



Appendix E

RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: TABLET

Test Model: ELITE10QH

Environmental Conditions

Temperature:	21.1° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



E.1 6dB Bandwidth

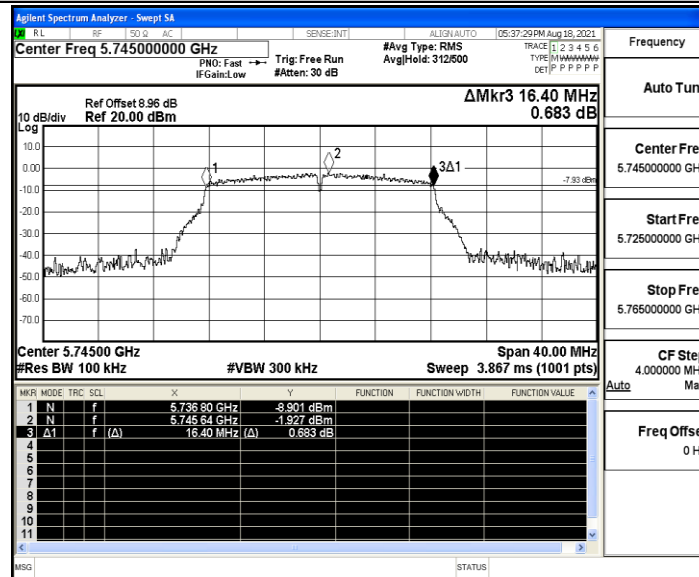
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.800	5753.200	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.680	5776.160	5793.840	0.5	PASS
		5825	17.680	5816.160	5833.840	0.5	PASS
11N40SISO	Ant1	5755	36.480	5736.760	5773.240	0.5	PASS
		5795	35.840	5777.000	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.680	5776.160	5793.840	0.5	PASS
		5825	17.680	5816.160	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	36.240	5737.000	5773.240	0.5	PASS
		5795	36.480	5776.760	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	76.480	5736.760	5813.240	0.5	PASS

