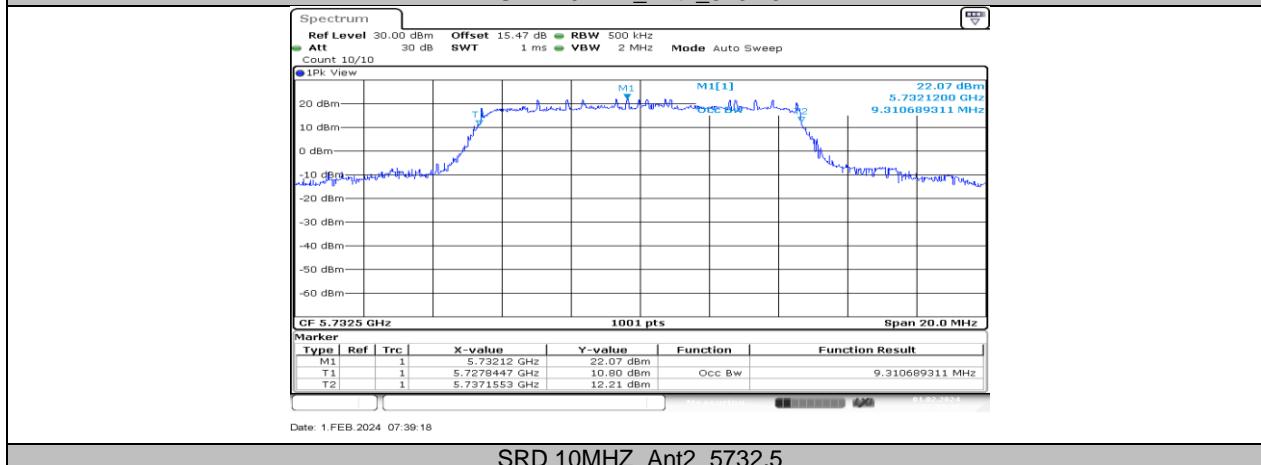
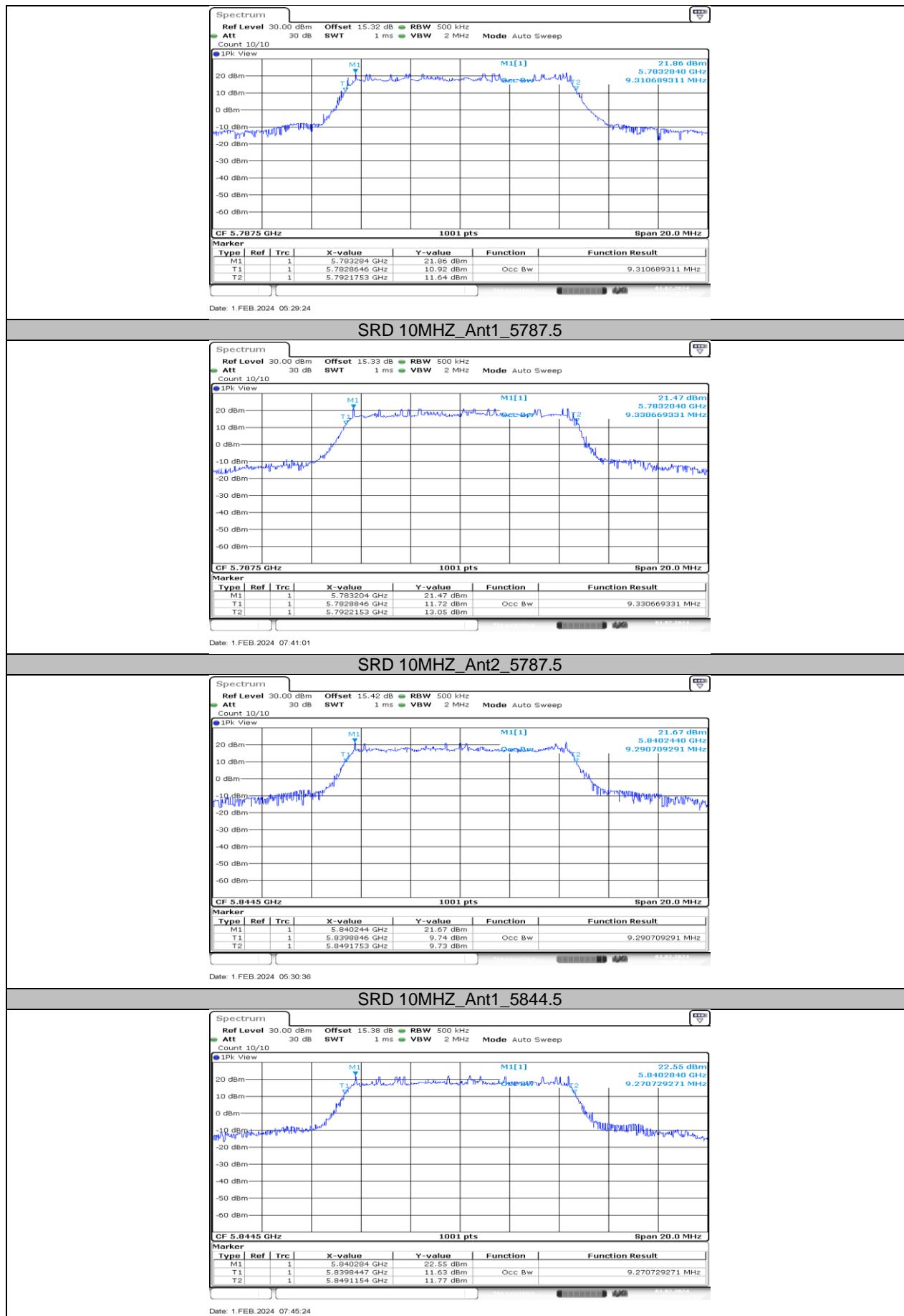
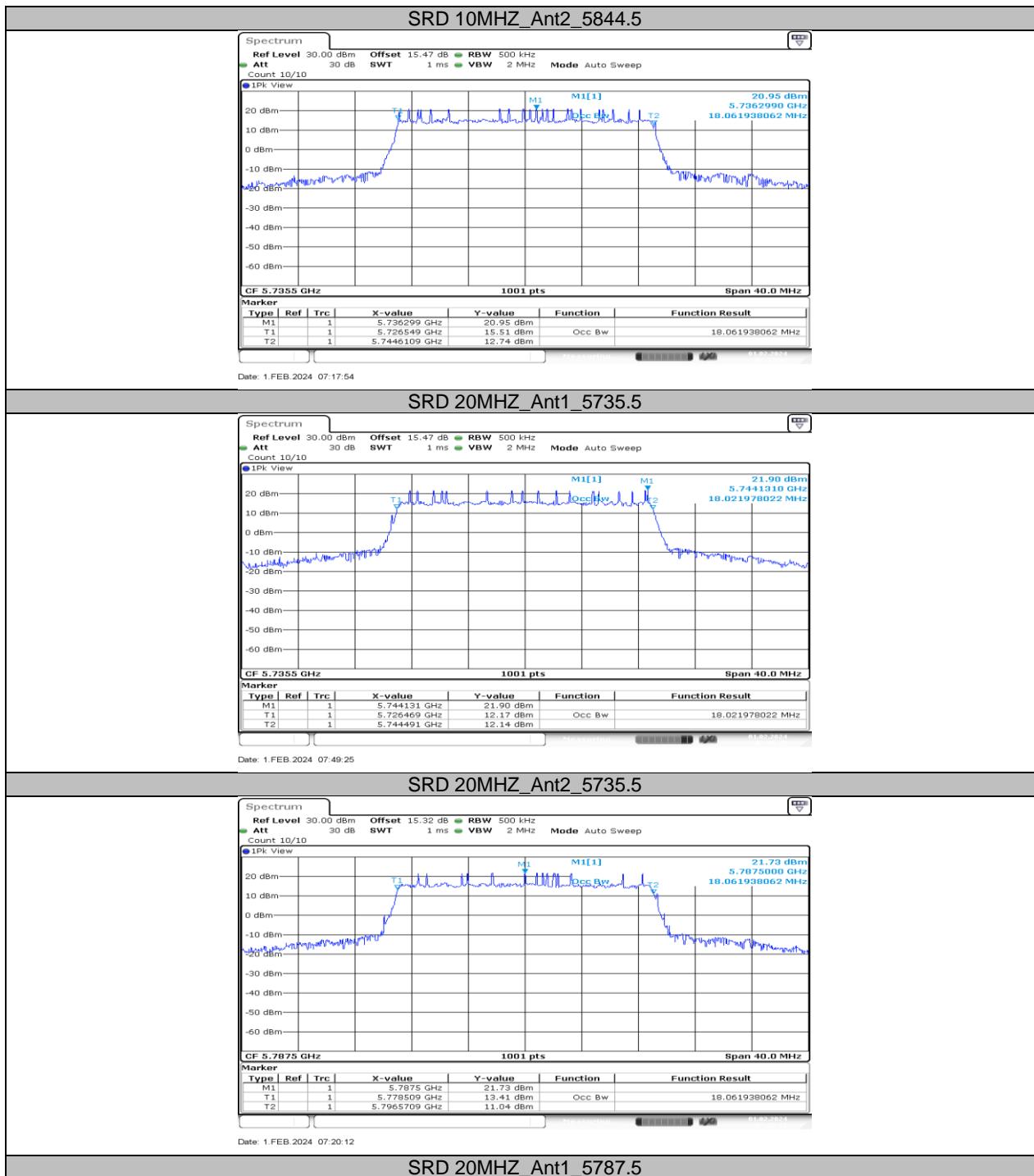
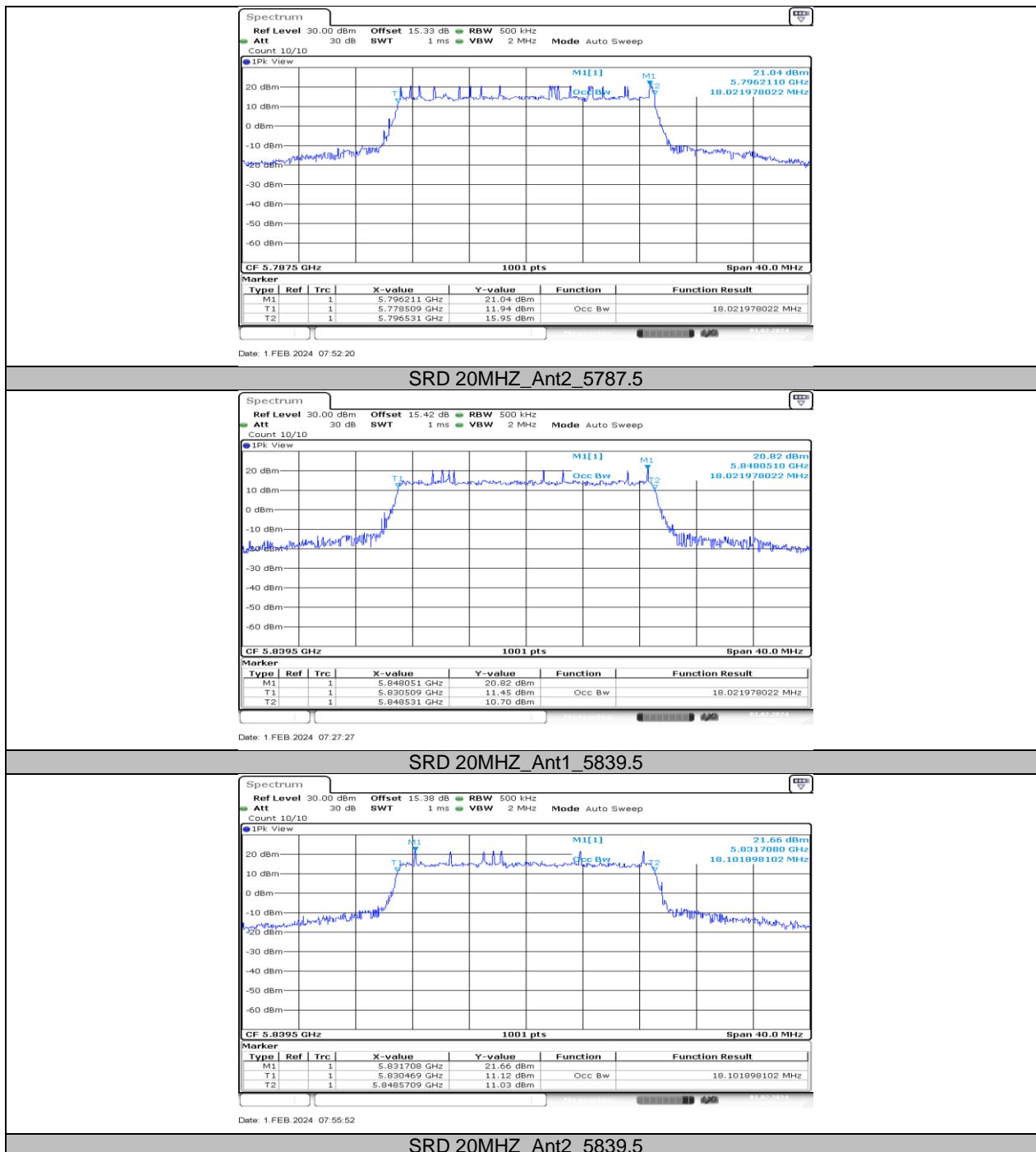


