



NOTE: Antenna A Power > Antenna B Power, Both antenna A and B have been test, only show the worst data of Antenna A

### Power Spectrum Density

5150-5250MHz									
Frequency	Power Density A(dBm)	Power Density B(dBm)	Ant A Duty cycle factor	Ant B Duty cycle factor	Power Density A(dBm)	Power Density B(dBm)	Power Density Total(dBm)	Limit	Result
802.11a									
5180	2.112	1.085	0.24	0.24	2.352	1.325	--	11	PASS
5200	2.119	0.983	0.24	0.24	2.359	1.223	--	11	PASS
5240	1.879	0.675	0.24	0.24	2.119	0.915	--	11	PASS
802.11n20									
5180	1.990	0.589	0.39	0.41	2.380	0.999	4.754	9.49	PASS
5200	1.548	0.964	0.39	0.41	1.938	1.374	4.675	9.49	PASS
5240	1.673	0.785	0.39	0.41	2.063	1.195	4.661	9.49	PASS
802.11n40									
5190	-0.816	-1.260	0.82	0.81	0.004	-0.450	2.793	9.49	PASS
5230	-1.115	-2.346	0.82	0.81	-0.295	-1.536	2.139	9.49	PASS
802.11ac20									
5180	1.676	1.259	0.42	0.39	2.096	1.649	4.889	9.49	PASS
5200	1.542	1.134	0.42	0.39	1.962	1.524	4.759	9.49	PASS
5240	1.585	1.097	0.42	0.39	2.005	1.487	4.764	9.49	PASS
802.11ac40									
5190	-0.956	-1.687	0.82	0.82	-0.136	-0.867	2.524	9.49	PASS
5230	-0.917	-1.952	0.82	0.82	-0.097	-1.132	2.427	9.49	PASS
802.11ac80									
5210	-2.995	-3.156	1.54	1.55	-1.455	-1.606	1.480	9.49	PASS

Note: MIMO technology Directional gain=7.51dBi, 802.11n(HT20), 802.11n(HT40), 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80) limit will reduce 1.51dBi, the limit is 9.49dBm.



5725-5850MHz									
Frequency	Power Density A(dBm)	Power Density B(dBm)	Ant A Duty cycle factor	Ant B Duty cycle factor	Power Density A(dBm)	Power Density B(dBm)	Power Density Total(dBm)	Limit	Result
802.11a									
5745	3.348	1.267	0.24	0.25	3.588	1.517	--	30	PASS
5785	3.162	2.154	0.24	0.25	3.402	2.404	--	30	PASS
5825	3.970	1.924	0.24	0.25	4.210	2.174	--	30	PASS
802.11n20									
5745	3.214	2.653	0.39	0.39	3.604	3.043	6.343	28.49	PASS
5785	3.286	1.279	0.39	0.39	3.676	1.669	5.798	28.49	PASS
5825	3.366	1.982	0.39	0.39	3.756	2.372	6.129	28.49	PASS
802.11n40									
5755	-0.175	-1.367	0.82	0.82	0.645	-0.547	3.100	28.49	PASS
5795	0.293	-1.279	0.82	0.82	1.113	-0.459	3.408	28.49	PASS
802.11ac20									
5745	2.940	2.057	0.4	0.39	3.340	2.447	5.927	28.49	PASS
5785	3.098	1.980	0.4	0.39	3.498	2.370	5.981	28.49	PASS
5825	3.649	2.079	0.4	0.39	4.049	2.469	6.341	28.49	PASS
802.11ac40									
5755	-0.079	-1.367	0.8	0.8	0.721	-0.567	3.135	28.49	PASS
5795	0.148	-2.039	0.8	0.8	0.948	-1.239	3.001	28.49	PASS
802.11ac80									
5775	-3.001	-5.007	1.55	1.54	-1.451	-3.467	0.667	28.49	PASS

