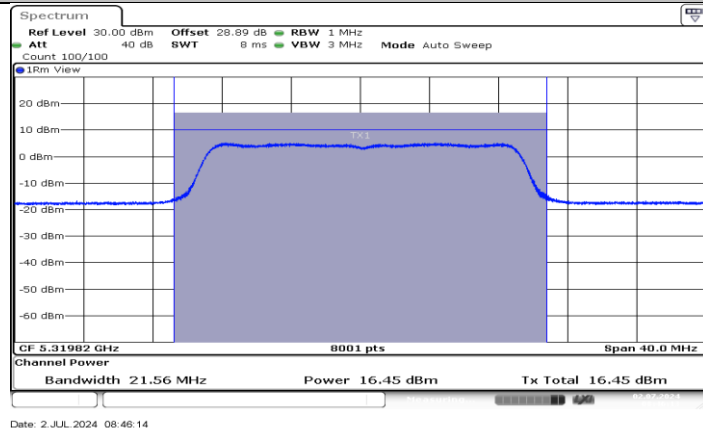
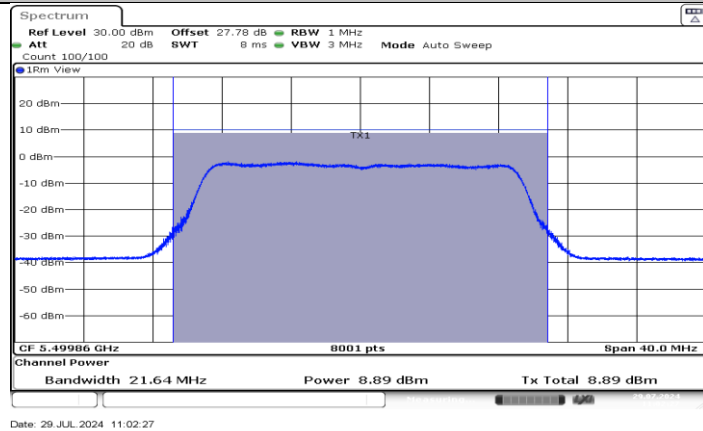