SRD 10MHz_Ant1_5732.5









11.3. APPENDIX C: MAXIMUM CONDUCTED AVERAGE OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
SRD 1.4M	Ant1	5728.5	11.38	≤30	PASS
	Ant2	5728.5	11.46	≤30	PASS
	Ant1	5786.5	12.18	≤30	PASS
	Ant2	5786.5	11.72	≤30	PASS
	Ant1	5844.5	11.49	≤30	PASS
	Ant2	5844.5	11.38	≤30	PASS
SRD 1.4M CA	Ant1	5730.12	11.73	≤30	PASS
	Ant2	5730.12	12.19	≤30	PASS
	Ant1	5788.12	12.30	≤30	PASS
	Ant2	5788.12	11.10	≤30	PASS
	Ant1	5846.12	11.30	≤30	PASS
	Ant2	5846.12	11.14	≤30	PASS
SRD 3M	Ant1	5730.5	11.31	≤30	PASS
	Ant2	5730.5	12.18	≤30	PASS
	Ant1	5787.5	11.71	≤30	PASS
	Ant2	5787.5	10.95	≤30	PASS
	Ant1	5844.5	11.29	≤30	PASS
	Ant2	5844.5	11.46	≤30	PASS

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	Limit [dBm]	Verdict
SRD 10MHz	Ant1	5732.5	21.03	≤30.00	PASS
	Ant2	5732.5	21.74	≤30.00	PASS
	Ant1	5787.5	21.31	≤30.00	PASS
	Ant2	5787.5	20.95	≤30.00	PASS
	Ant1	5844.5	21.77	≤30.00	PASS
	Ant2	5844.5	21.69	≤30.00	PASS
SRD 20MHz	Ant1	5735.5	21.27	≤30.00	PASS
	Ant2	5735.5	21.75	≤30.00	PASS
	Ant1	5787.5	21.95	≤30.00	PASS
	Ant2	5787.5	20.94	≤30.00	PASS
	Ant1	5839.5	21.53	≤30.00	PASS
	Ant2	5839.5	21.79	≤30.00	PASS