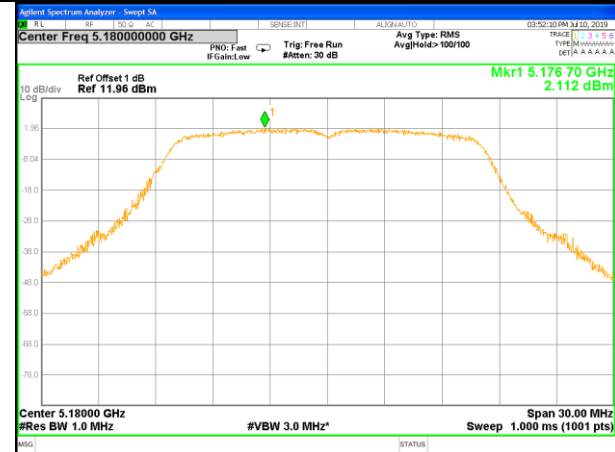
Note: MIMO technology Directional gain=7.51dBi, 802.11n(HT20), 802.11n(HT40) , 802.11ac (VHT20) , 802.11ac (VHT40) , 802.11ac (VHT80) limit will reduce 1.51dBi, the limit is 28.49dBm.



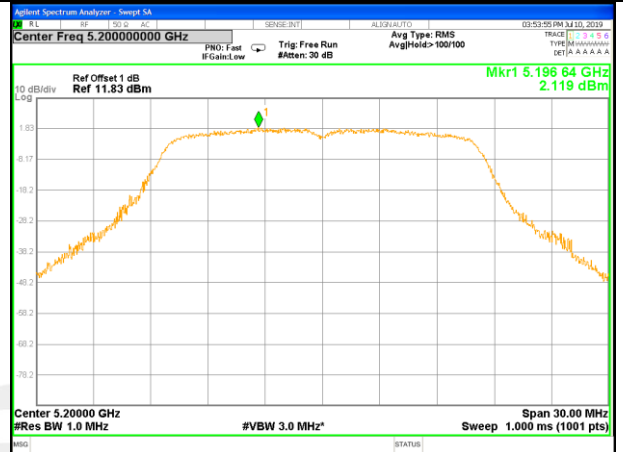
Antenna A  
5.2G WIFI

5.2G WIFI

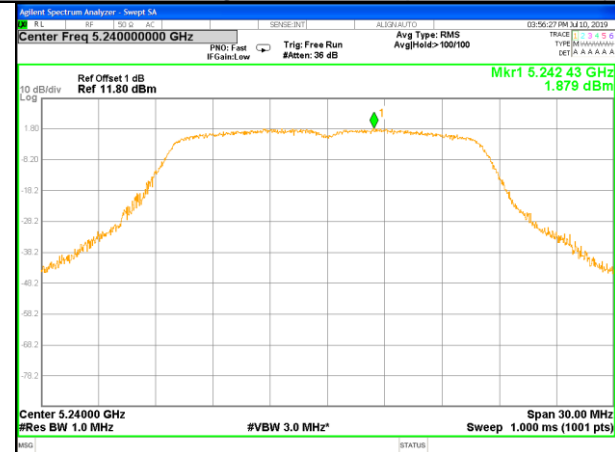
W52\_11a20\_Lower\_Power Spectrum Density



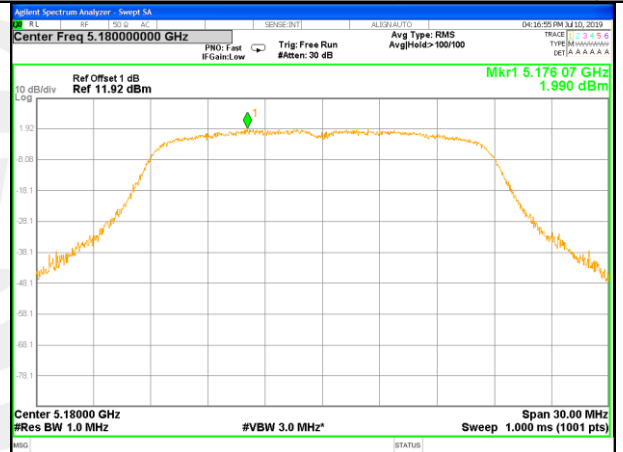
W52\_11a20\_Middle\_Power Spectrum Density



