# Appendix E

# **RF Test Data for 5.8G WLAN (Conducted Measurement)**

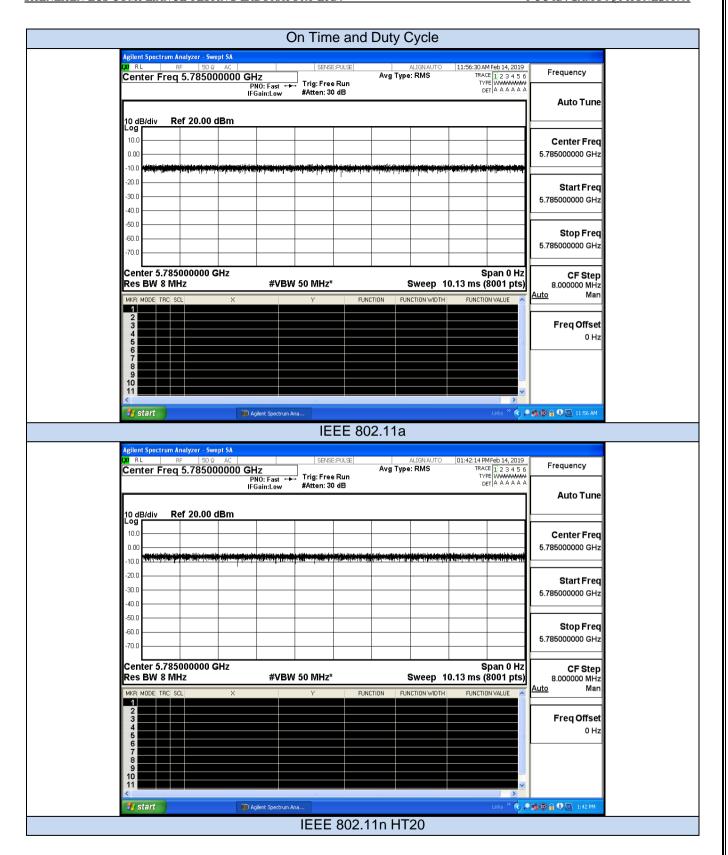
Product Name: 3-D VR Smartphone Trade Mark: Q PHONE Test Model: Qphone2019\_A

