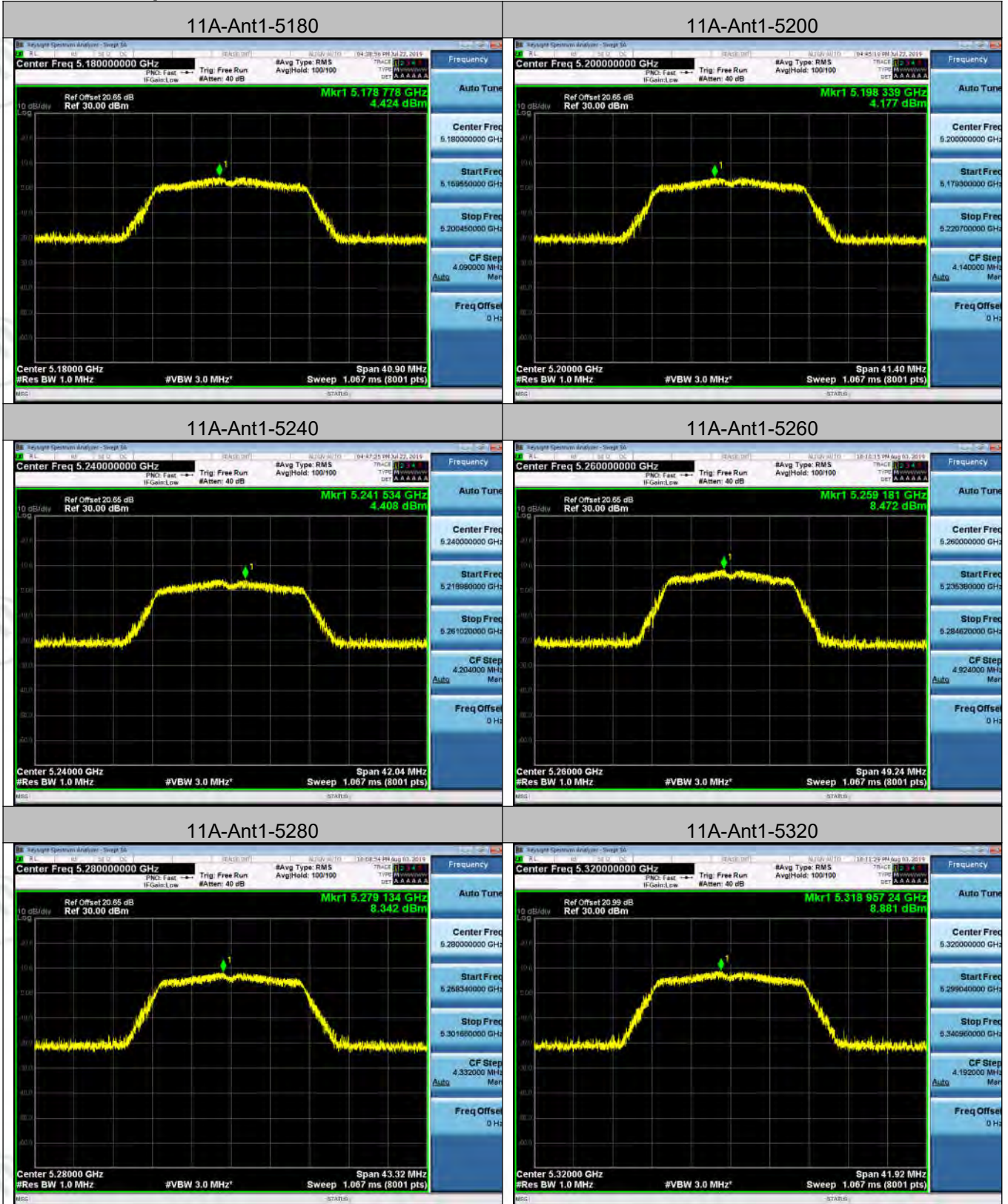
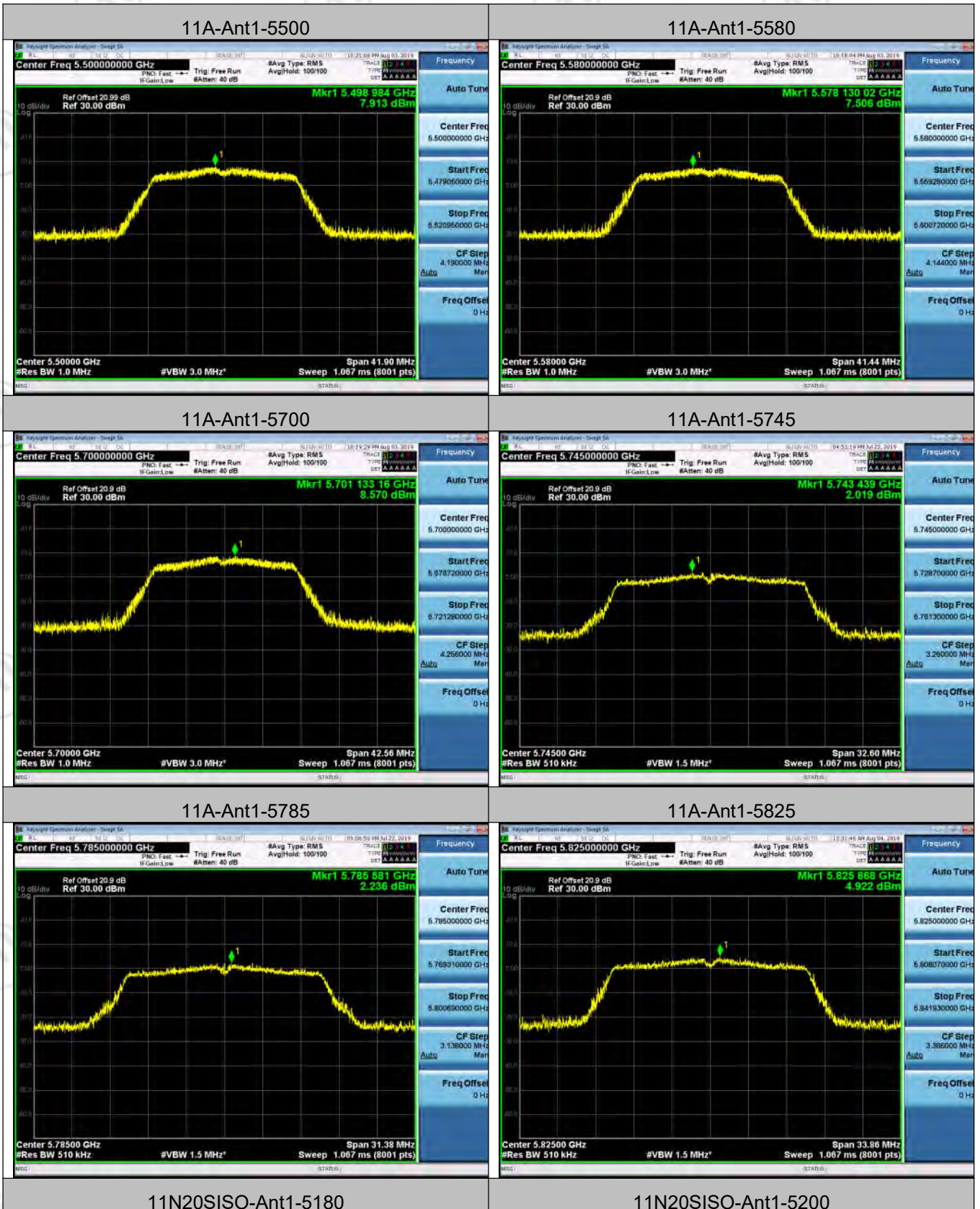
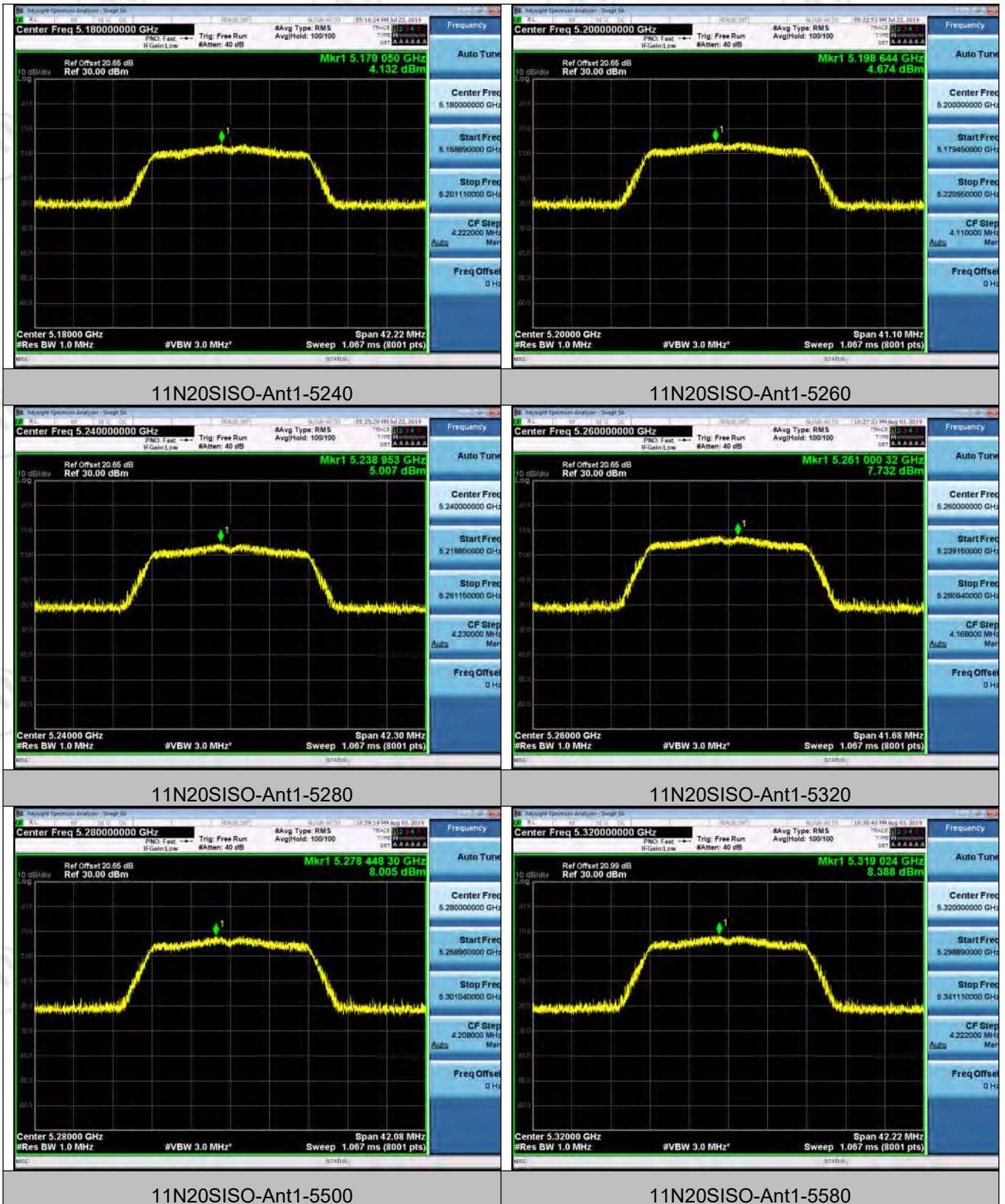
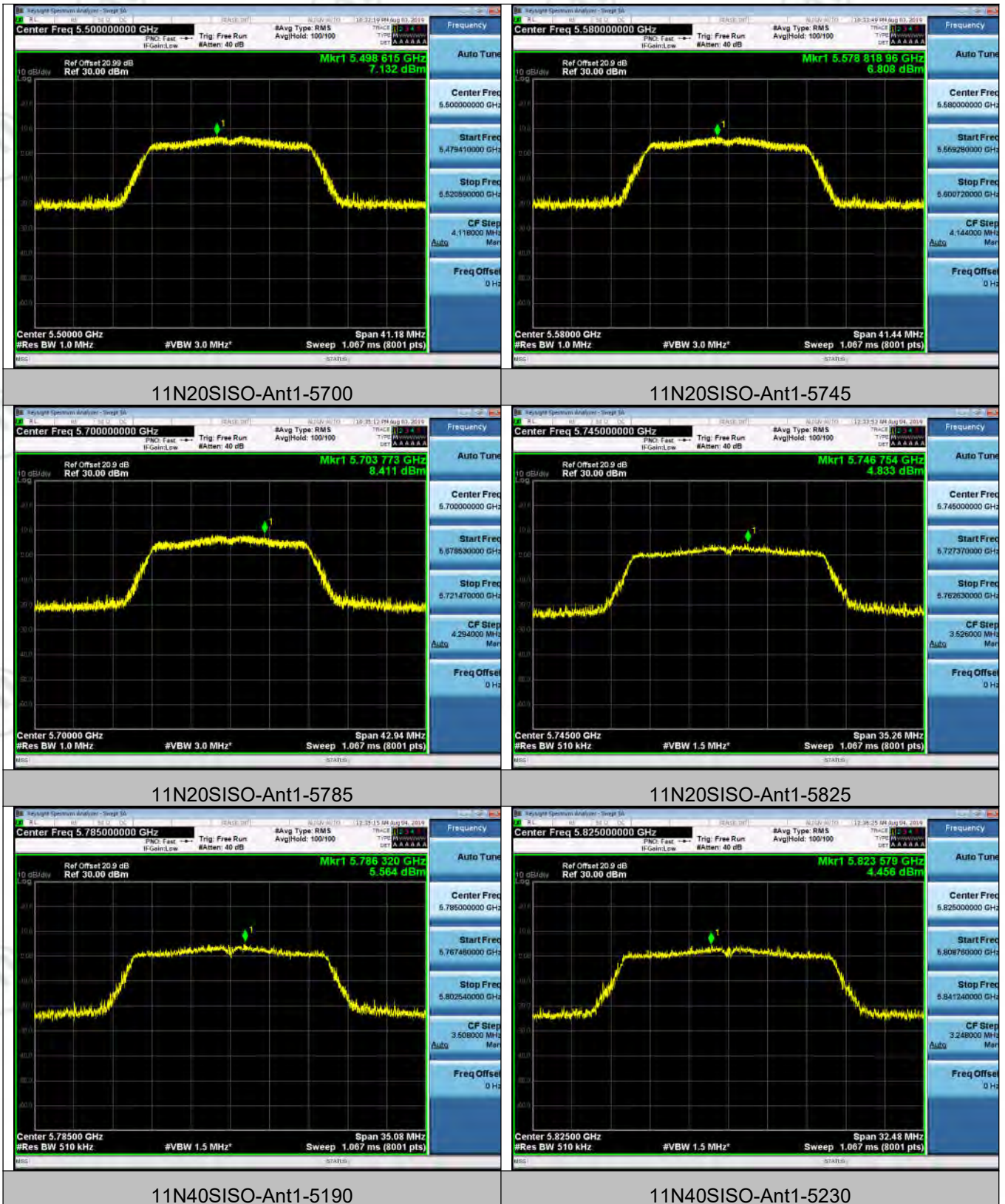


