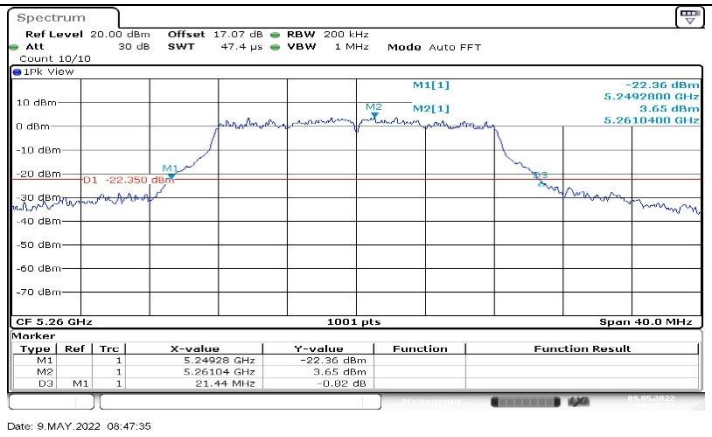
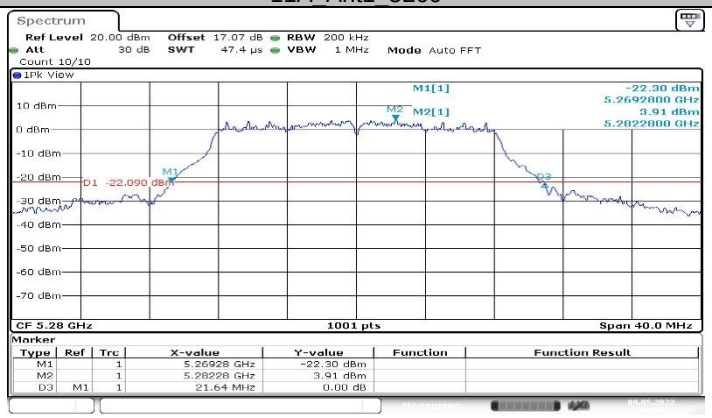
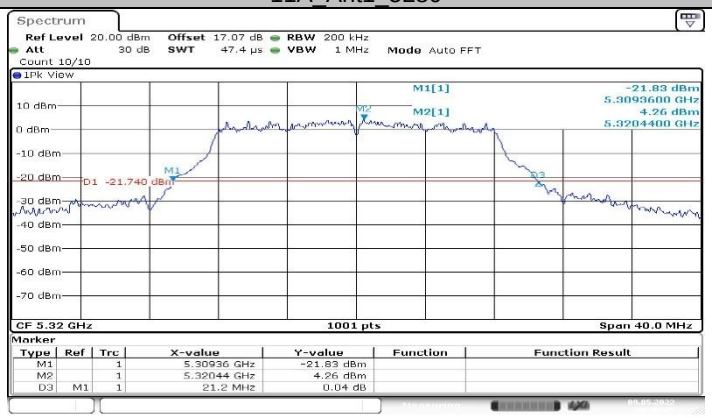


