Appendix E

RF Test Data for 5.8G WLAN (Conducted Measurement)

Product Name: Tablet PC
Trade Mark: Bright Life
Test Model: TL21

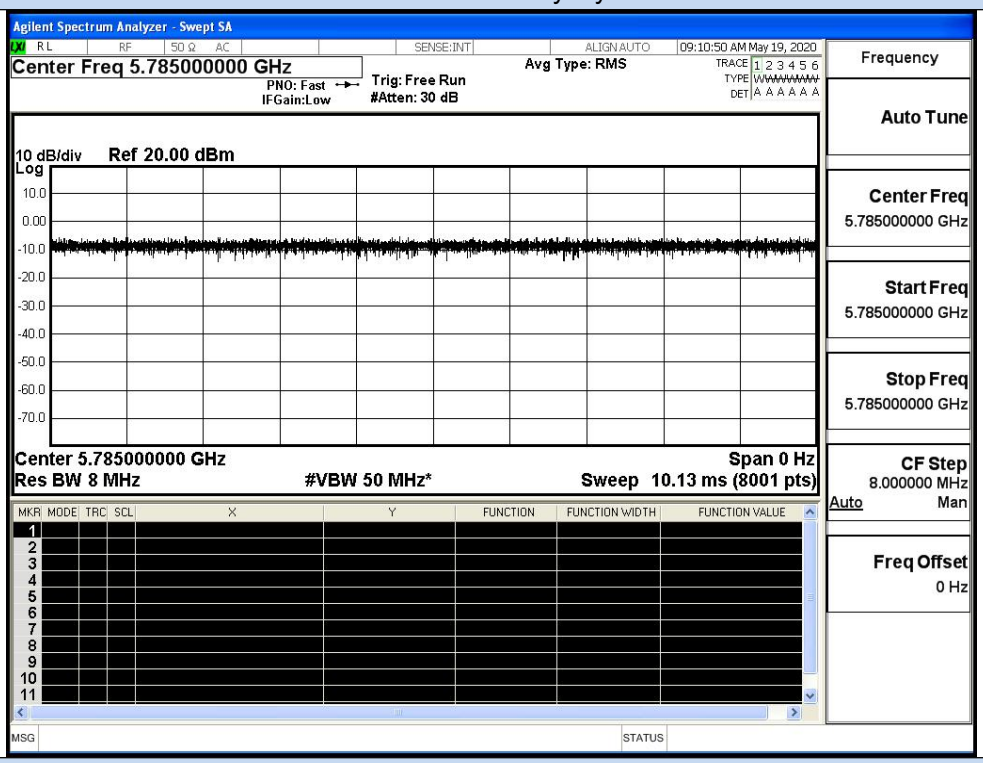
Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Tom.Liu

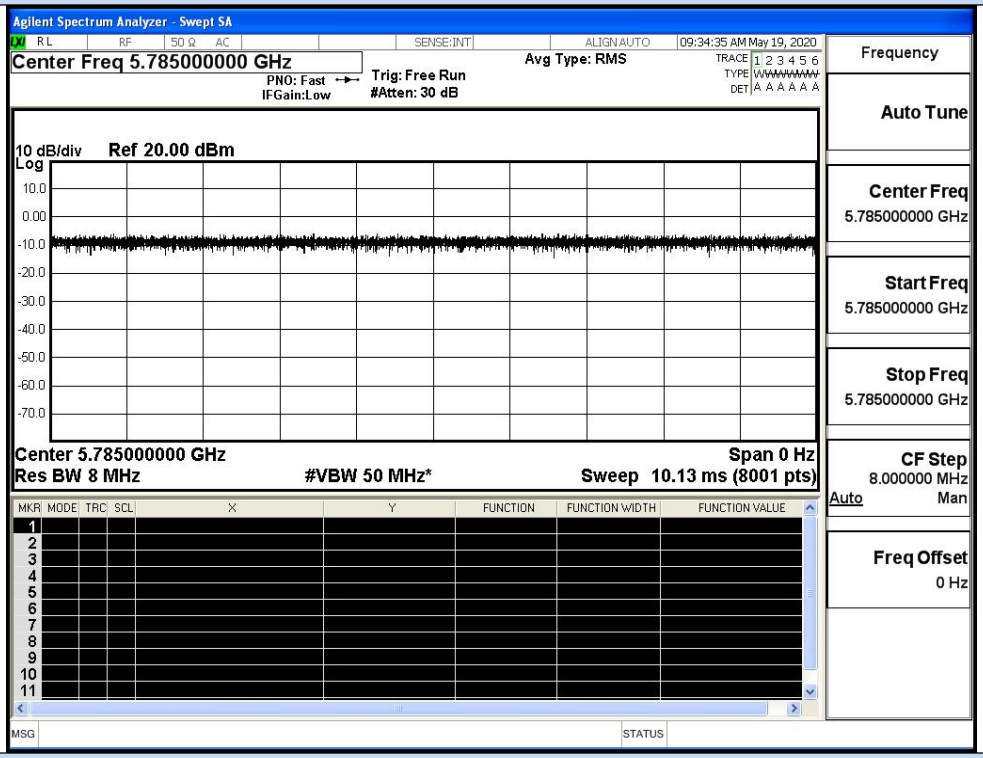
E.1 Duty Cycle

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11A	5785	100	0.00	0.01
11N20 SISO	5785	100	0.00	0.01
11N40 SISO	5755	100	0.00	0.01
11AC20 SISO	5785	100	0.00	0.01
11AC40 SISO	5755	100	0.00	0.01