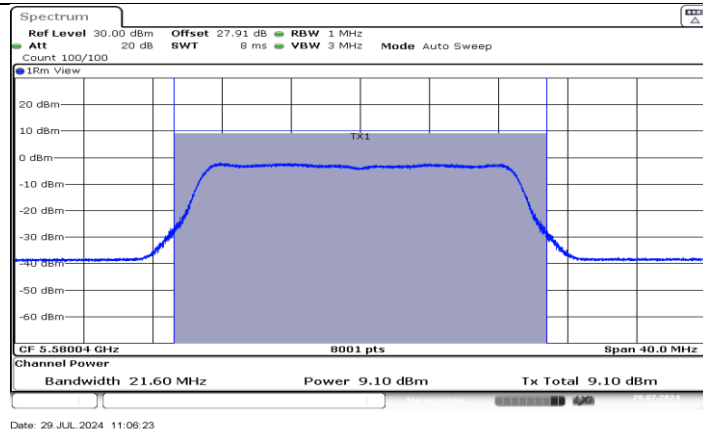
11N20SISO\_Ant1\_5280



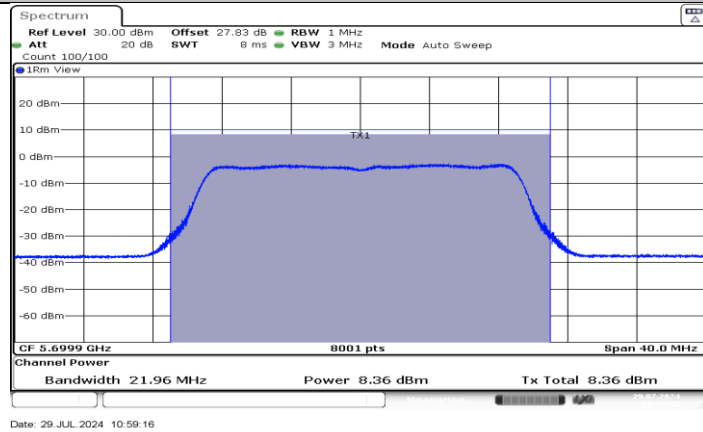
11N20SISO\_Ant1\_5320



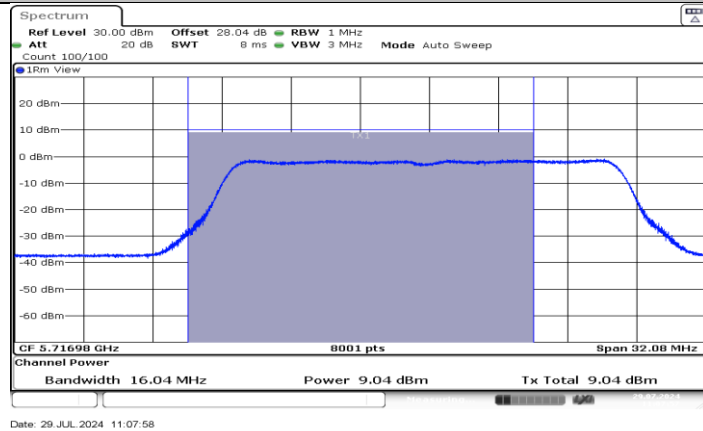
11N20SISO\_Ant1\_5500



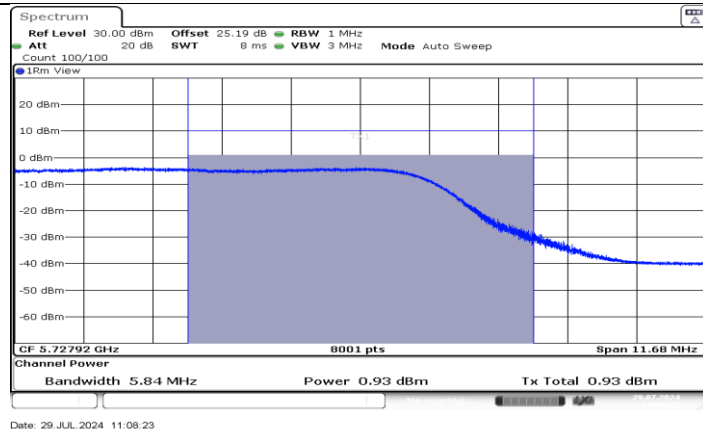
11N20SISO\_Ant1\_5580



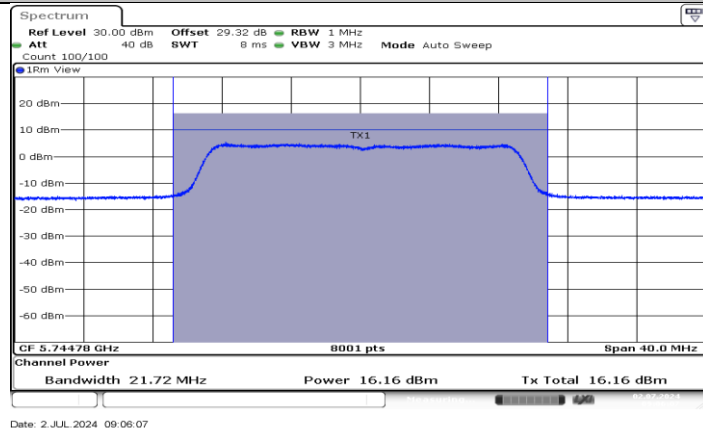
11N20SISO\_Ant1\_5700



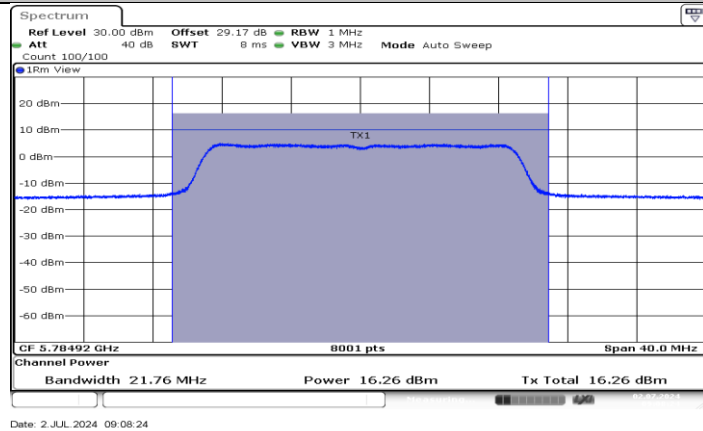
11N20SISO\_Ant1\_5720\_UNII-2C



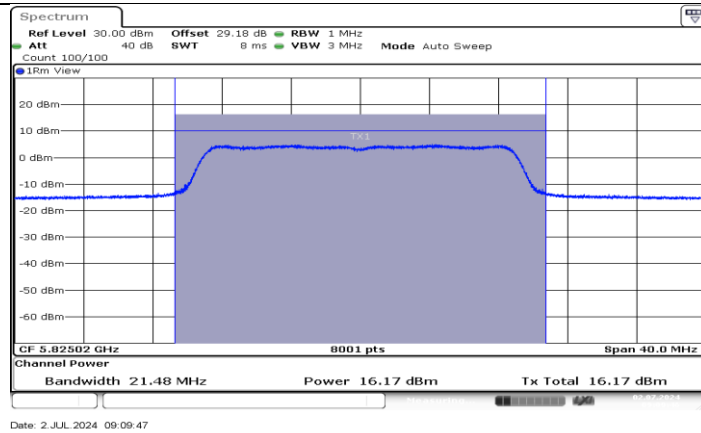
11N20SISO\_Ant1\_5720\_UNII-3



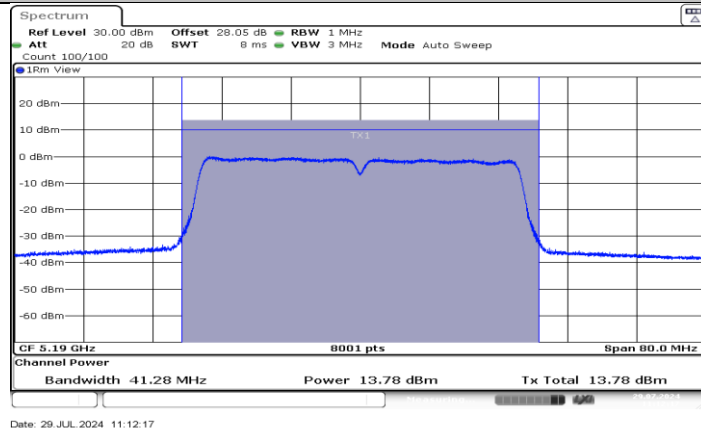
11N20SISO\_Ant1\_5745



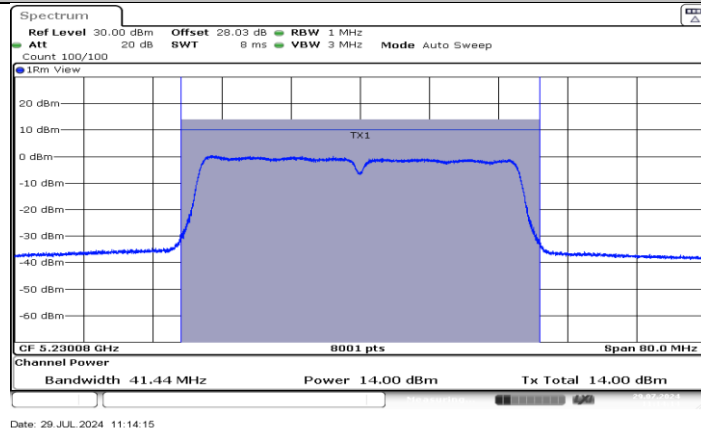
11N20SISO\_Ant1\_5785



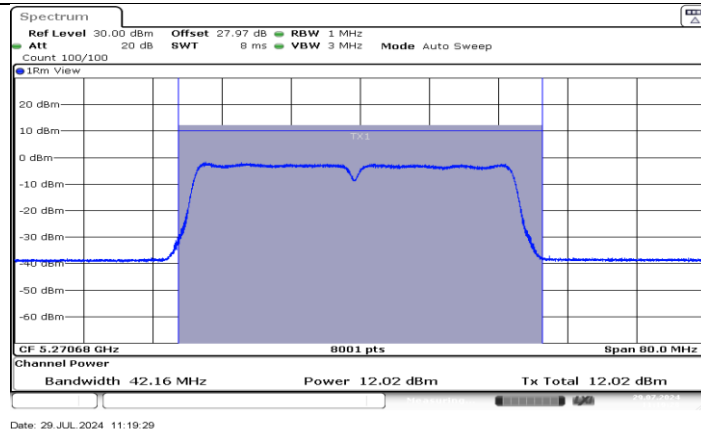
11N20SISO\_Ant1\_5825



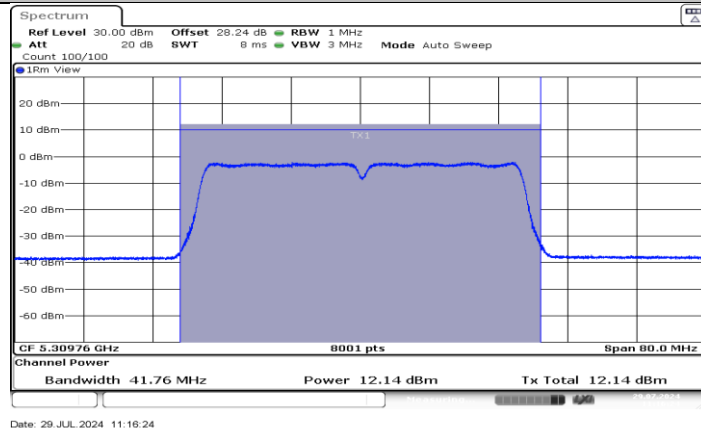
11N40SISO\_Ant1\_5190



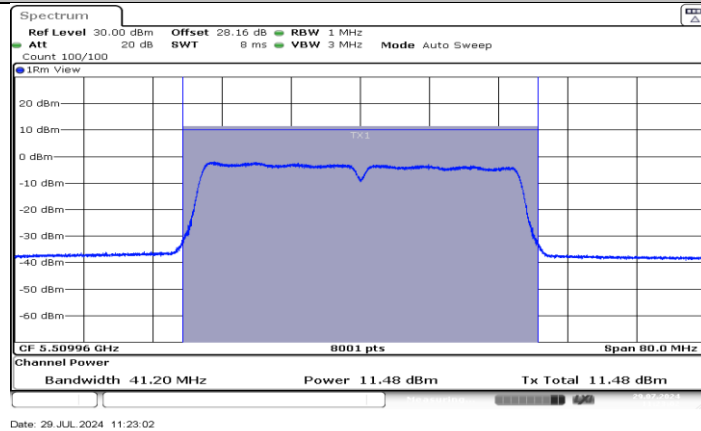
11N40SISO\_Ant1\_5230



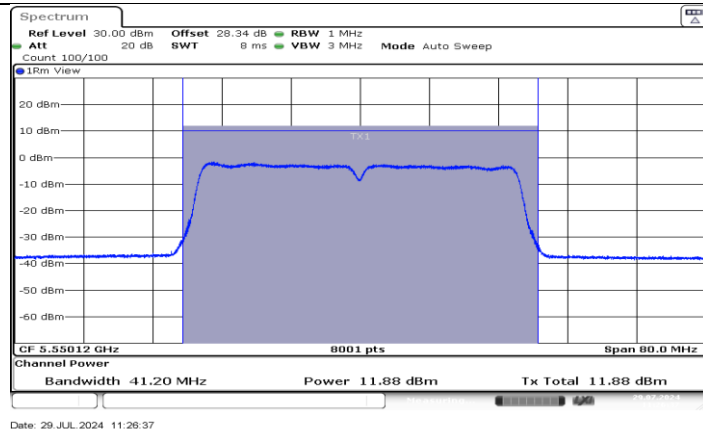
11N40SISO\_Ant1\_5270



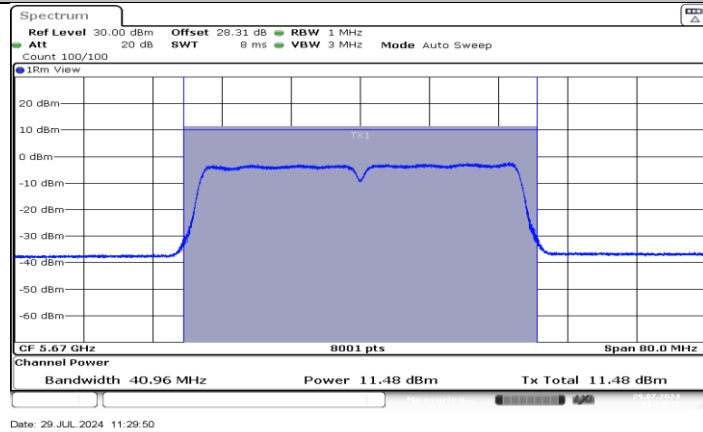
11N40SISO\_Ant1\_5310



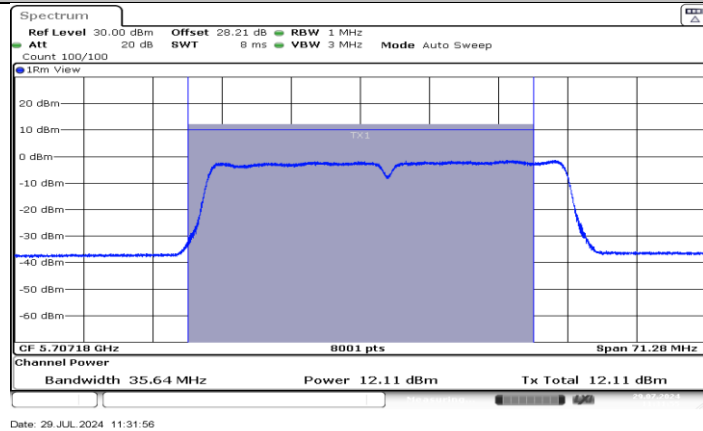
11N40SISO\_Ant1\_5510



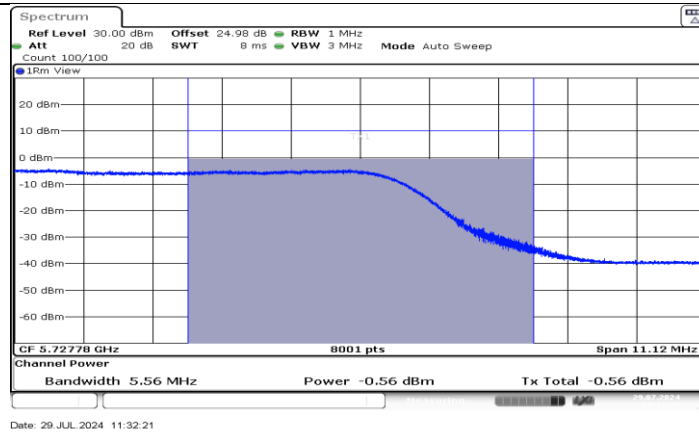
11N40SISO\_Ant1\_5550



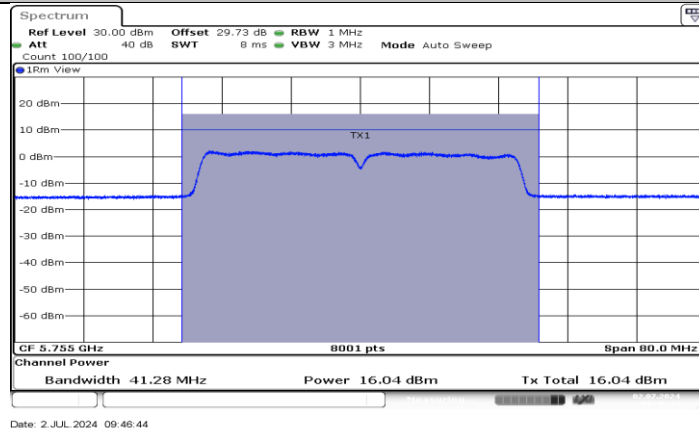
11N40SISO\_Ant1\_5670



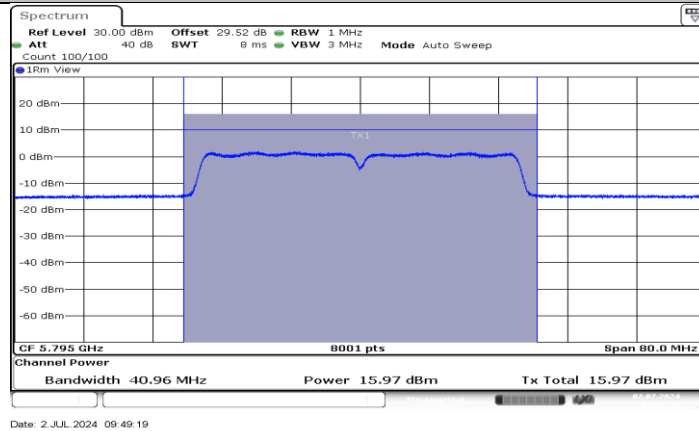
11N40SISO\_Ant1\_5710\_UNII-2C



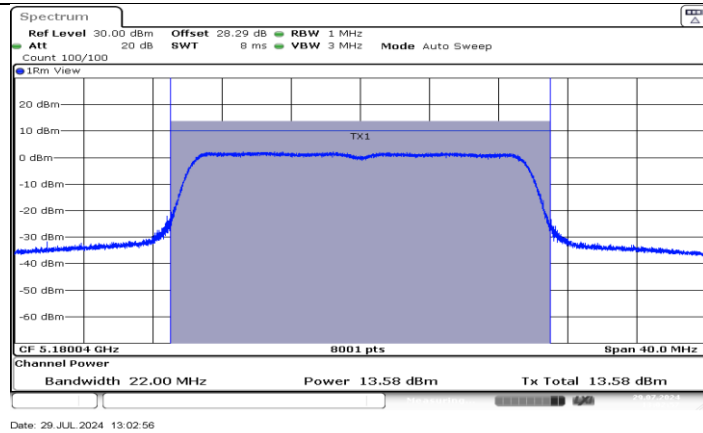
11N40SISO\_Ant1\_5710\_UNII-3



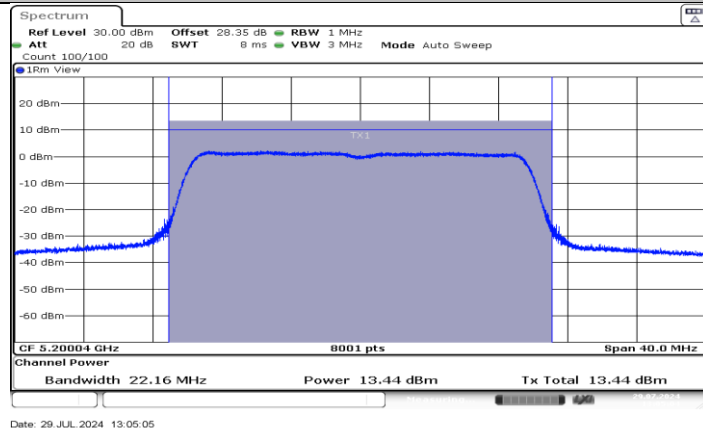
11N40SISO\_Ant1\_5755



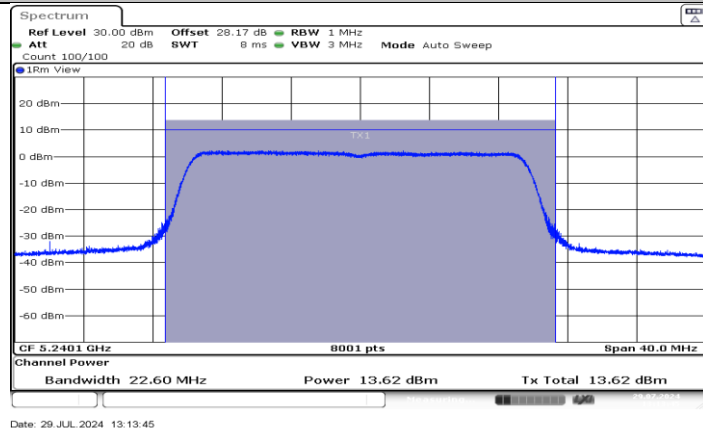
11N40SISO\_Ant1\_5795



11AX20SISO\_Ant1\_5180

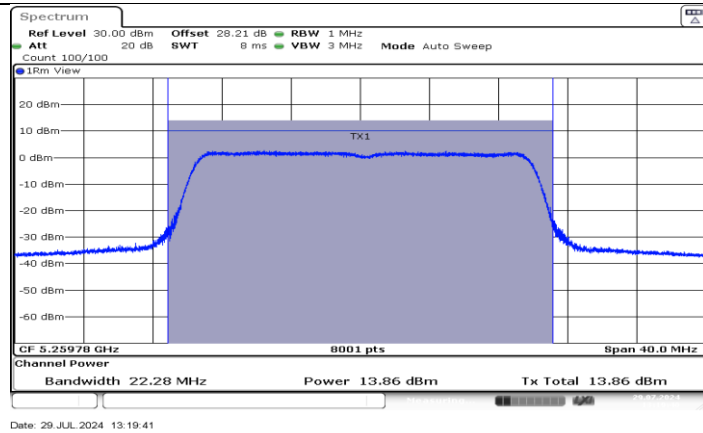


11AX20SISO\_Ant1\_5200

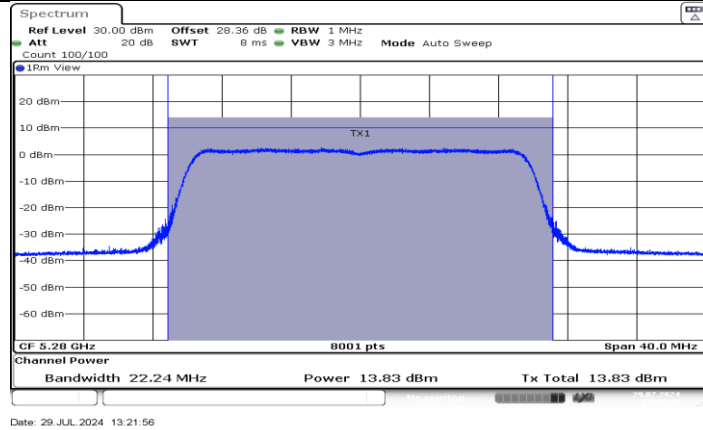


11AX20SISO\_Ant1\_5240

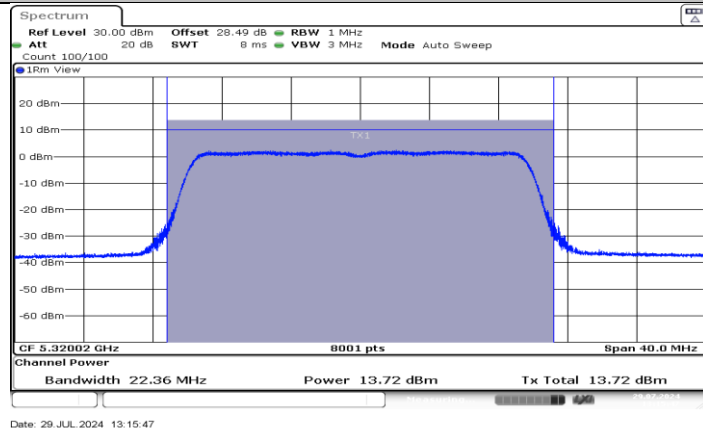




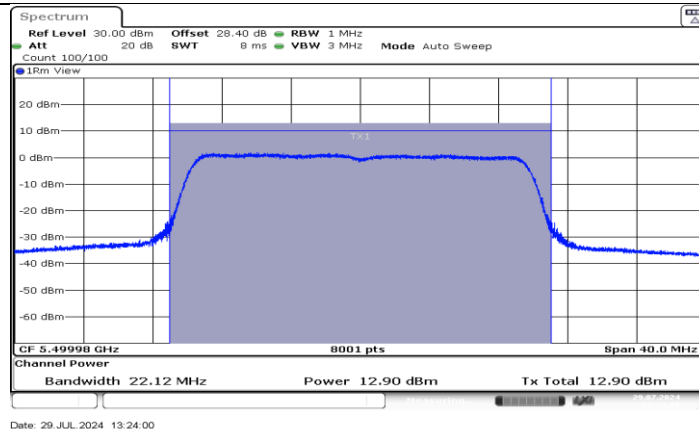
11AX20SISO\_Ant1\_5260



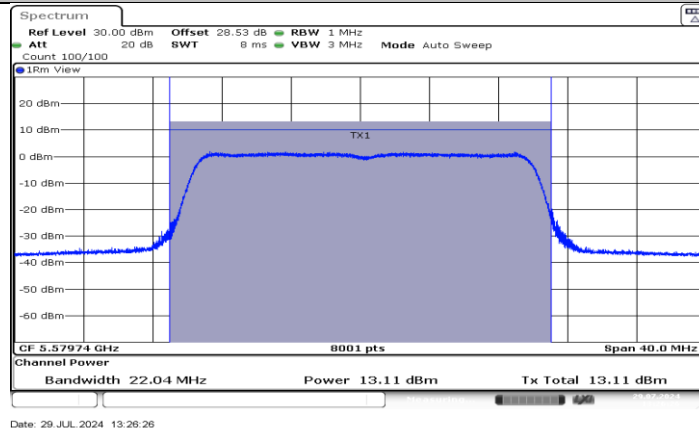
11AX20SISO\_Ant1\_5280



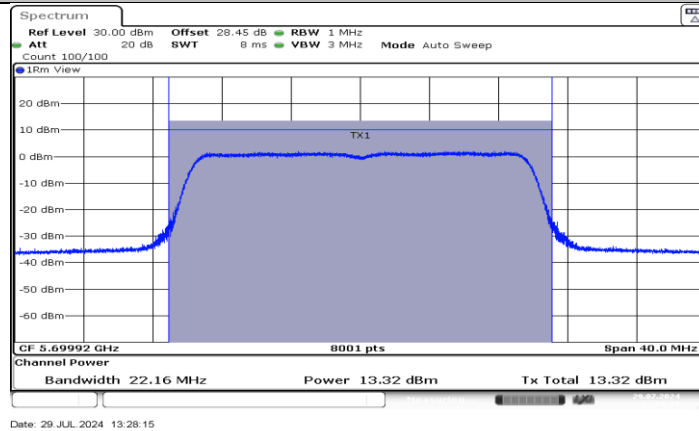