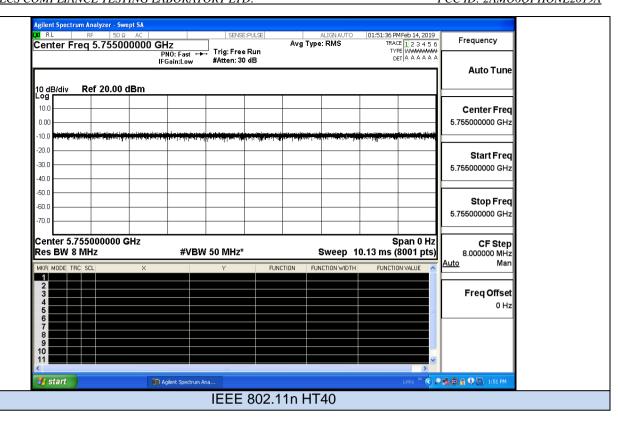
### **Environmental Conditions**

Temperature:	22.8 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

## **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



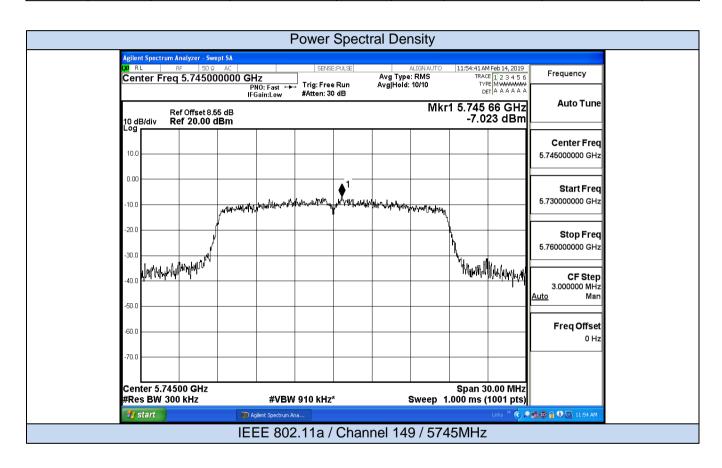


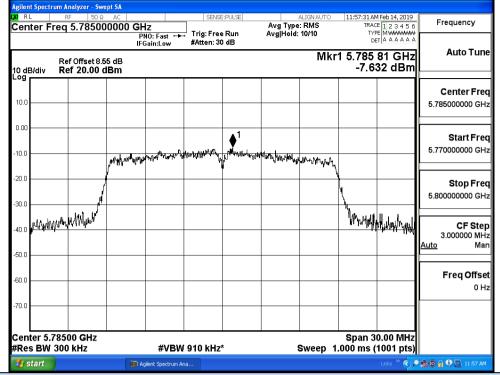
# **E.2 Maximum Conduct Output Power**

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor(dB)	Report Conducted Power(dBm)	Limit (dBm)	Verdict
	149	5745	7.33	0	7.33		Pass
11A	157	5785	6.18	0	6.18	30	Pass
	165	5825	8.13	0	8.13	1	Pass
11N20	149	5745	10.61	0	10.61		Pass
SISO	157	5785	9.64	0	9.64	30	Pass
3130	165	5825	8.81	0	8.81	1	Pass
11N40	151	5755	10.4	0	10.4	30	Pass
SISO	159	5795	9.27	0	9.27	30	Pass

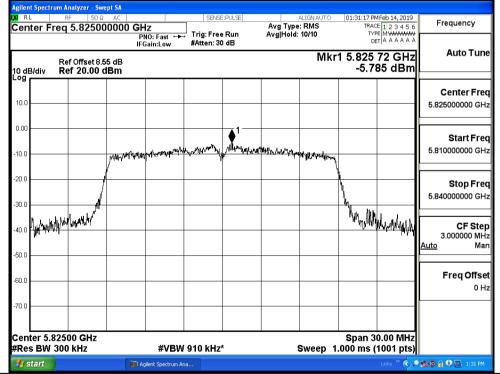
### **E.3 Power Spectral Density**

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
	149	5745	-7.02	0	2.218	-4.81	30	Pass
11A	157	5785	-7.63	0	2.218	-5.41		Pass
	165	5825	-5.79	0	2.218	-3.57		Pass
111100	149	5745	-2.99	0	2.218	-0.77		Pass
11N20 SISO	157	5785	-4.18	0	2.218	-1.96	30	Pass
3130	165	5825	-4.97	0	2.218	-2.75		Pass
11N40	151	5755	-6.75	0	2.218	-4.53	- 30	Pass
SISO	159	5795	-8.42	0	2.218	-6.20		Pass