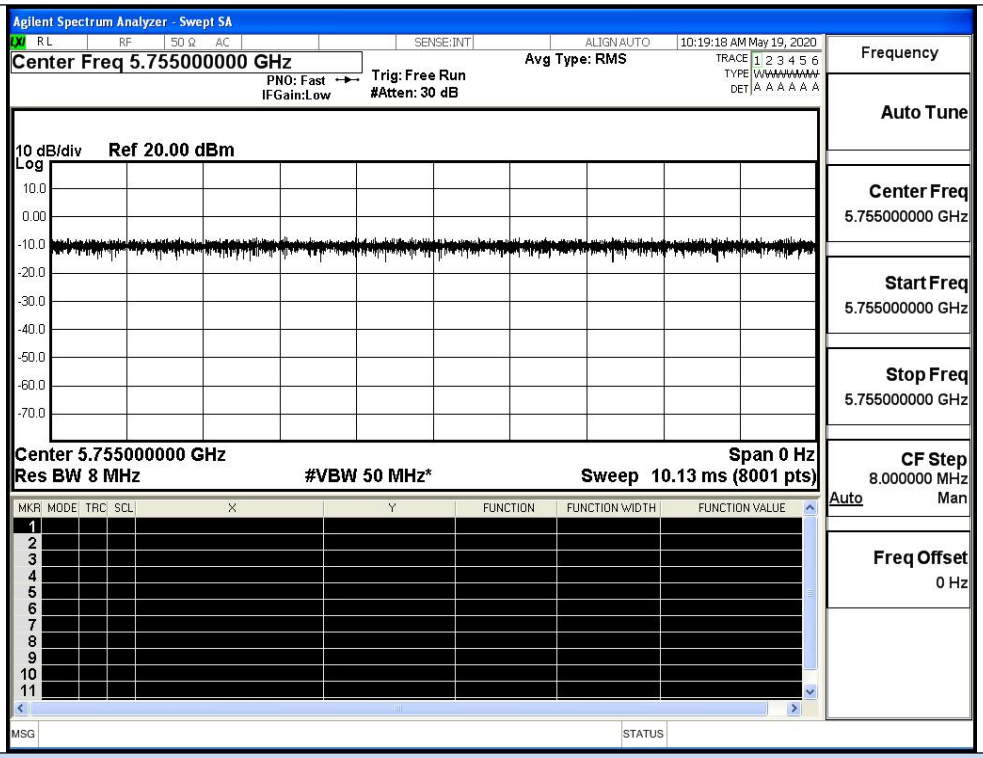
On Time and Duty Cycle



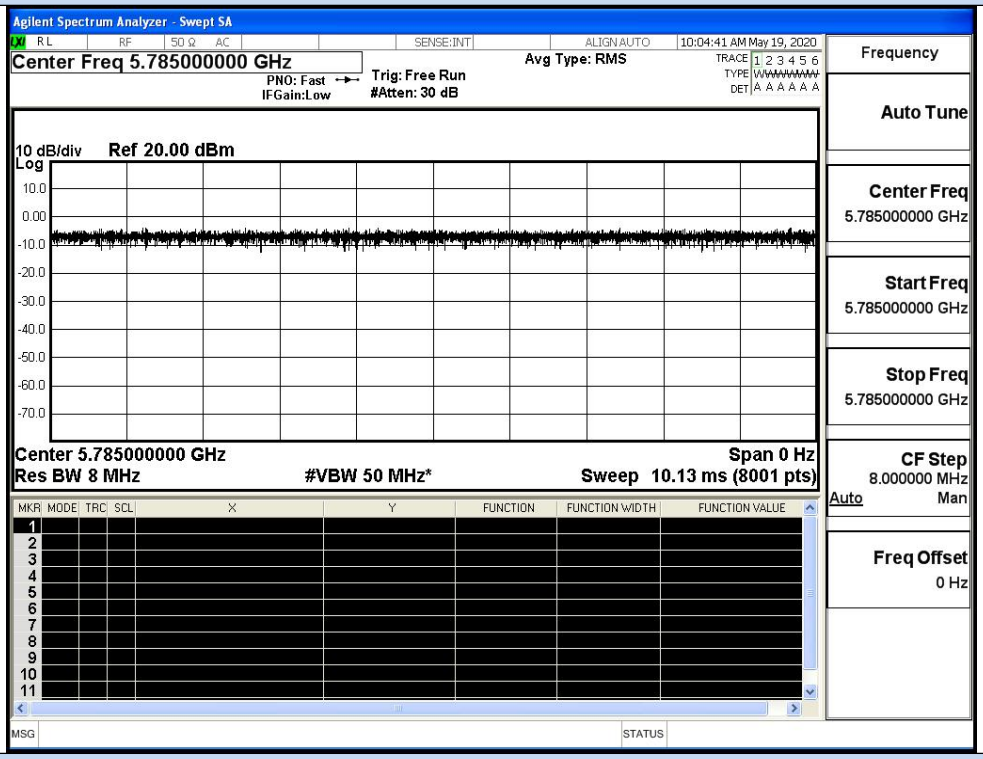
IEEE 802.11a



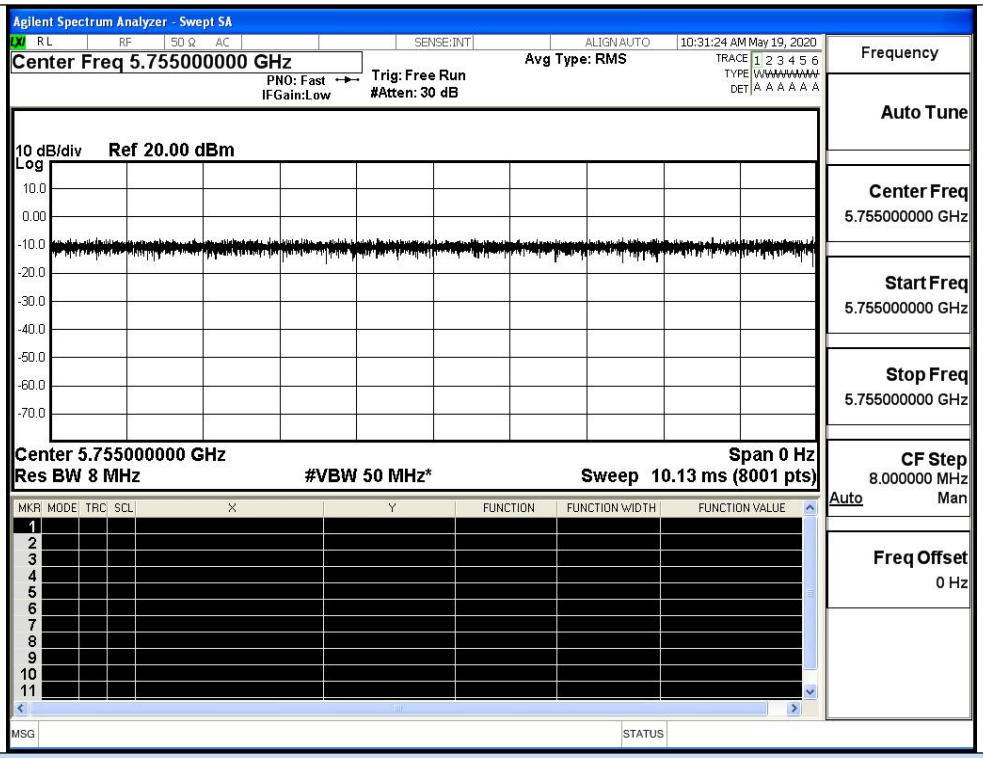
IEEE 802.11n HT20



IEEE 802.11n HT40



IEEE 802.11AC20

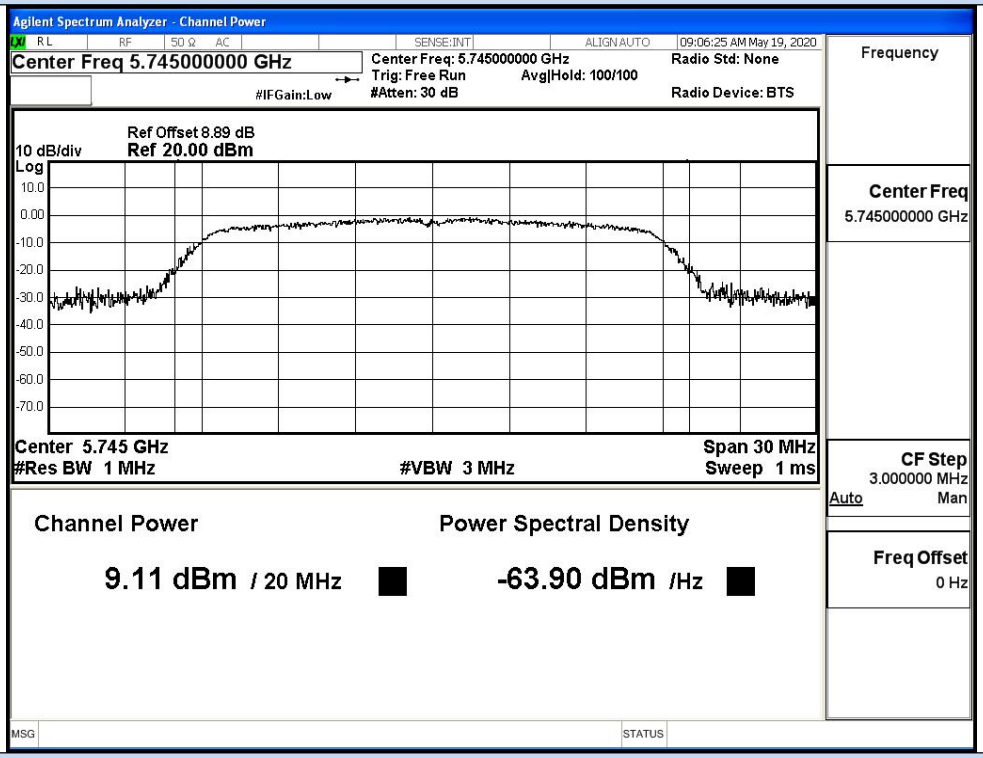


IEEE 802.11AC40

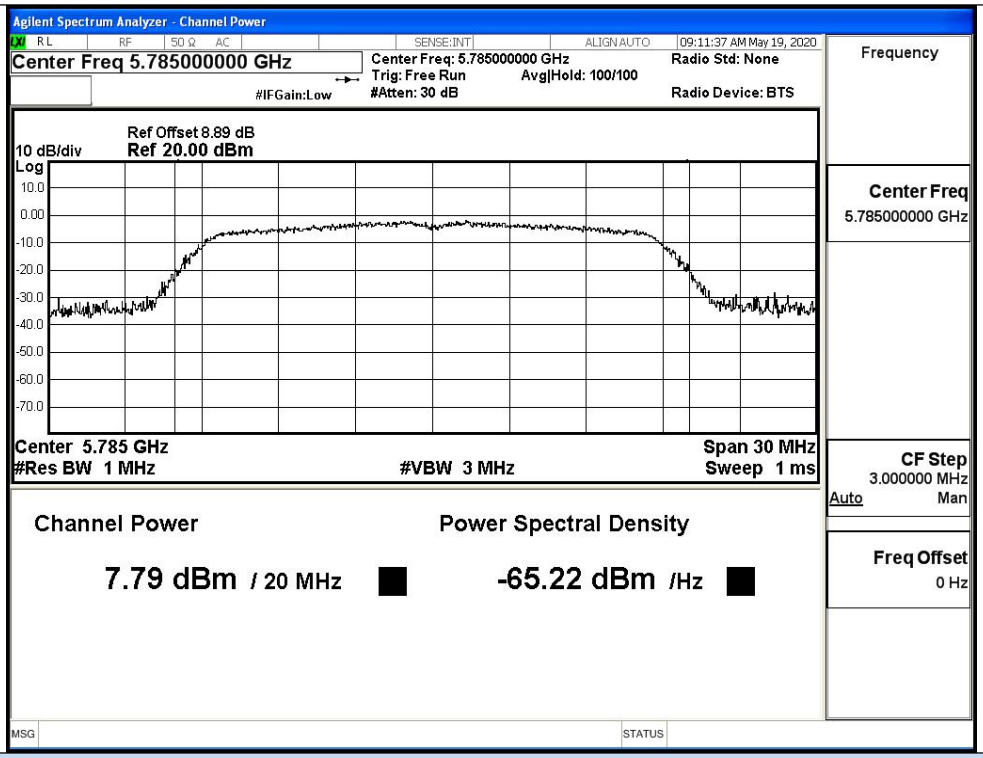
E.2 Maximum Conduct Output Power

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
11A	149	5745	9.11	0	9.11	30	Pass
	157	5785	7.79	0	7.79		Pass
	165	5825	7.87	0	7.87		Pass
11N20 SISO	149	5745	8.52	0	8.52	30	Pass
	157	5785	7.41	0	7.41		Pass
	165	5825	7.73	0	7.73		Pass
11N40 SISO	151	5755	**9.13**	0	9.13	30	Pass
	159	5795	9.12	0	9.12		Pass
11AC20 SISO	149	5745	8.27	0	8.27	30	Pass
	157	5785	8.92	0	8.92		Pass
	165	5825	9.05	0	9.05		Pass
11AC40 SISO	151	5755	8.78	0	8.78	30	Pass
	159	5795	8.85	0	8.85		Pass