11AX20SISO\_Ant1\_5320



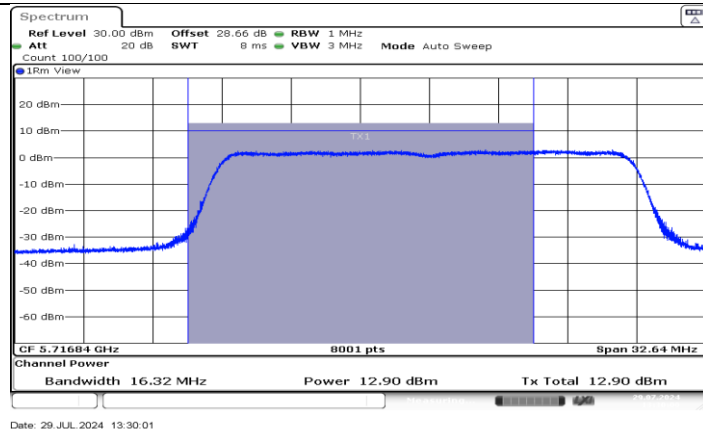
11AX20SISO\_Ant1\_5500



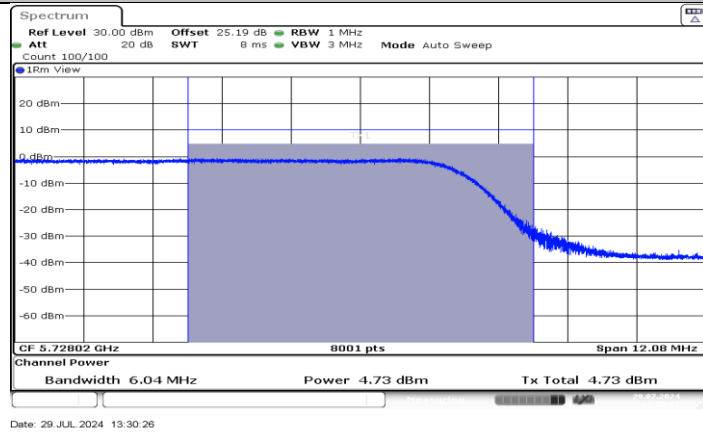
11AX20SISO\_Ant1\_5580



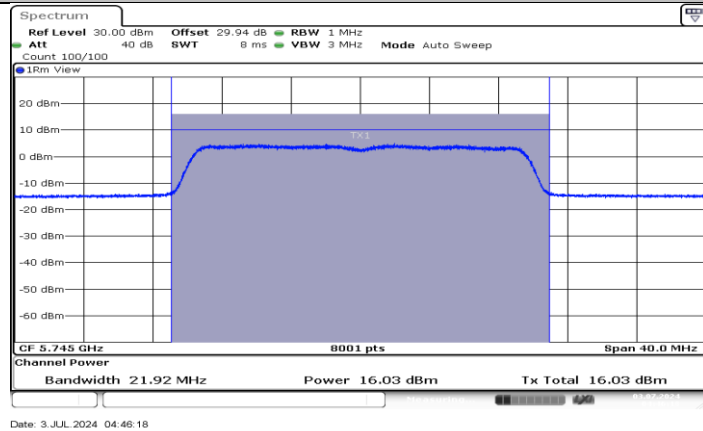
11AX20SISO\_Ant1\_5700



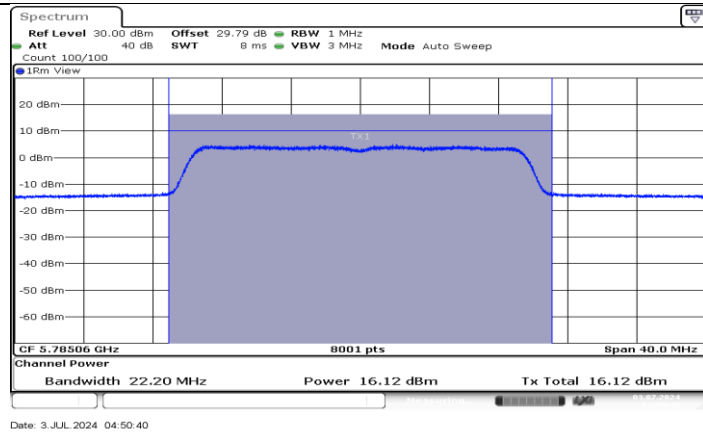
11AX20SISO\_Ant1\_5720\_UNII-2C



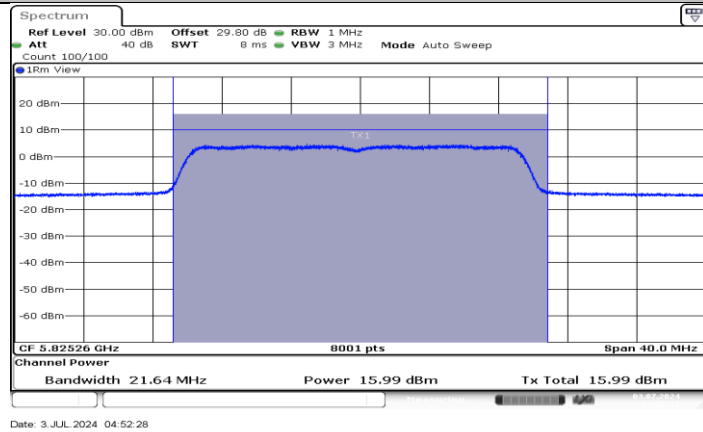
11AX20SISO\_Ant1\_5720\_UNII-3



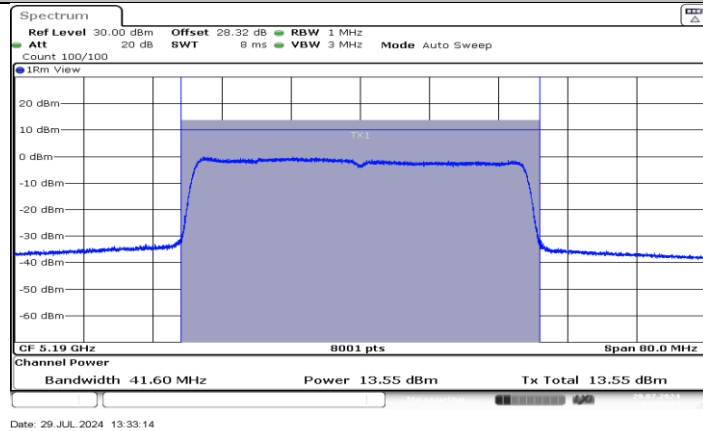
11AX20SISO\_Ant1\_5745



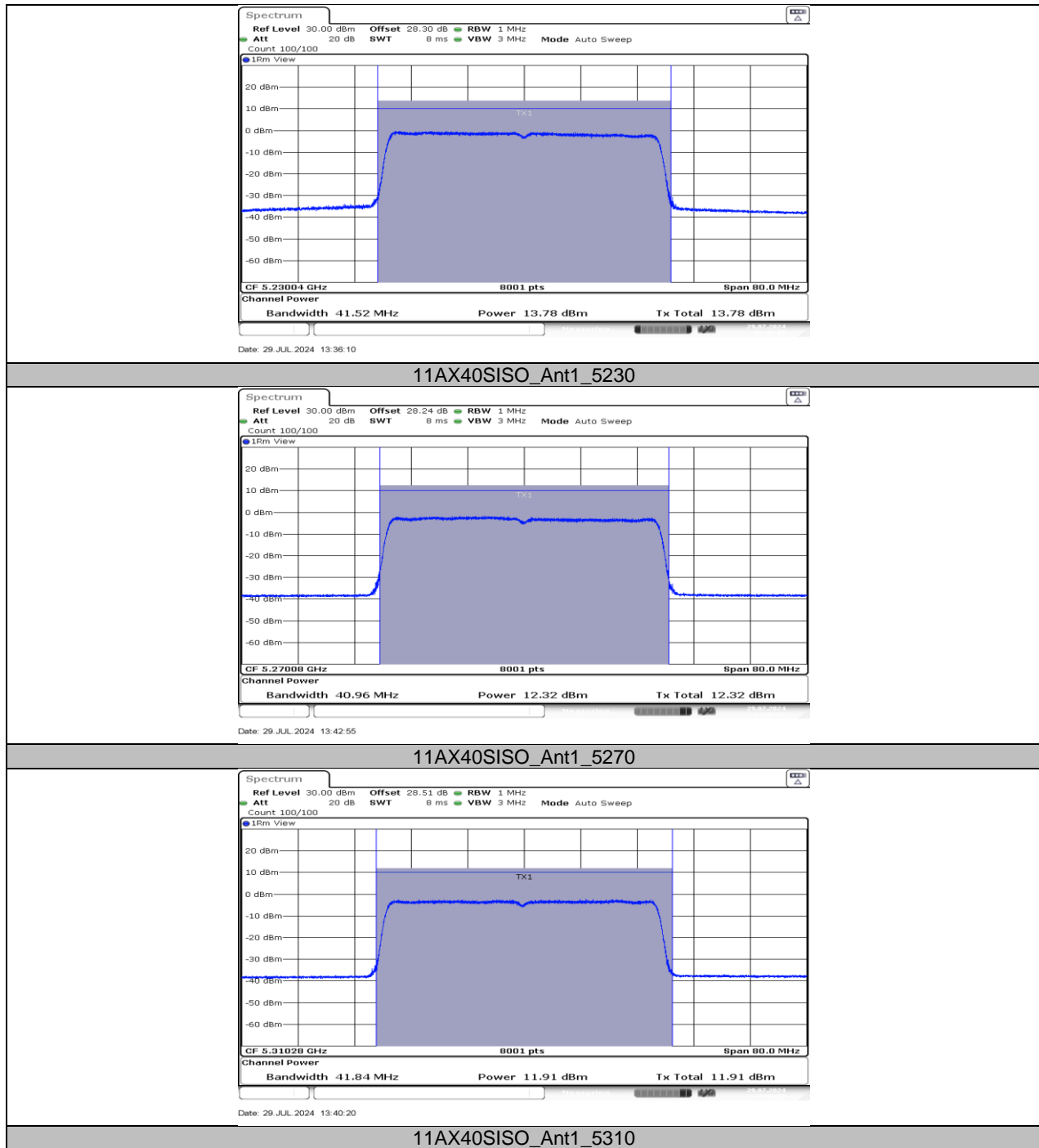
11AX20SISO\_Ant1\_5785

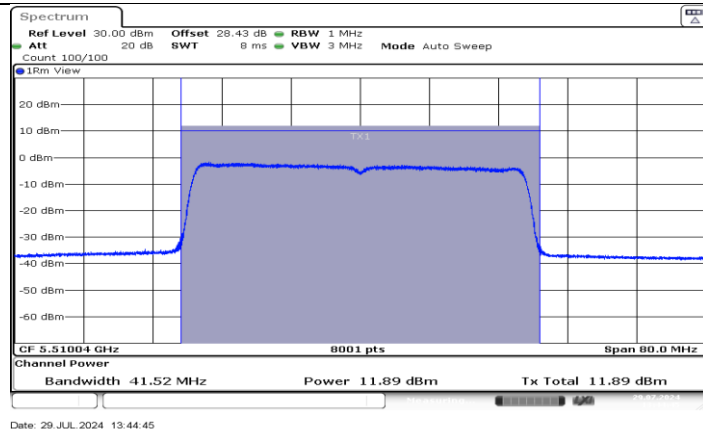


11AX20SISO\_Ant1\_5825

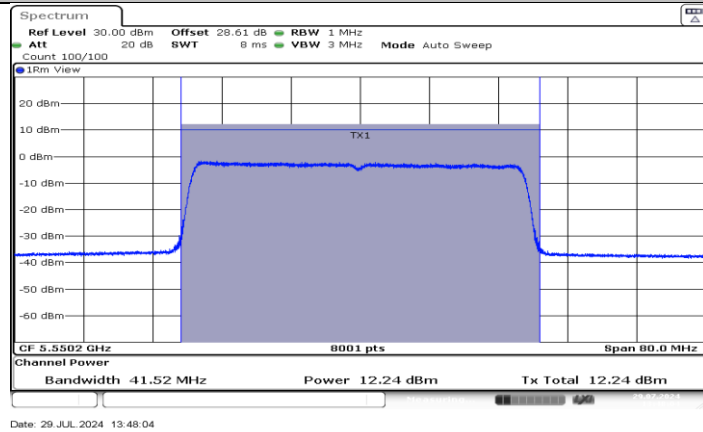


11AX40SISO\_Ant1\_5190





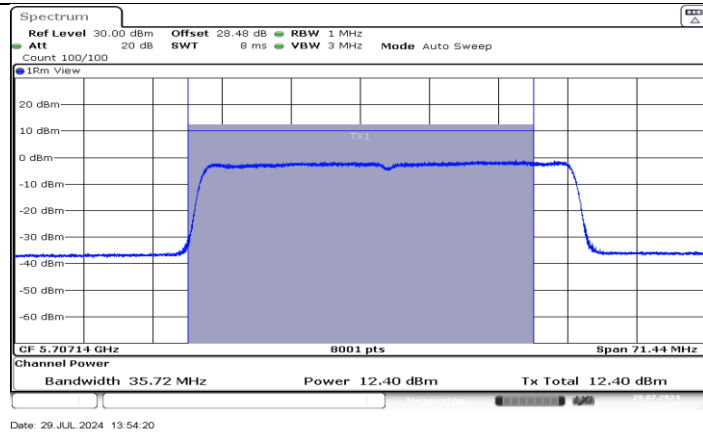
11AX40SISO\_Ant1\_5510



11AX40SISO\_Ant1\_5550



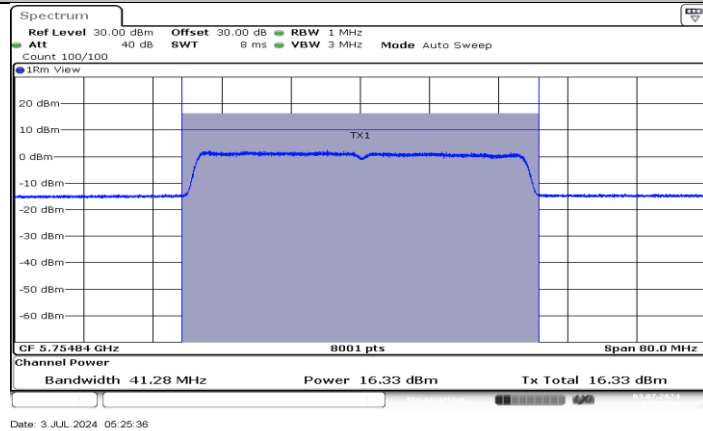
11AX40SISO\_Ant1\_5670



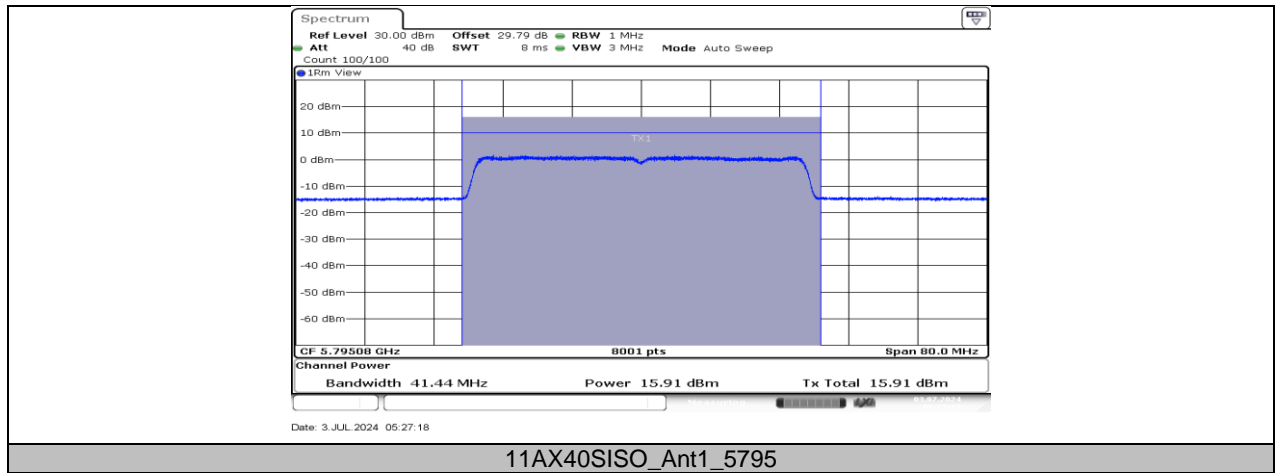
11AX40SISO\_Ant1\_5710\_UNII-2C



11AX40SISO\_Ant1\_5710\_UNII-3



11AX40SISO\_Ant1\_5755





## 11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

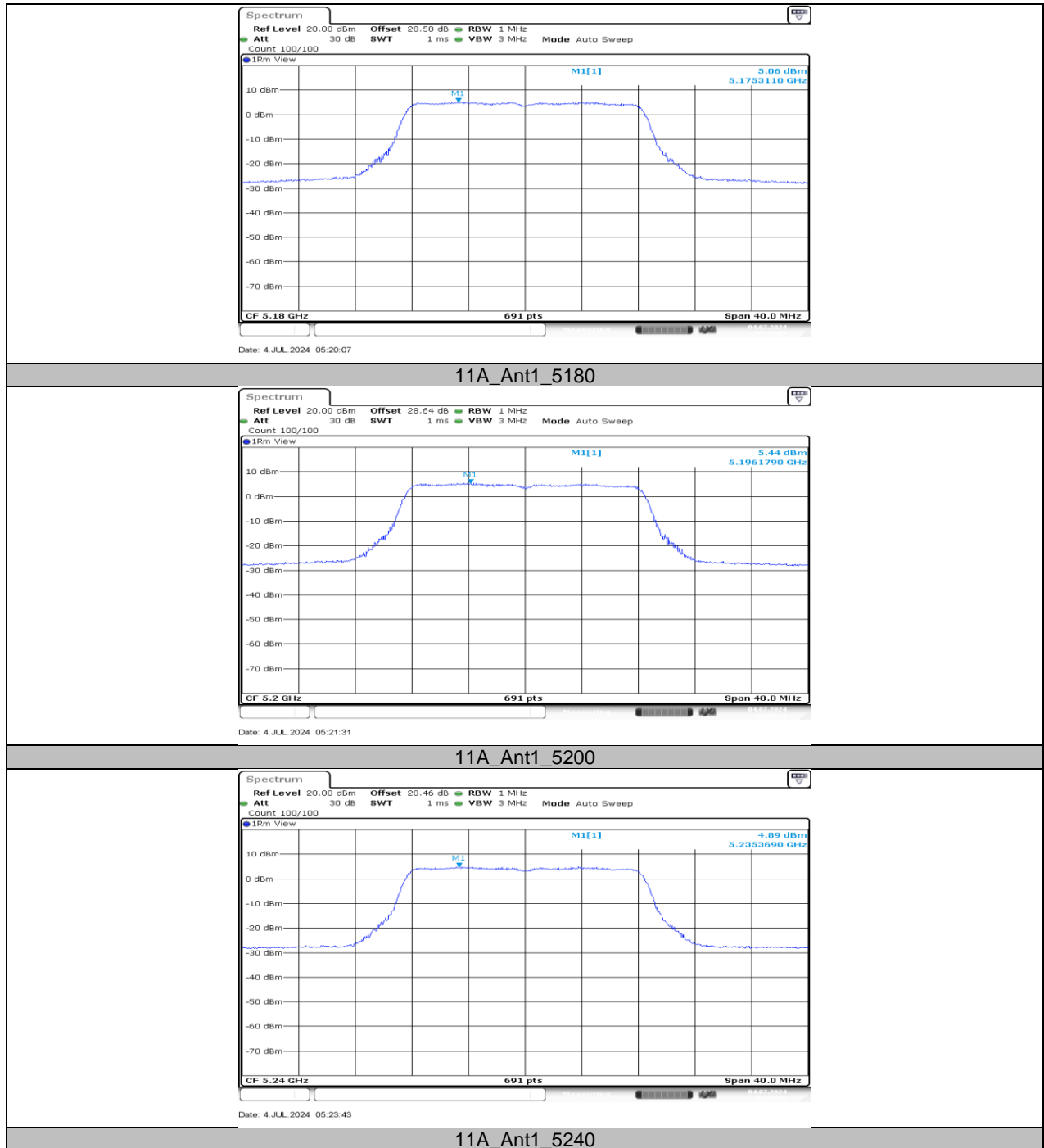
### 11.5.1. Test Result

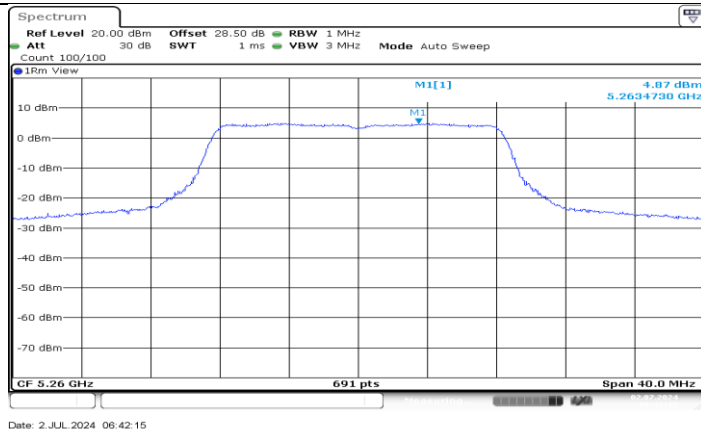
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	5.06	≤11.00	8.99	≤10.00	PASS
		5200	5.44	≤11.00	9.37	≤10.00	PASS
		5240	4.89	≤11.00	8.82	≤10.00	PASS
		5260	4.87	≤11.00	8.80	---	PASS
		5280	4.97	≤11.00	8.90	---	PASS
		5320	5.08	≤11.00	9.01	---	PASS
		5500	-3.12	≤11.00	0.81	---	PASS
		5580	-1.96	≤11.00	1.97	---	PASS
		5700	-3.56	≤11.00	0.37	---	PASS
		5720_UNII-2C	-2.26	≤11.00	1.67	---	PASS
		5720_UNII-3	-4.19	≤30.00	-0.26	---	PASS
		5745	1.82	≤30.00	5.75	---	PASS
		5785	1.65	≤30.00	5.58	---	PASS
		5825	2.33	≤30.00	6.26	---	PASS
11N20SISO	Ant1	5180	4.48	≤11.00	8.41	≤10.00	PASS
		5200	5.06	≤11.00	8.99	≤10.00	PASS
		5240	4.85	≤11.00	8.78	≤10.00	PASS
		5260	4.79	≤11.00	8.72	---	PASS