11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

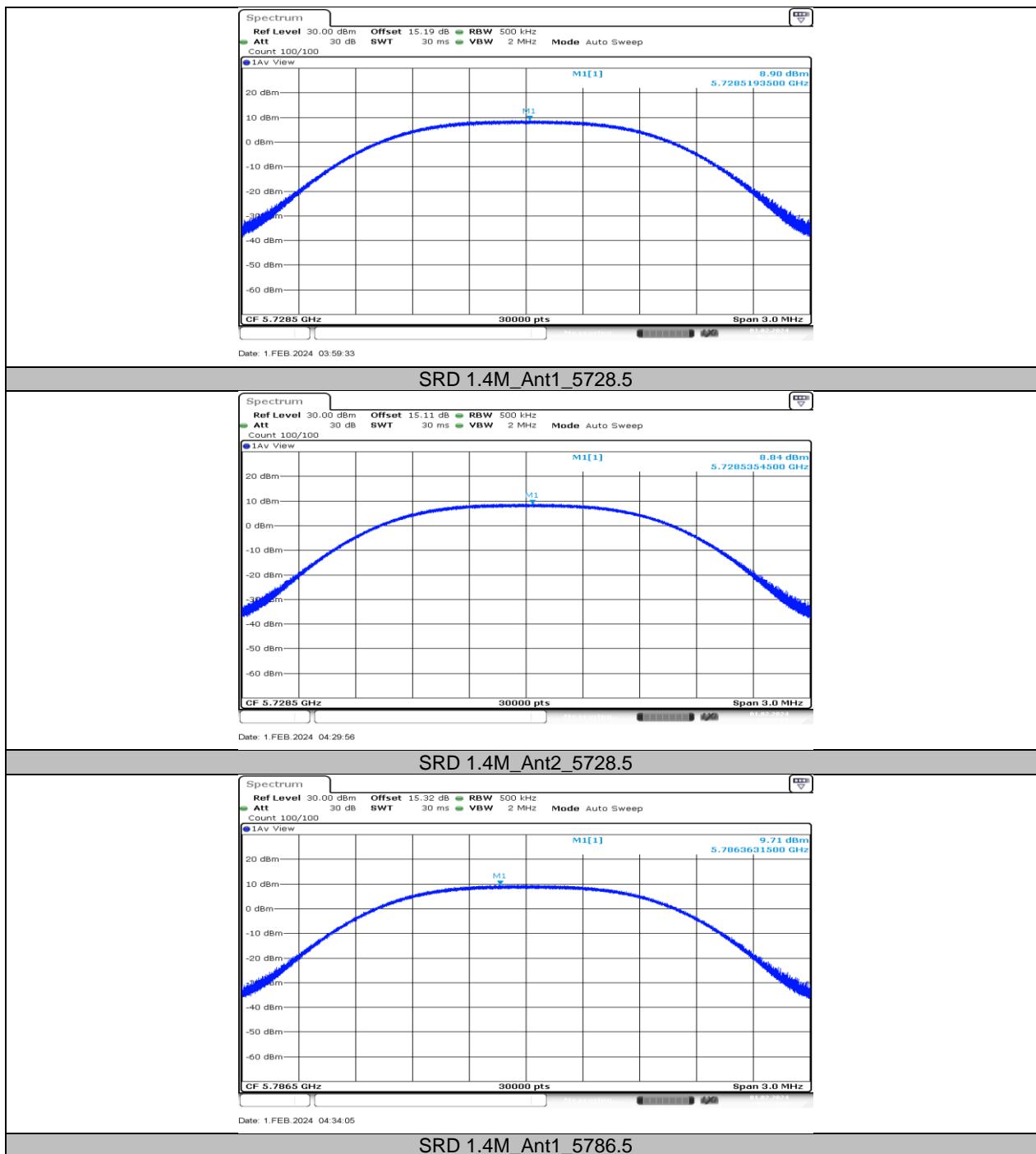
11.4.1. Test Result

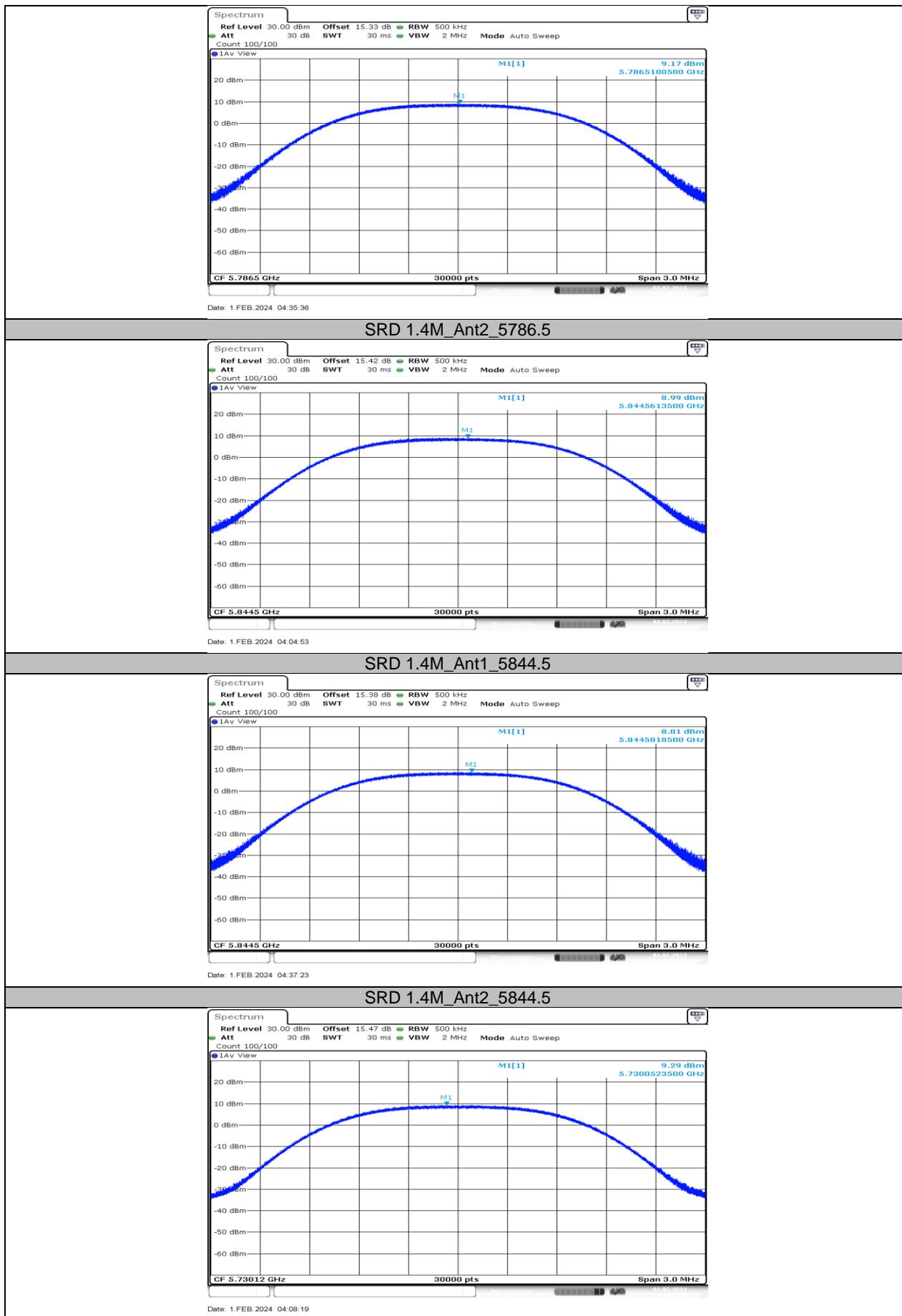
Test Mode	Antenna	Frequency[MHz]	Result[dBm/500kHz]	Limit[dBm/500kHz]	Verdict
SRD 1.4M	Ant1	5728.5	8.90	≤30.00	PASS
	Ant2	5728.5	8.84	≤30.00	PASS
	Ant1	5786.5	9.71	≤30.00	PASS
	Ant2	5786.5	9.17	≤30.00	PASS
	Ant1	5844.5	8.99	≤30.00	PASS
	Ant2	5844.5	8.81	≤30.00	PASS
SRD 1.4M CA	Ant1	5730.12	9.29	≤30.00	PASS
	Ant2	5730.12	9.64	≤30.00	PASS
	Ant1	5788.12	9.71	≤30.00	PASS
	Ant2	5788.12	8.51	≤30.00	PASS
	Ant1	5846.12	8.62	≤30.00	PASS
	Ant2	5846.12	8.63	≤30.00	PASS
SRD 3M	Ant1	5730.5	7.33	≤30.00	PASS