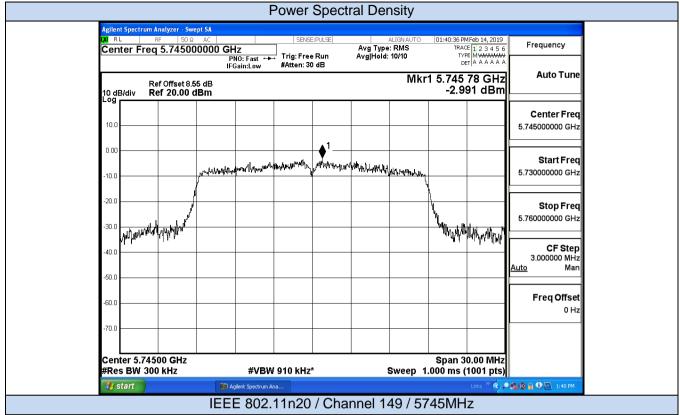


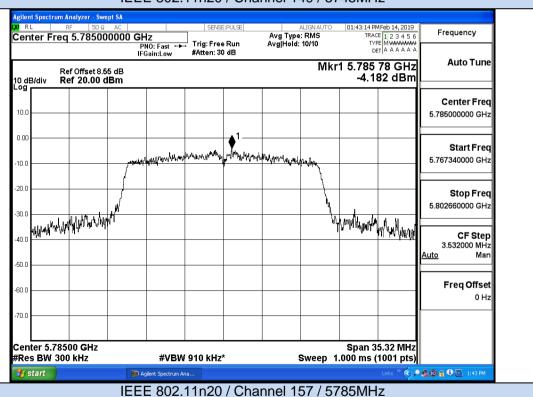


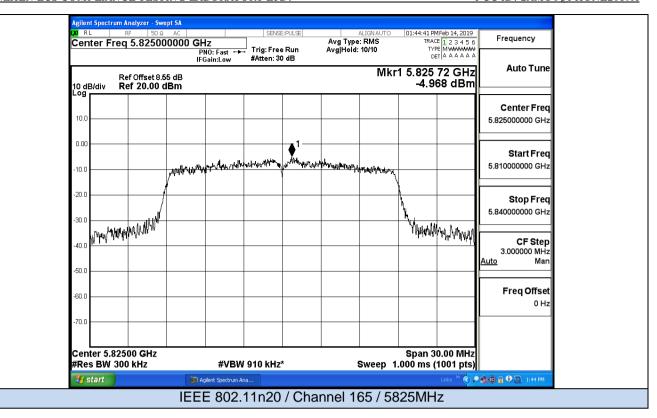
#### IEEE 802.11a / Channel 157 / 5785MHz