		5280	4.83	≤11.00	8.76	---	PASS
		5320	4.69	≤11.00	8.62	---	PASS
		5500	-2.82	≤11.00	1.11	---	PASS
		5580	-2.52	≤11.00	1.41	---	PASS
		5700	-2.71	≤11.00	1.22	---	PASS
		5720_UNII-2C	-1.37	≤11.00	2.56	---	PASS
		5720_UNII-3	-4.11	≤30.00	-0.18	---	PASS
		5745	1.22	≤30.00	5.15	---	PASS
		5785	1.89	≤30.00	5.82	---	PASS
		5825	2.13	≤30.00	6.06	---	PASS
11N40SISO	Ant1	5190	-0.10	≤11.00	3.83	≤10.00	PASS
		5230	-0.01	≤11.00	3.92	≤10.00	PASS
		5270	-2.30	≤11.00	1.63	---	PASS
		5310	-2.49	≤11.00	1.44	---	PASS
		5510	-2.15	≤11.00	1.78	---	PASS
		5550	-2.34	≤11.00	1.59	---	PASS
		5670	-2.65	≤11.00	1.28	---	PASS
		5710_UNII-2C	-1.67	≤11.00	2.26	---	PASS
		5710_UNII-3	-4.79	≤30.00	-0.86	---	PASS
		5755	-1.27	≤30.00	2.66	---	PASS
		5795	-1.77	≤30.00	2.16	---	PASS
11AX20SISO	Ant1	5180	1.74	≤11.00	5.67	≤10.00	PASS
		5200	2.10	≤11.00	6.03	≤10.00	PASS
		5240	2.21	≤11.00	6.14	≤10.00	PASS
		5260	2.14	≤11.00	6.07	---	PASS
		5280	2.02	≤11.00	5.95	---	PASS
		5320	1.76	≤11.00	5.69	---	PASS
		5500	1.17	≤11.00	5.10	---	PASS
		5580	0.97	≤11.00	4.90	---	PASS
		5700	1.28	≤11.00	5.21	---	PASS
		5720_UNII-2C	2.74	≤11.00	6.67	---	PASS
		5720_UNII-3	-0.62	≤30.00	3.31	---	PASS
		5745	1.21	≤30.00	5.14	---	PASS
		5785	1.32	≤30.00	5.25	---	PASS
		5825	1.12	≤30.00	5.05	---	PASS
11AX40SISO	Ant1	5190	-0.65	≤11.00	3.28	≤10.00	PASS
		5230	-0.43	≤11.00	3.50	≤10.00	PASS

		5270	-2.47	$\leq 11.00$	1.46	---	PASS
		5310	-2.93	$\leq 11.00$	1.00	---	PASS
		5510	-2.07	$\leq 11.00$	1.86	---	PASS
		5550	-2.25	$\leq 11.00$	1.68	---	PASS
		5670	-2.06	$\leq 11.00$	1.87	---	PASS
		5710_UNII-2C	-1.83	$\leq 11.00$	2.10	---	PASS
		5710_UNII-3	-4.09	$\leq 30.00$	-0.16	---	PASS
		5755	-1.05	$\leq 30.00$	2.88	---	PASS
		5795	-2.00	$\leq 30.00$	1.93	---	PASS

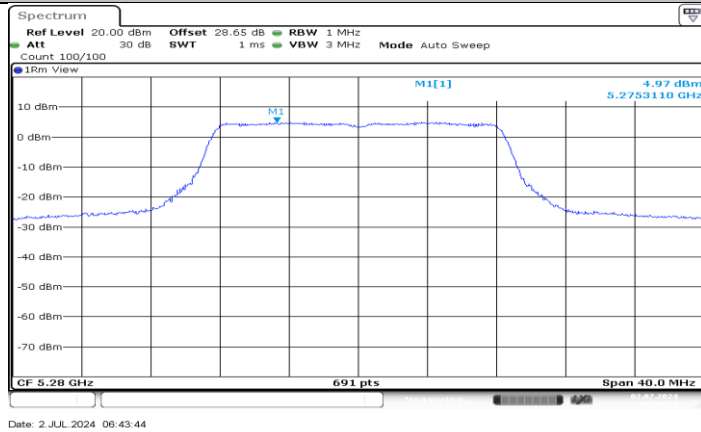
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