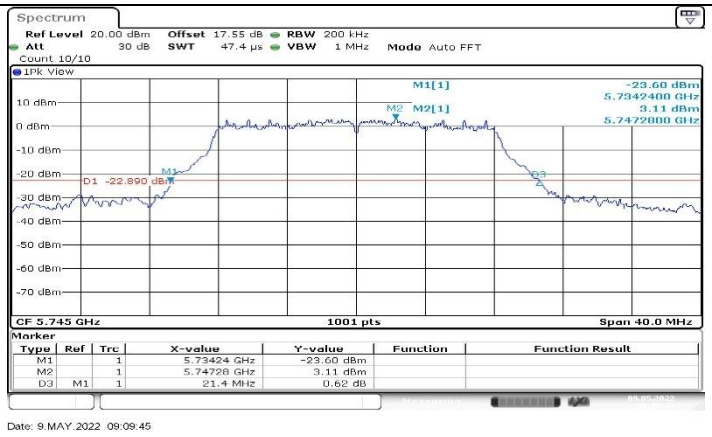
11A_Ant1_5260



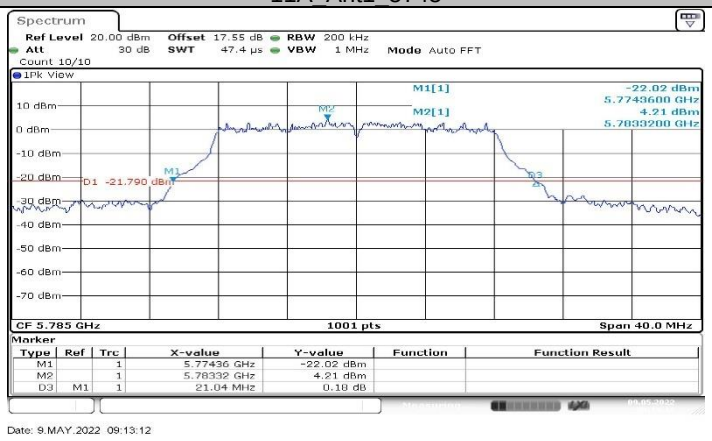
11A_Ant1_5280



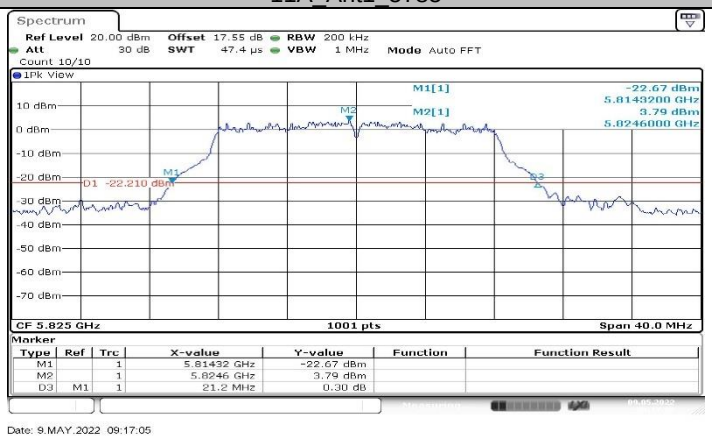
11A_Ant1_5320



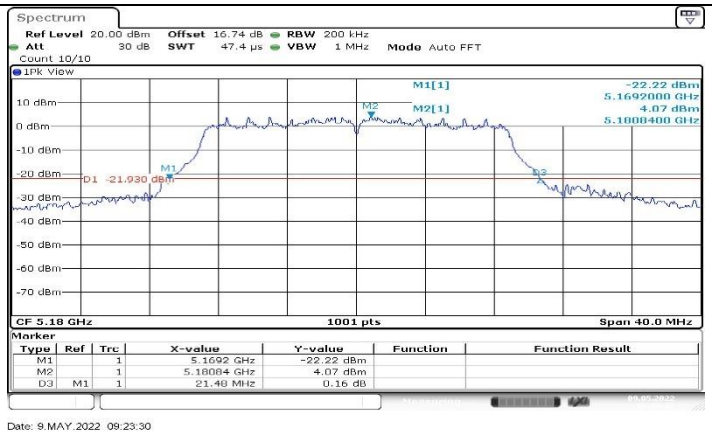
11A_Ant1_5745



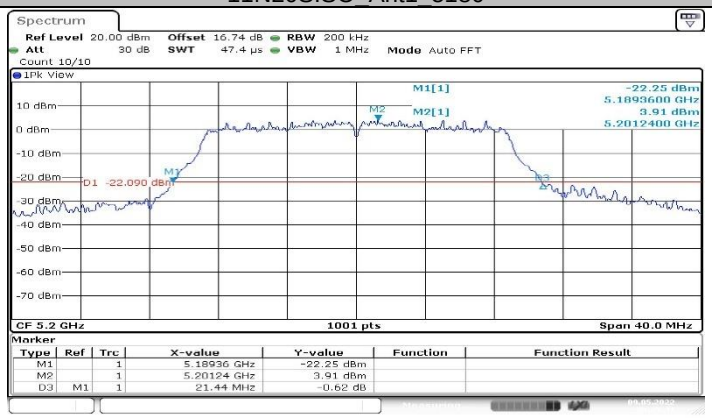
11A_Ant1_5785



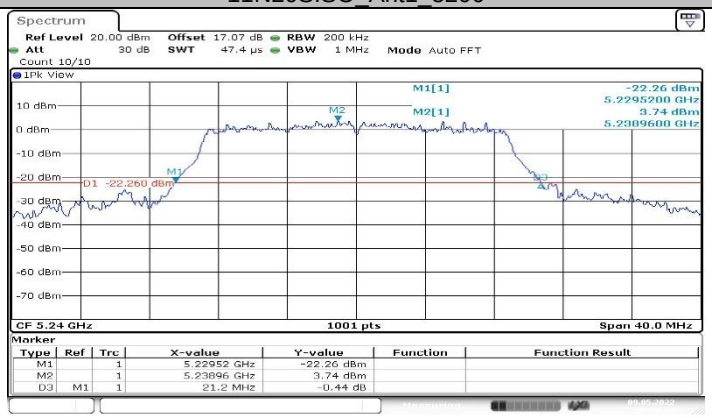
11A_Ant1_5825



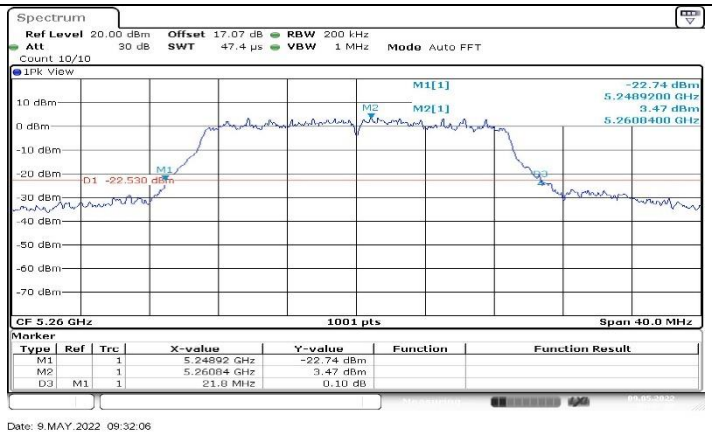
11N20SISO_Ant1_5180



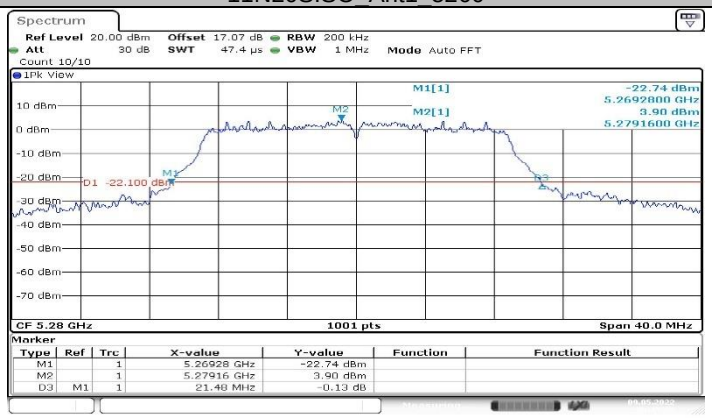
11N20SISO_Ant1_5200



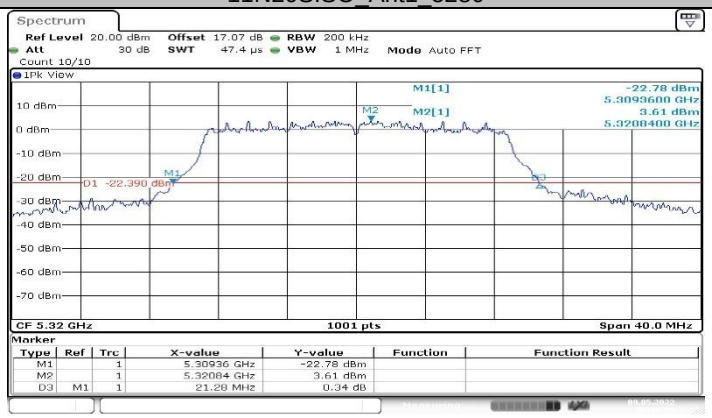
11N20SISO_Ant1_5240



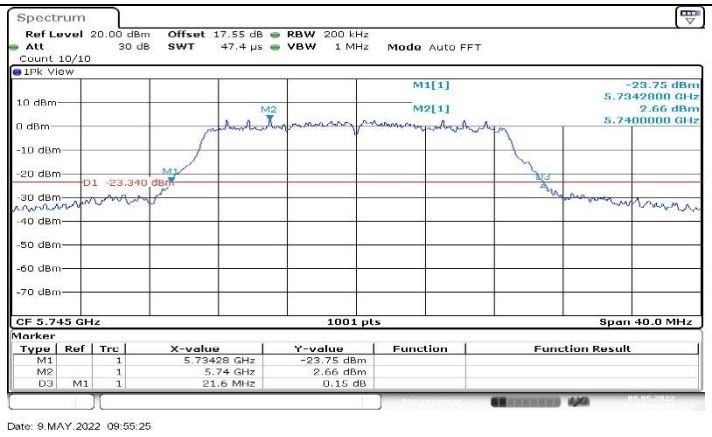
11N20SISO_Ant1_5260



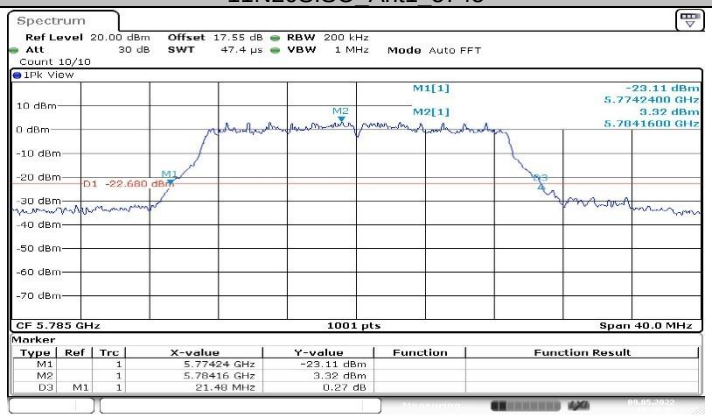
11N20SISO_Ant1_5280



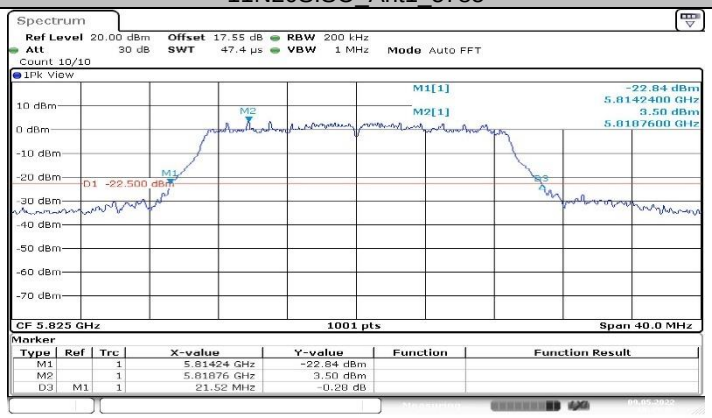
11N20SISO_Ant1_5320



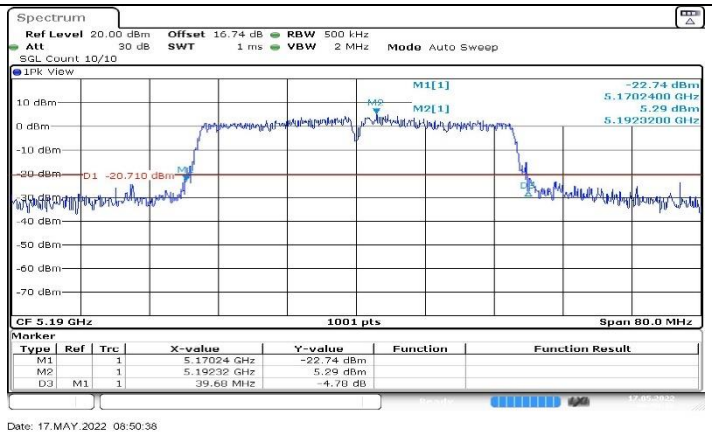
11N20SISO_Ant1_5745



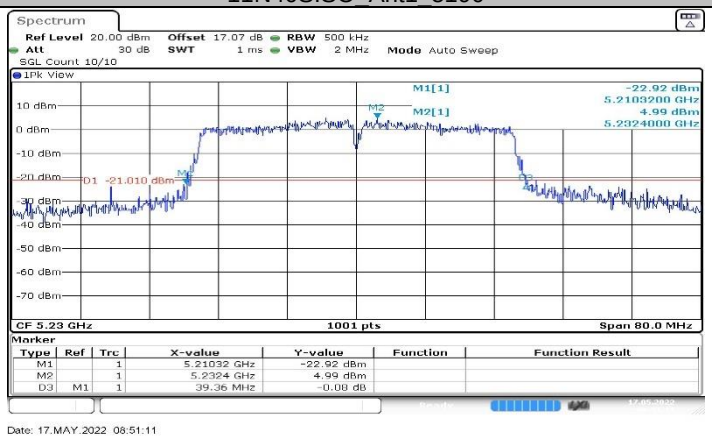
11N20SISO_Ant1_5785



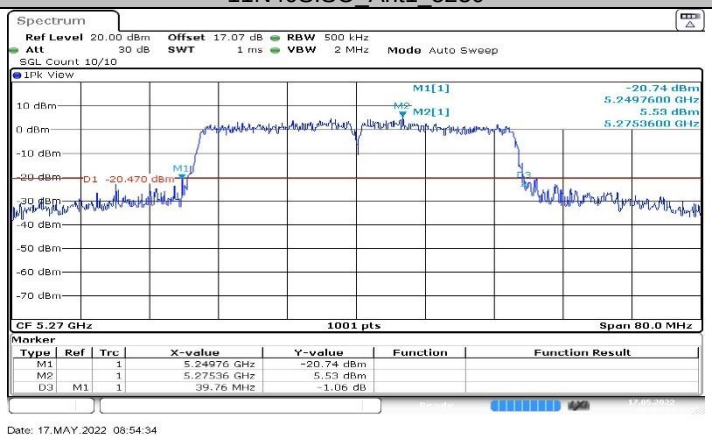
11N20SISO_Ant1_5825



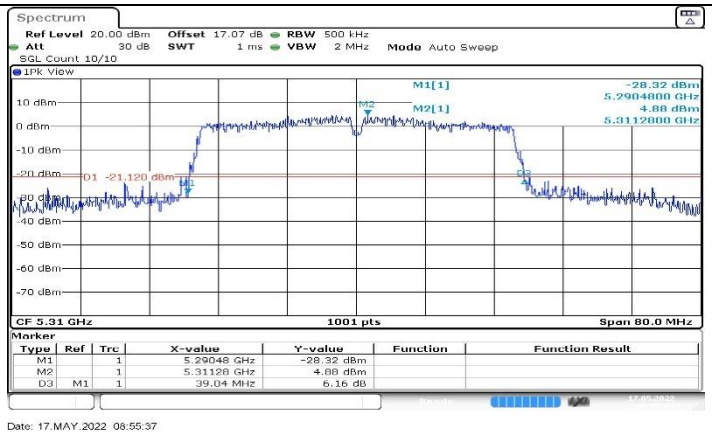
11N40SISO_Ant1_5190



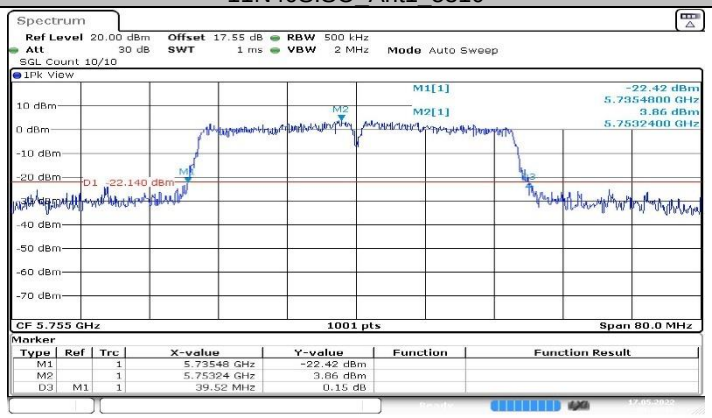
11N40SISO_Ant1_5230



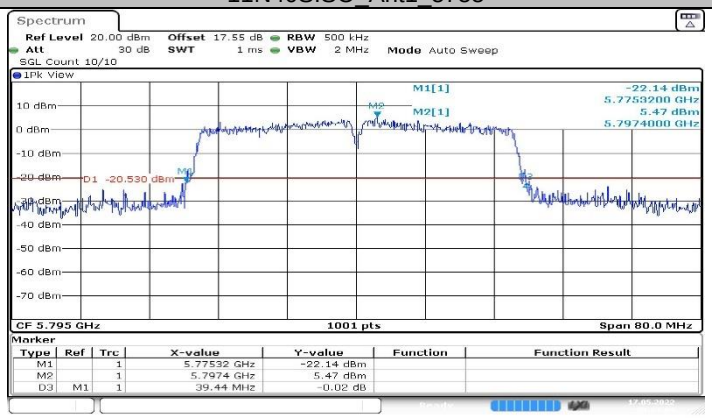
11N40SISO_Ant1_5270



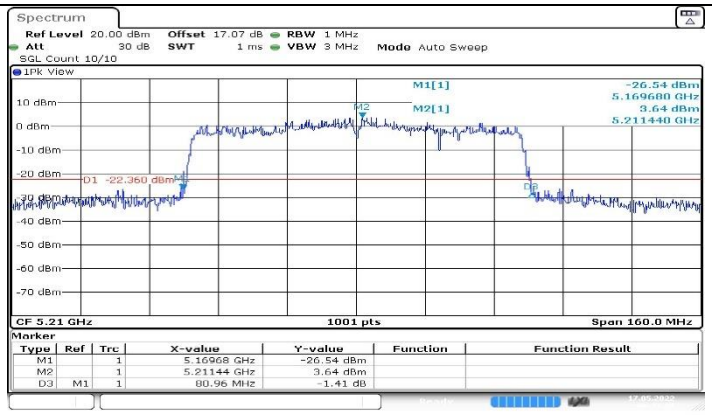
11N40SISO_Ant1_5310



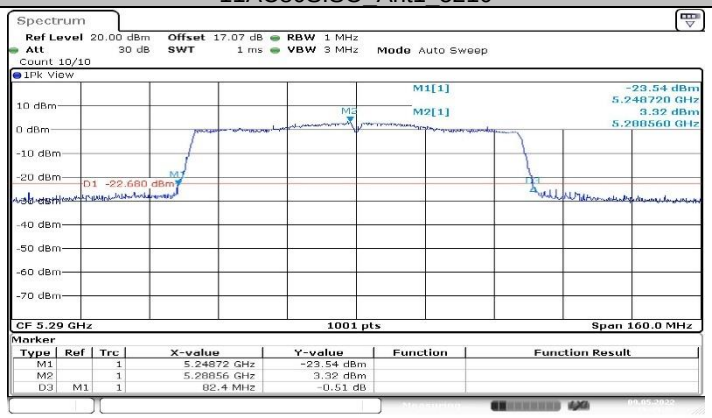
11N40SISO_Ant1_5755



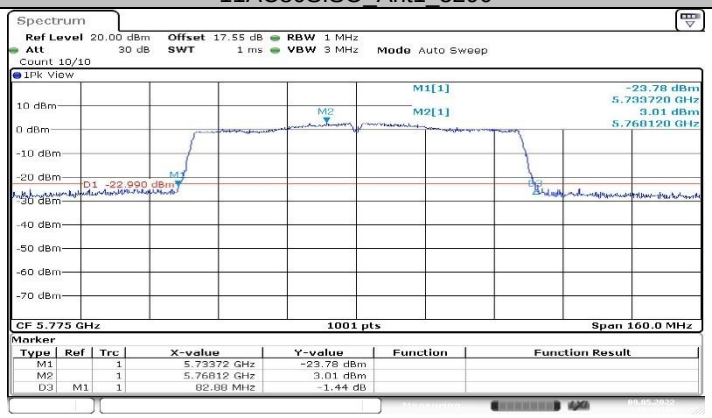