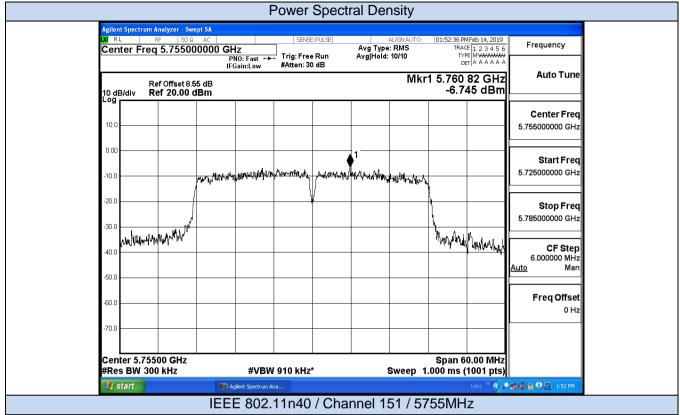


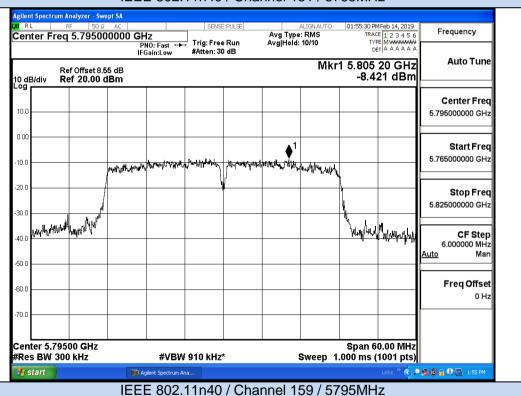
IEEE 802.11a / Channel 165 / 5825MHz





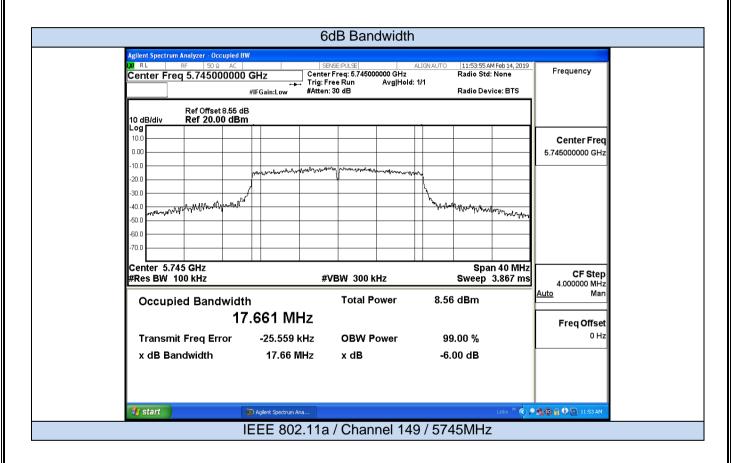


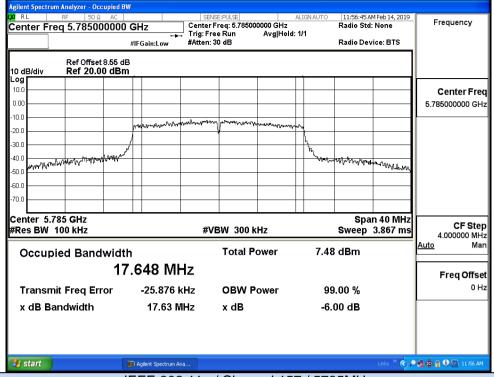




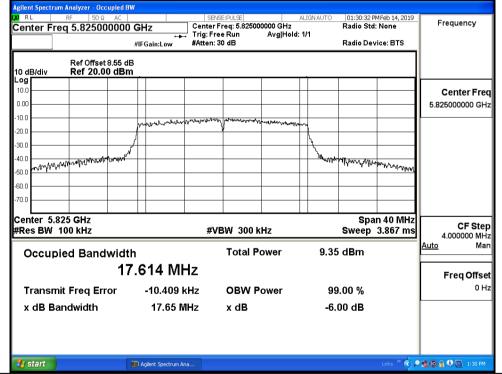
#### **E.4 Emission Bandwidth**

Test Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
	149	5745	17.66		Pass
11A	157	5785	17.63	>=0.5	Pass
	165	5825	17.65		Pass
11N20	149	5745	17.59		Pass
SISO	157	5785	17.66	>=0.5	Pass
	165	5825	17.63		Pass
11N40	151	5755	36.40	>=0.5	Pass
SISO	159	5795	36.40	>=0.5	Pass