## 11.5.2. Test Graphs

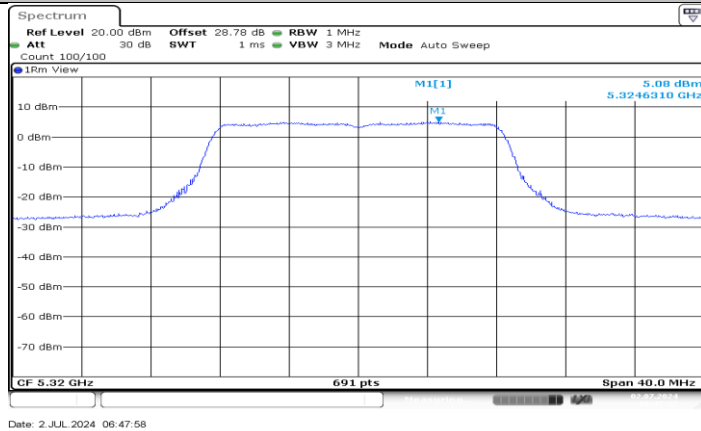




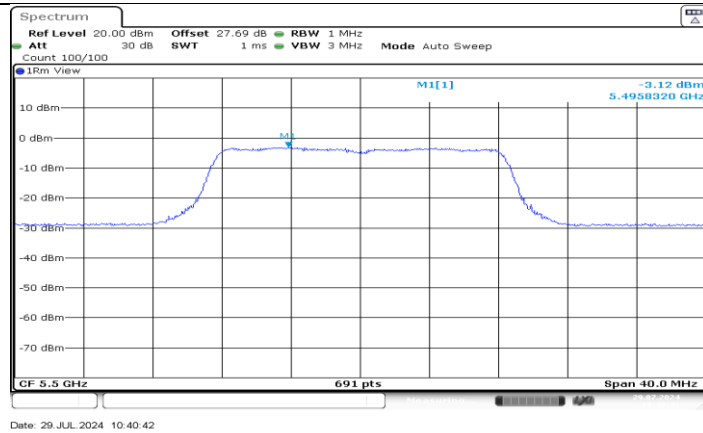
11A\_Ant1\_5260



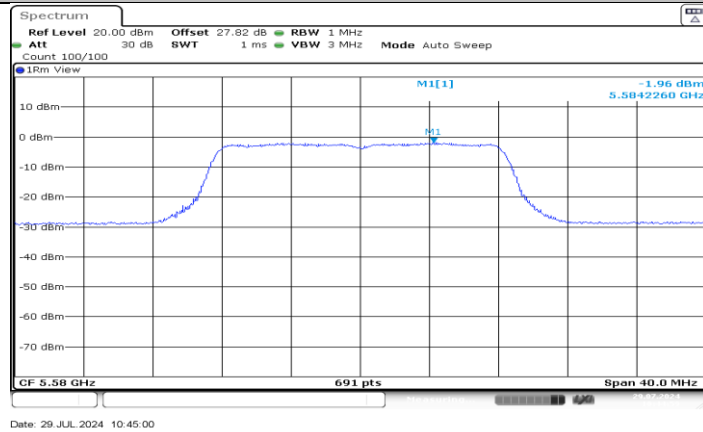
11A\_Ant1\_5280



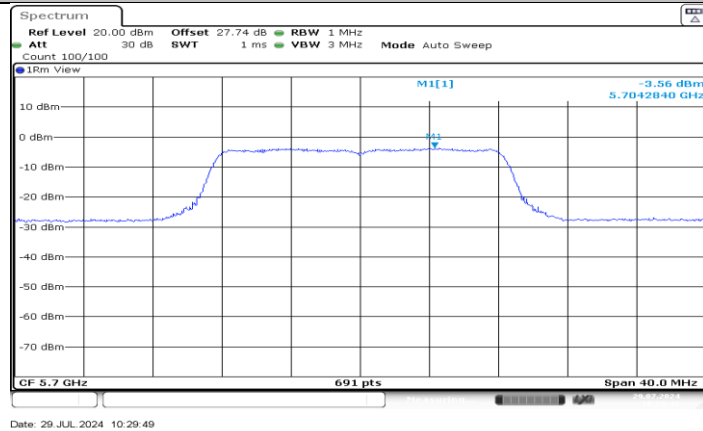
11A\_Ant1\_5320



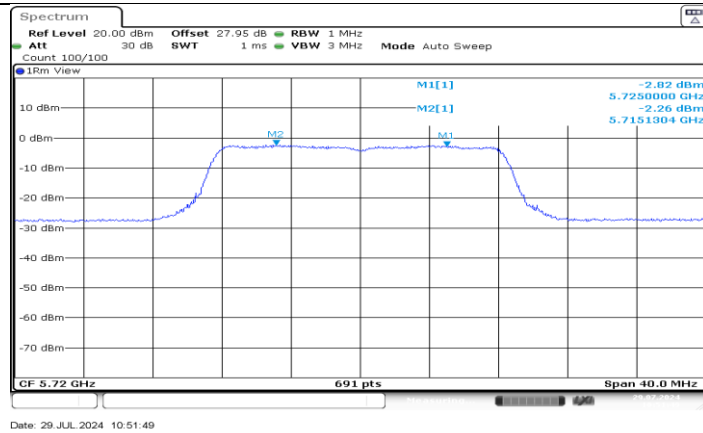
11A\_Ant1\_5500



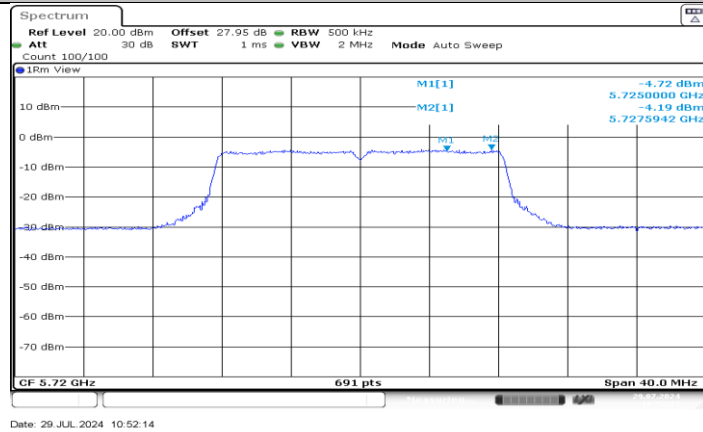
11A\_Ant1\_5580



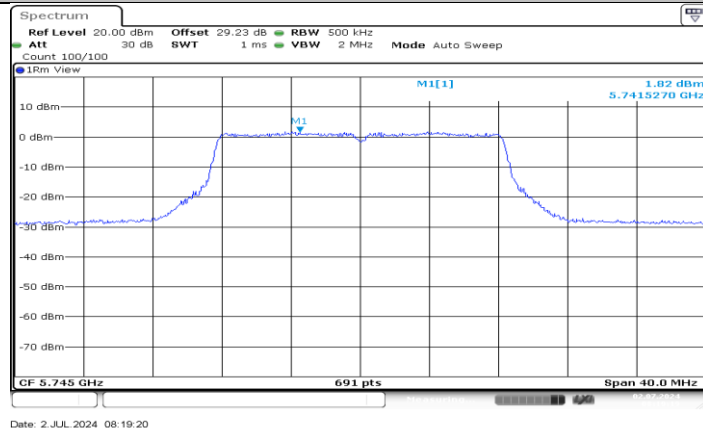
11A\_Ant1\_5700



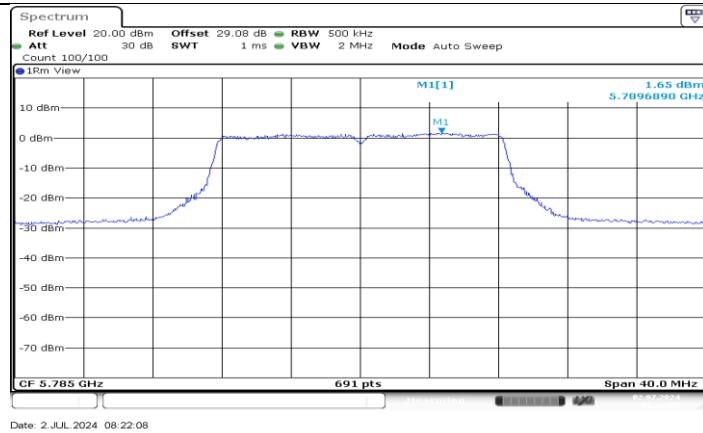
11A\_Ant1\_5720\_UNII-2C



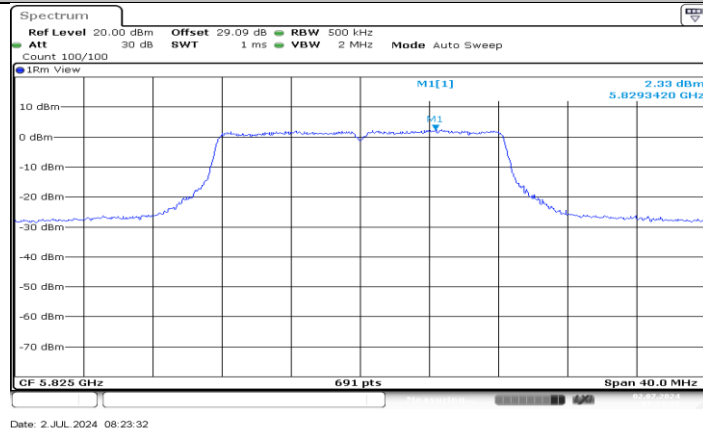
11A\_Ant1\_5720\_UNII-3



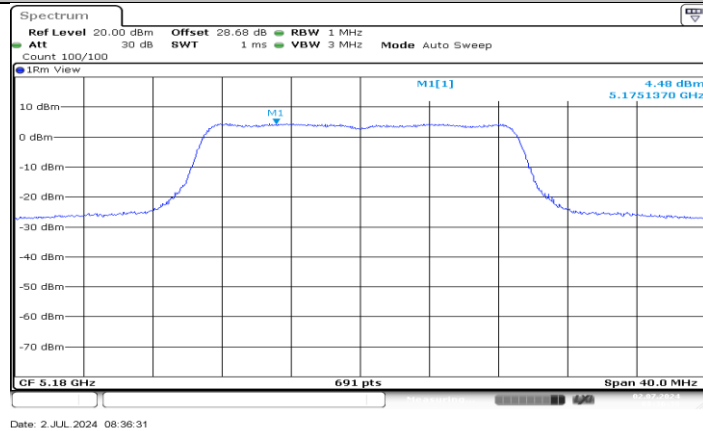
11A\_Ant1\_5745



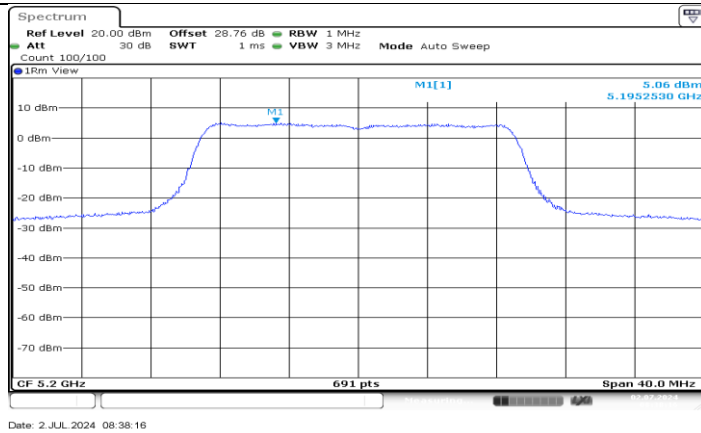
11A\_Ant1\_5785



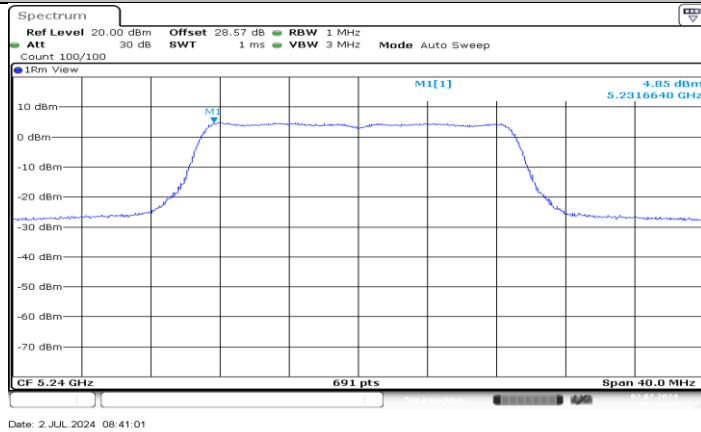
11A\_Ant1\_5825



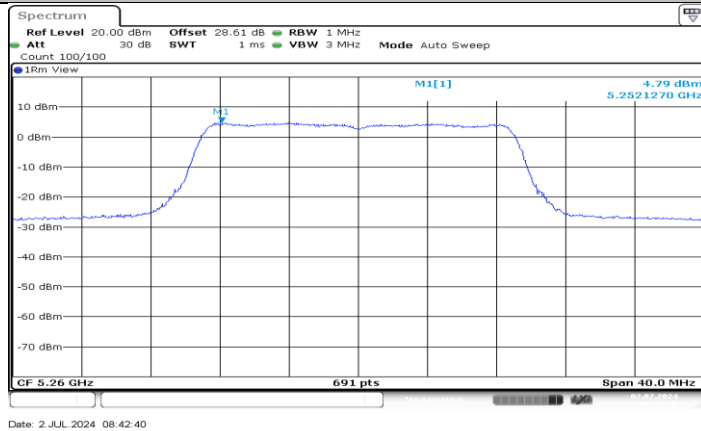
11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200