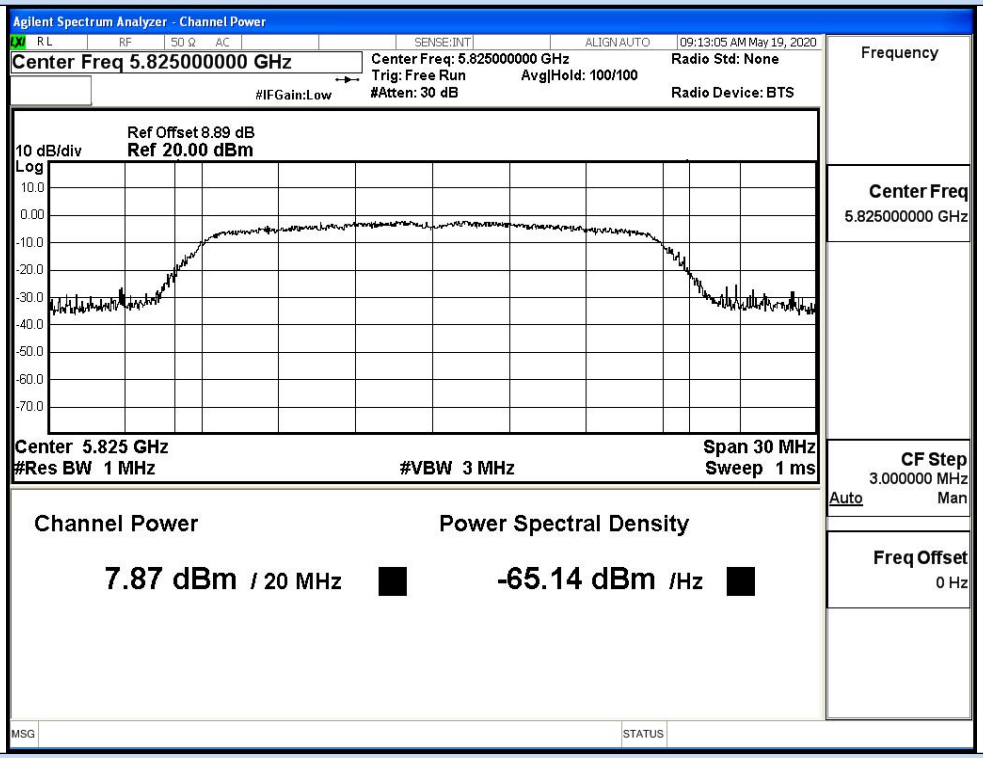
Maximum Conducted Output Power



IEEE 802.11a / Channel 149 / 5745MHz

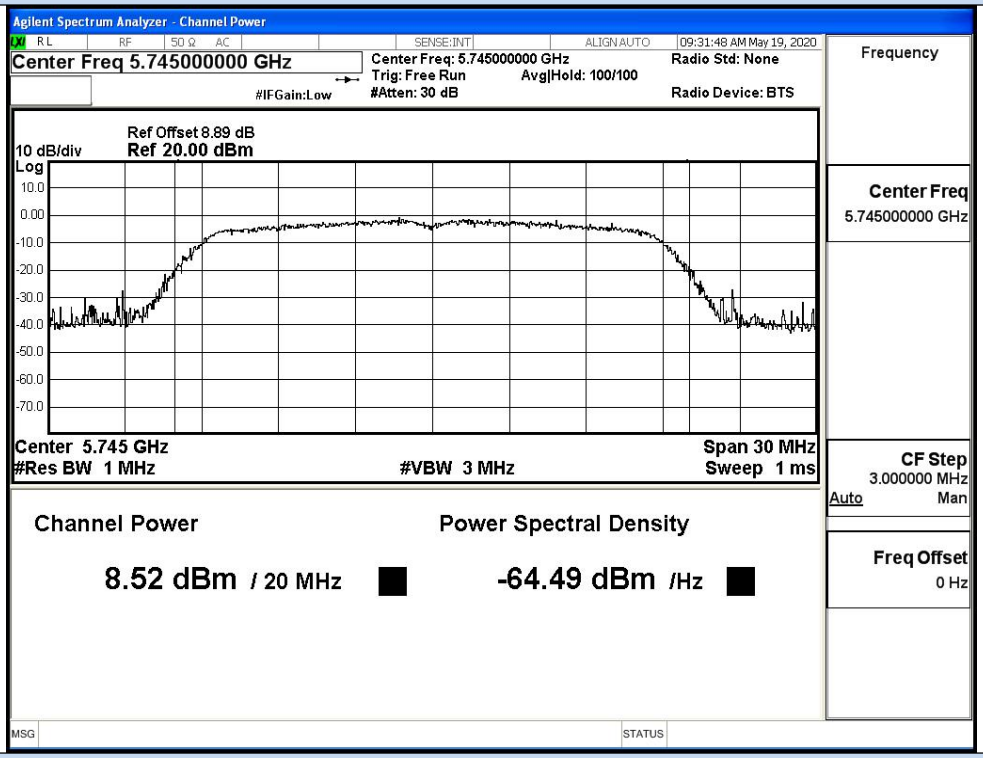


IEEE 802.11a / Channel 157 / 5785MHz

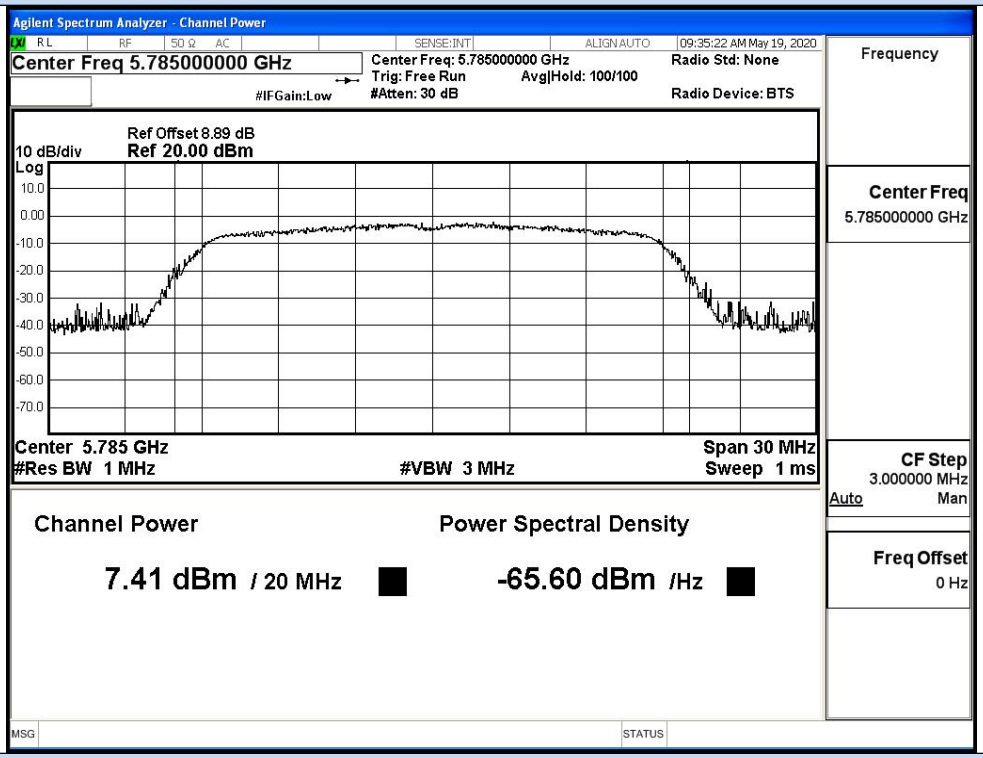


IEEE 802.11a / Channel 165 / 5825MHz

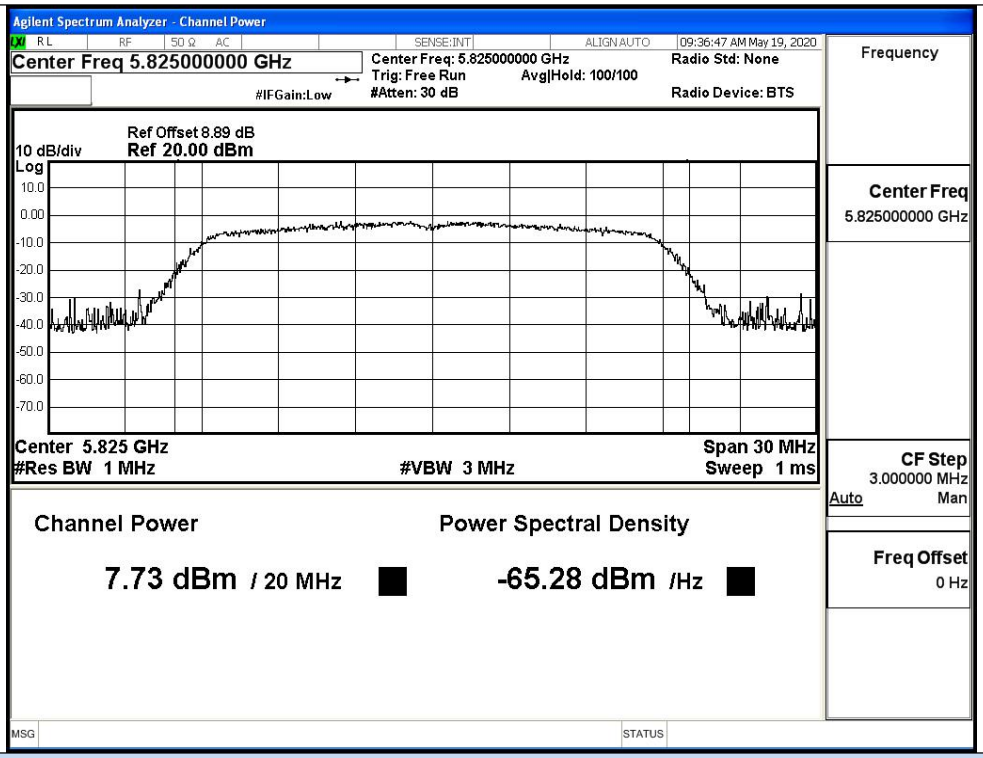
Maximum Conducted Output Power



IEEE 802.11n20 / Channel 149 / 5745MHz