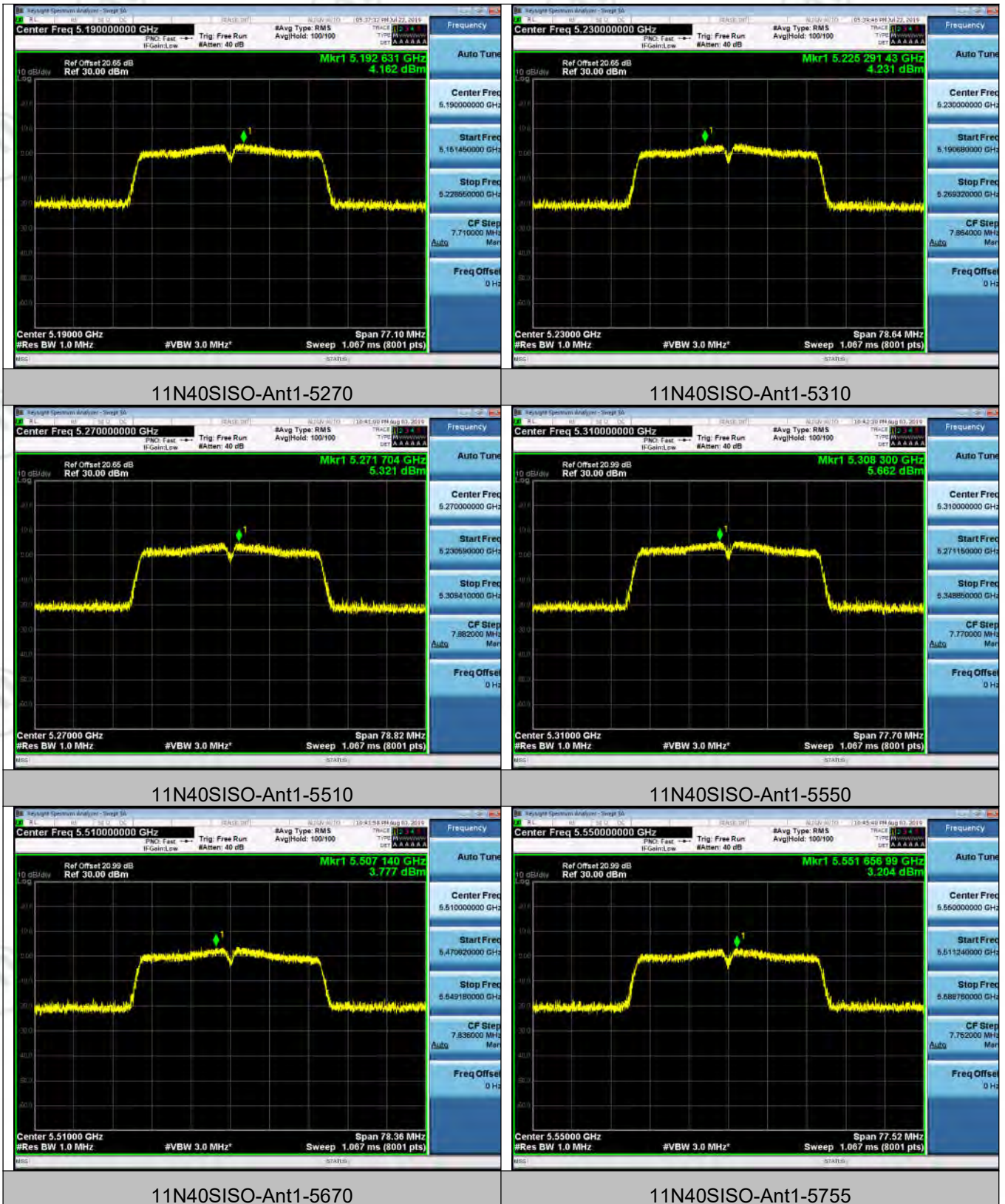
Test Graph

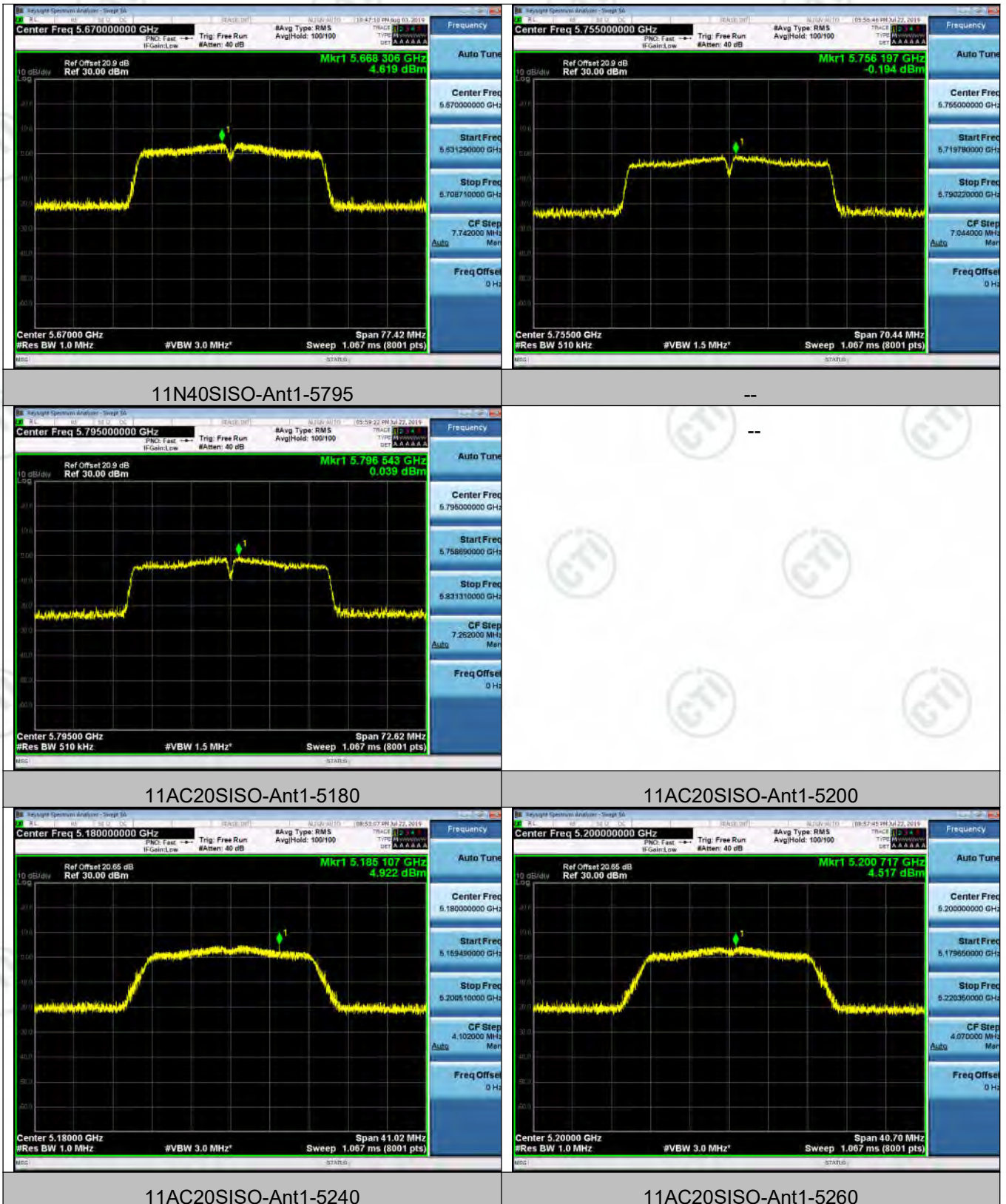


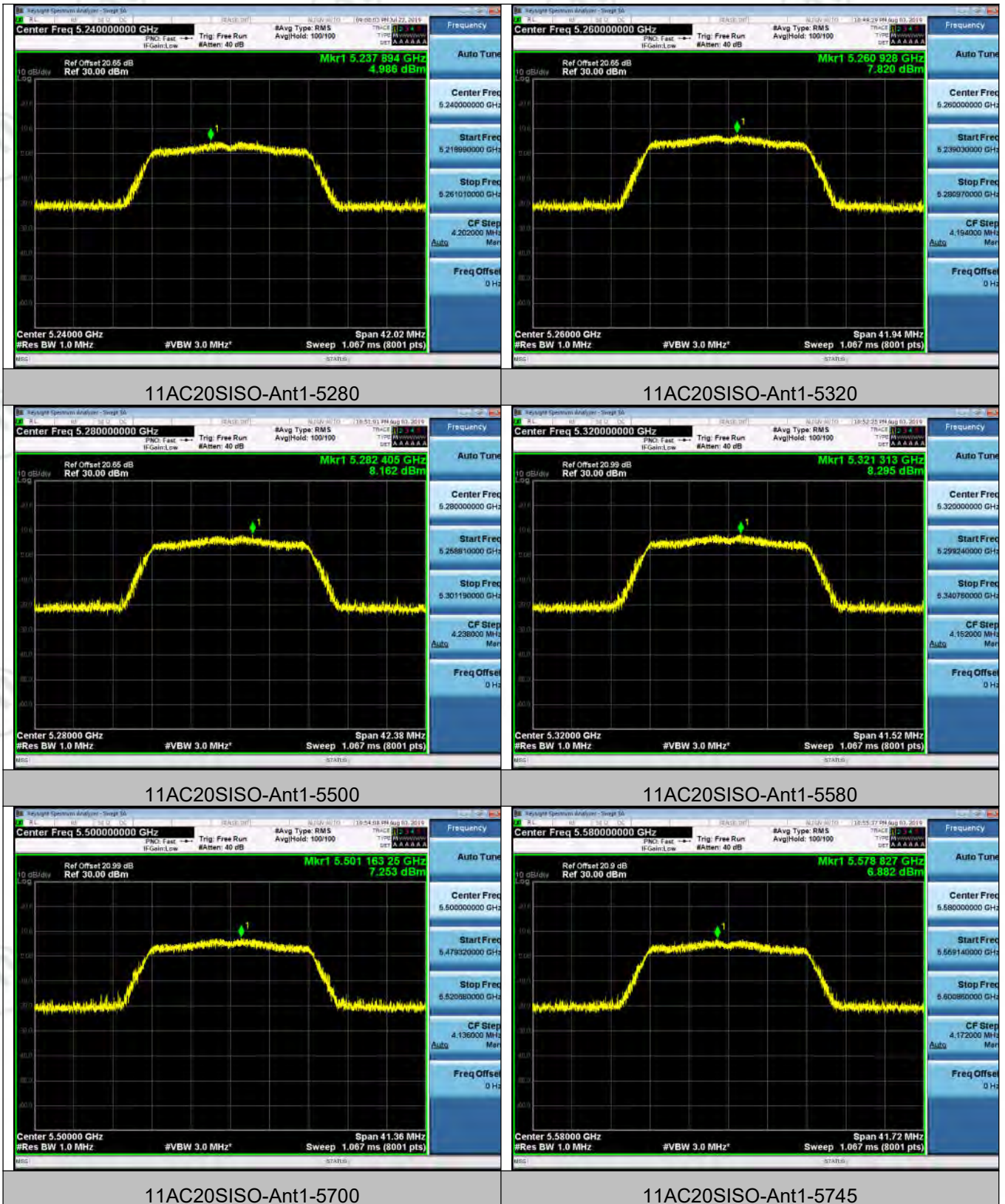


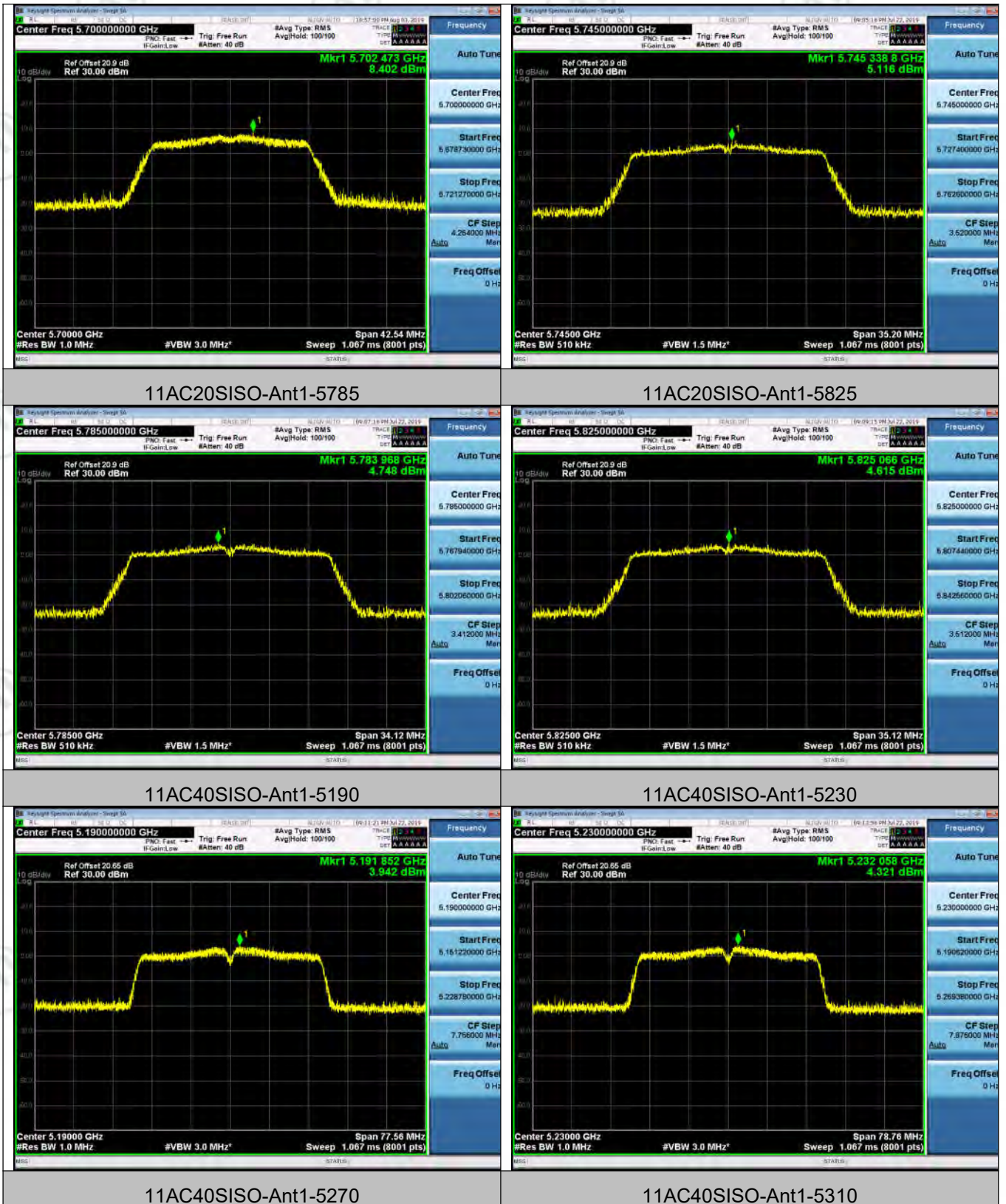




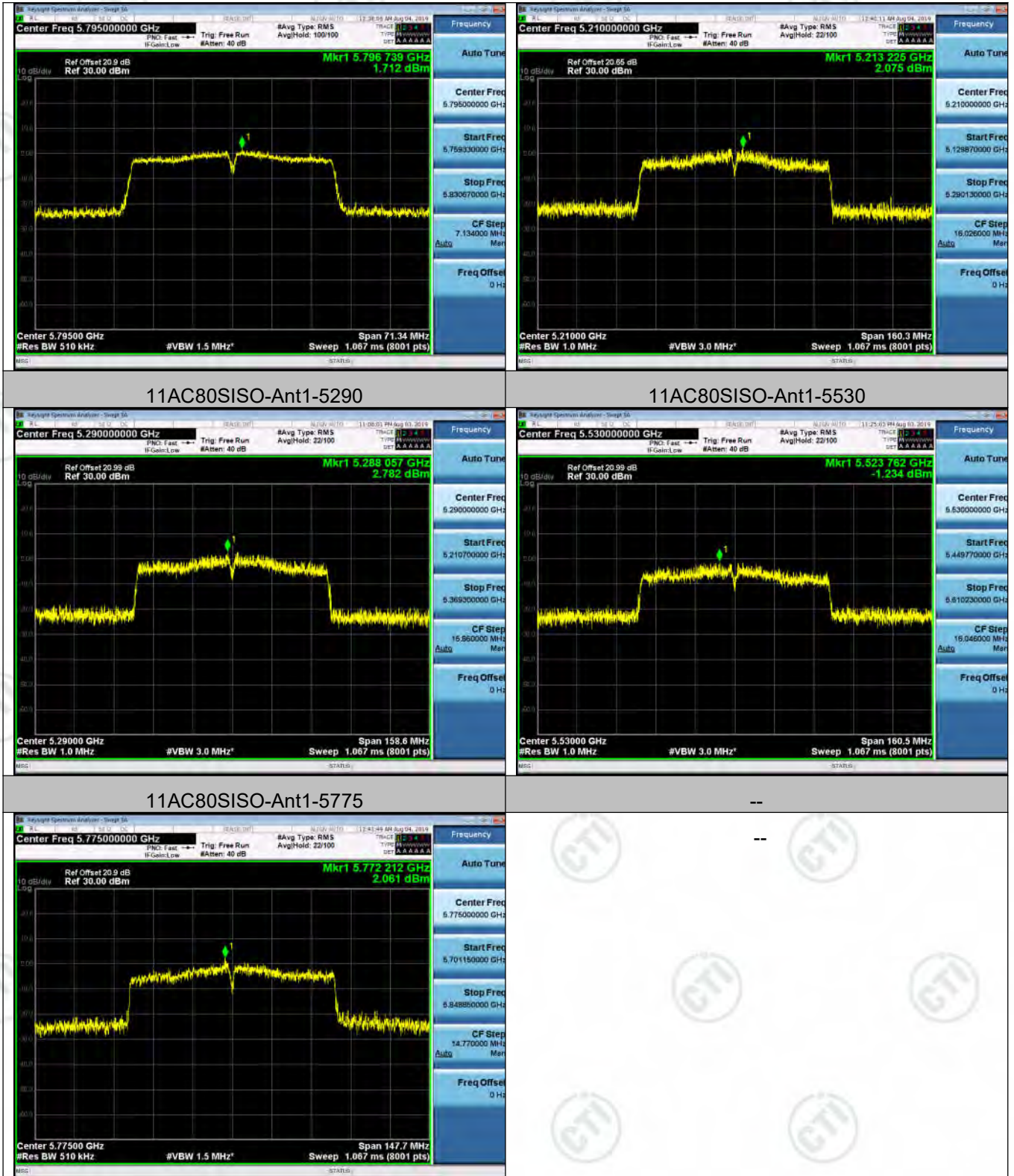












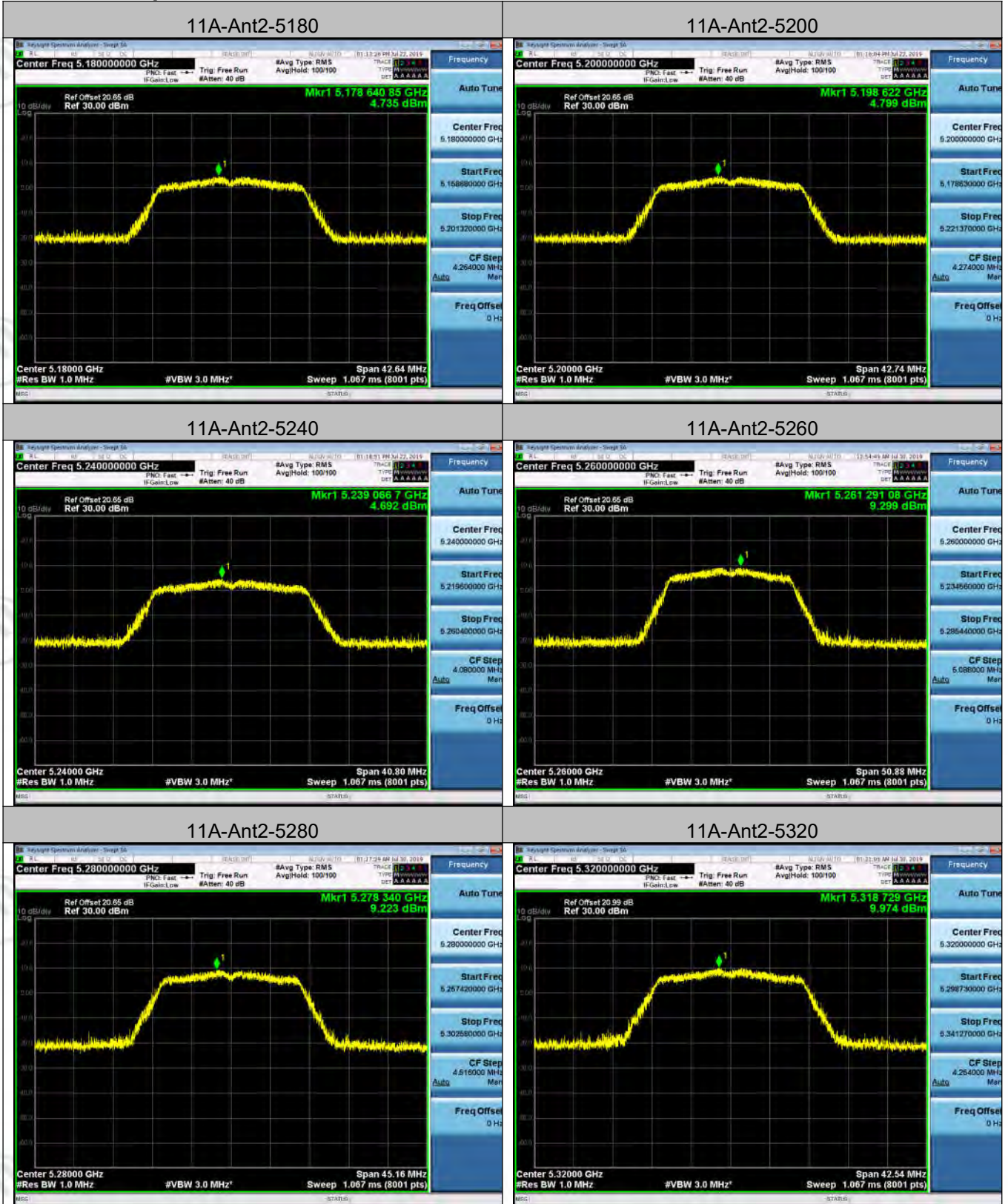
Ant 2:

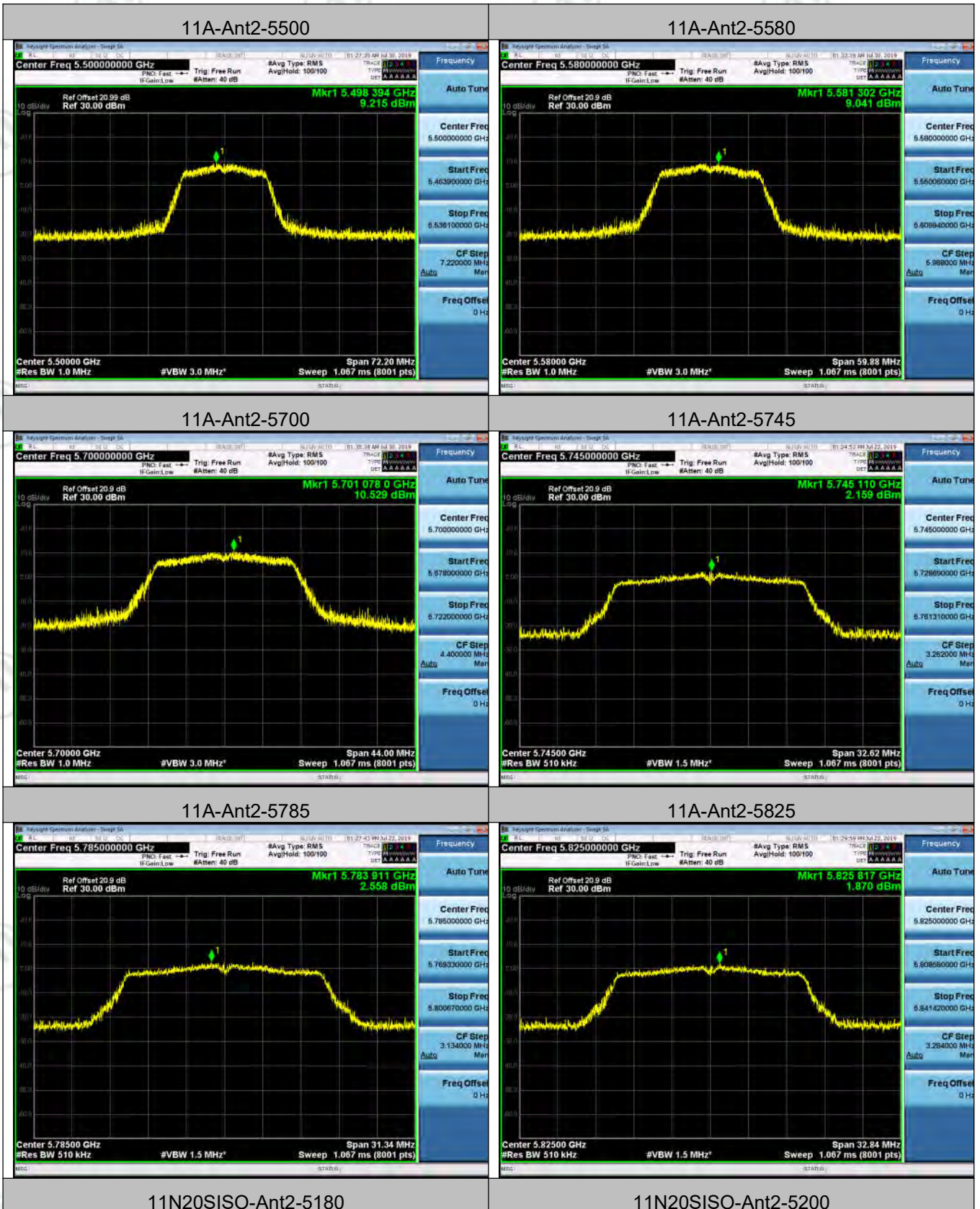
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11A	Ant2	5180	4.74	4.79	PASS
11A	Ant2	5200	4.80	4.85	PASS
11A	Ant2	5240	4.69	4.75	PASS
11A	Ant2	5260	9.30	9.35	PASS
11A	Ant2	5280	9.22	9.28	PASS
11A	Ant2	5320	9.97	10.03	PASS
11A	Ant2	5500	9.22	9.27	PASS
11A	Ant2	5580	9.04	9.09	PASS
11A	Ant2	5700	10.53	10.59	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11A	Ant2	5745	2.16	2.22	PASS
11A	Ant2	5785	2.56	2.62	PASS
11A	Ant2	5825	1.87	1.93	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11N20SISO	Ant2	5180	4.49	4.54	PASS
11N20SISO	Ant2	5200	4.76	4.82	PASS
11N20SISO	Ant2	5240	4.56	4.62	PASS
11N20SISO	Ant2	5260	8.54	8.61	PASS
11N20SISO	Ant2	5280	8.52	8.57	PASS
11N20SISO	Ant2	5320	9.75	9.80	PASS
11N20SISO	Ant2	5500	9.06	9.12	PASS
11N20SISO	Ant2	5580	8.97	9.03	PASS
11N20SISO	Ant2	5700	9.42	9.48	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11N20SISO	Ant2	5745	1.76	1.81	PASS
11N20SISO	Ant2	5785	1.51	1.57	PASS
11N20SISO	Ant2	5825	0.76	0.83	PASS

Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11N40SISO	Ant2	5190	4.75	4.88	PASS
11N40SISO	Ant2	5230	4.43	4.55	PASS
11N40SISO	Ant2	5270	6.66	6.79	PASS
11N40SISO	Ant2	5310	8.00	8.11	PASS
11N40SISO	Ant2	5510	5.43	5.55	PASS
11N40SISO	Ant2	5550	5.01	5.13	PASS
11N40SISO	Ant2	5670	6.68	6.80	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11N40SISO	Ant2	5755	0.22	0.35	PASS
11N40SISO	Ant2	5795	0.60	0.73	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11AC20SISO	Ant2	5180	4.65	4.71	PASS
11AC20SISO	Ant2	5200	4.85	4.91	PASS
11AC20SISO	Ant2	5240	3.62	3.67	PASS
11AC20SISO	Ant2	5260	8.66	8.72	PASS
11AC20SISO	Ant2	5280	8.56	8.62	PASS
11AC20SISO	Ant2	5320	10.87	10.93	PASS
11AC20SISO	Ant2	5500	9.27	9.33	PASS
11AC20SISO	Ant2	5580	9.10	9.16	PASS
11AC20SISO	Ant2	5700	9.57	9.63	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11AC20SISO	Ant2	5745	1.59	1.65	PASS
11AC20SISO	Ant2	5785	2.16	2.22	PASS
11AC20SISO	Ant2	5825	0.87	0.92	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11AC40SISO	Ant2	5190	3.32	3.43	PASS
11AC40SISO	Ant2	5230	3.19	3.31	PASS
11AC40SISO	Ant2	5270	6.52	6.64	PASS
11AC40SISO	Ant2	5310	7.31	7.43	PASS

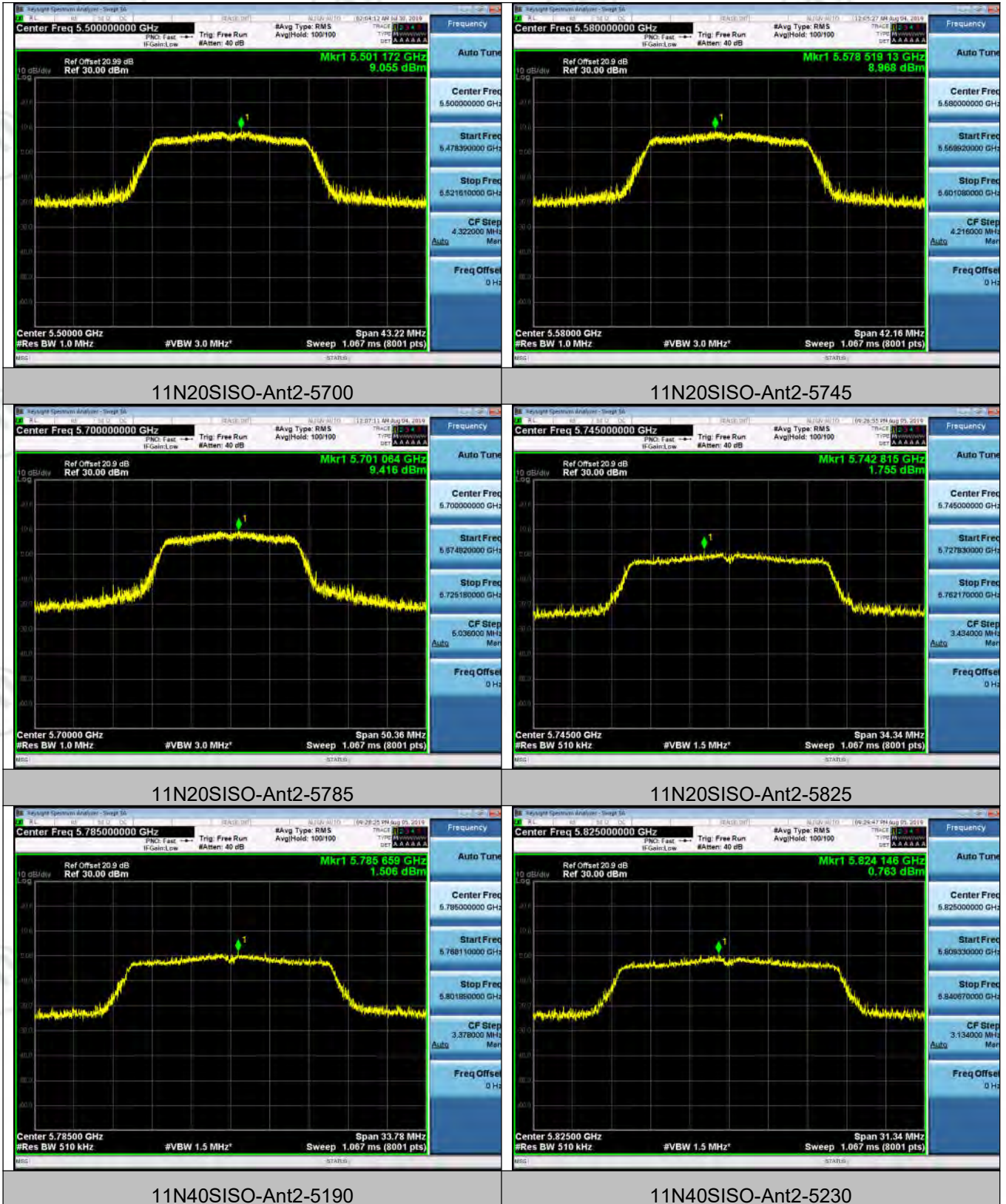
11AC40SISO	Ant2	5510	5.51	5.62	PASS
11AC40SISO	Ant2	5550	5.33	5.45	PASS
11AC40SISO	Ant2	5670	6.11	6.23	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11AC40SISO	Ant2	5755	-0.92	-0.81	PASS
11AC40SISO	Ant2	5795	-0.63	-0.52	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11AC80SISO	Ant2	5210	1.17	1.40	PASS
11AC80SISO	Ant2	5290	4.01	4.24	PASS
11AC80SISO	Ant2	5530	1.16	1.39	PASS
Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/500kHz]	Verdict
11AC80SISO	Ant2	5775	-3.22	-2.98	PASS

