



## Appendix E

### RF Test Data for 5.8GWIFI (Conducted Measurement)

Product Name: TABLET PC

Test Model: T8

#### Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





## E.1 Min emission bandwidth

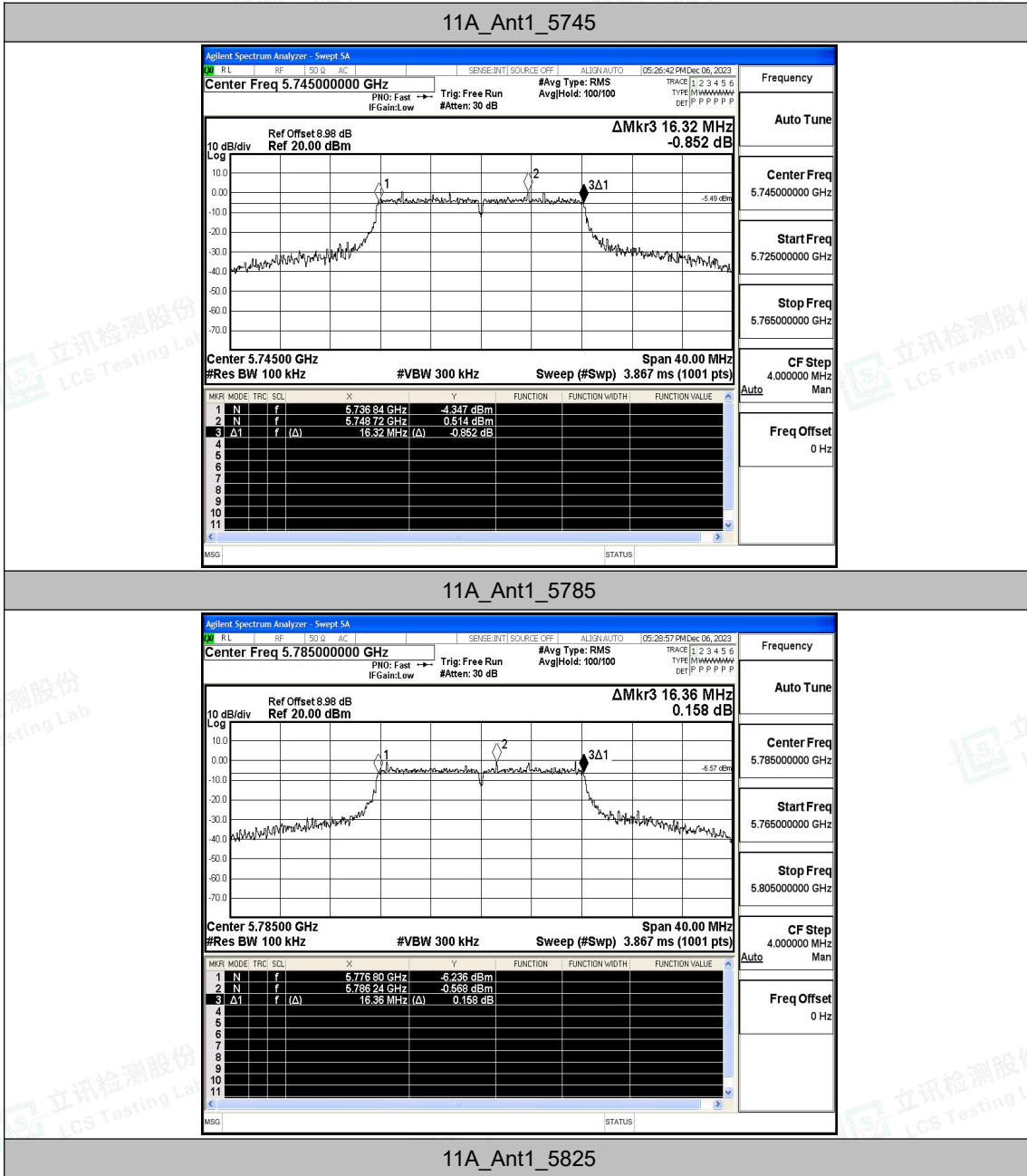
### Test Result

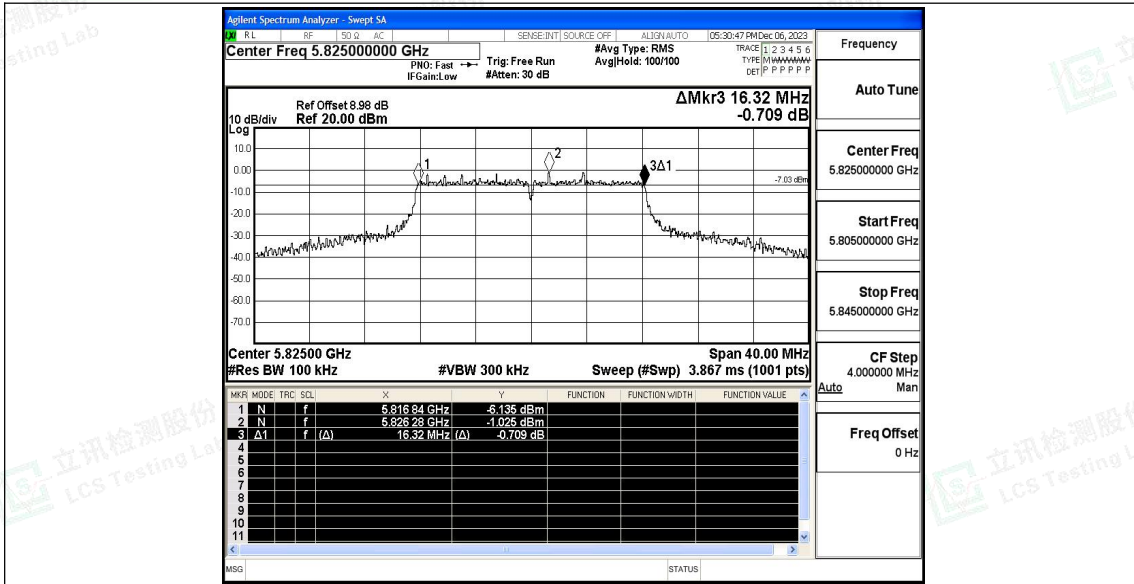
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.280	5736.320	5753.600	0.5	PASS
		5785	17.240	5776.360	5793.600	0.5	PASS
		5825	17.360	5816.240	5833.600	0.5	PASS
11N40SISO	Ant1	5755	35.680	5737.240	5772.920	0.5	PASS
		5795	35.680	5777.080	5812.760	0.5	PASS
11AC20SISO	Ant1	5745	17.120	5736.480	5753.600	0.5	PASS
		5785	17.200	5776.360	5793.560	0.5	PASS
		5825	17.440	5816.320	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	35.600	5737.080	5772.680	0.5	PASS
		5795	35.520	5777.080	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.080	5812.600	0.5	PASS