11N40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



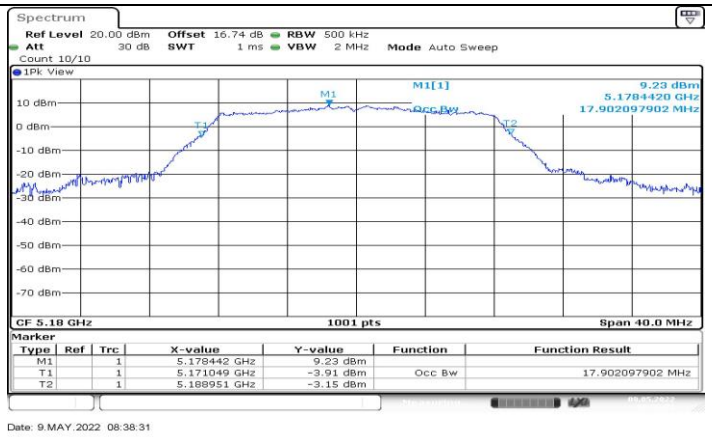
11AC80SISO_Ant1_5775

13.2. Appendix A2: Occupied channel bandwidth

13.2.1. Test Result

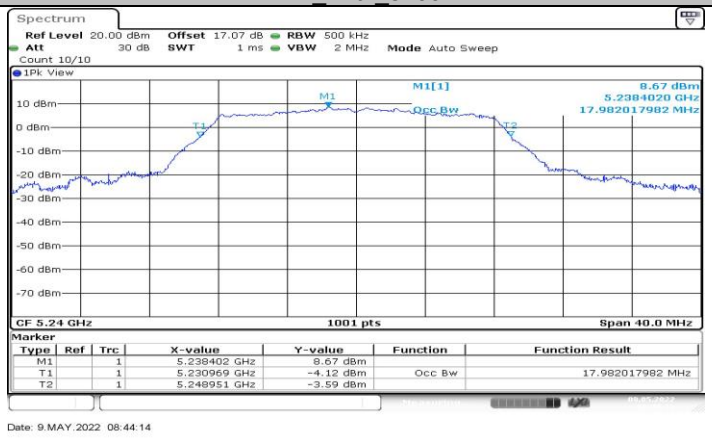
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	17.902	5171.049	5188.951	PASS
		5200	17.902	5191.089	5208.991	PASS
		5240	17.982	5230.969	5248.951	PASS
		5260	17.942	5250.969	5268.911	PASS
		5280	17.942	5271.009	5288.951	PASS
		5320	17.902	5311.009	5328.911	PASS
		5745	17.942	5735.969	5753.911	PASS
		5785	17.942	5776.009	5793.951	PASS
		5825	17.942	5816.009	5833.951	PASS
11N20SISO	Ant1	5180	18.781	5170.609	5189.391	PASS
		5200	18.821	5190.649	5209.471	PASS
		5240	18.861	5230.609	5249.471	PASS
		5260	18.861	5250.569	5269.431	PASS
		5280	18.821	5270.609	5289.431	PASS
		5320	18.781	5310.609	5329.391	PASS
		5745	18.821	5735.569	5754.391	PASS
		5785	18.741	5775.649	5794.391	PASS
		5825	18.741	5815.649	5834.391	PASS
11N40SISO	Ant1	5190	37.003	5171.618	5208.621	PASS
		5230	36.923	5211.698	5248.621	PASS
		5270	36.923	5251.618	5288.541	PASS
		5310	36.923	5291.618	5328.541	PASS
		5755	37.003	5736.538	5773.541	PASS
		5795	37.003	5776.618	5813.621	PASS
11AC80SISO	Ant1	5210	76.084	5172.118	5248.202	PASS
		5290	75.924	5252.118	5328.042	PASS
		5775	76.084	5737.118	5813.202	PASS