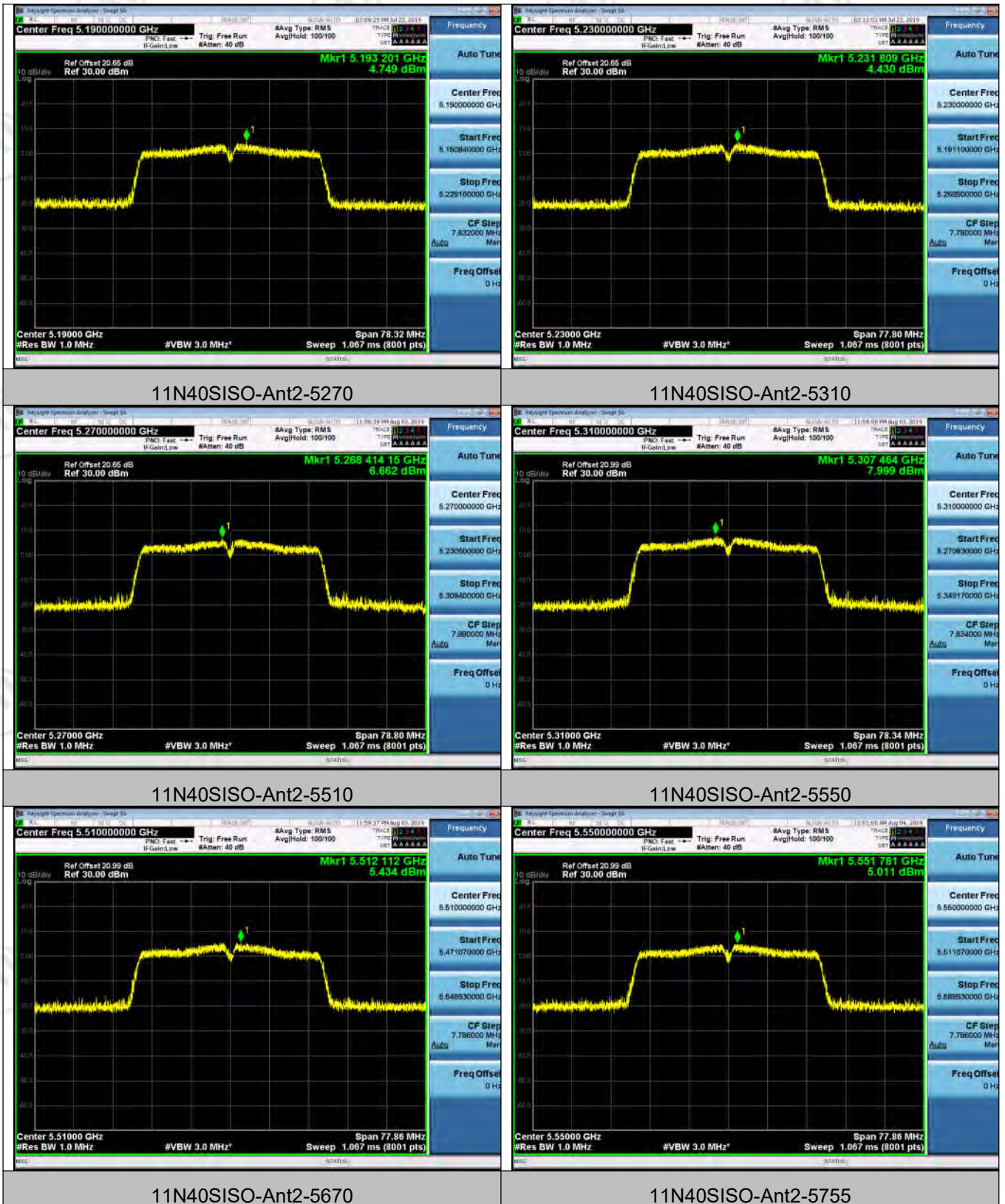
Test Graph

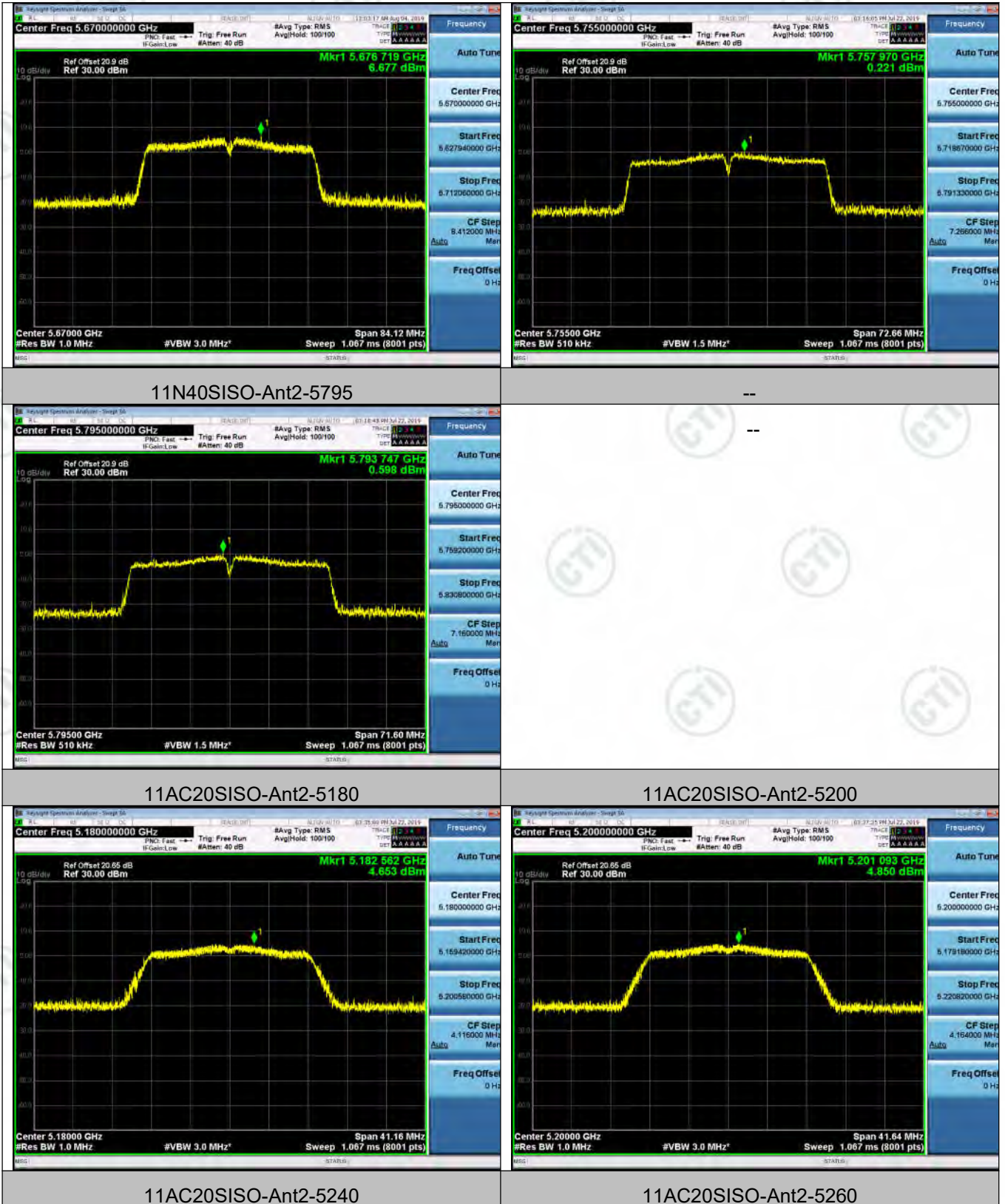


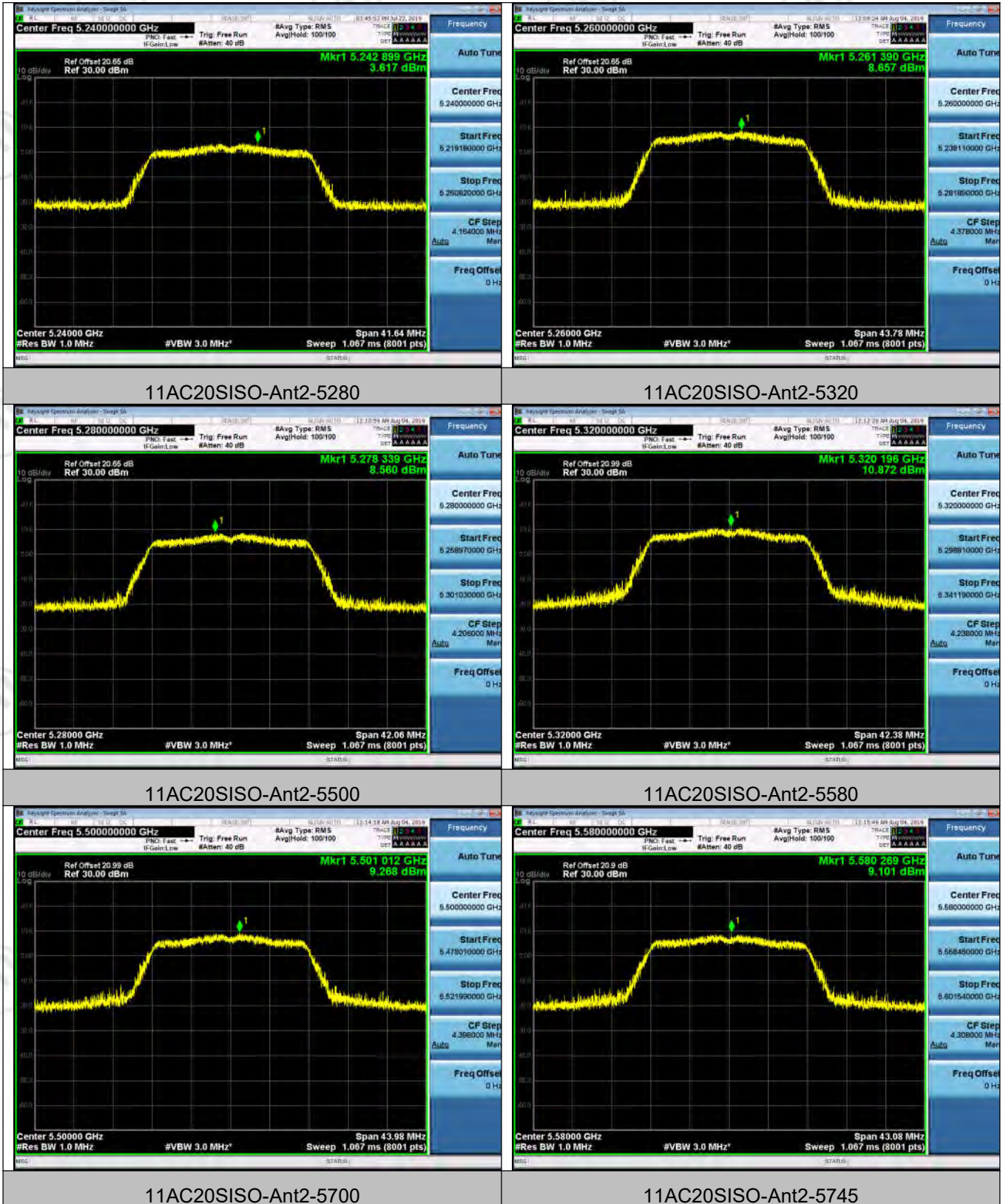


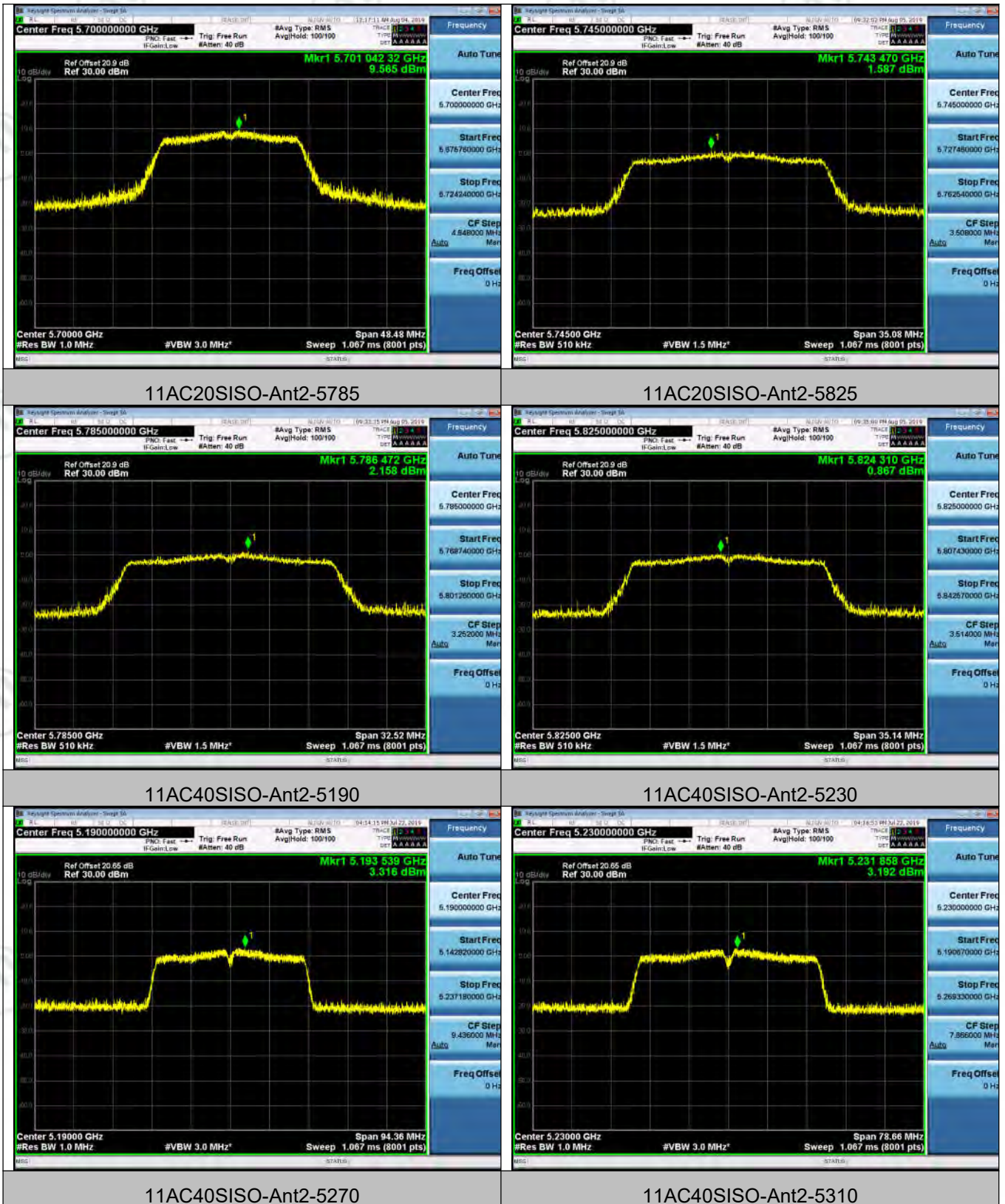


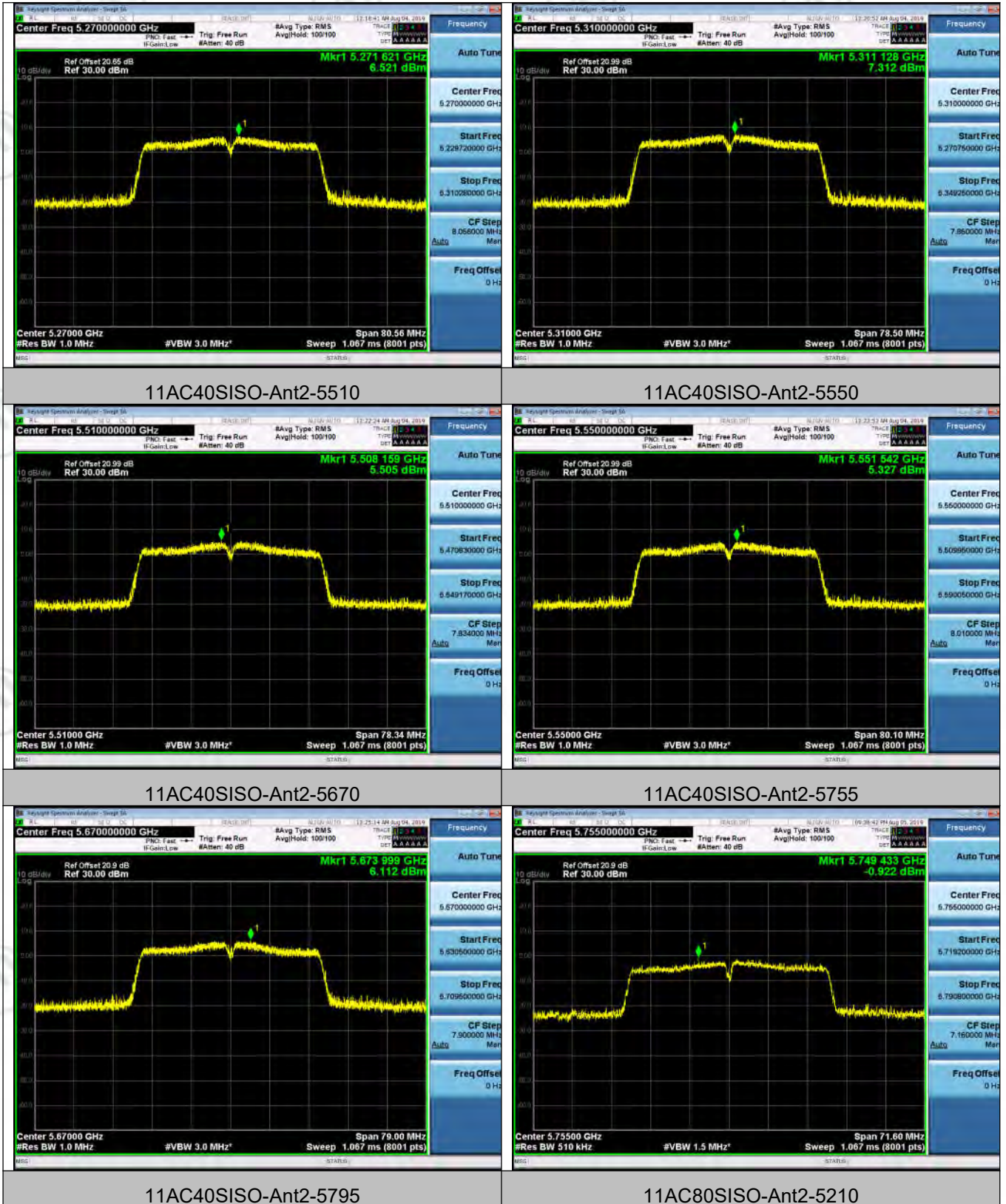


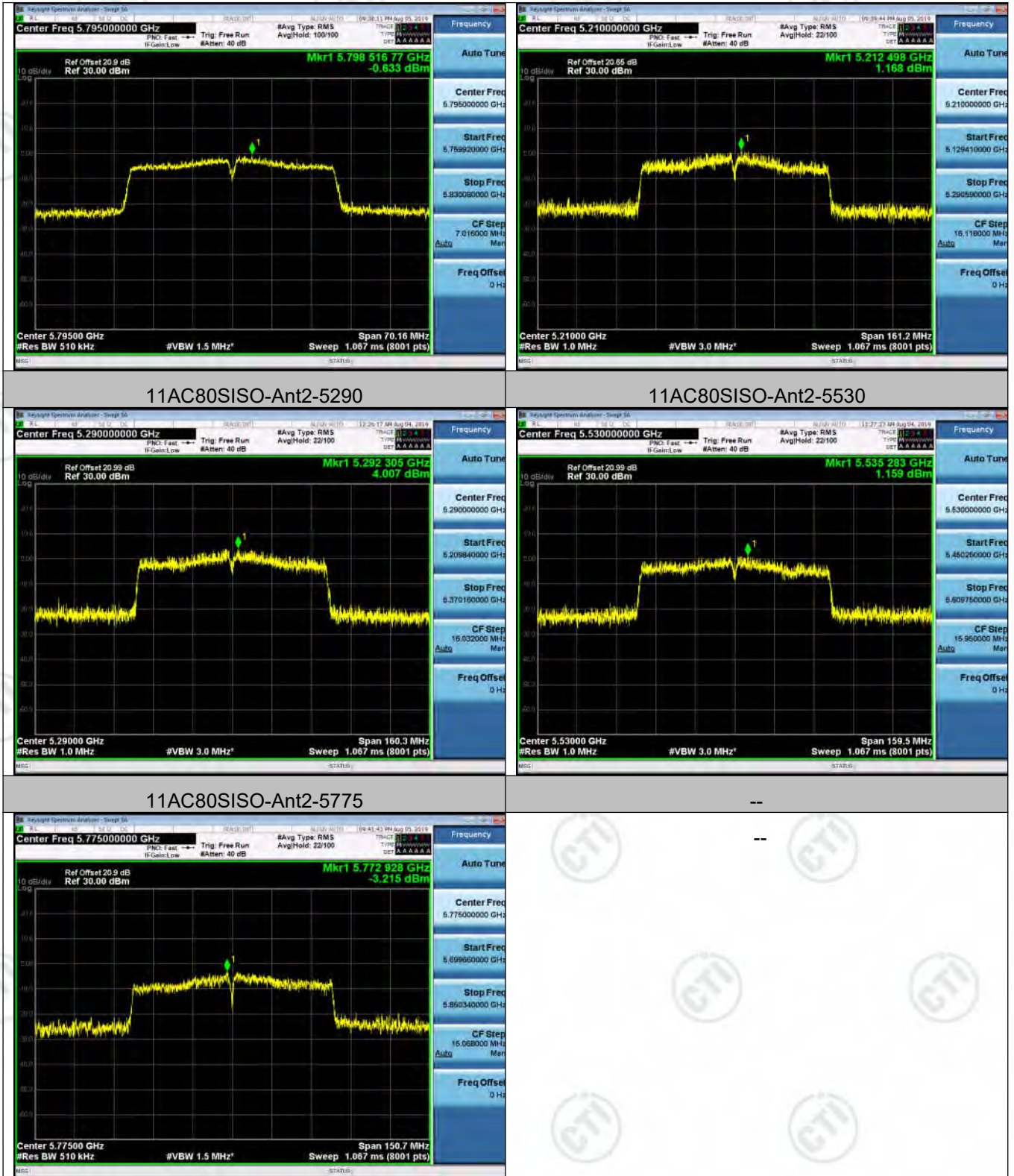












Ant1:

Appendix D): Band Edge Measurements

Result Table

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11A	Ant1	5180	-46.468		PASS
11A	Ant1	5240	-48.162		PASS
11A	Ant1	5260	-45.588		PASS
11A	Ant1	5320	-47.695		PASS
11A	Ant1	5500	-46.341		PASS
11A	Ant1	5700	-46.975		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11A	Ant1	5745	-46.494	-43.978	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11A	Ant1	5825	-45.202	-46.331	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11N20SISO	Ant1	5180	-46.106		PASS
11N20SISO	Ant1	5240	-47.169		PASS
11N20SISO	Ant1	5260	-46.205		PASS
11N20SISO	Ant1	5320	-48.166		PASS
11N20SISO	Ant1	5500	-45.13		PASS
11N20SISO	Ant1	5700	-46.154		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11N20SISO	Ant1	5745	-45.425	-39.691	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11N20SISO	Ant1	5825	-45.914	-47.385	PASS

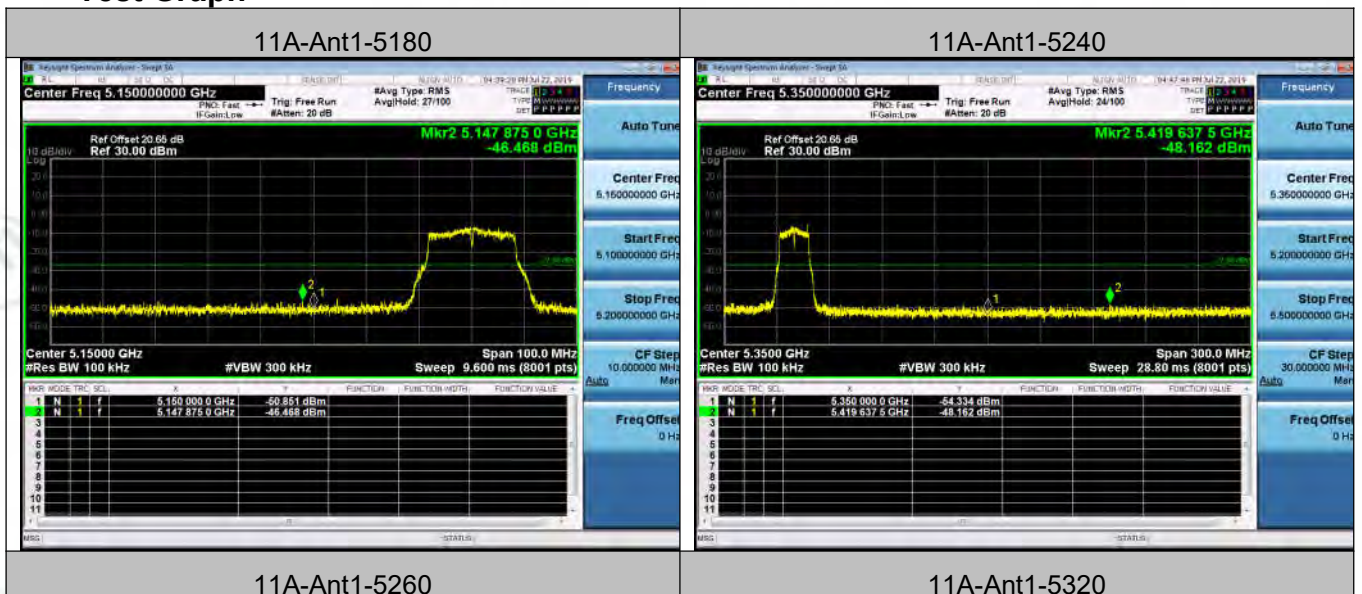
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11N40SISO	Ant1	5190	-50.804		PASS
11N40SISO	Ant1	5230	-52.22		PASS
11N40SISO	Ant1	5270	-49.395		PASS
11N40SISO	Ant1	5310	-45.114		PASS
11N40SISO	Ant1	5510	-45.577		PASS
11N40SISO	Ant1	5670	-51.271		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11N40SISO	Ant1	5755	-40.254	-35.24	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11N40SISO	Ant1	5795	-47.789	-44.833	PASS

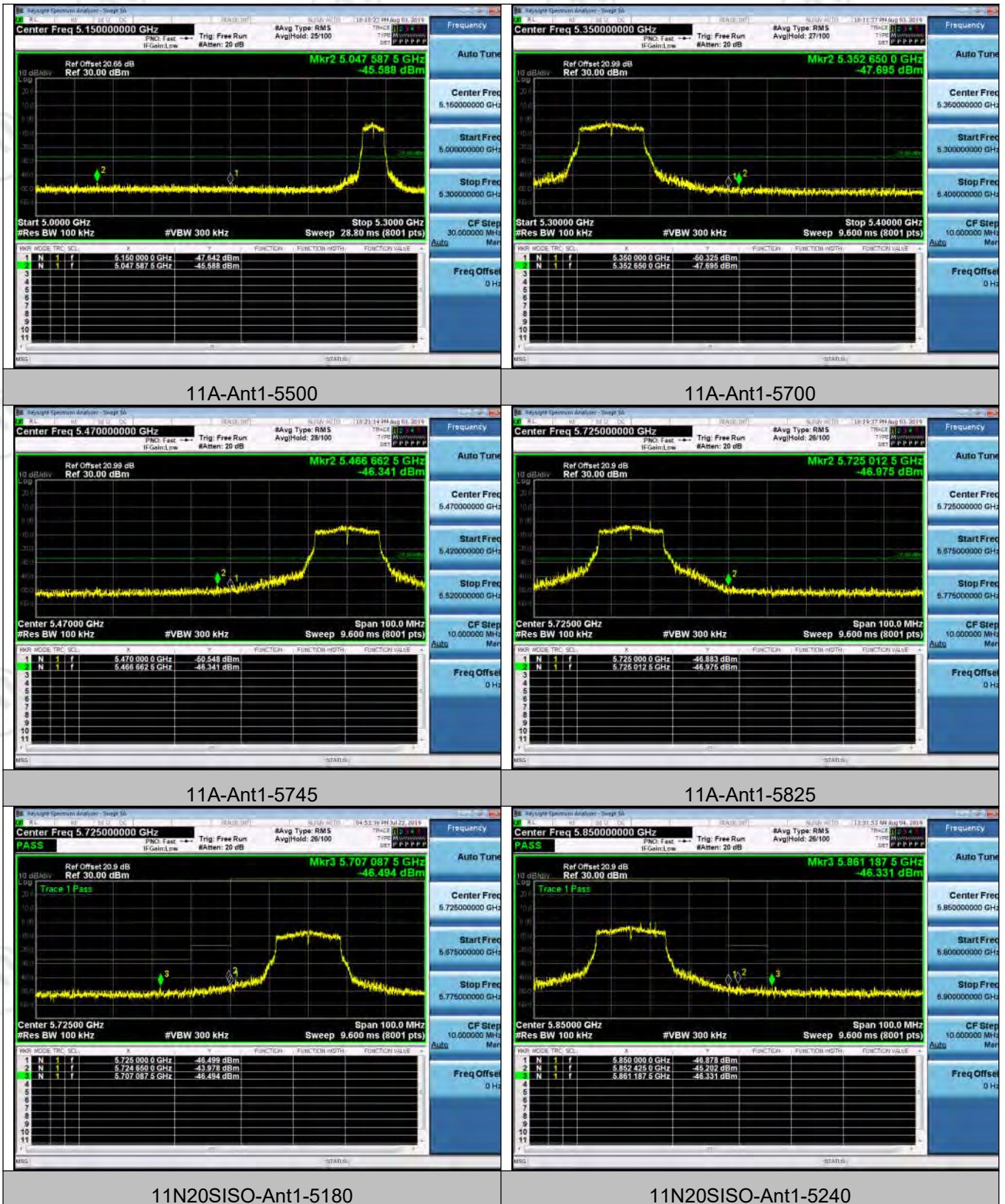
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11AC20SISO	Ant1	5180	-46.896		PASS
11AC20SISO	Ant1	5240	-47.651		PASS
11AC20SISO	Ant1	5260	-45.645		PASS
11AC20SISO	Ant1	5320	-48.061		PASS
11AC20SISO	Ant1	5500	-46.136		PASS
11AC20SISO	Ant1	5700	-46.254		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11AC20SISO	Ant1	5745	-46.475	-38.902	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11AC20SISO	Ant1	5825	-46.063	-47.565	PASS

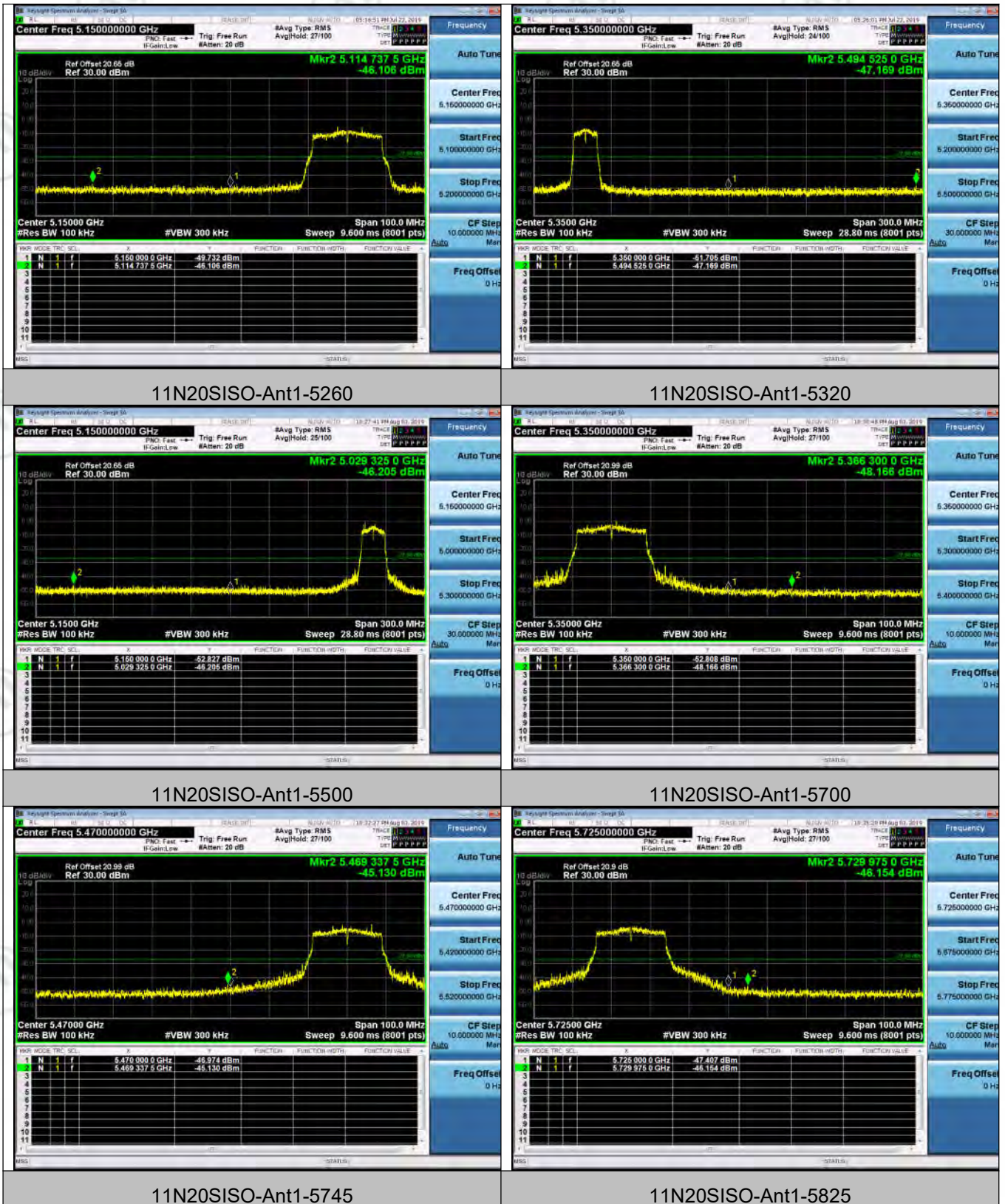
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11AC40SISO	Ant1	5190	-47.606		PASS