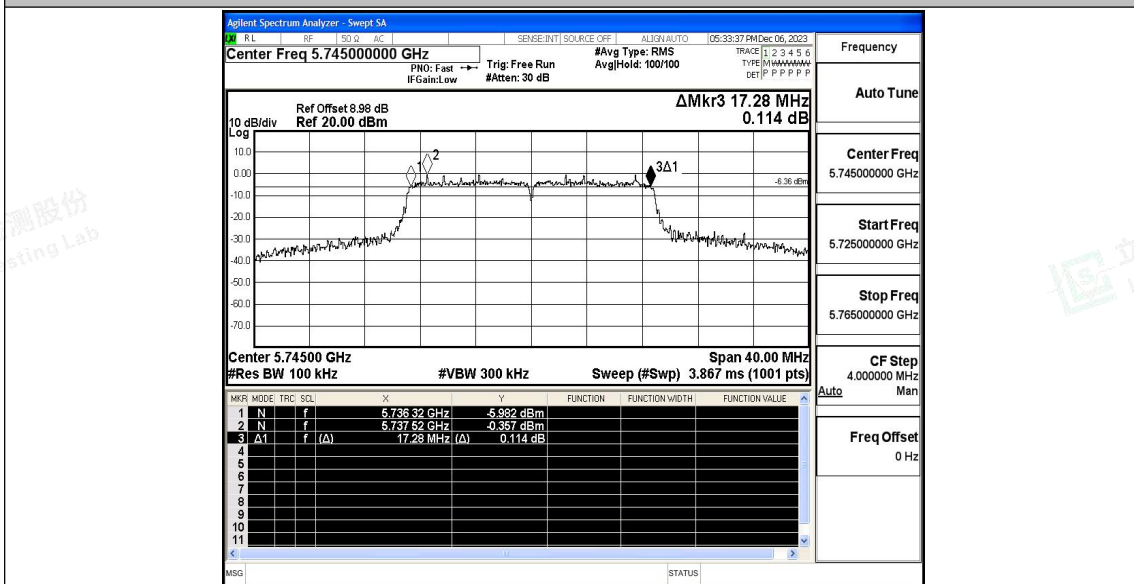


### Test Graphs



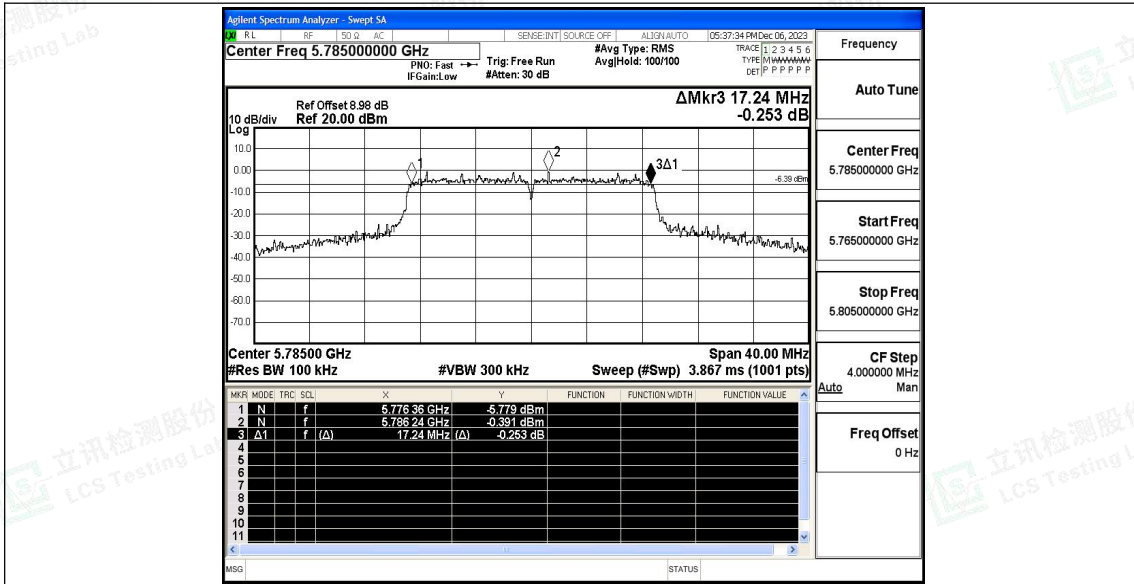


11N20SISO\_Ant1\_5745

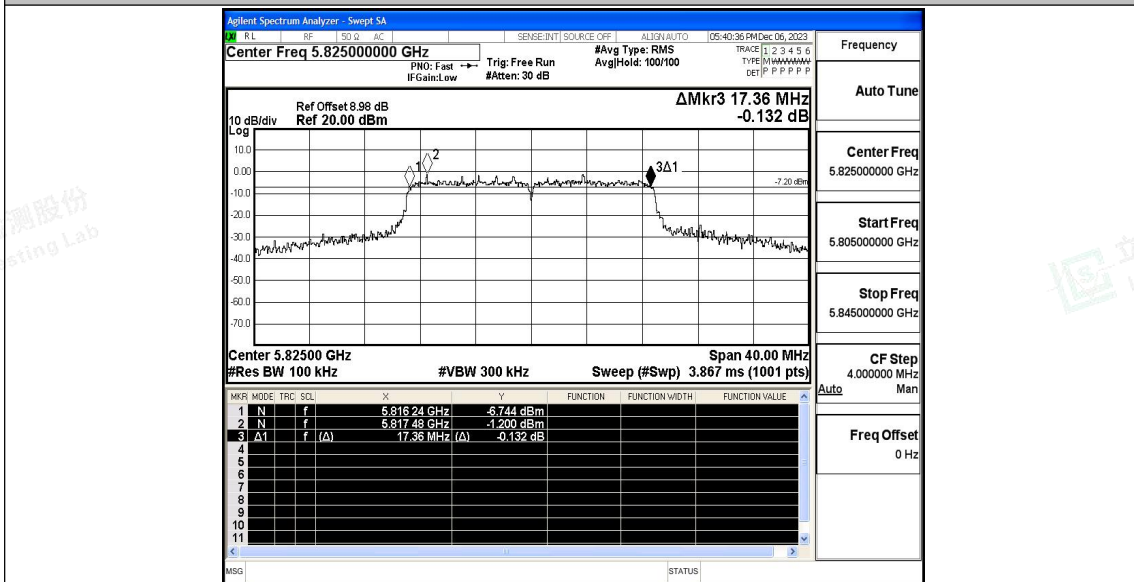


11N20SISO\_Ant1\_5785



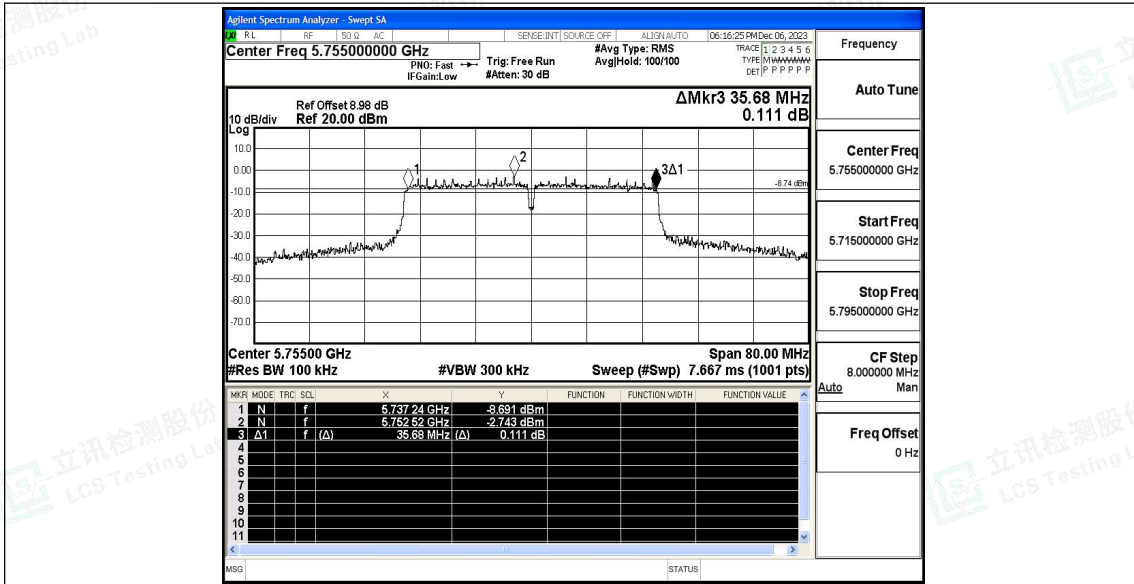


11N20SISO\_Ant1\_5825

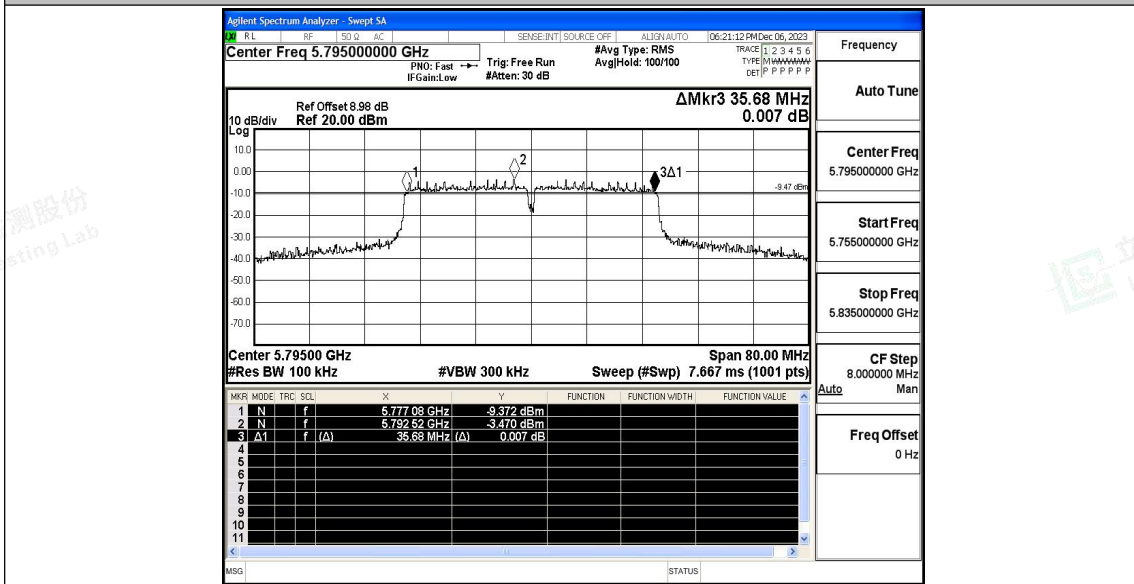


11N40SISO\_Ant1\_5755



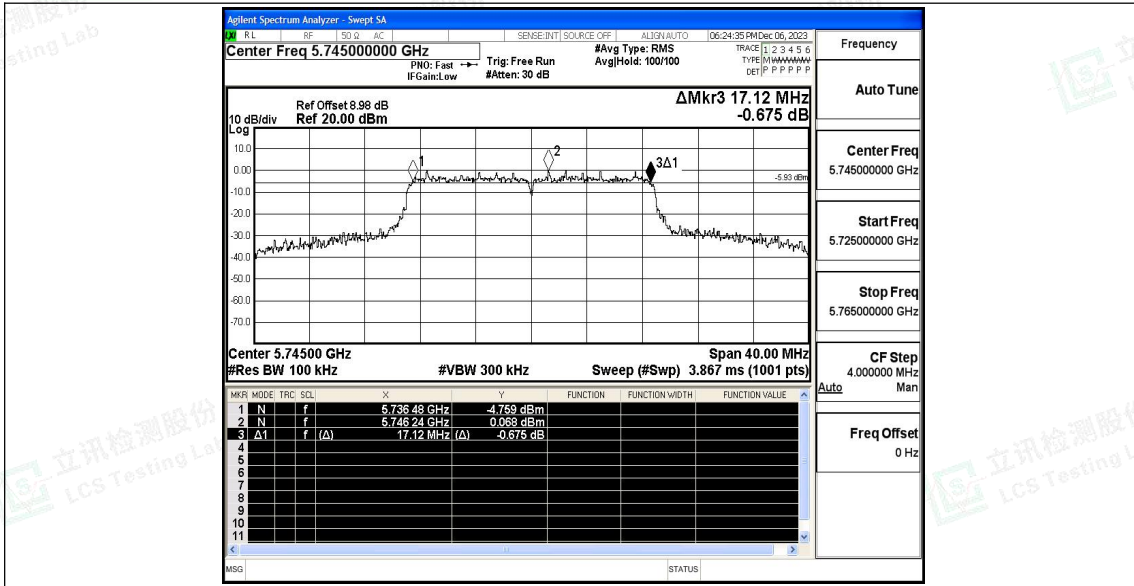


11N40SISO\_Ant1\_5795

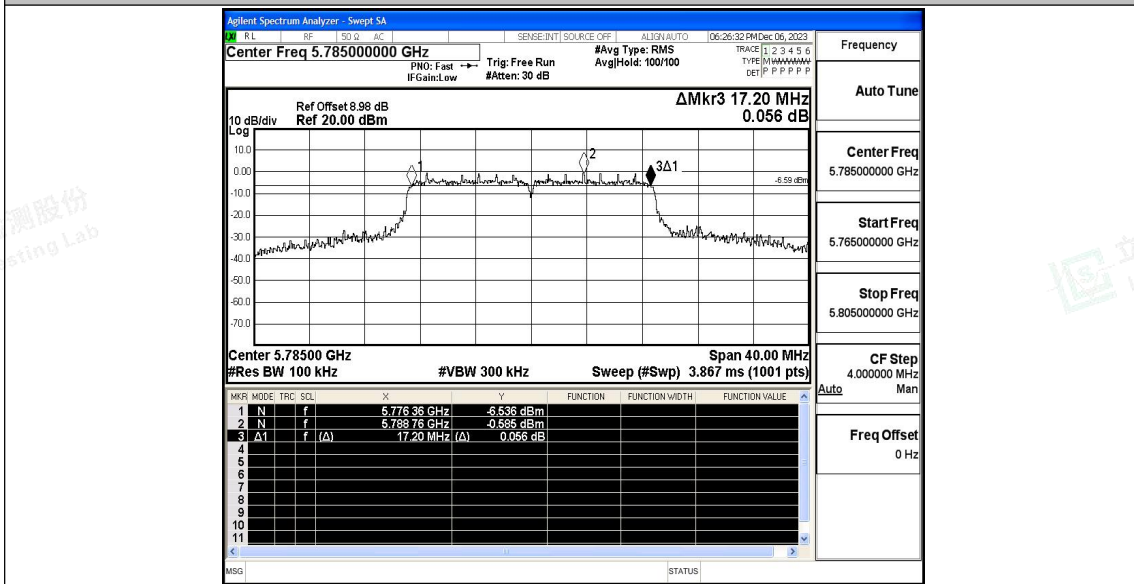


11A20SISO\_Ant1\_5745



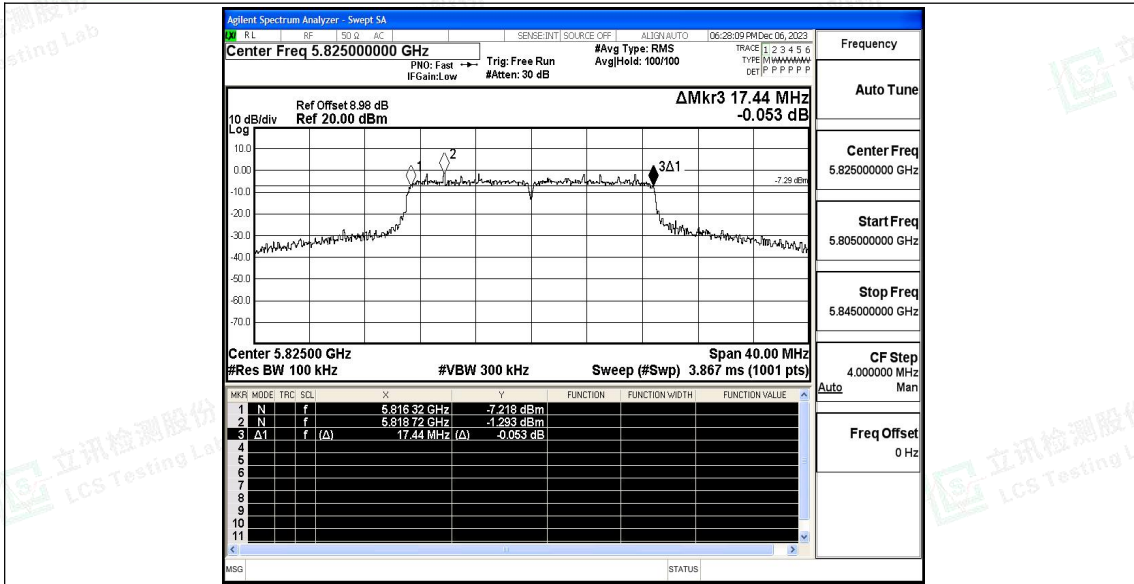