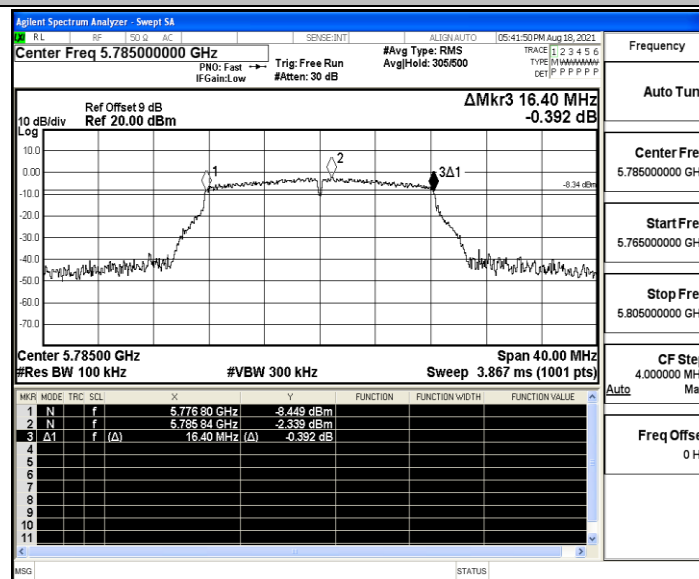


Test Graphs

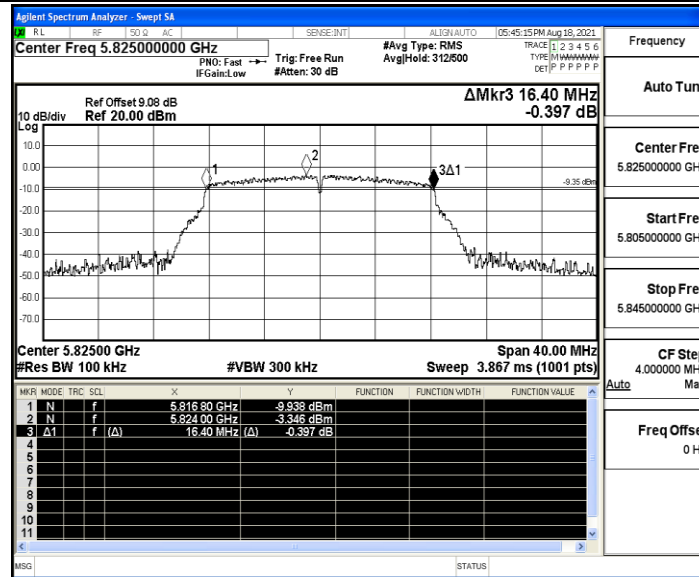
11A_Ant1_5745



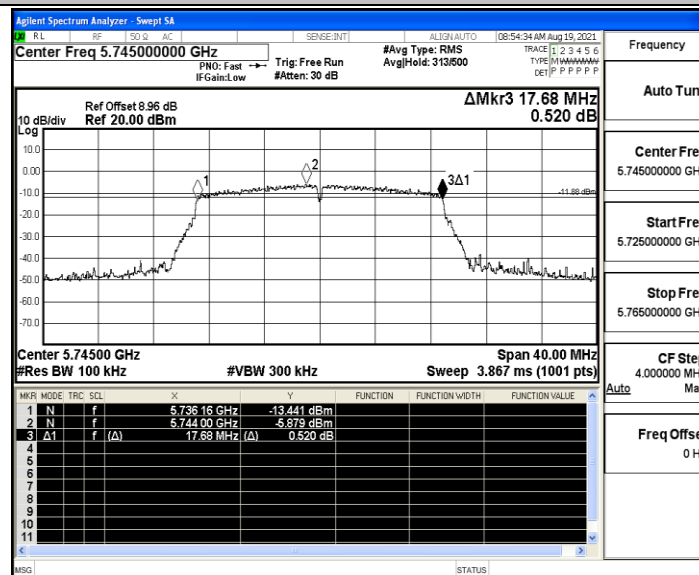
11A_Ant1_5785



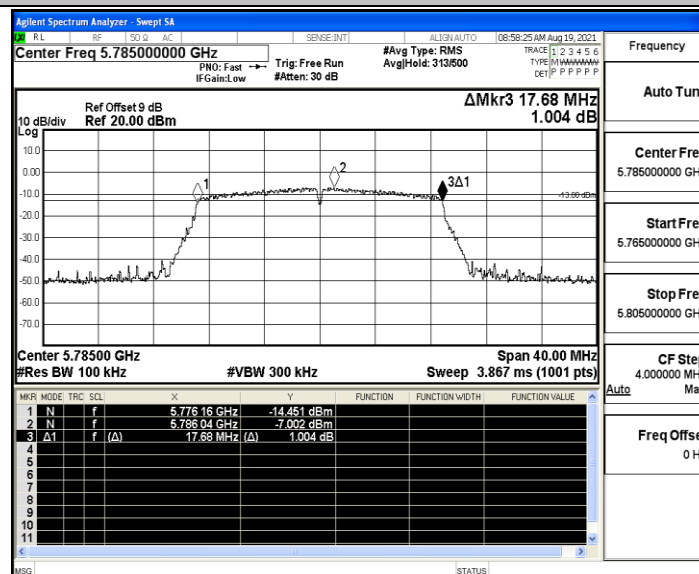
11A_Ant1_5825



11N20SISO_Ant1_5745

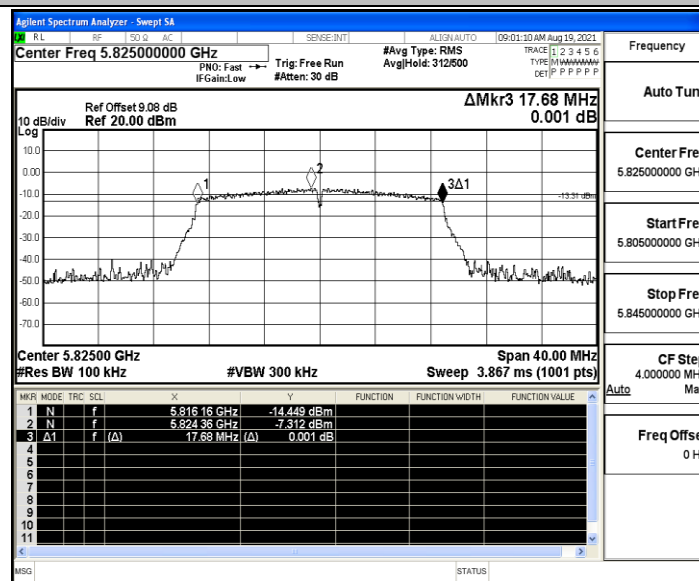


11N20SISO_Ant1_5785

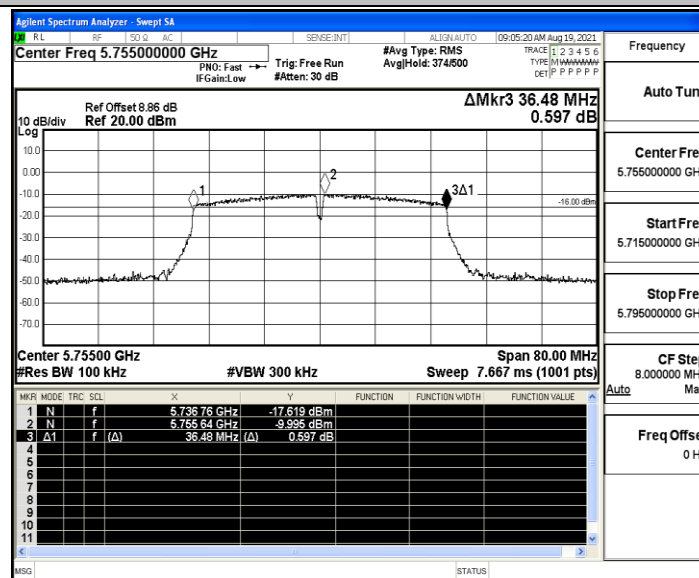




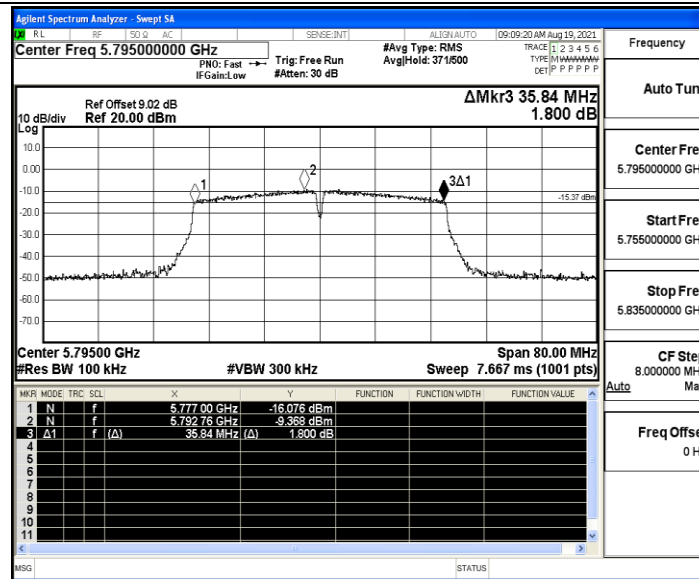
11N20SISO_Ant1_5825



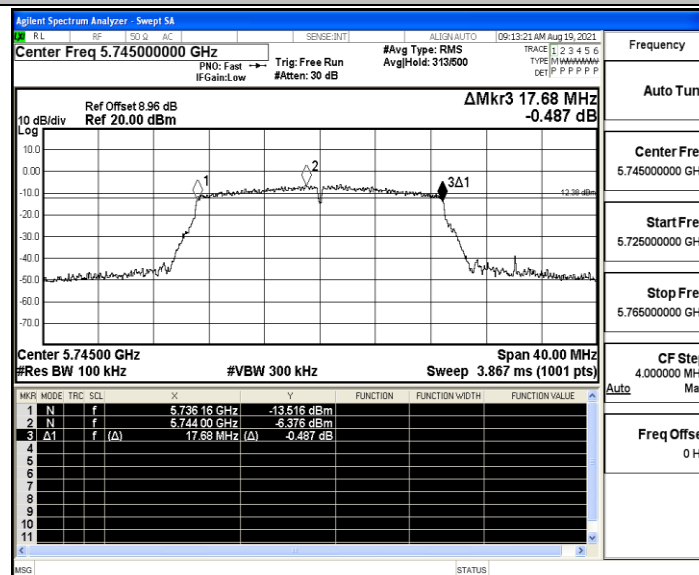
11N40SISO_Ant1_5755



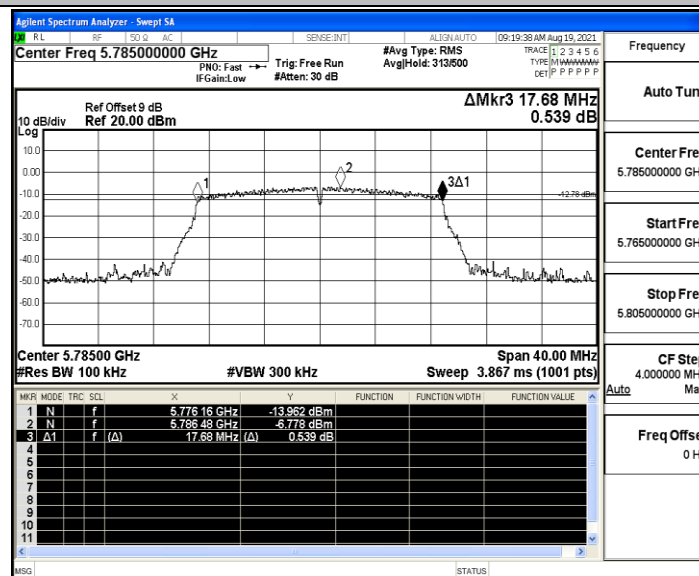
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

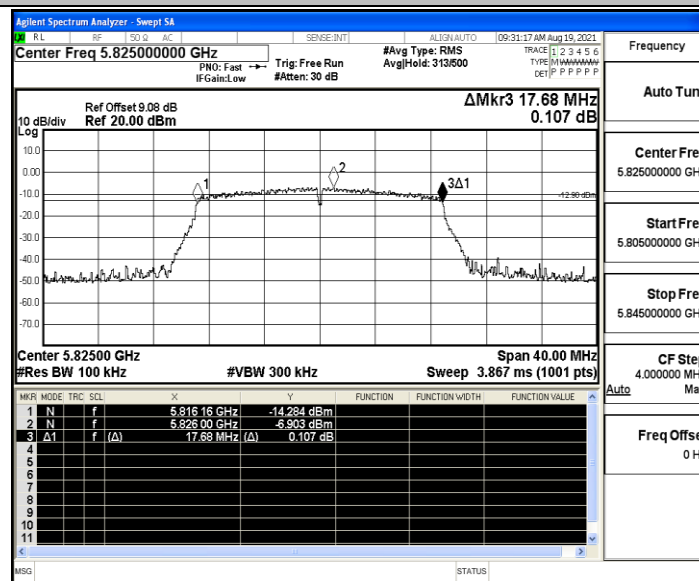


11AC20SISO_Ant1_5785

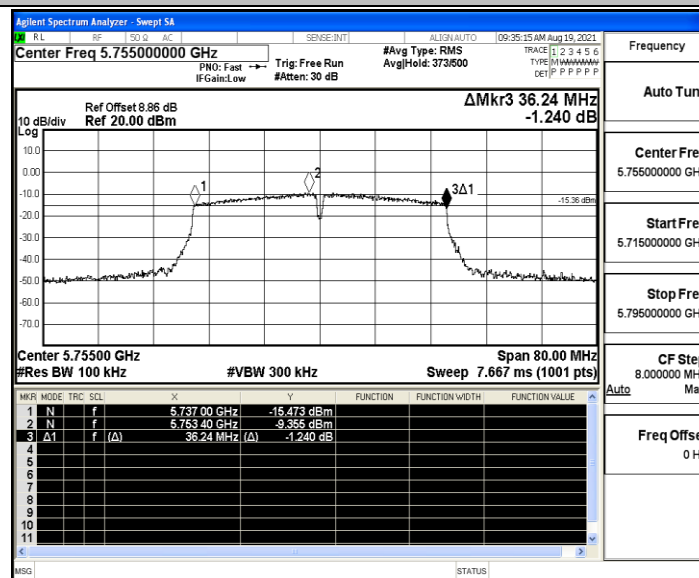




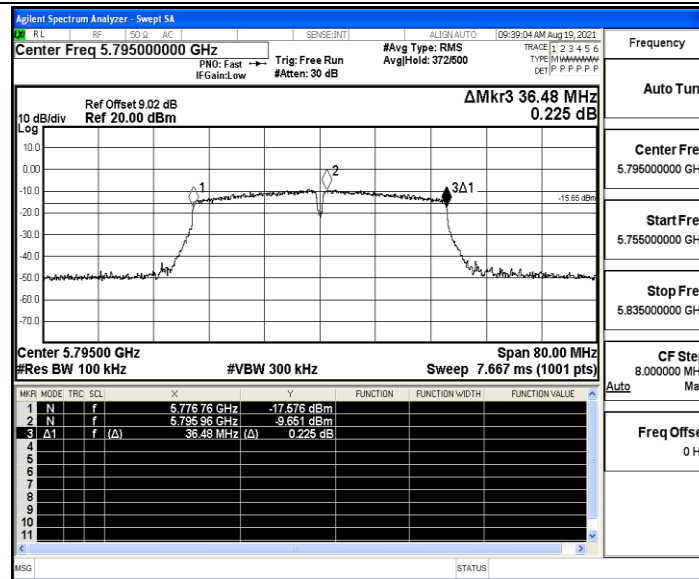
11AC20SISO_Ant1_5825



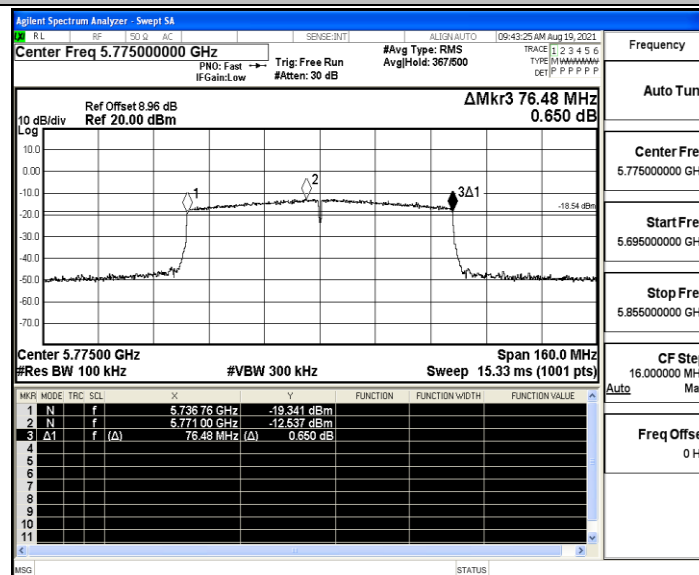
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775





E.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	6.99	≤30	PASS
		5785	6.83	≤30	PASS
		5825	6.56	≤30	PASS
11N20SISO	Ant1	5745	6.25	≤30	PASS
		5785	6.44	≤30	PASS
		5825	6.22	≤30	PASS
11N40SISO	Ant1	5755	6.48	≤30	PASS
		5795	6.77	≤30	PASS