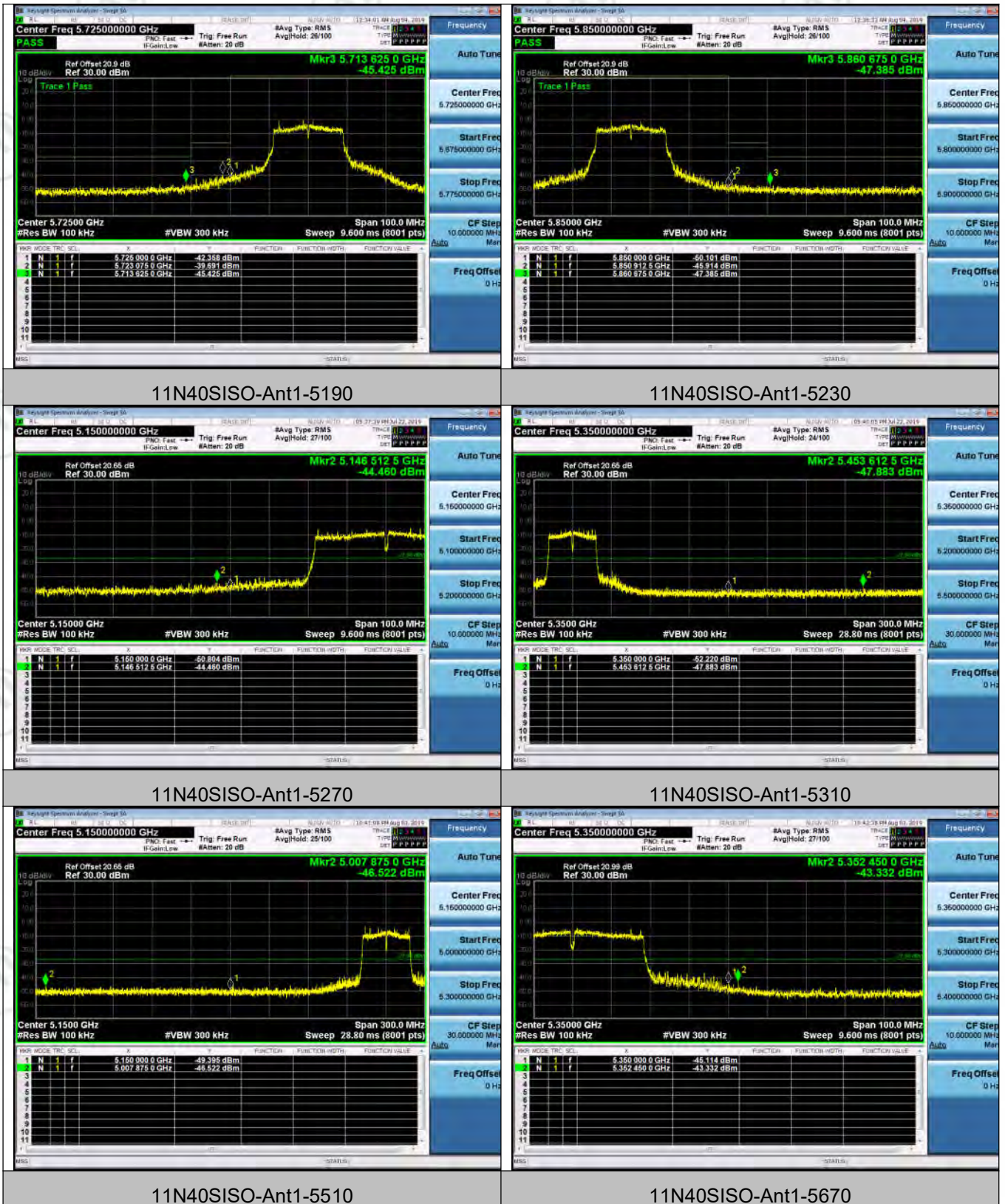
11AC40SISO	Ant1	5230	-43.257		PASS
11AC40SISO	Ant1	5270	-51.282		PASS
11AC40SISO	Ant1	5310	-45.793		PASS
11AC40SISO	Ant1	5510	-47.352		PASS
11AC40SISO	Ant1	5670	-51.663		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11AC40SISO	Ant1	5755	-42.375	-36.022	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11AC40SISO	Ant1	5795	-48.06	-47.063	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11AC80SISO	Ant1	5210	-44.628		PASS
11AC80SISO	Ant1	5290	-43.576		PASS
11AC80SISO	Ant1	5530	-49.512		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11AC80SISO	Ant1	5775	-34.983	-38.027	PASS

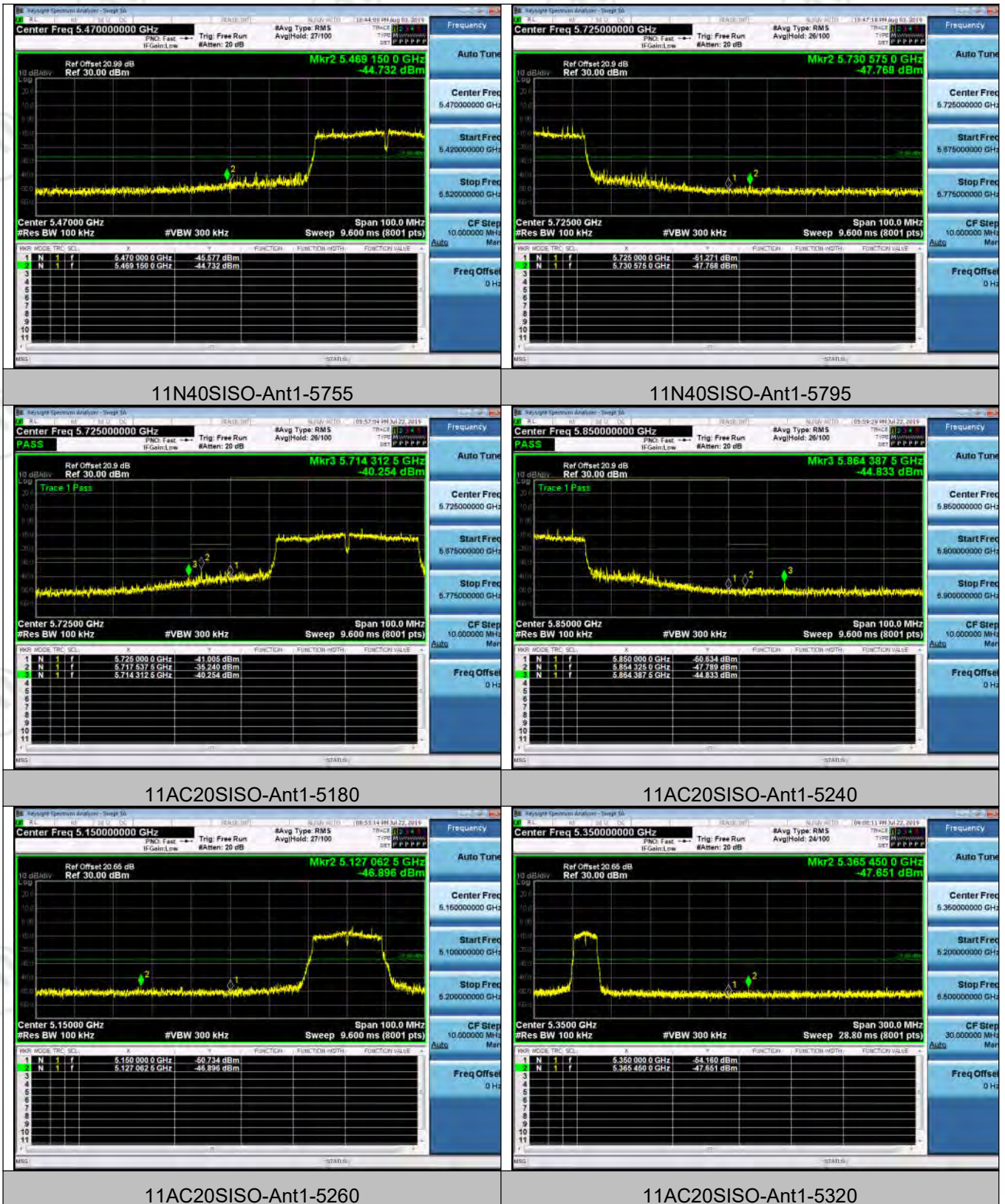
Test Graph

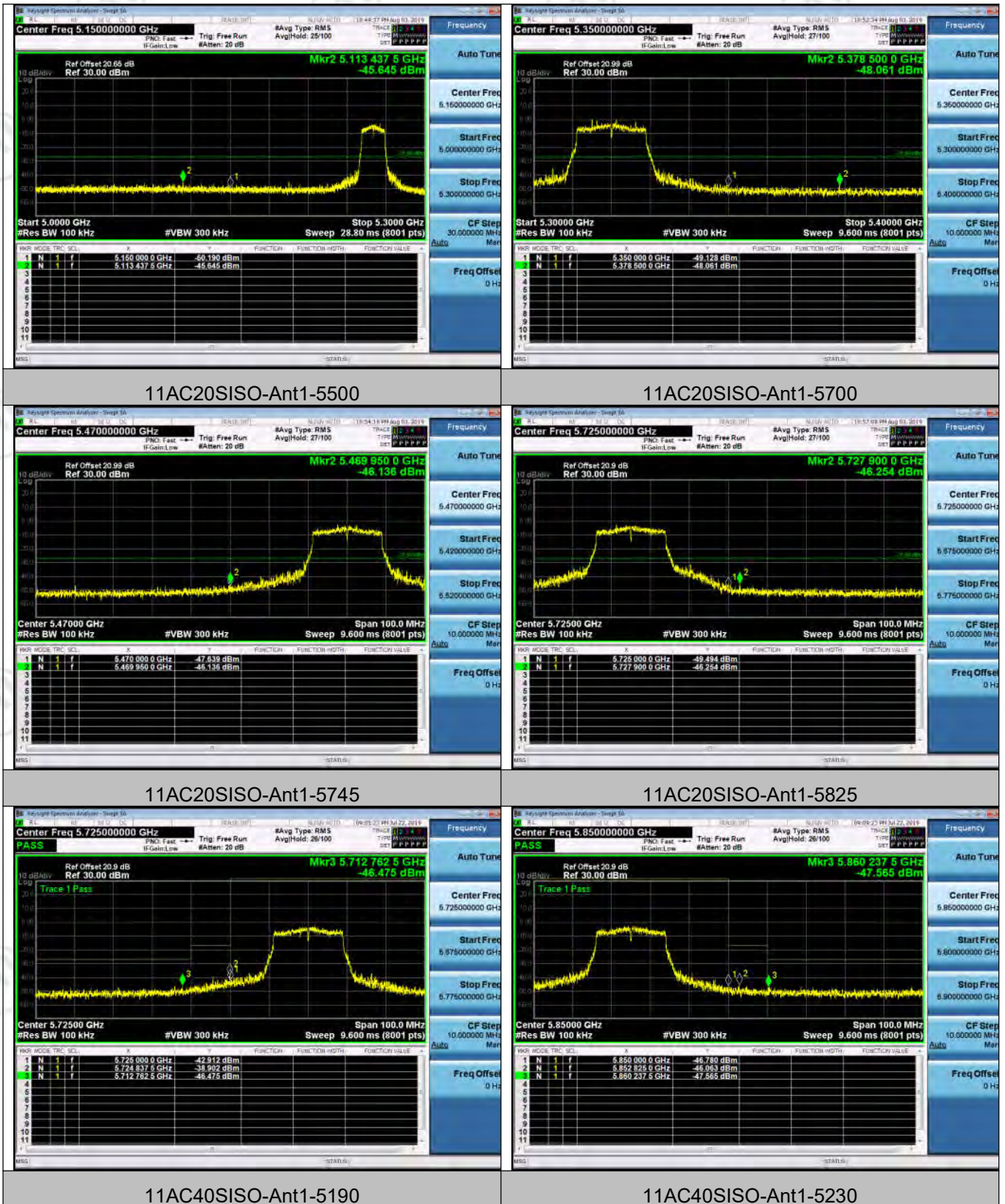


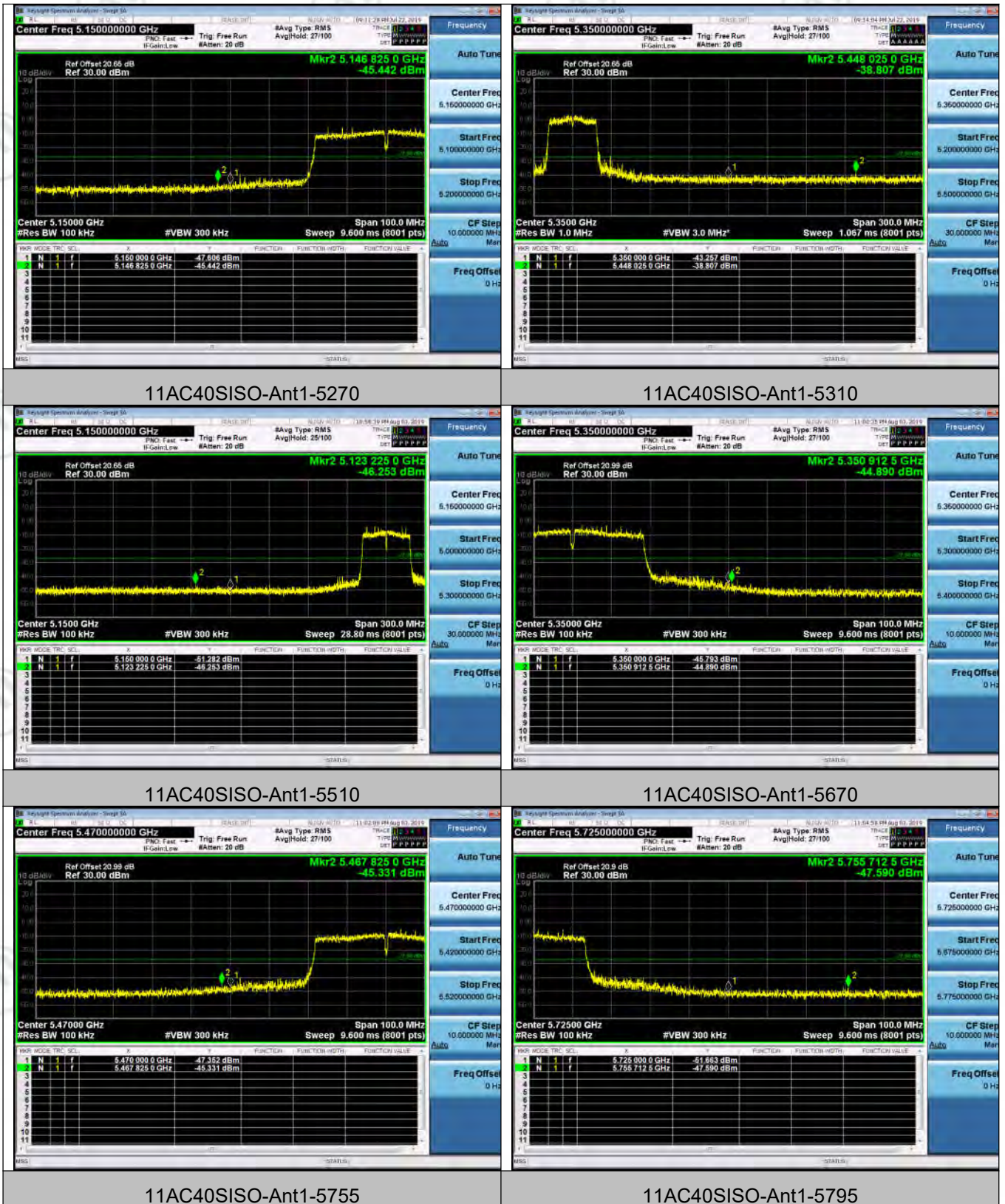














Ant 2:

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11A	Ant2	5180	-45.46		PASS
11A	Ant2	5240	-47.977		PASS
11A	Ant2	5260	-46.097		PASS
11A	Ant2	5320	-46.079		PASS
11A	Ant2	5500	-41.075		PASS
11A	Ant2	5700	-41.346		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11A	Ant2	5745	-46.508	-43.822	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11A	Ant2	5825	-47.587	-47.002	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11N20SISO	Ant2	5180	-46.207		PASS
11N20SISO	Ant2	5240	-48.075		PASS
11N20SISO	Ant2	5260	-45.156		PASS
11N20SISO	Ant2	5320	-47.086		PASS
11N20SISO	Ant2	5500	-42.053		PASS
11N20SISO	Ant2	5700	-42.815		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11N20SISO	Ant2	5745	-48.148	-42.533	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11N20SISO	Ant2	5825	-48.339	-47.228	PASS

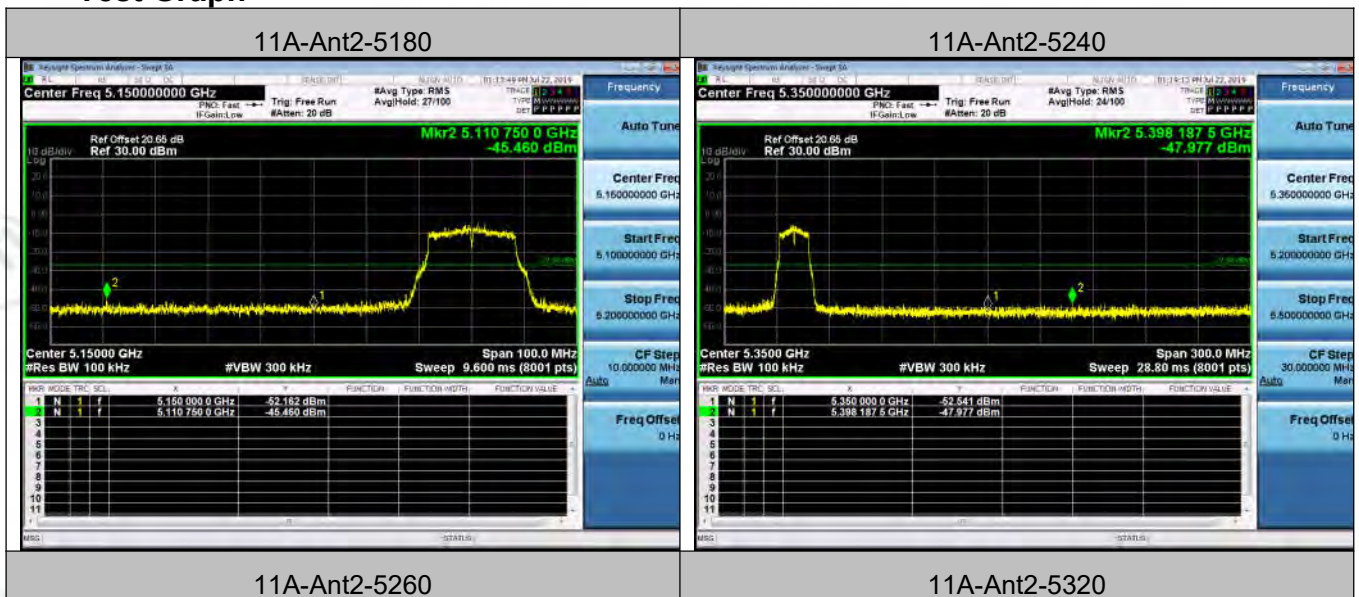
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11N40SISO	Ant2	5190	-50.111		PASS
11N40SISO	Ant2	5230	-51.718		PASS
11N40SISO	Ant2	5270	-48.725		PASS
11N40SISO	Ant2	5310	-42.488		PASS
11N40SISO	Ant2	5510	-44.577		PASS
11N40SISO	Ant2	5670	-51.398		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11N40SISO	Ant2	5755	-41.59	-34.696	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11N40SISO	Ant2	5795	-46.752	-47.344	PASS

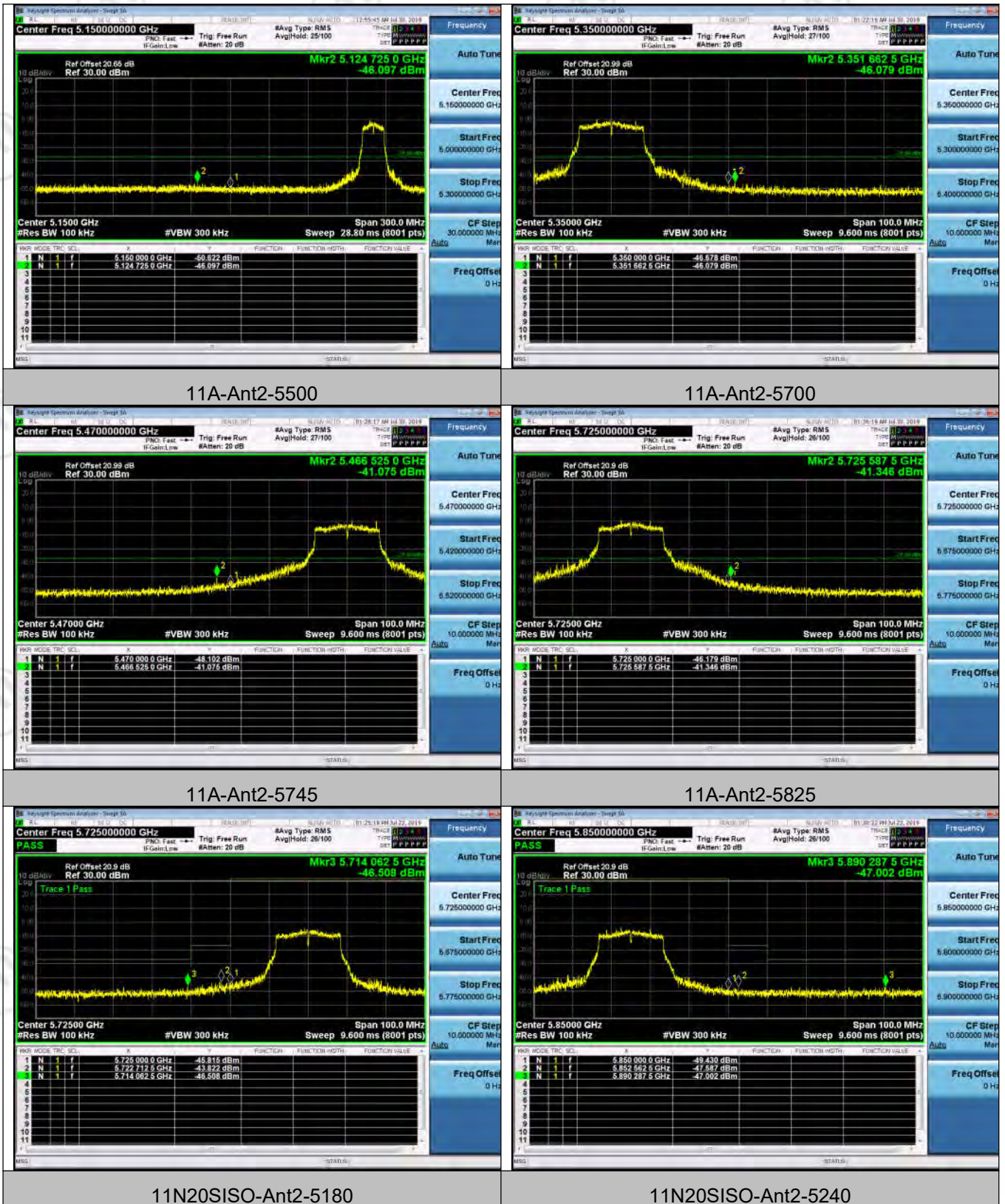
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11AC20SISO	Ant2	5180	-46.821		PASS
11AC20SISO	Ant2	5240	-48.241		PASS
11AC20SISO	Ant2	5260	-45.992		PASS
11AC20SISO	Ant2	5320	-44.76		PASS
11AC20SISO	Ant2	5500	-44.314		PASS
11AC20SISO	Ant2	5700	-44.156		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11AC20SISO	Ant2	5745	-47.9	-41.464	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11AC20SISO	Ant2	5825	-48.071	-47.436	PASS

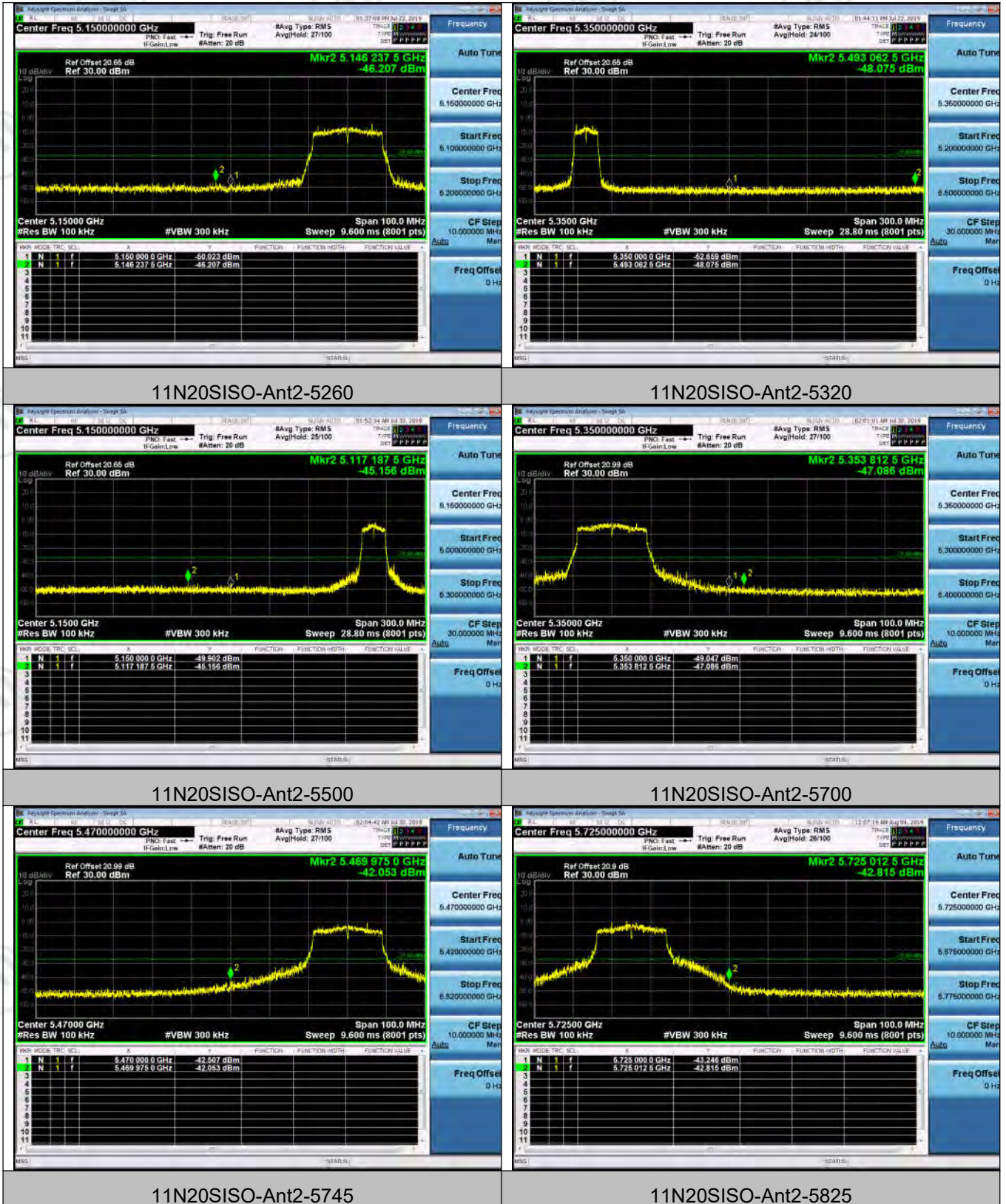
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11AC40SISO	Ant2	5190	-47.354		PASS