11AC20SISO\_Ant1\_5785

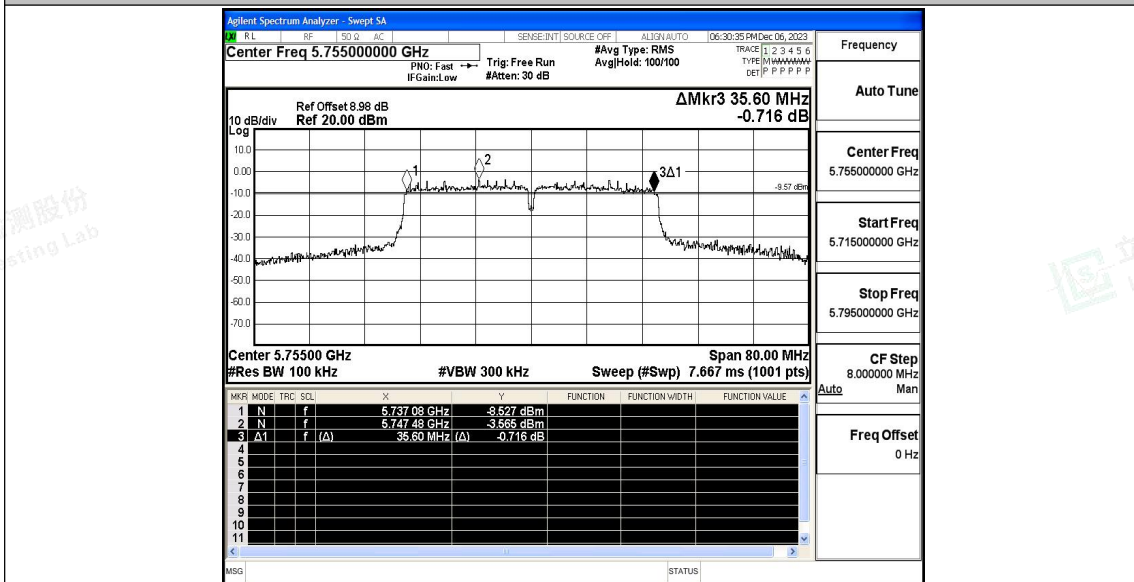


11AC20SISO\_Ant1\_5825





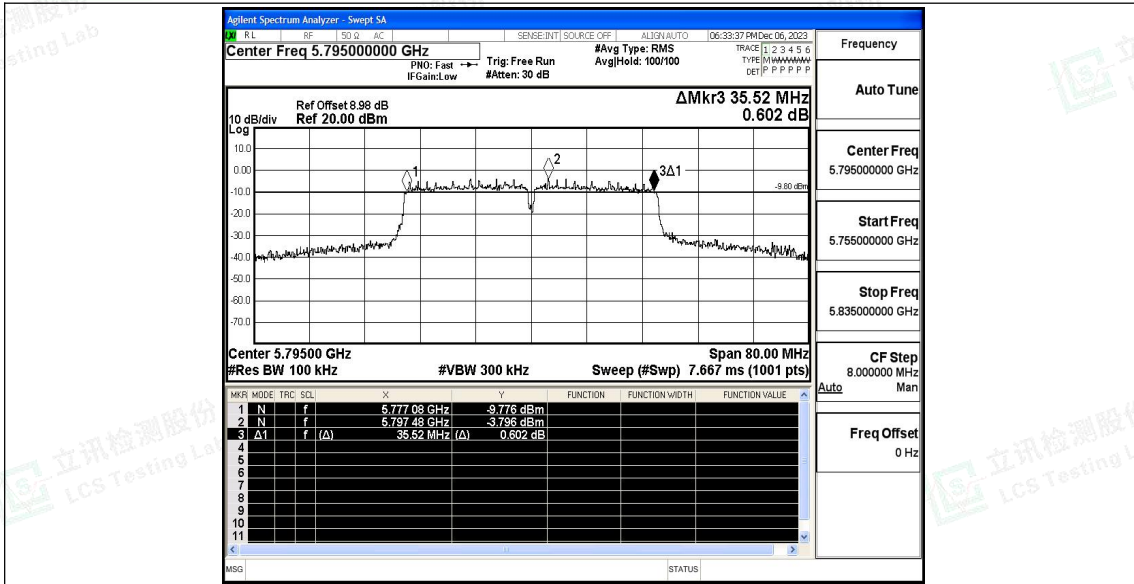
11AC40SISO\_Ant1\_5755



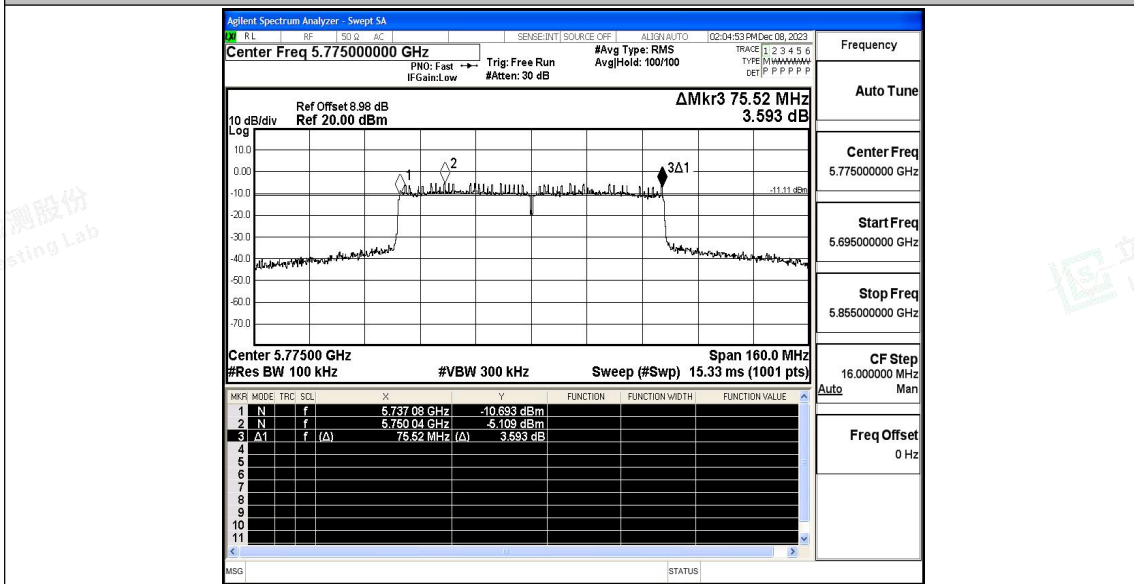
11AC40SISO\_Ant1\_5795







11AC80SISO\_Ant1\_5775





## E.2 Maximum conducted output power

### Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	11.23	95.21	0.21	11.44	≤30.00	PASS
		5785	10.33	95.21	0.21	10.54	≤30.00	PASS
		5825	9.78	95.21	0.21	9.99	≤30.00	PASS
11N20SISO	Ant1	5745	10.92	94.40	0.25	11.17	≤30.00	PASS
		5785	10.57	94.40	0.25	10.82	≤30.00	PASS
		5825	10.11	95.16	0.22	10.33	≤30.00	PASS
11N40SISO	Ant1	5755	10.78	89.23	0.49	11.27	≤30.00	PASS
		5795	10.22	90.77	0.42	10.64	≤30.00	PASS
11AC20SISO	Ant1	5745	11.16	94.40	0.25	11.41	≤30.00	PASS
		5785	10.49	94.40	0.25	10.74	≤30.00	PASS
		5825	9.97	95.20	0.21	10.18	≤30.00	PASS
11AC40SISO	Ant1	5755	10.32	90.77	0.42	10.74	≤30.00	PASS
		5795	9.89	90.91	0.41	10.30	≤30.00	PASS
11AC80SISO	Ant1	5775	10.82	83.33	0.79	11.61	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.





