NOTE: 1. Band I Antenna B Power> Antenna A Power, Both antenna A and B have been test, only shown the worst case, The Directional gain= 5+10log2=8.01dBi, the antenna gain is greater than 6dBi, the 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20),802.11ac(VHT40) ,802.11ac(VHT80) limit will reduced 2.01dBi, the limit is 8.99dBm.

Band IV Antenna A Power> Antenna B Power, Both antenna A and B have been test, only shown the worst case

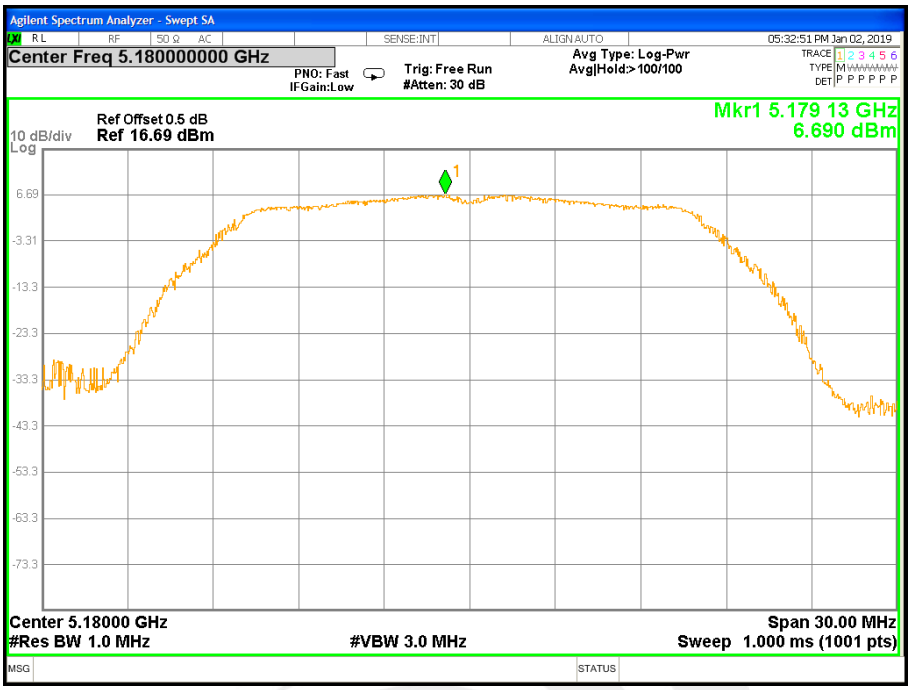
2. 802.11a model can't transmit at the same time.

Band I (5.15-5.25GHz)

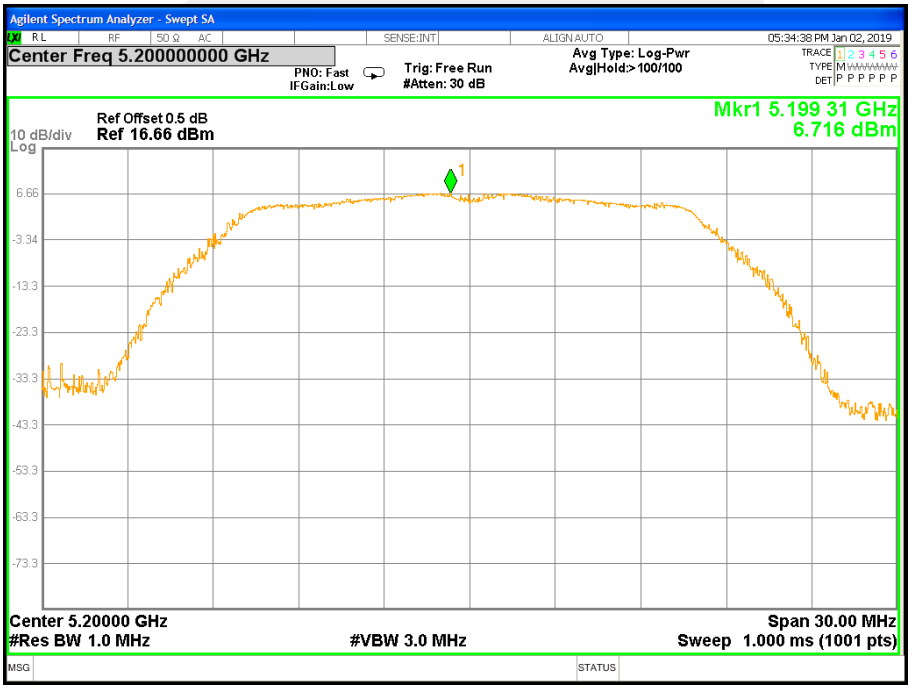
5150-5250MHz					
Frequency	Power Density A(dBm)	Power Density B(dBm)	Power Density Total(dBm)	Limit	Result
802.11a					
5180	5.217	6.690	--	11	PASS
5200	5.256	6.716	--	11	PASS
5240	5.163	6.587	--	11	PASS
802.11n20					
5180	4.539	6.242	8.484	8.99	PASS
5200	4.518	6.559	8.668	8.99	PASS
5240	4.576	6.844	8.867	8.99	PASS
802.11n40					
5190	0.671	1.948	4.367	8.99	PASS
5230	0.652	1.801	4.275	8.99	PASS
802.11ac20					
5180	2.286	3.143	5.746	8.99	PASS
5200	2.367	2.473	5.431	8.99	PASS
5240	2.395	2.728	5.575	8.99	PASS
802.11ac40					
5190	-1.273	-0.881	1.938	8.99	PASS
5230	-1.126	-0.424	2.249	8.99	PASS
802.11ac80					
5210	-2.851	-2.383	0.400	8.99	PASS