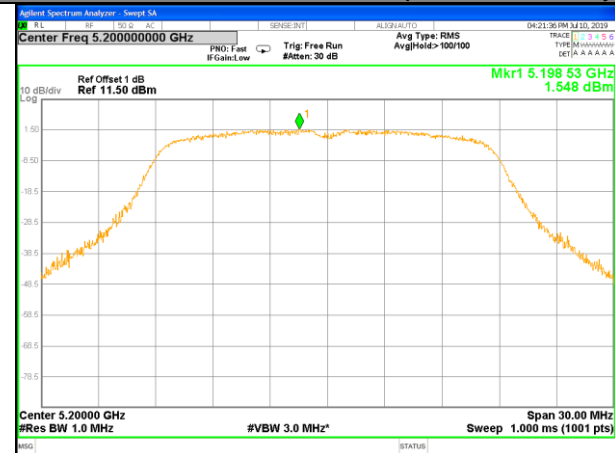
W52\_11a20\_Higher\_Power Spectrum Density



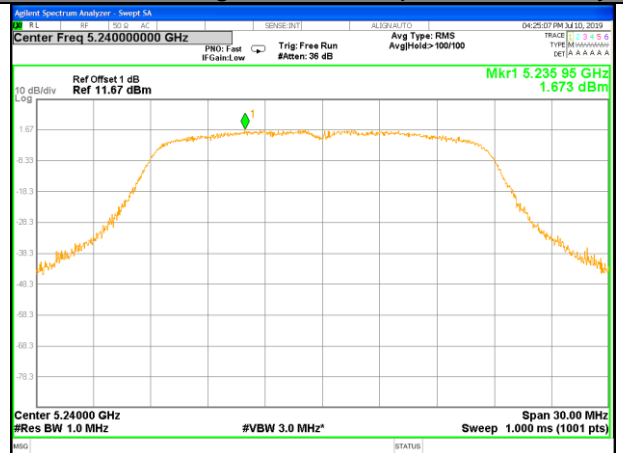
W52\_11n20\_Lower\_Power Spectrum Density