### E.3 Maximum power spectral density

#### Test Result

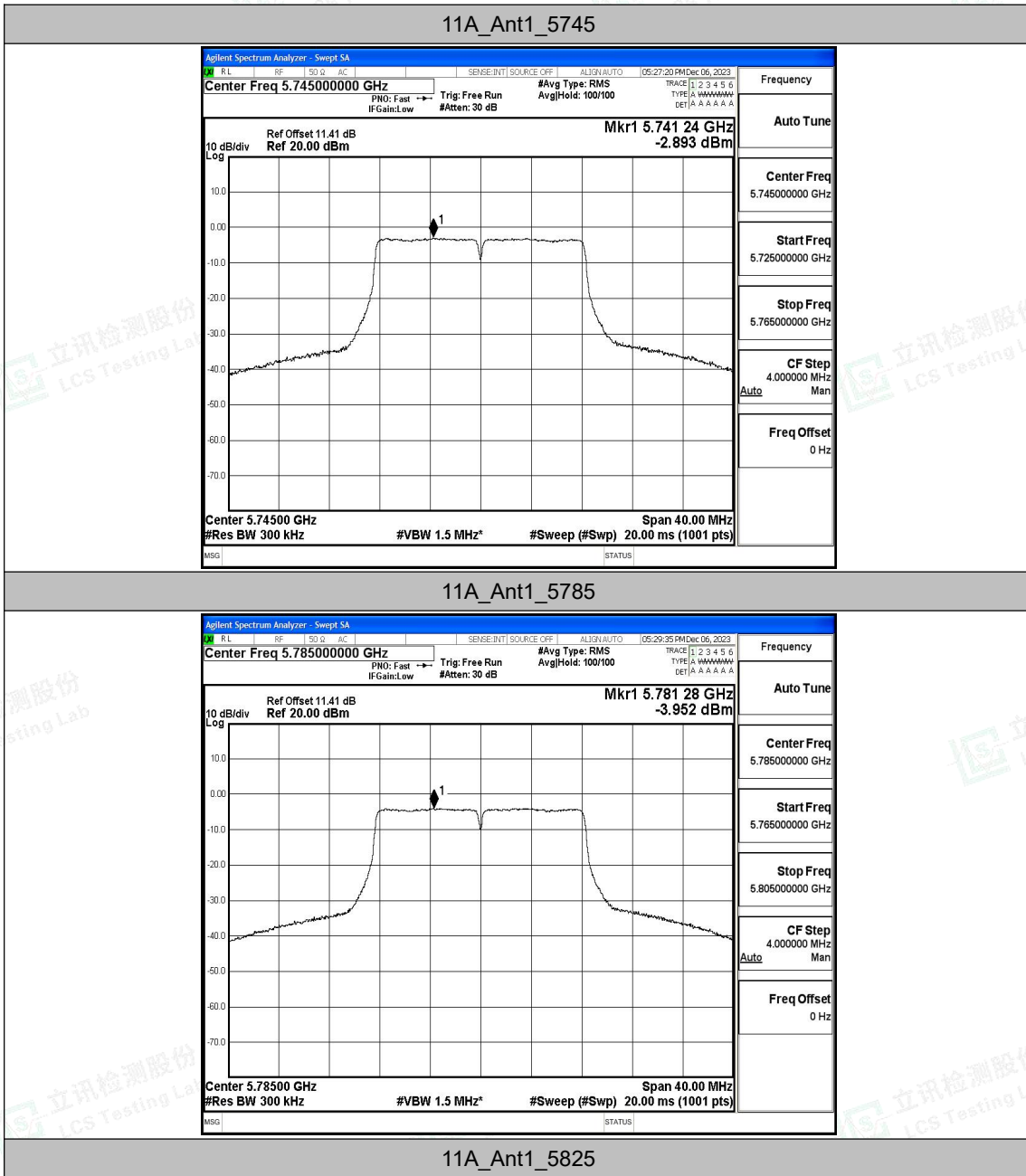
TestMode	Antenna	Frequency[MHz]	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	-2.89	≤30.00	PASS
		5785	-3.95	≤30.00	PASS
		5825	-4.37	≤30.00	PASS
11N20SISO	Ant1	5745	-3.39	≤30.00	PASS
		5785	-3.73	≤30.00	PASS
		5825	-4.18	≤30.00	PASS
11N40SISO	Ant1	5755	-6.19	≤30.00	PASS
		5795	-6.79	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.15	≤30.00	PASS
		5785	-3.9	≤30.00	PASS
		5825	-4.57	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.45	≤30.00	PASS
		5795	-7	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.59	≤30.00	PASS

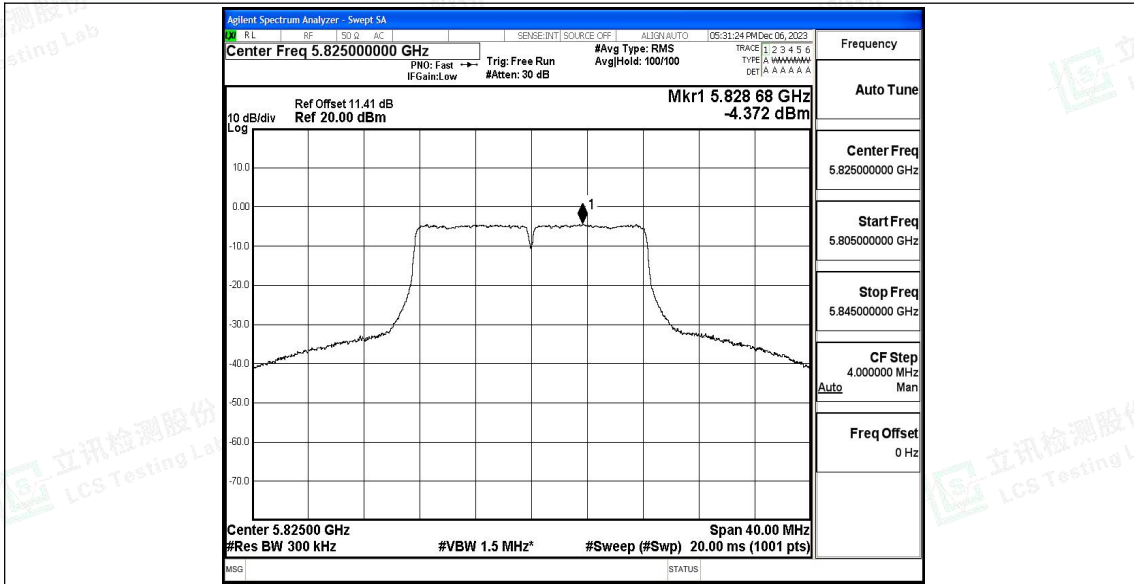
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