Band I (5.15-5.25GHz) 802.11a Antenna B

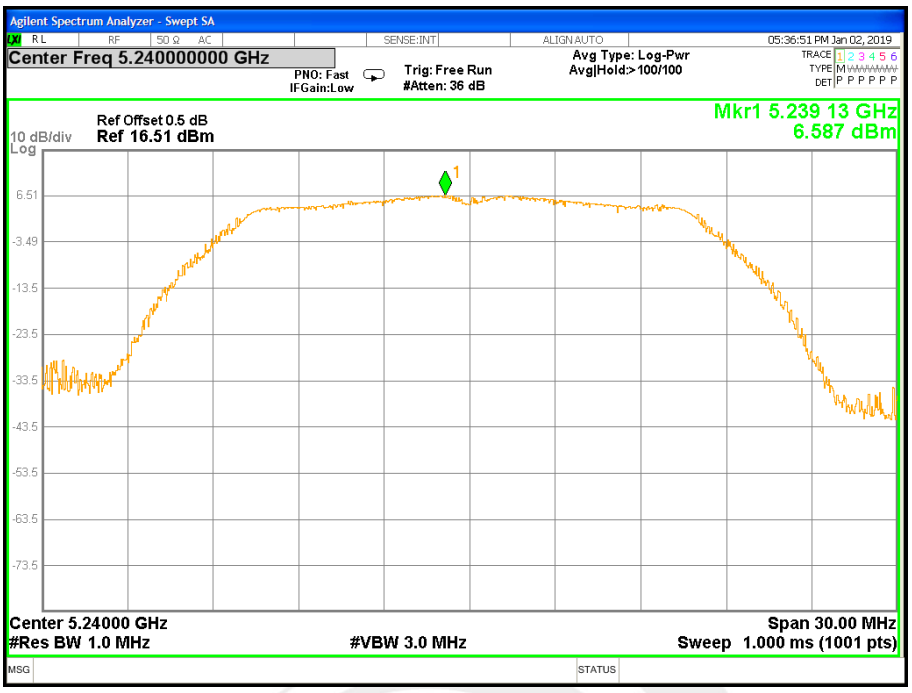
PSD 802.11a Channel 36



PSD 802.11a Channel 40

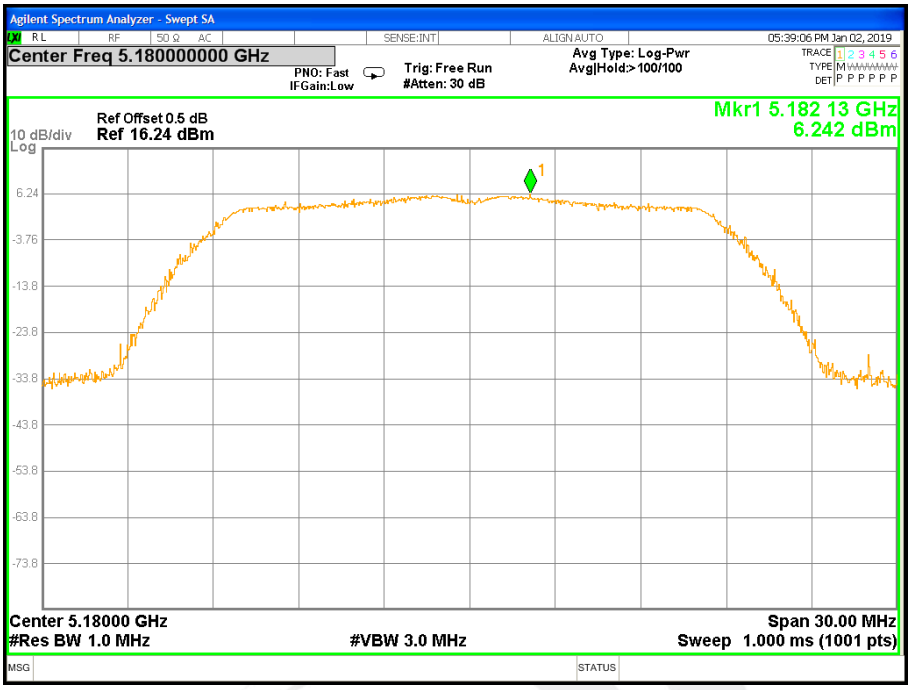


PSD 802.11a Channel 48

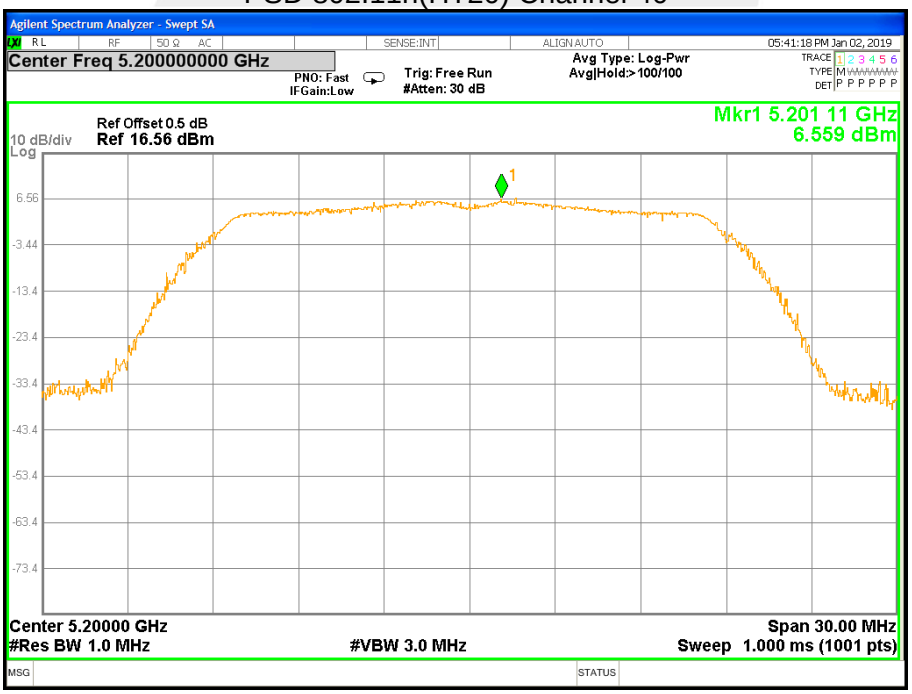


Band I (5.15-5.25GHz) 802.11n(HT20) Antenna B

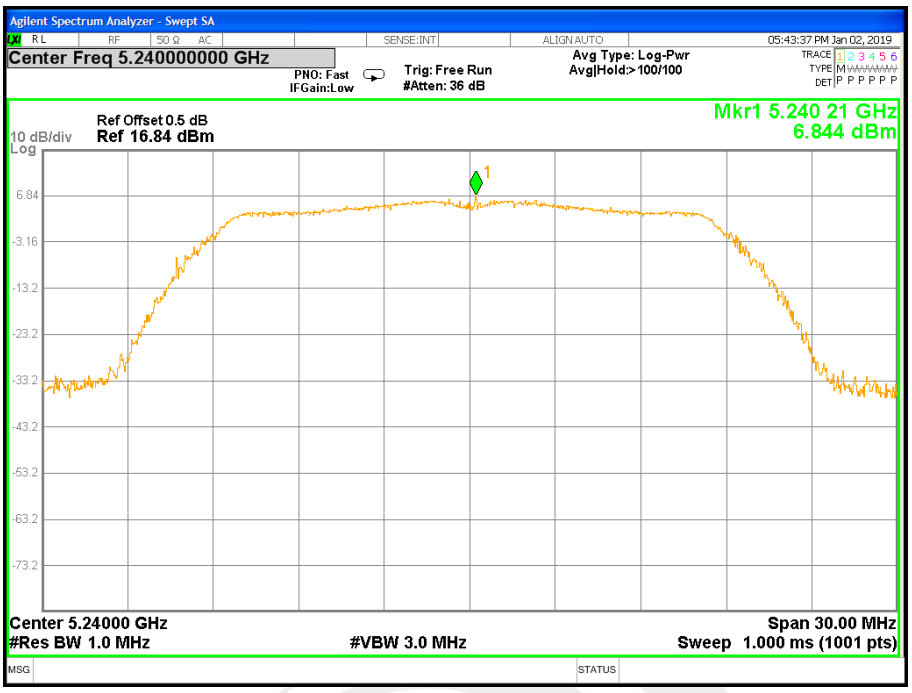
PSD 802.11n(HT20) Channel 36



PSD 802.11n(HT20) Channel 40

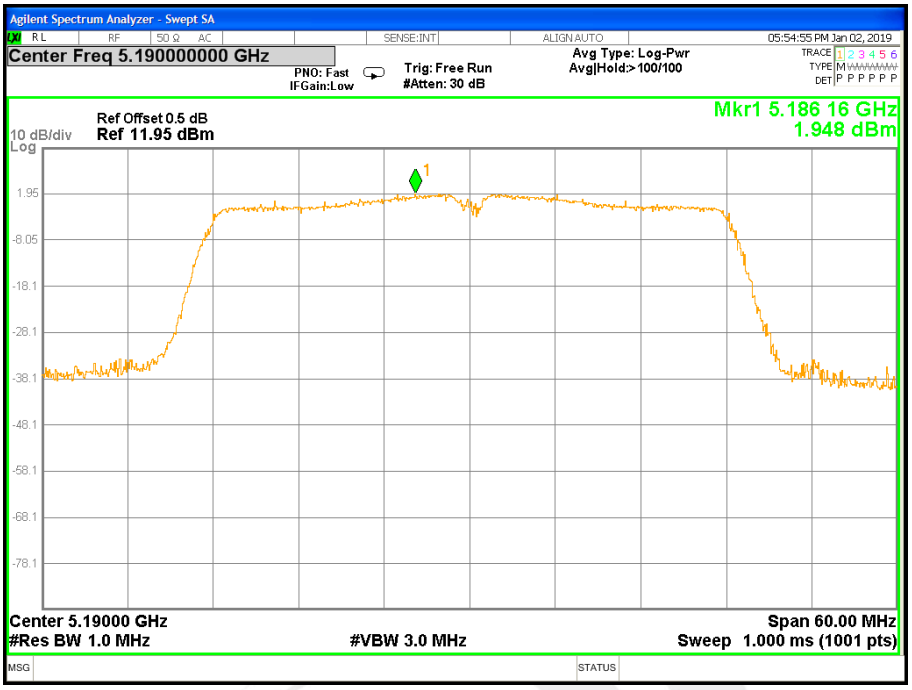


PSD 802.11n(HT20) Channel 48

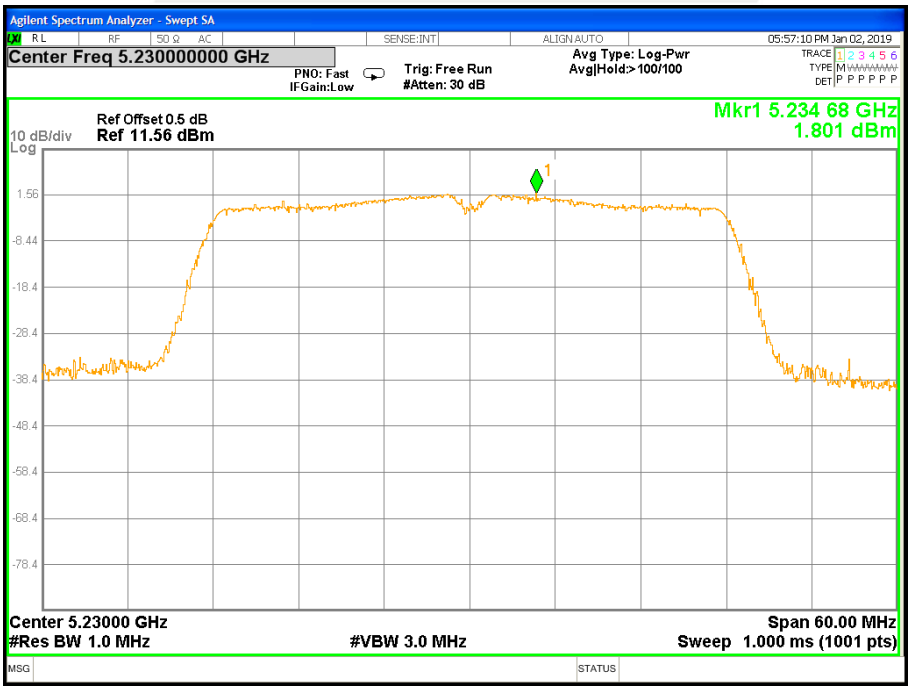


