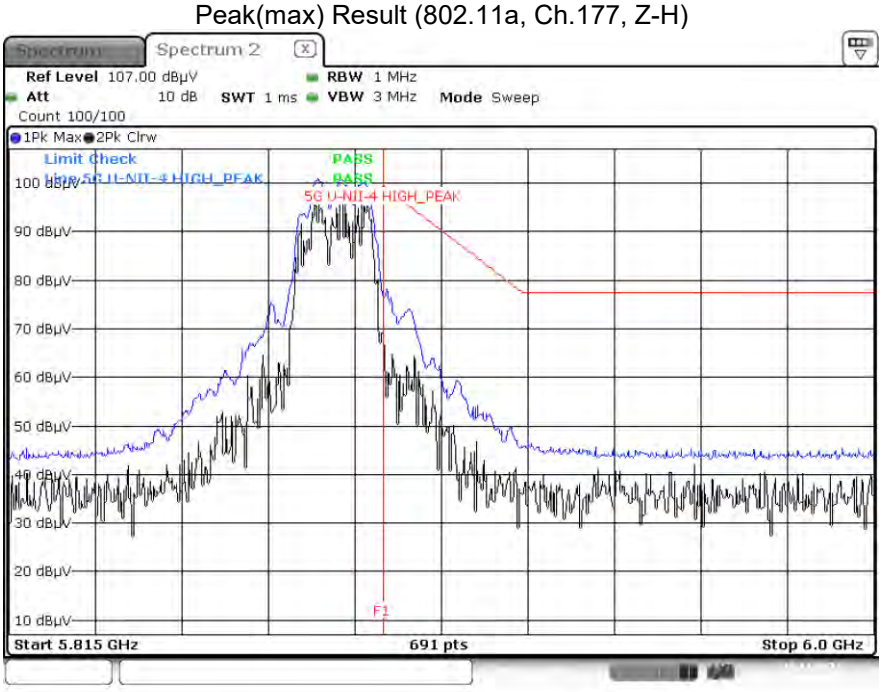
Avg(rms) Result (802.11ac_VHT80, Ch.171, Z-H)



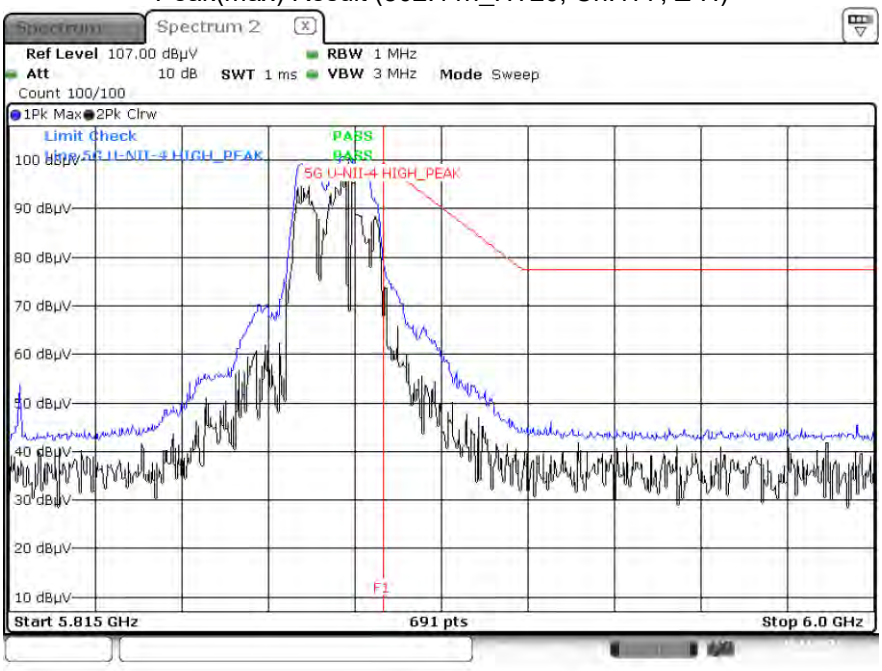
Note :

1. Only the worst case plots for U-NII-4 O.O.B.E
2. U-NII-4 Low & High O.O.B.E RedLine is Final Test Limit about factor value compensation.