W52\_11n20\_Middle\_Power Spectrum Density



W52\_11n20\_Higher\_Power Spectrum Density

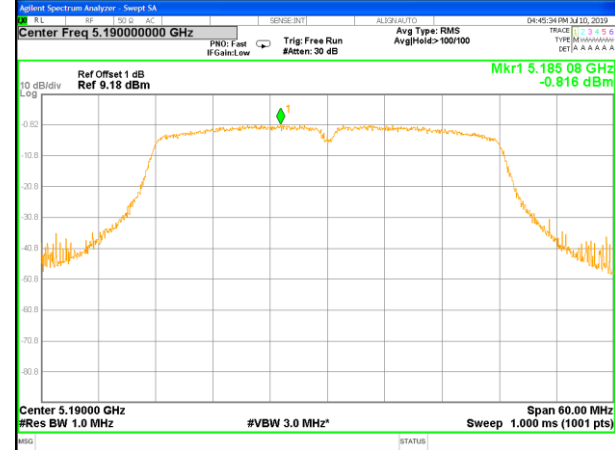




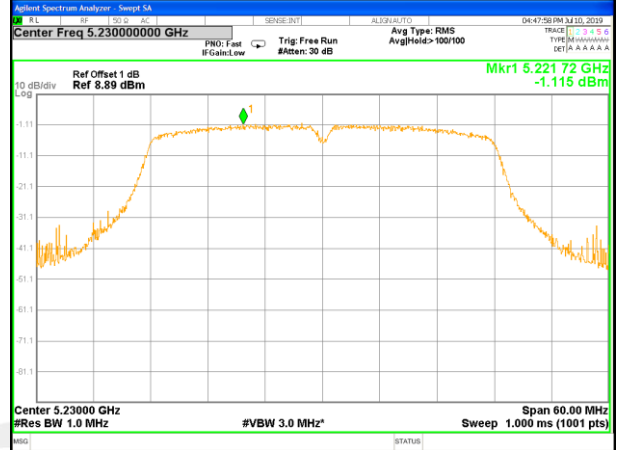
5.2G WIFI

5.2G WIFI

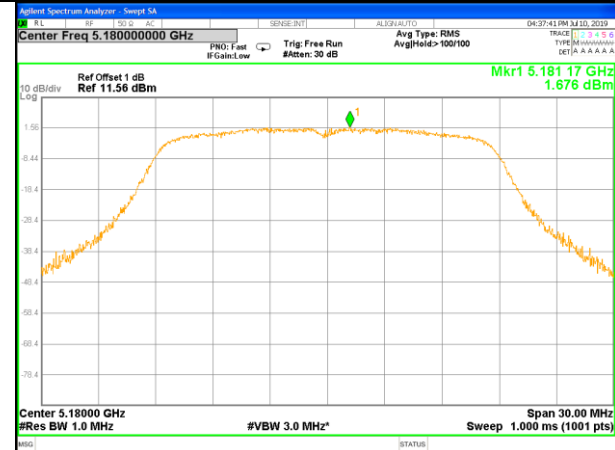
W52\_11n40\_Lower\_Power Spectrum Density



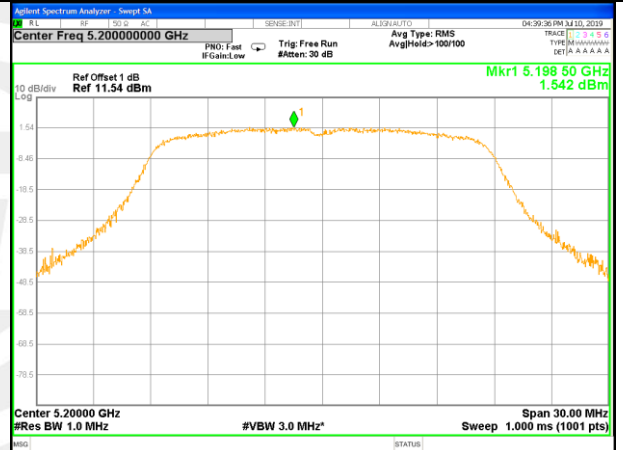
W52\_11n40\_Higher\_Power Spectrum Density



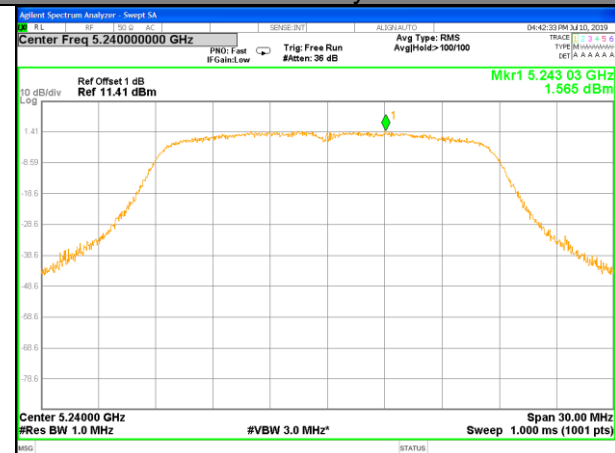
W52\_11ac20\_Lower\_Power Spectrum Density