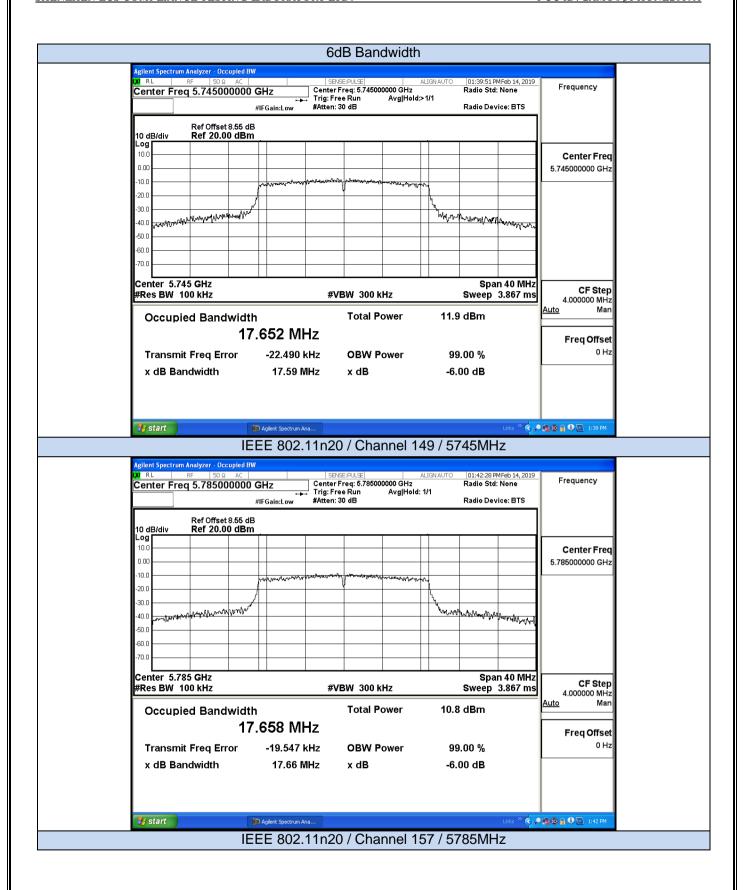




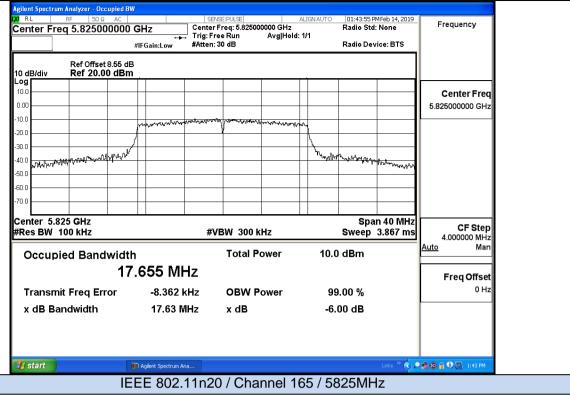
#### IEEE 802.11a / Channel 157 / 5785MHz