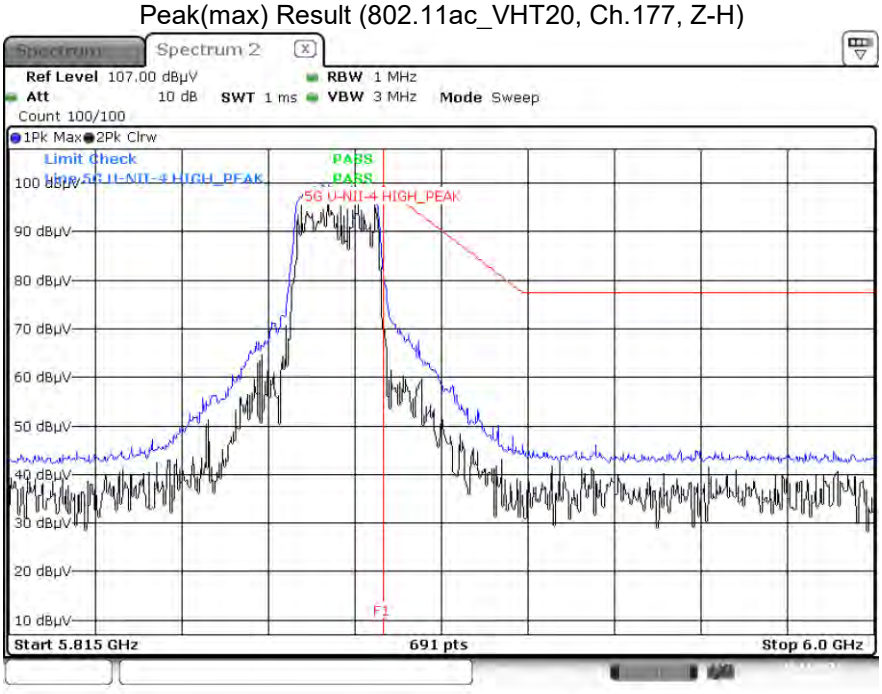
Peak(max) Result (802.11a, Ch.177, Z-H)



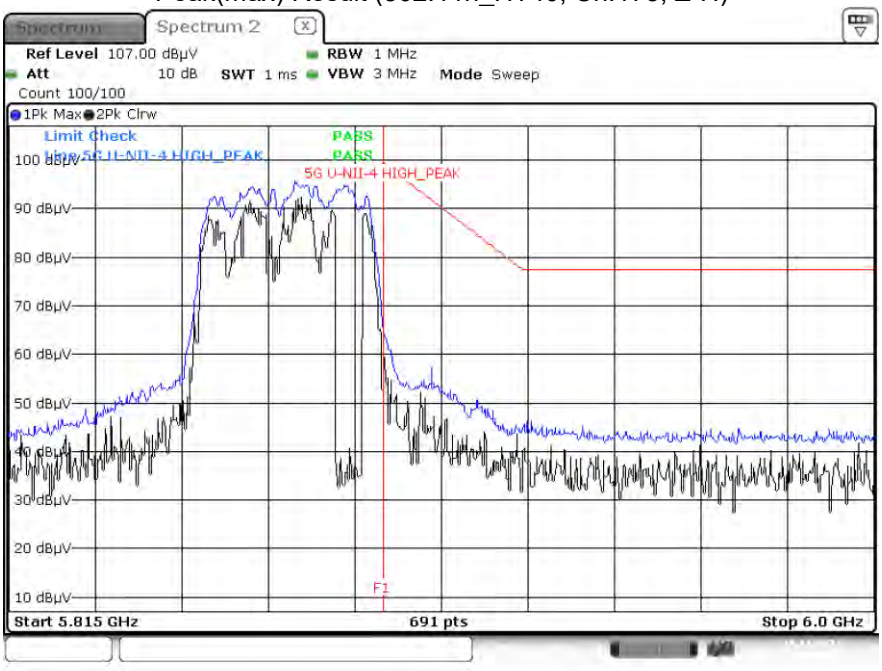
Peak(max) Result (802.11n_HT20, Ch.177, Z-H)