13.2.2. Test Graphs

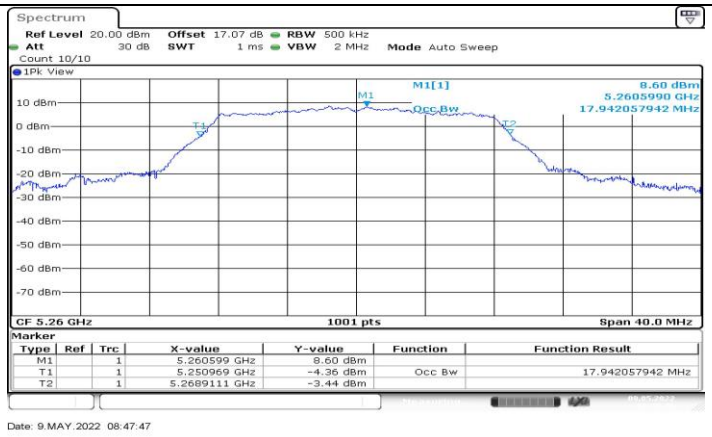


11A_Ant1_5180

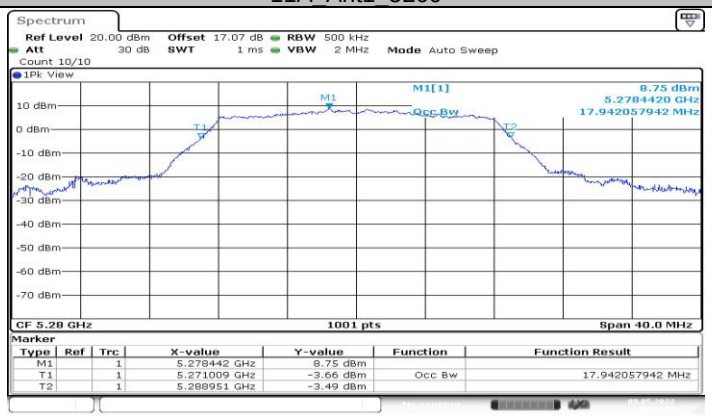
11A_Ant1_5200



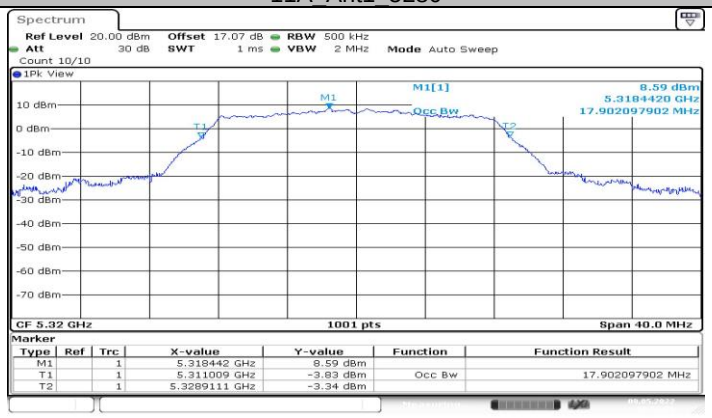
11A_Ant1_5240



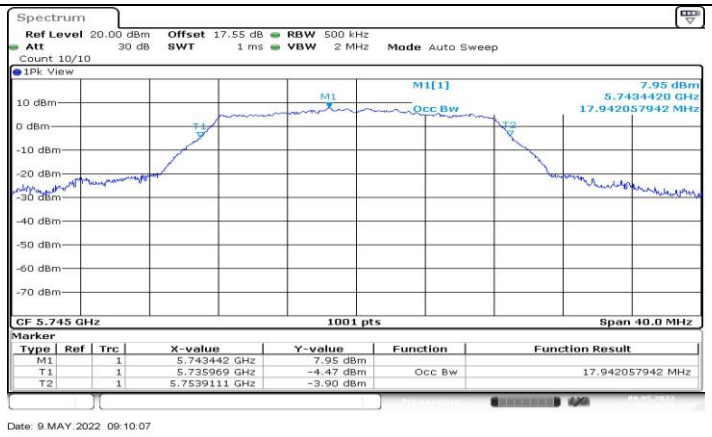
11A_Ant1_5260



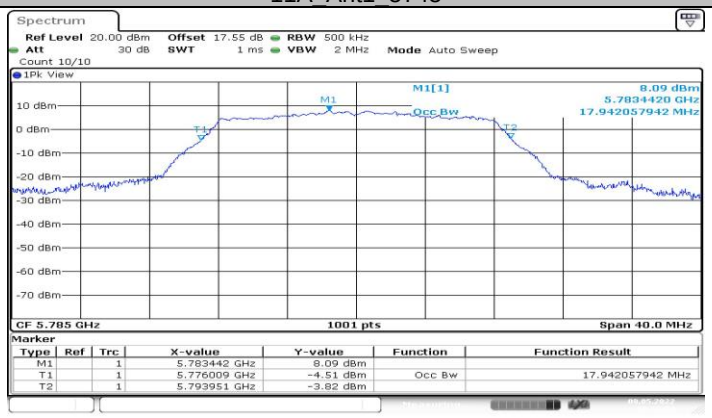
11A_Ant1_5280



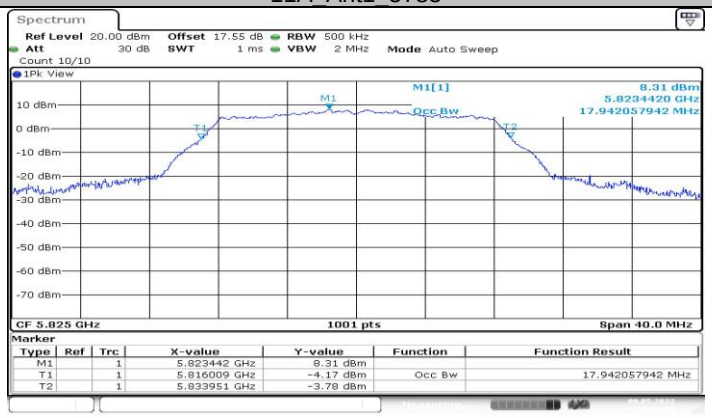
11A_Ant1_5320



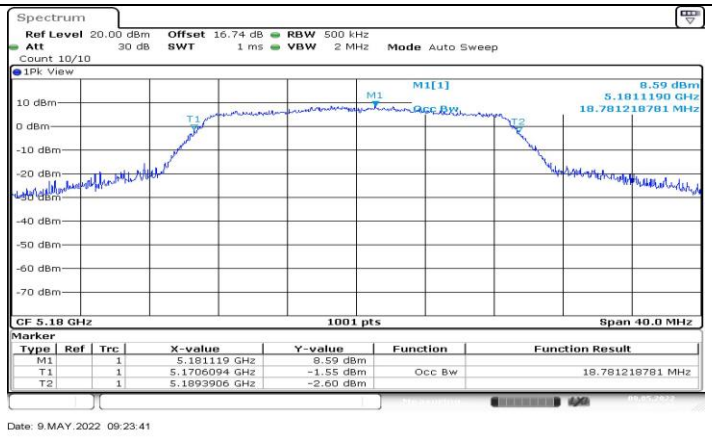
11A_Ant1_5745



11A_Ant1_5785

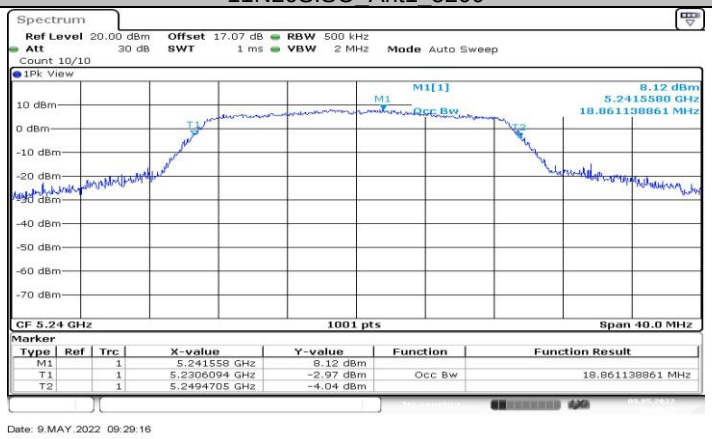


11A_Ant1_5825

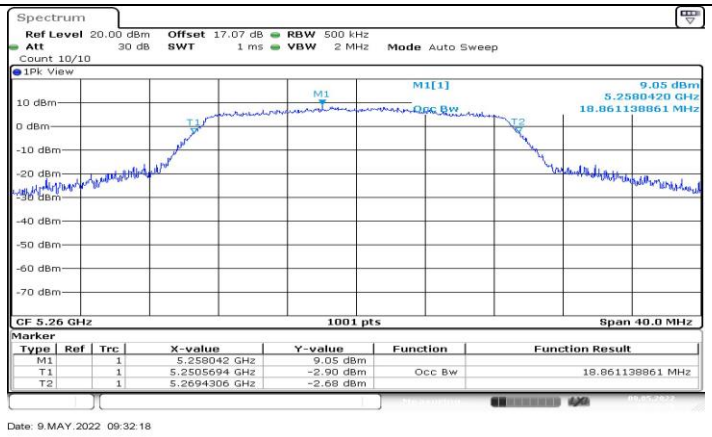


11N20SISO_Ant1_5180

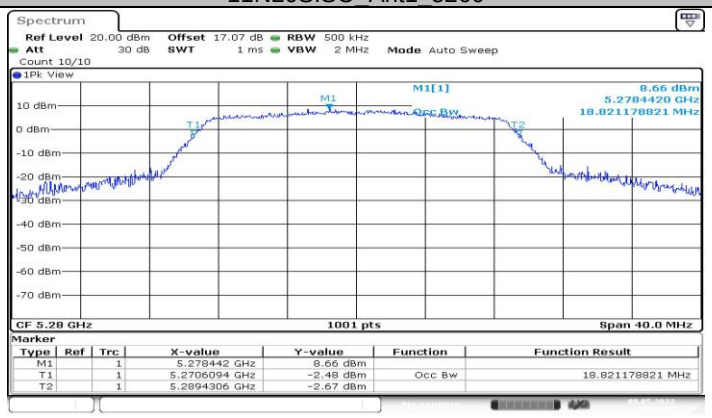
11N20SISO_Ant1_5200



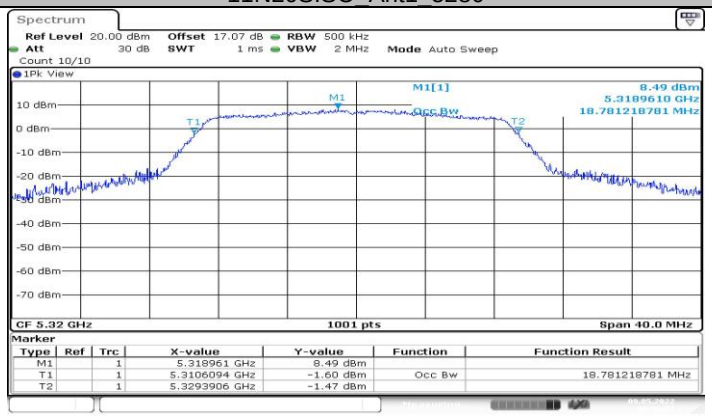
11N20SISO_Ant1_5240



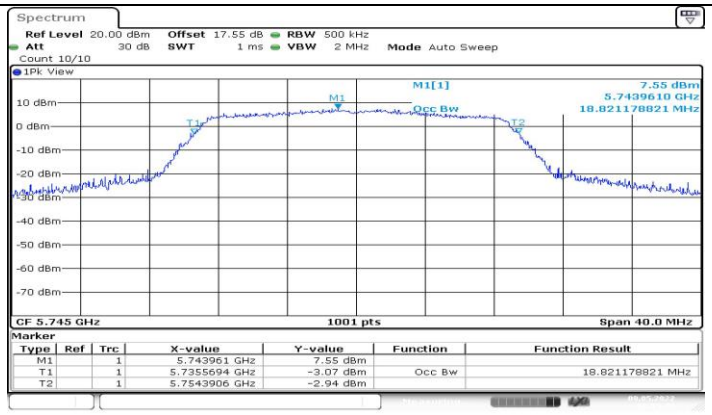
11N20SISO_Ant1_5260



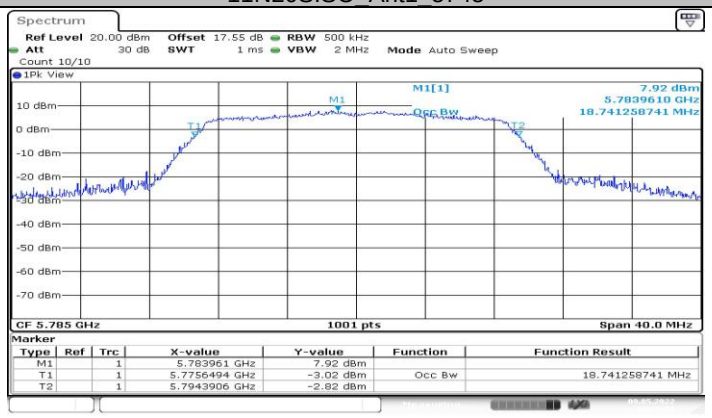
11N20SISO_Ant1_5280



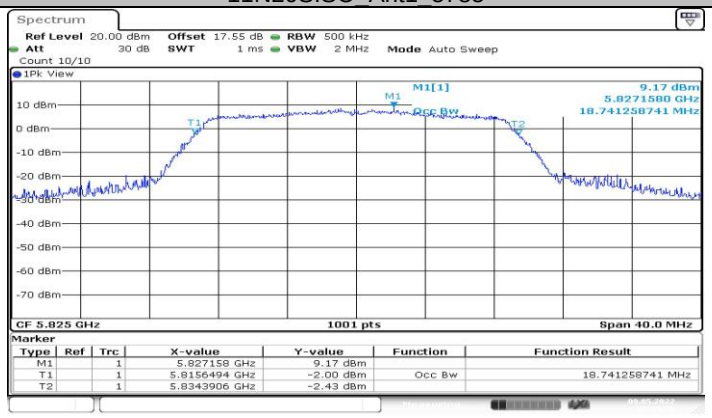