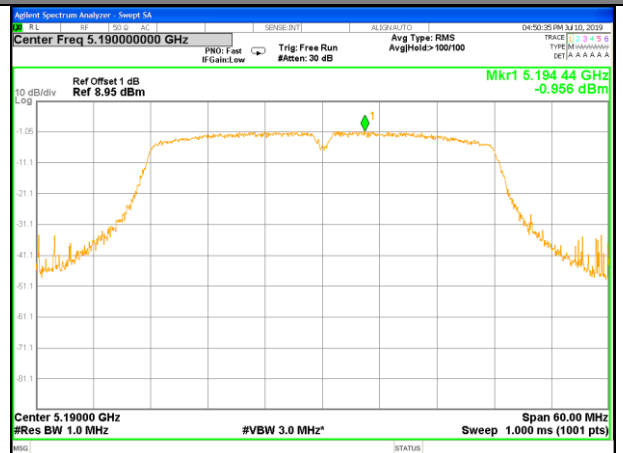
W52\_11ac20\_Middle\_Power Spectrum Density



W52\_11ac20\_Higher\_Power Spectrum Density



W52\_11ac40\_Lower\_Power Spectrum Density

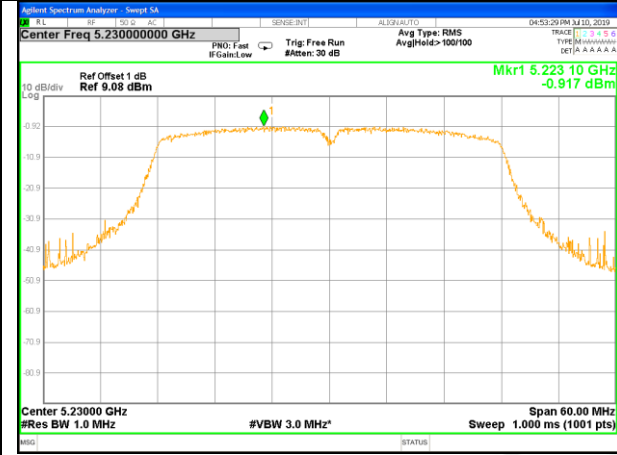




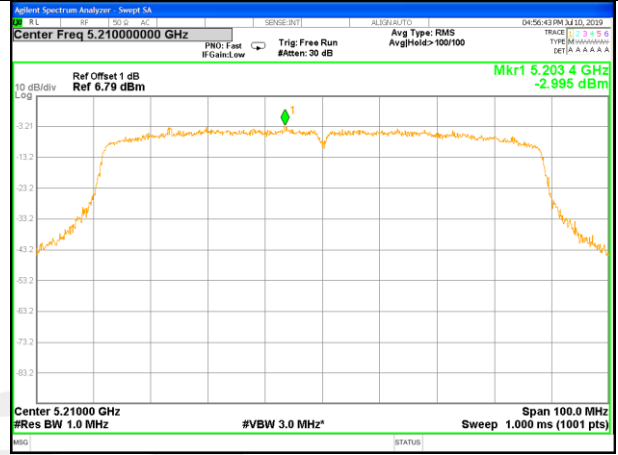
5.2G WIFI

5.2G WIFI

W52\_11ac40\_Higher\_Power Spectrum Density



W52\_11ac80\_CH42(5210MHz)\_Power Spectrum Density