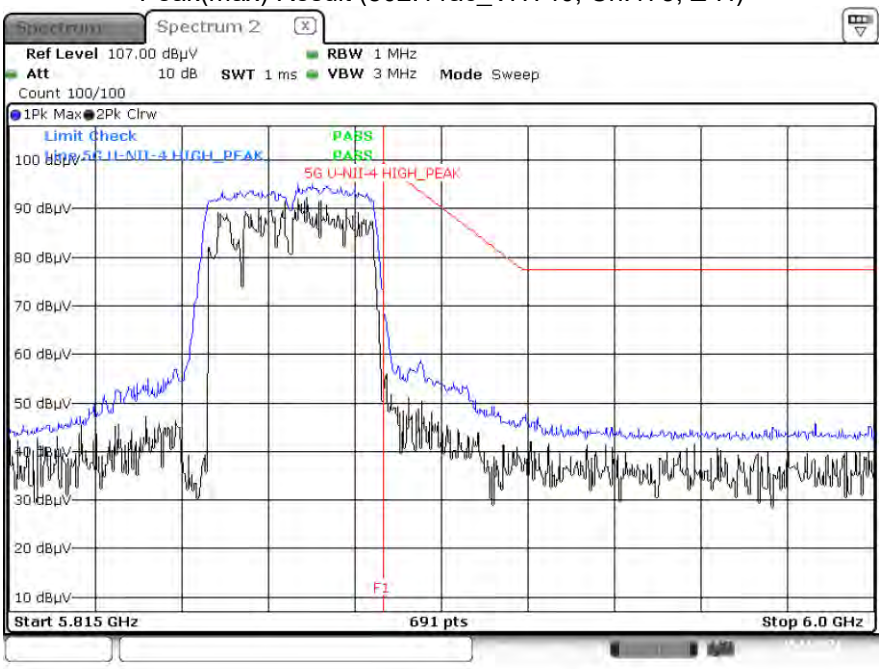
Peak(max) Result (802.11ac_VHT20, Ch.177, Z-H)



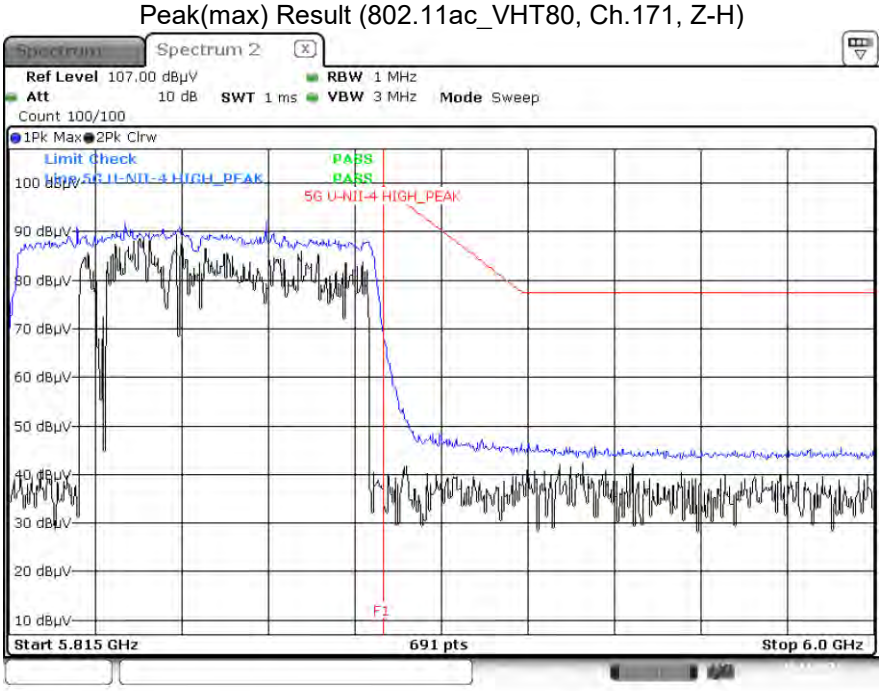
Peak(max) Result (802.11n_HT40, Ch.175, Z-H)