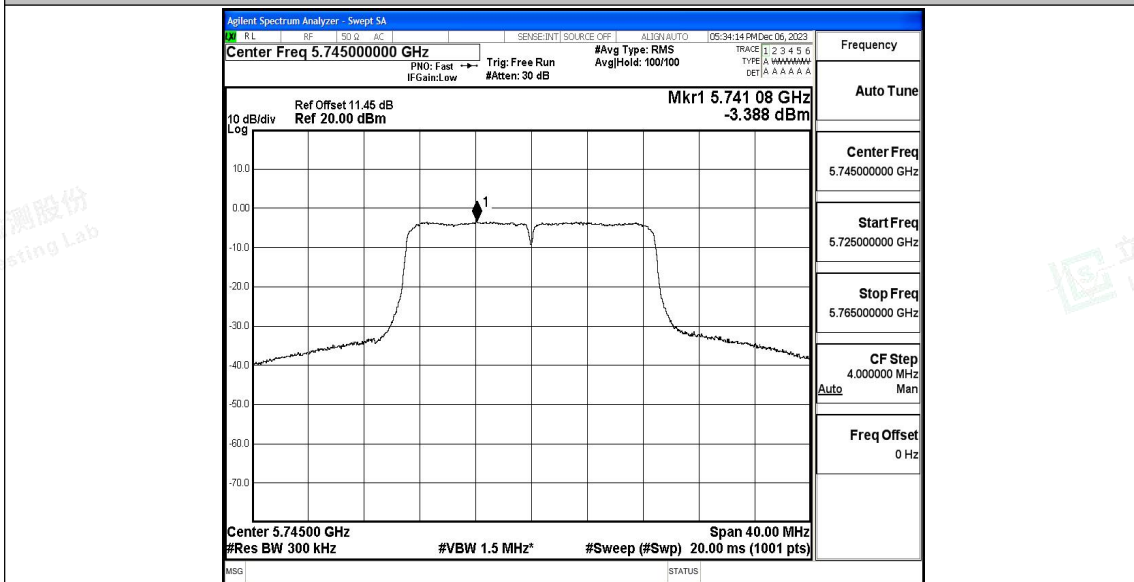


### Test Graphs



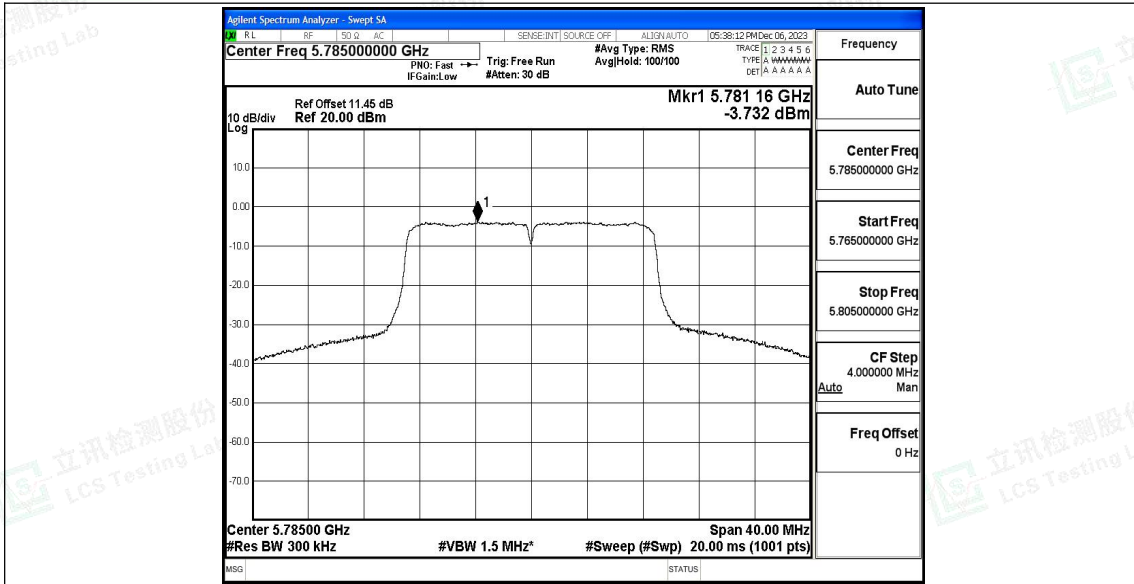


11N20SISO\_Ant1\_5745

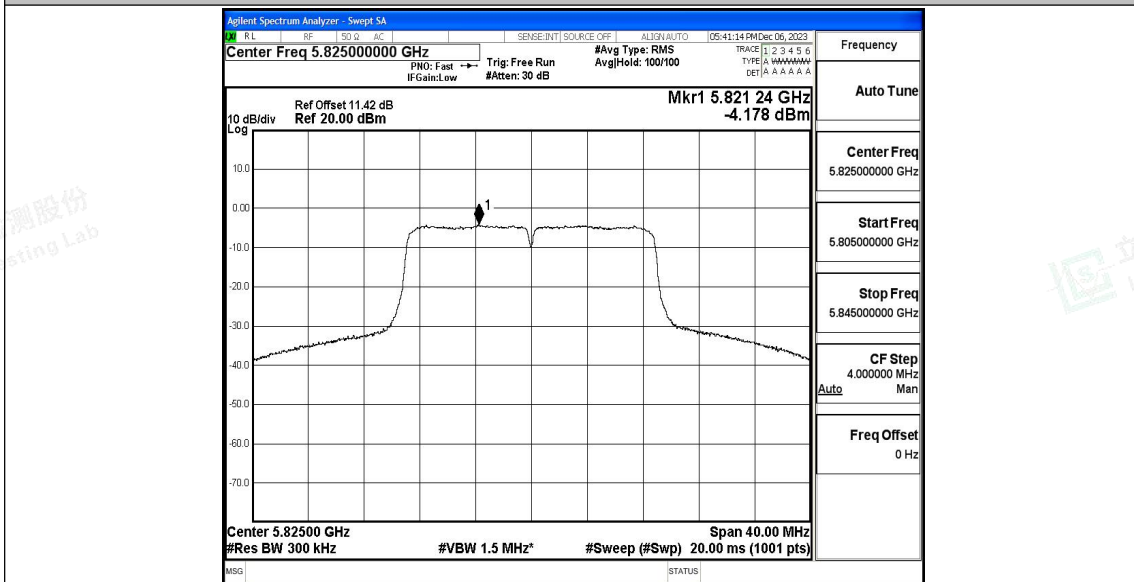


11N20SISO\_Ant1\_5785



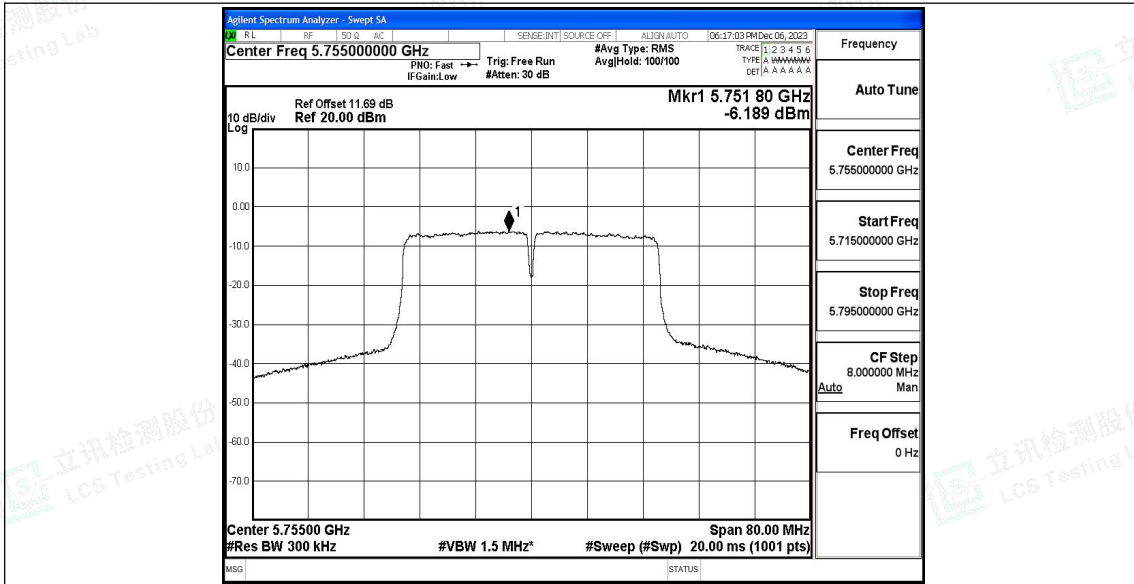


11N20SISO\_Ant1\_5825

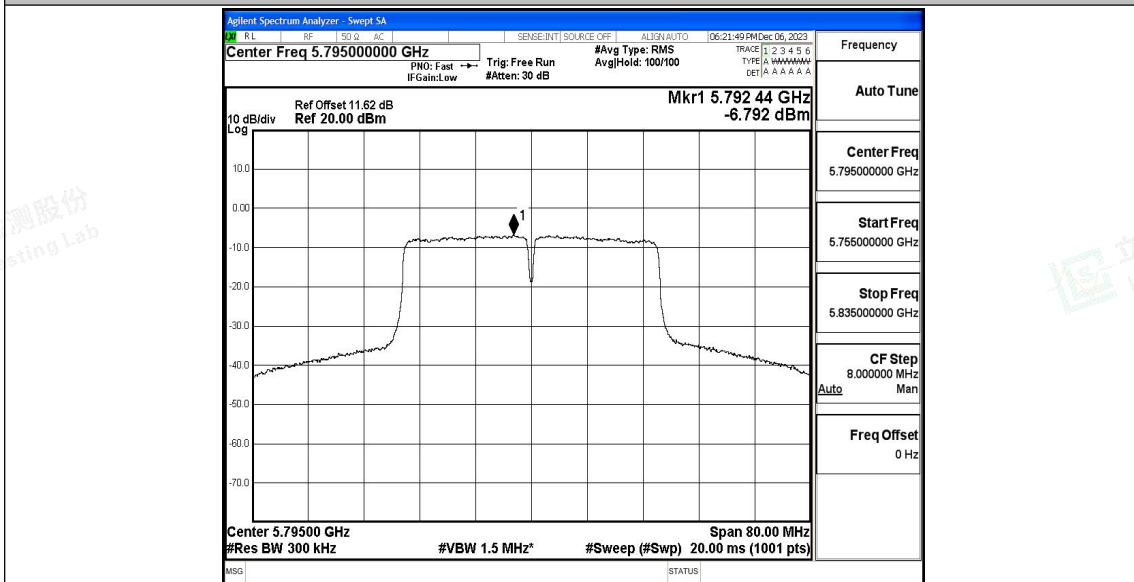


11N40SISO\_Ant1\_5755



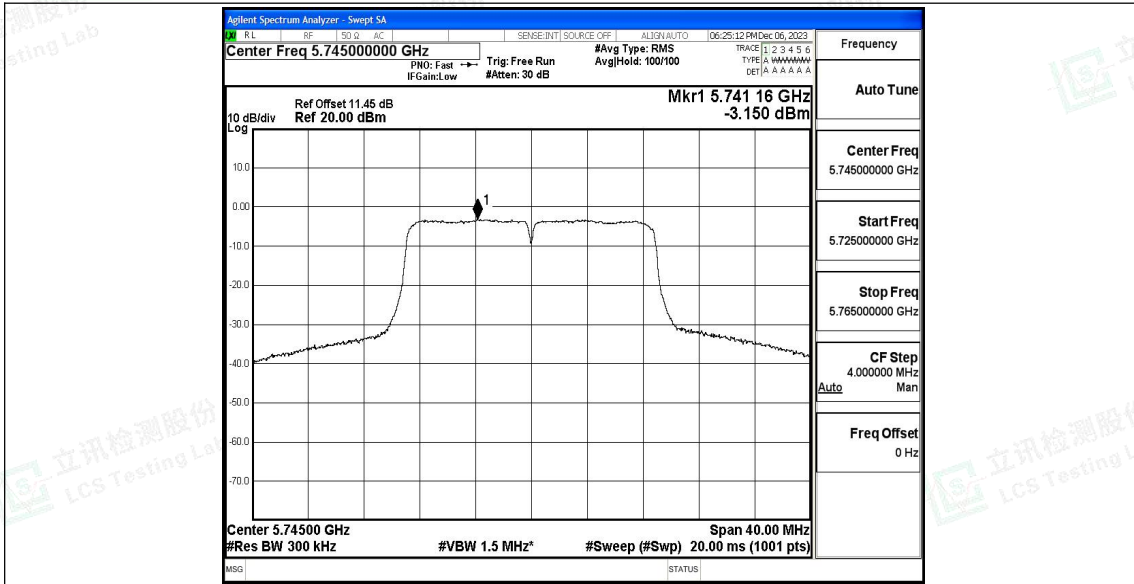


11N40SISO\_Ant1\_5795

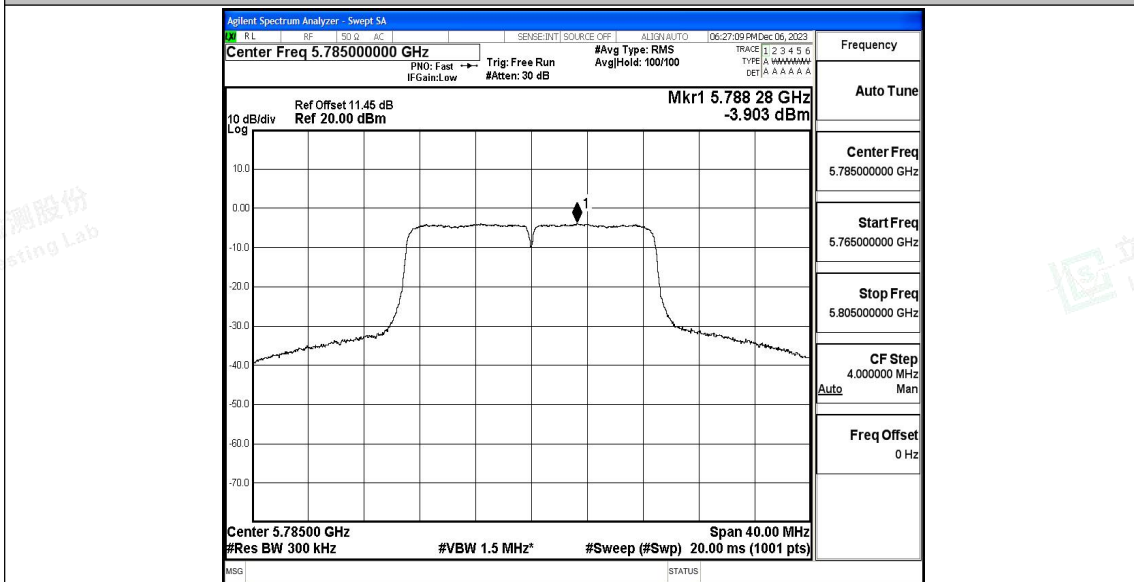


11AC20SISO\_Ant1\_5745





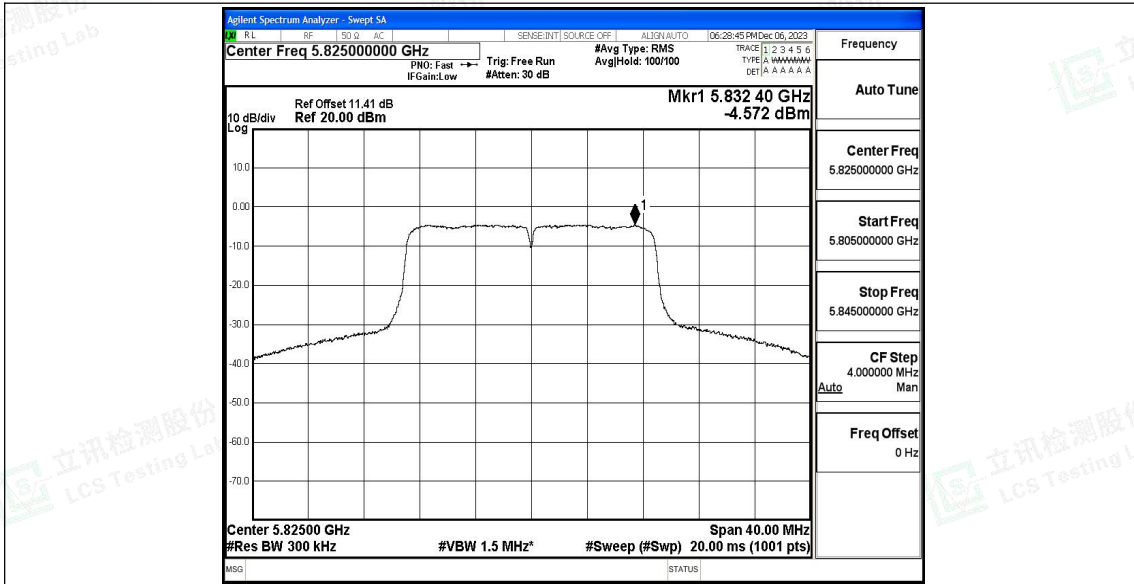
11AC20SISO\_Ant1\_5785



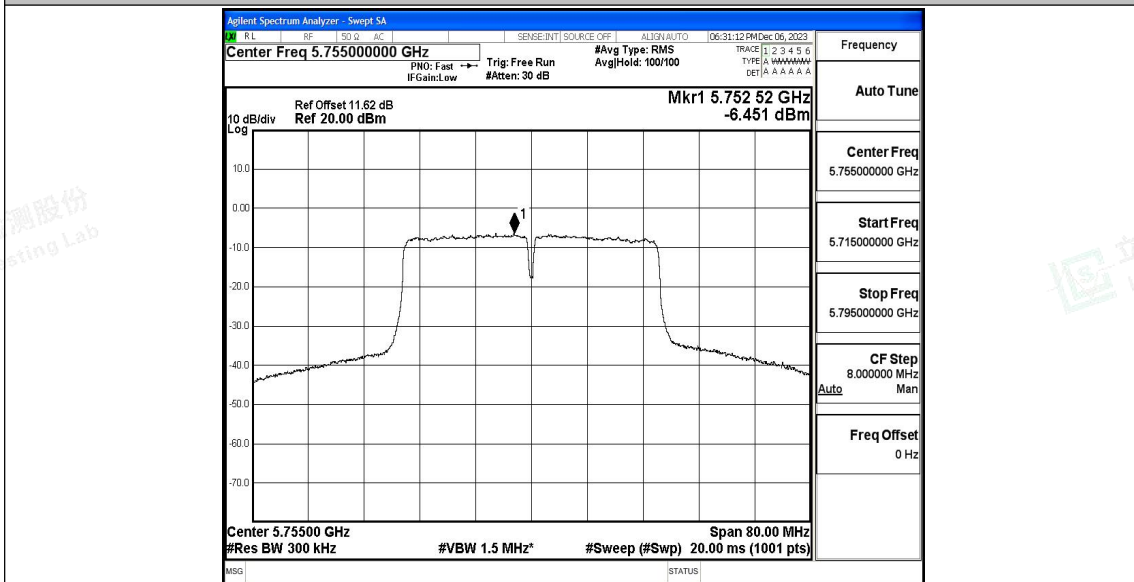
11AC20SISO\_Ant1\_5825





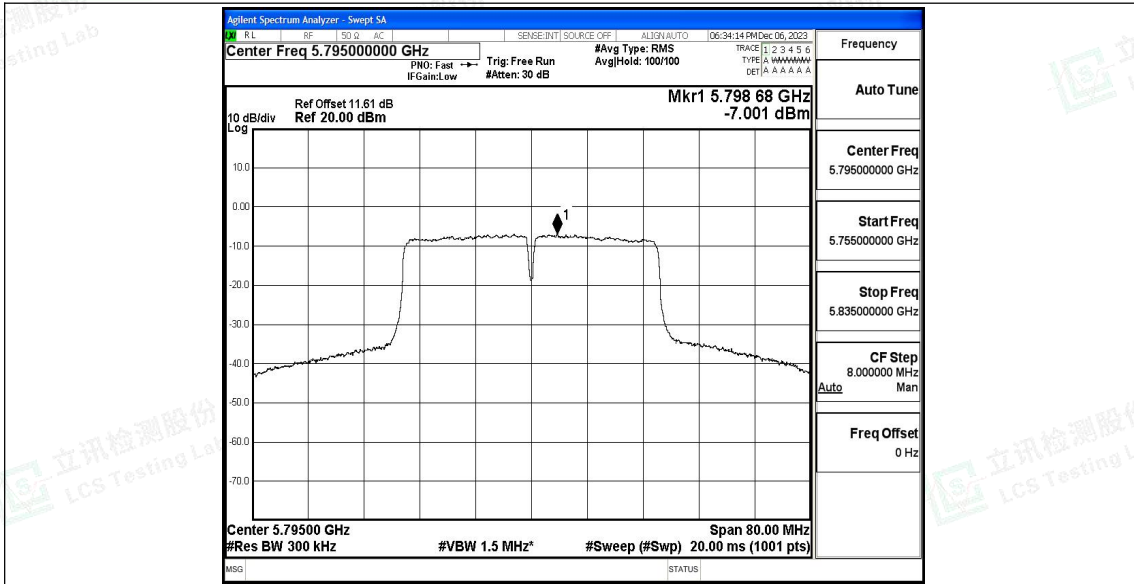


11AC40SISO\_Ant1\_5755

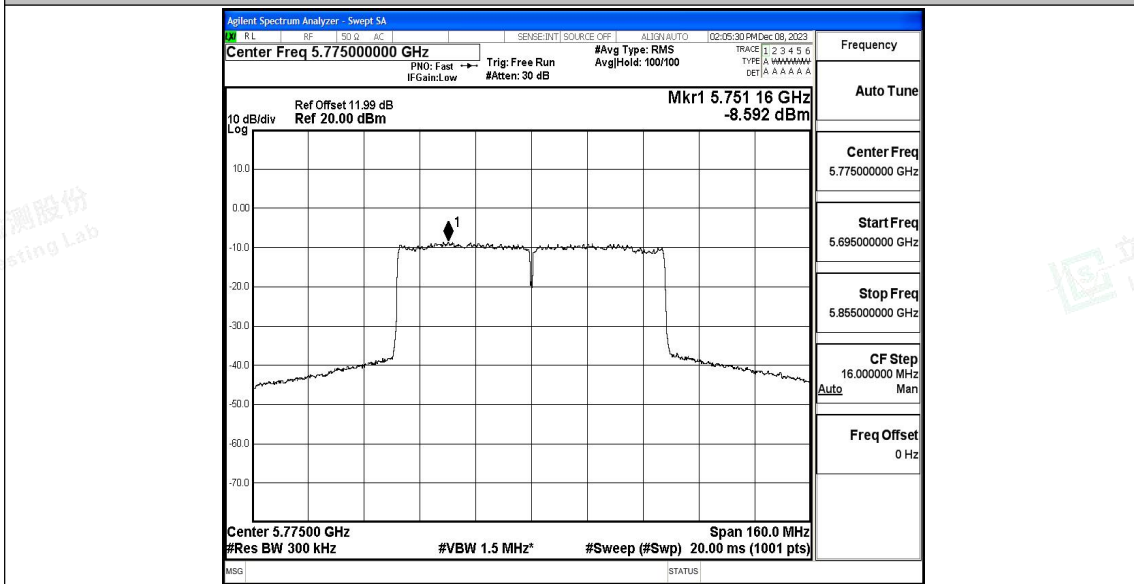


11AC40SISO\_Ant1\_5795





11AC80SISO\_Ant1\_5775





## E.4 Emissions in Restricted Bands

### Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-49.133	≤-27.00	---	---	PASS
				Peak	5700.000	-46.01	≤10.00	---	---	PASS
				Peak	5720.000	-29.18	≤15.60	---	---	PASS
				Peak	5725.000	-23.58	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-38.384	≤27.00	---	---	PASS