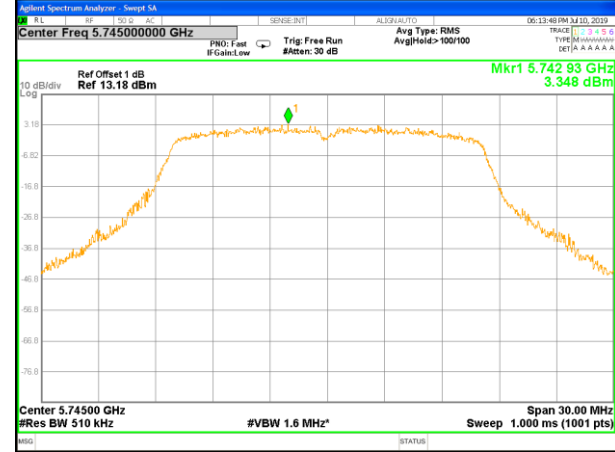




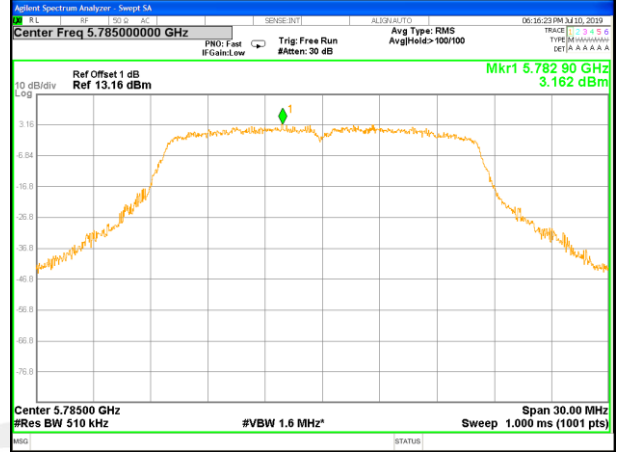
5.8G WIFI

5.8G WIFI

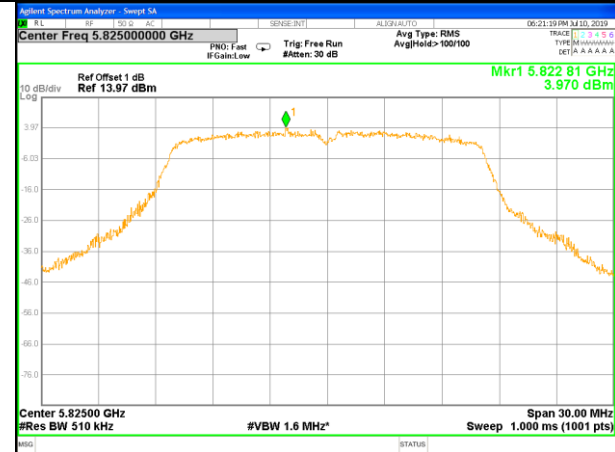
W58\_11a20\_Lower\_Power Spectrum Density



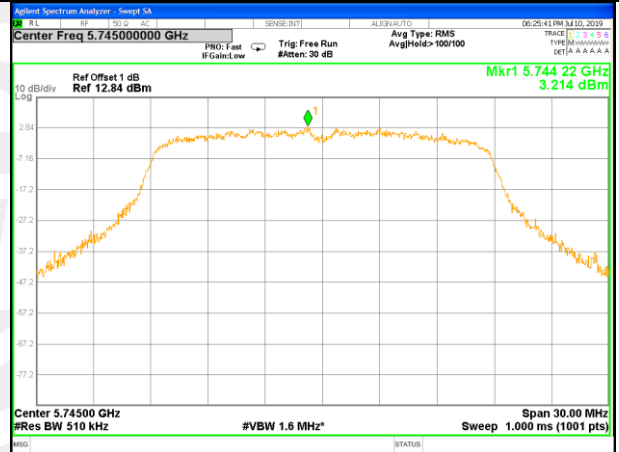
W58\_11a20\_Middle\_Power Spectrum Density



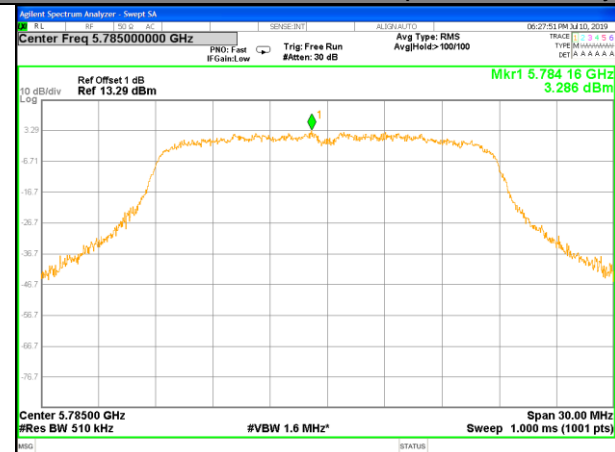
W58\_11a20\_Higher\_Power Spectrum Density