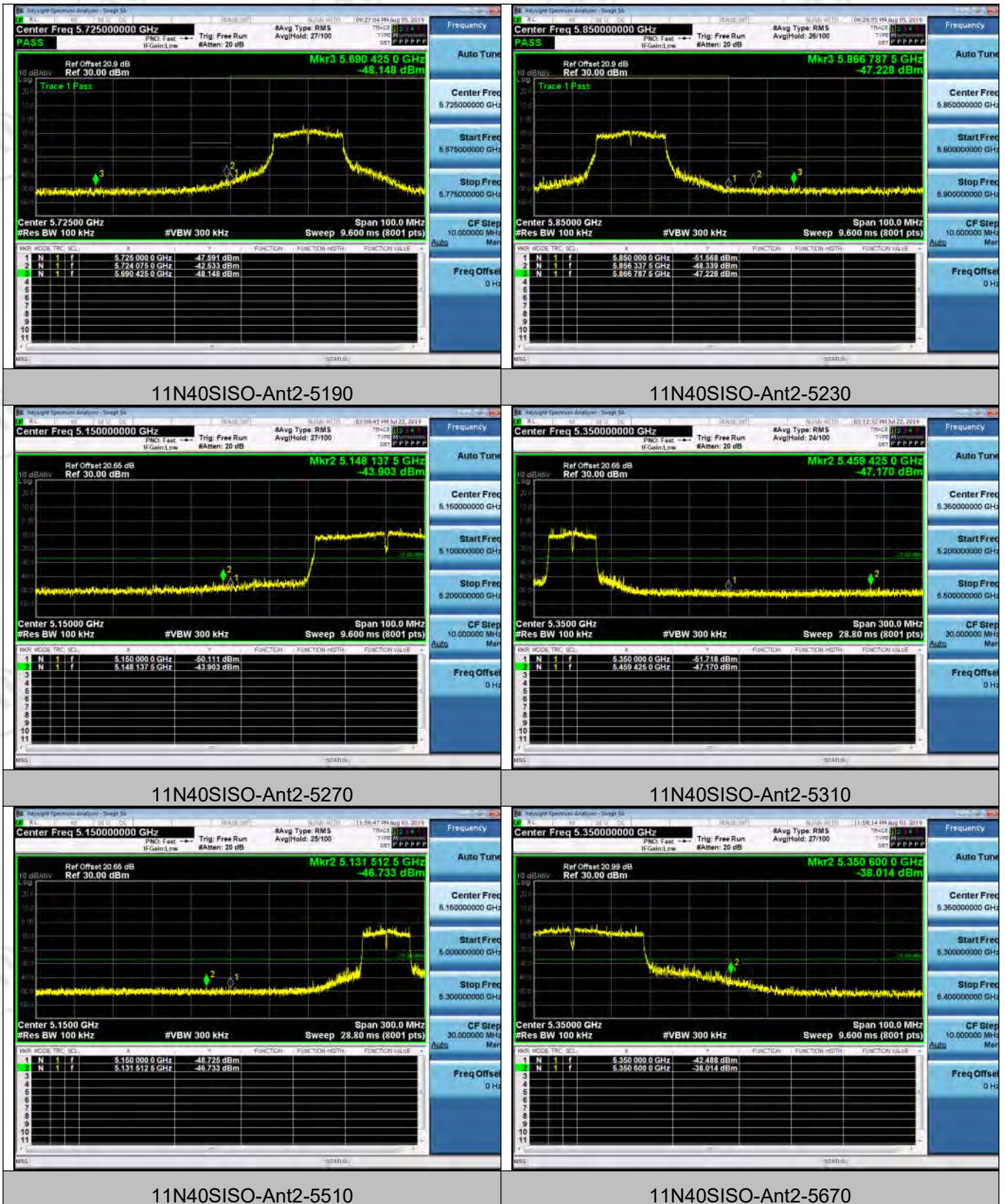
11AC40SISO	Ant2	5230	-43.206		PASS
11AC40SISO	Ant2	5270	-51.089		PASS
11AC40SISO	Ant2	5310	-40.939		PASS
11AC40SISO	Ant2	5510	-44.687		PASS
11AC40SISO	Ant2	5670	-51.708		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			Below 5715	5715-5725	
11AC40SISO	Ant2	5755	-41.985	-36.488	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11AC40SISO	Ant2	5795	-47.594	-46.382	PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11AC80SISO	Ant2	5210	-45.719		PASS
11AC80SISO	Ant2	5290	-39.142		PASS
11AC80SISO	Ant2	5530	-40.551		PASS
Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
			5850-5860	Above 5860	
11AC80SISO	Ant2	5775	-37.112	-38.963	PASS

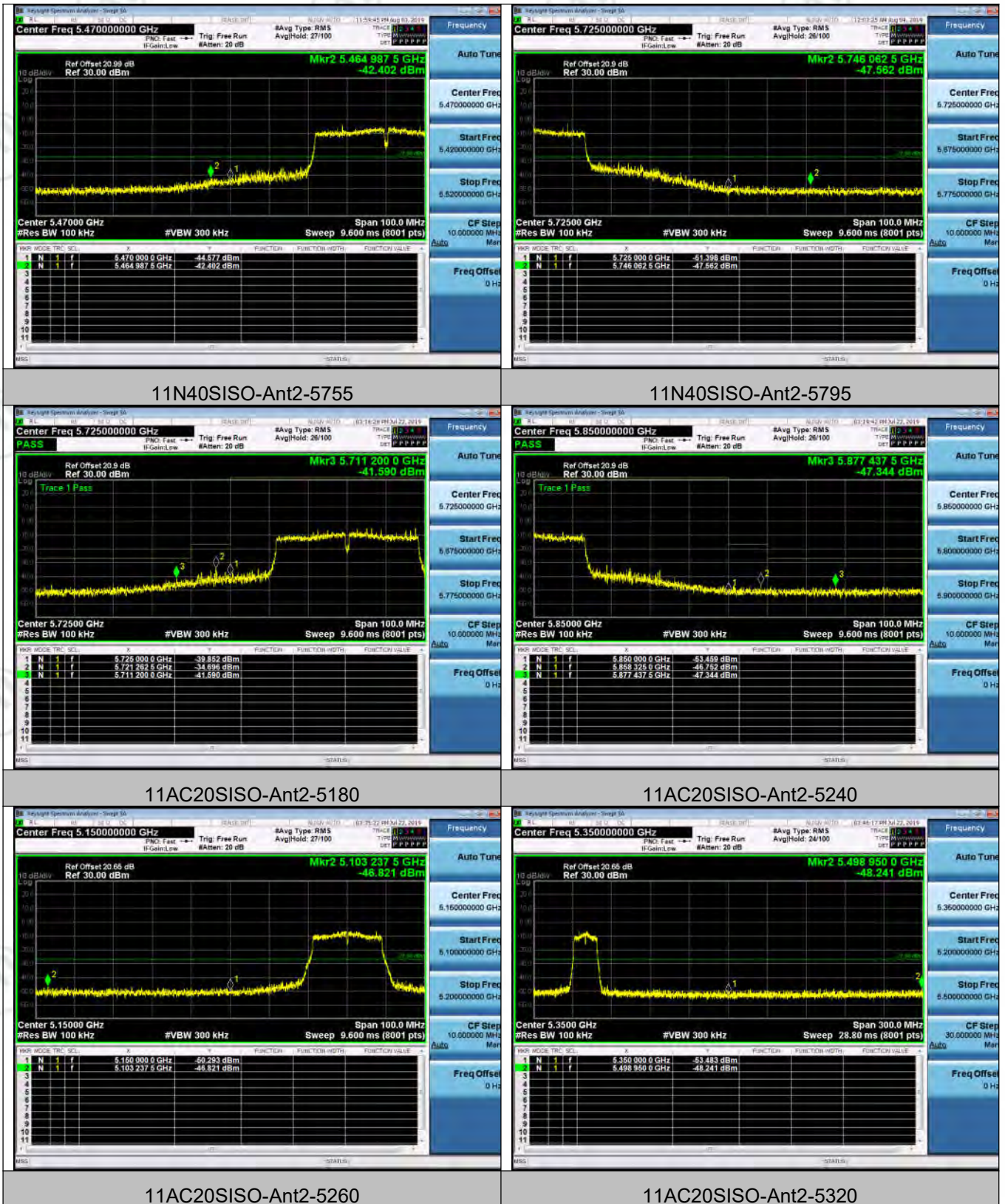
Test Graph

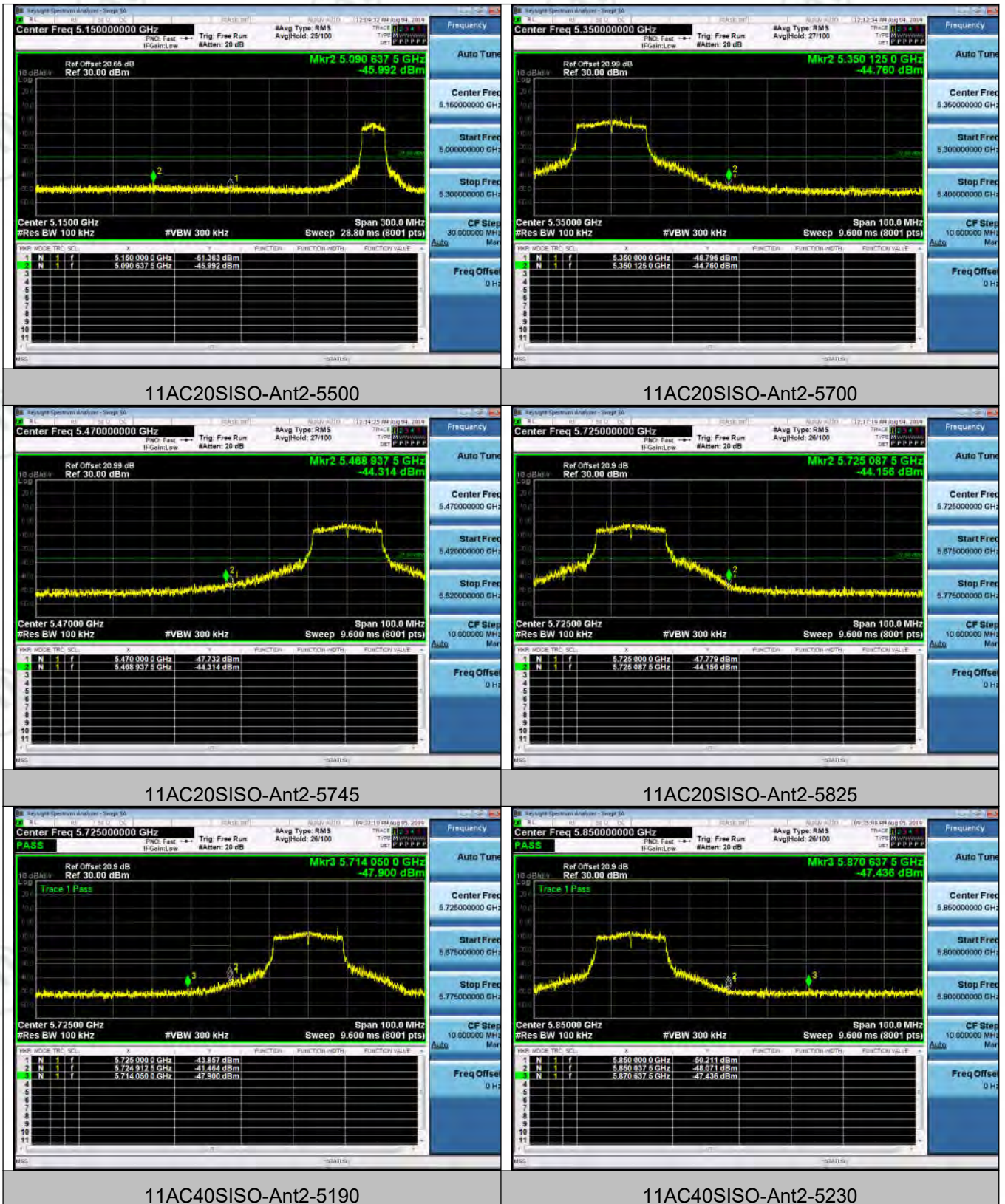


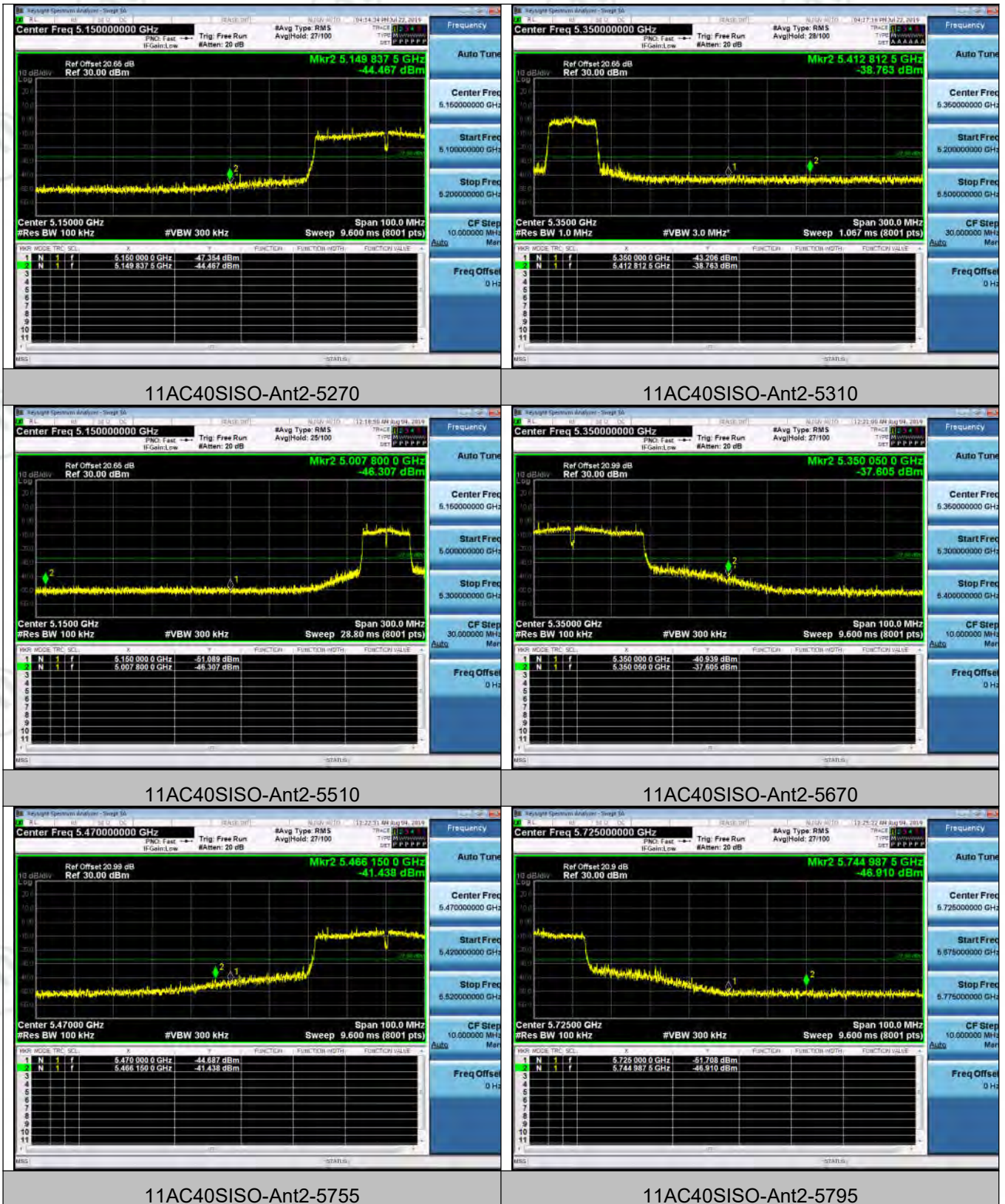














Appendix E): Frequency Stability

Ant1:

Frequency Error vs. Voltage:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant1	5180	TN	VL	5180.06	11.583012	PASS
			TN	VN	5179.96	-7.722008	PASS
			TN	VH	5179.96	-7.722008	PASS
11A	Ant1	5200	TN	VL	5200.08	15.384615	PASS
			TN	VN	5200	0	PASS
			TN	VH	5200	0	PASS
11A	Ant1	5240	TN	VL	5240.06	11.450382	PASS
			TN	VN	5239.96	-7.633588	PASS
			TN	VH	5240	0	PASS
11A	Ant1	5260	TN	VL	5259.955	-8.555133	PASS
			TN	VN	5259.97	-5.703422	PASS
			TN	VH	5259.985	-2.851711	PASS
11A	Ant1	5280	TN	VL	5280	0	PASS
			TN	VN	5280	0	PASS
			TN	VH	5280.075	14.204545	PASS
11A	Ant1	5320	TN	VL	5319.97	-5.639098	PASS
			TN	VN	5320	0	PASS
			TN	VH	5320.015	2.819549	PASS
11A	Ant1	5500	TN	VL	5500	0	PASS
			TN	VN	5499.97	-5.454545	PASS
			TN	VH	5499.97	-5.454545	PASS
11A	Ant1	5580	TN	VL	5579.955	-8.064516	PASS
			TN	VN	5579.97	-5.376344	PASS
			TN	VH	5579.97	-5.376344	PASS
11A	Ant1	5700	TN	VL	5700.03	5.263158	PASS
			TN	VN	5700	0	PASS
			TN	VH	5699.97	-5.263158	PASS
11A	Ant1	5745	TN	VL	5745	0	PASS
			TN	VN	5745.06	10.443864	PASS

			TN	VH	5745	0	PASS
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11A	Ant1	5785	TN	VL	5785	0	PASS
			TN	VN	5785.08	13.828868	PASS
			TN	VH	5785.02	3.457217	PASS
11A	Ant1	5825	TN	VL	5825	0	PASS
			TN	VN	5824.98	-3.433476	PASS
			TN	VH	5825.04	6.866953	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11N20	Ant1	5180	TN	VL	5180.045	8.687259	PASS
			TN	VN	5180.075	14.478764	PASS
			TN	VH	5180	0	PASS
11N20	Ant1	5200	TN	VL	5200	0	PASS
			TN	VN	5200.03	5.769231	PASS
			TN	VH	5200.075	14.423077	PASS
11N20	Ant1	5240	TN	VL	5239.91	-17.175573	PASS
			TN	VN	5240.06	11.450382	PASS
			TN	VH	5239.985	-2.862595	PASS
11N20	Ant1	5260	TN	VL	5260.03	5.703422	PASS
			TN	VN	5259.985	-2.851711	PASS
			TN	VH	5260.075	14.258555	PASS
11N20	Ant1	5280	TN	VL	5279.94	-11.363636	PASS
			TN	VN	5279.985	-2.840909	PASS
			TN	VH	5280.09	17.045455	PASS
11N20	Ant1	5320	TN	VL	5319.985	-2.819549	PASS
			TN	VN	5319.97	-5.639098	PASS
			TN	VH	5319.94	-11.278195	PASS
11N20	Ant1	5500	TN	VL	5500.015	2.727273	PASS
			TN	VN	5500.03	5.454545	PASS
			TN	VH	5500.045	8.181818	PASS
11N20	Ant1	5580	TN	VL	5580.03	5.376344	PASS

			TN	VN	5580.075	13.44086	PASS
			TN	VH	5580.03	5.376344	PASS
			TN	VL	5700	0	PASS
11N20	Ant1	5700	TN	VN	5700.06	10.526316	PASS
			TN	VH	5699.985	-2.631579	PASS
			TN	VL	5745	0	PASS
11N20	Ant1	5745	TN	VN	5745.06	-5.221932	PASS
			TN	VH	5745	7.832898	PASS

11N20	Ant1	5785	TN	VL	5784.985	-2.592913	PASS
			TN	VN	5785	0	PASS
			TN	VH	5785.03	5.185825	PASS
11N20	Ant1	5825	TN	VL	5824.97	-5.150215	PASS
			TN	VN	5825	0	PASS
			TN	VH	5825.06	10.300429	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11N40	Ant1	5190	TN	VL	5189.94	-11.560694	PASS
			TN	VN	5190.06	11.560694	PASS
			TN	VH	5189.97	-5.780347	PASS
11N40	Ant1	5230	TN	VL	5229.94	-11.472275	PASS
			TN	VN	5229.94	-11.472275	PASS
			TN	VH	5229.91	-17.208413	PASS
11N40	Ant1	5270	TN	VL	5270.06	11.385199	PASS
			TN	VN	5270	0	PASS
			TN	VH	5269.97	-5.6926	PASS
11N40	Ant1	5310	TN	VL	5309.94	-11.299435	PASS
			TN	VN	5309.97	-5.649718	PASS
			TN	VH	5310.03	5.649718	PASS
11N40	Ant1	5510	TN	VL	5510.09	16.333938	PASS

			TN	VN	5509.97	-5.444646	PASS
			TN	VH	5510.03	5.444646	PASS
11N40	Ant1	5550	TN	VL	5550	0	PASS
			TN	VN	5549.97	-5.405405	PASS
			TN	VH	5549.97	-5.405405	PASS
11N40	Ant1	5670	TN	VL	5670	0	PASS
			TN	VN	5670.06	10.582011	PASS
			TN	VH	5669.97	-5.291005	PASS
11N40	Ant1	5755	TN	VL	5755	0	PASS
			TN	VN	5755	0	PASS
			TN	VH	5755	0	PASS
11N40	Ant1	5795	TN	VL	5795	0	PASS
			TN	VN	5794.97	-5.176877	PASS
			TN	VH	5794.97	-5.176877	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC20	Ant1	5180	TN	VL	5179.98	-3.861004	PASS
			TN	VN	5180.06	11.583012	PASS
			TN	VH	5179.98	-3.861004	PASS
11AC20	Ant1	5200	TN	VL	5199.96	-7.692308	PASS
			TN	VN	5200.02	3.846154	PASS
			TN	VH	5199.9	-19.230769	PASS
11AC20	Ant1	5240	TN	VL	5240.1	19.083969	PASS
			TN	VN	5239.96	-7.633588	PASS
			TN	VH	5240.02	3.816794	PASS
11AC20	Ant1	5260	TN	VL	5259.985	-2.851711	PASS
			TN	VN	5259.985	-2.851711	PASS
			TN	VH	5259.91	-17.110266	PASS
11AC20	Ant1	5280	TN	VL	5280.015	2.840909	PASS
			TN	VN	5279.925	-14.204545	PASS
			TN	VH	5280.015	2.840909	PASS
	Ant1	5320	TN	VL	5319.925	-14.097744	PASS

			TN	VN	5319.91	-16.917293	PASS
			TN	VH	5319.985	-2.819549	PASS
11AC20	Ant1	5500	TN	VL	5499.925	-13.636364	PASS
			TN	VN	5499.985	-2.727273	PASS
			TN	VH	5499.925	-13.636364	PASS
11AC20	Ant1	5580	TN	VL	5580.09	16.129032	PASS
			TN	VN	5580.015	2.688172	PASS
			TN	VH	5579.925	-13.44086	PASS
11AC20	Ant1	5700	TN	VL	5700.03	5.263158	PASS
			TN	VN	5700.015	2.631579	PASS
			TN	VH	5700.075	13.157895	PASS
11AC20	Ant1	5745	TN	VL	5745.02	3.481288	PASS
			TN	VN	5745.02	3.481288	PASS
			TN	VH	5745.06	10.443864	PASS
11AC20	Ant1	5785	TN	VL	5784.94	-10.371651	PASS
			TN	VN	5785.04	6.914434	PASS
			TN	VH	5785	0	PASS
11AC20	Ant1	5825	TN	VL	5825.02	3.433476	PASS
			TN	VN	5825.06	10.300429	PASS
			TN	VH	5825	0	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC40	Ant1	5190	TN	VL	5190	0	PASS
			TN	VN	5190	0	PASS
			TN	VH	5190.04	7.707129	PASS
11AC40	Ant1	5230	TN	VL	5230.04	7.648184	PASS
			TN	VN	5230.04	7.648184	PASS
			TN	VH	5230.08	15.296367	PASS
11AC40	Ant1	5270	TN	VL	5270.08	15.180266	PASS
			TN	VN	5270.04	7.590133	PASS
			TN	VH	5270.08	15.180266	PASS
	Ant1	5310	TN	VL	5310	0	PASS

			TN	VN	5309.92	-15.065913	PASS
			TN	VH	5310	0	PASS
11AC40	Ant1	5510	TN	VL	5509.96	-7.259528	PASS
			TN	VN	5510.04	7.259528	PASS
			TN	VH	5510.08	14.519056	PASS
11AC40	Ant1	5550	TN	VL	5549.92	-14.414414	PASS
			TN	VN	5550.04	7.207207	PASS
			TN	VH	5549.96	-7.207207	PASS
11AC40	Ant1	5670	TN	VL	5670.04	7.054674	PASS
			TN	VN	5670.04	7.054674	PASS
			TN	VH	5670	0	PASS
11AC40	Ant1	5755	TN	VL	5755.08	13.900956	PASS
			TN	VN	5755.08	13.900956	PASS
			TN	VH	5755	0	PASS
11AC40	Ant1	5795	TN	VL	5795.08	13.805004	PASS
			TN	VN	5795.04	6.902502	PASS
			TN	VH	5795	0	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC80	Ant1	5210	TN	VL	5210	0	PASS
			TN	VN	5210	0	PASS
			TN	VH	5210	0	PASS
11AC80	Ant1	5290	TN	VL	5289.92	-15.122873	PASS
			TN	VN	5289.92	-15.122873	PASS
			TN	VH	5290.08	15.122873	PASS
11AC80	Ant1	5530	TN	VL	5529.92	-14.466546	PASS
			TN	VN	5529.92	-14.466546	PASS
			TN	VH	5529.92	-14.466546	PASS
11AC80	Ant1	5775	TN	VL	5775.08	13.852814	PASS
			TN	VN	5775	0	PASS
			TN	VH	5775.08	13.852814	PASS