Band I (5.15-5.25GHz) 802.11n(HT40) Antenna B

PSD 802.11n(HT40) Channel 38

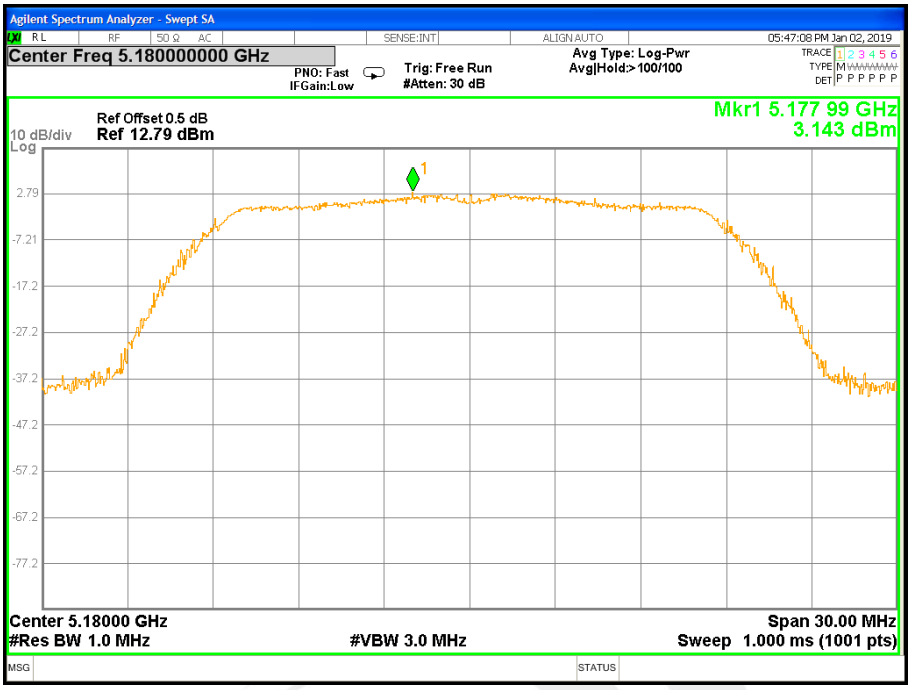


PSD 802.11n(HT40) Channel 46

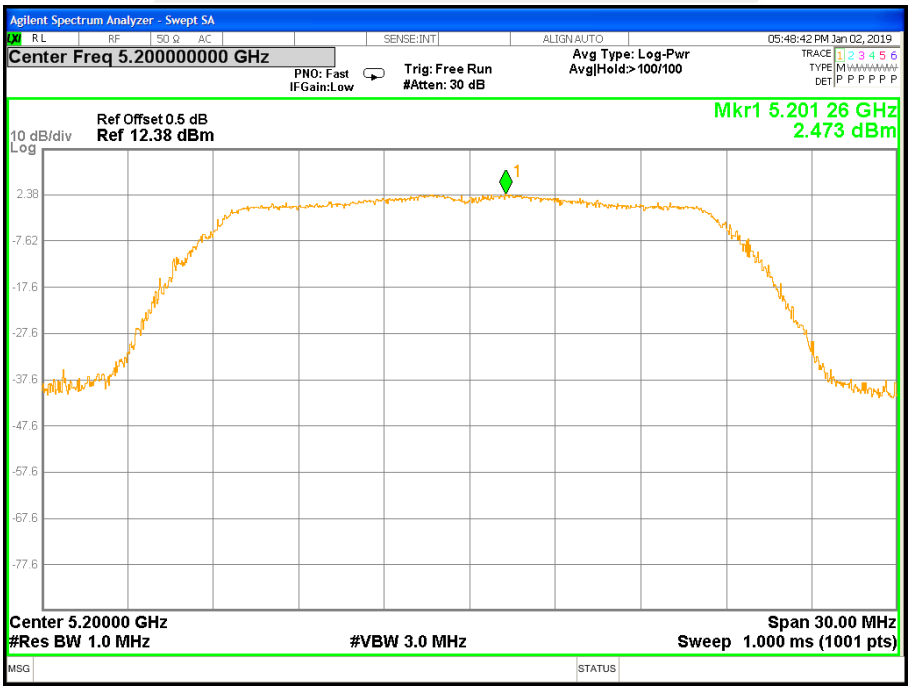


Band I (5.15-5.25GHz) 802.11ac(VHT20) Antenna B

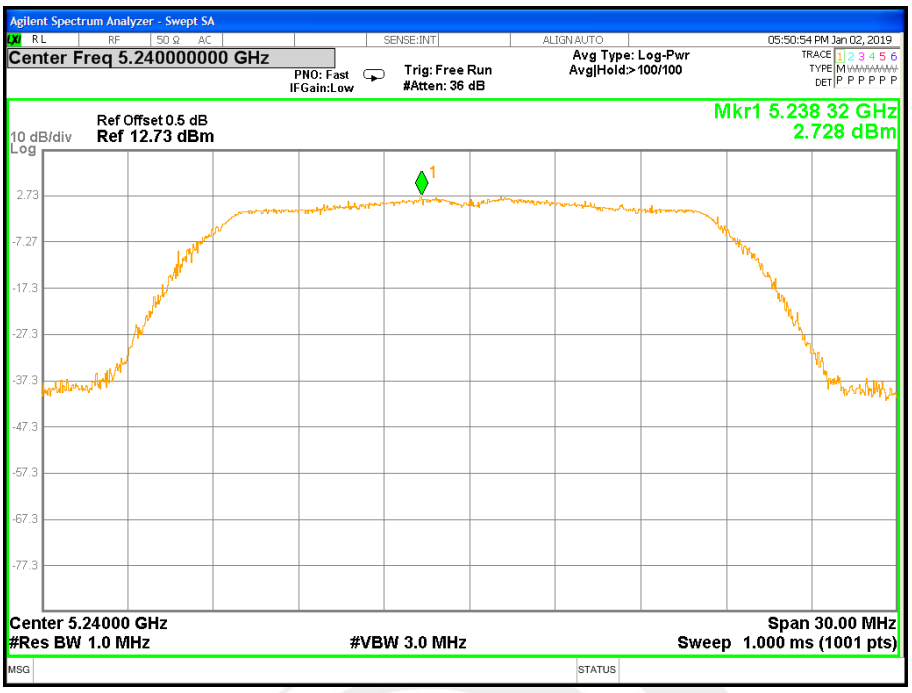
PSD 802.11ac(VHT20) Channel 36



PSD 802.11ac(VHT20) Channel 40

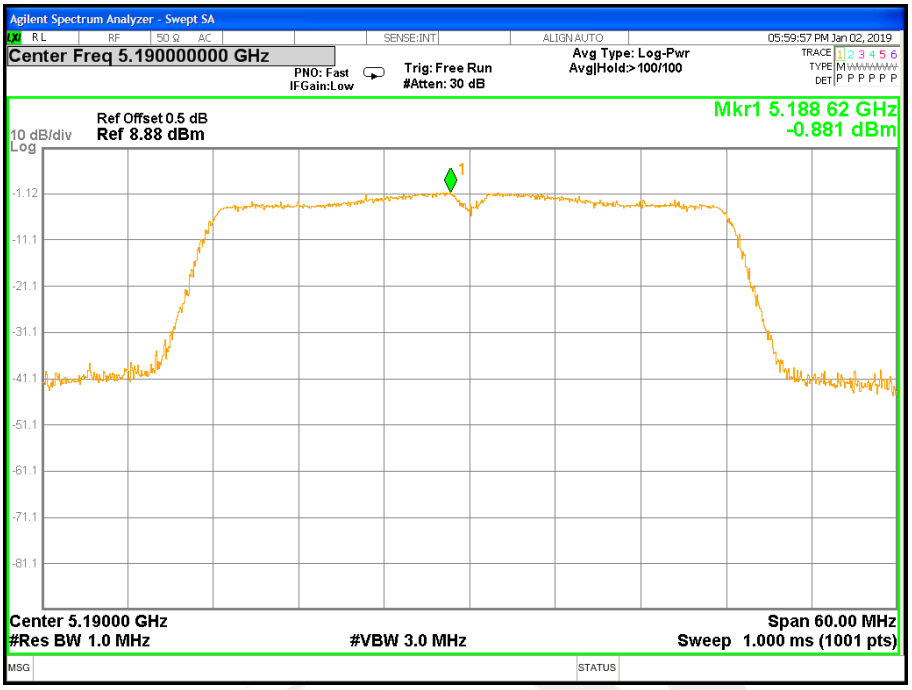


PSD 802.11ac(VHT20) Channel 48

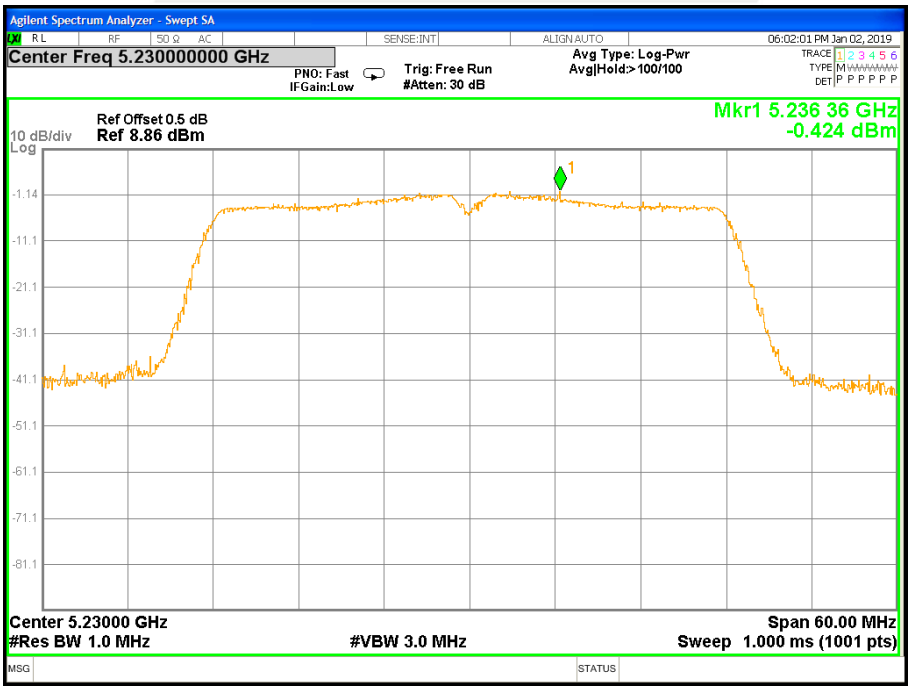


