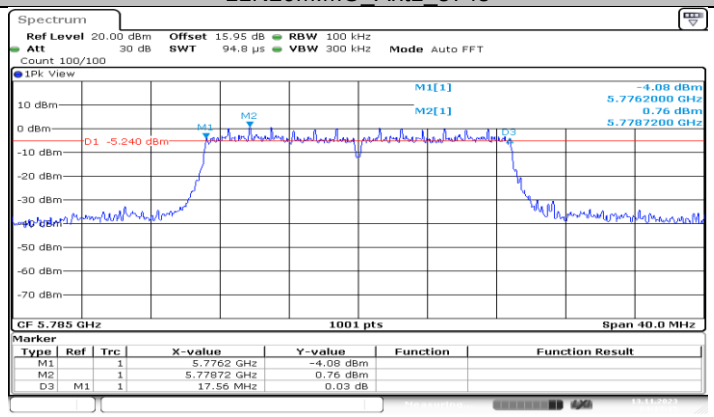
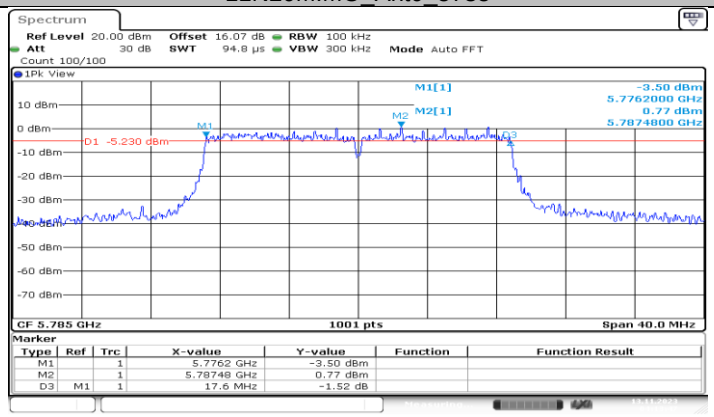
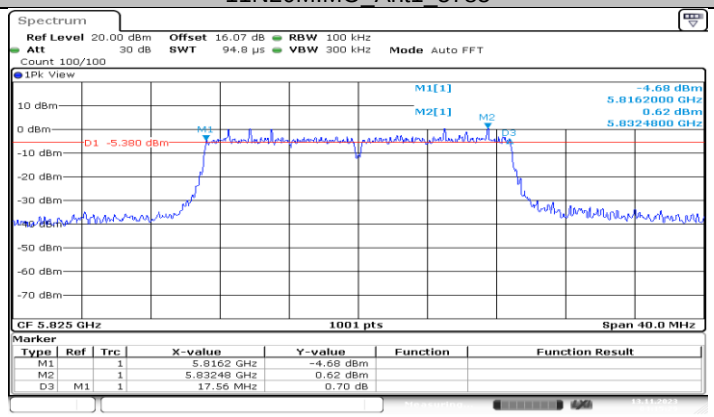
11N20MIMO_Ant1_5745