Peak(max) Result (802.11ac_VHT40, Ch.175, Z-H)



Peak(max) Result (802.11ac_VHT80, Ch.171, Z-H)



Note :

1. Only the worst case plots for U-NII-4 O.O.B.E
2. U-NII-4 Low & High O.O.B.E RedLine is Final Test Limit(Peak) about factor value compensation.

10.10 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

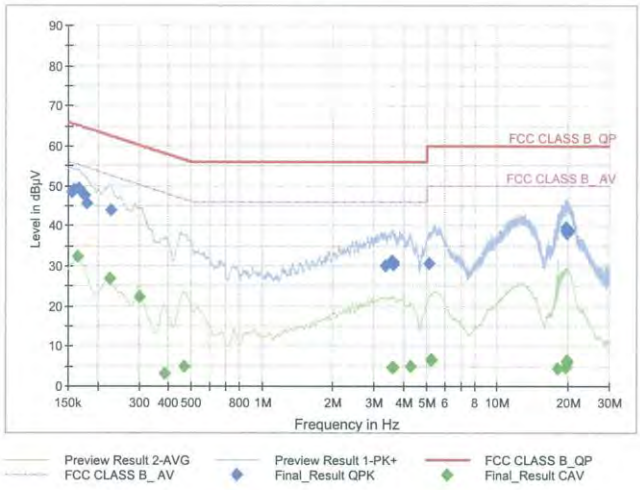
WLAN 5G MODE_L1 1 / 2

Test Report

Common Information

EUT :	SM-S901B/DS
Manufacturer :	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions :	WLAN 5G MODE_L1

Full Spectrum



Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1545	48.45	65.75	17.31	9.000	L1	OFF	9.6
0.1590	49.17	65.52	16.35	9.000	L1	OFF	9.6
0.1658	49.20	65.17	15.97	9.000	L1	OFF	9.6
0.1748	47.48	64.73	17.25	9.000	L1	OFF	9.6
0.1793	45.52	64.52	19.00	9.000	L1	OFF	9.6
0.2265	43.77	62.58	18.80	9.000	L1	OFF	9.6
3.3463	30.07	56.00	25.93	9.000	L1	OFF	9.8
3.5533	30.85	56.00	25.15	9.000	L1	OFF	9.8
3.5983	31.21	56.00	24.79	9.000	L1	OFF	9.8
3.6073	31.00	56.00	25.00	9.000	L1	OFF	9.8
3.6185	30.42	56.00	25.58	9.000	L1	OFF	9.8
5.1395	30.71	60.00	29.29	9.000	L1	OFF	9.9
19.5035	39.52	60.00	20.48	9.000	L1	OFF	10.4
19.5148	38.90	60.00	21.10	9.000	L1	OFF	10.4
19.5193	38.61	60.00	21.39	9.000	L1	OFF	10.4
19.7578	38.05	60.00	21.95	9.000	L1	OFF	10.4
19.8185	38.91	60.00	21.09	9.000	L1	OFF	10.4
19.9018	38.59	60.00	21.41	9.000	L1	OFF	10.4