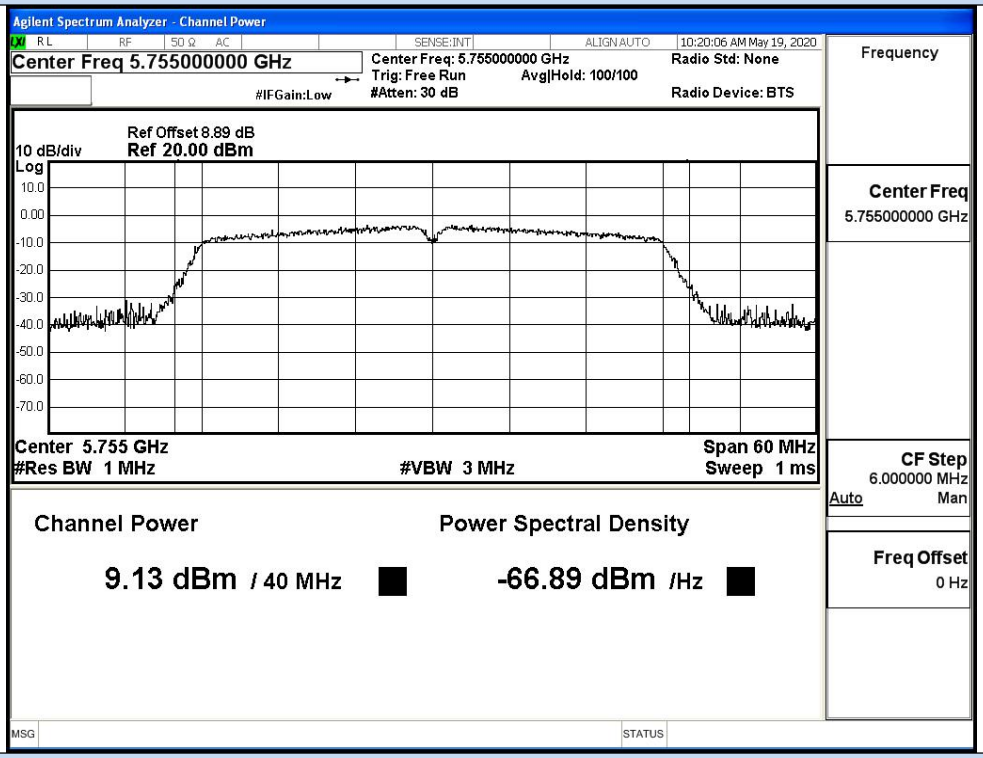


IEEE 802.11n20 / Channel 157 / 5785MHz

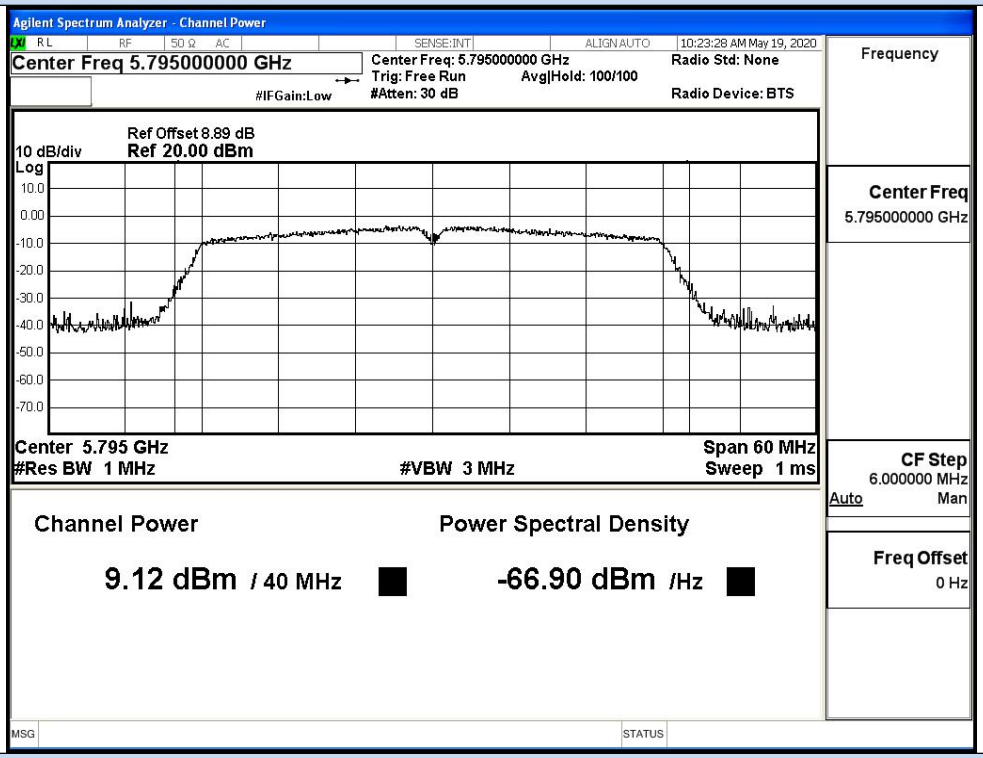


IEEE 802.11n20 / Channel 165 / 5825MHz

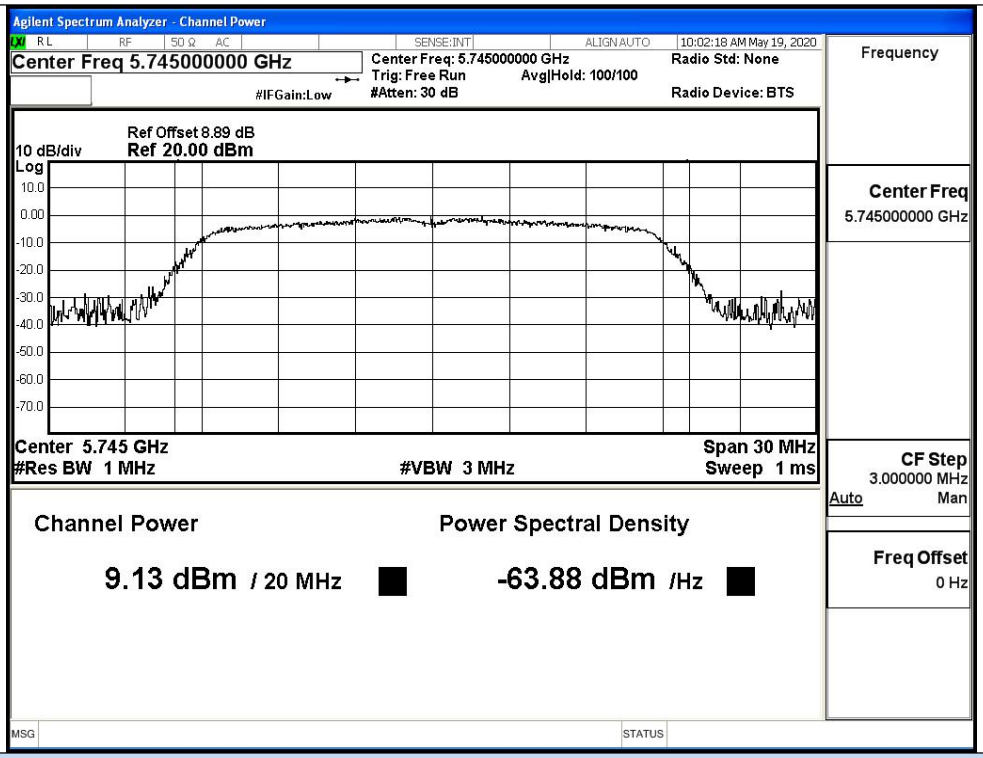
Maximum Conducted Output Power



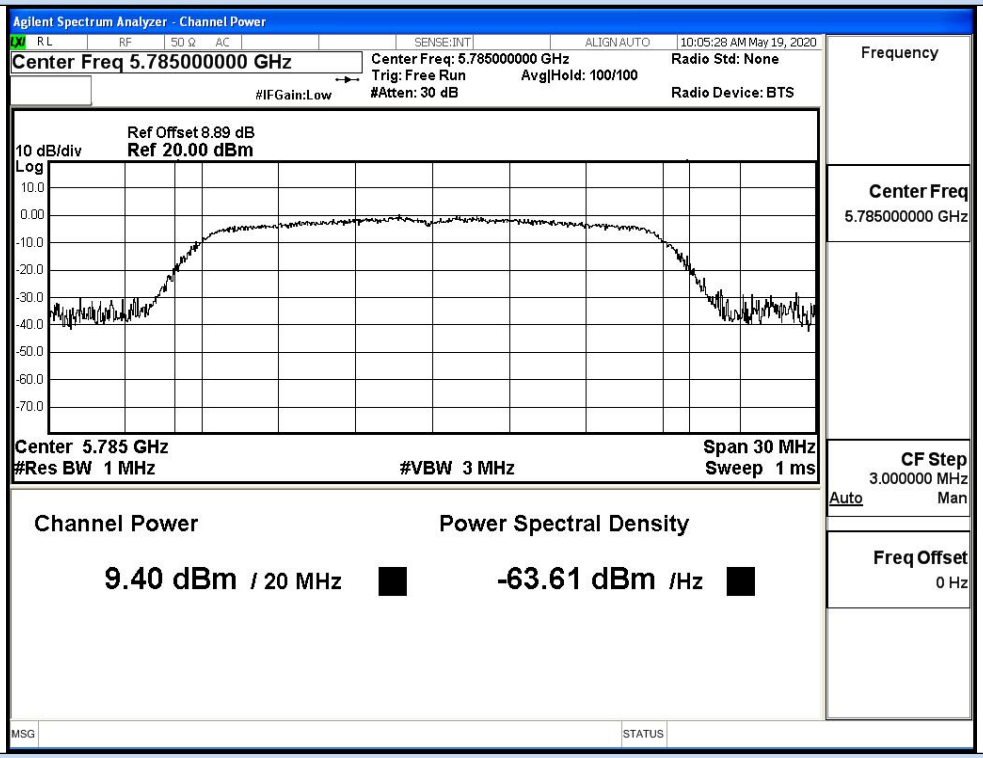
IEEE 802.11n40 / Channel 151 / 5755MHz



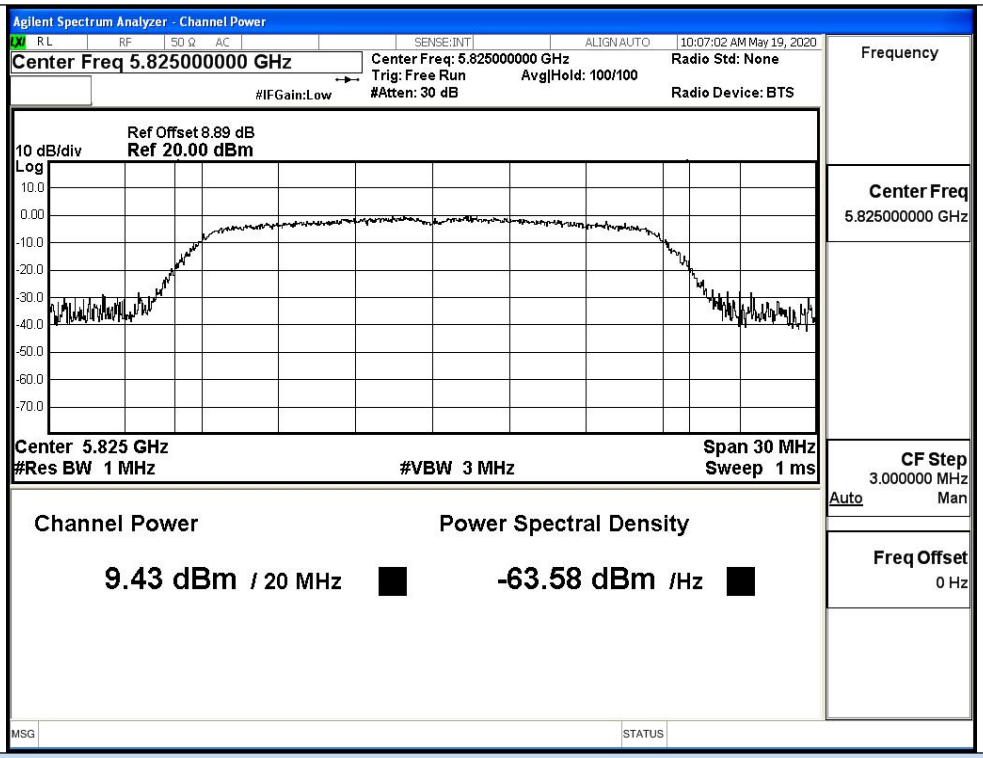
IEEE 802.11n40 / Channel 159 / 5795MHz