	Ant2	5730.5	7.93	≤30.00	PASS
	Ant1	5787.5	7.53	≤30.00	PASS
	Ant2	5787.5	6.73	≤30.00	PASS
	Ant1	5844.5	7.11	≤30.00	PASS
	Ant2	5844.5	7.24	≤30.00	PASS

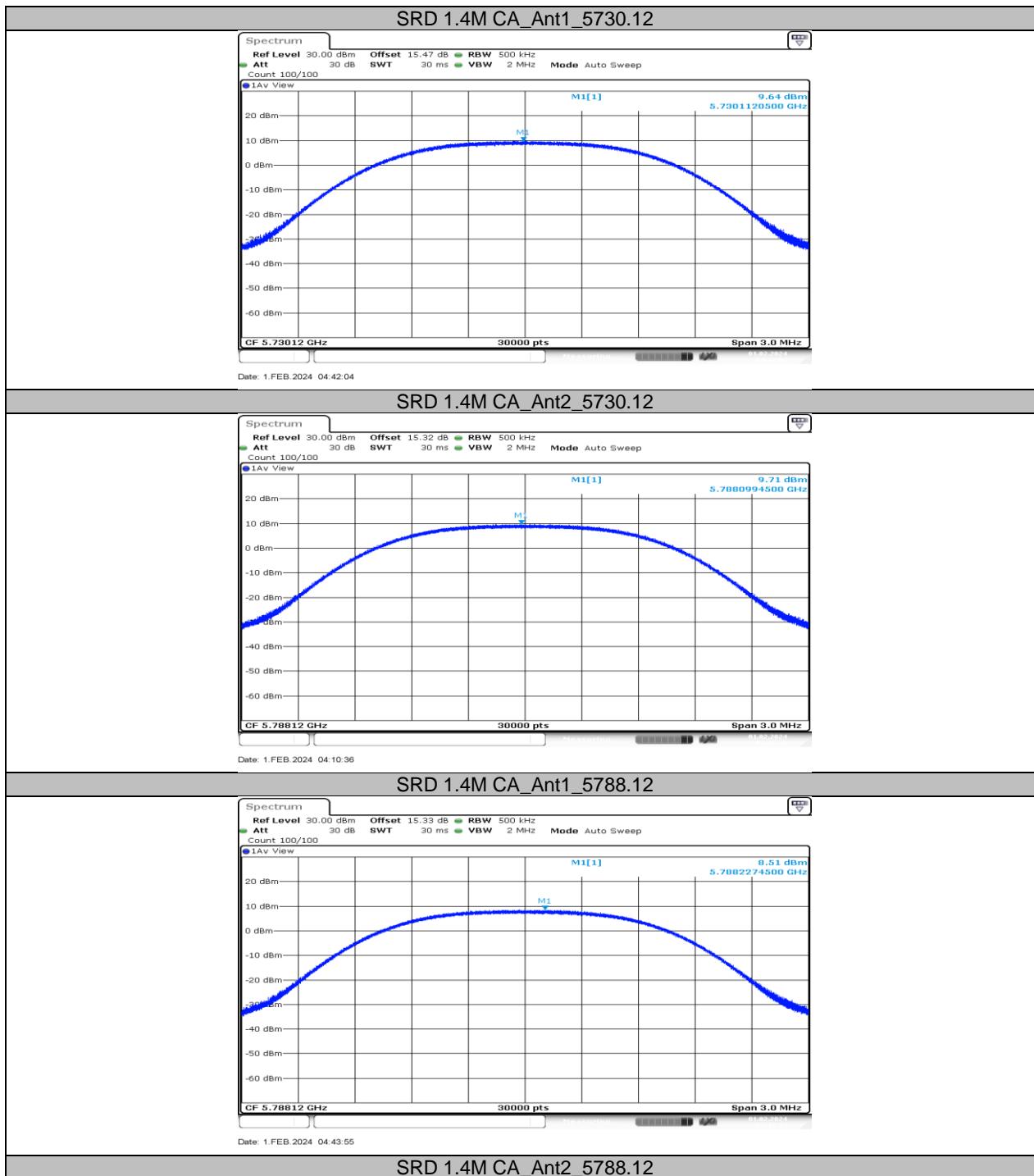
Test Mode	Antenna	Frequency[MHz]	Power [dBm/500kHz]	Limit [dBm/500 kHz]	Verdict
SRD 10MHz	Ant1	5732.5	9.48	≤30.00	PASS
	Ant2	5732.5	10.40	≤30.00	PASS
	Ant1	5787.5	9.77	≤30.00	PASS
	Ant2	5787.5	9.47	≤30.00	PASS
	Ant1	5844.5	10.09	≤30.00	PASS
	Ant2	5844.5	10.16	≤30.00	PASS
SRD 20MHz	Ant1	5735.5	6.90	≤30.00	PASS
	Ant2	5735.5	7.24	≤30.00	PASS
	Ant1	5787.5	7.65	≤30.00	PASS
	Ant2	5787.5	6.40	≤30.00	PASS
	Ant1	5839.5	7.05	≤30.00	PASS
	Ant2	5839.5	7.42	≤30.00	PASS