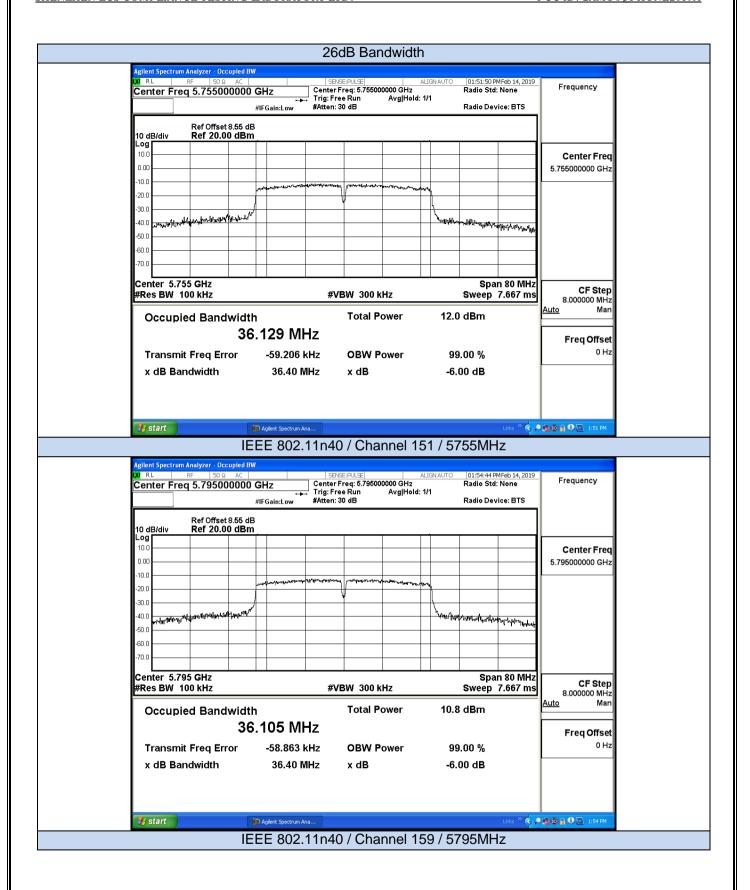


IEEE 802.11a / Channel 165 / 5825MHz



#### FCC ID: 2AMO6QPHONE2019A

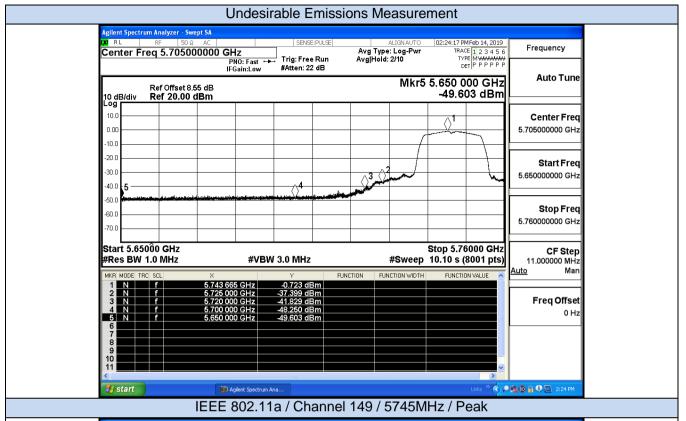


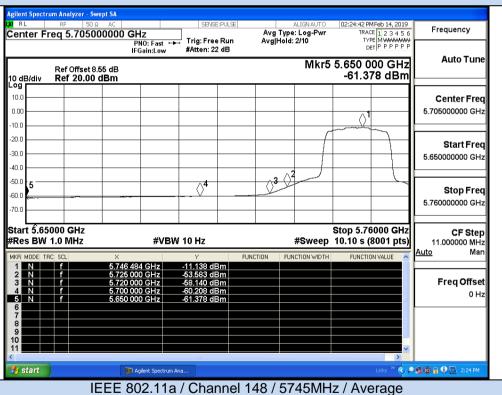


# **E.5 Undesirable Emissions Measurement**

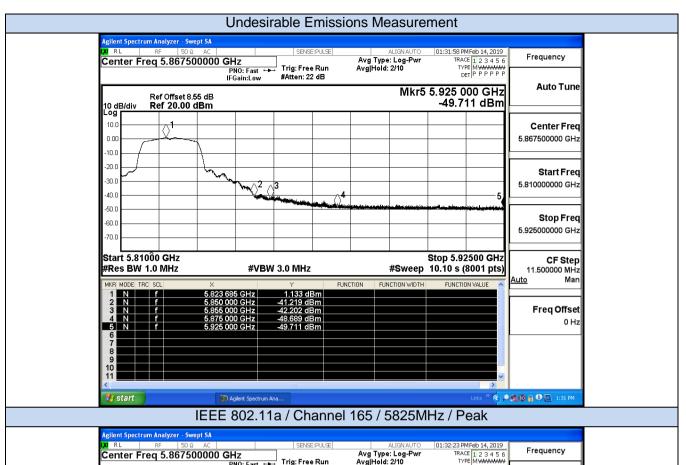
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
		5650.0	-49.60	2.00	-47.60	Peak	-27.0	Pass
		5650.0	-61.38	2.00	-59.38	Average	-27.0	Pass
		5700.0	-48.25	2.00	-46.25	Peak	10	Pass
	149	5700.0	-60.21	2.00	-58.21	Average	10	Pass
	149	5720.0	-41.83	2.00	-39.83	Peak	15.6	Pass
		5720.0	-58.14	2.00	-56.14	Average	15.6	Pass
		5725.0	-37.40	2.00	-35.40	Peak	27.0	Pass
11A		5725.0	-53.58	2.00	-51.58	Average	27.0	Pass
HA		5850.0	-41.22	2.00	-39.22	Peak	27.0	Pass
		5850.0	-55.62	2.00	-53.62	Average	27.0	Pass
		5855.0	-42.20	2.00	-40.20	Peak	15.6	Pass
	165	5855.0	-57.73	2.00	-55.73	Average	15.6	Pass
		5875.0	-48.69	2.00	-46.69	Peak	10	Pass
		5875.0	-60.26	2.00	-58.26	Average	10	Pass
		5925.0	-49.71	2.00	-47.71	Peak	-27.0	Pass
		5925.0	-61.43	2.00	-59.43	Average	-27.0	Pass
		5650.0	-49.53	2.00	-47.53	Peak	-27.0	Pass
		5650.0	-61.40	2.00	-59.40	Average	-27.0	Pass
		5700.0	-48.24	2.00	-46.24	Peak	10	Pass
	149	5700.0	-58.39	2.00	-56.39	Average	10	Pass
	143	5720.0	-42.85	2.00	-40.85	Peak	15.6	Pass
		5720.0	-60.17	2.00	-58.17	Average	15.6	Pass
		5725.0	-37.63	2.00	-35.63	Peak	27.0	Pass
11N20		5725.0	-53.80	2.00	-51.80	Average	27.0	Pass
SISO		5850.0	-37.36	2.00	-35.36	Peak	27.0	Pass
		5850.0	-53.07	2.00	-51.07	Average	27.0	Pass
		5855.0	-38.79	2.00	-36.79	Peak	15.6	Pass
	165	5855.0	-55.76	2.00	-53.76	Average	15.6	Pass
	100	5875.0	-46.01	2.00	-44.01	Peak	10	Pass
		5875.0	-59.35	2.00	-57.35	Average	10	Pass
		5925.0	-49.70	2.00	-47.70	Peak	-27.0	Pass
		5925.0	-61.28	2.00	-59.28	Average	-27.0	Pass