Band I (5.15-5.25GHz) 802.11ac(VHT40) Antenna B

PSD 802.11ac(VHT40) Channel 38

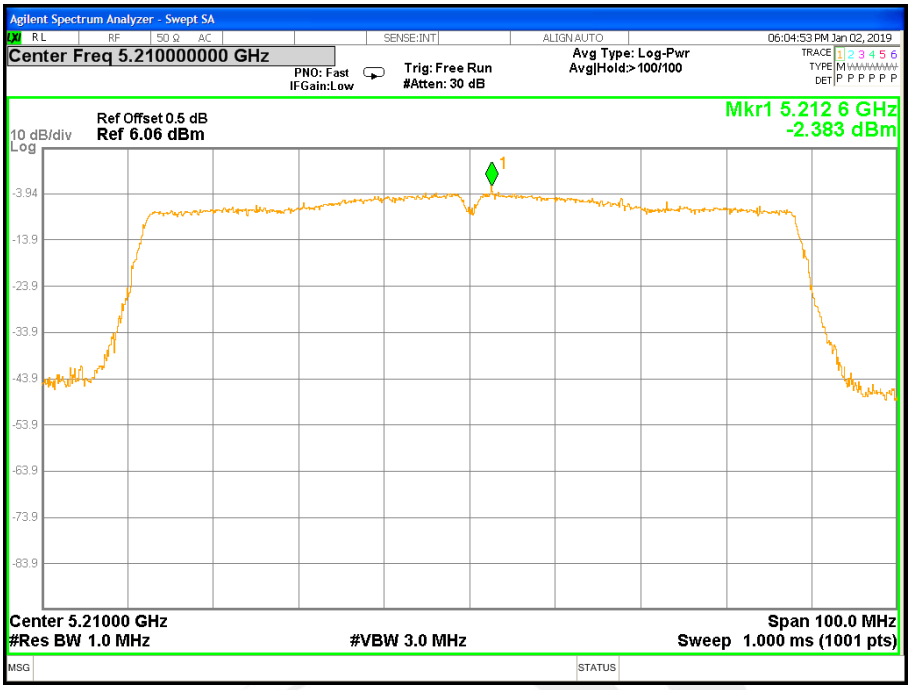


PSD 802.11ac(VHT40) Channel 46



Band I (5.15-5.25GHz) 802.11ac(VHT80) Antenna B

PSD 802.11ac(VHT80) Channel 42

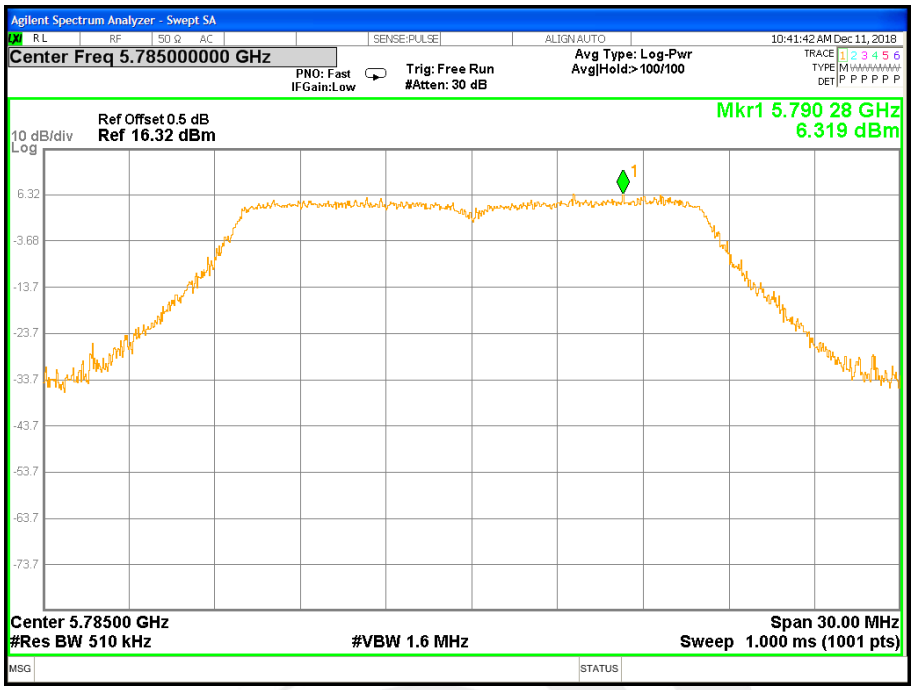


Band IV (5.725-5.850GHz)

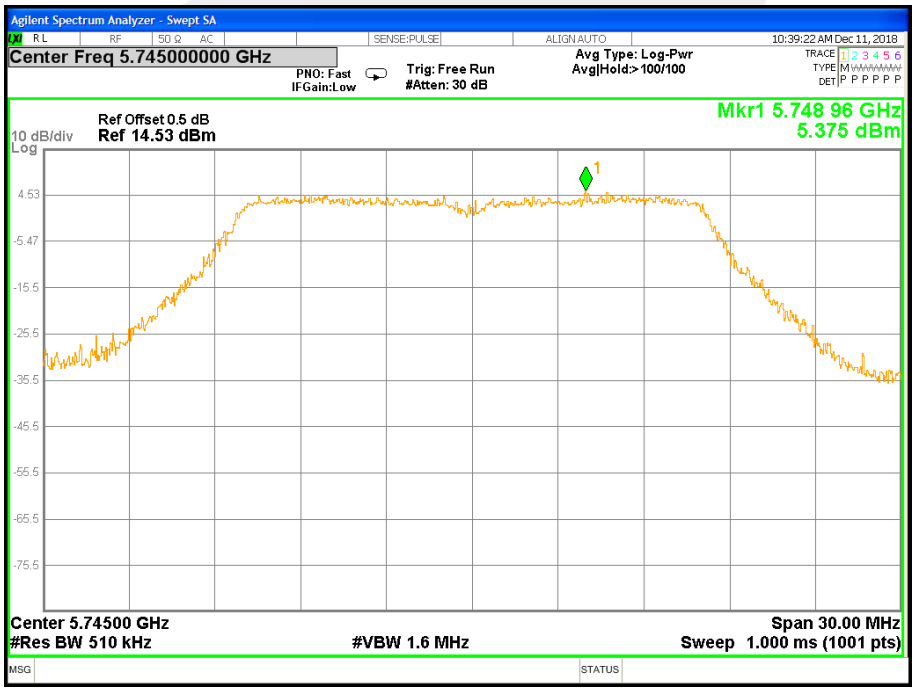
5725-5850MHz					
Frequency	Power Density A(dBm)	Power Density B(dBm)	Power Density Total(dBm)	Limit	Result
802.11a					
5745	5.375	5.114	--	30	PASS
5785	6.319	6.130	--	30	PASS
5825	7.286	7.031	--	30	PASS
802.11n20					
5745	4.442	4.280	7.372	30	PASS
5785	6.323	6.138	9.242	30	PASS
5825	6.421	6.284	9.363	30	PASS
802.11n40					
5755	0.849	-1.254	2.934	30	PASS
5795	2.125	0.168	4.266	30	PASS
802.11ac20					
5745	5.268	5.031	8.161	30	PASS
5785	5.795	5.546	8.683	30	PASS
5825	7.150	6.895	10.035	30	PASS
802.11ac40					
5755	-1.581	-1.848	1.298	30	PASS
5795	-0.764	-0.945	2.157	30	PASS
802.11ac80					
5775	-0.302	-0.694	2.517	30	PASS