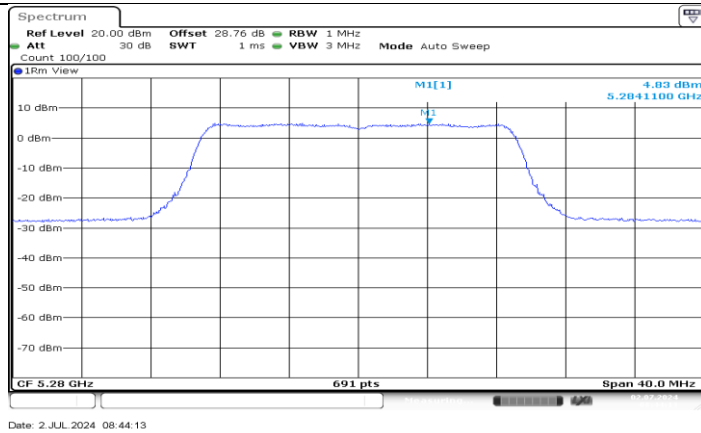


11N20SISO\_Ant1\_5240

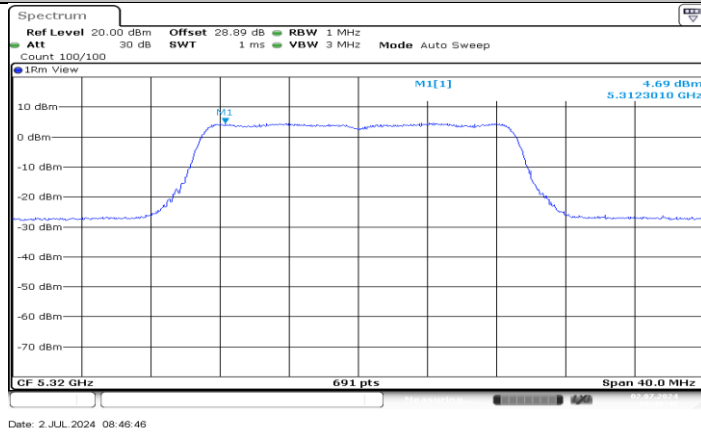


11N20SISO\_Ant1\_5260

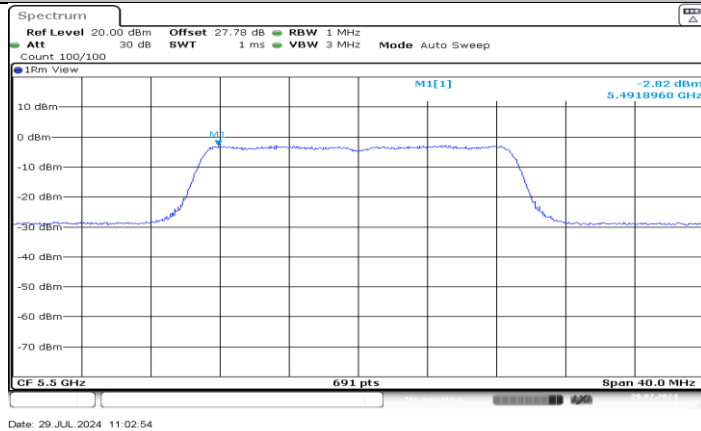




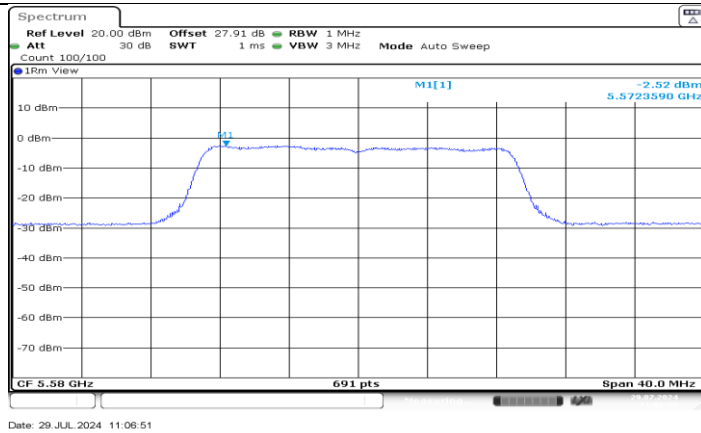
11N20SISO\_Ant1\_5280



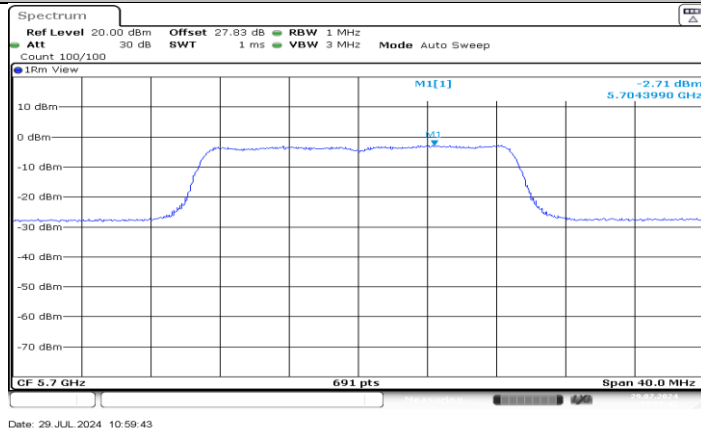
11N20SISO\_Ant1\_5320



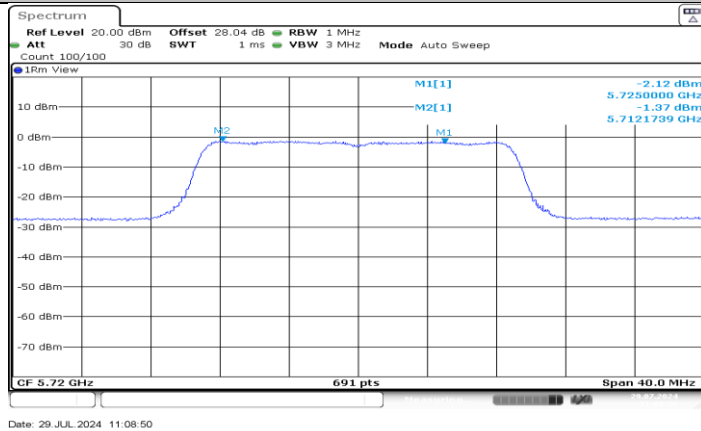
11N20SISO\_Ant1\_5500



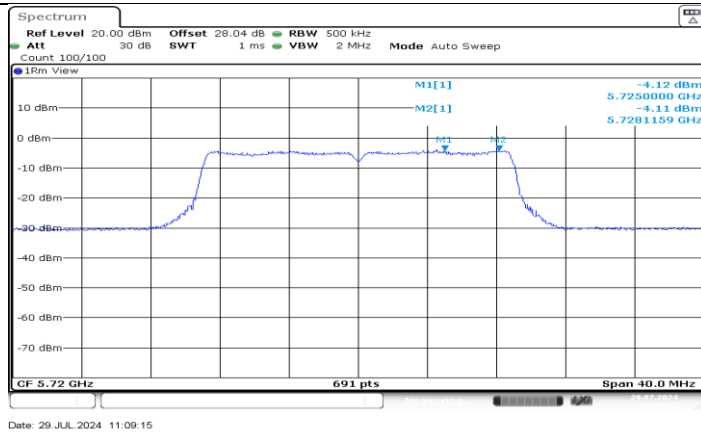
11N20SISO\_Ant1\_5580



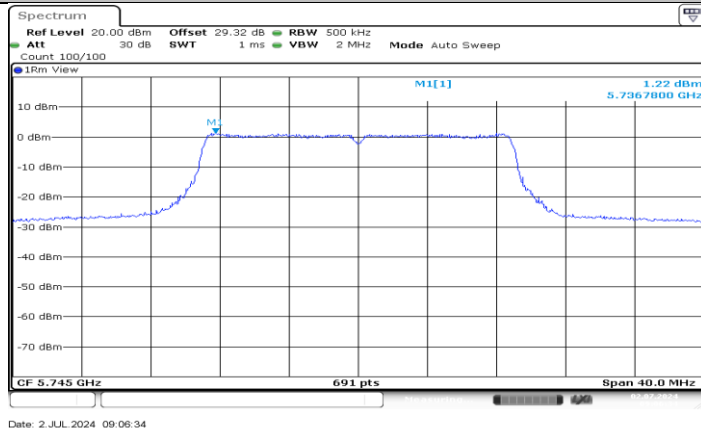
11N20SISO\_Ant1\_5700



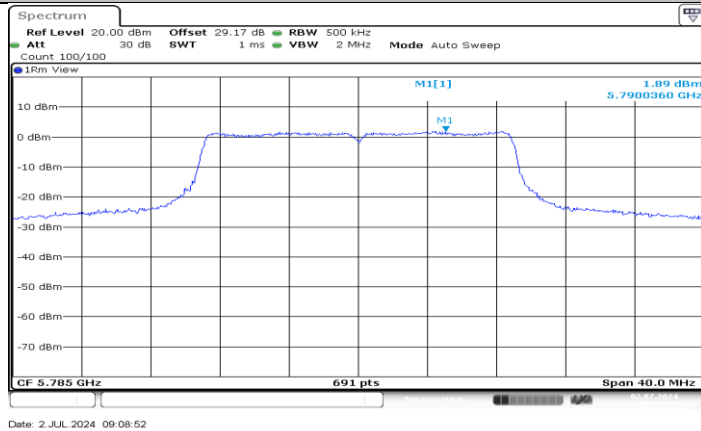
11N20SISO\_Ant1\_5720\_UNII-2C



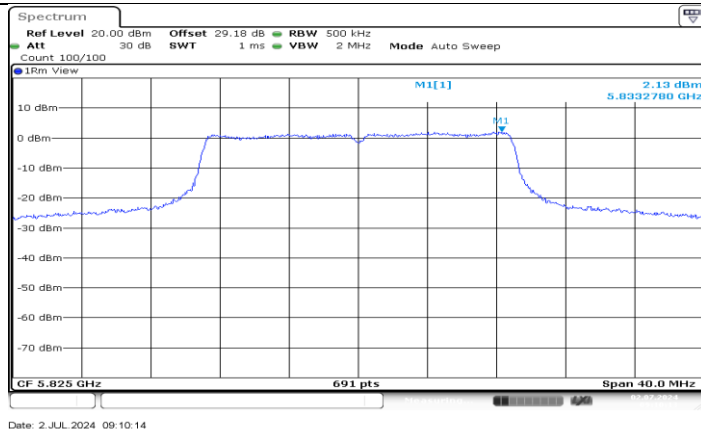
11N20SISO\_Ant1\_5720\_UNII-3



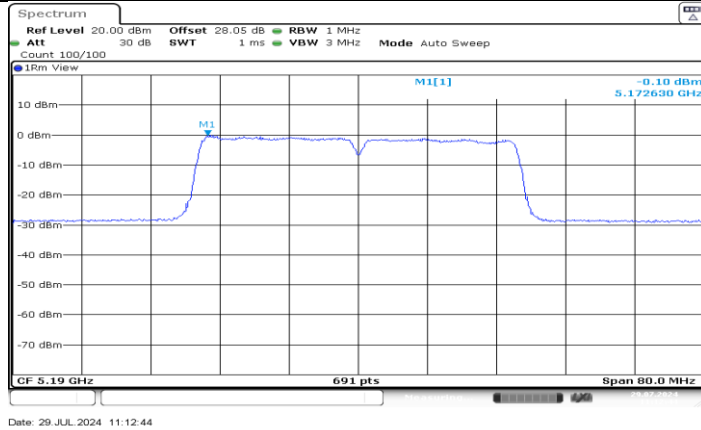
11N20SISO\_Ant1\_5745



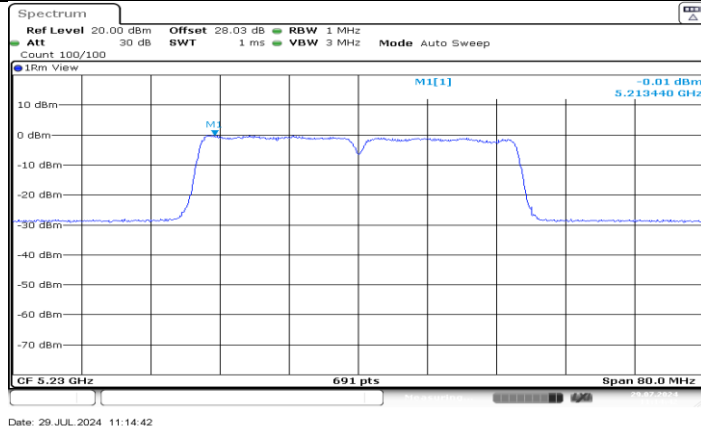
11N20SISO\_Ant1\_5785



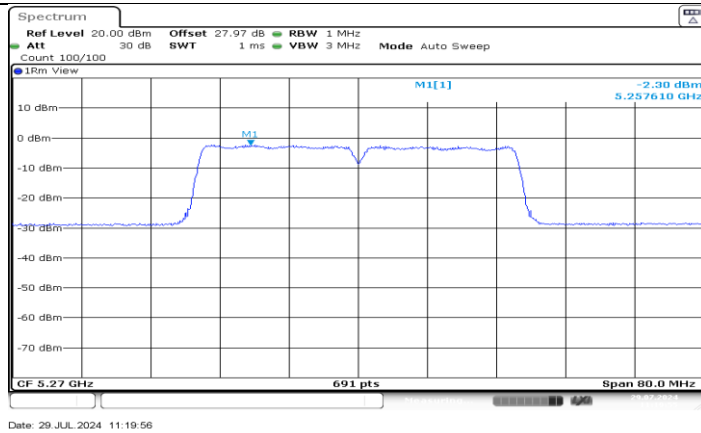
11N20SISO\_Ant1\_5825



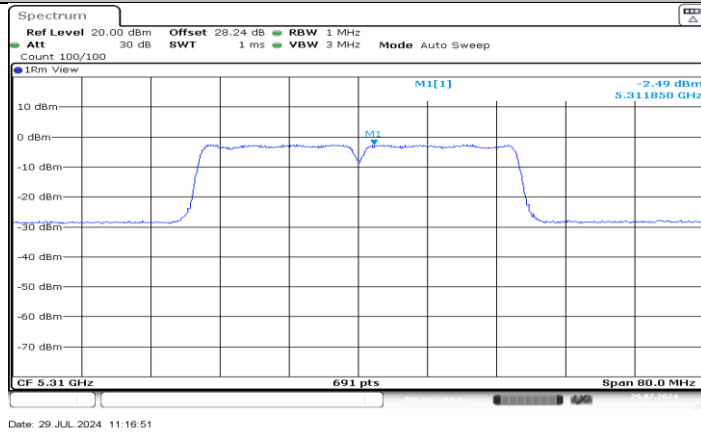
11N40SISO\_Ant1\_5190



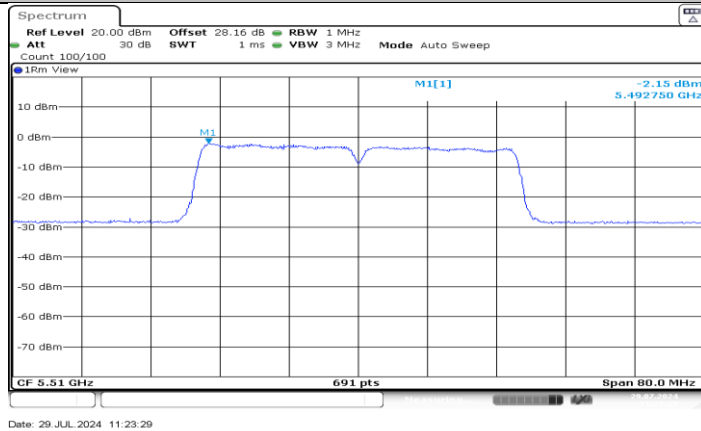
11N40SISO\_Ant1\_5230



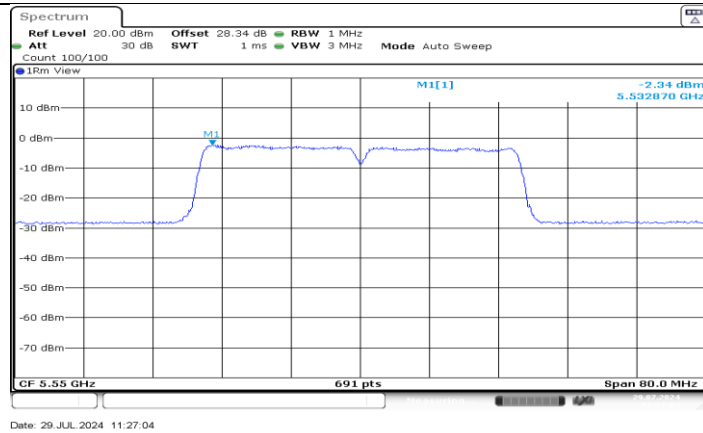
11N40SISO\_Ant1\_5270



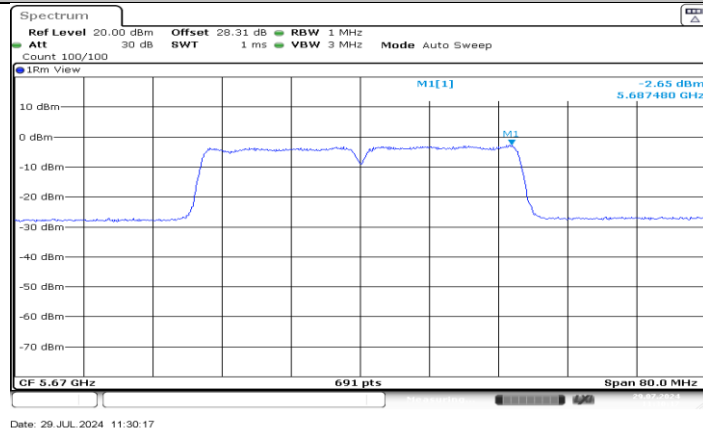
11N40SISO\_Ant1\_5310



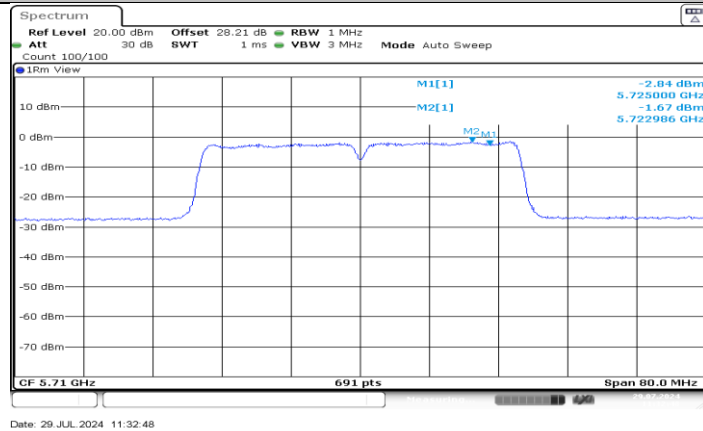
11N40SISO\_Ant1\_5510



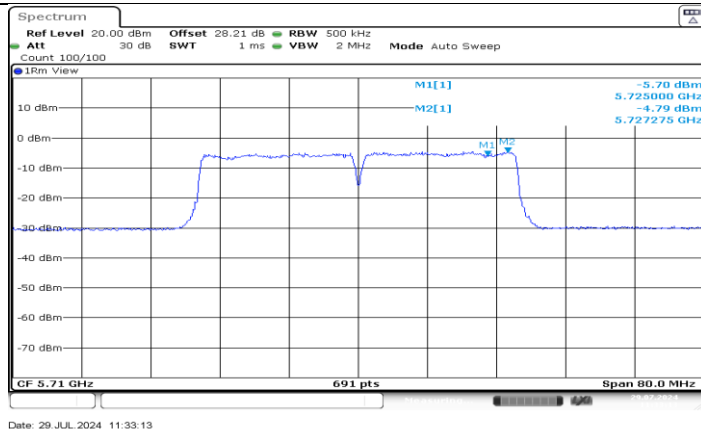
11N40SISO\_Ant1\_5550



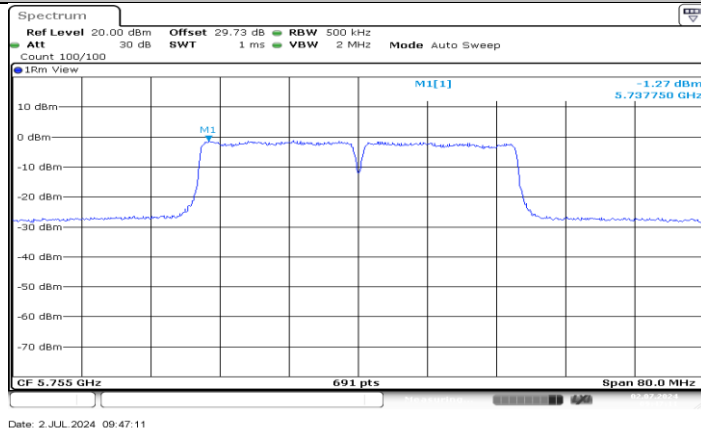
11N40SISO\_Ant1\_5670



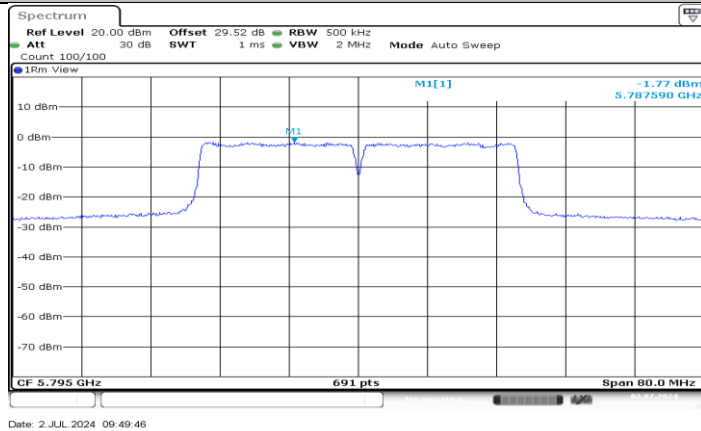
11N40SISO\_Ant1\_5710\_UNII-2C



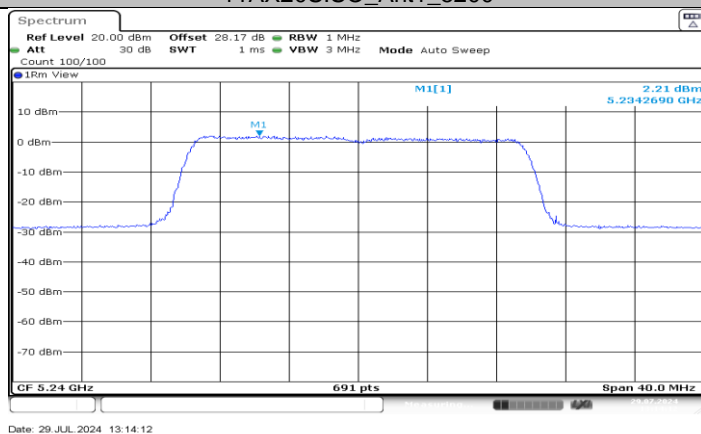
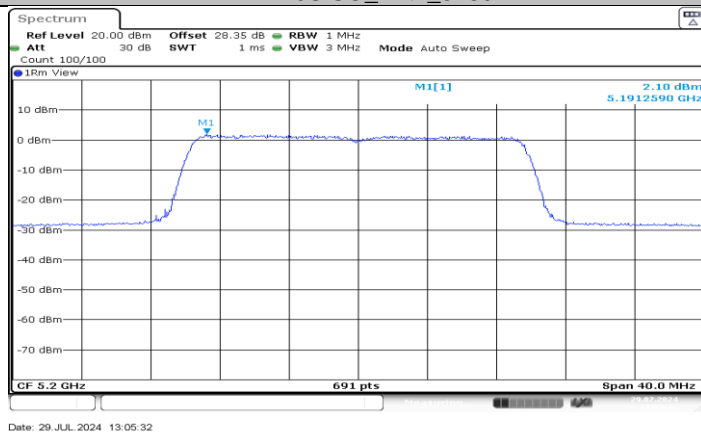
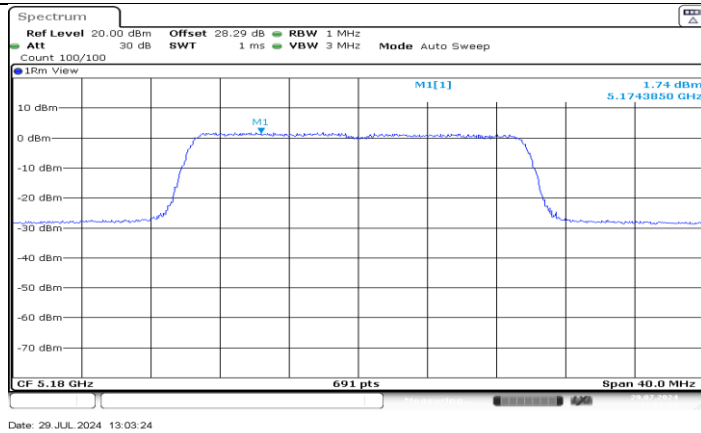
11N40SISO\_Ant1\_5710\_UNII-3