				Peak	5855.000	-46.4	≤15.60	---	---	PASS
				Peak	5875.000	-47.15	≤10.00	---	---	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-47.945	≤-27.00	---	---	PASS
				Peak	5700.000	-42.75	≤10.00	---	---	PASS
				Peak	5720.000	-28.68	≤15.60	---	---	PASS
				Peak	5725.000	-25.05	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-34.973	≤27.00	---	---	PASS
				Peak	5855.000	-46.66	≤15.60	---	---	PASS
				Peak	5875.000	-45.78	≤10.00	---	---	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-49.714	≤-27.00	---	---	PASS
				Peak	5700.000	-41.91	≤10.00	---	---	PASS
				Peak	5720.000	-29.95	≤15.60	---	---	PASS
				Peak	5725.000	-26.11	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-42.64	≤27.00	---	---	PASS
				Peak	5855.000	-42.54	≤15.60	---	---	PASS
				Peak	5875.000	-48.58	≤10.00	---	---	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-48.398	≤-27.00	---	---	PASS
				Peak	5700.000	-39.04	≤10.00	---	---	PASS
				Peak	5720.000	-27.54	≤15.60	---	---	PASS
				Peak	5725.000	-22.52	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-36.574	≤27.00	---	---	PASS
				Peak	5855.000	-40.92	≤15.60	---	---	PASS
				Peak	5875.000	-46.99	≤10.00	---	---	PASS
11AC40SISO	Ant1	Low	5755	Peak	5650.000	-49.105	≤-27.00	---	---	PASS
				Peak	5700.000	-39.51	≤10.00	---	---	PASS





		High	5795	Peak	5720.000	-25.68	≤15.60	---	---	PASS
				Peak	5725.000	-25.28	≤27.00	---	---	PASS
				Peak	5850.000	-41.048	≤27.00	---	---	PASS
				Peak	5855.000	-44.68	≤15.60	---	---	PASS
				Peak	5875.000	-46.99	≤10.00	---	---	PASS
				Peak	5925.000	-50.74	≤-27.00	---	---	PASS
11AC80SI SO	Ant1	Low	5775	Peak	5650.000	-45.075	≤-27.00	---	---	PASS
				Peak	5700.000	-28.16	≤10.00	---	---	PASS
				Peak	5720.000	-24.89	≤15.60	---	---	PASS
				Peak	5725.000	-25.12	≤27.00	---	---	PASS
		High	5775	Peak	5850.000	-31.821	≤27.00	---	---	PASS
				Peak	5855.000	-30.03	≤15.60	---	---	PASS
				Peak	5875.000	-36.08	≤10.00	---	---	PASS
				Peak	5925.000	-48.53	≤-27.00	---	---	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