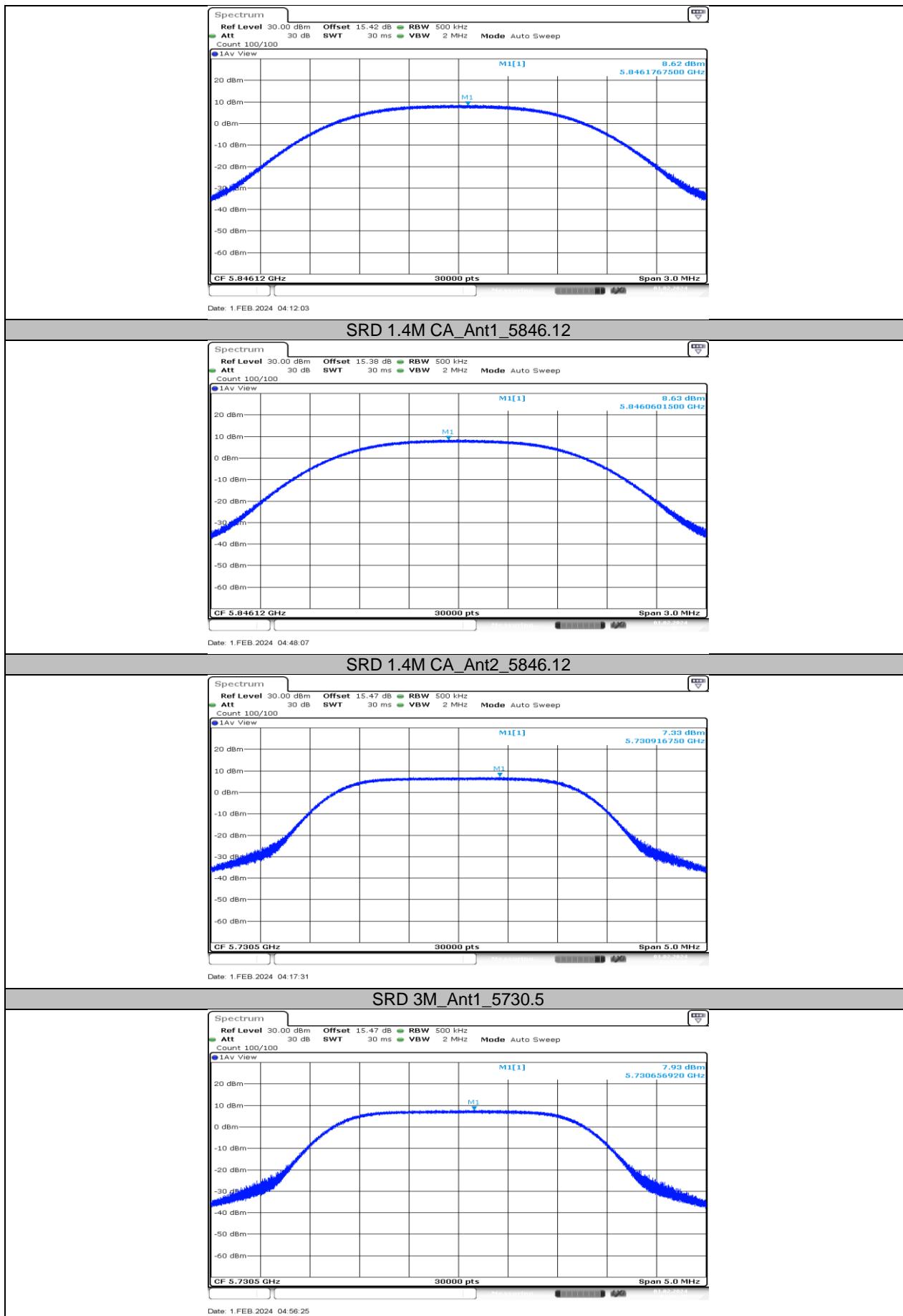
Note: The Result and Limit Unit is dBm/500 kHz in the band 5.725 ~ 5.85 GHz.