Band IV (5.725-5.850GHz)802.11a Antenna A

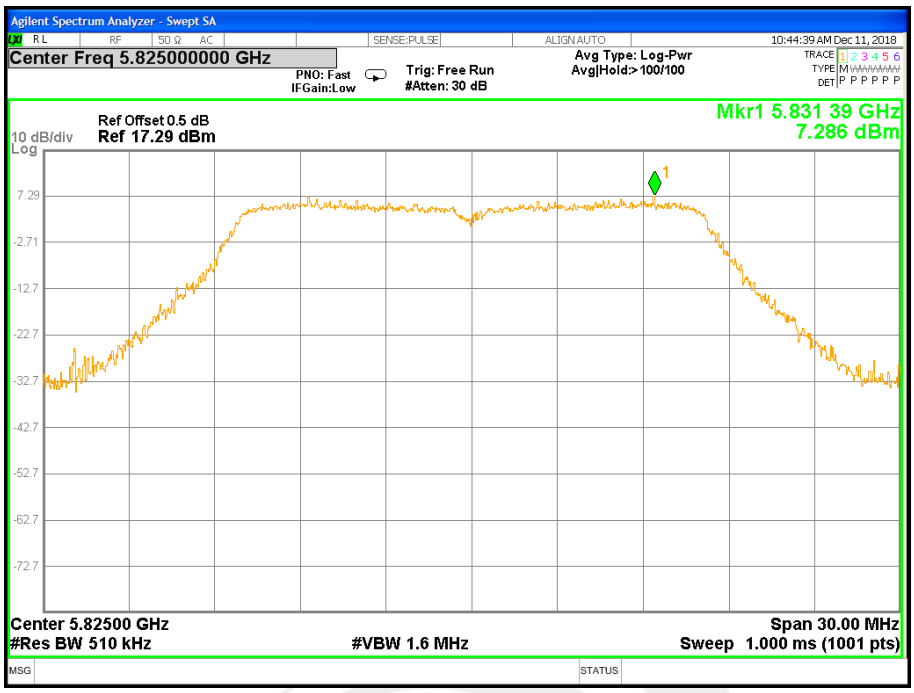
PSD 802.11a Channel 149



PSD 802.11a Channel 157

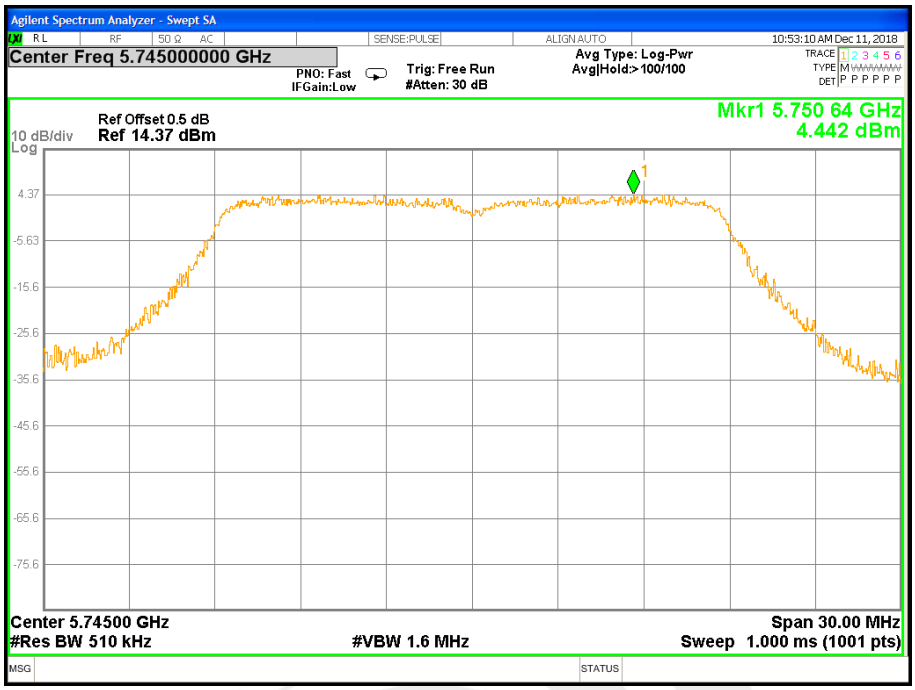


PSD 802.11a Channel 165

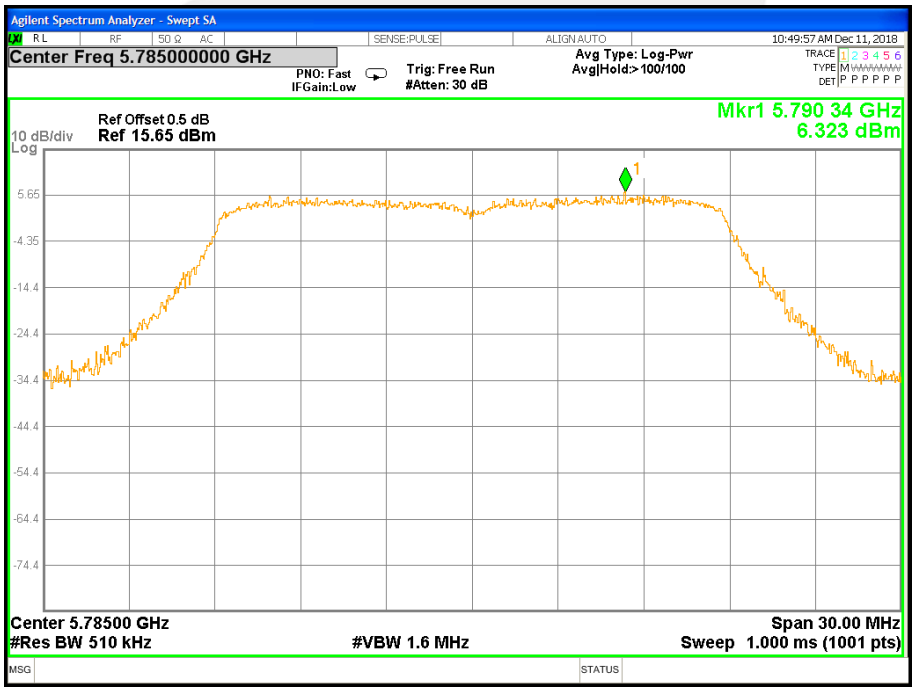


Band IV (5.725-5.850GHz)802.11n(HT20) Antenna A

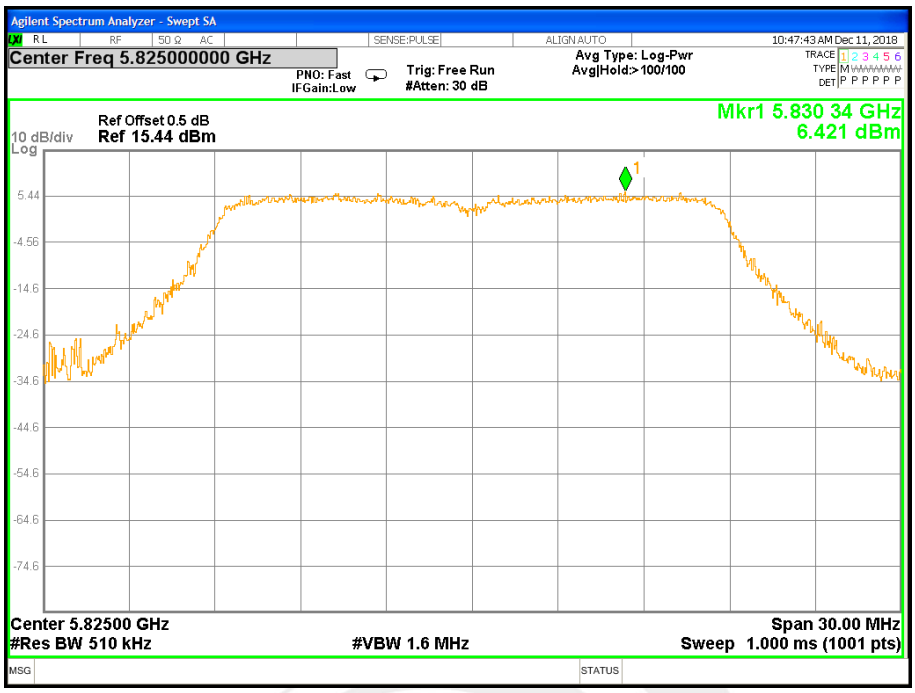
PSD 802.11n(HT20) Channel 149



PSD 802.11n(HT20) Channel 157