Frequency Error vs. Temperature:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant1	5180	40	VN	5180.02	3.861004	PASS
			30	VN	5180	0	PASS
			20	VN	5179.96	-7.722008	PASS
			10	VN	5179.94	-11.583012	PASS
			0	VN	5180.04	7.722008	PASS
11A	Ant1	5200	40	VN	5199.92	-15.384615	PASS
			30	VN	5199.98	-3.846154	PASS
			20	VN	5200.02	3.846154	PASS
			10	VN	5199.96	-7.692308	PASS
			0	VN	5199.96	-7.692308	PASS
11A	Ant1	5240	40	VN	5240.06	11.450382	PASS
			30	VN	5239.96	-7.633588	PASS
			20	VN	5240.08	15.267176	PASS
			10	VN	5240.08	15.267176	PASS
			0	VN	5239.96	-7.633588	PASS
11A	Ant1	5260	40	VN	5260	0	PASS
			30	VN	5259.97	-5.703422	PASS
			20	VN	5259.955	-8.555133	PASS
			10	VN	5259.97	-5.703422	PASS
			0	VN	5260.015	2.851711	PASS
11A	Ant1	5280	40	VN	5280.03	5.681818	PASS
			30	VN	5279.97	-5.681818	PASS
			20	VN	5279.97	-5.681818	PASS
			10	VN	5280	0	PASS
			0	VN	5279.985	-2.840909	PASS
11A	Ant1	5320	40	VN	5320	0	PASS
			30	VN	5320.015	2.819549	PASS
			20	VN	5319.97	-5.639098	PASS
			10	VN	5319.925	-14.097744	PASS
			0	VN	5319.97	-5.639098	PASS

11A	Ant1	5500	40	VN	5500	0	PASS
			30	VN	5499.97	-5.454545	PASS
			20	VN	5500.045	8.181818	PASS
			10	VN	5499.94	-10.909091	PASS
			0	VN	5500	0	PASS
11A	Ant1	5580	40	VN	5580.06	10.752688	PASS
			30	VN	5579.925	-13.44086	PASS
			20	VN	5579.985	-2.688172	PASS
			10	VN	5579.985	-2.688172	PASS
			0	VN	5579.97	-5.376344	PASS
11A	Ant1	5700	40	VN	5700.03	5.263158	PASS
			30	VN	5700.03	5.263158	PASS
			20	VN	5699.985	-2.631579	PASS
			10	VN	5700.015	2.631579	PASS
			0	VN	5700	0	PASS
11A	Ant1	5745	40	VN	5745.08	13.925152	PASS
			30	VN	5745.02	3.481288	PASS
			20	VN	5745	0	PASS
			10	VN	5745.02	3.481288	PASS
			0	VN	5745.06	10.443864	PASS
11A	Ant1	5785	40	VN	5785.06	10.371651	PASS
			30	VN	5785.08	13.828868	PASS
			20	VN	5785.02	3.457217	PASS
			10	VN	5785.1	17.286085	PASS
			0	VN	5784.94	-10.371651	PASS
11A	Ant1	5825	40	VN	5825.04	6.866953	PASS
			30	VN	5825.02	3.433476	PASS
			20	VN	5825	0	PASS
			10	VN	5824.98	-3.433476	PASS
			0	VN	5825.08	13.733906	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11N20	Ant1	5180	40	VN	5180	0	PASS
			30	VN	5180.08	15.444015	PASS
			20	VN	5179.92	-15.444015	PASS
			10	VN	5179.96	-7.722008	PASS
			0	VN	5180	0	PASS
11N20	Ant1	5200	40	VN	5199.94	-11.538462	PASS
			30	VN	5200	0	PASS
			20	VN	5199.92	-15.384615	PASS
			10	VN	5199.96	-7.692308	PASS
			0	VN	5199.94	-11.538462	PASS
11N20	Ant1	5240	40	VN	5239.94	-11.450382	PASS
			30	VN	5240.06	11.450382	PASS
			20	VN	5239.98	-3.816794	PASS
			10	VN	5240.08	15.267176	PASS
			0	VN	5240.04	7.633588	PASS
11N20	Ant1	5260	40	VN	5260.03	5.703422	PASS
			30	VN	5260.015	2.851711	PASS
			20	VN	5260.015	2.851711	PASS
			10	VN	5259.91	-17.110266	PASS
			0	VN	5260	0	PASS
11N20	Ant1	5280	40	VN	5280.045	8.522727	PASS
			30	VN	5280.045	8.522727	PASS
			20	VN	5280.03	5.681818	PASS
			10	VN	5279.94	-11.363636	PASS
			0	VN	5279.97	-5.681818	PASS
11N20	Ant1	5320	40	VN	5320.06	11.278195	PASS
			30	VN	5320.015	2.819549	PASS
			20	VN	5319.91	-16.917293	PASS
			10	VN	5320	0	PASS
			0	VN	5320	0	PASS

11N20	Ant1	5500	40	VN	5499.985	-2.727273	PASS
			30	VN	5499.91	-16.363636	PASS
			20	VN	5499.94	-10.909091	PASS
			10	VN	5499.925	-13.636364	PASS
			0	VN	5499.91	-16.363636	PASS
11N20	Ant1	5580	40	VN	5580.03	5.376344	PASS
			30	VN	5580.015	2.688172	PASS
			20	VN	5579.97	-5.376344	PASS
			10	VN	5579.955	-8.064516	PASS
			0	VN	5579.955	-8.064516	PASS
11N20	Ant1	5700	40	VN	5700.045	7.894737	PASS
			30	VN	5700.03	5.263158	PASS
			20	VN	5699.97	-5.263158	PASS
			10	VN	5699.94	-10.526316	PASS
			0	VN	5700.045	7.894737	PASS
11N20	Ant1	5745	40	VN	5744.98	-3.481288	PASS
			30	VN	5745.06	10.443864	PASS
			20	VN	5745.02	3.481288	PASS
			10	VN	5745.02	3.481288	PASS
			0	VN	5745.04	6.962576	PASS
11N20	Ant1	5785	40	VN	5784.96	-6.914434	PASS
			30	VN	5784.92	-13.828868	PASS
			20	VN	5785.02	3.457217	PASS
			10	VN	5785	0	PASS
			0	VN	5785.08	13.828868	PASS
11N20	Ant1	5825	40	VN	5824.98	-3.433476	PASS
			30	VN	5824.98	-3.433476	PASS
			20	VN	5825.06	10.300429	PASS
			10	VN	5824.9	-17.167382	PASS
			0	VN	5825.1	17.167382	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11N40	Ant1	5190	40	VN	5190	0	PASS
			30	VN	5190	0	PASS
			20	VN	5190	0	PASS
			10	VN	5189.96	-7.707129	PASS
			0	VN	5190.04	7.707129	PASS
11N40	Ant1	5230	40	VN	5230	0	PASS
			30	VN	5229.96	-7.648184	PASS
			20	VN	5230	0	PASS
			10	VN	5230	0	PASS
			0	VN	5230	0	PASS
11N40	Ant1	5270	40	VN	5270.06	11.385199	PASS
			30	VN	5269.91	-17.077799	PASS
			20	VN	5270	0	PASS
			10	VN	5269.94	-11.385199	PASS
			0	VN	5270.03	5.6926	PASS
11N40	Ant1	5310	40	VN	5310	0	PASS
			30	VN	5310	0	PASS
			20	VN	5310	0	PASS
			10	VN	5309.97	-5.649718	PASS
			0	VN	5310	0	PASS
11N40	Ant1	5510	40	VN	5509.94	-10.889292	PASS
			30	VN	5509.94	-10.889292	PASS
			20	VN	5510	0	PASS
			10	VN	5510.03	5.444646	PASS
			0	VN	5509.91	-16.333938	PASS
11N40	Ant1	5550	40	VN	5549.94	-10.810811	PASS
			30	VN	5549.91	-16.216216	PASS
			20	VN	5550	0	PASS
			10	VN	5550.03	5.405405	PASS
			0	VN	5549.97	-5.405405	PASS

11N40	Ant1	5670	40	VN	5669.97	-5.291005	PASS
			30	VN	5670.03	5.291005	PASS
			20	VN	5670	0	PASS
			10	VN	5670.03	5.291005	PASS
			0	VN	5670	0	PASS
11N40	Ant1	5755	40	VN	5755	0	PASS
			30	VN	5755.04	6.950478	PASS
			20	VN	5754.96	-6.950478	PASS
			10	VN	5755.08	13.900956	PASS
			0	VN	5755.08	13.900956	PASS
11N40	Ant1	5795	40	VN	5795.04	6.902502	PASS
			30	VN	5794.96	-6.902502	PASS
			20	VN	5794.96	-6.902502	PASS
			10	VN	5794.92	-13.805004	PASS
			0	VN	5795.04	6.902502	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC20	Ant1	5180	40	VN	5179.98	-3.861004	PASS
			30	VN	5180	0	PASS
			20	VN	5179.98	-3.861004	PASS
			10	VN	5180.06	11.583012	PASS
			0	VN	5179.98	-3.861004	PASS
11AC20	Ant1	5200	40	VN	5200.08	15.384615	PASS
			30	VN	5200	0	PASS
			20	VN	5200.02	3.846154	PASS
			10	VN	5199.94	-11.538462	PASS
			0	VN	5199.96	-7.692308	PASS
11AC20	Ant1	5240	40	VN	5240	0	PASS
			30	VN	5240	0	PASS
			20	VN	5239.96	-7.633588	PASS
			10	VN	5239.98	-3.816794	PASS
			0	VN	5240	0	PASS

11AC20	Ant1	5260	40	VN	5259.94	-11.406844	PASS
			30	VN	5259.91	-17.110266	PASS
			20	VN	5259.895	-19.961977	PASS
			10	VN	5259.94	-11.406844	PASS
			0	VN	5260	0	PASS
11AC20	Ant1	5280	40	VN	5279.985	-2.840909	PASS
			30	VN	5279.955	-8.522727	PASS
			20	VN	5279.955	-8.522727	PASS
			10	VN	5280.015	2.840909	PASS
			0	VN	5280.06	11.363636	PASS
11AC20	Ant1	5320	40	VN	5320.03	5.639098	PASS
			30	VN	5320.09	16.917293	PASS
			20	VN	5319.955	-8.458647	PASS
			10	VN	5320.06	11.278195	PASS
			0	VN	5319.97	-5.639098	PASS
11AC20	Ant1	5500	40	VN	5500	0	PASS
			30	VN	5499.985	-2.727273	PASS
			20	VN	5499.985	-2.727273	PASS
			10	VN	5499.985	-2.727273	PASS
			0	VN	5500.03	5.454545	PASS
11AC20	Ant1	5580	40	VN	5579.97	-5.376344	PASS
			30	VN	5579.91	-16.129032	PASS
			20	VN	5579.97	-5.376344	PASS
			10	VN	5579.94	-10.752688	PASS
			0	VN	5579.955	-8.064516	PASS
11AC20	Ant1	5700	40	VN	5699.94	-10.526316	PASS
			30	VN	5700	0	PASS
			20	VN	5699.97	-5.263158	PASS
			10	VN	5700.015	2.631579	PASS
			0	VN	5700.015	2.631579	PASS
11AC20	Ant1	5745	40	VN	5744.96	-6.962576	PASS
			30	VN	5745	0	PASS

			20	VN	5745	0	PASS
			10	VN	5745.02	3.481288	PASS
			0	VN	5744.92	-13.925152	PASS
11AC20	Ant1	5785	40	VN	5784.96	-6.914434	PASS
			30	VN	5785.02	3.457217	PASS
			20	VN	5784.98	-3.457217	PASS
			10	VN	5785	0	PASS
			0	VN	5785.08	13.828868	PASS
11AC20	Ant1	5825	40	VN	5825	0	PASS
			30	VN	5824.96	-6.866953	PASS
			20	VN	5825.06	10.300429	PASS
			10	VN	5824.96	-6.866953	PASS
			0	VN	5825.08	13.733906	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC40	Ant1	5190	40	VN	5190	0	PASS
			30	VN	5190	0	PASS
			20	VN	5190	0	PASS
			10	VN	5190.08	15.414258	PASS
			0	VN	5189.96	-7.707129	PASS
11AC40	Ant1	5230	40	VN	5230.08	15.296367	PASS
			30	VN	5230.04	7.648184	PASS
			20	VN	5229.96	-7.648184	PASS
			10	VN	5230	0	PASS
			0	VN	5229.96	-7.648184	PASS
11AC40	Ant1	5270	40	VN	5269.94	-11.385199	PASS
			30	VN	5270.06	11.385199	PASS
			20	VN	5270	0	PASS
			10	VN	5270.03	5.6926	PASS
			0	VN	5269.97	-5.6926	PASS
11AC40	Ant1	5310	40	VN	5310.03	5.649718	PASS
			30	VN	5309.97	-5.649718	PASS

			20	VN	5310	0	PASS
			10	VN	5310	0	PASS
			0	VN	5310.03	5.649718	PASS
11AC40	Ant1	5510	40	VN	5510	0	PASS
			30	VN	5509.91	-16.333938	PASS
			20	VN	5510	0	PASS
			10	VN	5510	0	PASS
			0	VN	5510.03	5.444646	PASS
11AC40	Ant1	5550	40	VN	5550	0	PASS
			30	VN	5549.97	-5.405405	PASS
			20	VN	5550	0	PASS
			10	VN	5550.03	5.405405	PASS
			0	VN	5549.97	-5.405405	PASS
11AC40	Ant1	5670	40	VN	5670.06	10.582011	PASS
			30	VN	5670.09	15.873016	PASS
			20	VN	5670	0	PASS
			10	VN	5669.97	-5.291005	PASS
			0	VN	5669.97	-5.291005	PASS
11AC40	Ant1	5755	40	VN	5755.04	6.950478	PASS
			30	VN	5755.04	6.950478	PASS
			20	VN	5755	0	PASS
			10	VN	5755	0	PASS
			0	VN	5755.08	13.900956	PASS
11AC40	Ant1	5795	40	VN	5795	0	PASS
			30	VN	5795.08	13.805004	PASS
			20	VN	5795.04	6.902502	PASS
			10	VN	5795	0	PASS
			0	VN	5795.04	6.902502	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC80	Ant1	5210	40	VN	5210	0	PASS
			30	VN	5210.08	15.355086	PASS

			20	VN	5210	0	PASS
			10	VN	5209.92	-15.355086	PASS
			0	VN	5209.92	-15.355086	PASS
11AC80	Ant1	5290	40	VN	5289.92	-15.122873	PASS
			30	VN	5290	0	PASS
			20	VN	5289.92	-15.122873	PASS
			10	VN	5289.92	-15.122873	PASS
			0	VN	5290	0	PASS
			11AC80	Ant1	5530	40	VN
30	VN	5529.92				-14.466546	PASS
20	VN	5530				0	PASS
10	VN	5530.08				14.466546	PASS
0	VN	5530				0	PASS
11AC80	Ant1	5775				40	VN
			30	VN	5775.08	13.852814	PASS
			20	VN	5775.08	13.852814	PASS
			10	VN	5775	0	PASS
			0	VN	5775	0	PASS

Ant 2:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant2	5180	TN	VL	5179.96	-7.722008	PASS
			TN	VN	5179.98	-3.861004	PASS
			TN	VH	5179.98	-3.861004	PASS
11A	Ant2	5200	TN	VL	5199.96	-7.692308	PASS
			TN	VN	5199.96	-7.692308	PASS
			TN	VH	5200	0	PASS
11A	Ant2	5240	TN	VL	5240	0	PASS
			TN	VN	5239.96	-7.633588	PASS
			TN	VH	5240	0	PASS
11A	Ant2	5260	TN	VL	5260	0	PASS
			TN	VN	5260	0	PASS
			TN	VH	5260.015	2.851711	PASS
11A	Ant2	5280	TN	VL	5279.985	-2.840909	PASS
			TN	VN	5280	0	PASS
			TN	VH	5279.97	-5.681818	PASS
11A	Ant2	5320	TN	VL	5319.955	-8.458647	PASS
			TN	VN	5319.985	-2.819549	PASS
			TN	VH	5319.985	-2.819549	PASS
11A	Ant2	5500	TN	VL	5499.97	-5.454545	PASS
			TN	VN	5499.955	-8.181818	PASS
			TN	VH	5499.955	-8.181818	PASS
11A	Ant2	5580	TN	VL	5579.985	-2.688172	PASS
			TN	VN	5580.045	8.064516	PASS
			TN	VH	5579.985	-2.688172	PASS
11A	Ant2	5700	TN	VL	5700.045	7.894737	PASS
			TN	VN	5700.015	2.631579	PASS
			TN	VH	5699.985	-2.631579	PASS
11A	Ant2	5745	TN	VL	5745	0	PASS
			TN	VN	5745.08	13.925152	PASS
			TN	VH	5745.04	6.962576	PASS

11A	Ant2	5785	TN	VL	5784.96	-6.914434	PASS
			TN	VN	5784.96	-6.914434	PASS
			TN	VH	5785	0	PASS
11A	Ant2	5825	TN	VL	5824.98	-3.433476	PASS
			TN	VN	5825	0	PASS
			TN	VH	5824.98	-3.433476	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11N20	Ant2	5180	TN	VL	5180.1	19.305019	PASS
			TN	VN	5180.08	15.444015	PASS
			TN	VH	5180.02	3.861004	PASS
11N20	Ant2	5200	TN	VL	5200.04	7.692308	PASS
			TN	VN	5199.98	-3.846154	PASS
			TN	VH	5200.02	3.846154	PASS
11N20	Ant2	5240	TN	VL	5240.02	3.816794	PASS
			TN	VN	5239.96	-7.633588	PASS
			TN	VH	5240.02	3.816794	PASS
11N20	Ant2	5260	TN	VL	5259.985	-2.851711	PASS
			TN	VN	5260.015	2.851711	PASS
			TN	VH	5260.045	8.555133	PASS
11N20	Ant2	5280	TN	VL	5279.985	-2.840909	PASS
			TN	VN	5280.045	8.522727	PASS
			TN	VH	5280.015	2.840909	PASS
11N20	Ant2	5320	TN	VL	5320.075	14.097744	PASS
			TN	VN	5320.03	5.639098	PASS
			TN	VH	5320.06	11.278195	PASS
11N20	Ant2	5500	TN	VL	5499.985	-2.727273	PASS
			TN	VN	5499.94	-10.909091	PASS
			TN	VH	5499.985	-2.727273	PASS
11N20	Ant2	5580	TN	VL	5580	0	PASS
			TN	VN	5580.015	2.688172	PASS

			TN	VH	5579.985	-2.688172	PASS
11N20	Ant2	5700	TN	VL	5699.97	-5.263158	PASS
			TN	VN	5699.97	-5.263158	PASS
			TN	VH	5700	0	PASS
11N20	Ant2	5745	TN	VL	5745.02	3.481288	PASS
			TN	VN	5745.08	0	PASS
			TN	VH	5745.04	0	PASS

11N20	Ant2	5785	TN	VL	5784.98	-3.457217	PASS
			TN	VN	5785.02	3.457217	PASS
			TN	VH	5785.02	3.457217	PASS
11N20	Ant2	5825	TN	VL	5824.96	-6.866953	PASS
			TN	VN	5825.02	3.433476	PASS
			TN	VH	5825	0	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11N40	Ant2	5190	TN	VL	5190.04	7.707129	PASS
			TN	VN	5190.04	7.707129	PASS
			TN	VH	5190	0	PASS
11N40	Ant2	5230	TN	VL	5230	0	PASS
			TN	VN	5230	0	PASS
			TN	VH	5229.96	-7.648184	PASS
11N40	Ant2	5270	TN	VL	5270.03	5.6926	PASS
			TN	VN	5270	0	PASS
			TN	VH	5269.94	-11.385199	PASS
11N40	Ant2	5310	TN	VL	5310	0	PASS
			TN	VN	5310.06	11.299435	PASS
			TN	VH	5310	0	PASS
11N40	Ant2	5510	TN	VL	5509.91	-16.333938	PASS
			TN	VN	5510	0	PASS

			TN	VH	5510.03	5.444646	PASS
11N40	Ant2	5550	TN	VL	5550.03	5.405405	PASS
			TN	VN	5549.97	-5.405405	PASS
			TN	VH	5549.97	-5.405405	PASS
			TN	VL	5669.97	-5.291005	PASS
11N40	Ant2	5670	TN	VN	5669.97	-5.291005	PASS
			TN	VH	5669.97	-5.291005	PASS
			TN	VL	5755.04	6.950478	PASS
11N40	Ant2	5755	TN	VN	5755.04	6.950478	PASS
			TN	VH	5755.04	6.950478	PASS
			TN	VL	5795.04	6.902502	PASS
11N40	Ant2	5795	TN	VN	5795.04	6.902502	PASS
			TN	VH	5795	0	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC20	Ant2	5180	TN	VL	5179.94	-11.583012	PASS
			TN	VN	5179.96	-7.722008	PASS
			TN	VH	5179.94	-11.583012	PASS
11AC20	Ant2	5200	TN	VL	5200.02	3.846154	PASS
			TN	VN	5199.92	-15.384615	PASS
			TN	VH	5199.98	-3.846154	PASS
11AC20	Ant2	5240	TN	VL	5239.98	-3.816794	PASS
			TN	VN	5240.02	3.816794	PASS
			TN	VH	5240	0	PASS
11AC20	Ant2	5260	TN	VL	5260.04	7.604563	PASS
			TN	VN	5259.97	-5.703422	PASS
			TN	VH	5260.03	5.703422	PASS
11AC20	Ant2	5280	TN	VL	5279.96	-7.575758	PASS
			TN	VN	5279.985	-2.840909	PASS
			TN	VH	5279.985	-2.840909	PASS
11AC20	Ant2	5320	TN	VL	5319.96	-7.518797	PASS
			TN	VN	5319.94	-11.278195	PASS

			TN	VH	5320.015	2.819549	PASS
11AC20	Ant2	5500	TN	VL	5499.97	-5.454545	PASS
			TN	VN	5499.97	-5.454545	PASS
			TN	VH	5499.9	-18.181818	PASS
			TN	VL	5579.955	-8.064516	PASS
11AC20	Ant2	5580	TN	VN	5579.985	-2.688172	PASS
			TN	VH	5579.94	-10.752688	PASS
			TN	VL	5699.97	-5.263158	PASS
11AC20	Ant2	5700	TN	VN	5700.015	2.631579	PASS
			TN	VH	5699.94	-10.526316	PASS
			TN	VL	5745.06	10.443864	PASS
11AC20	Ant2	5745	TN	VN	5744.98	-3.481288	PASS
			TN	VH	5745.04	6.962576	PASS
			TN	VL	5785.02	3.457217	PASS
11AC20	Ant2	5785	TN	VN	5785.04	6.914434	PASS
			TN	VH	5785.06	10.371651	PASS
			TN	VL	5825.02	3.433476	PASS
11AC20	Ant2	5825	TN	VN	5824.96	-6.866953	PASS
			TN	VH	5824.94	-10.300429	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC40	Ant2	5190	TN	VL	5190	0	PASS
			TN	VN	5190	0	PASS
			TN	VH	5189.96	-7.707129	PASS
11AC40	Ant2	5230	TN	VL	5230.08	15.296367	PASS
			TN	VN	5229.96	-7.648184	PASS
			TN	VH	5230.04	7.648184	PASS
11AC40	Ant2	5270	TN	VL	5270.04	7.590133	PASS
			TN	VN	5270	0	PASS
			TN	VH	5270	0	PASS
11AC40	Ant2	5310	TN	VL	5309.96	-7.532957	PASS
			TN	VN	5310.08	15.065913	PASS

			TN	VH	5310.04	7.532957	PASS
11AC40	Ant2	5510	TN	VL	5509.96	-7.259528	PASS
			TN	VN	5509.96	-7.259528	PASS
			TN	VH	5510	0	PASS
11AC40	Ant2	5550	TN	VL	5549.96	-7.207207	PASS
			TN	VN	5550.06	7.532957	PASS
			TN	VH	5550.04	7.207207	PASS
11AC40	Ant2	5670	TN	VL	5670	0	PASS
			TN	VN	5670	0	PASS
			TN	VH	5669.96	-7.054674	PASS
11AC40	Ant2	5755	TN	VL	5755.08	13.900956	PASS
			TN	VN	5755.08	13.900956	PASS
			TN	VH	5755.04	6.950478	PASS
11AC40	Ant2	5795	TN	VL	5795	0	PASS
			TN	VN	5795.04	6.902502	PASS
			TN	VH	5794.92	-13.805004	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC80	Ant2	5210	TN	VL	5210	0	PASS
			TN	VN	5210	0	PASS
			TN	VH	5209.92	-15.355086	PASS
11AC80	Ant2	5290	TN	VL	5289.92	-15.122873	PASS
			TN	VN	5289.92	-15.122873	PASS
			TN	VH	5290	0	PASS
11AC80	Ant2	5530	TN	VL	5530	0	PASS
			TN	VN	5530	0	PASS
			TN	VH	5529.92	-14.466546	PASS
11AC80	Ant2	5775	TN	VL	5775	0	PASS
			TN	VN	5775.08	13.852814	PASS
			TN	VH	5775.08	13.852814	PASS

Frequency Error vs. Temperature:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant2	5180	40	VN	5180.06	11.583012	PASS
			30	VN	5180	0	PASS
			20	VN	5179.94	-11.583012	PASS
			10	VN	5180	0	PASS
			0	VN	5180.02	3.861004	PASS
11A	Ant2	5200	40	VN	5199.98	-3.846154	PASS
			30	VN	5200	0	PASS
			20	VN	5199.94	-11.538462	PASS
			10	VN	5200.06	11.538462	PASS
			0	VN	5200.02	3.846154	PASS
11A	Ant2	5240	40	VN	5240.04	7.633588	PASS
			30	VN	5240.04	7.633588	PASS
			20	VN	5240.06	11.450382	PASS
			10	VN	5239.98	-3.816794	PASS
			0	VN	5239.98	-3.816794	PASS
11A	Ant2	5260	40	VN	5260.03	5.703422	PASS
			30	VN	5259.985	-2.851711	PASS
			20	VN	5260	0	PASS
			10	VN	5259.97	-5.703422	PASS
			0	VN	5259.925	-14.258555	PASS
11A	Ant2	5280	40	VN	5280.06	11.363636	PASS
			30	VN	5279.94	-11.363636	PASS
			20	VN	5279.97	-5.681818	PASS
			10	VN	5279.955	-8.522727	PASS
			0	VN	5280.015	2.840909	PASS
11A	Ant2	5320	40	VN	5320.03	5.639098	PASS
			30	VN	5320	0	PASS
			20	VN	5319.97	-5.639098	PASS
			10	VN	5320	0	PASS
			0	VN	5319.985	-2.819549	PASS