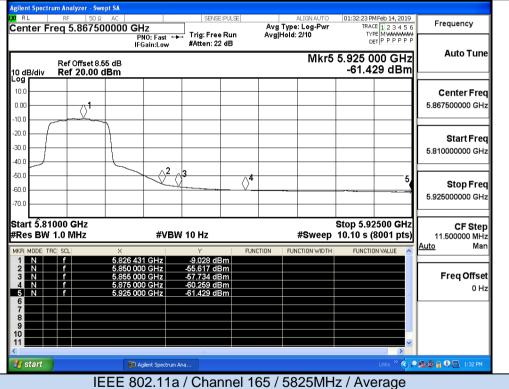
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)	Verdict
		5650.0	-49.28	2.00	-47.28	Peak	-27.0	Pass
		5650.0	-61.48	2.00	-59.48	Average	-27.0	Pass
		5700.0	-46.88	2.00	-44.88	Peak	10	Pass
	151	5700.0	-59.31	2.00	-57.31	Average	10	Pass
	151	5720.0	-35.07	2.00	-33.07	Peak	15.6	Pass
		5720.0	-51.49	2.00	-49.49	Average	15.6	Pass
		5725.0	-37.13	2.00	-35.13	Peak	27.0	Pass
11N40		5725.0	-49.20	2.00	-47.20	Average	27.0	Pass
SISO		5850.0	-41.19	2.00	-39.19	Peak	27.0	Pass
		5850.0	-54.54	2.00	-52.54	Average	27.0	Pass
	159	5855.0	-42.53	2.00	-40.53	Peak	15.6	Pass
		5855.0	-55.56	2.00	-53.56	Average	15.6	Pass
		5875.0	-46.05	2.00	-44.05	Peak	10	Pass
		5875.0	-58.51	2.00	-56.51	Average	10	Pass
		5925.0	-50.26	2.00	-48.26	Peak	-27.0	Pass
		5925.0	-61.20	2.00	-59.20	Average	-27.0	Pass