11AC20SISO	Ant1	5745	6.88	≤30	PASS
		5785	6.74	≤30	PASS
		5825	6.49	≤30	PASS
11AC40SISO	Ant1	5755	6.57	≤30	PASS
		5795	6.96	≤30	PASS
11AC80SISO	Ant1	5775	6.51	≤30	PASS



E.3 Maximum power spectral density

Test Result

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	-1.81	0	2.218	0.41	30	Pass
	157	5785	-1.98	0	2.218	0.24		Pass
	165	5825	-6.54	0	2.218	-4.32		Pass
11N20 SISO	149	5745	-5.99	0	2.218	-3.77	30	Pass
	157	5785	-6.88	0	2.218	-4.66		Pass
	165	5825	-6.75	0	2.218	-4.53		Pass
11N40 SISO	151	5755	-9.74	0	2.218	-7.52	30	Pass
	159	5795	-9.25	0	2.218	-7.03		Pass
11AC20 SISO	149	5745	-6.25	0	2.218	-4.03	30	Pass
	157	5785	-6.53	0	2.218	-4.31		Pass
	165	5825	-6.55	0	2.218	-4.33		Pass
11AC40 SISO	151	5755	-9.15	0	2.218	-6.93	30	Pass
	159	5795	-9.18	0	2.218	-6.96		Pass
11AC80 SISO	155	5775	-12.98	0	2.218	-10.76	30	Pass

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

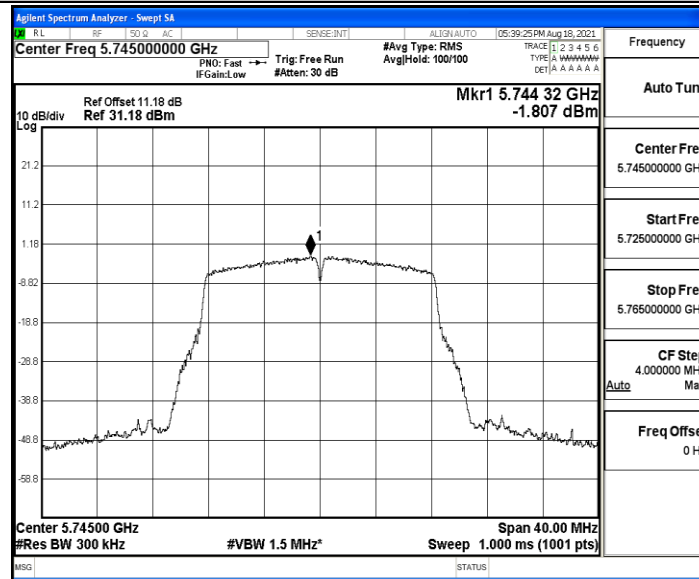
3.Report conducted PSD = measured conducted PSD + Duty Cycle factor + RBW factor;

RBW factor = $10 \log (500 \text{ KHz} / 300 \text{ KHz}) = 2.218 \text{ dB}$.