11A	Ant2	5500	40	VN	5499.97	-5.454545	PASS
			30	VN	5499.94	-10.909091	PASS
			20	VN	5499.985	-2.727273	PASS
			10	VN	5500.015	2.727273	PASS
			0	VN	5500.015	2.727273	PASS
11A	Ant2	5580	40	VN	5579.97	-5.376344	PASS
			30	VN	5579.97	-5.376344	PASS
			20	VN	5580.015	2.688172	PASS
			10	VN	5579.955	-8.064516	PASS
			0	VN	5579.97	-5.376344	PASS
11A	Ant2	5700	40	VN	5700.06	10.526316	PASS
			30	VN	5700	0	PASS
			20	VN	5700.015	2.631579	PASS
			10	VN	5700.015	2.631579	PASS
			0	VN	5699.97	-5.263158	PASS
11A	Ant2	5745	40	VN	5744.98	-3.481288	PASS
			30	VN	5745.02	3.481288	PASS
			20	VN	5745.04	6.962576	PASS
			10	VN	5745.08	13.925152	PASS
			0	VN	5745	0	PASS
11A	Ant2	5785	40	VN	5784.98	-3.457217	PASS
			30	VN	5784.98	-3.457217	PASS
			20	VN	5785	0	PASS
			10	VN	5785	0	PASS
			0	VN	5784.96	-6.914434	PASS
11A	Ant2	5825	40	VN	5825.02	3.433476	PASS
			30	VN	5825.04	6.866953	PASS
			20	VN	5825.04	6.866953	PASS
			10	VN	5824.98	-3.433476	PASS
			0	VN	5824.92	-13.733906	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11N20	Ant2	5180	40	VN	5180.06	11.583012	PASS
			30	VN	5180	0	PASS
			20	VN	5180	0	PASS
			10	VN	5180.1	19.305019	PASS
			0	VN	5180.02	3.861004	PASS
11N20	Ant2	5200	40	VN	5200	0	PASS
			30	VN	5199.98	-3.846154	PASS
			20	VN	5200.04	7.692308	PASS
			10	VN	5200.04	7.692308	PASS
			0	VN	5200.04	7.692308	PASS
11N20	Ant2	5240	40	VN	5240.02	3.816794	PASS
			30	VN	5240	0	PASS
			20	VN	5240.08	15.267176	PASS
			10	VN	5240.06	11.450382	PASS
			0	VN	5240	0	PASS
11N20	Ant2	5260	40	VN	5259.985	-2.851711	PASS
			30	VN	5259.97	-5.703422	PASS
			20	VN	5259.985	-2.851711	PASS
			10	VN	5260	0	PASS
			0	VN	5259.94	-11.406844	PASS
11N20	Ant2	5280	40	VN	5279.97	-5.681818	PASS
			30	VN	5279.985	-2.840909	PASS
			20	VN	5279.97	-5.681818	PASS
			10	VN	5279.985	-2.840909	PASS
			0	VN	5279.925	-14.204545	PASS
11N20	Ant2	5320	40	VN	5319.955	-8.458647	PASS
			30	VN	5319.925	-14.097744	PASS
			20	VN	5319.94	-11.278195	PASS
			10	VN	5319.97	-5.639098	PASS
			0	VN	5319.94	-11.278195	PASS

11N20	Ant2	5500	40	VN	5499.955	-8.181818	PASS
			30	VN	5500.015	2.727273	PASS
			20	VN	5499.97	-5.454545	PASS
			10	VN	5499.955	-8.181818	PASS
			0	VN	5500.045	8.181818	PASS
11N20	Ant2	5580	40	VN	5580	0	PASS
			30	VN	5580	0	PASS
			20	VN	5579.91	-16.129032	PASS
			10	VN	5579.985	-2.688172	PASS
			0	VN	5579.955	-8.064516	PASS
11N20	Ant2	5700	40	VN	5699.985	-2.631579	PASS
			30	VN	5699.955	-7.894737	PASS
			20	VN	5699.97	-5.263158	PASS
			10	VN	5700	0	PASS
			0	VN	5700	0	PASS
11N20	Ant2	5745	40	VN	5745.06	10.443864	PASS
			30	VN	5744.98	-3.481288	PASS
			20	VN	5745.1	17.40644	PASS
			10	VN	5744.96	-6.962576	PASS
			0	VN	5745.06	10.443864	PASS
11N20	Ant2	5785	40	VN	5784.94	-10.371651	PASS
			30	VN	5784.98	-3.457217	PASS
			20	VN	5784.94	-10.371651	PASS
			10	VN	5784.96	-6.914434	PASS
			0	VN	5785.04	6.914434	PASS
11N20	Ant2	5825	40	VN	5825.02	3.433476	PASS
			30	VN	5824.92	-13.733906	PASS
			20	VN	5824.94	-10.300429	PASS
			10	VN	5825	0	PASS
			0	VN	5825.02	3.433476	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11N40	Ant2	5190	40	VN	5190.04	7.707129	PASS
			30	VN	5189.92	-15.414258	PASS
			20	VN	5190.04	7.707129	PASS
			10	VN	5190	0	PASS
			0	VN	5190	0	PASS
11N40	Ant2	5230	40	VN	5230	0	PASS
			30	VN	5230	0	PASS
			20	VN	5230.08	15.296367	PASS
			10	VN	5230	0	PASS
			0	VN	5230	0	PASS
11N40	Ant2	5270	40	VN	5270.03	5.6926	PASS
			30	VN	5269.97	-5.6926	PASS
			20	VN	5270	0	PASS
			10	VN	5269.94	-11.385199	PASS
			0	VN	5269.97	-5.6926	PASS
11N40	Ant2	5310	40	VN	5310	0	PASS
			30	VN	5310	0	PASS
			20	VN	5310	0	PASS
			10	VN	5309.94	-11.299435	PASS
			0	VN	5309.97	-5.649718	PASS
11N40	Ant2	5510	40	VN	5509.97	-5.444646	PASS
			30	VN	5509.94	-10.889292	PASS
			20	VN	5510	0	PASS
			10	VN	5510	0	PASS
			0	VN	5510	0	PASS
11N40	Ant2	5550	40	VN	5549.94	-10.810811	PASS
			30	VN	5549.91	-16.216216	PASS
			20	VN	5550	0	PASS
			10	VN	5549.94	-10.810811	PASS
			0	VN	5549.94	-10.810811	PASS

11N40	Ant2	5670	40	VN	5670.03	5.291005	PASS
			30	VN	5670.03	5.291005	PASS
			20	VN	5670	0	PASS
			10	VN	5669.94	-10.582011	PASS
			0	VN	5670	0	PASS
11N40	Ant2	5755	40	VN	5754.96	-6.950478	PASS
			30	VN	5754.96	-6.950478	PASS
			20	VN	5755	0	PASS
			10	VN	5755.04	6.950478	PASS
			0	VN	5755.04	6.950478	PASS
11N40	Ant2	5795	40	VN	5795.04	6.902502	PASS
			30	VN	5795	0	PASS
			20	VN	5795	0	PASS
			10	VN	5795	0	PASS
			0	VN	5795.04	6.902502	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC20	Ant2	5180	40	VN	5179.9	-19.305019	PASS
			30	VN	5179.9	-19.305019	PASS
			20	VN	5179.9	-19.305019	PASS
			10	VN	5179.9	-19.305019	PASS
			0	VN	5179.92	-15.444015	PASS
11AC20	Ant2	5200	40	VN	5199.92	-15.384615	PASS
			30	VN	5199.9	-19.230769	PASS
			20	VN	5199.96	-7.692308	PASS
			10	VN	5199.92	-15.384615	PASS
			0	VN	5200	0	PASS
11AC20	Ant2	5240	40	VN	5239.92	-15.267176	PASS
			30	VN	5239.96	-7.633588	PASS
			20	VN	5239.94	-11.450382	PASS
			10	VN	5239.98	-3.816794	PASS
			0	VN	5239.92	-15.267176	PASS

11AC20	Ant2	5260	40	VN	5260.02	3.802281	PASS
			30	VN	5259.96	-7.604563	PASS
			20	VN	5260.02	3.802281	PASS
			10	VN	5259.98	-3.802281	PASS
			0	VN	5259.98	-3.802281	PASS
11AC20	Ant2	5280	40	VN	5279.94	-11.363636	PASS
			30	VN	5279.92	-15.151515	PASS
			20	VN	5279.94	-11.363636	PASS
			10	VN	5279.94	-11.363636	PASS
			0	VN	5279.9	-18.939394	PASS
11AC20	Ant2	5320	40	VN	5319.94	-11.278195	PASS
			30	VN	5319.94	-11.278195	PASS
			20	VN	5319.9	-18.796992	PASS
			10	VN	5319.98	-3.759398	PASS
			0	VN	5320	0	PASS
11AC20	Ant2	5500	40	VN	5499.96	-7.272727	PASS
			30	VN	5500.02	3.636364	PASS
			20	VN	5499.98	-3.636364	PASS
			10	VN	5499.92	-14.545455	PASS
			0	VN	5500	0	PASS
11AC20	Ant2	5580	40	VN	5580	0	PASS
			30	VN	5580.02	3.584229	PASS
			20	VN	5579.98	-3.584229	PASS
			10	VN	5579.96	-7.168459	PASS
			0	VN	5579.98	-3.584229	PASS
11AC20	Ant2	5700	40	VN	5699.94	-10.526316	PASS
			30	VN	5700.02	3.508772	PASS
			20	VN	5699.9	-17.54386	PASS
			10	VN	5699.98	-3.508772	PASS
			0	VN	5700	0	PASS
11AC20	Ant2	5745	50	VN	5744.9	-17.40644	PASS
			40	VN	5744.98	-3.481288	PASS

			30	VN	5744.92	-13.925152	PASS
			20	VN	5744.94	-10.443864	PASS
			10	VN	5744.92	-13.925152	PASS
11AC20	Ant2	5785	40	VN	5784.96	-6.914434	PASS
			30	VN	5784.92	-13.828868	PASS
			20	VN	5784.92	-13.828868	PASS
			10	VN	5784.9	-17.286085	PASS
			0	VN	5784.98	-3.457217	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC40	Ant2	5190	40	VN	5189.92	-15.414258	PASS
			30	VN	5190	0	PASS
			20	VN	5189.96	-7.707129	PASS
			10	VN	5189.92	-15.414258	PASS
			0	VN	5189.92	-15.414258	PASS
11AC40	Ant2	5230	40	VN	5229.92	-15.296367	PASS
			30	VN	5229.92	-15.296367	PASS
			20	VN	5229.92	-15.296367	PASS
			10	VN	5229.92	-15.296367	PASS
			0	VN	5229.96	-7.648184	PASS
11AC40	Ant2	5270	40	VN	5269.96	-7.590133	PASS
			30	VN	5270.04	7.590133	PASS
			20	VN	5270.04	7.590133	PASS
			10	VN	5269.96	-7.590133	PASS
			0	VN	5269.96	-7.590133	PASS
11AC40	Ant2	5310	40	VN	5309.96	-7.532957	PASS
			30	VN	5310	0	PASS
			20	VN	5309.96	-7.532957	PASS
			10	VN	5309.96	-7.532957	PASS
			0	VN	5309.96	-7.532957	PASS
11AC40	Ant2	5510	40	VN	5509.92	-14.519056	PASS
			30	VN	5509.96	-7.259528	PASS

			20	VN	5509.96	-7.259528	PASS
			10	VN	5509.96	-7.259528	PASS
			0	VN	5509.92	-14.519056	PASS
11AC40	Ant2	5550	40	VN	5550.04	7.207207	PASS
			30	VN	5549.96	-7.207207	PASS
			20	VN	5549.96	-7.207207	PASS
			10	VN	5549.96	-7.207207	PASS
			0	VN	5549.96	-7.207207	PASS
11AC40	Ant2	5670	40	VN	5670	0	PASS
			30	VN	5669.96	-7.054674	PASS
			20	VN	5670.04	7.054674	PASS
			10	VN	5670	0	PASS
			0	VN	5669.96	-7.054674	PASS
11AC40	Ant2	5755	40	VN	5755.08	13.900956	PASS
			30	VN	5755.04	6.950478	PASS
			20	VN	5755.08	13.900956	PASS
			10	VN	5755.04	6.950478	PASS
			0	VN	5755.04	6.950478	PASS
11AC40	Ant2	5795	40	VN	5795	0	PASS
			30	VN	5795	0	PASS
			20	VN	5794.96	-6.902502	PASS
			10	VN	5795	0	PASS
			0	VN	5795.08	13.805004	PASS

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11AC80	Ant2	5210	40	VN	5210	0	PASS
			30	VN	5210	0	PASS
			20	VN	5210	0	PASS
			10	VN	5209.92	-15.355086	PASS
			0	VN	5210.08	15.355086	PASS
11AC80	Ant2	5290	40	VN	5289.92	-15.122873	PASS
			30	VN	5290	0	PASS

			20	VN	5289.92	-15.122873	PASS
			10	VN	5289.92	-15.122873	PASS
			0	VN	5290	0	PASS
11AC80	Ant2	5530	40	VN	5530.05	9.041591	PASS
			30	VN	5530	0	PASS
			20	VN	5530	0	PASS
			10	VN	5529.97	-5.424955	PASS
			0	VN	5529.97	-5.424955	PASS
11AC80	Ant2	5775	40	VN	5775	0	PASS
			30	VN	5774.92	-13.852814	PASS
			20	VN	5775.08	13.852814	PASS
			10	VN	5775.08	13.852814	PASS
			0	VN	5775	0	PASS

Appendix F) Antenna Requirement

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.407(a)(1) (2) requirement:

The conducted output power limit specified in paragraph (a) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (a) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:



The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 4.64dBi.

Appendix G) Operation in the absence of information to the transmit

15.407(c) requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signal ling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

Operation in the absence of information to the transmit

Operation never ceases as information from cell town is always present. (manufacturer declare)

Appendix H) AC Power Line Conducted Emission

<p>Test Procedure:</p>	<p>Test frequency range :150KHz-30MHz</p> <ol style="list-style-type: none"> 1)The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement. 														
<p>Limit:</p>	<table border="1" data-bbox="497 1173 1366 1391"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBμV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz. NOTE : The lower limit is applicable at the transition frequency</p>	Frequency range (MHz)	Limit (dB μ V)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dB μ V)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													

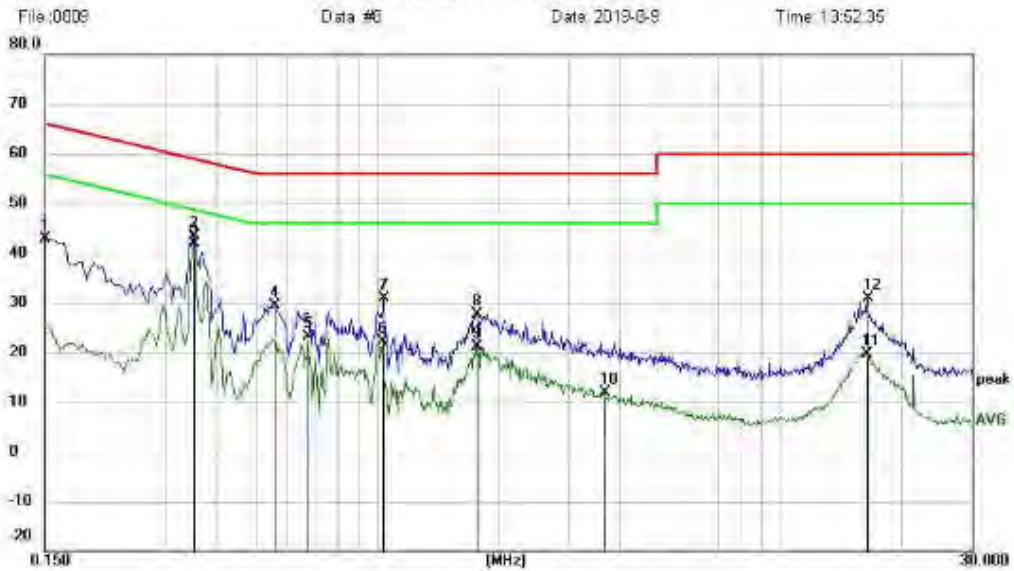
Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live line:

Conducted Emission Measurement



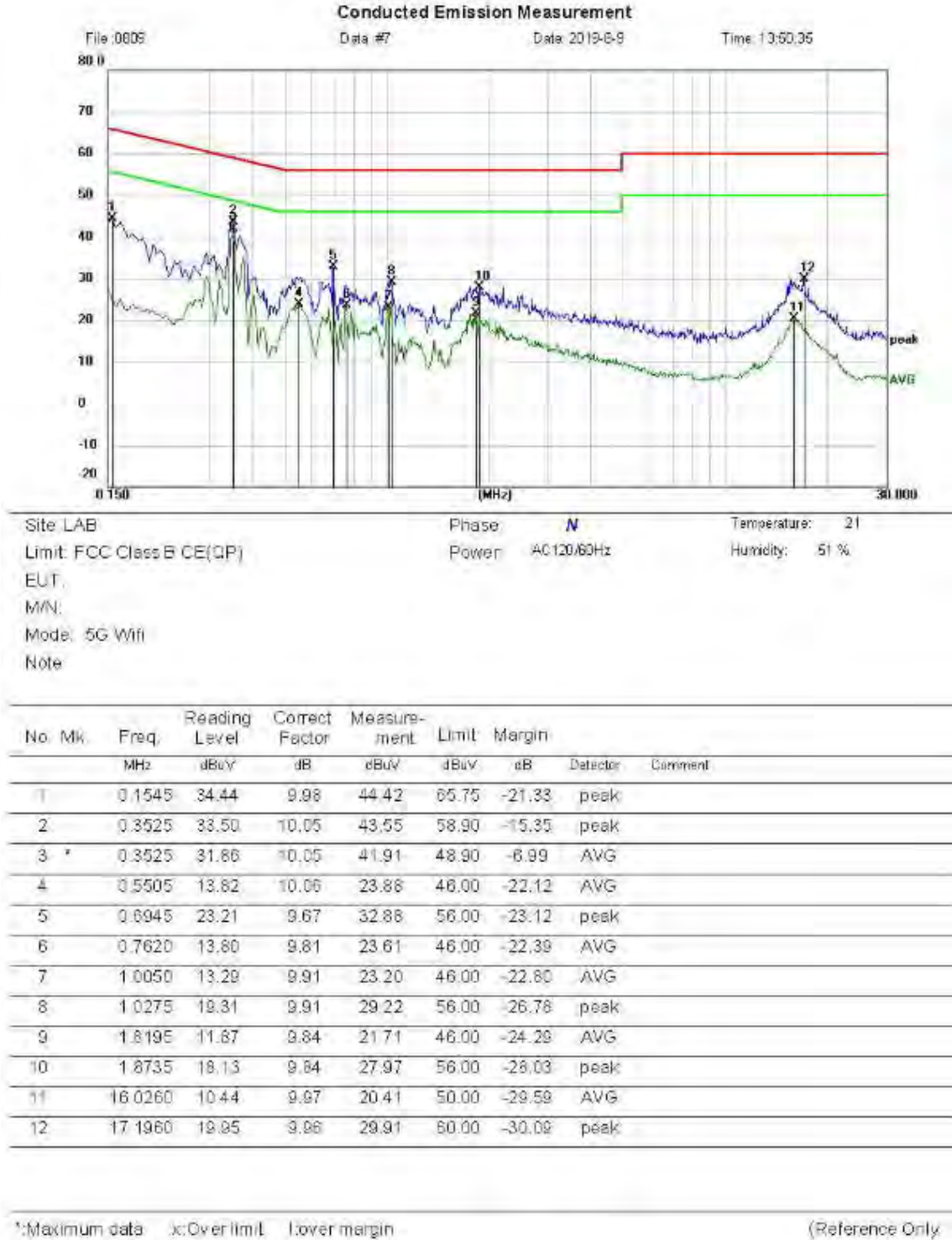
File:0009 Data #6 Date: 2019-8-9 Time: 13:52:35

Site: LAB Phase: **L1** Temperature: 21
 Limit: FCC Class B CE(QP) Power: AC120/60Hz Humidity: 51 %
 EUT:
 M/N:
 Mode: 5G_Wifi
 Note

No.	Mk.	Freq MHz	Reading Level dBμV	Correct Factor dB	Measure- ment dBμV	Limit dBμV	Margin dB	Detector	Comment
1		0.1500	32.87	9.97	42.84	66.00	-23.16	peak	
2		0.3525	33.37	10.05	43.42	58.90	-15.48	peak	
3	*	0.3525	31.71	10.05	41.76	48.90	-7.14	AVG	
4		0.5595	19.19	10.07	29.26	56.00	-26.74	peak	
5		0.6765	13.43	9.75	23.18	46.00	-22.82	AVG	
6		1.0320	12.17	9.91	22.06	46.00	-23.92	AVG	
7		1.0410	20.87	9.91	30.78	56.00	-25.22	peak	
8		1.7655	17.87	9.85	27.72	56.00	-28.28	peak	
9		1.7655	11.22	9.85	21.07	46.00	-24.93	AVG	
10		3.6915	2.11	9.83	11.94	46.00	-34.06	AVG	
11		16.4444	9.68	9.97	19.65	50.00	-30.35	AVG	
12		16.5390	20.86	9.98	30.82	60.00	-29.18	peak	

*Maximum data x:Over limit l:over margin (Reference Only)

Neutral line:



Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

Appendix I) Restricted bands around fundamental frequency (Radiated Emission)

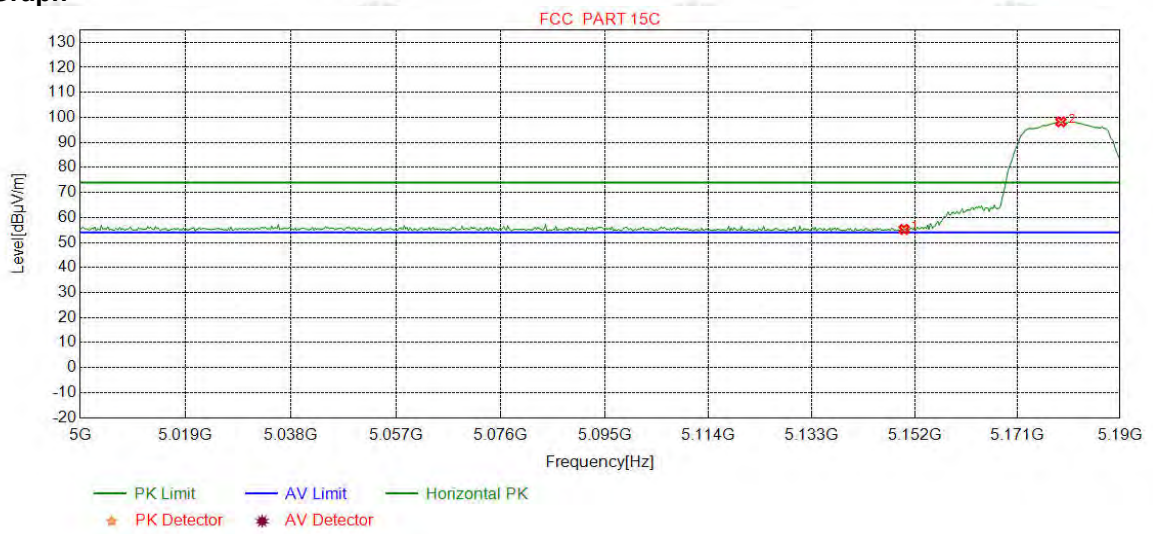
Receiver Setup:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>30MHz-1GHz</td> <td>Quasi-peak</td> <td>120kHz</td> <td>300kHz</td> <td>Quasi-peak</td> </tr> <tr> <td rowspan="2">Above 1GHz</td> <td>Peak</td> <td>1MHz</td> <td>3MHz</td> <td>Peak</td> </tr> <tr> <td>Peak</td> <td>1MHz</td> <td>10Hz</td> <td>Average</td> </tr> </tbody> </table>	Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak	Above 1GHz	Peak	1MHz	3MHz	Peak	Peak	1MHz	10Hz	Average	
Frequency	Detector	RBW	VBW	Remark																	
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak																	
Above 1GHz	Peak	1MHz	3MHz	Peak																	
	Peak	1MHz	10Hz	Average																	
Test Procedure:	<p>Below 1GHz test procedure as below:</p> <ol style="list-style-type: none"> The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel <p>Above 1GHz test procedure as below:</p> <ol style="list-style-type: none"> Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre). Test the EUT in the lowest channel , the Highest channel The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. Repeat above procedures until all frequencies measured was complete. 																				
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Limit (dBμV/m @3cm)</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>30MHz-88MHz</td> <td>40.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td>88MHz-216MHz</td> <td>43.5</td> <td>Quasi-peak Value</td> </tr> <tr> <td>216MHz-960MHz</td> <td>46.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td>960MHz-1GHz</td> <td>54.0</td> <td>Quasi-peak Value</td> </tr> <tr> <td rowspan="2">Above 1GHz</td> <td>54.0</td> <td>Average Value</td> </tr> <tr> <td>74.0</td> <td>Peak Value</td> </tr> </tbody> </table>	Frequency	Limit (dB μ V/m @3cm)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value	74.0	Peak Value
Frequency	Limit (dB μ V/m @3cm)	Remark																			
30MHz-88MHz	40.0	Quasi-peak Value																			
88MHz-216MHz	43.5	Quasi-peak Value																			
216MHz-960MHz	46.0	Quasi-peak Value																			
960MHz-1GHz	54.0	Quasi-peak Value																			
Above 1GHz	54.0	Average Value																			
	74.0	Peak Value																			

Test plot as follows:

For U-NII-1 band Ant1

Mode:	802.11 a(HT20) Transmitting	Channel:	5180
Remark:			

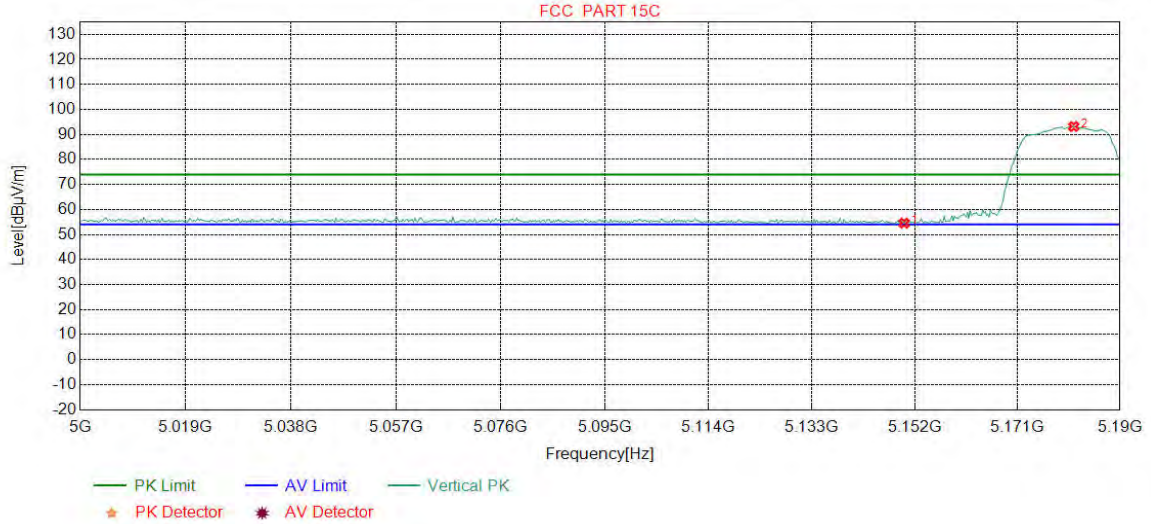
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	46.05	55.24	74.00	18.76	Pass	Horizontal	Peak
2	5179.0613	34.68	15.36	-40.55	88.73	98.22	74.00	-24.22	Pass	Horizontal	Peak

Mode:	802.11 a(HT20) Transmitting	Channel:	5180
Remark:			