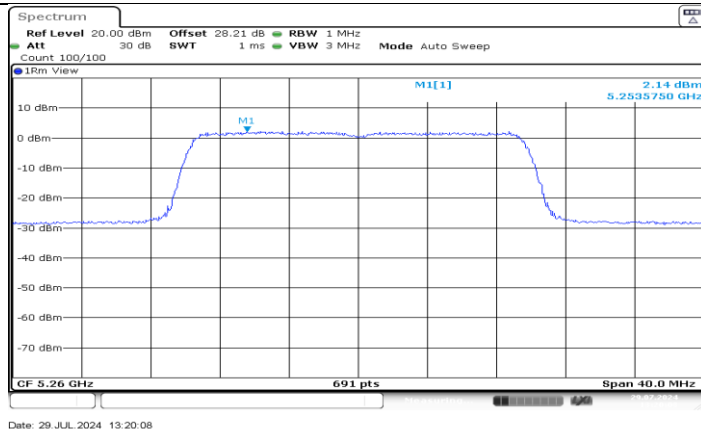
11N40SISO\_Ant1\_5755



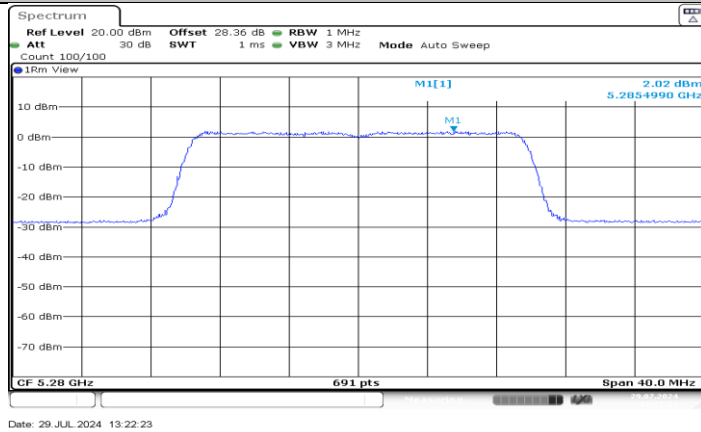
11N40SISO\_Ant1\_5795



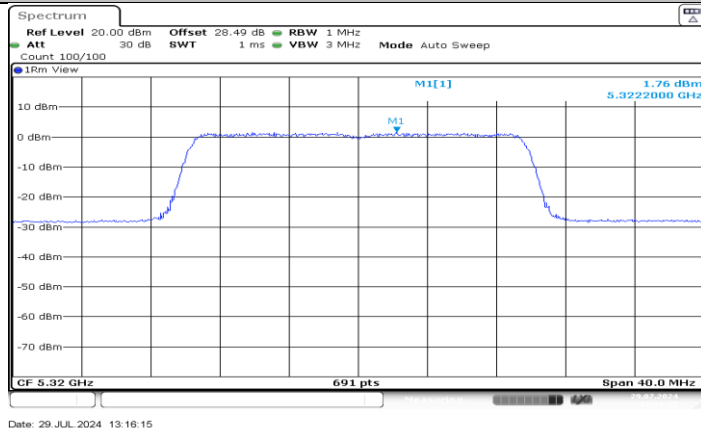




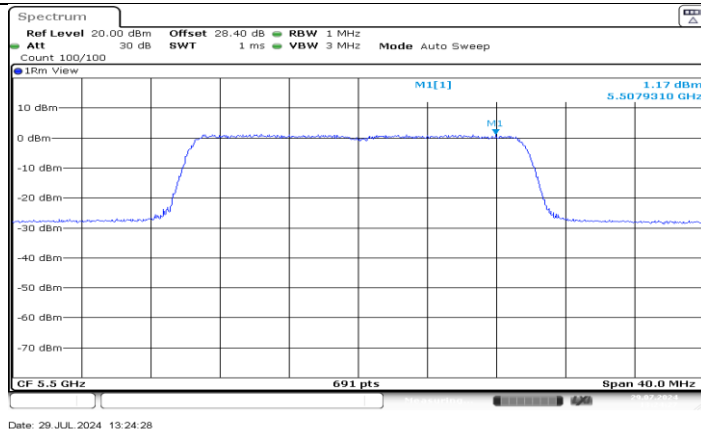
11AX20SISO\_Ant1\_5260



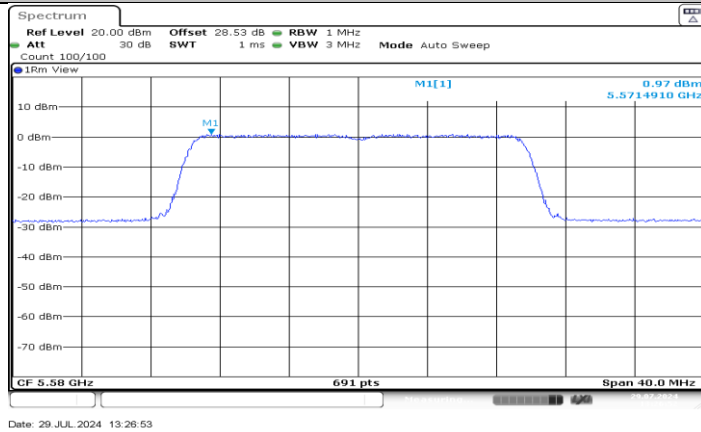
11AX20SISO\_Ant1\_5280



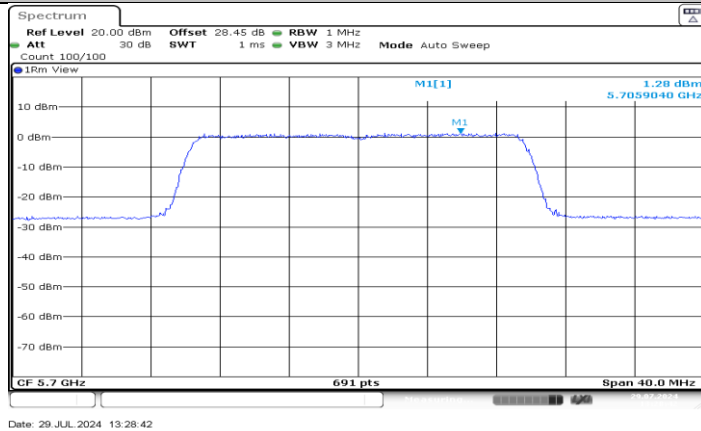
11AX20SISO\_Ant1\_5320



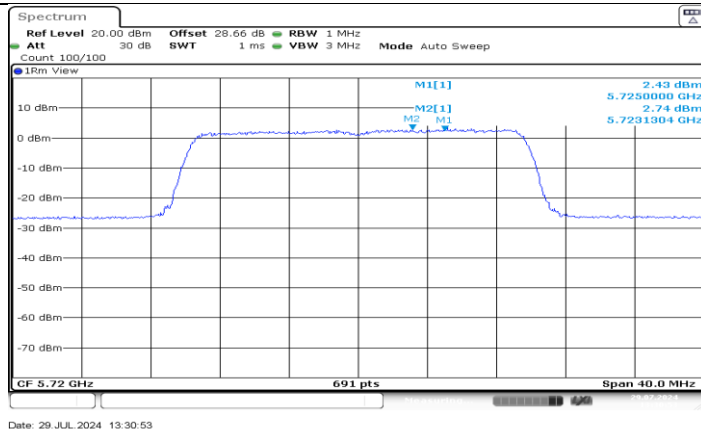
11AX20SISO\_Ant1\_5500



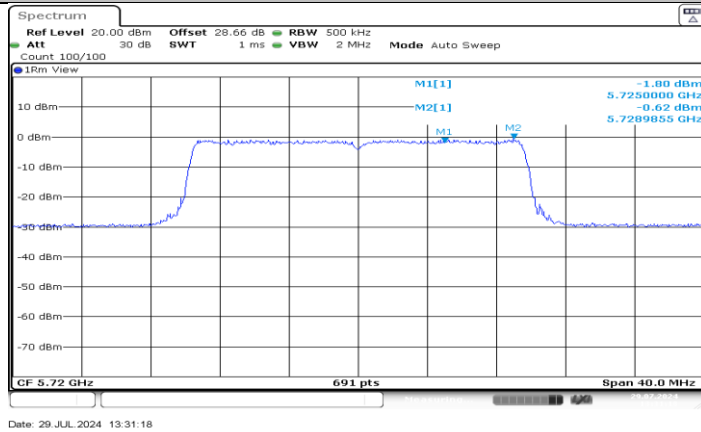
11AX20SISO\_Ant1\_5580



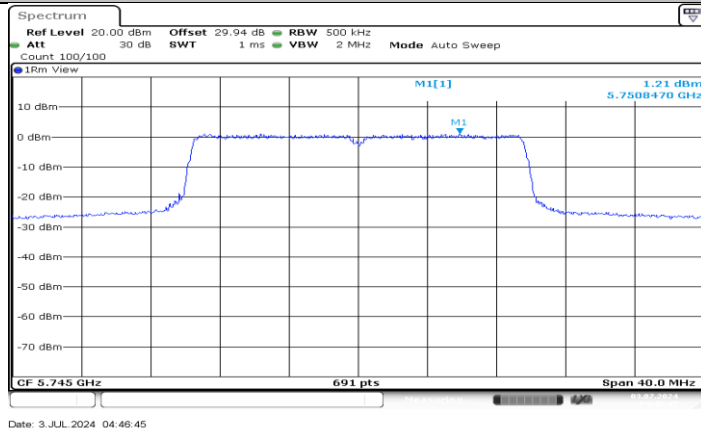
11AX20SISO\_Ant1\_5700



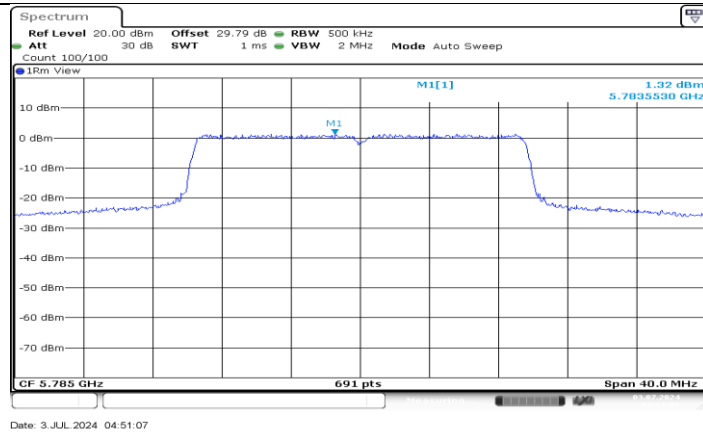
11AX20SISO\_Ant1\_5720\_UNII-2C



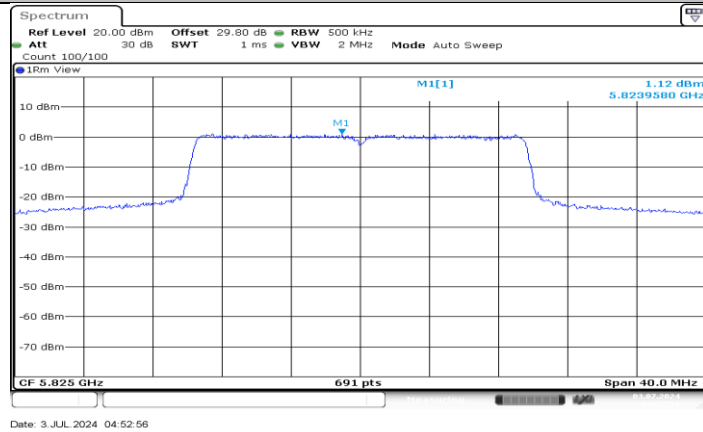
11AX20SISO\_Ant1\_5720\_UNII-3



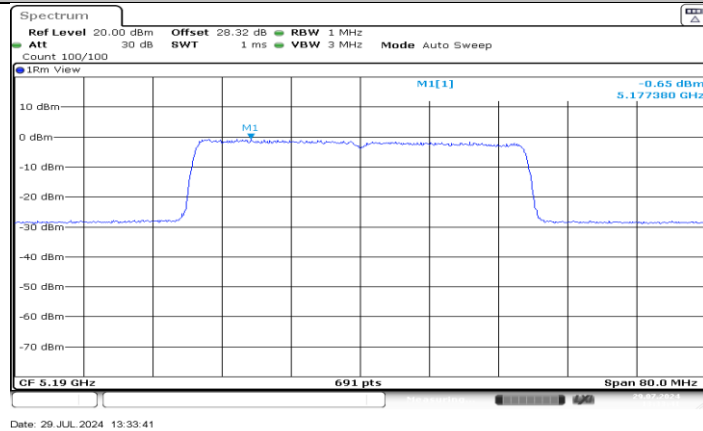
11AX20SISO\_Ant1\_5745



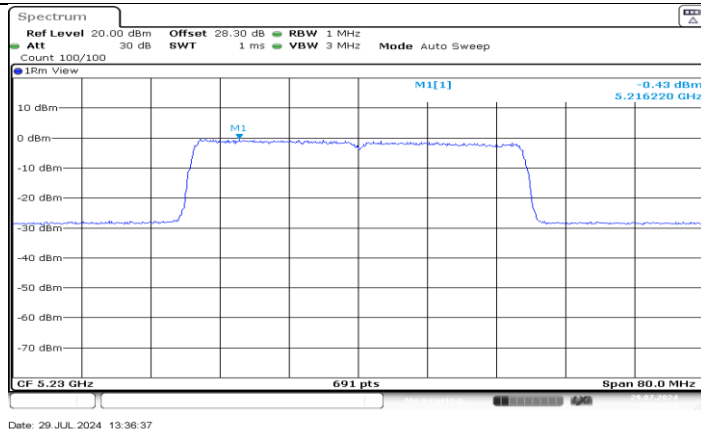
11AX20SISO\_Ant1\_5785



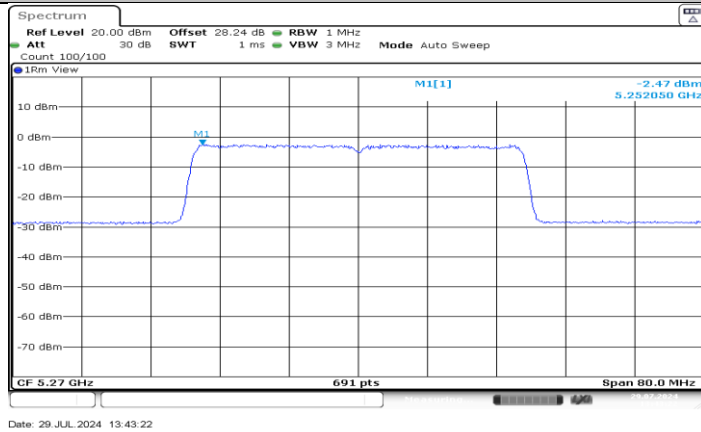
11AX20SISO\_Ant1\_5825



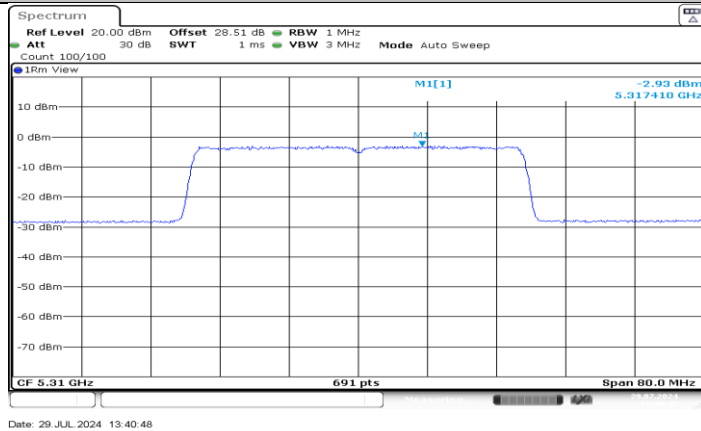
11AX40SISO\_Ant1\_5190



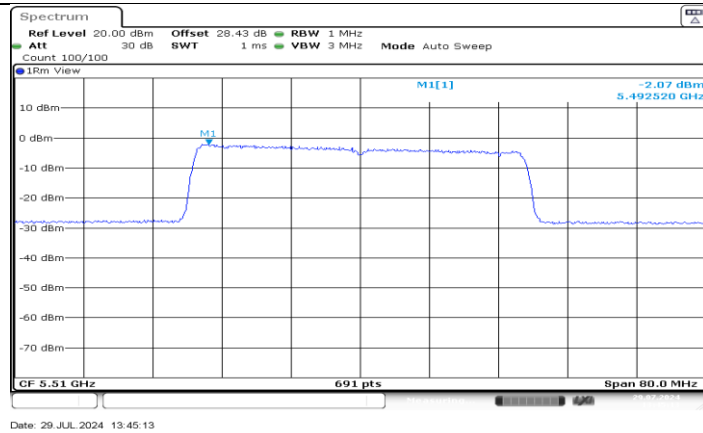
11AX40SISO\_Ant1\_5230



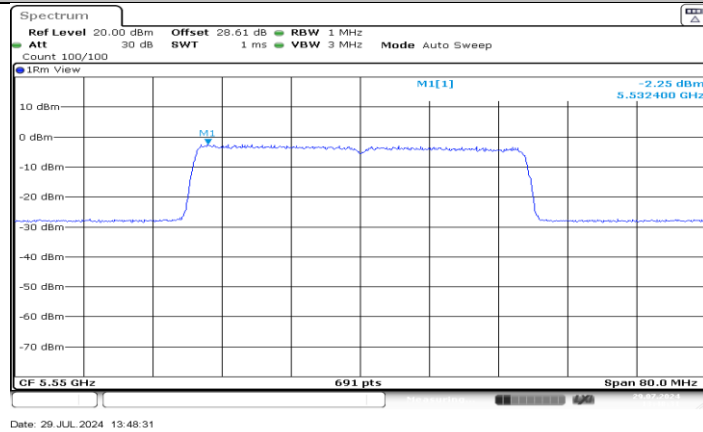
11AX40SISO\_Ant1\_5270



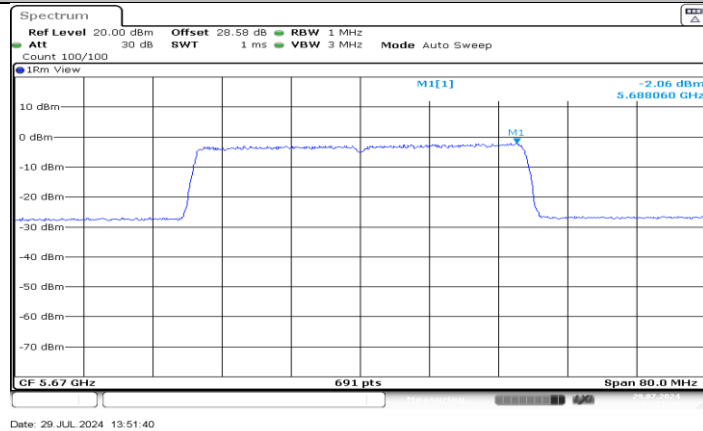
11AX40SISO\_Ant1\_5310



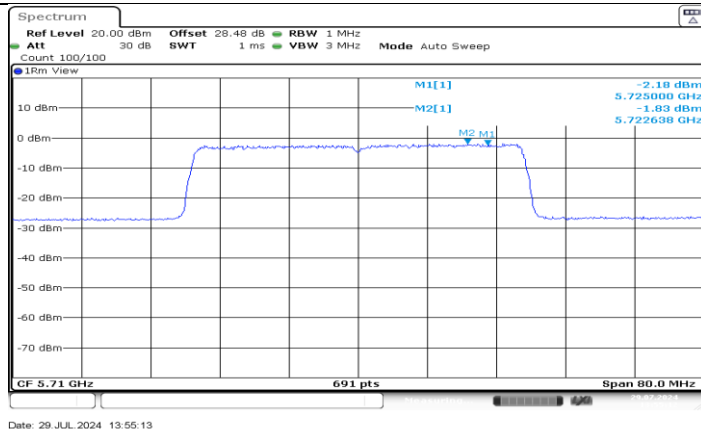
11AX40SISO\_Ant1\_5510



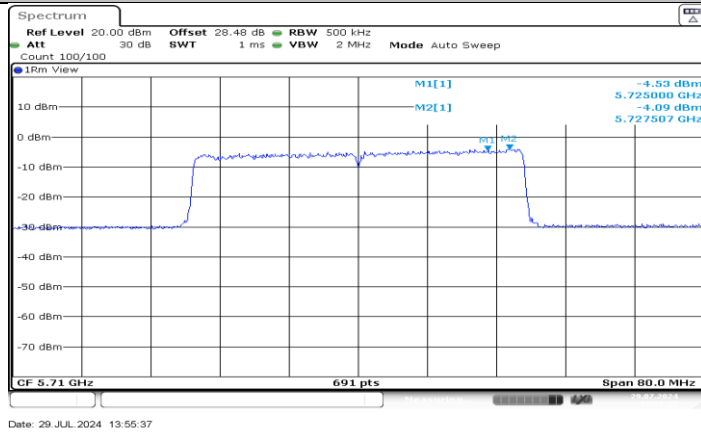
11AX40SISO\_Ant1\_5550



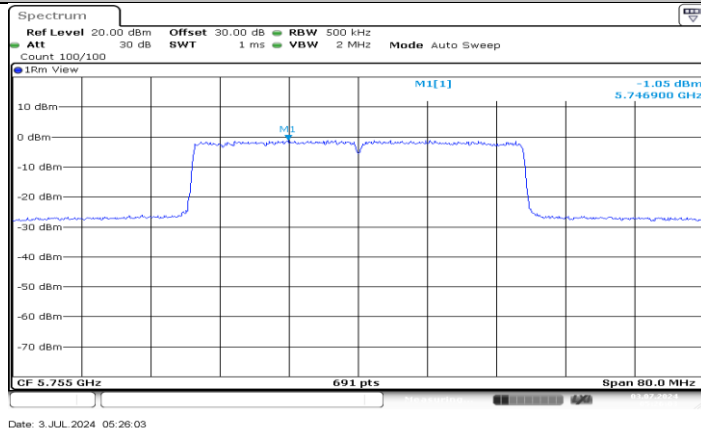
11AX40SISO\_Ant1\_5670



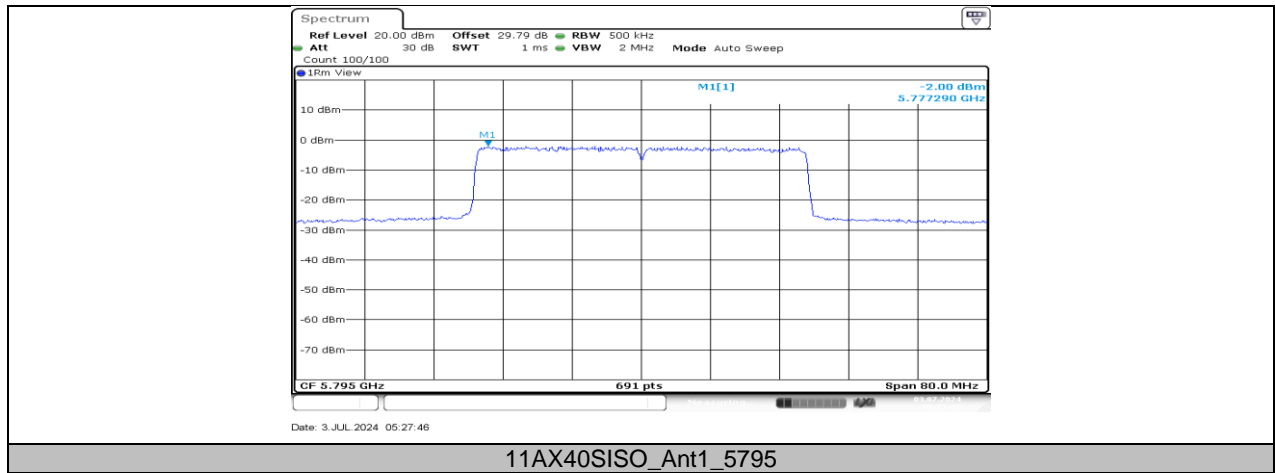
11AX40SISO\_Ant1\_5710\_UNII-2C



11AX40SISO\_Ant1\_5710\_UNII-3



11AX40SISO\_Ant1\_5755





## 11.6. APPENDIX F: FREQUENCY STABILITY

### 11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0181	3.48	5200.0220	4.23	5200.0055	1.06	5200.0095	1.82
TN	VN	5200.0070	1.34	5200.0051	0.98	5199.9797	-3.90	5200.0076	1.47
TN	VH	5199.9953	-0.90	5199.9895	-2.01	5199.9810	-3.65	5199.9972	-0.54