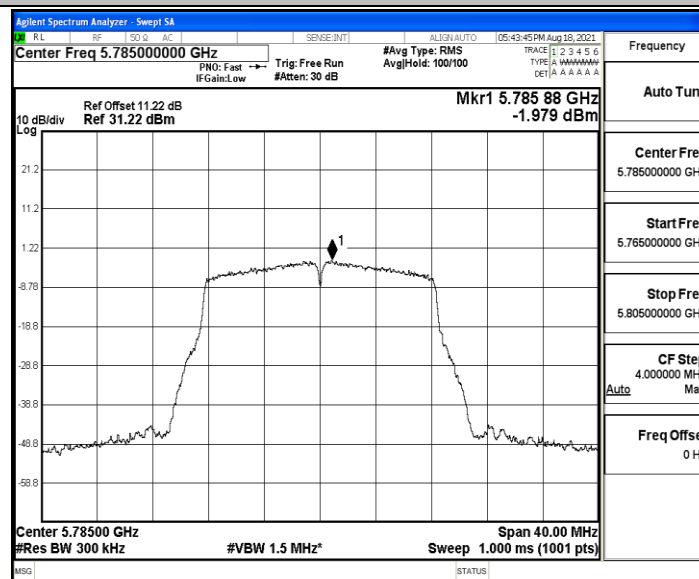


Test Graphs

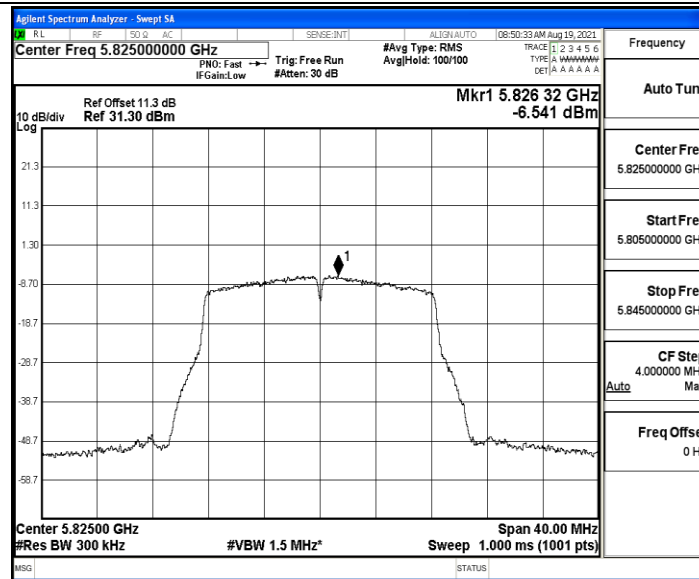
11A_Ant1_5745



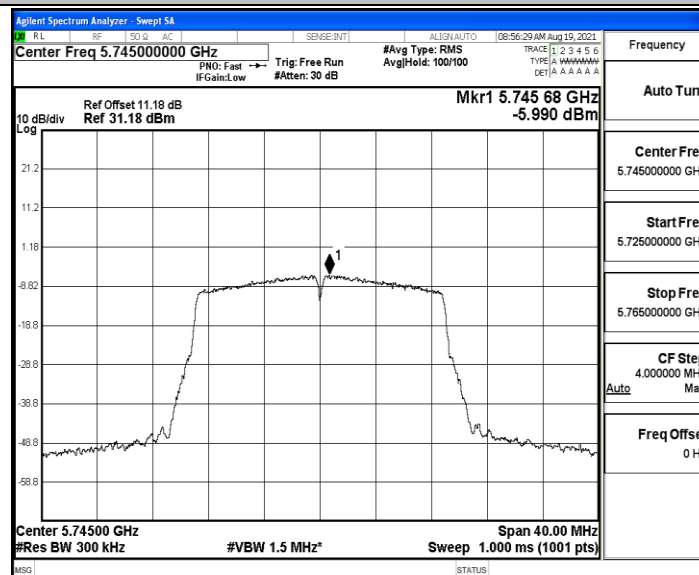
11A_Ant1_5785



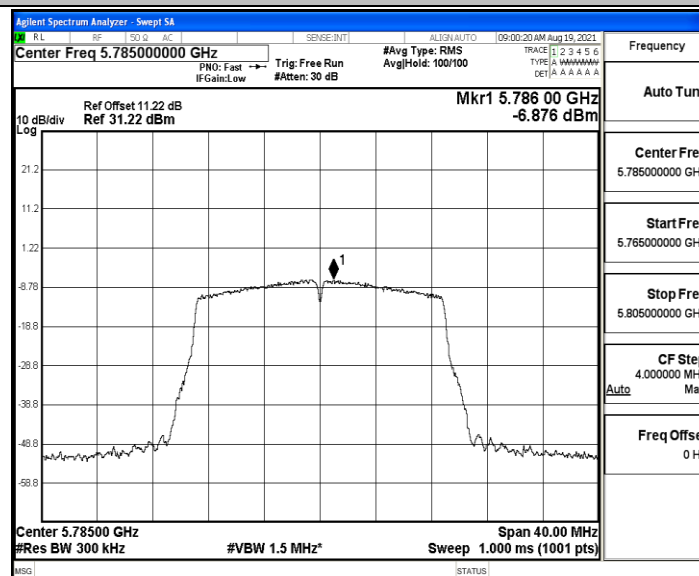
11A_Ant1_5825



11N20SISO_Ant1_5745

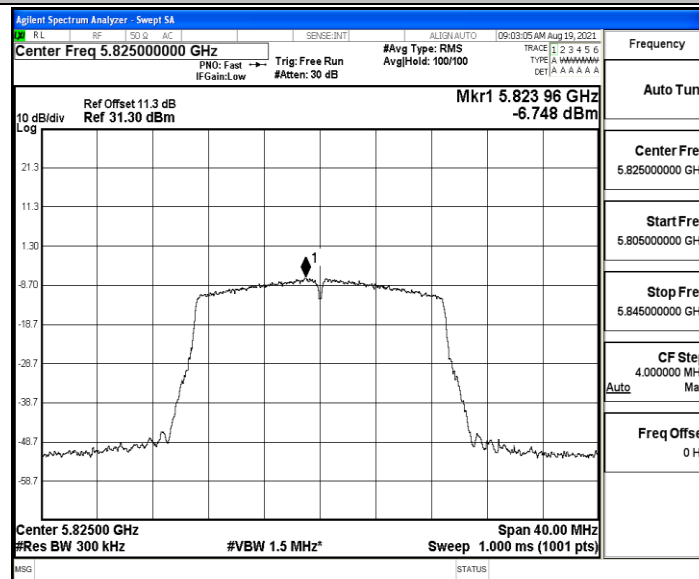


11N20SISO_Ant1_5785

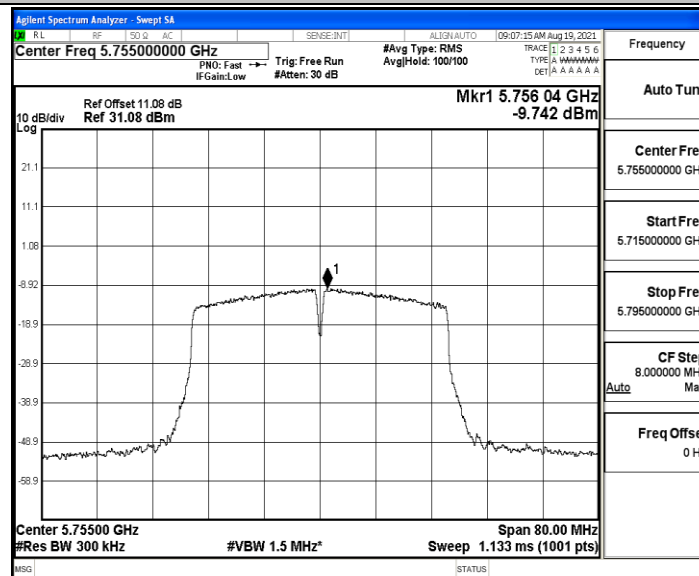




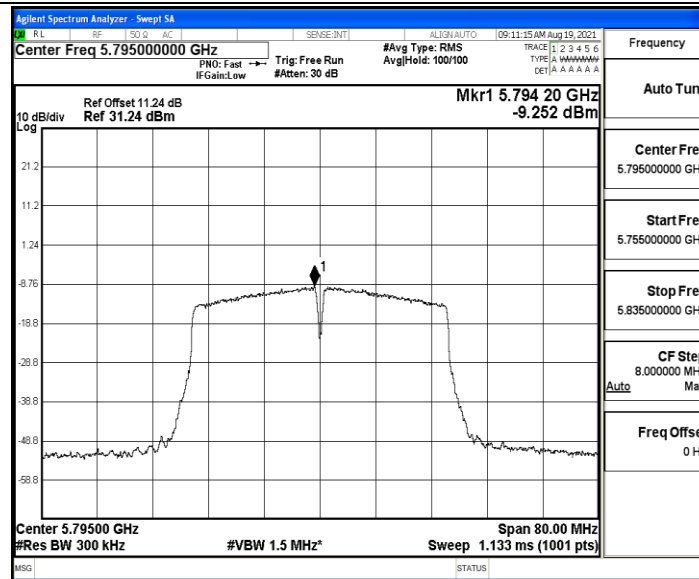
11N20SISO_Ant1_5825



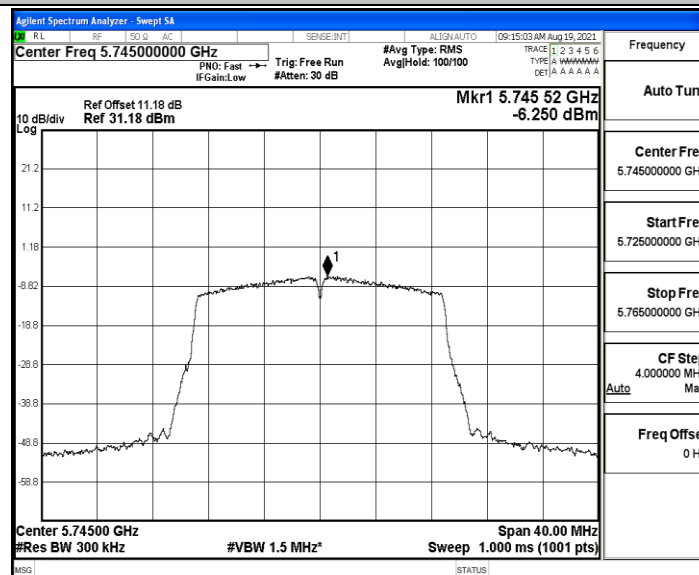
11N40SISO_Ant1_5755



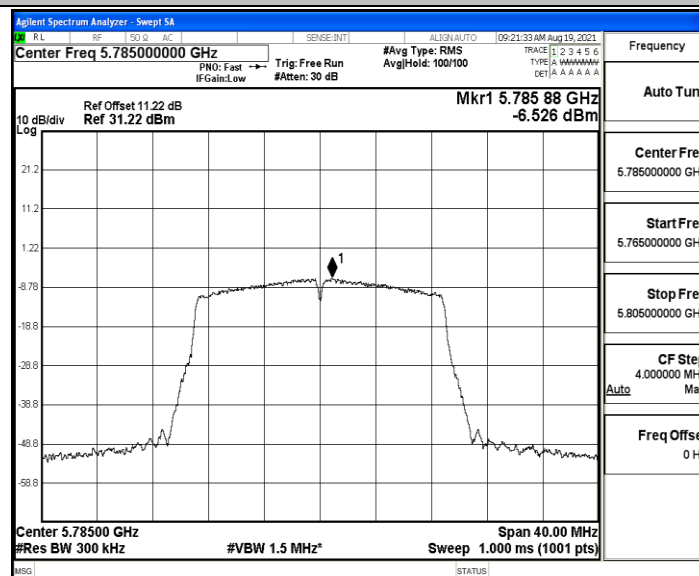
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

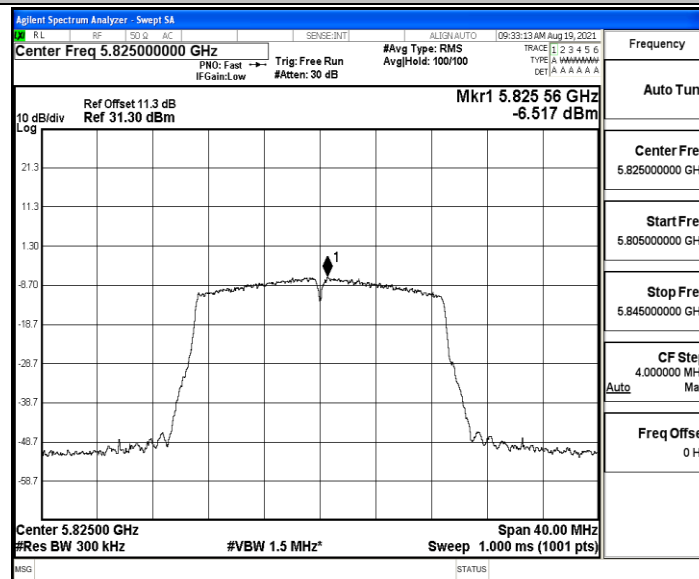


11AC20SISO_Ant1_5785

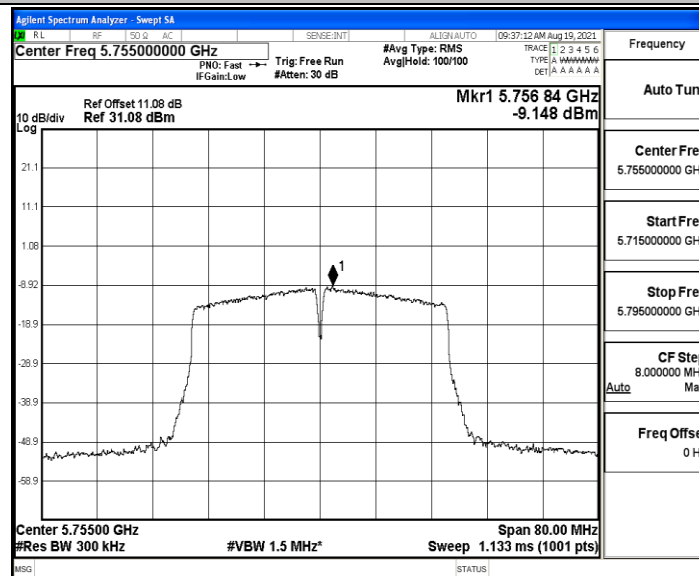




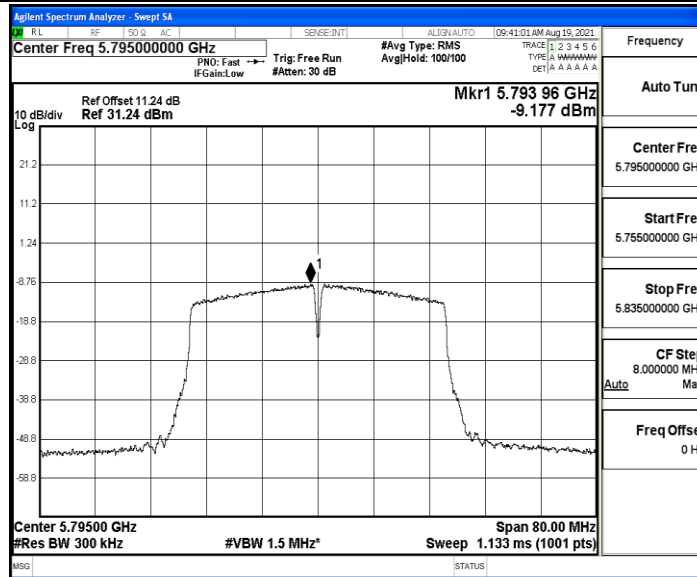
11AC20SISO_Ant1_5825



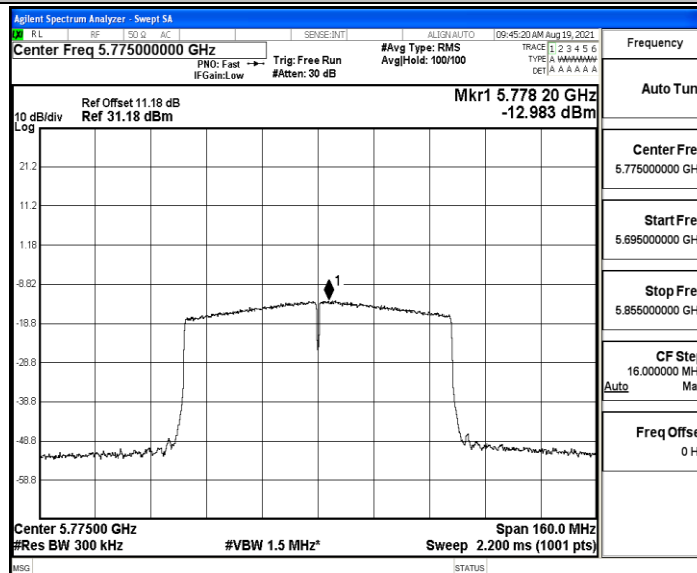
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775





E.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-41.578	≤-27.00	---	---	PASS
				Peak	5700.000	-41.39	≤10.00	---	---	PASS
				Peak	5720.000	-41.93	≤15.60	---	---	PASS
				Peak	5725.000	-39.43	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-43.724	≤15.60	---	---	PASS
				Peak	5855.000	-43.39	≤27.00	---	---	PASS
				Peak	5875.000	-38.84	≤15.60	---	---	PASS
				Peak	5925.000	-44.61	≤10.00	---	---	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-41.791	≤-27.00	---	---	PASS
				Peak	5700.000	-41.72	≤10.00	---	---	PASS
				Peak	5720.000	-43.04	≤15.60	---	---	PASS
				Peak	5725.000	-38.66	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-40.111	≤15.60	---	---	PASS
				Peak	5855.000	-40.91	≤27.00	---	---	PASS
				Peak	5875.000	-42.61	≤15.60	---	---	PASS
				Peak	5925.000	-42.42	≤10.00	---	---	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-43.09	≤-27.00	---	---	PASS
				Peak	5700.000	-41.64	≤10.00	---	---	PASS
				Peak	5720.000	-42.67	≤15.60	---	---	PASS
				Peak	5725.000	-40.03	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-42.609	≤15.60	---	---	PASS
				Peak	5855.000	-44.75	≤27.00	---	---	PASS
				Peak	5875.000	-38.31	≤15.60	---	---	PASS
				Peak	5925.000	-43.75	≤10.00	---	---	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-44.166	≤-27.00	---	---	PASS
				Peak	5700.000	-42.23	≤10.00	---	---	PASS
				Peak	5720.000	-43.35	≤15.60	---	---	PASS
				Peak	5725.000	-41.4	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-41.06	≤15.60	---	---	PASS
				Peak	5855.000	-41.97	≤27.00	---	---	PASS
				Peak	5875.000	-42.77	≤15.60	---	---	PASS
				Peak	5925.000	-41.44	≤10.00	---	---	PASS
11AC40SISO	Ant1	Low	5755	Peak	5650.000	-41.656	≤-27.00	---	---	PASS
				Peak	5700.000	-42.74	≤10.00	---	---	PASS
				Peak	5720.000	-44.23	≤15.60	---	---	PASS
				Peak	5725.000	-40.29	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-42.015	≤15.60	---	---	PASS



				Peak	5855.000	-42.7	≤27.00	---	---	PASS
				Peak	5875.000	-39.64	≤15.60	---	---	PASS
				Peak	5925.000	-41.41	≤10.00	- - -	- - -	PASS
11AC80SI SO	Ant1	Low	5775	Peak	5650.000	-44.39	≤27.00	---	---	PASS
				Peak	5700.000	-44.01	≤10.00	---	---	PASS
				Peak	5720.000	-40.07	≤15.60	---	---	PASS
				Peak	5725.000	-42.05	≤27.00	- - -	- - -	PASS
		High	5775	Peak	5850.000	-38.187	≤15.60	---	---	PASS
				Peak	5855.000	-41.55	≤27.00	---	---	PASS
				Peak	5875.000	-40.2	≤15.60	---	---	PASS
				Peak	5925.000	-43.31	≤10.00	- - -	- - -	PASS