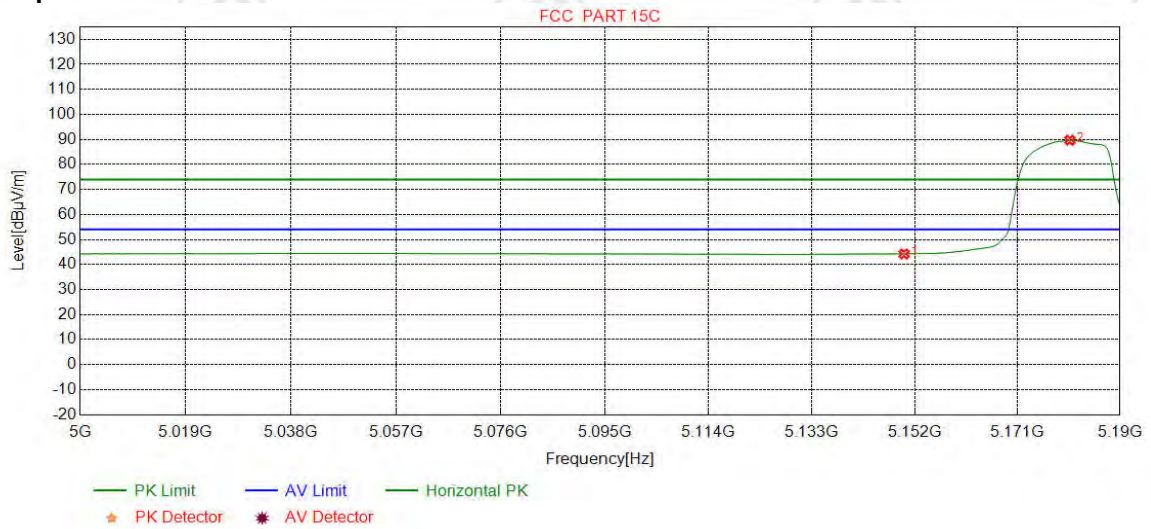
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	45.36	54.55	74.00	19.45	Pass	Vertical	Peak
2	5181.4393	34.68	15.39	-40.55	83.64	93.16	74.00	-19.16	Pass	Vertical	Peak

Mode:	802.11 a(HT20) Transmitting	Channel:	5180
Remark:			

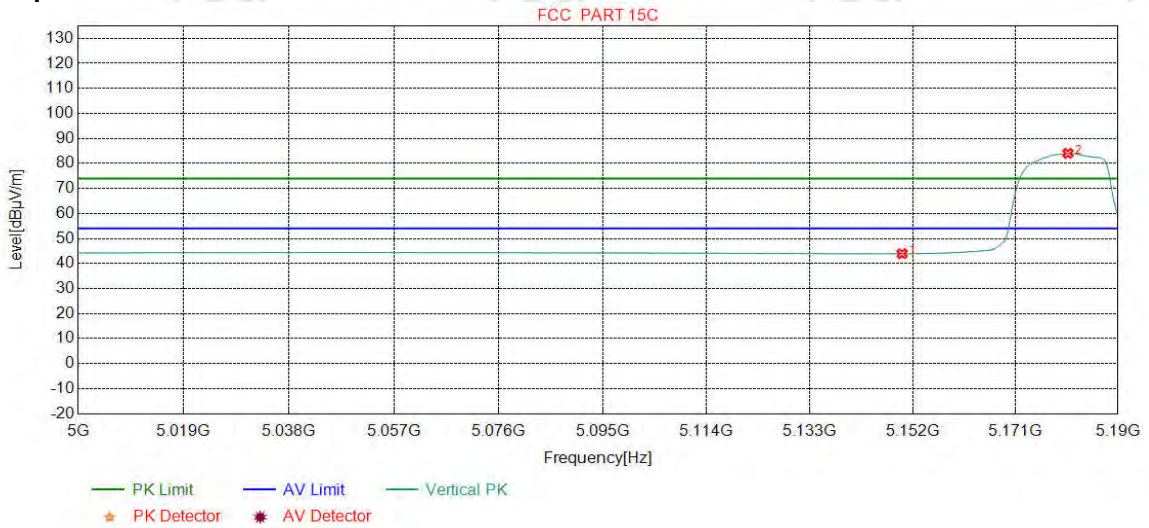
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	35.04	44.23	54.00	9.77	Pass	Horizontal	Average
2	5180.7259	34.68	15.38	-40.55	80.17	89.68	54.00	-35.68	Pass	Horizontal	Average

Mode:	802.11 a(HT20) Transmitting	Channel:	5180
Remark:			

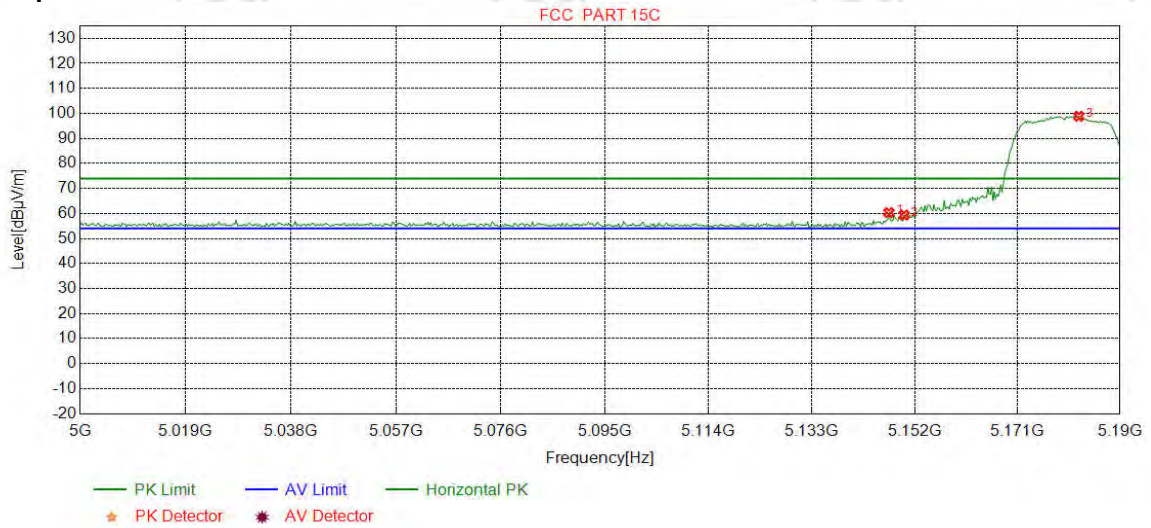
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	34.75	43.94	54.00	10.06	Pass	Vertical	Average
2	5180.7259	34.68	15.38	-40.55	74.53	84.04	54.00	-30.04	Pass	Vertical	Average

Mode:	802.11 a(HT20) Transmitting	Channel:	5180
Remark:			

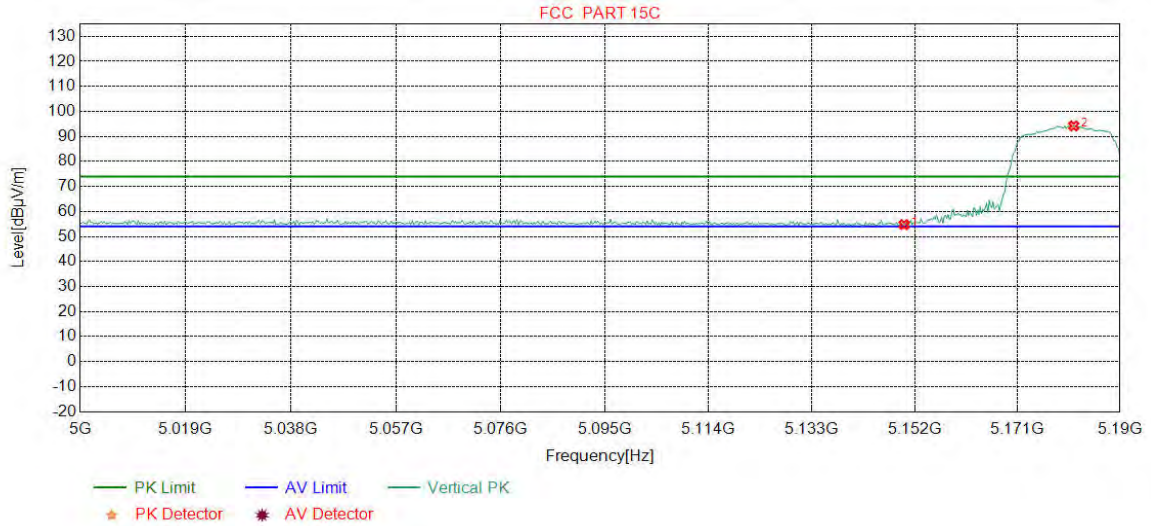
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5147.1965	34.65	15.11	-40.55	51.12	60.33	74.00	13.67	Pass	Horizontal	Peak
2	5150.0000	34.65	15.08	-40.54	50.21	59.40	74.00	14.60	Pass	Horizontal	Peak
3	5182.3905	34.68	15.40	-40.55	89.33	98.86	74.00	-24.86	Pass	Horizontal	Peak

Mode:	802.11 a(HT20) Transmitting	Channel:	5180
Remark:			

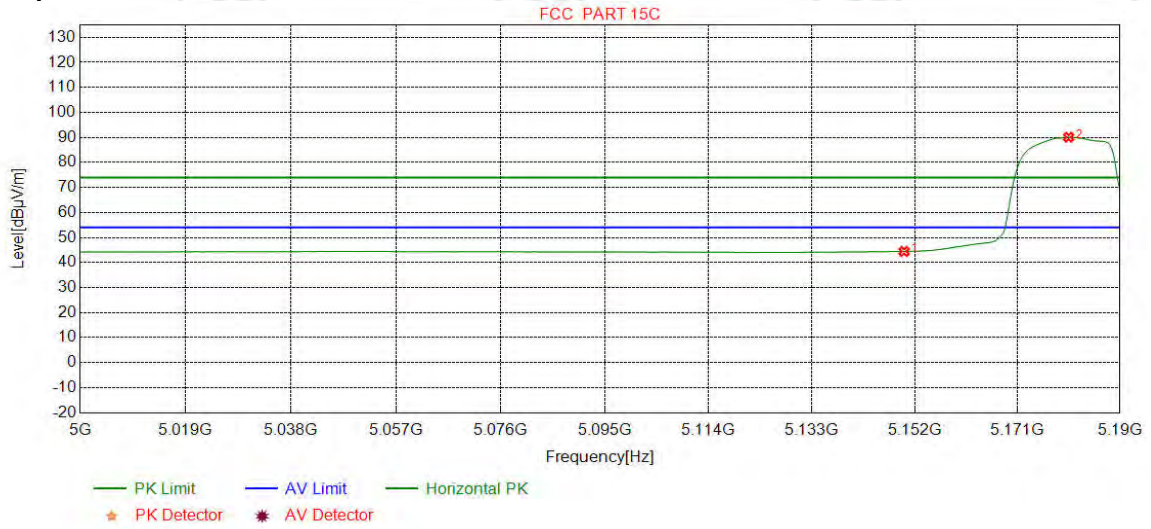
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	45.56	54.75	74.00	19.25	Pass	Vertical	Peak
2	5181.4393	34.68	15.39	-40.55	84.68	94.20	74.00	-20.20	Pass	Vertical	Peak

Mode:	802.11 a(HT20) Transmitting	Channel:	5180
Remark:			

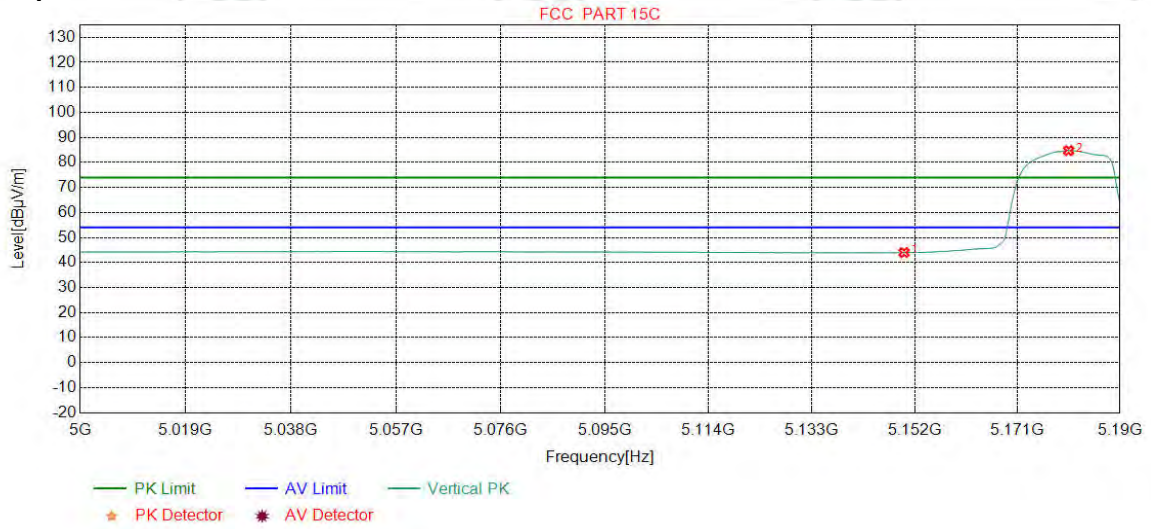
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	35.25	44.44	54.00	9.56	Pass	Horizontal	Average
2	5180.4881	34.68	15.38	-40.55	80.59	90.10	54.00	-36.10	Pass	Horizontal	Average

Mode:	802.11 a(HT20) Transmitting	Channel:	5180
Remark:			

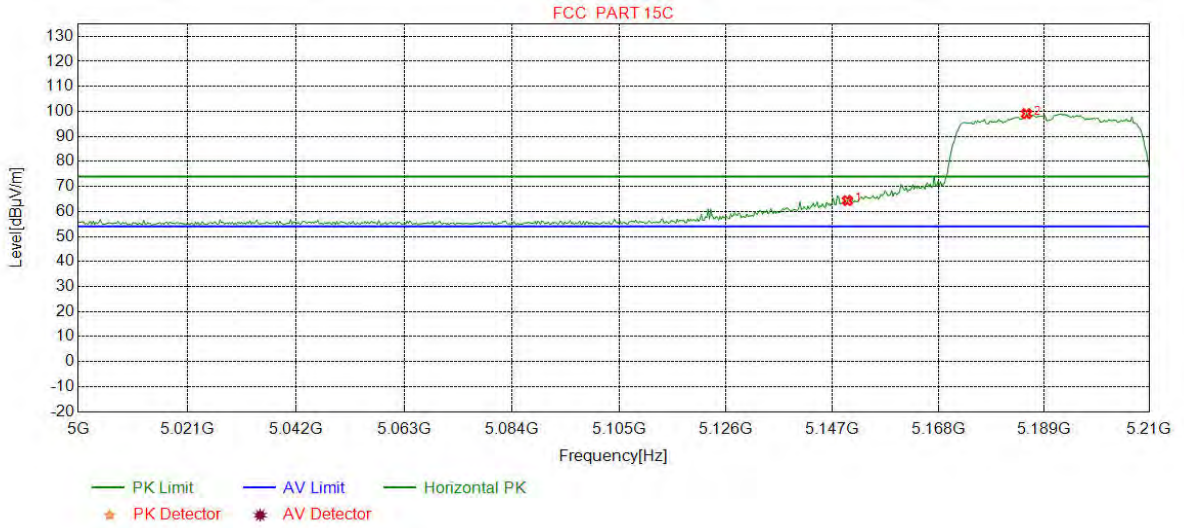
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	34.79	43.98	54.00	10.02	Pass	Vertical	Average
2	5180.4881	34.68	15.38	-40.55	75.21	84.72	54.00	-30.72	Pass	Vertical	Average

Mode:	802.11 n(HT40) Transmitting	Channel:	5190
Remark:			

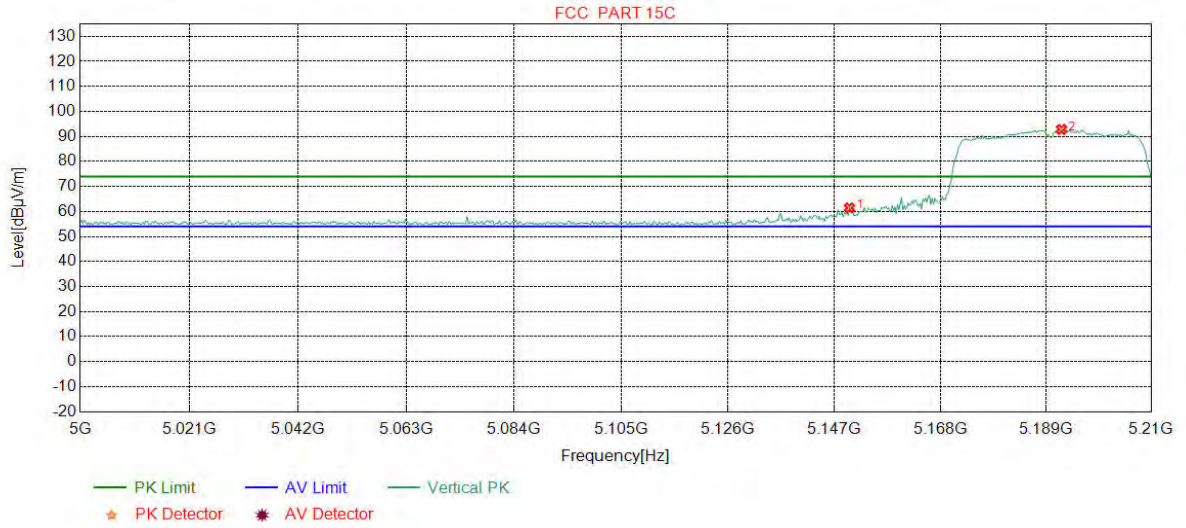
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	55.13	64.32	74.00	9.68	Pass	Horizontal	Peak
2	5185.5569	34.69	15.43	-40.56	89.52	99.08	74.00	-25.08	Pass	Horizontal	Peak

Mode:	802.11 n(HT40) Transmitting	Channel:	5190
Remark:			

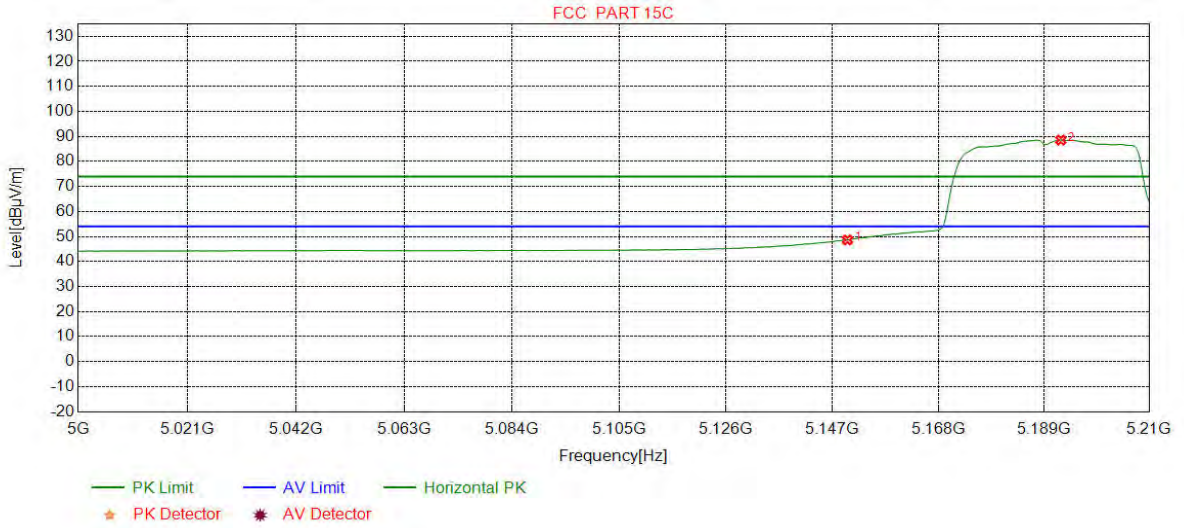
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	52.27	61.46	74.00	12.54	Pass	Vertical	Peak
2	5192.1277	34.69	15.49	-40.55	83.15	92.78	74.00	-18.78	Pass	Vertical	Peak

Mode:	802.11 n(HT40) Transmitting	Channel:	5190
Remark:			

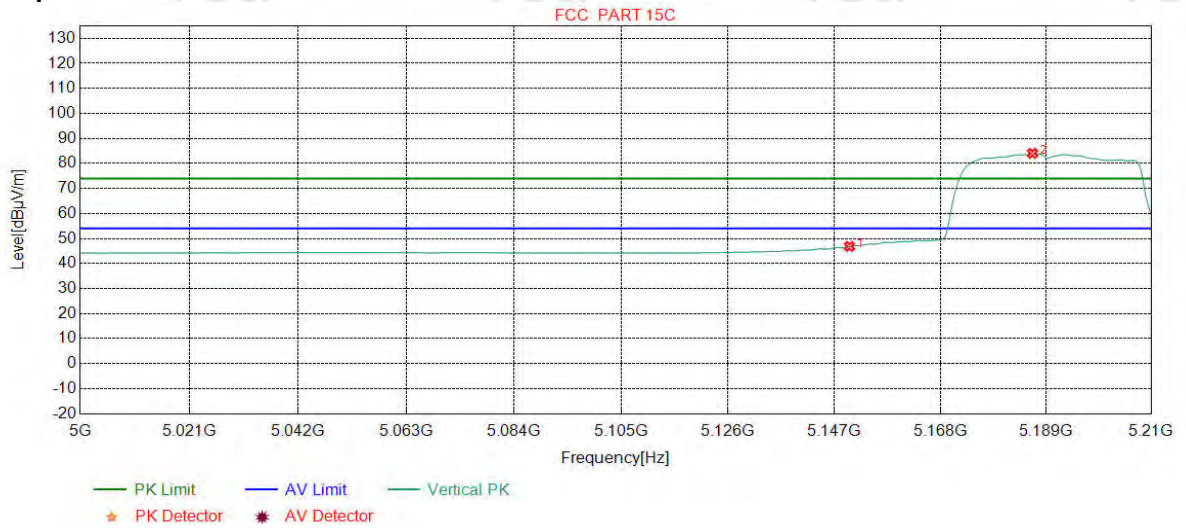
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	39.45	48.64	54.00	5.36	Pass	Horizontal	Average
2	5192.3905	34.69	15.50	-40.56	78.92	88.55	54.00	-34.55	Pass	Horizontal	Average

Mode:	802.11 n(HT40) Transmitting	Channel:	5190
Remark:			

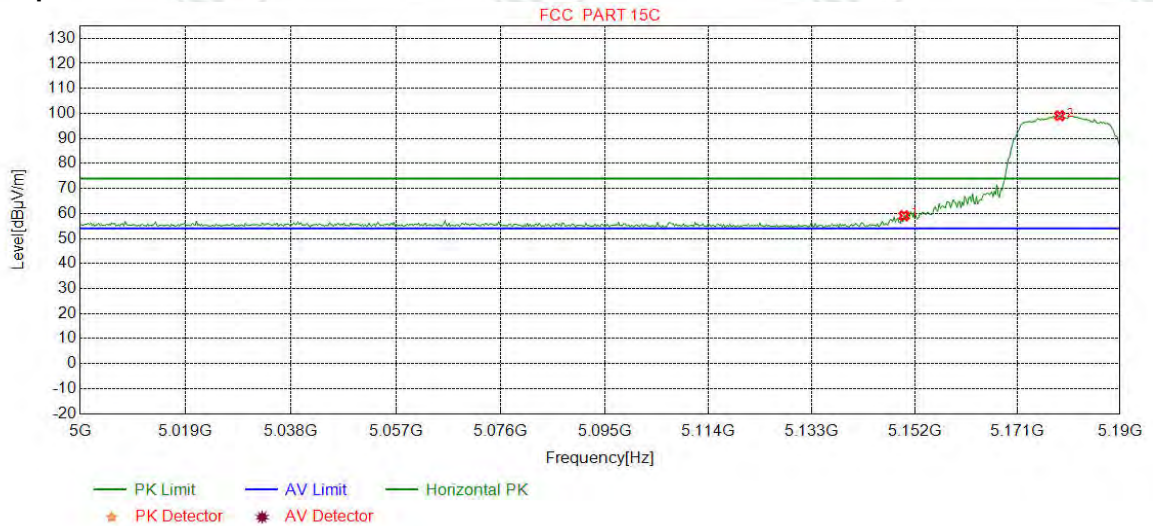
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.000	34.65	15.08	-40.54	37.63	46.82	54.00	7.18	Pass	Vertical	Average
2	5186.3454	34.69	15.44	-40.56	74.46	84.03	54.00	-30.03	Pass	Vertical	Average

Mode:	802.11 ac(HT20) Transmitting	Channel:	5180
Remark:			

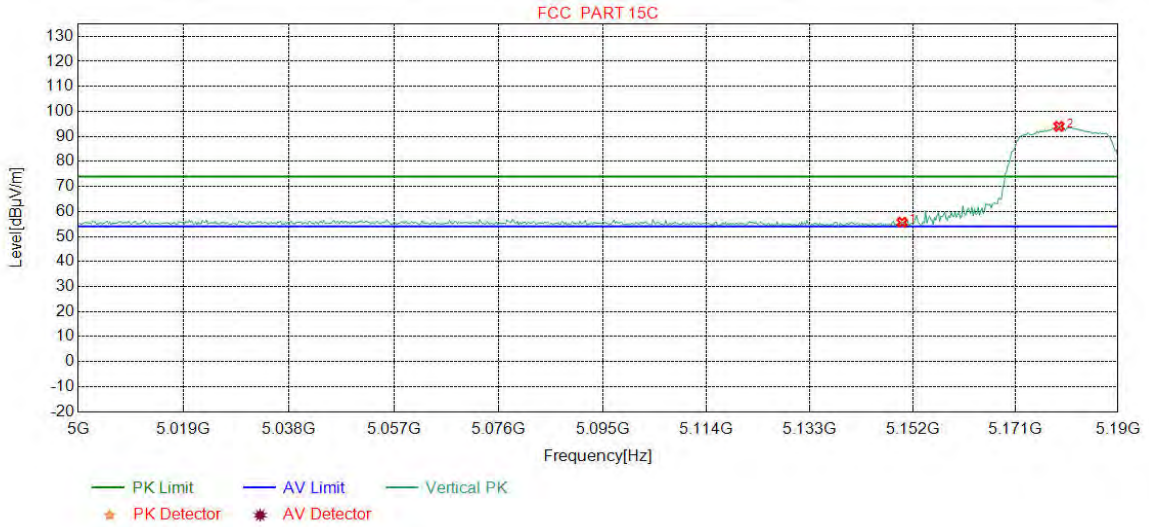
Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	49.91	59.10	74.00	14.90	Pass	Horizontal	Peak
2	5178.8235	34.68	15.36	-40.55	89.57	99.06	74.00	-25.06	Pass	Horizontal	Peak

Mode:	802.11 ac(HT20) Transmitting	Channel:	5180
Remark:			

Test Graph



Suspected List											
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5150.0000	34.65	15.08	-40.54	46.51	55.70	74.00	18.30	Pass	Vertical	Peak
2	5179.0613	34.68	15.36	-40.55	84.54	94.03	74.00	-20.03	Pass	Vertical	Peak