11N20SISO_Ant1_5320



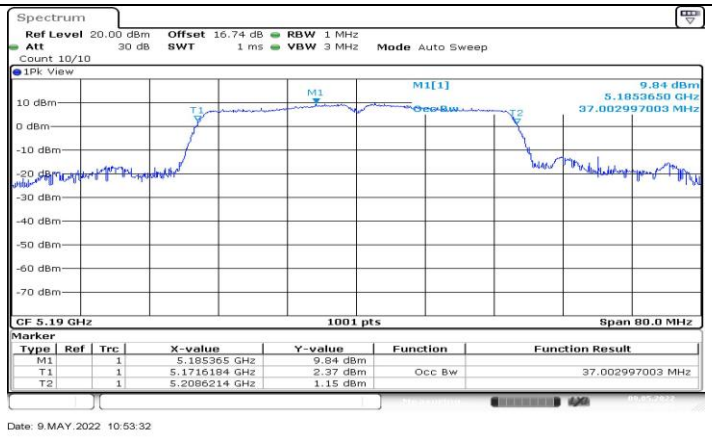
11N20SISO_Ant1_5745



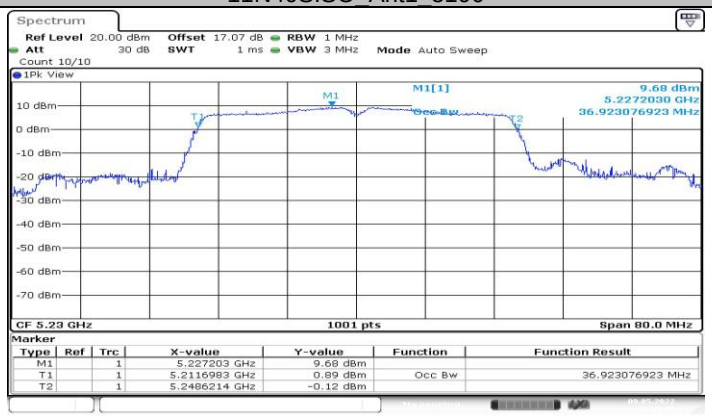
11N20SISO_Ant1_5785



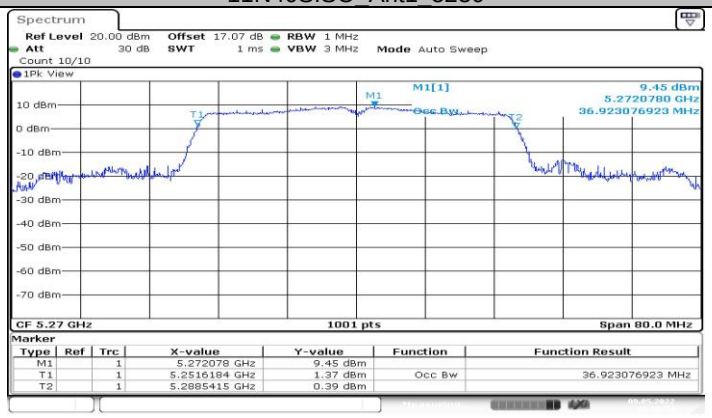
11N20SISO_Ant1_5825



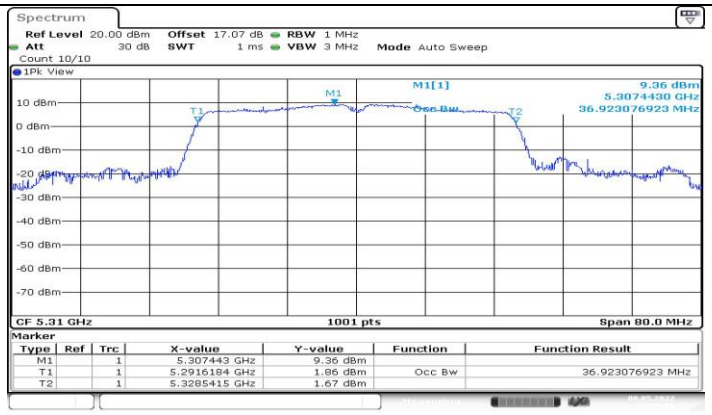
11N40SISO_Ant1_5190



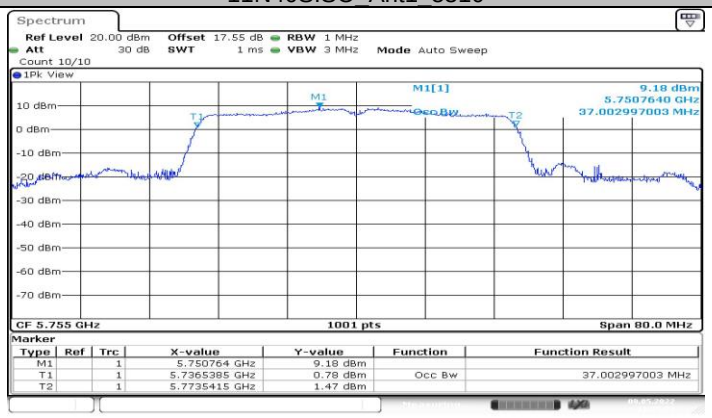
11N40SISO_Ant1_5230



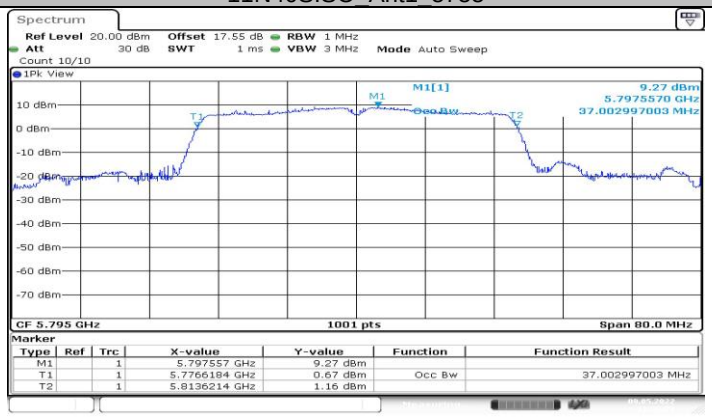
11N40SISO_Ant1_5270



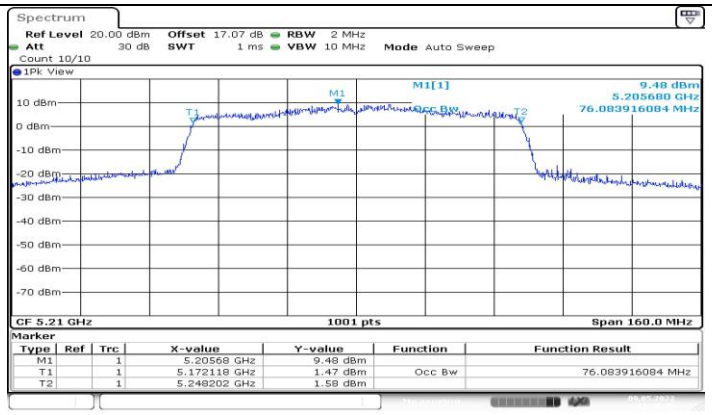
11N40SISO_Ant1_5310



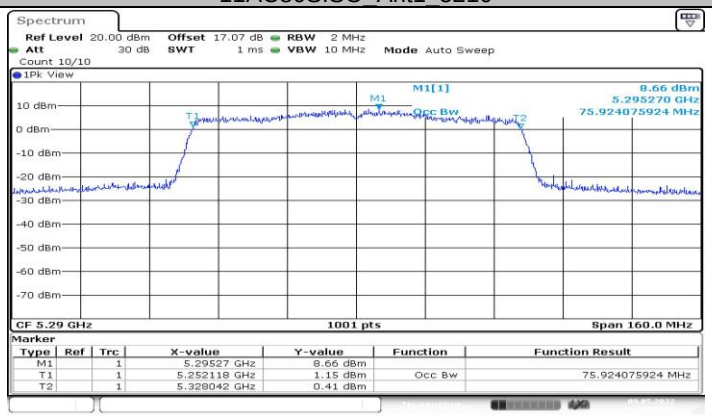
11N40SISO_Ant1_5755



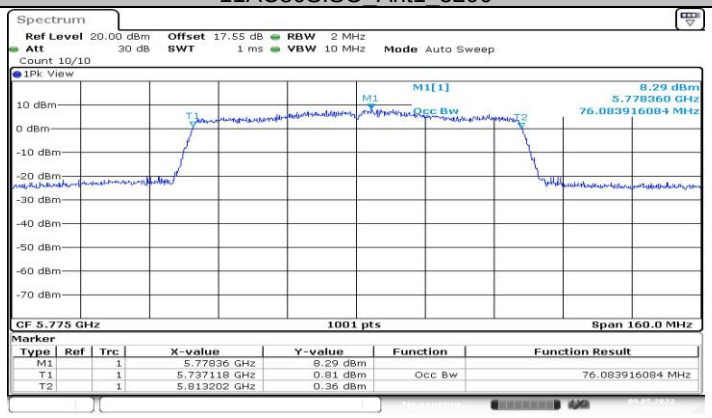
11N40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



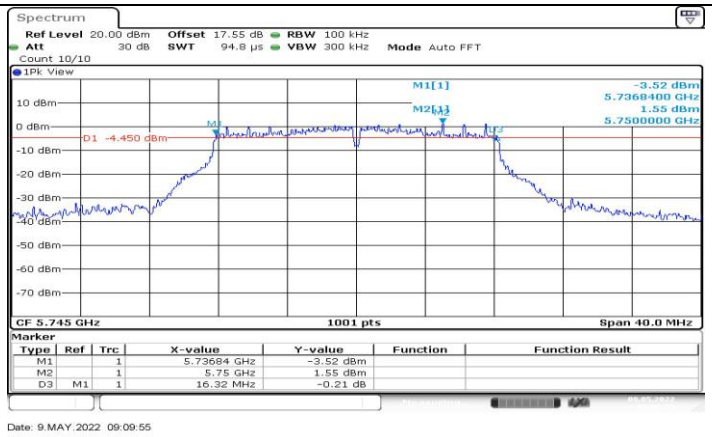
11AC80SISO_Ant1_5775

13.3. Appendix A3: Min emission bandwidth

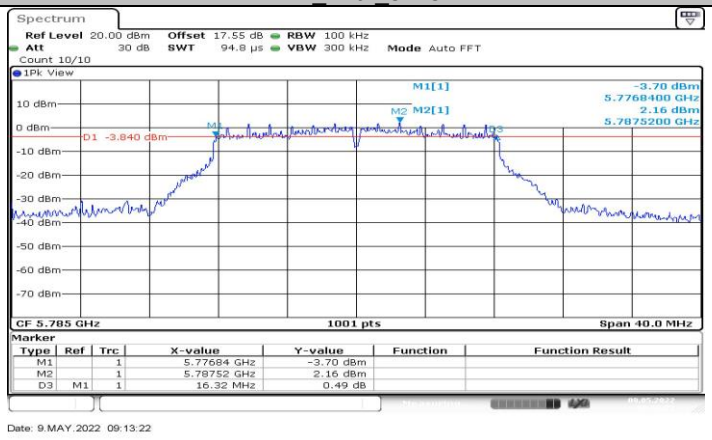
13.3.1. Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