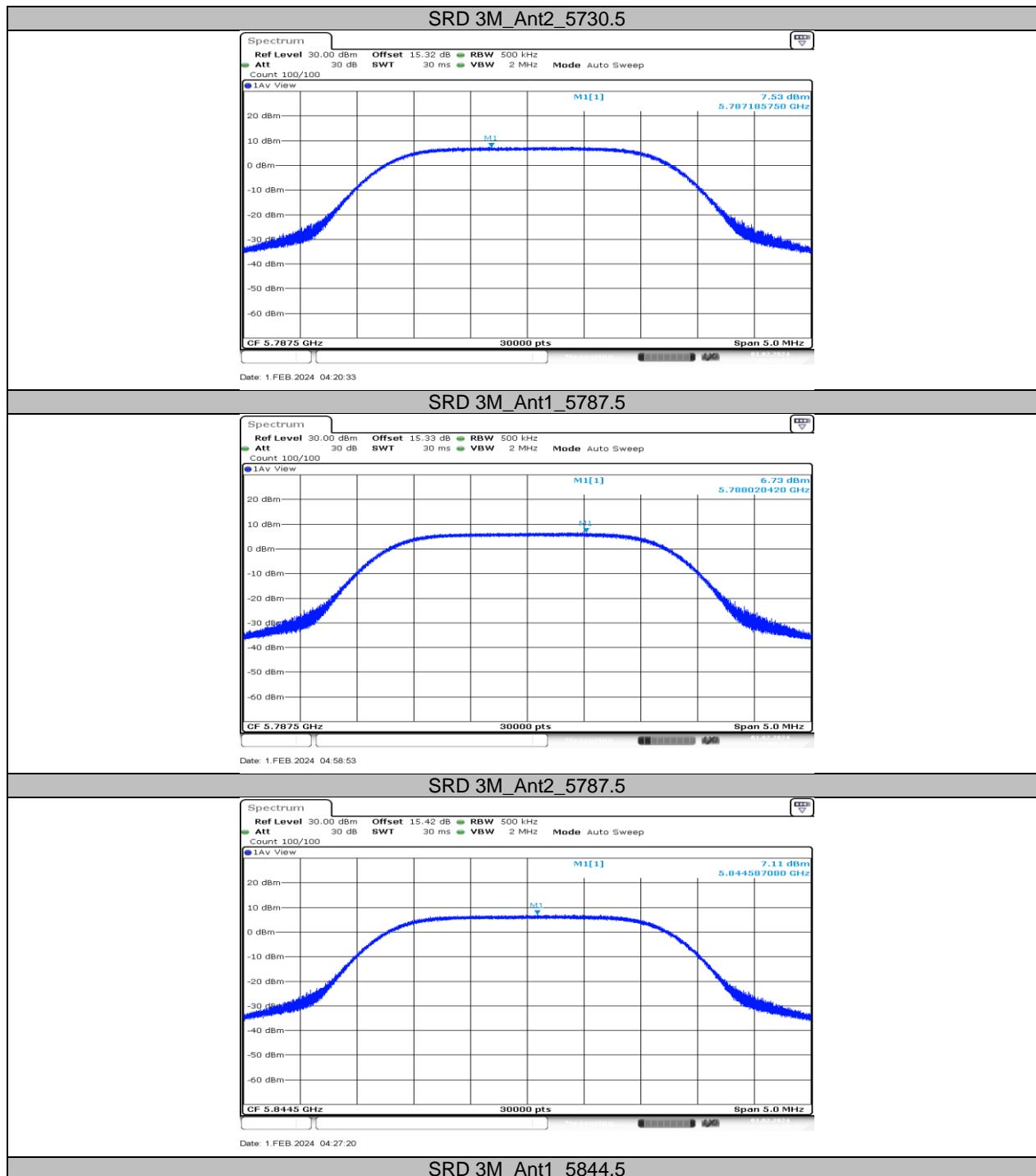
11.4.2. Test Graphs

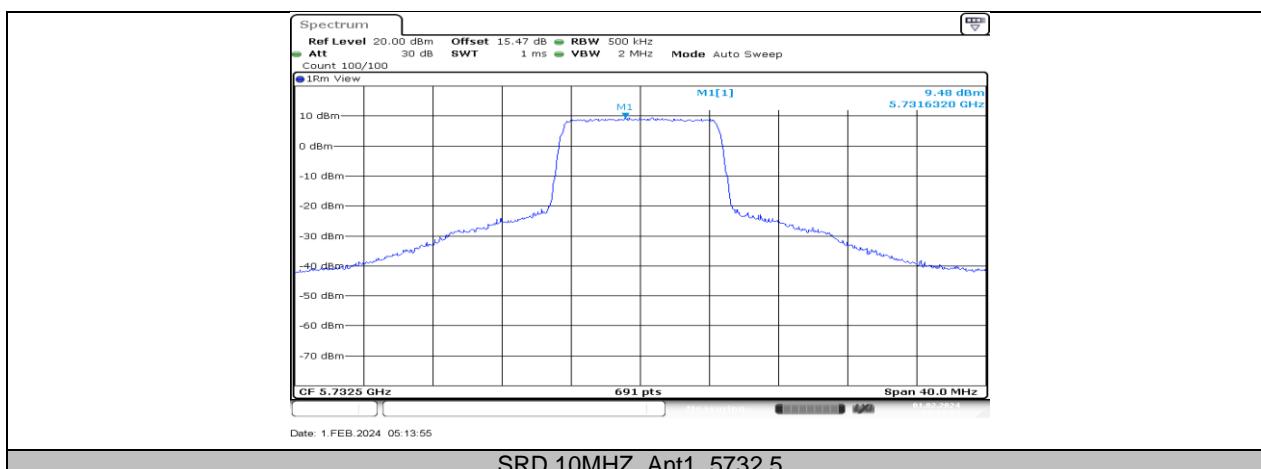




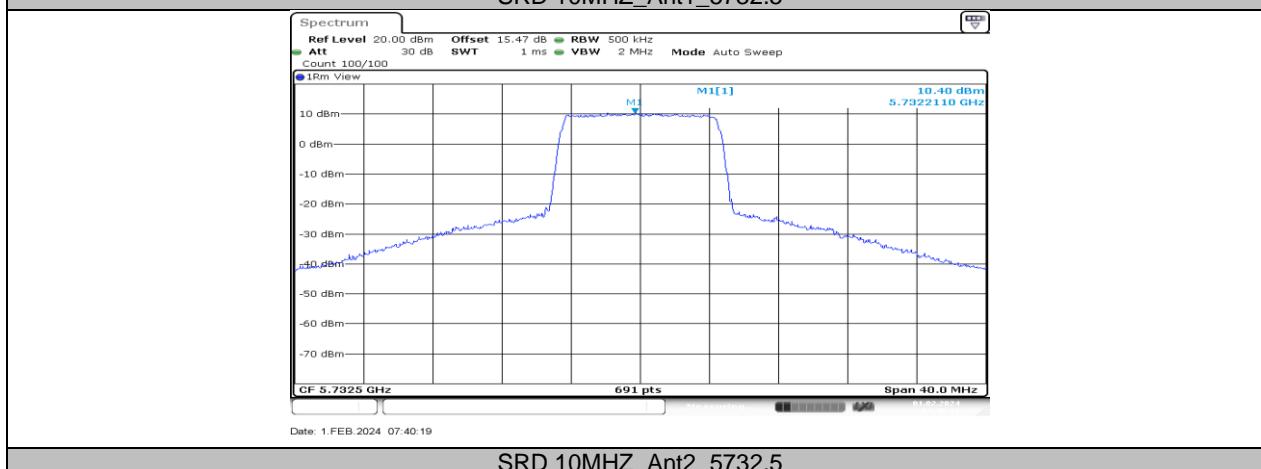




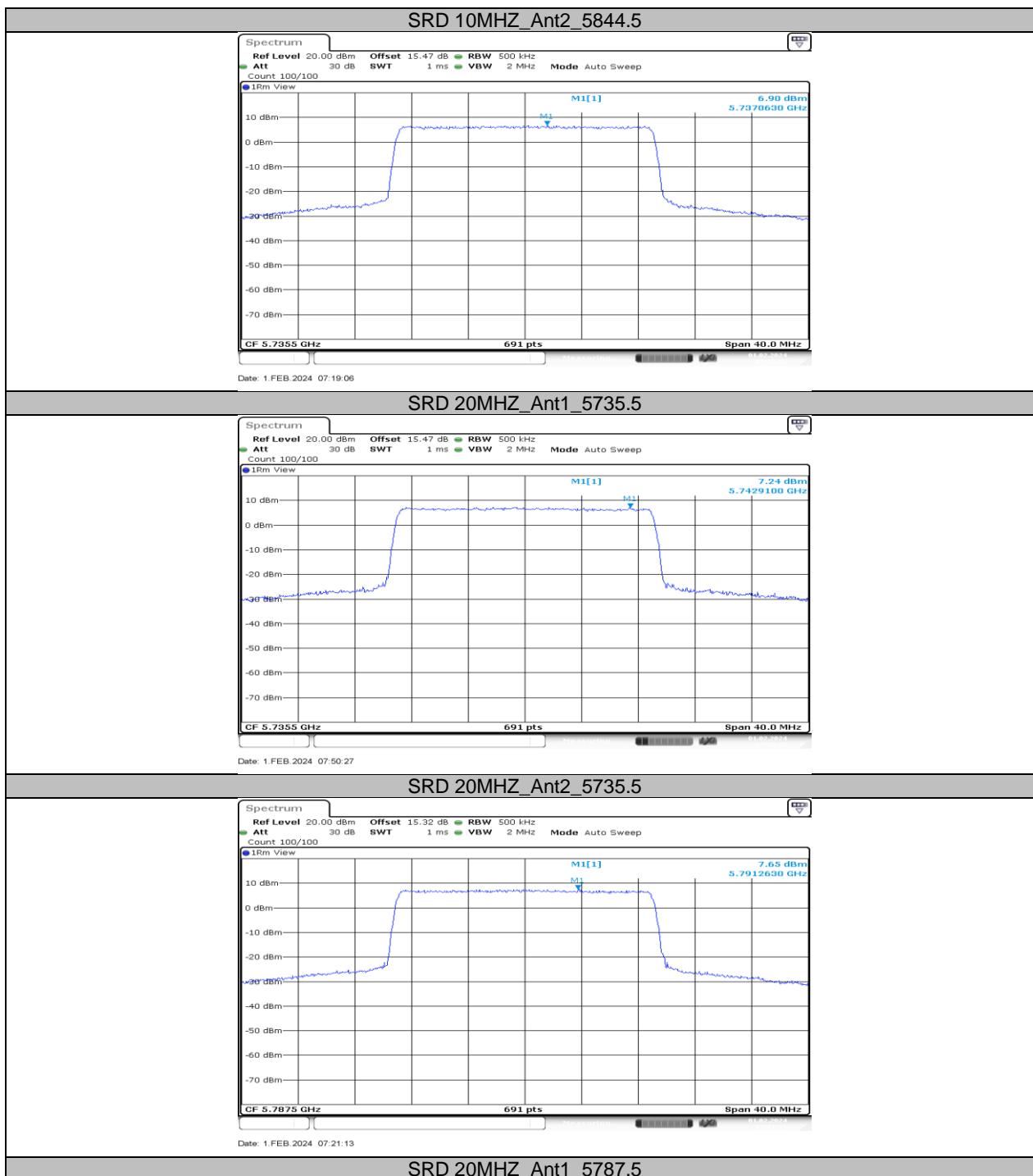


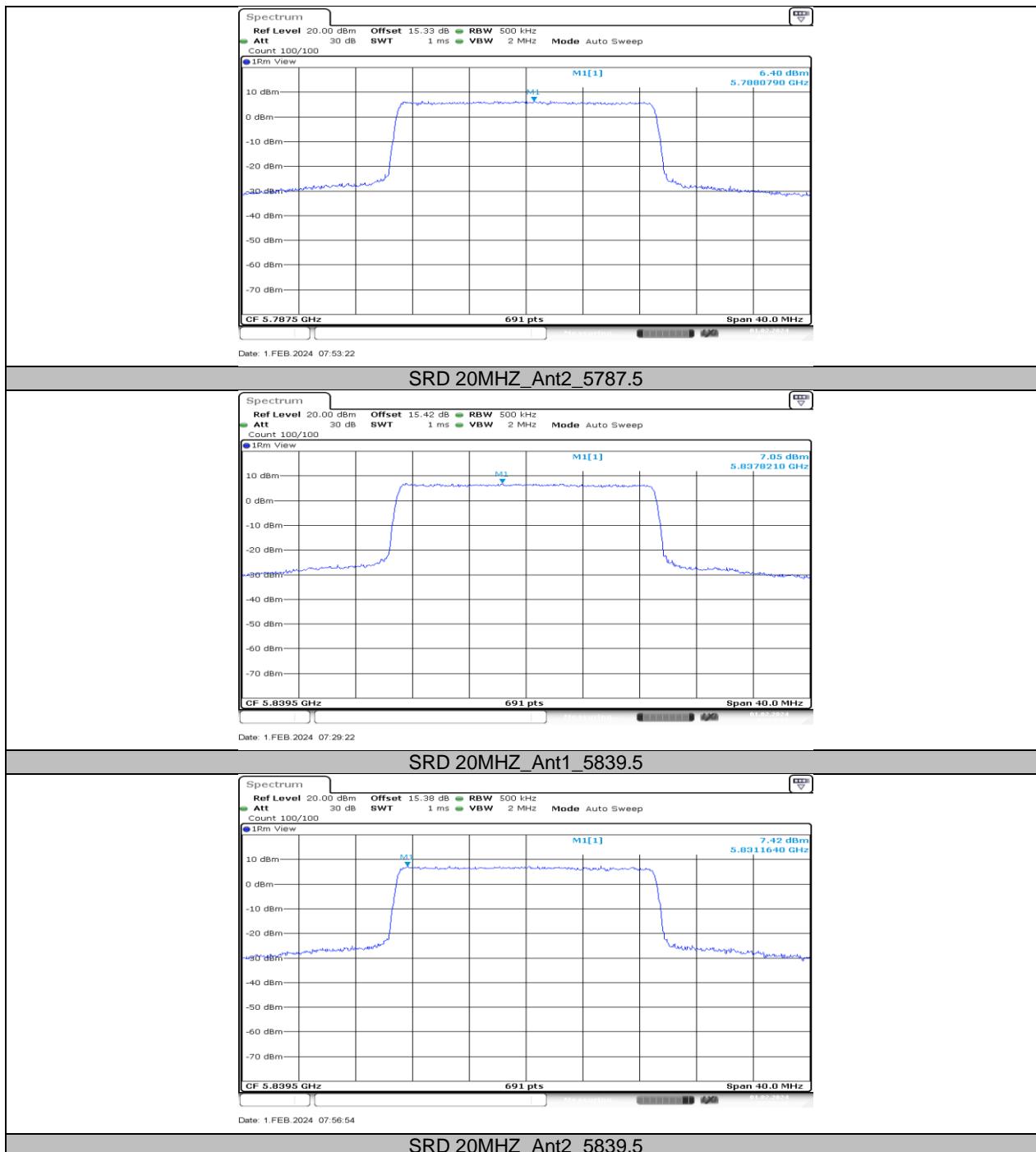


SRD 10MHZ_Ant1_5732.5









11.5. APPENDIX E: FREQUENCY STABILITY

11.5.1. Test Result

Frequency Error vs. Voltage									
1.4 MHz CA Mode: 5788.12 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
TN	VL	5788.1406	3.55	5788.1336	2.36	5788.1360	2.76	5788.1321	2.09
TN	VN	5788.1111	-1.54	5788.1426	3.90	5788.1347	2.54	5788.1119	-1.39