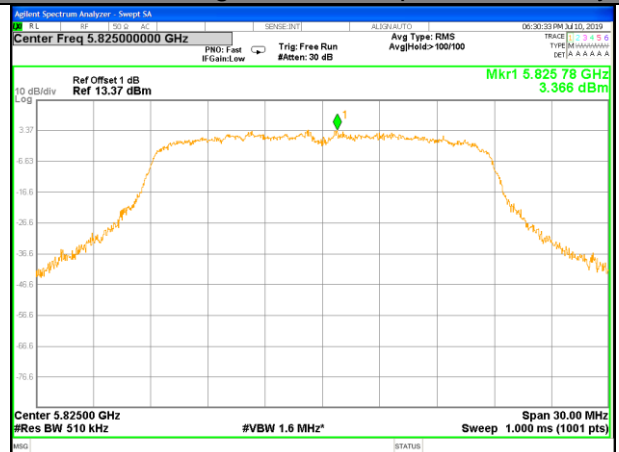
W58\_11n20\_Lower\_Power Spectrum Density



W58\_11n20\_Middle\_Power Spectrum Density



W58\_11n20\_Higher\_Power Spectrum Density

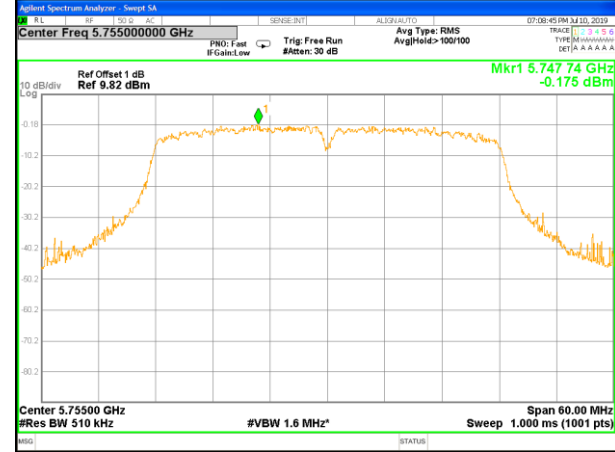




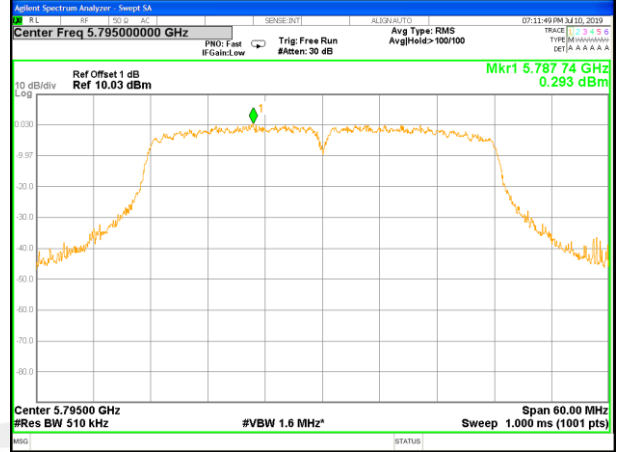
5.8G WIFI

5.8G WIFI

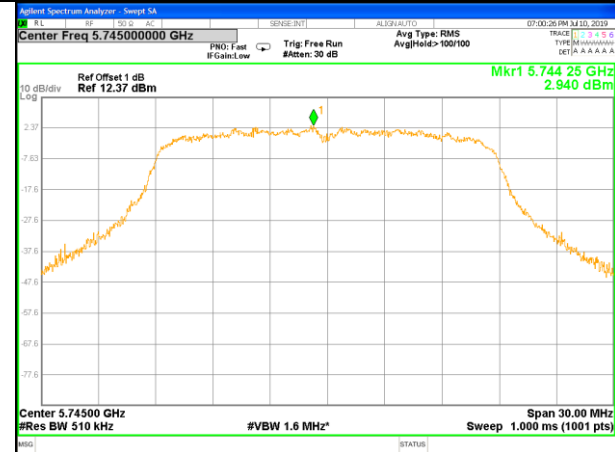
W58\_11n40\_Lower\_Power Spectrum Density