		5785	16.32	5776.84	5793.16	0.5	PASS
		5825	16.32	5816.84	5833.16	0.5	PASS
11N20SISO	Ant1	5745	17.28	5736.24	5753.52	0.5	PASS
		5785	17.56	5776.24	5793.80	0.5	PASS
		5825	17.52	5816.24	5833.76	0.5	PASS
11N40SISO	Ant1	5755	36.08	5736.84	5772.92	0.5	PASS
		5795	35.68	5777.24	5812.92	0.5	PASS
11AC80SISO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS

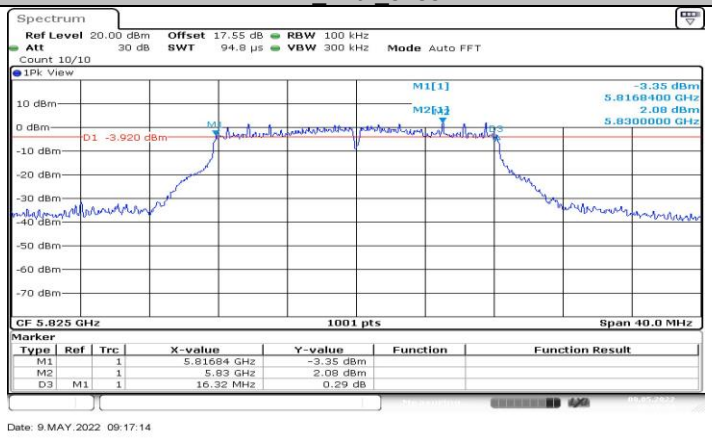
13.3.2. Test Graphs



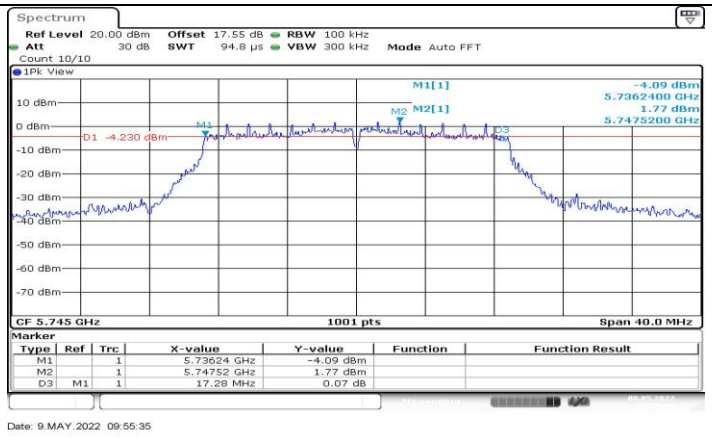
11A_Ant1_5745



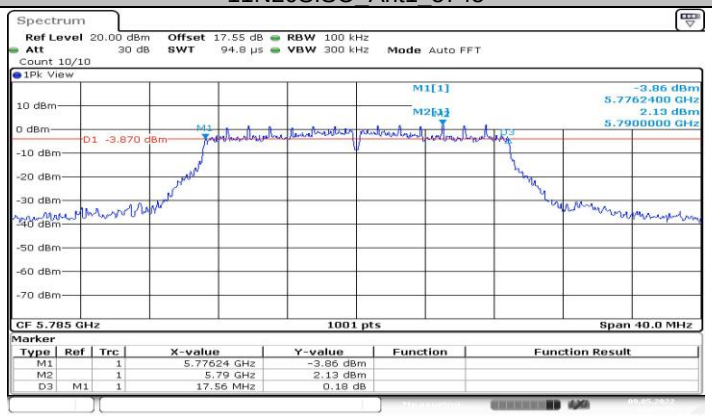
11A_Ant1_5785



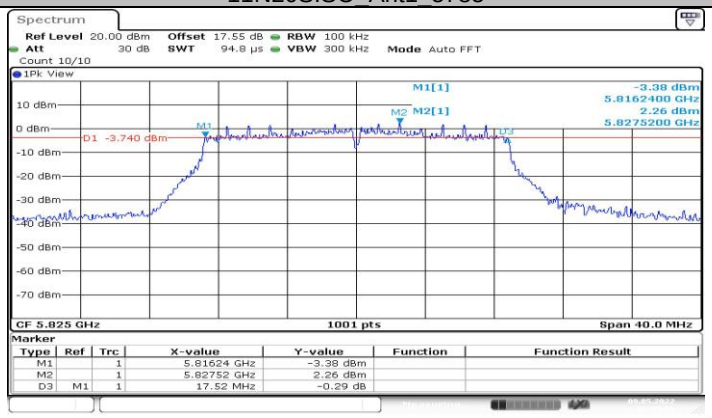
11A_Ant1_5825



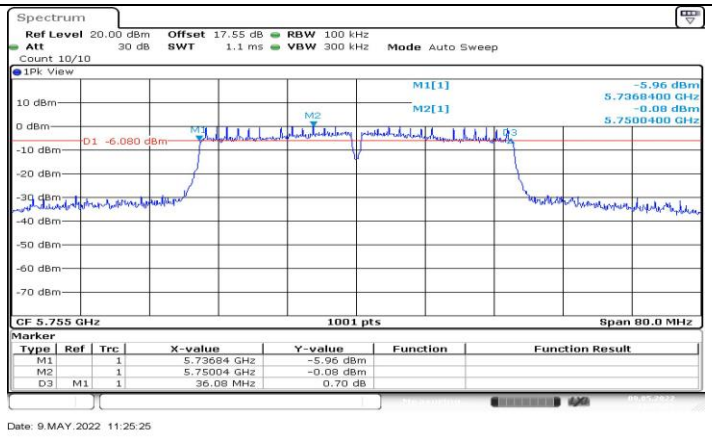
11N20SISO_Ant1_5745



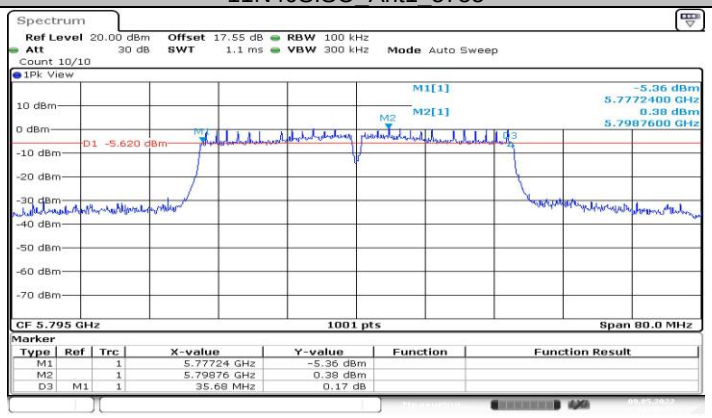
11N20SISO_Ant1_5785



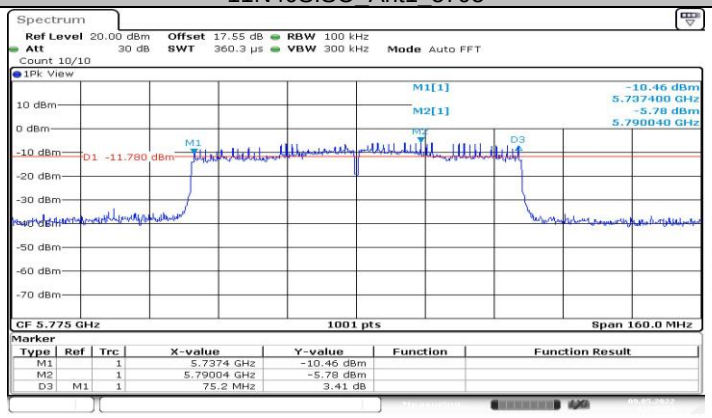
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC80SISO_Ant1_5775