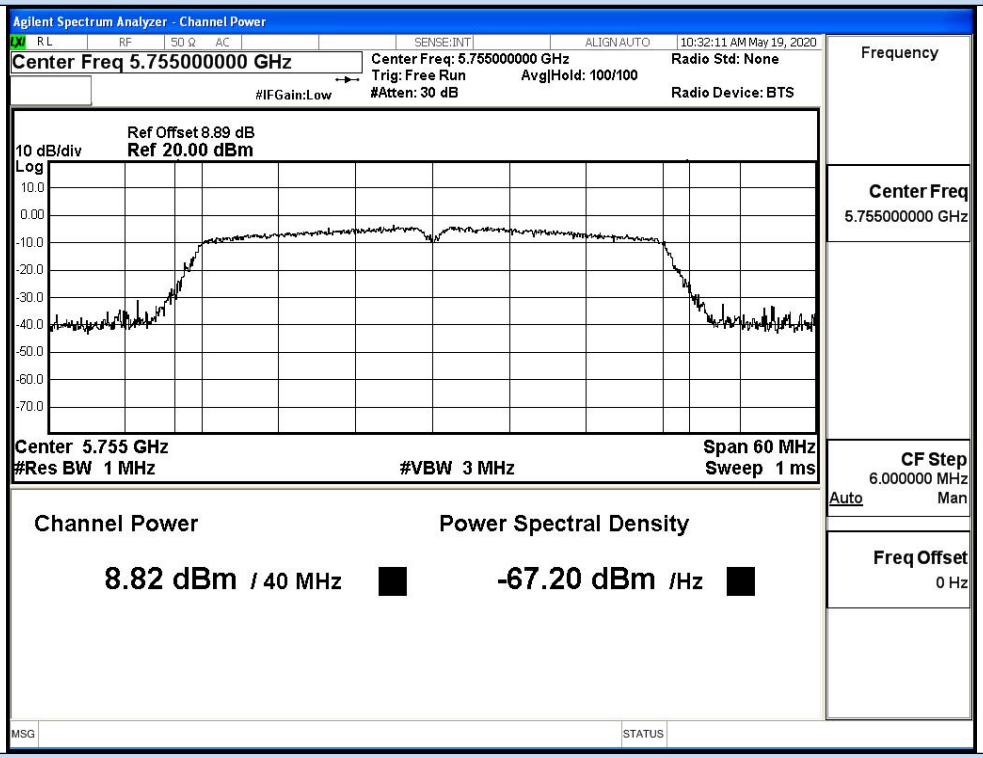
IEEE 802.11ac20 / Channel 149 / 5745MHz



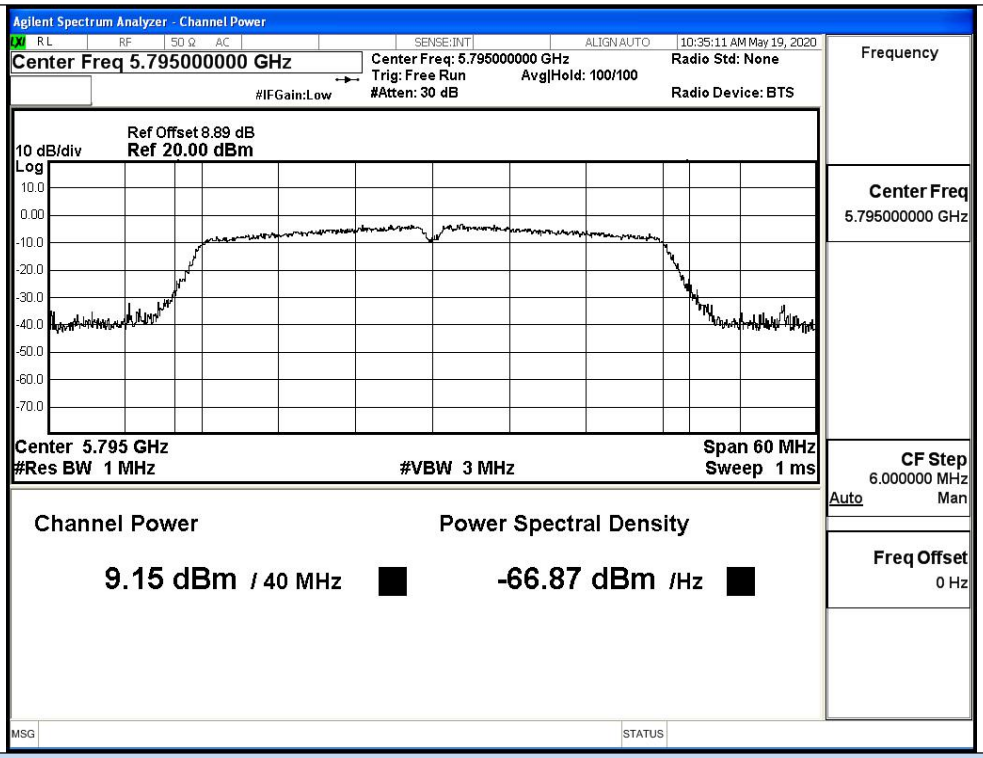
IEEE 802.11ac20 / Channel 157 / 5785MHz



IEEE 802.11ac20 / Channel 165/ 5825MHz



IEEE 802.11ac40 / Channel 151 / 5755MHz

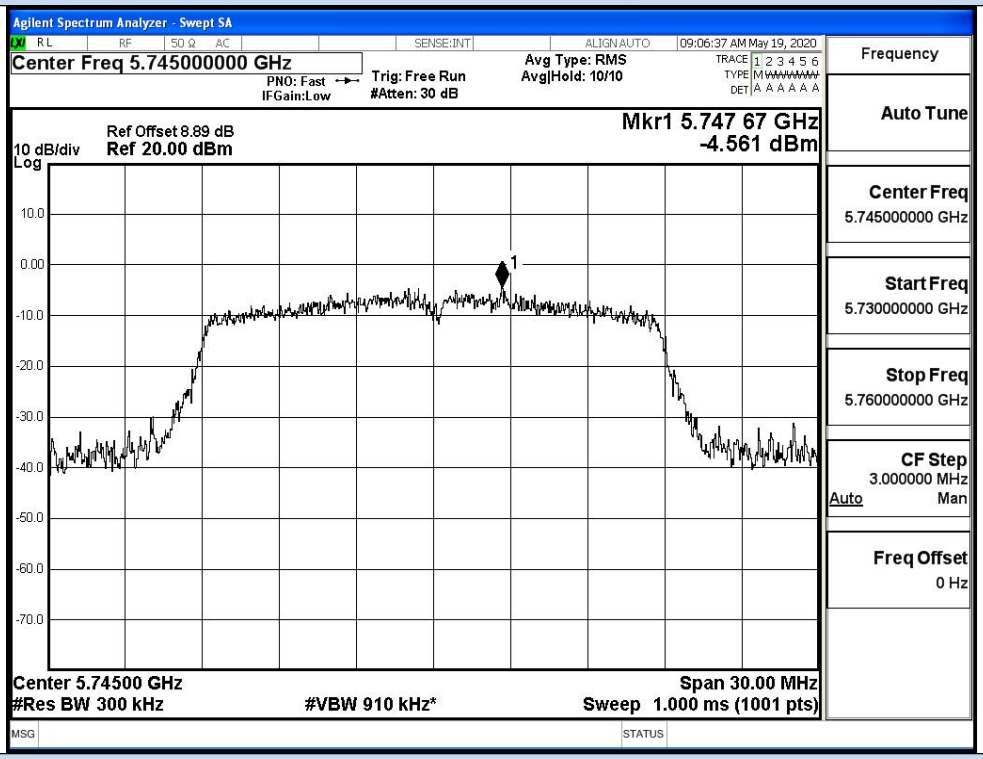


IEEE 802.11ac40 / Channel 159 / 5795MHz

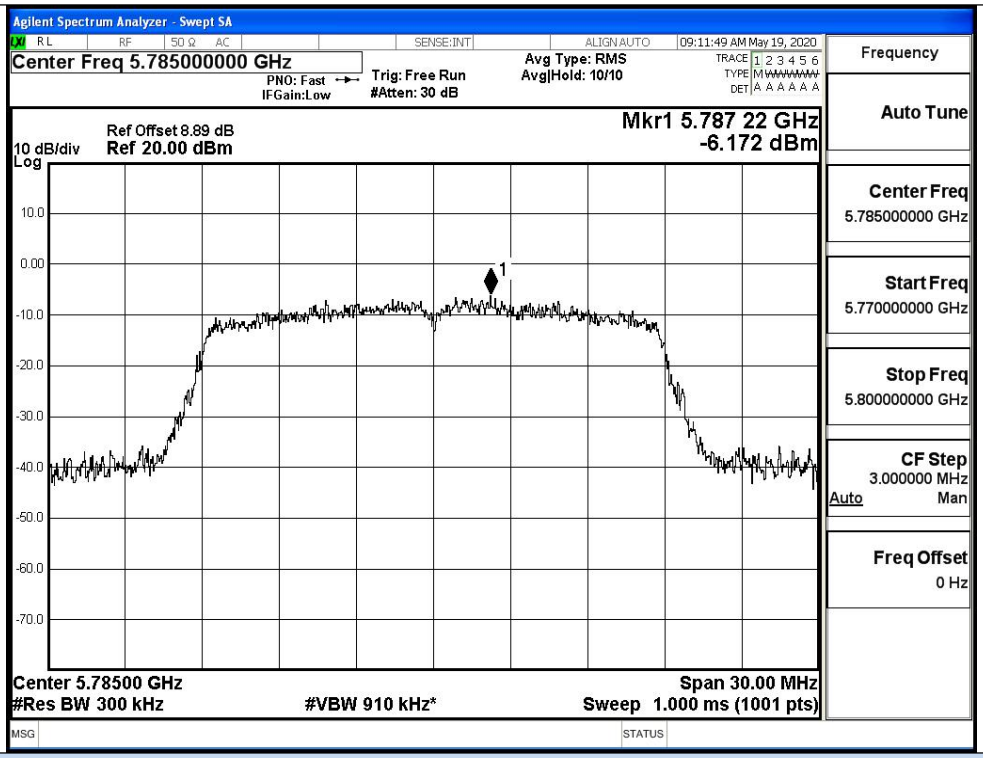