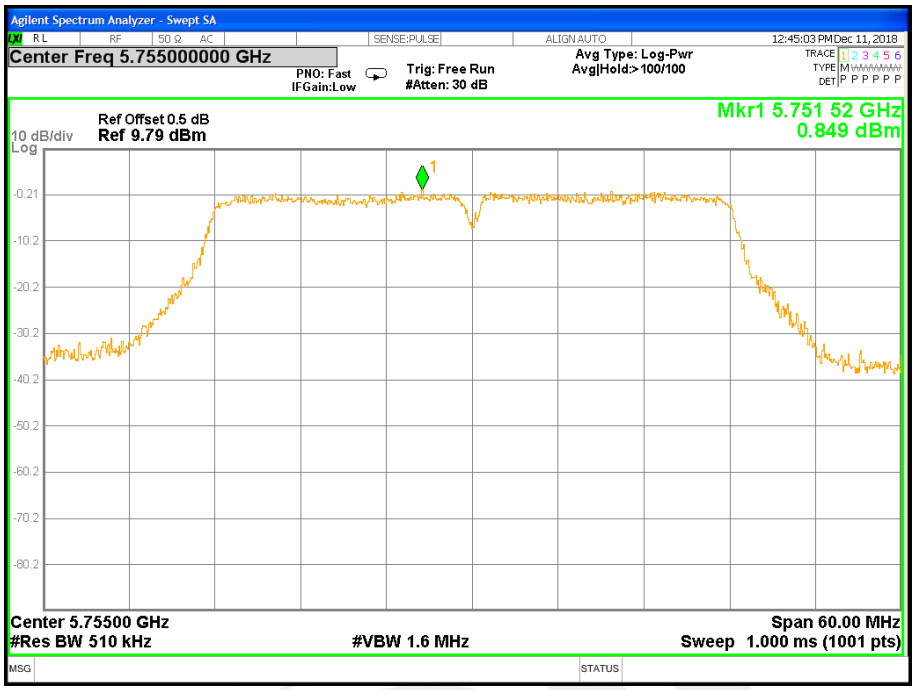


PSD 802.11n(HT20) Channel 165

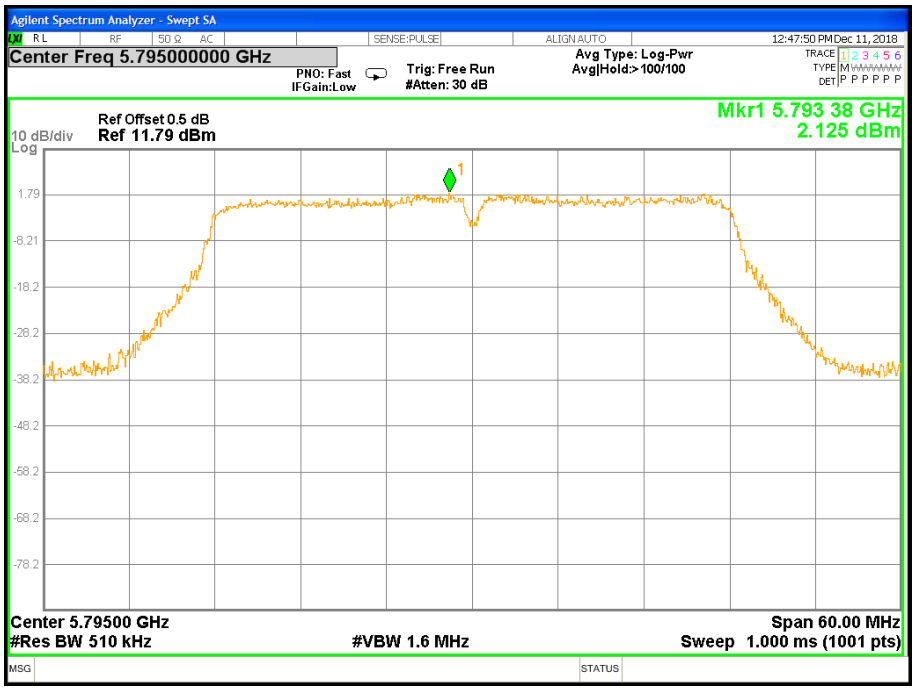


Band IV (5.725-5.850GHz)802.11n(HT40) Antenna A

PSD 802.11n(HT40) Channel 151

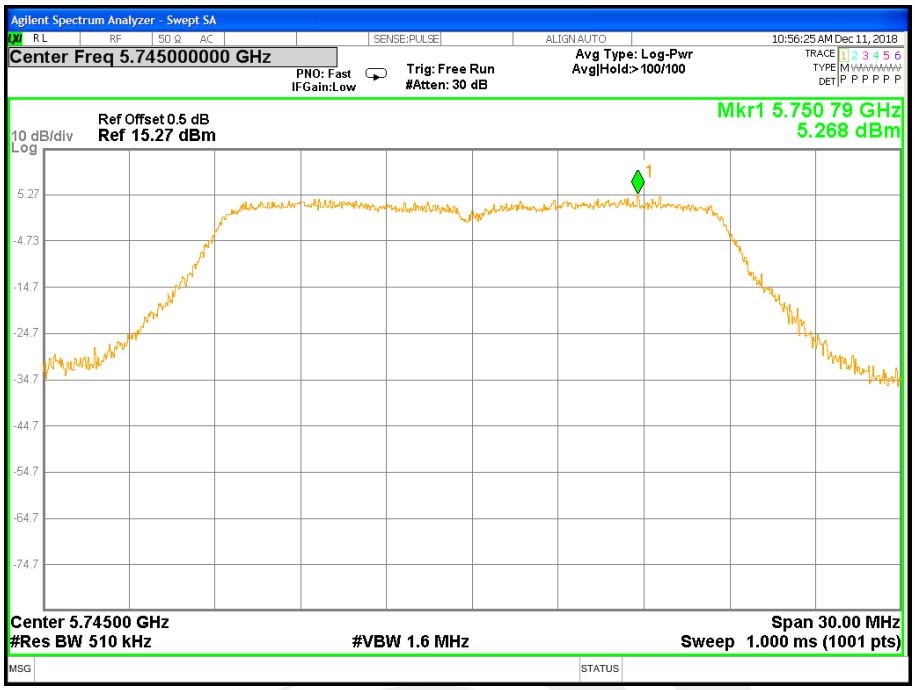


PSD 802.11n(HT40) Channel 159

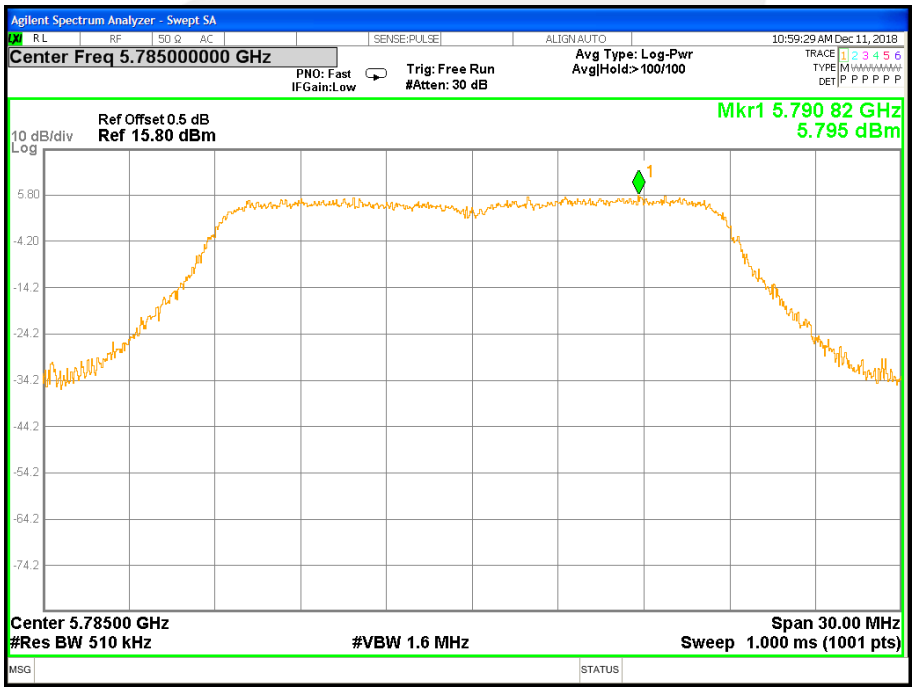


Band IV (5.725-5.850GHz)802.11ac(VHT20) Antenna A

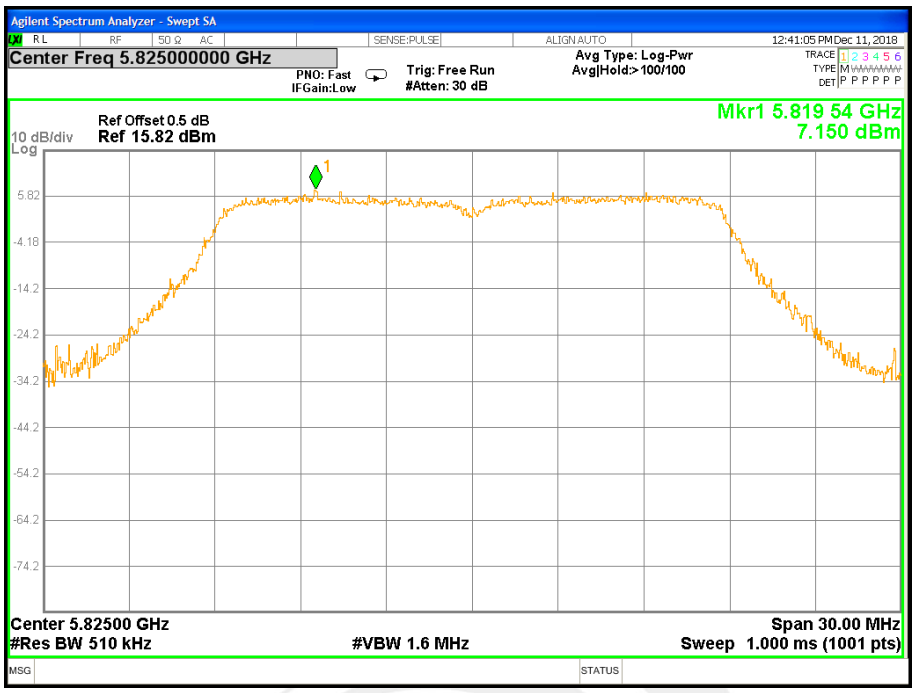