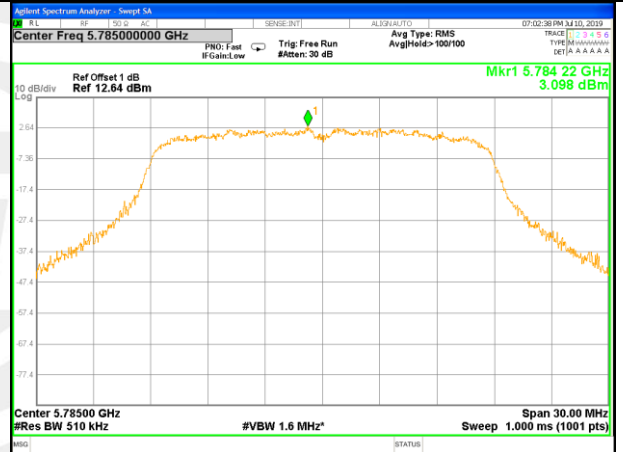
W58\_11n40\_Higher\_Power Spectrum Density



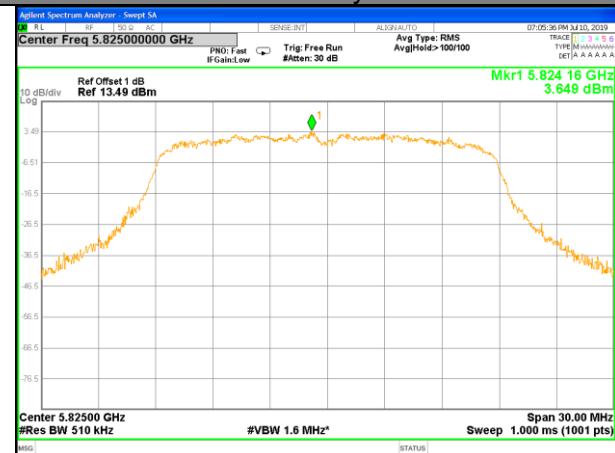
W58\_11ac20\_Lower\_Power Spectrum Density



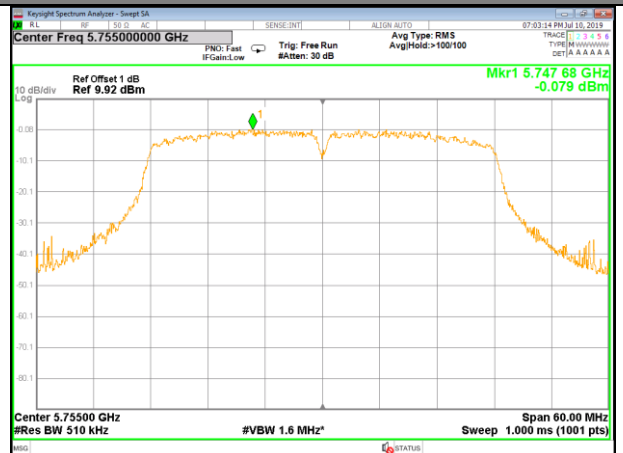
W58\_11ac20\_Middle\_Power Spectrum Density



W58\_11ac20\_Higher\_Power Spectrum Density



W58\_11ac40\_Lower\_Power Spectrum Density





5.8G WIFI

5.8G WIFI

W58\_11ac40\_Higher\_Power Spectrum Density

W58\_11ac80\_Power Density\_5775M