TN	VH	5788.1188	-0.20	5788.1232	0.55	5788.1268	1.17	5788.1008	-3.31
Frequency Error vs. Temperature									
1.4 MHz CA Mode: 5788.12 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
40	V _N	5788.1252	0.91	5788.1006	-3.35	5788.1030	-2.94	5788.1227	0.47
30	V _N	5788.0990	-3.64	5788.1434	4.04	5788.1251	0.88	5788.1113	-1.50
20	V _N	5788.0992	-3.59	5788.1012	-3.25	5788.1255	0.94	5788.1041	-2.74
10	V _N	5788.1407	3.57	5788.1323	2.13	5788.1178	-0.38	5788.1315	1.98
0	V _N	5788.1071	-2.23	5788.0979	-3.83	5788.0985	-3.72	5788.1201	0.02

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

11.6. APPENDIX F: DUTY CYCLE

11.6.1. 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)
SRD 1.4M	50.00	50.00	1.0000	100.00	0.00	0.02	0.01
SRD 1.4M CA	50.00	50.00	1.0000	100.00	0.00	0.02	0.01
SRD 3M	50.00	50.00	1.0000	100.00	0.00	0.02	0.01

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)
SRD 10MHZ	30.00	30.00	1.0000	100.00	0.00	0.03	0.01
SRD 20MHZ	30.00	30.00	1.0000	100.00	0.00	0.03	0.01

Note:

Duty Cycle Correction Factor=10log (1/x).

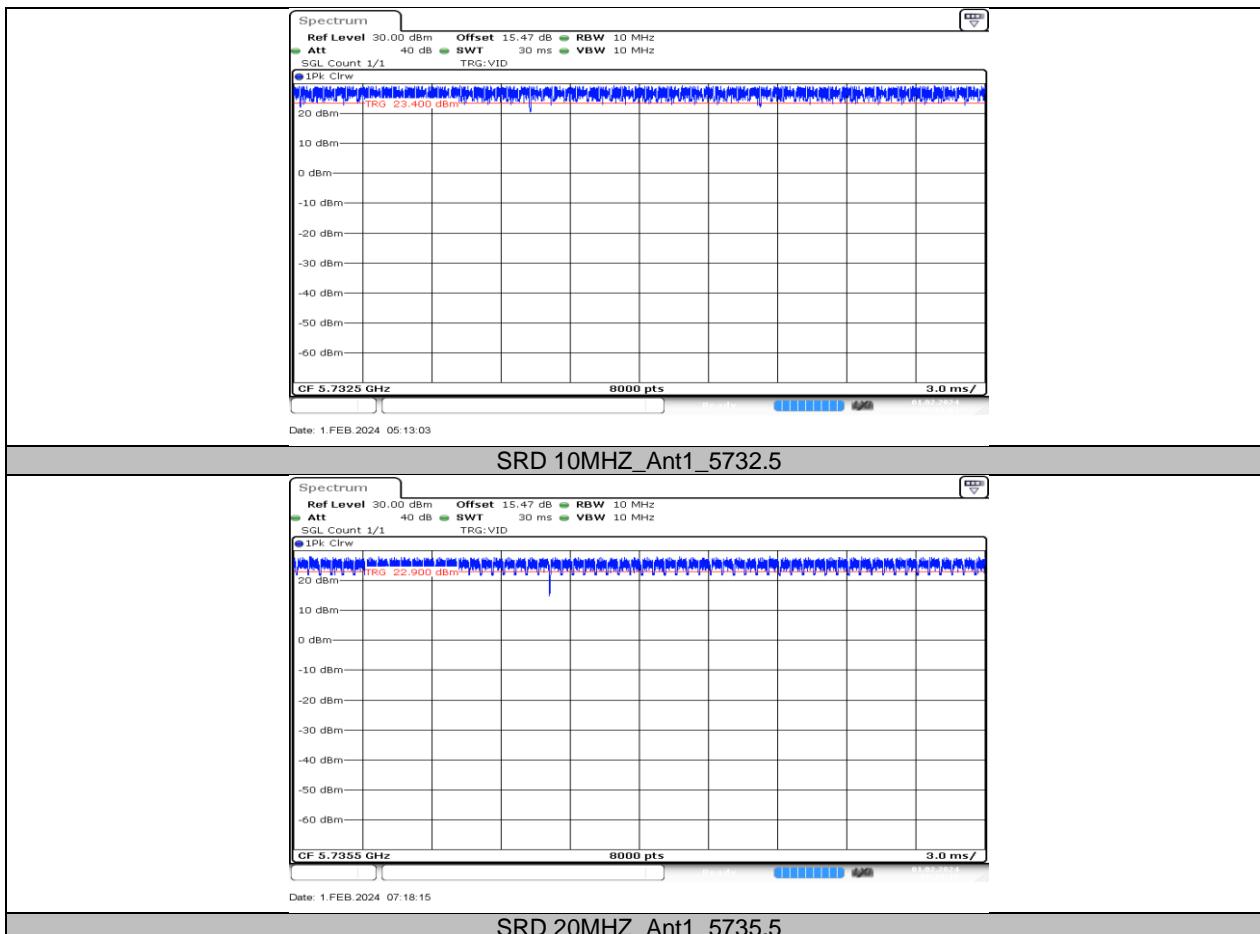
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.6.2. Test Graphs





END OF REPORT