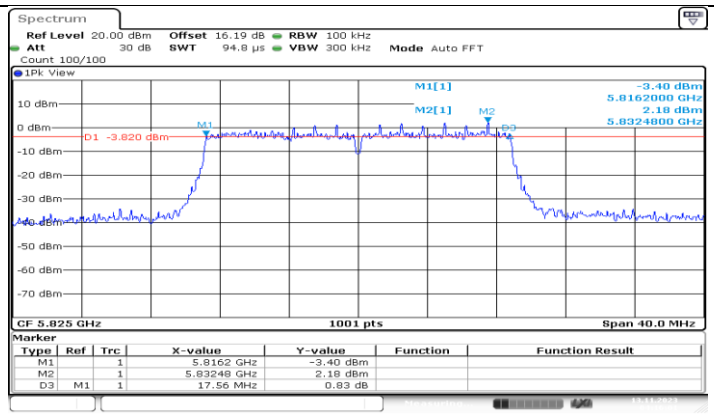
11N20MIMO_Ant0_5785



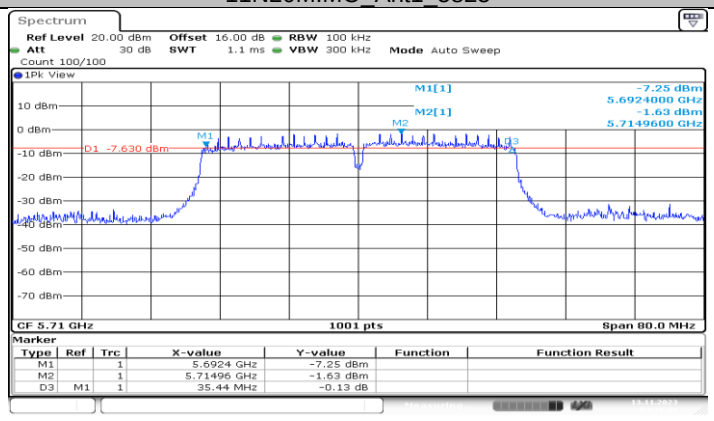
11N20MIMO_Ant1_5785



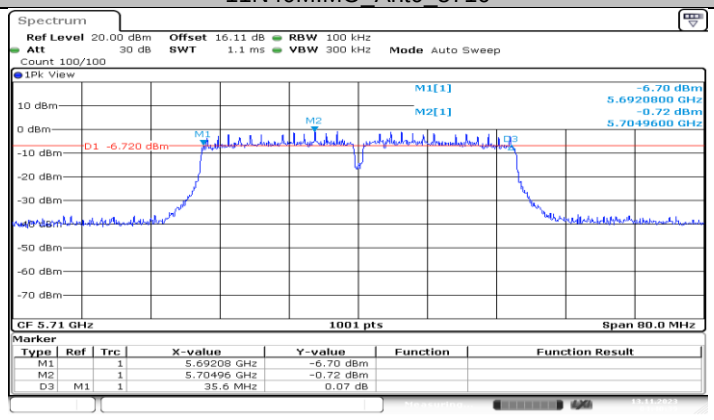
11N20MIMO_Ant0_5825



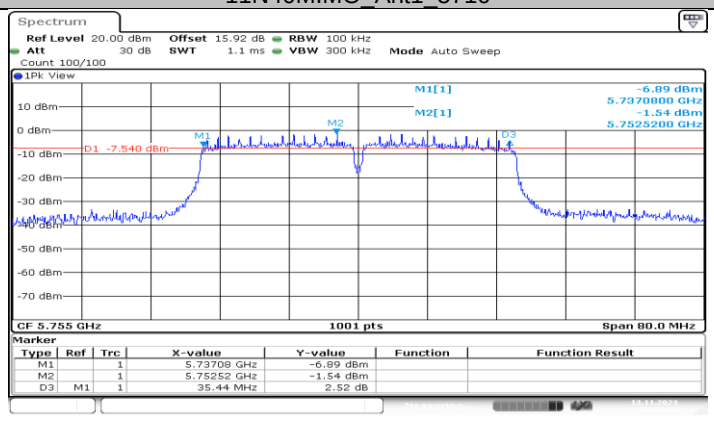
11N20MIMO_Ant1_5825



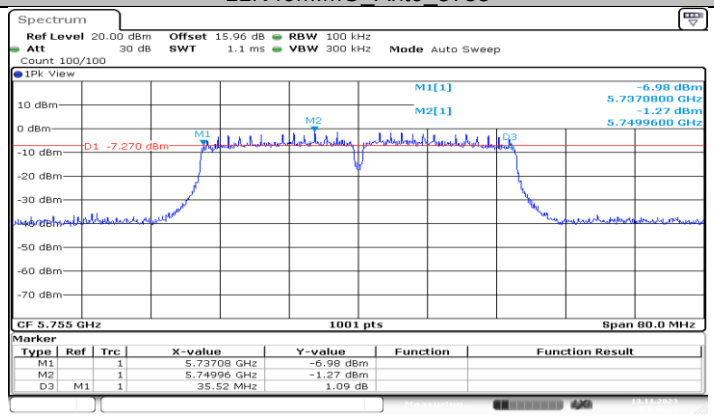
11N40MIMO_Ant0_5710



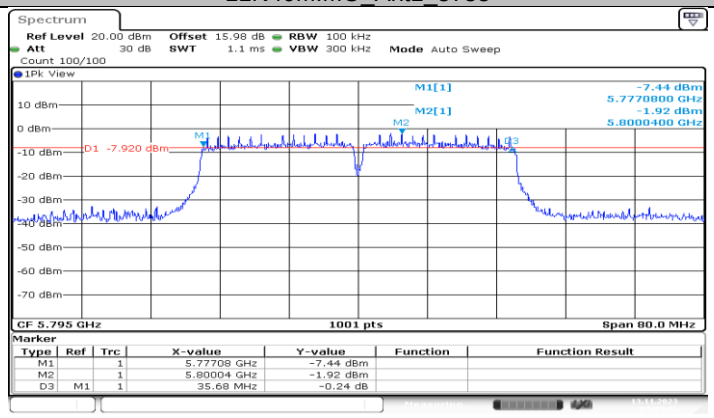
11N40MIMO_Ant1_5710



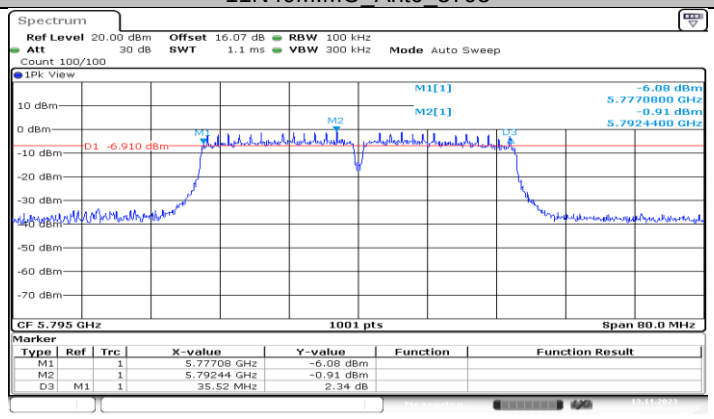
11N40MIMO_Ant0_5755



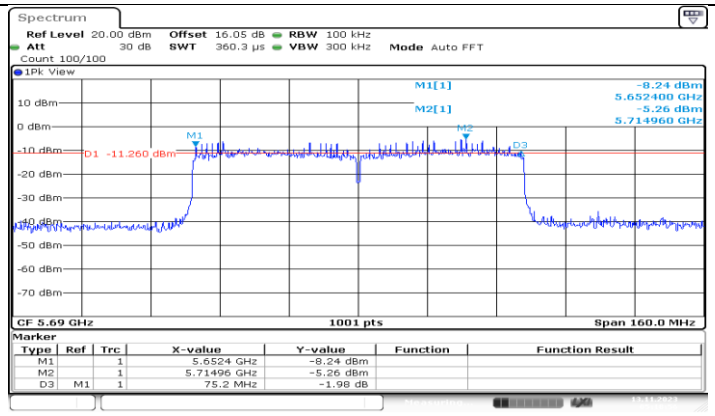
11N40MIMO_Ant1_5755



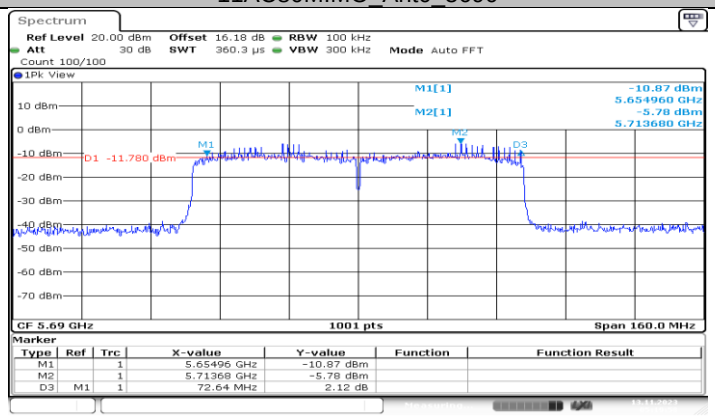
11N40MIMO_Ant0_5795



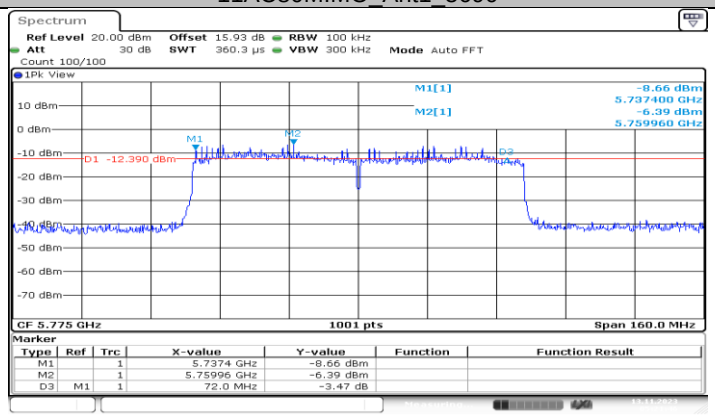
11N40MIMO_Ant1_5795



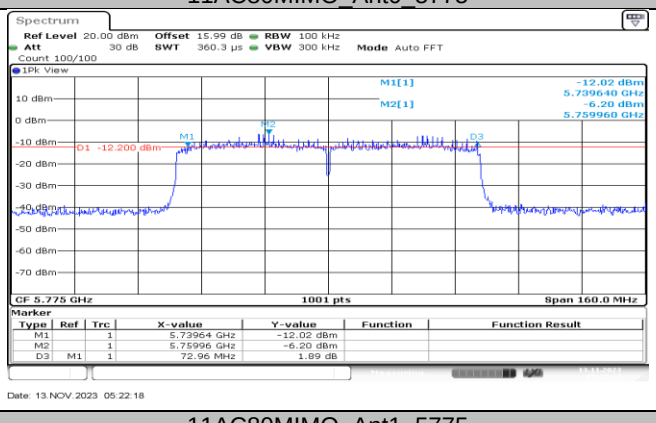
11AC80MIMO_Ant0_5690



11AC80MIMO_Ant1_5690



11AC80MIMO_Ant0_5775



11AC80MIMO_Ant1_5775

11.3.3. Appendix D: Maximum conducted output power

11.3.4. Test Result

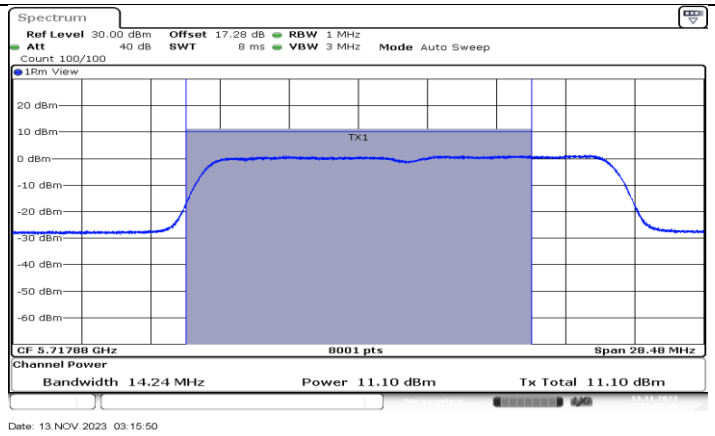
Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant0	5180	14.07	≤23.98	---	15.57	≤20.72	PASS
	Ant1	5180	13.79	≤23.98	---	17.32	≤18.70	PASS
	Ant0	5200	14.32	≤23.98	---	15.82	≤20.73	PASS
	Ant1	5200	13.29	≤23.98	---	16.82	≤18.70	PASS
	Ant0	5240	13.66	≤23.98	---	15.16	≤20.72	PASS
	Ant1	5240	13.31	≤23.98	---	16.84	≤18.70	PASS
	Ant0	5260	13.88	≤23.98	≤23.24	15.38	≤23.24	PASS
	Ant1	5260	14.21	≤23.98	≤23.22	17.74	≤23.22	PASS
	Ant0	5280	14.80	≤23.98	≤23.23	16.30	≤23.23	PASS
	Ant1	5280	13.46	≤23.98	≤23.22	16.99	≤23.22	PASS
	Ant0	5320	13.27	≤23.98	≤23.22	14.77	≤23.22	PASS
	Ant1	5320	13.64	≤23.98	≤23.23	17.17	≤23.23	PASS
	Ant0	5500	14.07	≤23.98	≤23.23	15.57	≤23.23	PASS
	Ant1	5500	14.50	≤23.98	≤23.23	18.03	≤23.23	PASS
	Ant0	5580	14.56	≤23.98	≤23.24	16.06	≤23.24	PASS
	Ant1	5580	13.53	≤23.98	≤23.24	17.06	≤23.24	PASS
	Ant0	5700	13.73	≤23.98	≤23.23	15.23	≤23.23	PASS
	Ant1	5700	14.88	≤23.98	≤23.23	18.41	≤23.23	PASS
	Ant0	5720_UNII-2C	11.10	≤22.54	≤22.24	12.60	≤22.24	PASS