13.4. Appendix B: Maximum conducted AVG output power

13.4.1. Test Result

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	Verdict
11A	Ant1	5180	14.54	≤23.98	PASS
		5200	14.54	≤23.98	PASS
		5240	14.16	≤23.98	PASS
		5260	14.04	≤23.98	PASS
		5280	14.07	≤23.98	PASS
		5320	14.04	≤23.98	PASS
		5745	13.43	≤30.00	PASS
		5785	13.62	≤30.00	PASS
		5825	13.69	≤30.00	PASS
11N20SISO	Ant1	5180	14.18	≤23.98	PASS
		5200	14.11	≤23.98	PASS
		5240	13.72	≤23.98	PASS
		5260	13.68	≤23.98	PASS
		5280	13.85	≤23.98	PASS
		5320	13.63	≤23.98	PASS
		5745	12.99	≤30.00	PASS
		5785	13.19	≤30.00	PASS
		5825	13.45	≤30.00	PASS
11N40SISO	Ant1	5190	14.49	≤23.98	PASS
		5230	14.47	≤23.98	PASS
		5270	14.31	≤23.98	PASS
		5310	14.48	≤23.98	PASS
		5755	13.46	≤30.00	PASS
		5795	13.50	≤30.00	PASS
11AC80SISO	Ant1	5210	12.02	≤23.98	PASS
		5290	11.69	≤23.98	PASS
		5775	11.20	≤30.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

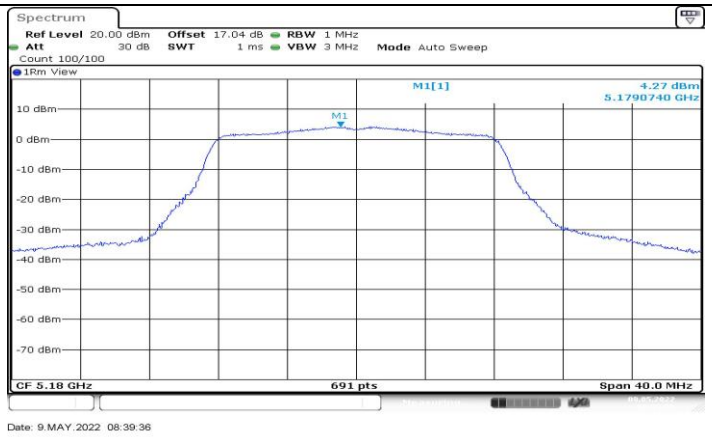
13.5. Appendix C: Maximum power spectral density

13.5.1. Test Result

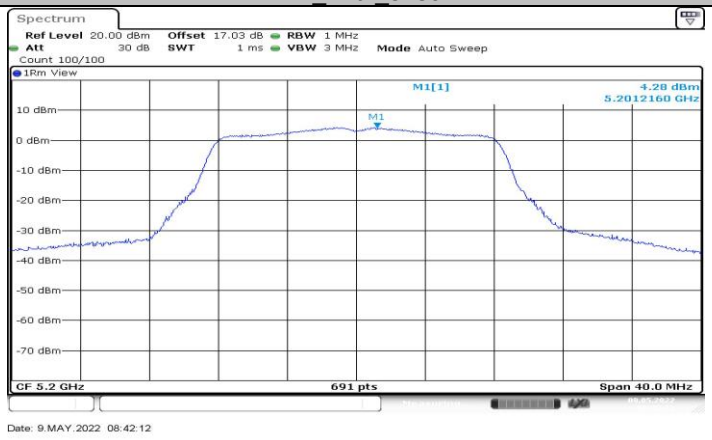
Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	4.27	≤11.00	PASS
		5200	4.28	≤11.00	PASS
		5240	4.09	≤11.00	PASS
		5260	3.95	≤11.00	PASS
		5280	3.92	≤11.00	PASS
		5320	3.89	≤11.00	PASS
		5745	0.77	≤30.00	PASS
		5785	0.65	≤30.00	PASS
		5825	0.66	≤30.00	PASS
11N20SISO	Ant1	5180	3.76	≤11.00	PASS
		5200	3.57	≤11.00	PASS
		5240	3.25	≤11.00	PASS
		5260	3.36	≤11.00	PASS
		5280	3.27	≤11.00	PASS
		5320	3.2	≤11.00	PASS
		5745	-0.22	≤30.00	PASS
		5785	-0.1	≤30.00	PASS
		5825	0.02	≤30.00	PASS
11N40SISO	Ant1	5190	1.29	≤11.00	PASS
		5230	1.21	≤11.00	PASS
		5270	1.09	≤11.00	PASS
		5310	1.06	≤11.00	PASS
		5755	-2.5	≤30.00	PASS
		5795	-2.07	≤30.00	PASS
11AC80SISO	Ant1	5210	-4.58	≤11.00	PASS
		5290	-4.99	≤11.00	PASS
		5775	-7.95	≤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.