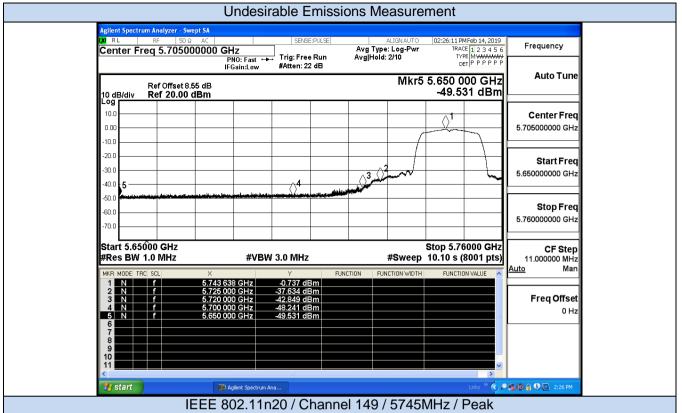


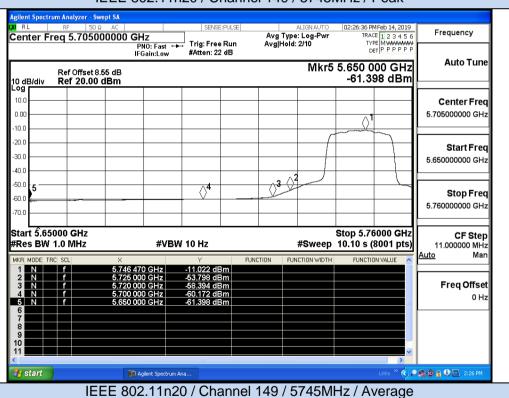


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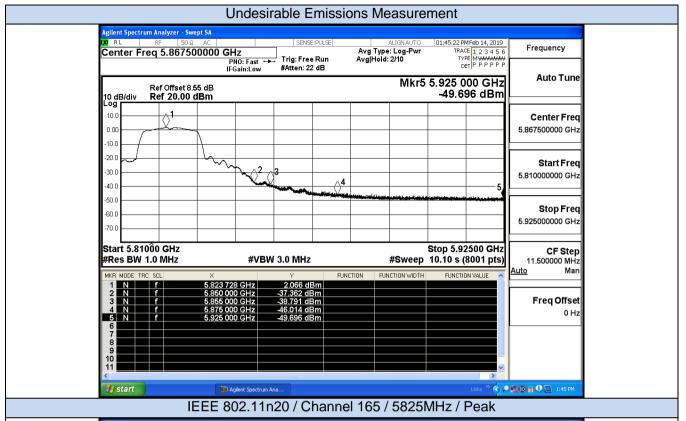


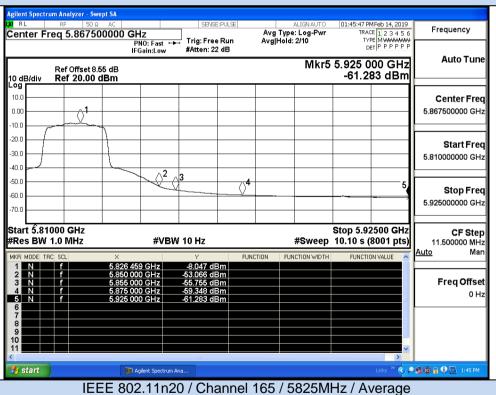


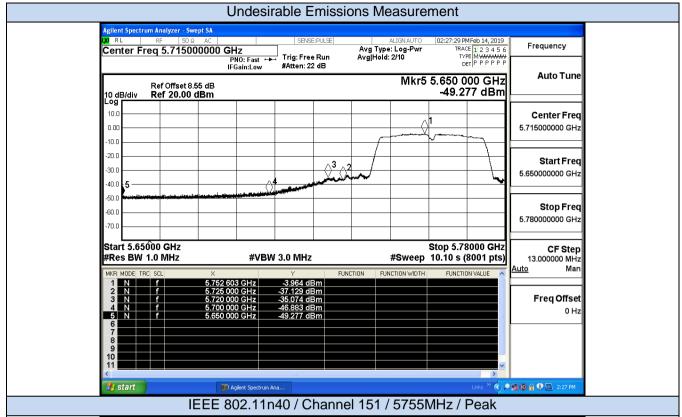


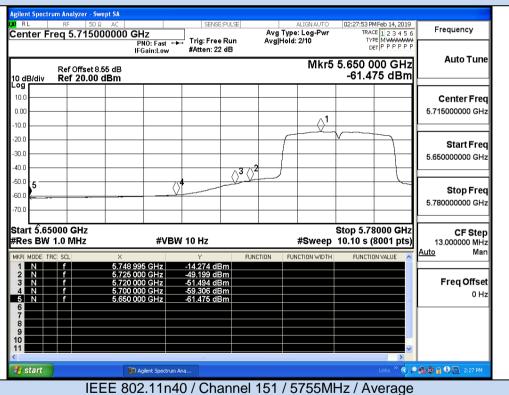


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