	Ant1	5720_UNII-2C	11.96	≤22.61	≤22.24	15.49	≤22.24	PASS
	Ant0	5720_UNII-3	4.12	≤30.00	≤30.00	5.62	---	PASS
	Ant1	5720_UNII-3	4.99	≤30.00	≤30.00	8.52	---	PASS
	Ant0	5745	13.98	≤30.00	≤30.00	15.48	---	PASS
	Ant1	5745	14.59	≤30.00	≤30.00	18.12	---	PASS
	Ant0	5785	13.56	≤30.00	≤30.00	15.06	---	PASS
	Ant1	5785	14.45	≤30.00	≤30.00	17.98	---	PASS
	Ant0	5825	13.37	≤30.00	≤30.00	14.87	---	PASS
	Ant1	5825	13.73	≤30.00	≤30.00	17.26	---	PASS
11N20MIMO	Ant0	5180	12.50	≤23.98	---	16.03	≤21.00	PASS
	Ant1	5180	13.50	≤23.98	---	17.03	≤18.98	PASS
	total	5180	16.04	≤23.98	---	19.57	≤18.97	PASS
	Ant0	5200	12.28	≤23.98	---	15.81	≤21.01	PASS
	Ant1	5200	12.96	≤23.98	---	16.49	≤18.97	PASS
	total	5200	15.64	≤23.98	---	19.17	≤18.97	PASS
	Ant0	5240	12.29	≤23.98	---	15.82	≤21.00	PASS
	Ant1	5240	12.94	≤23.98	---	16.47	≤18.97	PASS
	total	5240	15.64	≤23.98	---	19.17	≤18.97	PASS
	Ant0	5260	13.81	≤23.98	≤23.50	17.34	≤23.50	PASS
	Ant1	5260	14.47	≤23.98	≤23.46	18.00	≤23.46	PASS
	total	5260	17.16	≤23.98	≤23.46	20.69	≤23.46	PASS
	Ant0	5280	14.47	≤23.98	≤23.51	18.00	≤23.51	PASS
	Ant1	5280	15.04	≤23.98	≤23.46	18.57	≤23.46	PASS
	total	5280	17.77	≤23.98	≤23.46	21.30	≤23.46	PASS
	Ant0	5320	13.62	≤23.98	≤23.51	17.15	≤23.51	PASS
	Ant1	5320	13.26	≤23.98	≤23.46	16.79	≤23.46	PASS
	total	5320	16.45	≤23.98	≤23.46	19.98	≤23.46	PASS
	Ant0	5500	14.26	≤23.98	≤23.51	17.79	≤23.51	PASS
	Ant1	5500	13.87	≤23.98	≤23.46	17.40	≤23.46	PASS
	total	5500	17.08	≤23.98	≤23.46	20.61	≤23.46	PASS
	Ant0	5580	14.71	≤23.98	≤23.54	18.24	≤23.54	PASS
	Ant1	5580	13.94	≤23.98	≤23.46	17.47	≤23.46	PASS
	total	5580	17.35	≤23.98	≤23.46	20.88	≤23.46	PASS
	Ant0	5700	14.33	≤23.98	≤23.52	17.86	≤23.52	PASS
	Ant1	5700	15.29	≤23.98	≤23.46	18.82	≤23.46	PASS
	total	5700	17.85	≤23.98	≤23.46	21.38	≤23.46	PASS
	Ant0	5720_UNII-2C	11.27	≤22.68	≤22.43	14.80	≤22.43	PASS
	Ant1	5720_UNII-2C	12.11	≤22.70	≤22.43	15.64	≤22.43	PASS