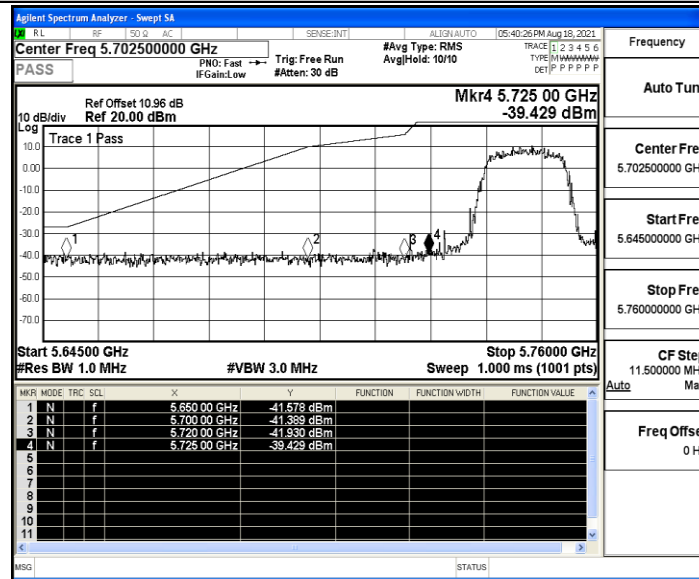
Note:

1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

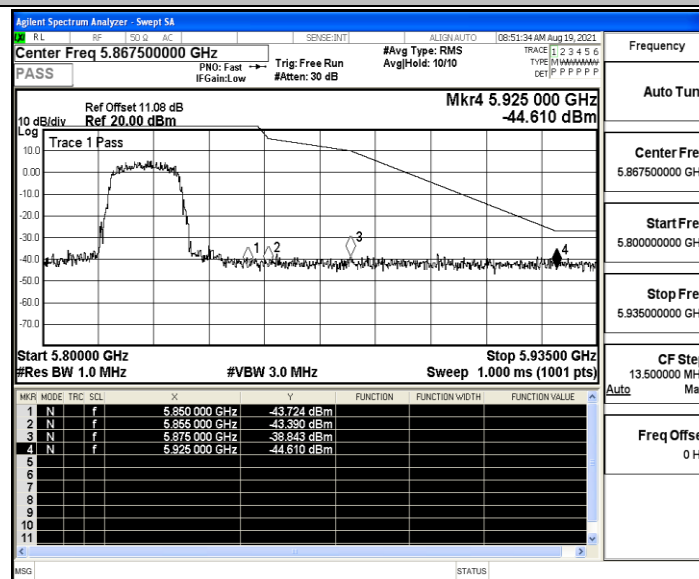


Test Graphs

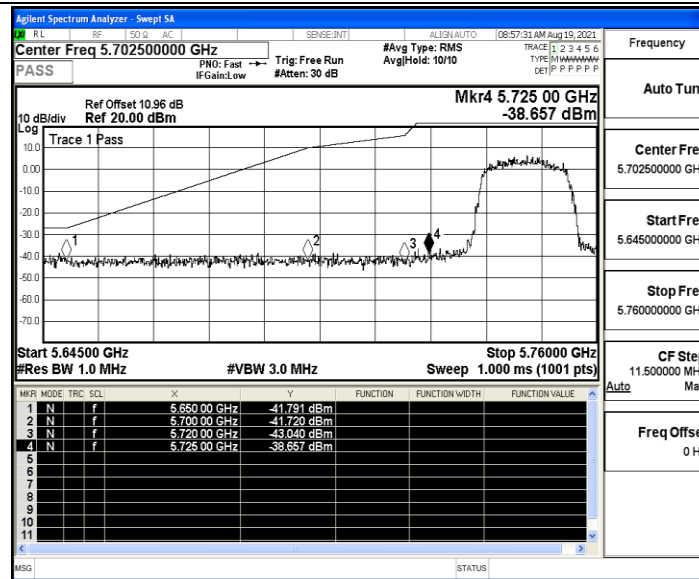
11A_Ant1_Low_5745_Peak



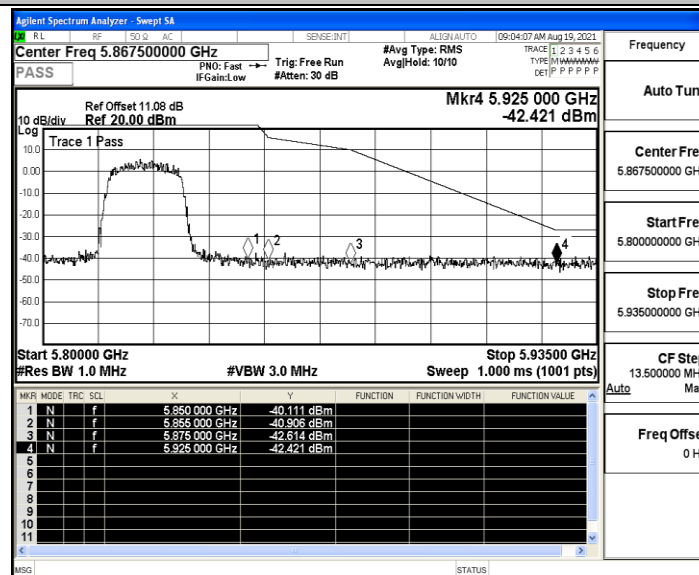
11A_Ant1_High_5825_Peak



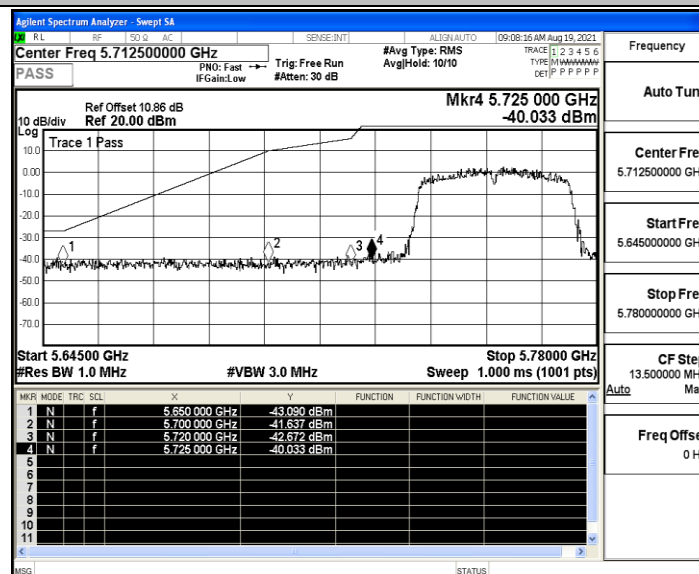
11N20SISO_Ant1_Low_5745_Peak



11N20SISO_Ant1_High_5825_Peak

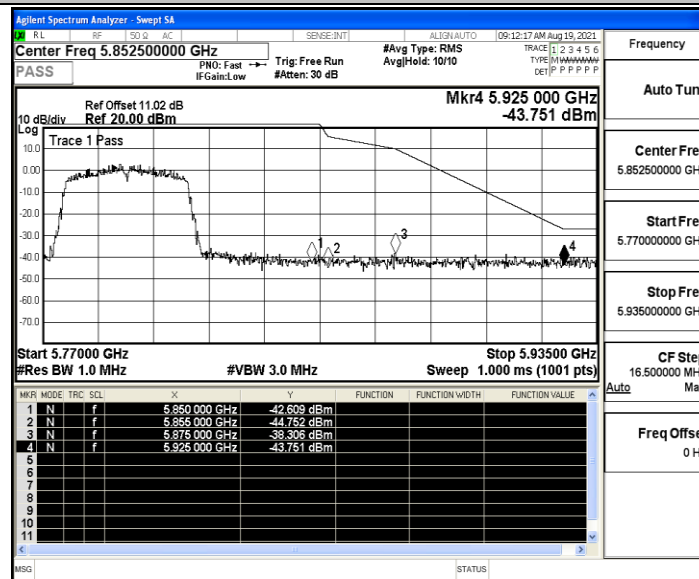


11N40SISO_Ant1_Low_5755_Peak

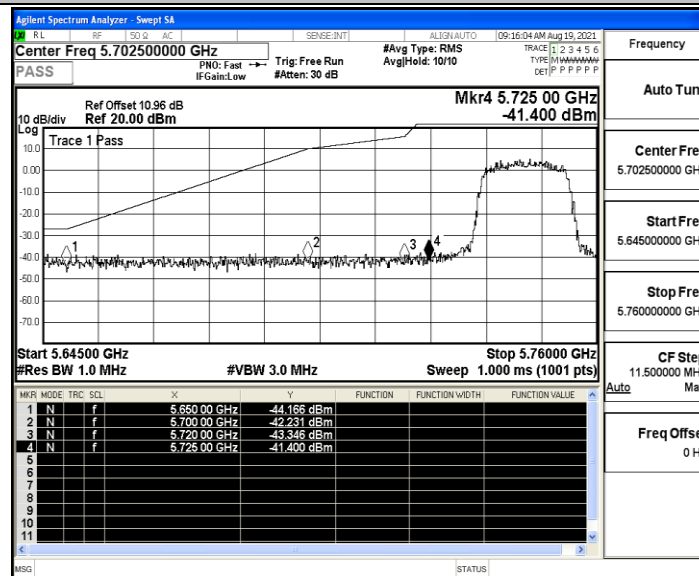




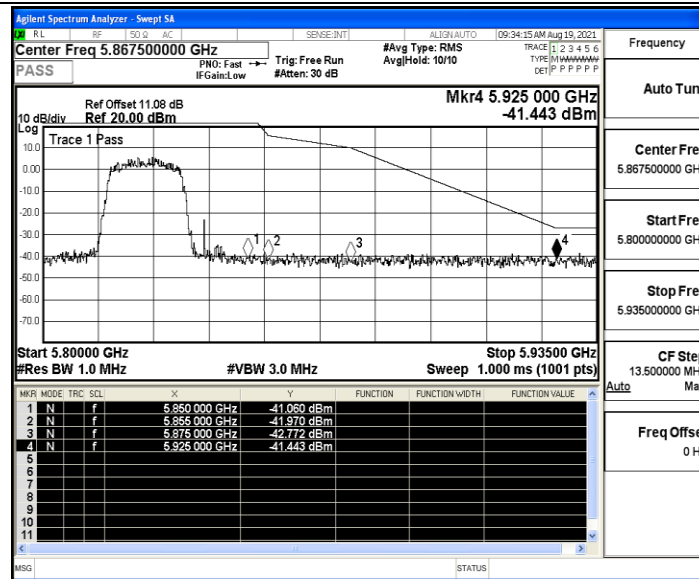
11N40SISO_Ant1_High_5795_Peak



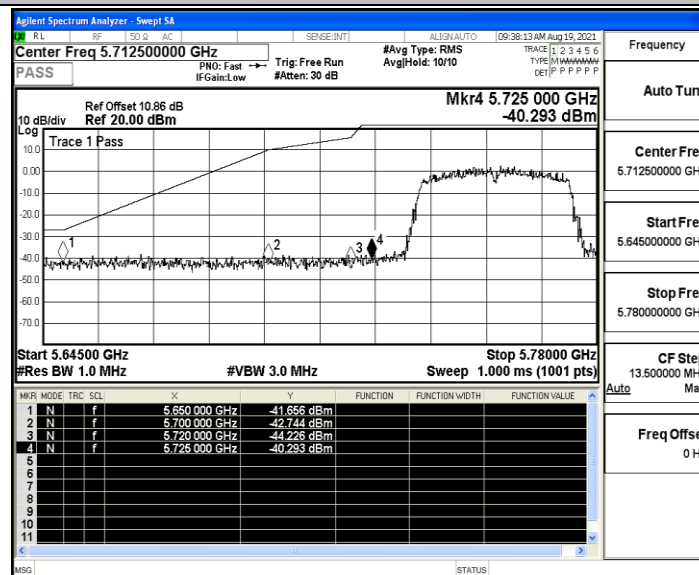
11AC20SISO_Ant1_Low_5745_Peak



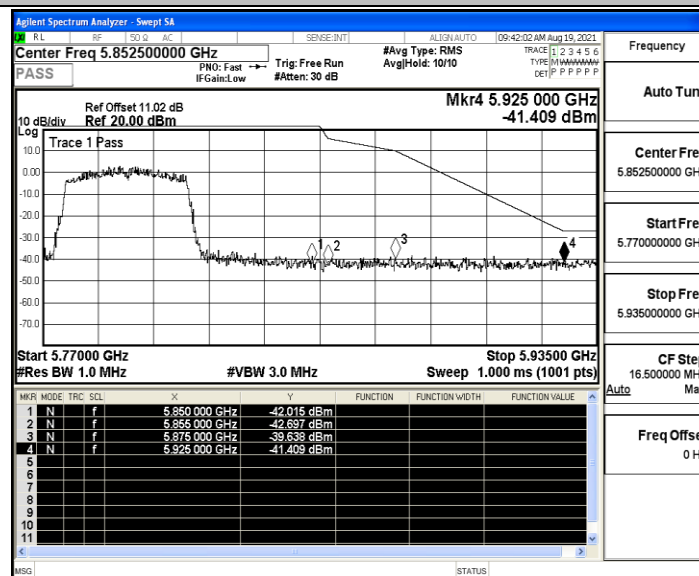
11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak

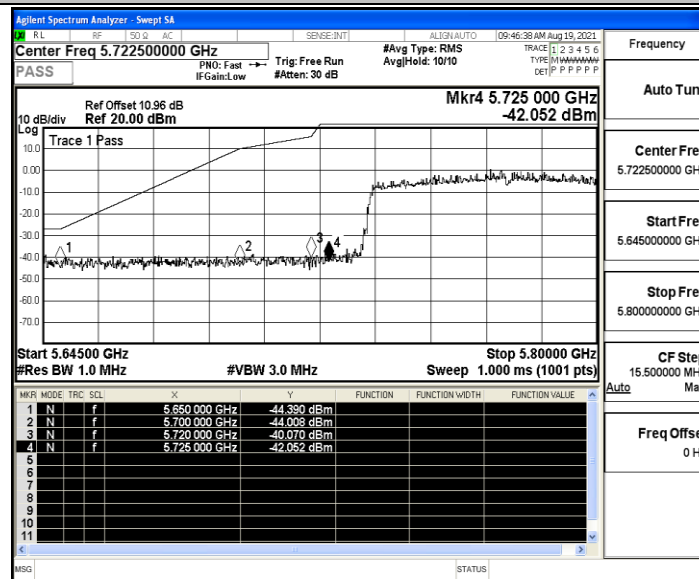


11AC40SISO_Ant1_High_5795_Peak

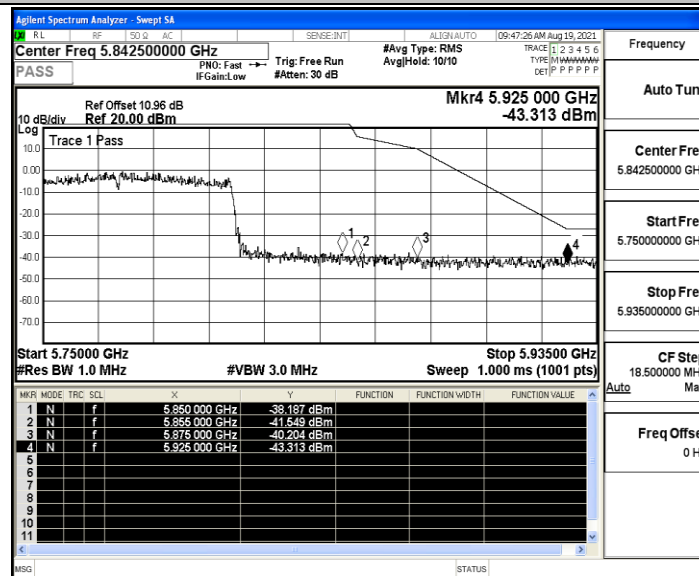




11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak





E.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	NT	-3000	-0.522193	20	PASS
			LV	NT	-4000	-0.696258	20	PASS
			HV	NT	-3000	-0.522193	20	PASS
		5785	NV	NT	-3000	-0.518583	20	PASS
			LV	NT	-4000	-0.691443	20	PASS
			HV	NT	-4000	-0.691443	20	PASS
		5825	NV	NT	-4000	-0.686695	20	PASS
			LV	NT	-4000	-0.686695	20	PASS
			HV	NT	-4000	-0.686695	20	PASS
11N20SI SO	Ant1	5745	NV	NT	-4000	-0.696258	20	PASS
			LV	NT	-4000	-0.696258	20	PASS
			HV	NT	-4000	-0.696258	20	PASS
		5785	NV	NT	-4000	-0.691443	20	PASS
			LV	NT	-4000	-0.691443	20	PASS
			HV	NT	-4000	-0.691443	20	PASS
		5825	NV	NT	-4000	-0.686695	20	PASS
			LV	NT	-4000	-0.686695	20	PASS
			HV	NT	-4000	-0.686695	20	PASS
11N40SI SO	Ant1	5755	NV	NT	-4000	-0.695048	20	PASS
			LV	NT	-4000	-0.695048	20	PASS
			HV	NT	-4000	-0.695048	20	PASS
		5795	NV	NT	-4000	-0.69025	20	PASS
			LV	NT	-4000	-0.69025	20	PASS
			HV	NT	-4000	-0.69025	20	PASS
11AC20S ISO	Ant1	5745	NV	NT	-4000	-0.696258	20	PASS
			LV	NT	-4000	-0.696258	20	PASS
			HV	NT	-4000	-0.696258	20	PASS
		5785	NV	NT	-4000	-0.691443	20	PASS
			LV	NT	-4000	-0.691443	20	PASS
			HV	NT	-4000	-0.691443	20	PASS
		5825	NV	NT	-4000	-0.686695	20	PASS
			LV	NT	-4000	-0.686695	20	PASS
			HV	NT	-4000	-0.686695	20	PASS
11AC40S ISO	Ant1	5755	NV	NT	-4000	-0.695048	20	PASS
			LV	NT	-4000	-0.695048	20	PASS
			HV	NT	-4000	-0.695048	20	PASS



		5795	NV	NT	-4000	-0.69025	20	PASS
			LV	NT	-5000	-0.862813	20	PASS
			HV	NT	-5000	-0.862813	20	PASS
11AC80S ISO	Ant1	5775	NV	NT	-4000	-0.692641	20	PASS
			LV	NT	-5000	-0.865801	20	PASS
			HV	NT	-4000	-0.692641	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	-30	-4000	-0.696258	20	PASS
			NV	-20	-4000	-0.696258	20	PASS
			NV	-10	-3000	-0.522193	20	PASS
			NV	0	-3000	-0.522193	20	PASS
			NV	10	-3000	-0.522193	20	PASS
			NV	20	-3000	-0.522193	20	PASS
			NV	30	-4000	-0.696258	20	PASS
			NV	40	-4000	-0.696258	20	PASS
			NV	50	-3000	-0.522193	20	PASS
		5785	NV	-30	-4000	-0.691443	20	PASS
			NV	-20	-4000	-0.691443	20	PASS
			NV	-10	-4000	-0.691443	20	PASS
			NV	0	-4000	-0.691443	20	PASS
			NV	10	-4000	-0.691443	20	PASS
			NV	20	-4000	-0.691443	20	PASS
			NV	30	-4000	-0.691443	20	PASS
			NV	40	-4000	-0.691443	20	PASS
			NV	50	-4000	-0.691443	20	PASS
		5825	NV	-30	-4000	-0.686695	20	PASS
			NV	-20	-4000	-0.686695	20	PASS
			NV	-10	-4000	-0.686695	20	PASS
			NV	0	-4000	-0.686695	20	PASS
			NV	10	-4000	-0.686695	20	PASS
			NV	20	-4000	-0.686695	20	PASS
			NV	30	-4000	-0.686695	20	PASS
			NV	40	-4000	-0.686695	20	PASS
			NV	50	-4000	-0.686695	20	PASS
11N20SI SO	Ant1	5745	NV	-30	-4000	-0.696258	20	PASS
			NV	-20	-4000	-0.696258	20	PASS
			NV	-10	-4000	-0.696258	20	PASS
			NV	0	-4000	-0.696258	20	PASS
			NV	10	-4000	-0.696258	20	PASS
			NV	20	-4000	-0.696258	20	PASS