2021-09-30 오후 11:13:27

WLAN 5G MODE_L1 2 / 2

Final_Result_CAV

Frequency (MHz)	CAVerage (dBuV)	Limit (dBuV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1635	32.23	55.28	23.05	9.000	L1	OFF	9.6
0.2243	26.87	52.66	25.79	9.000	L1	OFF	9.6
0.3008	22.25	50.22	27.98	9.000	L1	OFF	9.6
0.3840	3.05	48.19	45.14	9.000	L1	OFF	9.6
0.4673	4.95	46.56	41.61	9.000	L1	OFF	9.6
3.5960	4.52	46.00	41.48	9.000	L1	OFF	9.8
3.6095	4.58	46.00	41.42	9.000	L1	OFF	9.8
3.6163	4.55	46.00	41.45	9.000	L1	OFF	9.8
4.2643	4.80	46.00	41.20	9.000	L1	OFF	9.8
5.2318	6.24	50.00	43.76	9.000	L1	OFF	9.9
5.2655	6.57	50.00	43.43	9.000	L1	OFF	9.9
18.0545	4.19	50.00	45.81	9.000	L1	OFF	10.3
19.5170	4.48	50.00	45.52	9.000	L1	OFF	10.4
19.7578	6.08	50.00	43.92	9.000	L1	OFF	10.4
19.7623	6.21	50.00	43.79	9.000	L1	OFF	10.4
19.8140	5.87	50.00	44.13	9.000	L1	OFF	10.4
19.8320	5.94	50.00	44.06	9.000	L1	OFF	10.4
19.8973	5.65	50.00	44.35	9.000	L1	OFF	10.4

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Conducted Emissions (Line 2)

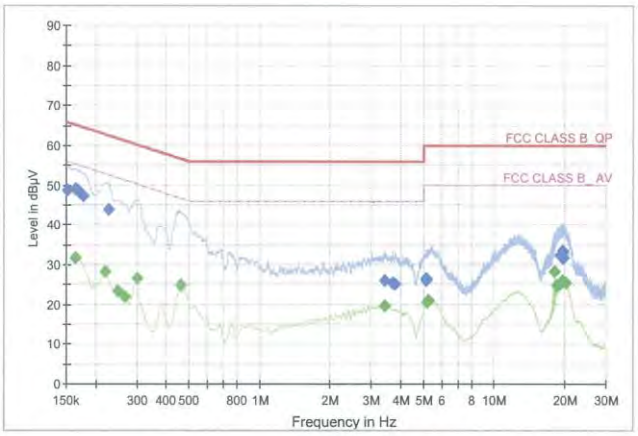
WLAN 5G MODE_N 1 / 2

Test Report

Common Information

EUT :	SM-S901B/DS
Manufacturer :	SAMSUNG
Test Site:	SHIELD ROOM
Operating Conditions :	WLAN 5G MODE_N

Full Spectrum



Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1523	48.74	65.88	17.13	9.000	N	OFF	9.6
0.1635	48.97	65.28	16.31	9.000	N	OFF	9.6
0.1680	48.72	65.06	16.34	9.000	N	OFF	9.6
0.1725	48.10	64.84	16.74	9.000	N	OFF	9.6
0.1770	47.28	64.63	17.35	9.000	N	OFF	9.6
0.2265	43.72	62.58	18.86	9.000	N	OFF	9.6
3.4363	26.02	56.00	29.98	9.000	N	OFF	9.8
3.7130	25.26	56.00	30.74	9.000	N	OFF	9.8
3.8053	25.22	56.00	30.78	9.000	N	OFF	9.8
5.1170	26.03	60.00	33.97	9.000	N	OFF	9.9
5.1238	26.27	60.00	33.73	9.000	N	OFF	9.9
5.1553	26.61	60.00	33.39	9.000	N	OFF	9.9
19.1548	32.36	60.00	27.64	9.000	N	OFF	10.4
19.4653	31.70	60.00	28.30	9.000	N	OFF	10.4
19.5238	33.39	60.00	26.61	9.000	N	OFF	10.4
19.6138	33.34	60.00	26.66	9.000	N	OFF	10.4
19.6205	32.95	60.00	27.05	9.000	N	OFF	10.4
19.8590	31.87	60.00	28.13	9.000	N	OFF	10.5