	total	5720_UNII-2C	14.72	≤23.98	≤22.43	18.25	≤22.43	PASS
	Ant0	5720_UNII-3	4.83	≤30.00	≤30.00	8.36	---	PASS
	Ant1	5720_UNII-3	5.38	≤30.00	≤30.00	8.91	---	PASS
	total	5720_UNII-3	8.12	≤30.00	≤30.00	11.65	---	PASS
	Ant0	5745	14.78	≤30.00	≤30.00	18.31	---	PASS
	Ant1	5745	14.49	≤30.00	≤30.00	18.02	---	PASS
	total	5745	17.65	≤30.00	≤30.00	21.18	---	PASS
	Ant0	5785	14.06	≤30.00	≤30.00	17.59	---	PASS
	Ant1	5785	14.79	≤30.00	≤30.00	18.32	---	PASS
	total	5785	17.45	≤30.00	≤30.00	20.98	---	PASS
	Ant0	5825	13.90	≤30.00	≤30.00	17.43	---	PASS
	Ant1	5825	14.42	≤30.00	≤30.00	17.95	---	PASS
	total	5825	17.18	≤30.00	≤30.00	20.71	---	PASS
11N40MIMO	Ant0	5190	14.30	≤23.98	---	17.83	≤23.00	PASS
	Ant1	5190	14.44	≤23.98	---	17.97	≤23.00	PASS
	total	5190	17.38	≤23.98	---	20.91	≤23.00	PASS
	Ant0	5230	13.20	≤23.98	---	16.73	≤23.00	PASS
	Ant1	5230	13.31	≤23.98	---	16.84	≤23.00	PASS
	total	5230	16.27	≤23.98	---	19.80	≤23.00	PASS
	Ant0	5270	11.86	≤23.98	≤23.98	15.39	≤30.00	PASS
	Ant1	5270	12.28	≤23.98	≤23.98	15.81	≤30.00	PASS
	total	5270	15.09	≤23.98	≤23.98	18.62	≤30.00	PASS
	Ant0	5310	12.24	≤23.98	≤23.98	15.77	≤30.00	PASS
	Ant1	5310	11.67	≤23.98	≤23.98	15.20	≤30.00	PASS
	total	5310	14.97	≤23.98	≤23.98	18.50	≤30.00	PASS
	Ant0	5510	11.26	≤23.98	≤23.98	14.79	≤30.00	PASS
	Ant1	5510	12.16	≤23.98	≤23.98	15.69	≤30.00	PASS
	total	5510	14.74	≤23.98	≤23.98	18.27	≤30.00	PASS
	Ant0	5550	12.13	≤23.98	≤23.98	15.66	≤30.00	PASS
	Ant1	5550	12.84	≤23.98	≤23.98	16.37	≤30.00	PASS
	total	5550	15.51	≤23.98	≤23.98	19.04	≤30.00	PASS
	Ant0	5670	12.13	≤23.98	≤23.98	15.66	≤30.00	PASS
	Ant1	5670	13.23	≤23.98	≤23.98	16.76	≤30.00	PASS
	total	5670	15.73	≤23.98	≤23.98	19.26	≤30.00	PASS
	Ant0	5710_UNII-2C	9.77	≤23.98	≤23.98	13.30	≤30.00	PASS
	Ant1	5710_UNII-2C	11.73	≤23.98	≤23.98	15.26	≤30.00	PASS
	total	5710_UNII-2C	13.87	≤23.98	≤23.98	17.40	≤30.00	PASS
	Ant0	5710_UNII-3	-3.44	≤30.00	≤30.00	0.09	---	PASS
	Ant1	5710_UNII-3	-2.13	≤30.00	≤30.00	1.40	---	PASS
	total	5710_UNII-3	0.27	≤30.00	≤30.00	3.80	---	PASS
	Ant0	5755	14.53	≤30.00	≤30.00	18.06	---	PASS
	Ant1	5755	14.73	≤30.00	≤30.00	18.26	---	PASS
	total	5755	17.64	≤30.00	≤30.00	21.17	---	PASS
	Ant0	5795	13.71	≤30.00	≤30.00	17.24	---	PASS
	Ant1	5795	14.86	≤30.00	≤30.00	18.39	---	PASS
	total	5795	17.33	≤30.00	≤30.00	20.86	---	PASS
11AC80MIMO	Ant0	5210	13.35	≤23.98	---	16.88	≤23.00	PASS
	Ant1	5210	13.84	≤23.98	---	17.37	≤23.00	PASS
	total	5210	16.61	≤23.98	---	20.14	≤23.00	PASS
	Ant0	5290	12.85	≤23.98	≤23.98	16.38	≤30.00	PASS
	Ant1	5290	13.45	≤23.98	≤23.98	16.98	≤30.00	PASS
	total	5290	16.17	≤23.98	≤23.98	19.70	≤30.00	PASS
	Ant0	5530	10.09	≤23.98	≤23.98	13.62	≤30.00	PASS
	Ant1	5530	9.38	≤23.98	≤23.98	12.91	≤30.00	PASS
	total	5530	12.76	≤23.98	≤23.98	16.29	≤30.00	PASS
	Ant0	5610	10.46	≤23.98	≤23.98	13.99	≤30.00	PASS
	Ant1	5610	11.02	≤23.98	≤23.98	14.55	≤30.00	PASS
	total	5610	13.76	≤23.98	≤23.98	17.29	≤30.00	PASS
	Ant0	5690_UNII-2C	9.29	≤23.98	≤23.98	12.82	≤30.00	PASS
	Ant1	5690_UNII-2C	9.22	≤23.98	≤23.98	12.75	≤30.00	PASS
	total	5690_UNII-2C	12.27	≤23.98	≤23.98	15.80	≤30.00	PASS
	Ant0	5690_UNII-3	-9.57	≤30.00	≤30.00	-6.04	---	PASS
	Ant1	5690_UNII-3	-9.87	≤30.00	≤30.00	-6.34	---	PASS
	total	5690_UNII-3	-6.71	≤30.00	≤30.00	-3.18	---	PASS