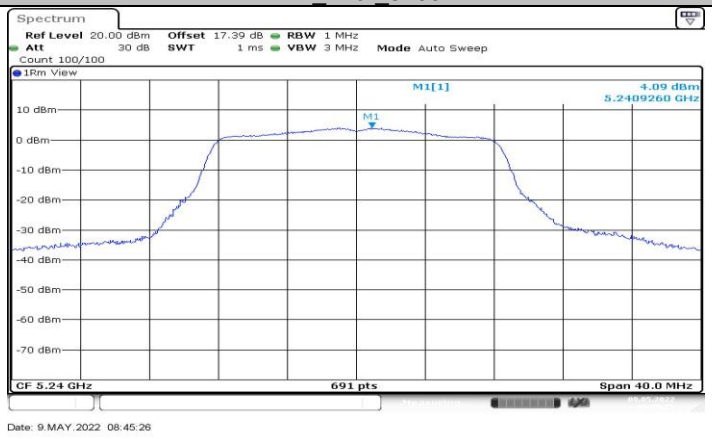
13.5.2. Test Graphs



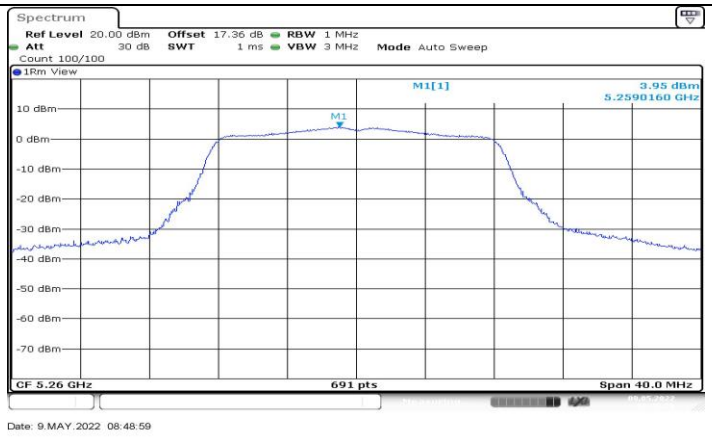
11A_Ant1_5180



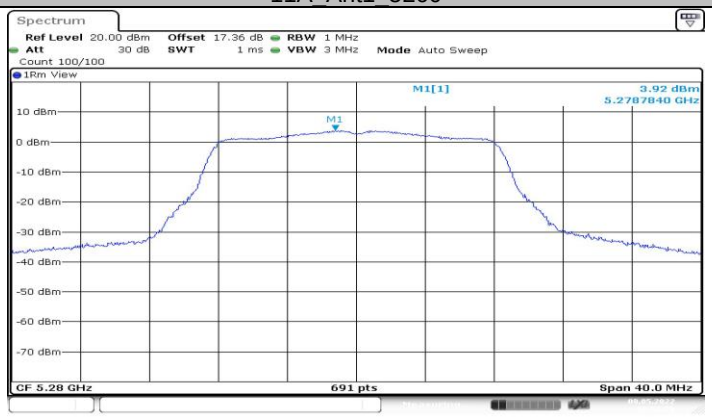
11A_Ant1_5200



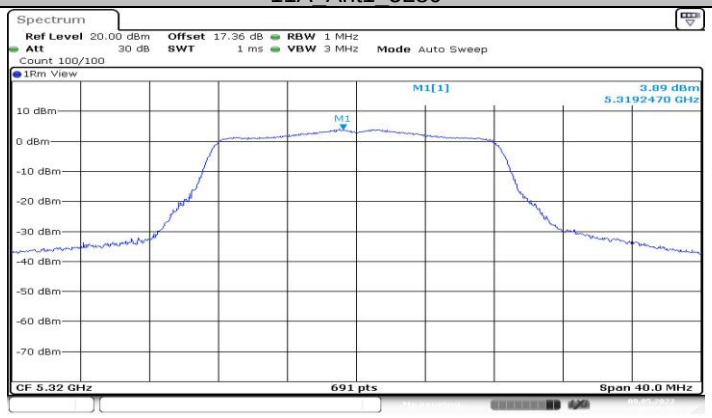
11A_Ant1_5240



11A_Ant1_5260



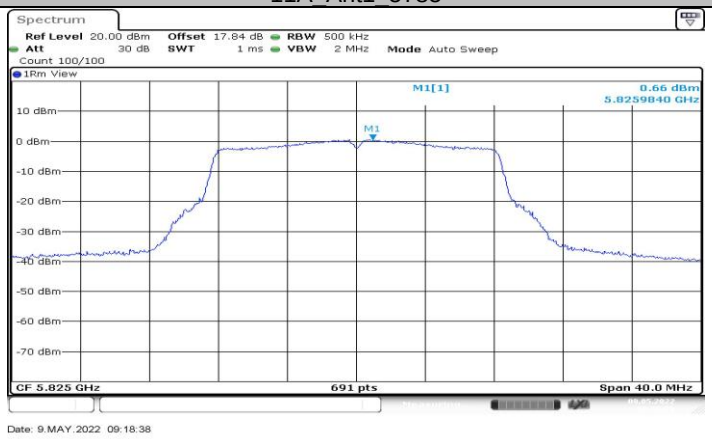
11A_Ant1_5280



11A_Ant1_5320

11A_Ant1_5745

11A_Ant1_5785

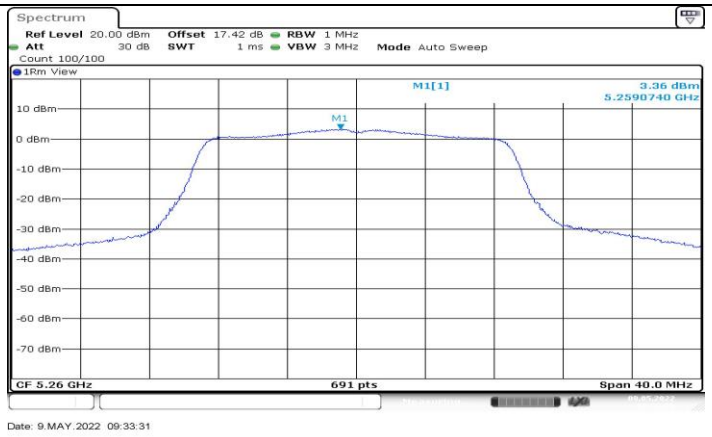


11A_Ant1_5825

11N20SISO_Ant1_5180

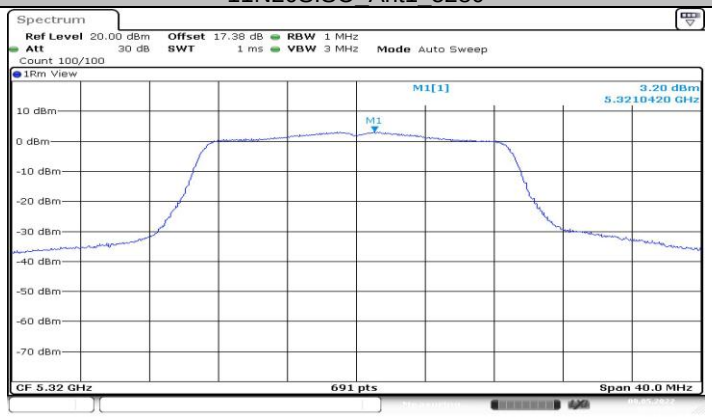
11N20SISO_Ant1_5200

11N20SISO_Ant1_5240



11N20SISO_Ant1_5260

11N20SISO_Ant1_5280



11N20SISO_Ant1_5320

11N20SISO_Ant1_5745

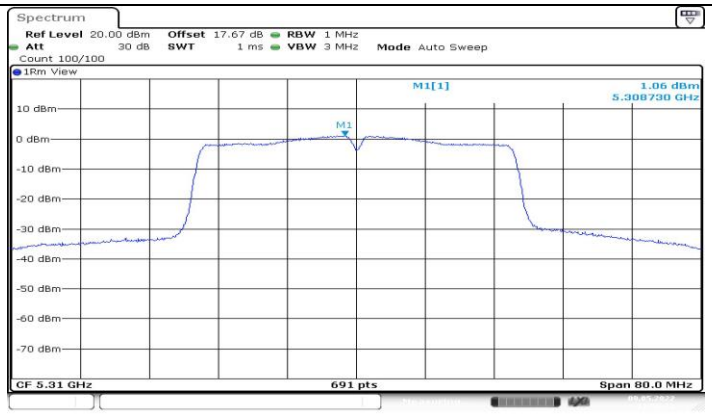
11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

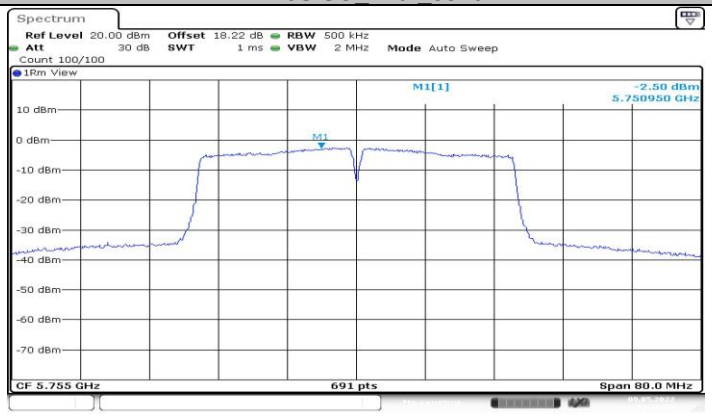
11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

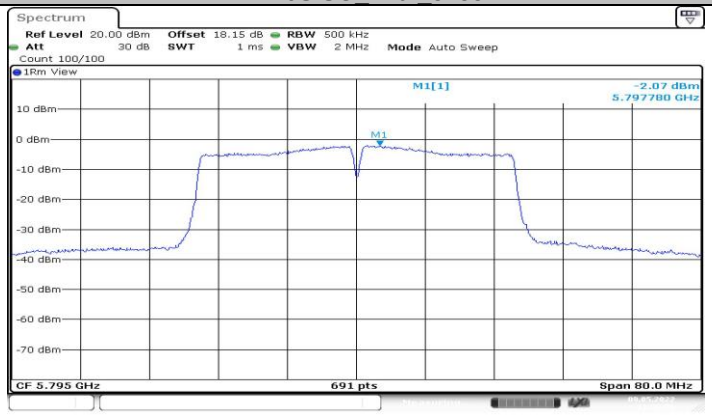
11N40SISO_Ant1_5270



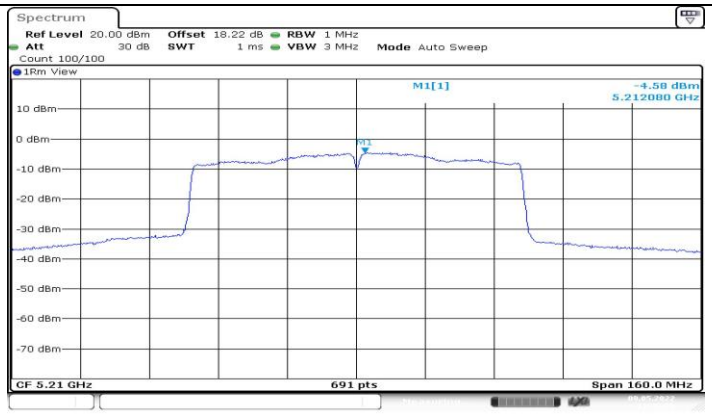
11N40SISO_Ant1_5310



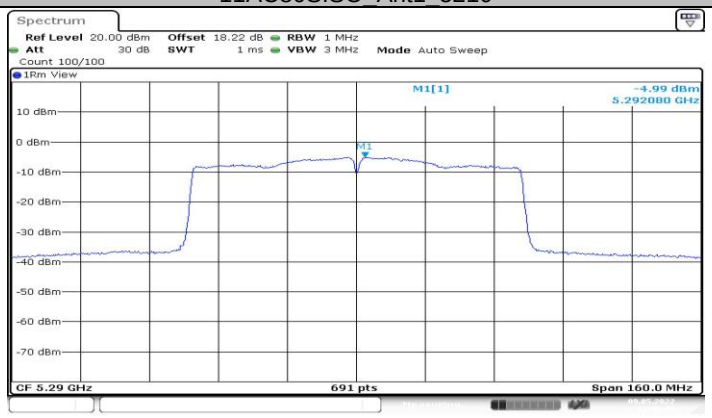
11N40SISO_Ant1_5755



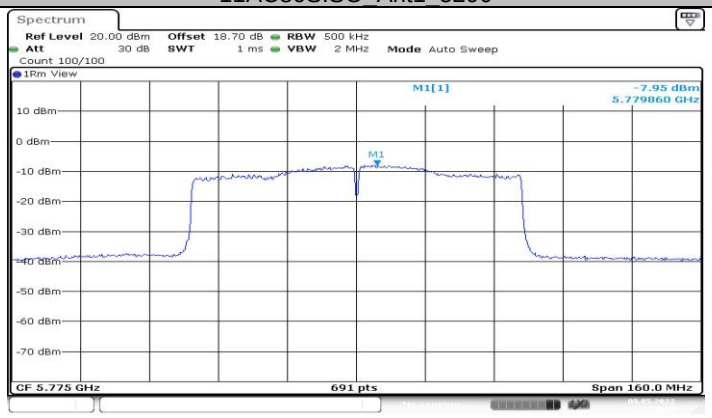
11N40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5775

13.6. Appendix D: Duty Cycle

13.6.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.41	1.51	0.9338	93.38	0.30	0.71	1
11N20SISO	1.31	1.41	0.9291	92.91	0.32	0.76	1
11N40SISO	0.66	0.76	0.8684	86.84	0.61	1.52	2
11AC80SISO	0.33	0.43	0.7674	76.74	1.15	3.03	4

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.