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WLAN 5G MODE_N 2 / 2

Final_Result_CAV

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1635	31.72	55.28	23.56	9.000	N	OFF	9.6
0.2198	28.24	52.83	24.59	9.000	N	OFF	9.6
0.2490	23.24	51.79	28.55	9.000	N	OFF	9.6
0.2648	21.97	51.28	29.31	9.000	N	OFF	9.6
0.3008	26.42	50.22	23.80	9.000	N	OFF	9.6
0.4628	24.92	46.64	21.73	9.000	N	OFF	9.6
3.4273	19.63	46.00	26.37	9.000	N	OFF	9.8
5.1688	20.52	50.00	29.48	9.000	N	OFF	9.9
5.1778	20.45	50.00	29.55	9.000	N	OFF	9.9
5.2610	20.88	50.00	29.12	9.000	N	OFF	9.9
5.2700	20.98	50.00	29.02	9.000	N	OFF	9.9
18.0545	28.37	50.00	21.63	9.000	N	OFF	10.4
18.4348	24.90	50.00	25.10	9.000	N	OFF	10.4
19.2268	25.00	50.00	25.00	9.000	N	OFF	10.4
19.5193	26.04	50.00	23.96	9.000	N	OFF	10.4
19.6093	25.56	50.00	24.44	9.000	N	OFF	10.4
19.6138	25.63	50.00	24.37	9.000	N	OFF	10.4
20.1268	25.45	50.00	24.55	9.000	N	OFF	10.5

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11. LIST OF TEST EQUIPMENT

Conducted Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
LISN	ENV216	Rohde & Schwarz	102245	08/23/2022	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	06/17/2022	Annual
Temperature Chamber	SU-642	ESPEC	0093008124	03/15/2022	Annual
Signal Analyzer	N9030A	Agilent	MY49432108	03/09/2022	Annual
Signal Analyzer	N9030A	Agilent	US51350313	03/30/2022	Annual
Power Meter	N1911A	Agilent	MY45100523	04/08/2022	Annual
Power Sensor	N1921A	Agilent	MY57820067	04/08/2022	Annual
Power Splitter	11667B	Hewlett Packard	10545	02/09/2022	Annual
DC Power Supply	E3632A	HP	MY50360067	02/26/2022	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C	HP	07560	06/18/2022	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C	HP	08285	06/28/2022	Annual
Attenuator(20 dB)	18N-20dB	Rohde & Schwarz	8	03/08/2022	Annual
Software	EMC32	Rohde & Schwarz	N/A	N/A	N/A
FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	HCT CO., LTD.	N/A	N/A	N/A

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	N/A	N/A	N/A
Controller	EM1000	Audix	060520	N/A	N/A
Turn Table	N/A	Audix	N/A	N/A	N/A
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM19050002	N/A	N/A
Loop Antenna	1513	Schwarzbeck	1513-333	03/19/2022	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	09/04/2022	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02296	05/19/2022	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	04/12/2023	Biennial
Spectrum Analyzer	FSV(10 Hz ~ 40 GHz)	Rohde & Schwarz	101055	05/14/2022	Annual
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/06/2022	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	06/24/2022	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/24/2022	Annual
Power Amplifier	CBL18265035	CERNEX	22966	12/04/2021	Annual
Power Amplifier	CBL26405040	CERNEX	25956	03/23/2022	Annual
HPF(3~18GHz) + LNA1(1~18GHz)	FMSR-05B	TNM system	F6	01/20/2022	Annual
ATT(10dB) + LNA1(1~18GHz)	FMSR -05B	TNM system	None	01/20/2022	Annual
ATT(3dB) + LNA1(1~18GHz)	FMSR -05B	TNM system	None	01/20/2022	Annual
LNA1(1~18GHz)	FMSR -05B	TNM system	25540	01/20/2022	Annual
HPF(7~18GHz) + LNA2(6~18GHz)	FMSR -05B	TNM system	28550	01/20/2022	Annual
Thru(30MHz ~ 18GHz)	FMSR -05B	TNM system	None	01/20/2022	Annual

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

12. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-2110-FC023-P