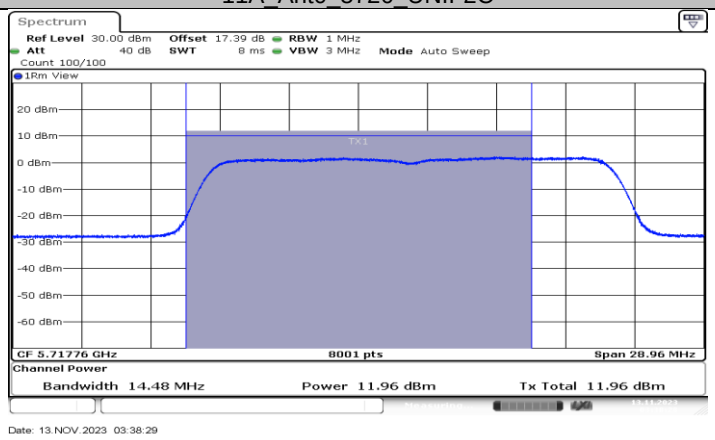
	Ant0	5775	12.88	≤30.00	≤30.00	16.41	---	PASS
	Ant1	5775	12.82	≤30.00	≤30.00	16.35	---	PASS
	total	5775	15.86	≤30.00	≤30.00	19.39	---	PASS