PSD 802.11ac(VHT20) Channel 149



PSD 802.11ac(VHT20) Channel 157

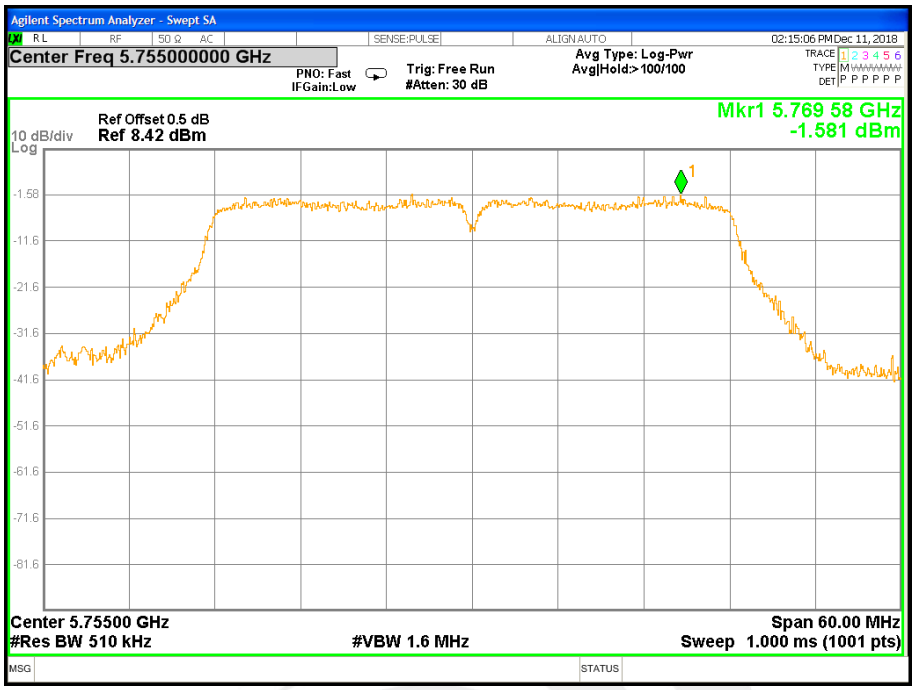


PSD 802.11ac(VHT20) Channel 165

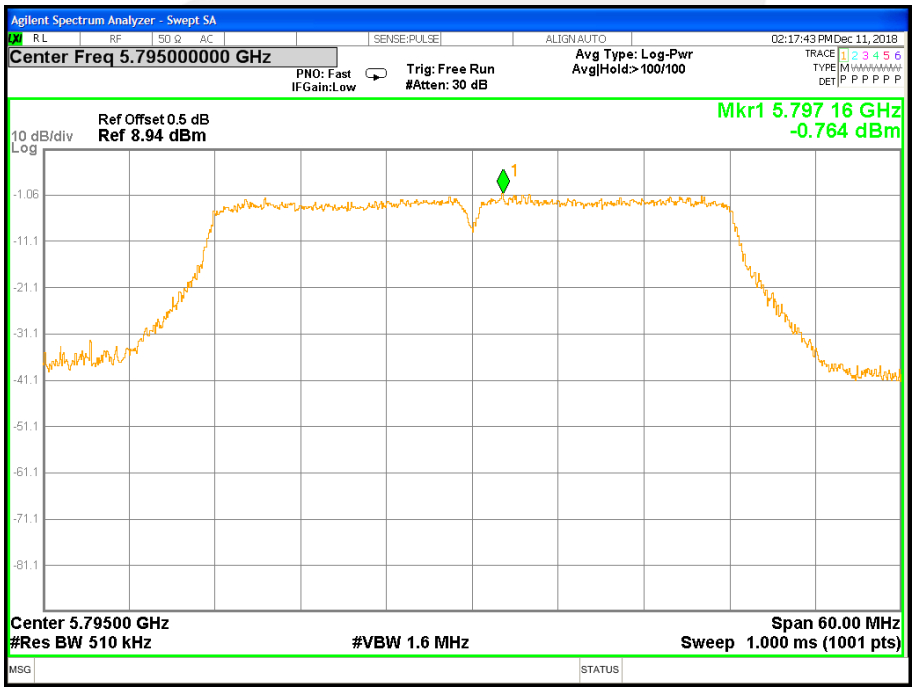


Band IV (5.725-5.850GHz)802.11ac(VHT40) Antenna A

PSD 802.11ac(VHT40) Channel 151



PSD 802.11ac(VHT40) Channel 159



Band IV (5.725-5.850GHz)802.11ac(VHT80) Antenna A

PSD 802.11ac(VHT80) Channel 155