			NV	30	-4000	-0.696258	20	PASS
			NV	40	-4000	-0.696258	20	PASS
			NV	50	-4000	-0.696258	20	PASS
		5785	NV	-30	-4000	-0.691443	20	PASS
			NV	-20	-4000	-0.691443	20	PASS
			NV	-10	-4000	-0.691443	20	PASS
			NV	0	-4000	-0.691443	20	PASS
			NV	10	-4000	-0.691443	20	PASS
			NV	20	-4000	-0.691443	20	PASS
			NV	30	-4000	-0.691443	20	PASS
			NV	40	-4000	-0.691443	20	PASS
			NV	50	-4000	-0.691443	20	PASS
			NV	-30	-4000	-0.686695	20	PASS
		5825	NV	-20	-4000	-0.686695	20	PASS
			NV	-10	-4000	-0.686695	20	PASS
			NV	0	-4000	-0.686695	20	PASS
			NV	10	-4000	-0.686695	20	PASS
			NV	20	-4000	-0.686695	20	PASS
			NV	30	-4000	-0.686695	20	PASS
			NV	40	-4000	-0.686695	20	PASS
			NV	50	-4000	-0.686695	20	PASS
11N40SI SO	Ant1	5755	NV	-30	-4000	-0.695048	20	PASS
			NV	-20	-4000	-0.695048	20	PASS
			NV	-10	-4000	-0.695048	20	PASS
			NV	0	-4000	-0.695048	20	PASS
			NV	10	-4000	-0.695048	20	PASS
			NV	20	-4000	-0.695048	20	PASS
			NV	30	-4000	-0.695048	20	PASS
			NV	40	-4000	-0.695048	20	PASS
			NV	50	-4000	-0.695048	20	PASS
		5795	NV	-30	-4000	-0.69025	20	PASS
			NV	-20	-4000	-0.69025	20	PASS
			NV	-10	-4000	-0.69025	20	PASS
			NV	0	-4000	-0.69025	20	PASS
			NV	10	-4000	-0.69025	20	PASS
			NV	20	-4000	-0.69025	20	PASS
			NV	30	-4000	-0.69025	20	PASS
			NV	40	-4000	-0.69025	20	PASS
			NV	50	-4000	-0.69025	20	PASS
11AC20S ISO	Ant1	5745	NV	-30	-4000	-0.696258	20	PASS
			NV	-20	-4000	-0.696258	20	PASS
			NV	-10	-5000	-0.870322	20	PASS
			NV	0	-5000	-0.870322	20	PASS



			NV	10	-5000	-0.870322	20	PASS
			NV	20	-5000	-0.870322	20	PASS
			NV	30	-5000	-0.870322	20	PASS
			NV	40	-5000	-0.870322	20	PASS
			NV	50	-4000	-0.696258	20	PASS
		5785	NV	-30	-4000	-0.691443	20	PASS
			NV	-20	-4000	-0.691443	20	PASS
			NV	-10	-4000	-0.691443	20	PASS
			NV	0	-4000	-0.691443	20	PASS
			NV	10	-4000	-0.691443	20	PASS
			NV	20	-4000	-0.691443	20	PASS
			NV	30	-4000	-0.691443	20	PASS
			NV	40	-5000	-0.864304	20	PASS
			NV	50	-4000	-0.691443	20	PASS
		5825	NV	-30	-5000	-0.858369	20	PASS
			NV	-20	-5000	-0.858369	20	PASS
			NV	-10	-5000	-0.858369	20	PASS
			NV	0	-5000	-0.858369	20	PASS
			NV	10	-5000	-0.858369	20	PASS
			NV	20	-5000	-0.858369	20	PASS
			NV	30	-4000	-0.686695	20	PASS
			NV	40	-5000	-0.858369	20	PASS
			NV	50	-5000	-0.858369	20	PASS
11AC40S ISO	Ant1	5755	NV	-30	-4000	-0.695048	20	PASS
			NV	-20	-4000	-0.695048	20	PASS
			NV	-10	-4000	-0.695048	20	PASS
			NV	0	-5000	-0.86881	20	PASS
			NV	10	-4000	-0.695048	20	PASS
			NV	20	-4000	-0.695048	20	PASS
			NV	30	-4000	-0.695048	20	PASS
			NV	40	-4000	-0.695048	20	PASS
			NV	50	-4000	-0.695048	20	PASS
		5795	NV	-30	-5000	-0.862813	20	PASS
			NV	-20	-5000	-0.862813	20	PASS
			NV	-10	-5000	-0.862813	20	PASS
			NV	0	-5000	-0.862813	20	PASS
			NV	10	-5000	-0.862813	20	PASS
			NV	20	-5000	-0.862813	20	PASS
			NV	30	-5000	-0.862813	20	PASS
			NV	40	-5000	-0.862813	20	PASS
			NV	50	-5000	-0.862813	20	PASS
11AC80S ISO	Ant1	5775	NV	-30	-5000	-0.865801	20	PASS
			NV	-20	-4000	-0.692641	20	PASS



			NV	-10	-5000	-0.865801	20	PASS
			NV	0	-4000	-0.692641	20	PASS
			NV	10	-5000	-0.865801	20	PASS
			NV	20	-5000	-0.865801	20	PASS
			NV	30	-5000	-0.865801	20	PASS
			NV	40	-5000	-0.865801	20	PASS
			NV	50	-5000	-0.865801	20	PASS



E.6 Duty Cycle

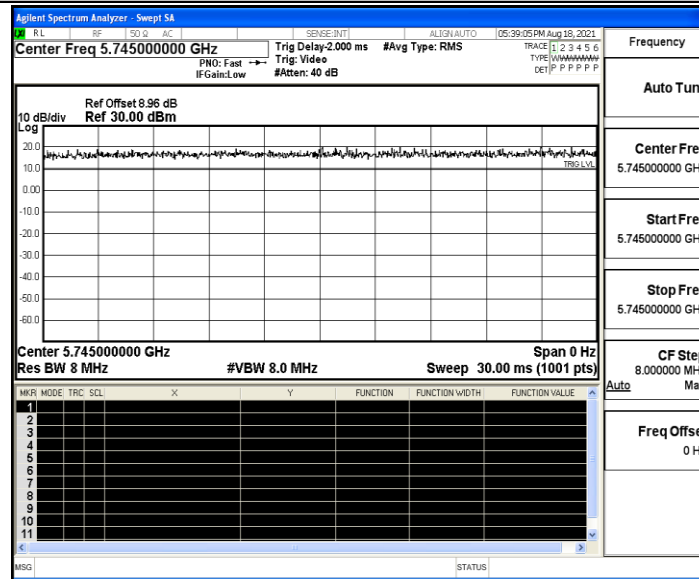
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11N20SISO	Ant1	5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11N40SISO	Ant1	5755	30.00	30.00	100.00	---	PASS
		5795	30.00	30.00	100.00	---	PASS
11AC20SISO	Ant1	5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11AC40SISO	Ant1	5755	30.00	30.00	100.00	---	PASS
		5795	30.00	30.00	100.00	---	PASS
11AC80SISO	Ant1	5775	30.00	30.00	100.00	---	PASS