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

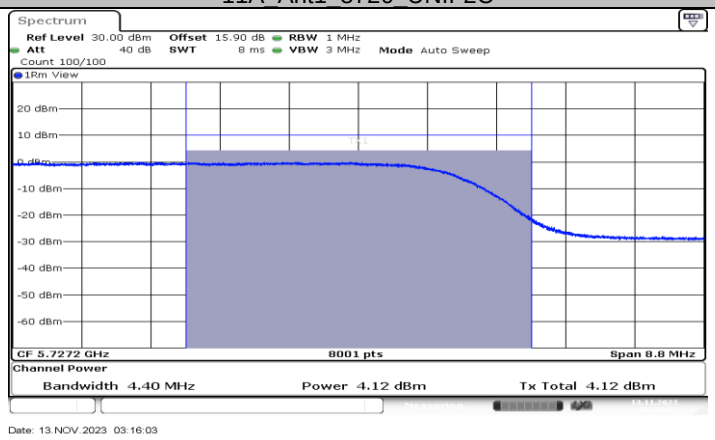
11.3.5. Test Graphs



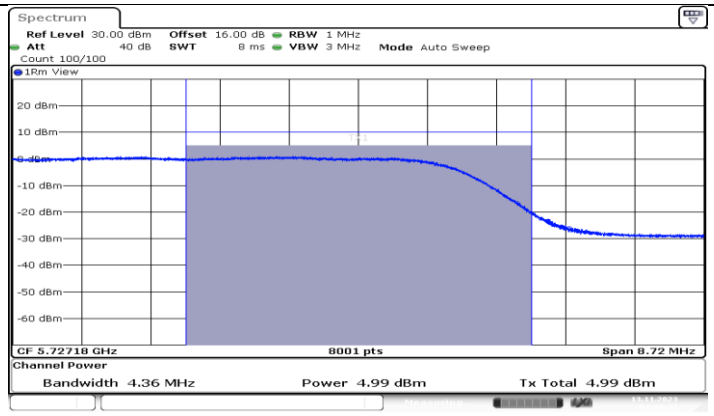
11A_Ant0_5720_UNII-2C



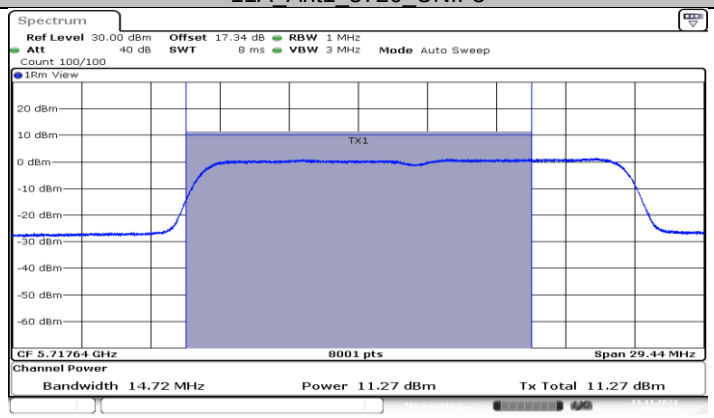
11A_Ant1_5720_UNII-2C



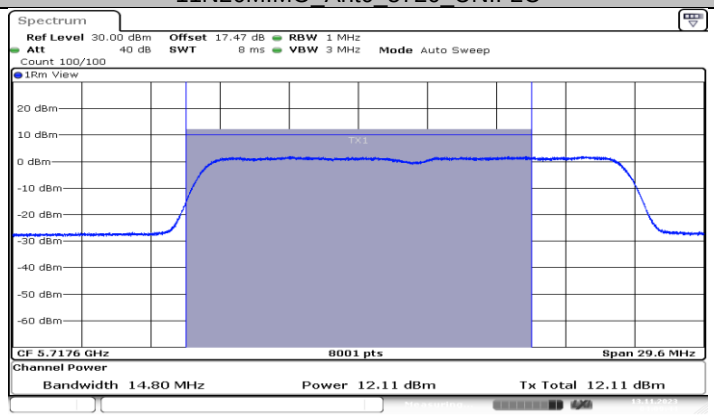
11A_Ant0_5720_UNII-3



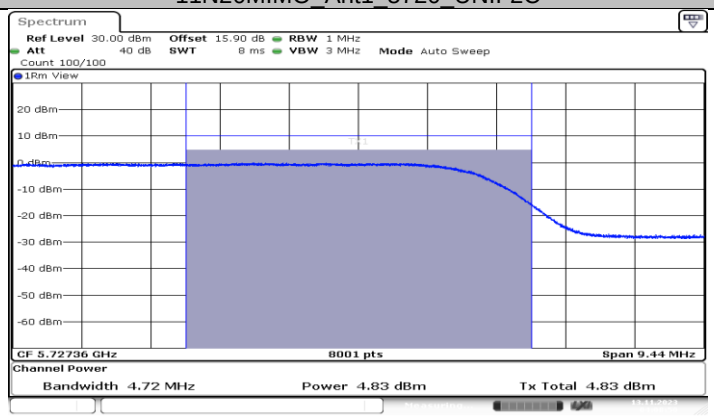
11A_Ant1_5720_UNII-3



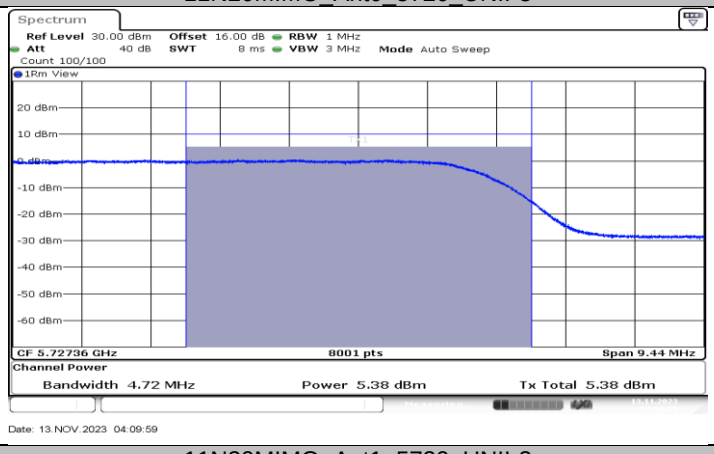
11N20MIMO_Ant0_5720_UNII-2C



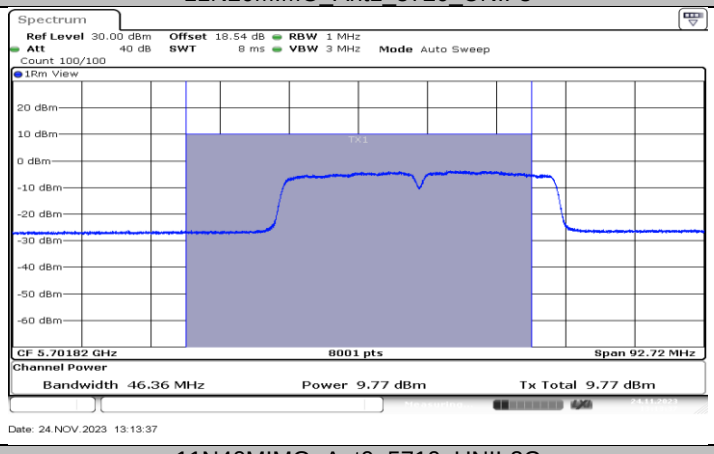
11N20MIMO_Ant1_5720_UNII-2C



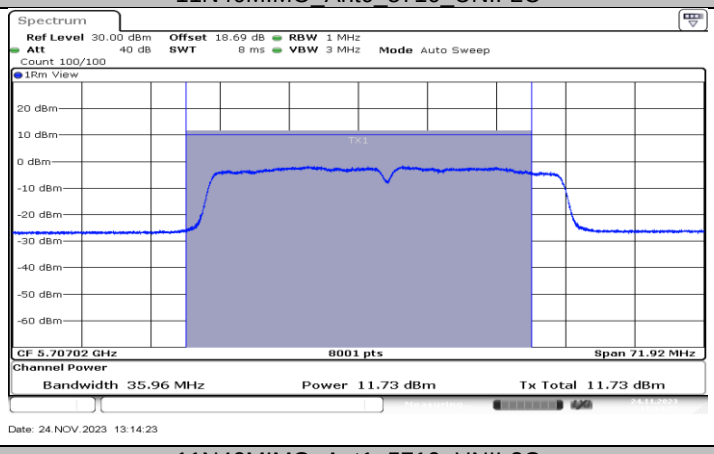
11N20MIMO_Ant0_5720_UNII-3



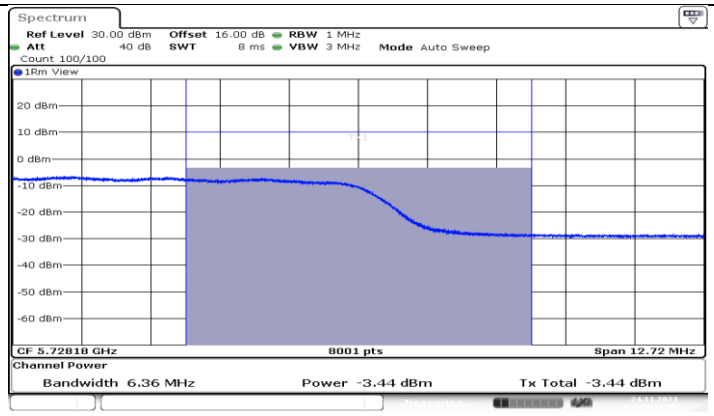
11N20MIMO_Ant1_5720_UNII-3



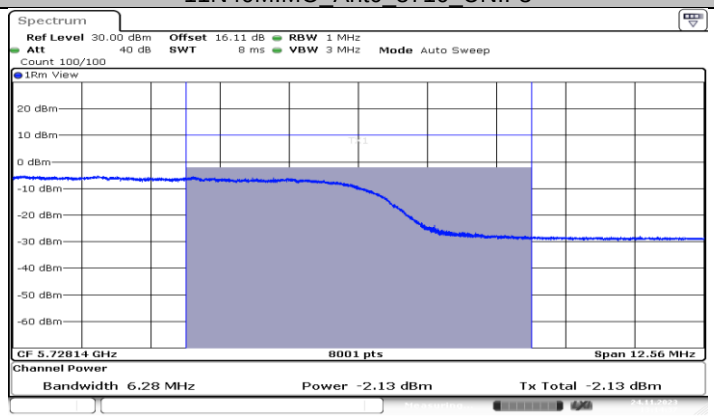
11N40MIMO_Ant0_5710_UNII-2C



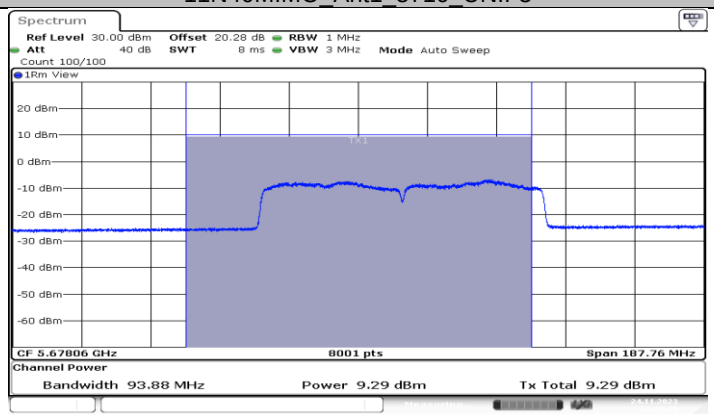
11N40MIMO_Ant1_5710_UNII-2C



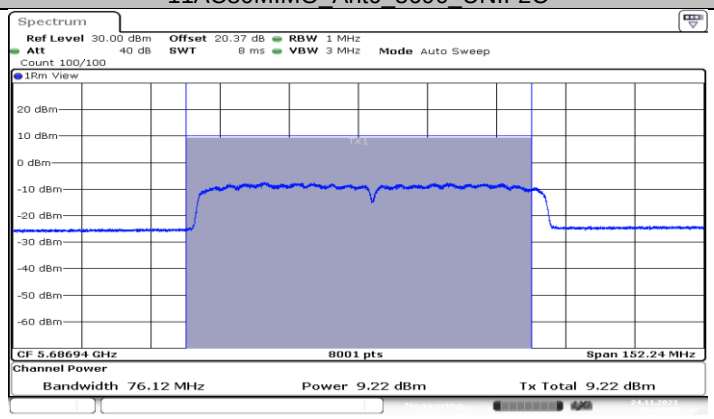
11N40MIMO_Ant0_5710_UNII-3

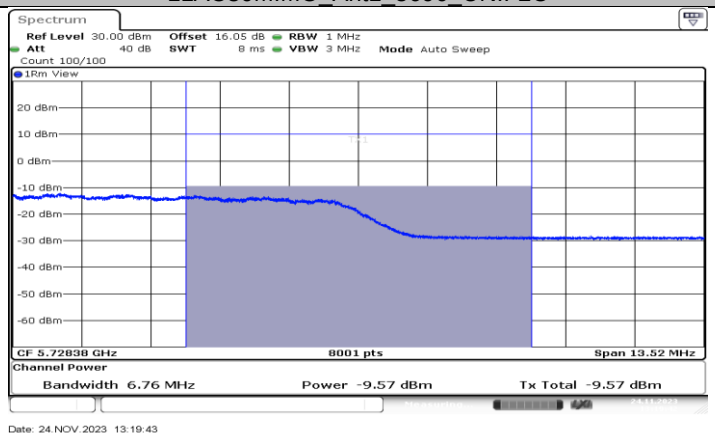
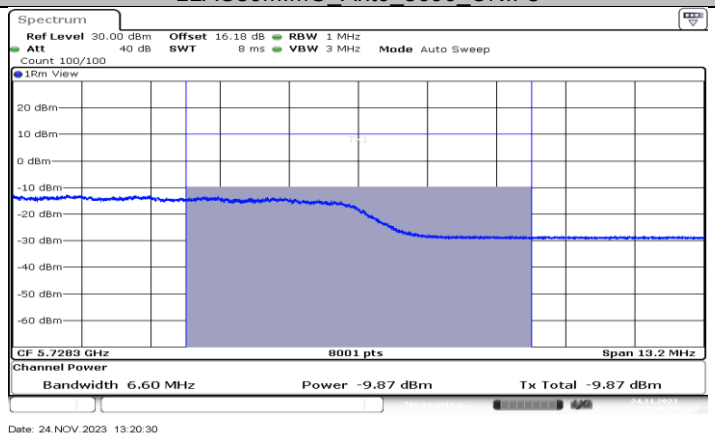