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
50	VN	5200.0225	4.33	5199.9778	-4.28	5200.0235	4.51	5200.0081	1.57
40	VN	5199.9870	-2.51	5199.9886	-2.18	5199.9826	-3.34	5200.0191	3.67
30	VN	5199.9999	-0.02	5199.9923	-1.47	5199.9907	-1.80	5200.0091	1.75
20	VN	5199.9901	-1.90	5199.9790	-4.04	5200.0198	3.80	5200.0045	0.87
10	VN	5200.0060	1.15	5199.9860	-2.70	5199.9993	-0.14	5199.9862	-2.65
0	VN	5199.9808	-3.70	5200.0144	2.78	5200.0004	0.08	5200.0208	4.00
-10	VN	5200.0225	4.33	5199.9778	-4.28	5200.0235	4.51	5200.0081	1.57

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

**11.7. APPENDIX G: DUTY CYCLE****11.7.1. 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	5.48	10.34	0.5300	53.00	2.76	0.18	1
11N20SISO	5.36	10.34	0.5184	51.84	2.85	0.19	1
11N40SISO	3.01	6.34	0.4748	47.48	3.24	0.33	1
11AX20SISO	4.65	10.34	0.4497	44.97	3.47	0.22	1
11AX40SISO	4.63	10.37	0.4465	44.65	3.50	0.22	1

Note:

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

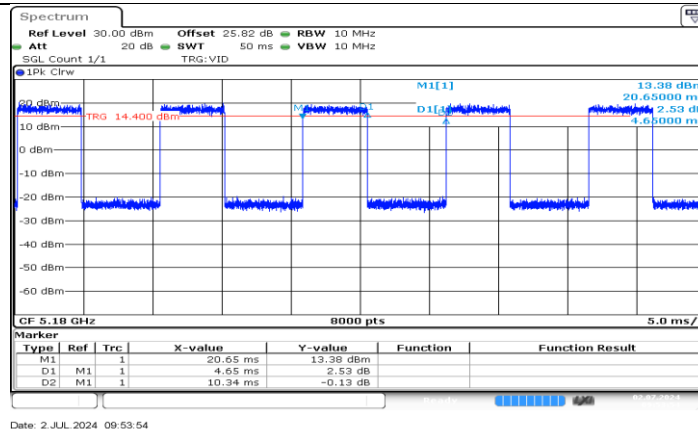
Where: x is Duty Cycle (Linear)

Where: T is On Time

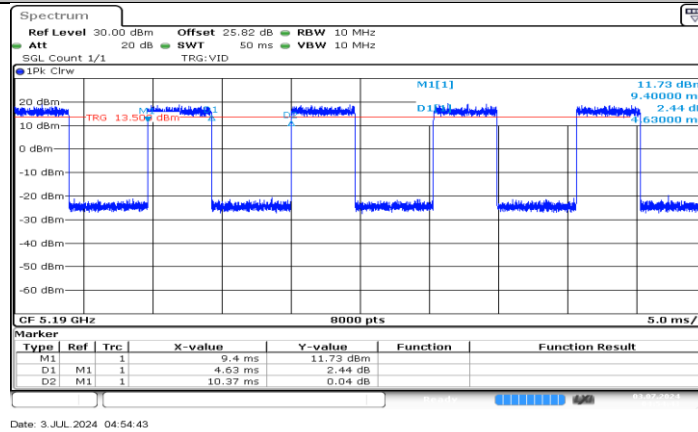
If that calculated VBW is not available on the analyzer then the next higher value should be used.

## 11.7.2. Test Graphs





11AX20SISO\_Ant1\_5180

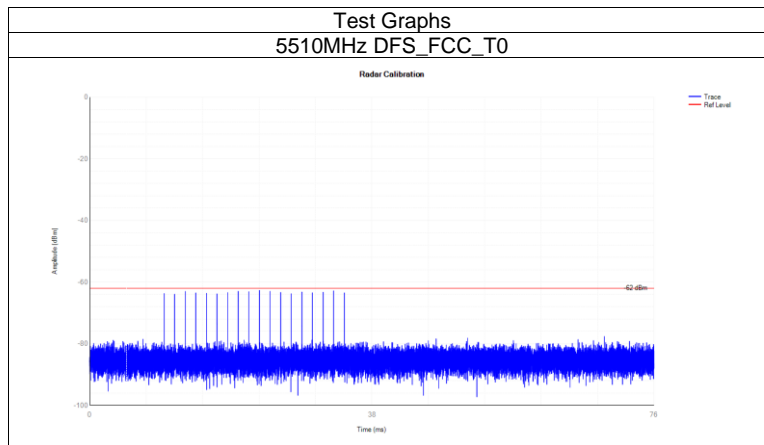


11AX40SISO\_Ant1\_5190

## 11.8. APPENDIX H: DFS

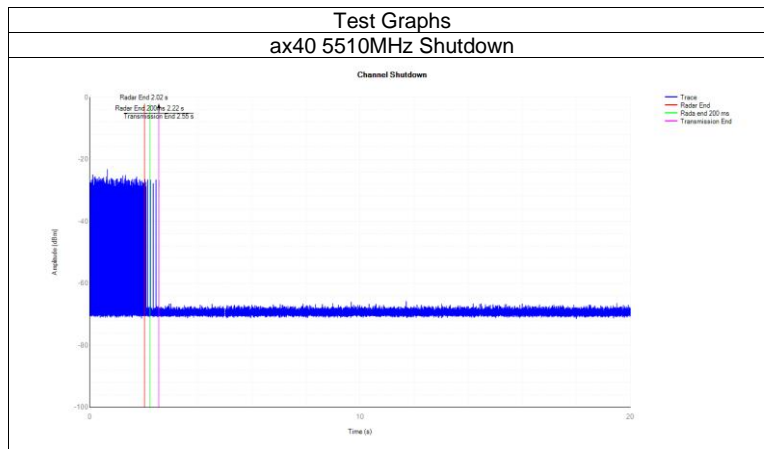
### 11.8.1. Calibration

Mode	Frequency (MHz)	Type	Result	Verdict
ax40	5510	DFS_FCC_T0	See test Graph	Pass



### 11.8.2. Shutdown Time

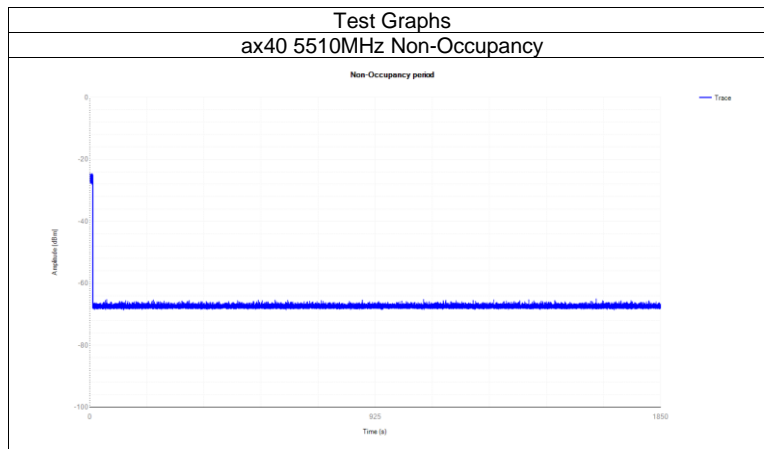
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ax40	5510	0.53	10	0.019	0.26	0.005	0.06	Pass





### 11.8.3. Non-Occupancy

Mode	Frequency (MHz)	Result	Verdict
ax40	5510	See test Graph	Pass



**END OF REPORT**