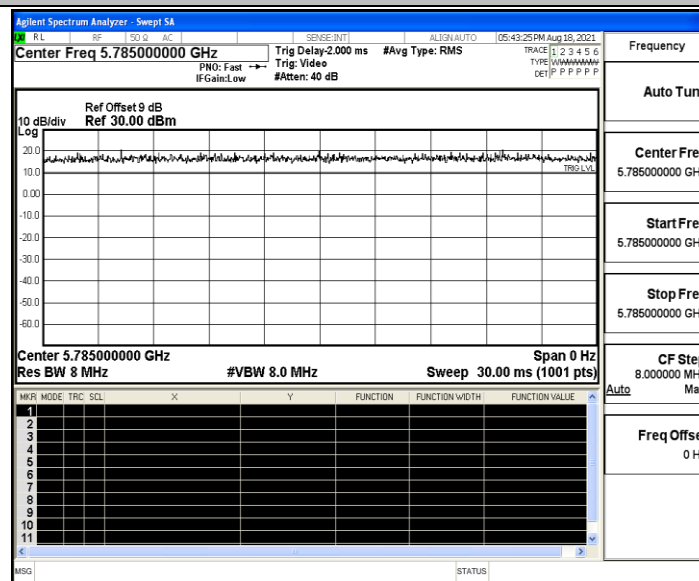


Test Graphs

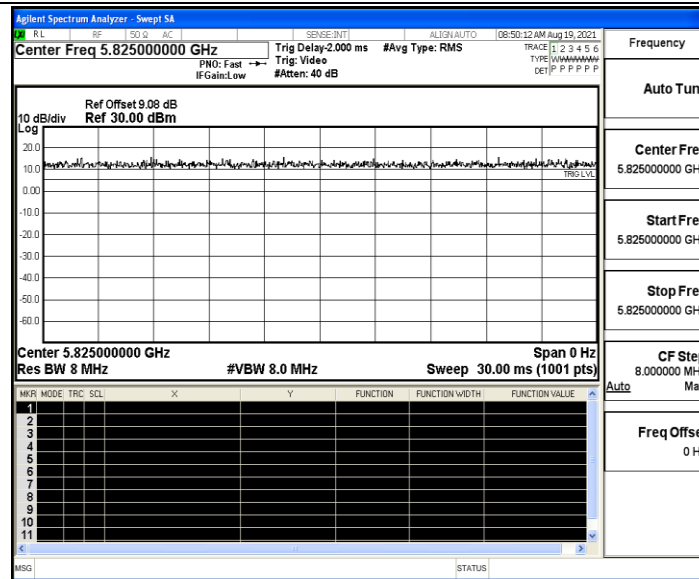
11A_Ant1_5745



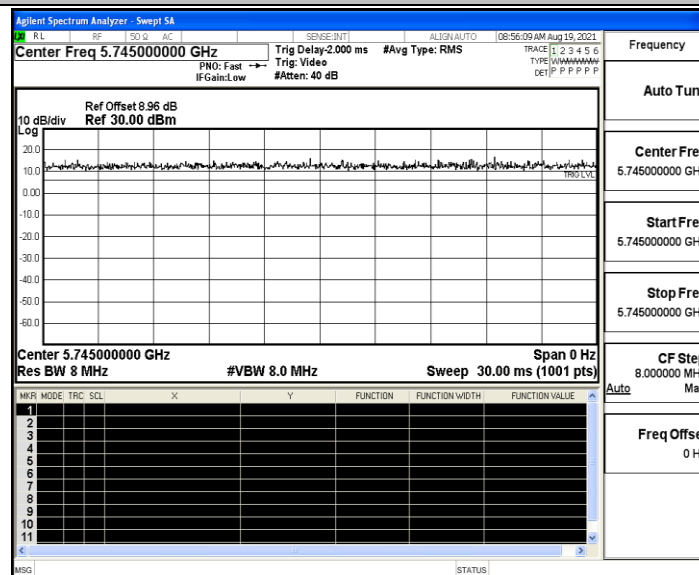
11A_Ant1_5785



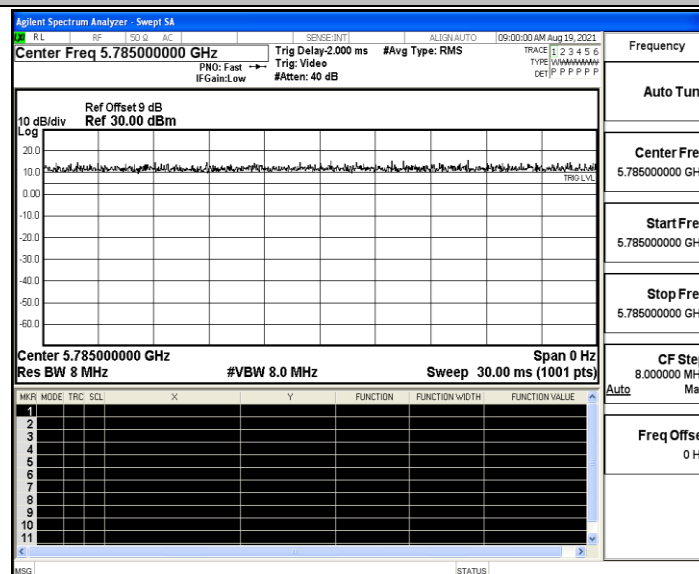
11A_Ant1_5825



11N20SISO_Ant1_5745

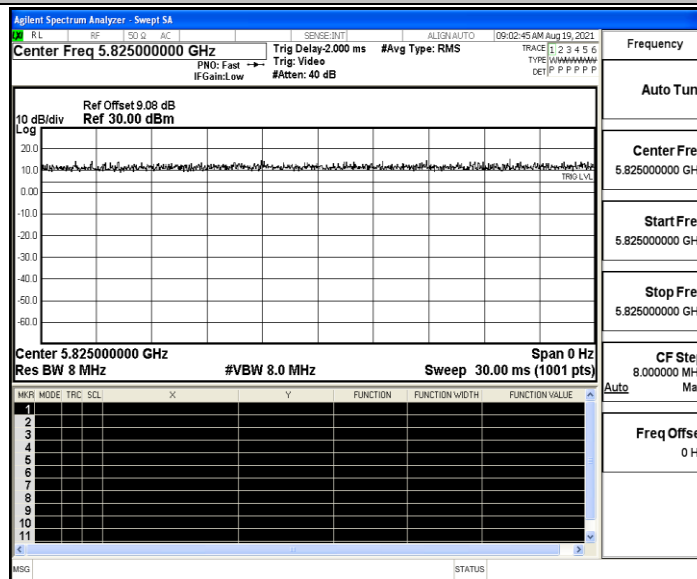


11N20SISO_Ant1_5785

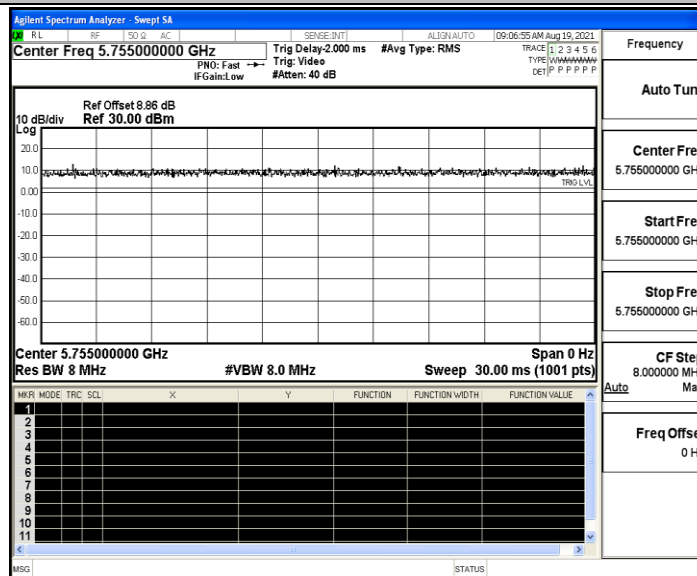




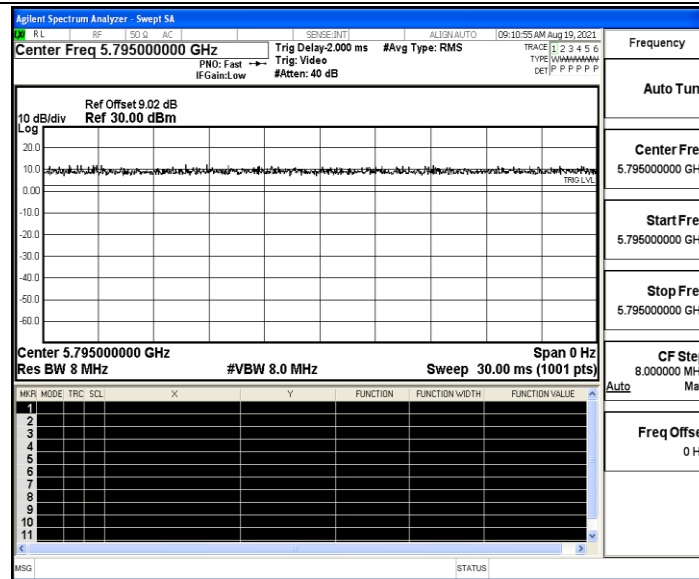
11N20SISO_Ant1_5825



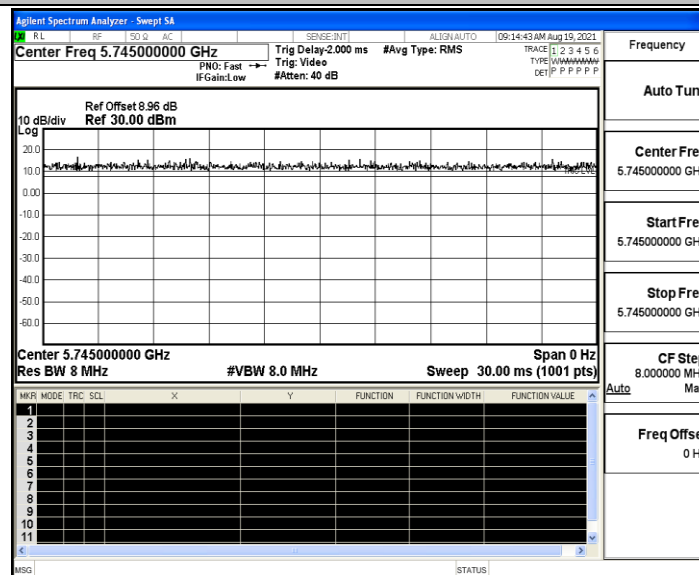
11N40SISO_Ant1_5755



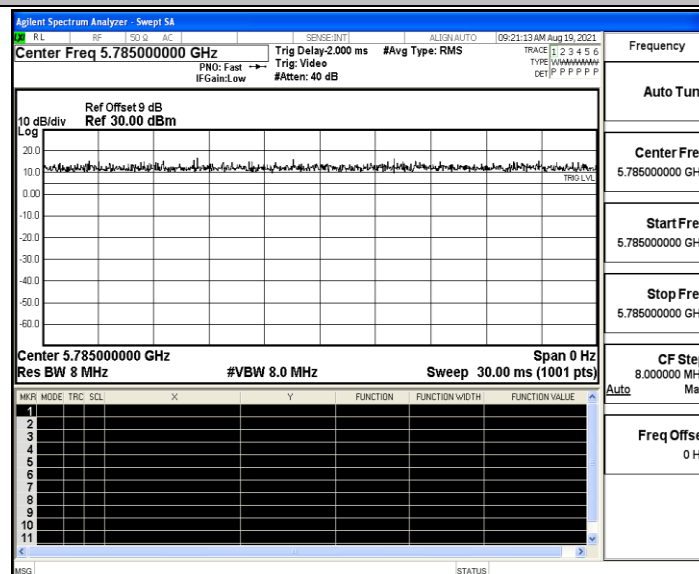
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

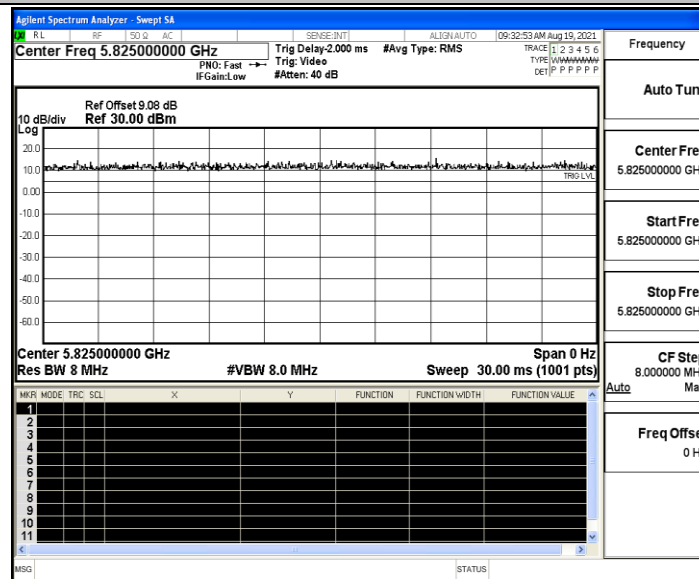


11AC20SISO_Ant1_5785

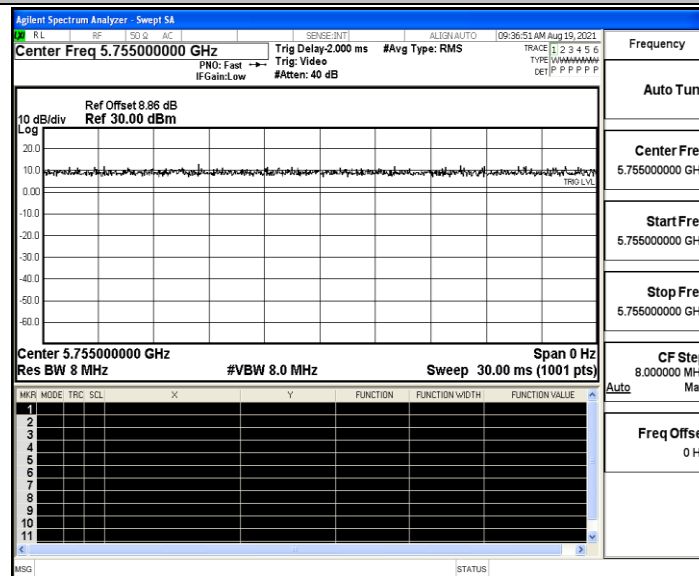




11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