11N40MIMO_Ant1_5710_UNII-3



11AC80MIMO_Ant0_5690_UNII-2C



11AC80MIMO_Ant1_5690_UNII-2C

11AC80MIMO_Ant0_5690_UNII-3

11AC80MIMO_Ant1_5690_UNII-3

11.4. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

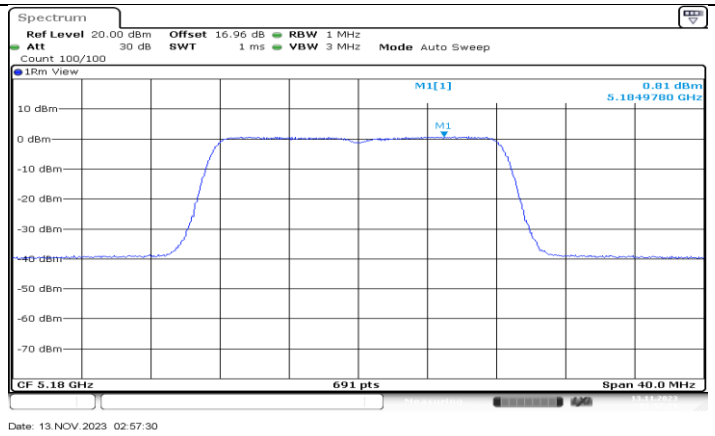
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant0	5180	0.81	≤11.00	2.31	≤10.00	PASS
	Ant1	5180	0.57	≤11.00	4.10	≤10.00	PASS
	Ant0	5200	1.35	≤11.00	2.85	≤10.00	PASS
	Ant1	5200	0.42	≤11.00	3.95	≤10.00	PASS
	Ant0	5240	0.81	≤11.00	2.31	≤10.00	PASS
	Ant1	5240	-0.40	≤11.00	3.13	≤10.00	PASS
	Ant0	5260	0.63	≤11.00	2.13	---	PASS
	Ant1	5260	1.43	≤11.00	4.96	---	PASS
	Ant0	5280	1.65	≤11.00	3.15	---	PASS
	Ant1	5280	0.50	≤11.00	4.03	---	PASS
	Ant0	5320	0.54	≤11.00	2.04	---	PASS
	Ant1	5320	0.55	≤11.00	4.08	---	PASS
	Ant0	5500	1.23	≤11.00	2.73	---	PASS
	Ant1	5500	1.54	≤11.00	5.07	---	PASS
	Ant0	5580	1.36	≤11.00	2.86	---	PASS
	Ant1	5580	0.27	≤11.00	3.80	---	PASS
	Ant0	5700	0.95	≤11.00	2.45	---	PASS
	Ant1	5700	1.57	≤11.00	5.10	---	PASS
	Ant0	5720_UNII-2C	0.88	≤11.00	2.38	---	PASS
	Ant1	5720_UNII-2C	1.64	≤11.00	5.17	---	PASS
	Ant0	5720_UNII-3	-1.82	≤30.00	-0.32	---	PASS
	Ant1	5720_UNII-3	-0.97	≤30.00	2.56	---	PASS
	Ant0	5745	-2.48	≤30.00	-0.98	---	PASS
	Ant1	5745	-2.00	≤30.00	1.53	---	PASS
	Ant0	5785	-2.46	≤30.00	-0.96	---	PASS
	Ant1	5785	-1.63	≤30.00	1.90	---	PASS
	Ant0	5825	-2.47	≤30.00	-0.97	---	PASS
	Ant1	5825	-1.87	≤30.00	1.66	---	PASS
11N20MIMO	Ant0	5180	-0.91	≤11.00	2.62	≤10.00	PASS
	Ant1	5180	0.10	≤11.00	3.63	≤10.00	PASS
	total	5180	2.63	≤11.00	9.17	≤10.00	PASS
	Ant0	5200	-0.86	≤11.00	2.67	≤10.00	PASS
	Ant1	5200	-0.66	≤11.00	2.87	≤10.00	PASS
	total	5200	2.25	≤11.00	8.79	≤10.00	PASS
	Ant0	5240	-1.00	≤11.00	2.53	≤10.00	PASS
	Ant1	5240	-0.75	≤11.00	2.78	≤10.00	PASS
	total	5240	2.14	≤11.00	8.68	≤10.00	PASS
	Ant0	5260	0.51	≤11.00	4.04	---	PASS
	Ant1	5260	1.27	≤11.00	4.80	---	PASS
	total	5260	3.92	≤11.00	10.46	---	PASS
	Ant0	5280	1.27	≤11.00	4.80	---	PASS
	Ant1	5280	1.87	≤11.00	5.40	---	PASS
	total	5280	4.59	≤11.00	11.13	---	PASS
	Ant0	5320	0.20	≤11.00	3.73	---	PASS
	Ant1	5320	0.31	≤11.00	3.84	---	PASS
	total	5320	3.27	≤11.00	9.81	---	PASS
	Ant0	5500	1.09	≤11.00	4.62	---	PASS
	Ant1	5500	0.50	≤11.00	4.03	---	PASS
	total	5500	3.82	≤11.00	10.36	---	PASS
	Ant0	5580	0.97	≤11.00	4.50	---	PASS
	Ant1	5580	0.27	≤11.00	3.80	---	PASS
	total	5580	3.64	≤11.00	10.18	---	PASS
	Ant0	5700	1.17	≤11.00	4.70	---	PASS
	Ant1	5700	1.76	≤11.00	5.29	---	PASS
	total	5700	4.49	≤11.00	11.03	---	PASS
	Ant0	5720_UNII-2C	0.77	≤11.00	4.30	---	PASS
	Ant1	5720_UNII-2C	1.50	≤11.00	5.03	---	PASS
	total	5720_UNII-2C	4.16	≤11.00	10.70	---	PASS

	Ant0	5720_UNII-3	-1.83	≤30.00	1.70	---	PASS
	Ant1	5720_UNII-3	-1.27	≤30.00	2.26	---	PASS
	total	5720_UNII-3	1.47	≤30.00	8.01	---	PASS
	Ant0	5745	-2.20	≤30.00	1.33	---	PASS
	Ant1	5745	-1.96	≤30.00	1.57	---	PASS
	total	5745	0.93	≤30.00	7.47	---	PASS
	Ant0	5785	-2.22	≤30.00	1.31	---	PASS
	Ant1	5785	-1.60	≤30.00	1.93	---	PASS
	total	5785	1.11	≤30.00	7.65	---	PASS
	Ant0	5825	-2.34	≤30.00	1.19	---	PASS
	Ant1	5825	-2.48	≤30.00	1.05	---	PASS
	total	5825	0.60	≤30.00	7.14	---	PASS
11N40MIMO	Ant0	5190	-1.93	≤11.00	1.60	≤10.00	PASS
	Ant1	5190	-1.15	≤11.00	2.38	≤10.00	PASS
	total	5190	1.49	≤11.00	8.03	≤10.00	PASS
	Ant0	5230	-1.96	≤11.00	1.57	≤10.00	PASS
	Ant1	5230	-2.84	≤11.00	0.69	≤10.00	PASS
	total	5230	0.63	≤11.00	7.17	≤10.00	PASS
	Ant0	5270	-3.78	≤11.00	-0.25	---	PASS
	Ant1	5270	-2.89	≤11.00	0.64	---	PASS
	total	5270	-0.30	≤11.00	6.24	---	PASS
	Ant0	5310	-3.08	≤11.00	0.45	---	PASS
	Ant1	5310	-3.44	≤11.00	0.09	---	PASS
	total	5310	-0.25	≤11.00	6.29	---	PASS
	Ant0	5510	-4.51	≤11.00	-0.98	---	PASS
	Ant1	5510	-3.62	≤11.00	-0.09	---	PASS
	total	5510	-1.03	≤11.00	5.51	---	PASS
	Ant0	5550	-3.37	≤11.00	0.16	---	PASS
	Ant1	5550	-2.77	≤11.00	0.76	---	PASS
	total	5550	-0.05	≤11.00	6.49	---	PASS
	Ant0	5670	-4.00	≤11.00	-0.47	---	PASS
	Ant1	5670	-2.31	≤11.00	1.22	---	PASS
	total	5670	-0.06	≤11.00	6.48	---	PASS
	Ant0	5710_UNII-2C	-4.01	≤11.00	-0.48	---	PASS
	Ant1	5710_UNII-2C	-2.25	≤11.00	1.28	---	PASS
	total	5710_UNII-2C	-0.03	≤11.00	6.51	---	PASS
	Ant0	5710_UNII-3	-8.11	≤30.00	-4.58	---	PASS
	Ant1	5710_UNII-3	-6.91	≤30.00	-3.38	---	PASS
	total	5710_UNII-3	-4.46	≤30.00	2.08	---	PASS
	Ant0	5755	-4.74	≤30.00	-1.21	---	PASS
	Ant1	5755	-4.36	≤30.00	-0.83	---	PASS
	total	5755	-1.54	≤30.00	5.00	---	PASS
	Ant0	5795	-5.24	≤30.00	-1.71	---	PASS
	Ant1	5795	-3.96	≤30.00	-0.43	---	PASS
	total	5795	-1.54	≤30.00	5.00	---	PASS
11AC80MIMO	Ant0	5210	-5.18	≤11.00	-1.65	≤10.00	PASS
	Ant1	5210	-5.16	≤11.00	-1.63	≤10.00	PASS
	total	5210	-2.16	≤11.00	4.38	≤10.00	PASS
	Ant0	5290	-5.74	≤11.00	-2.21	---	PASS
	Ant1	5290	-5.23	≤11.00	-1.70	---	PASS
	total	5290	-2.47	≤11.00	4.07	---	PASS
	Ant0	5530	-8.30	≤11.00	-4.77	---	PASS
	Ant1	5530	-8.97	≤11.00	-5.44	---	PASS
	total	5530	-5.61	≤11.00	0.93	---	PASS
	Ant0	5610	-6.87	≤11.00	-3.34	---	PASS
	Ant1	5610	-7.01	≤11.00	-3.48	---	PASS
	total	5610	-3.93	≤11.00	2.61	---	PASS
	Ant0	5690_UNII-2C	-7.76	≤11.00	-4.23	---	PASS
	Ant1	5690_UNII-2C	-8.09	≤11.00	-4.56	---	PASS
	total	5690_UNII-2C	-4.91	≤11.00	1.63	---	PASS
	Ant0	5690_UNII-3	-12.79	≤30.00	-9.26	---	PASS
	Ant1	5690_UNII-3	-12.53	≤30.00	-9.00	---	PASS
	total	5690_UNII-3	-9.65	≤30.00	-3.11	---	PASS
	Ant0	5775	-8.74	≤30.00	-5.21	---	PASS