E.3 Power Spectral Density

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
11A	149	5745	-4.56	0	2.218	-2.34	30	Pass
	157	5785	-6.17	0	2.218	-3.95		Pass
	165	5825	-5.83	0	2.218	-3.61		Pass
11N20 SISO	149	5745	-5.31	0	2.218	-3.10	30	Pass
	157	5785	-6.33	0	2.218	-4.11		Pass
	165	5825	-6.13	0	2.218	-3.91		Pass
11N40 SISO	151	5755	-7.46	0	2.218	-5.24	30	Pass
	159	5795	-7.30	0	2.218	-5.08		Pass
11AC20 SISO	149	5745	-4.83	0	2.218	-2.61	30	Pass
	157	5785	-5.09	0	2.218	-2.87		Pass
	165	5825	-3.96	0	2.218	-1.74		Pass
11AC40 SISO	151	5755	-7.46	0	2.218	-5.24	30	Pass
	159	5795	-7.43	0	2.218	-5.21		Pass

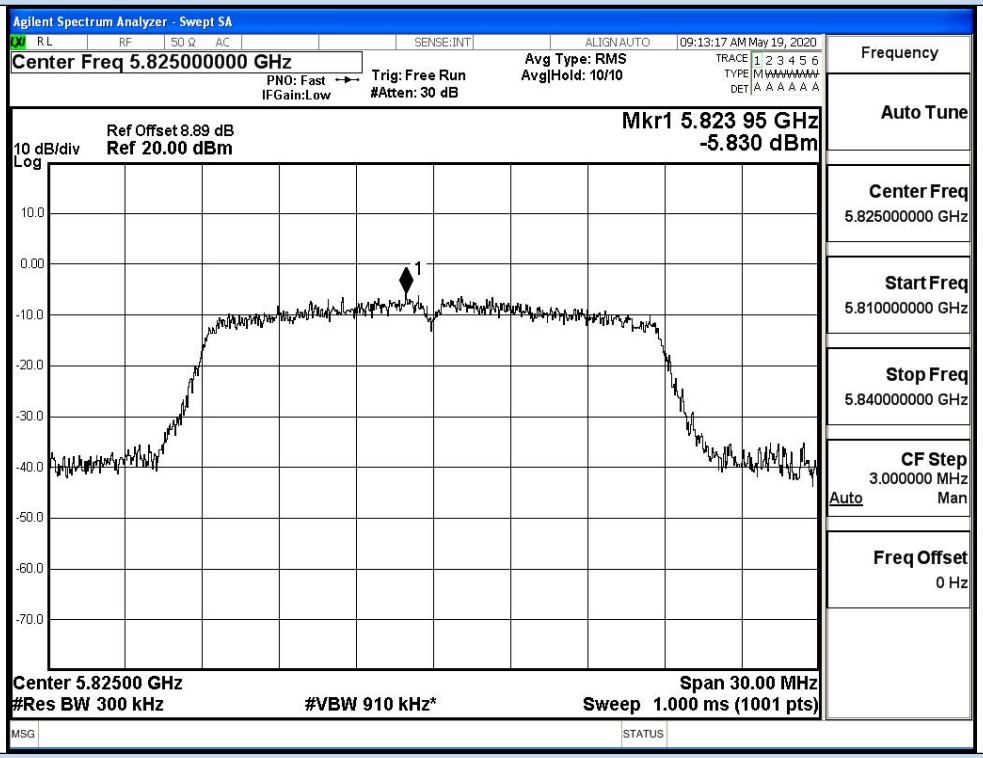
Power Spectral Density



IEEE 802.11a / Channel 149 / 5745MHz



IEEE 802.11na / Channel 157 / 5785MHz



IEEE 802.11na / Channel 165 / 5825MHz