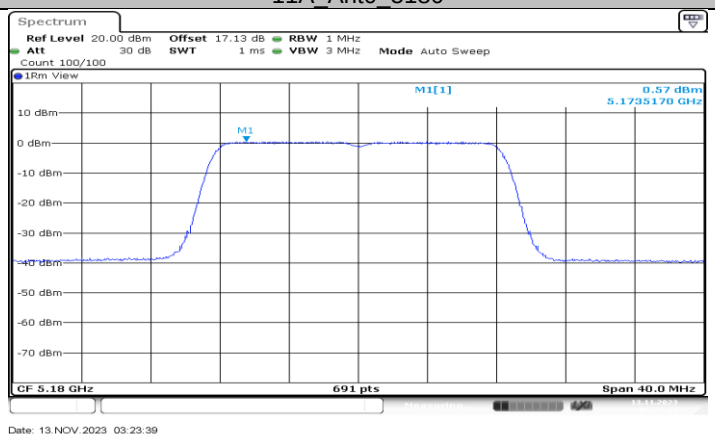
	Ant1	5775	-9.12	≤30.00	-5.59	---	PASS
	total	5775	-5.92	≤30.00	0.62	---	PASS

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.

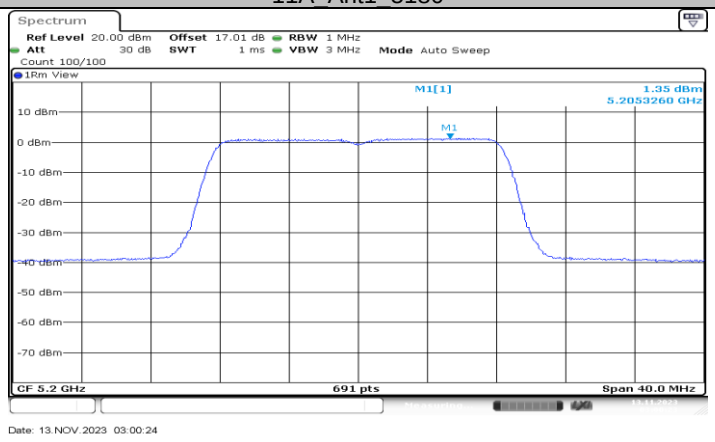
11.4.2. Test Graphs



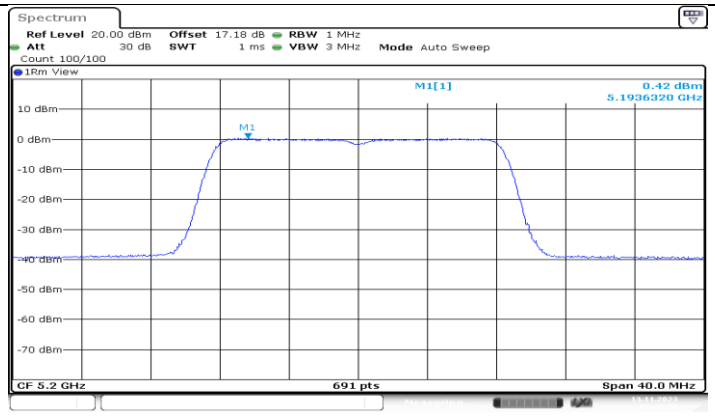
11A_Ant0_5180



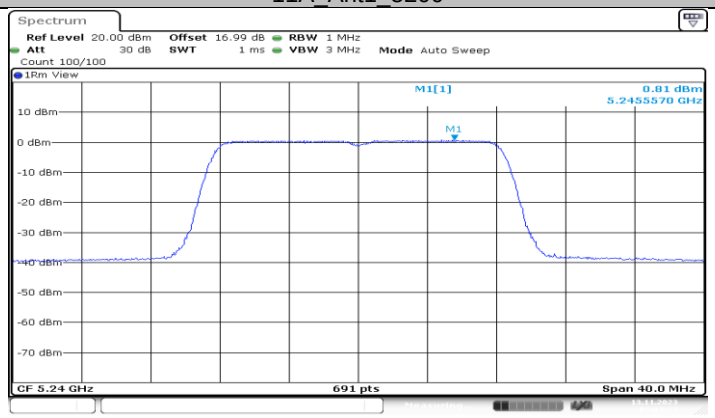
11A_Ant1_5180



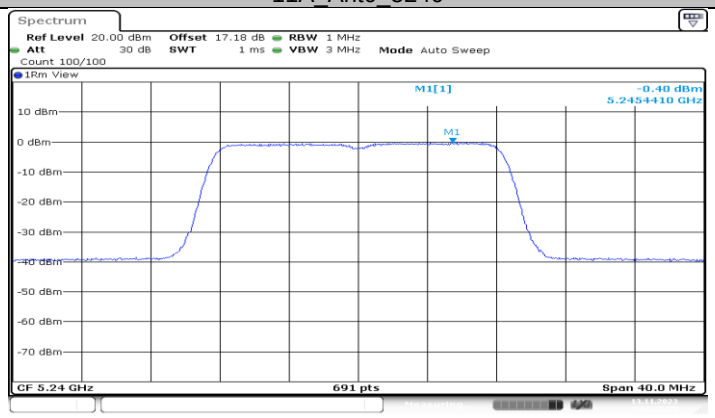
11A_Ant0_5200



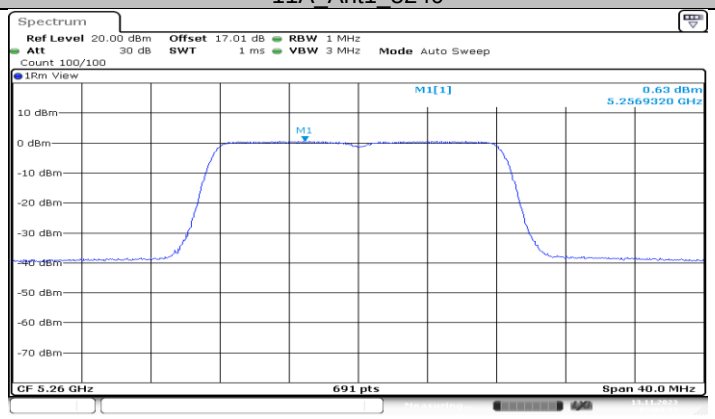
11A_Ant1_5200



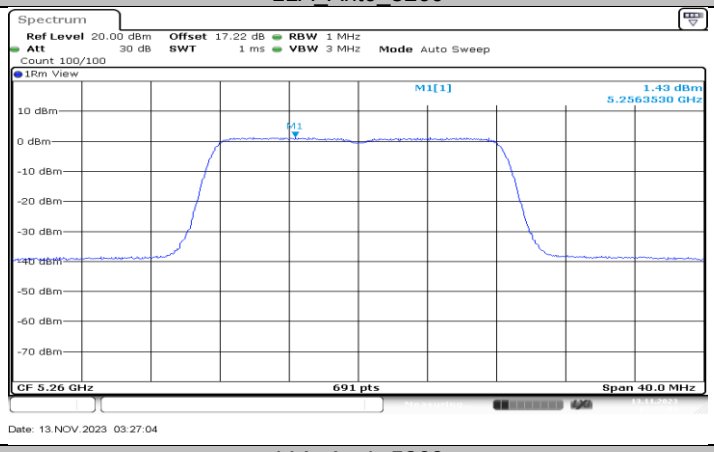
11A_Ant0_5240



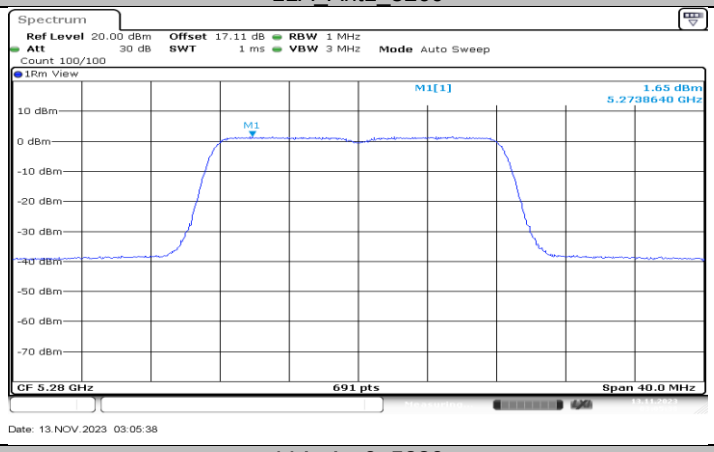
11A_Ant1_5240



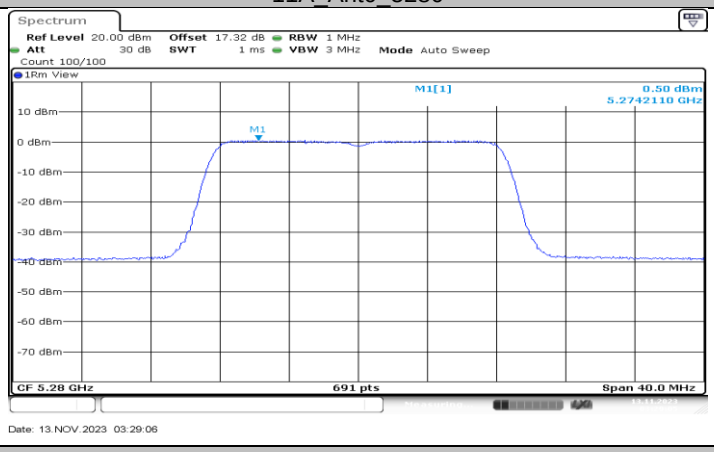
11A_Ant0_5260



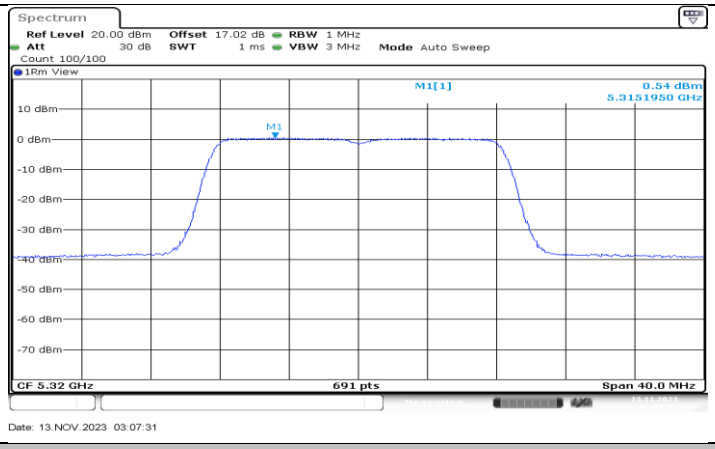
11A_Ant1_5260



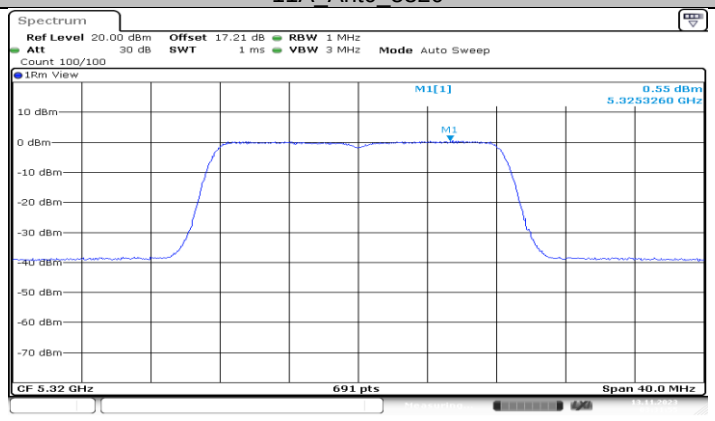
11A_Ant0_5280



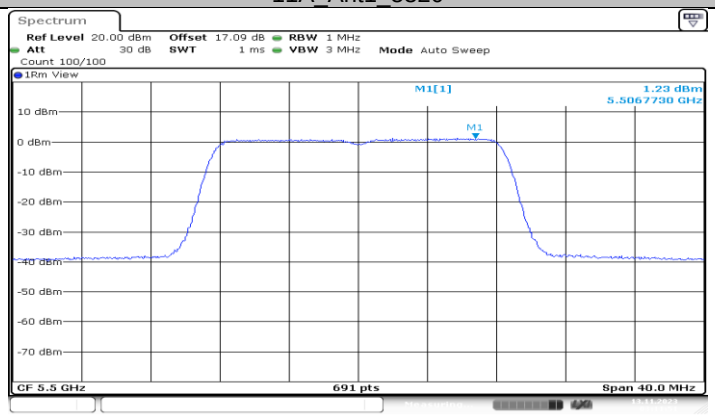
11A_Ant1_5280



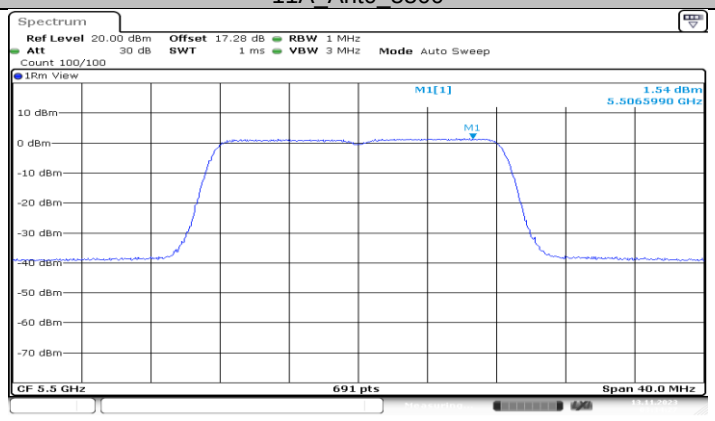
11A_Ant0_5320



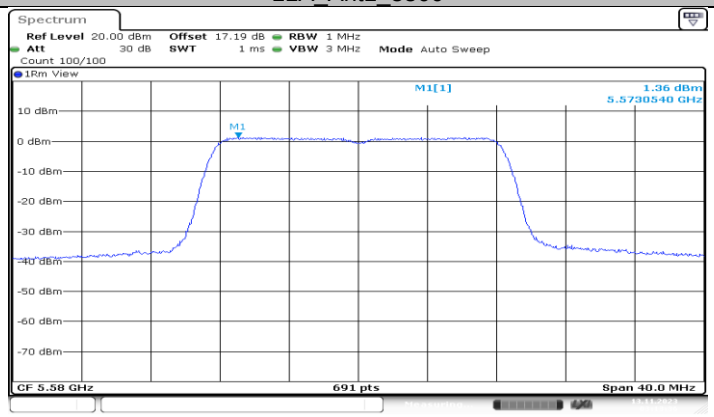
11A_Ant1_5320



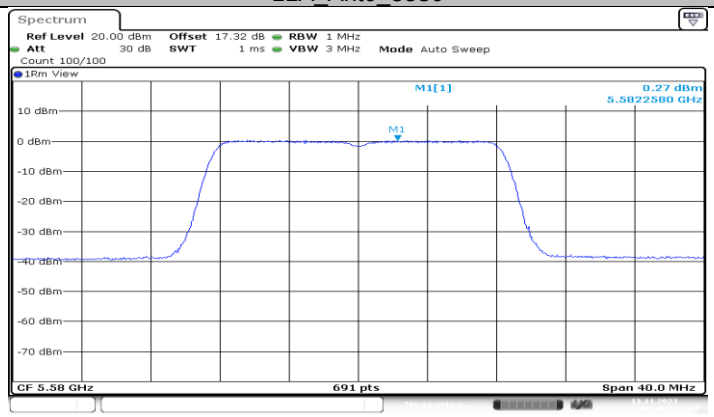
11A_Ant0_5500



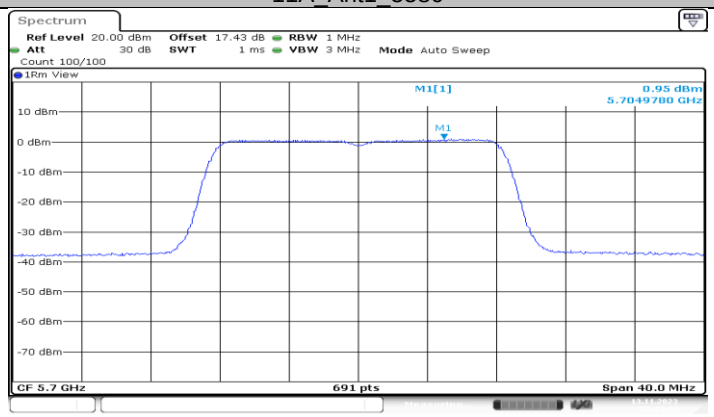
11A_Ant1_5500



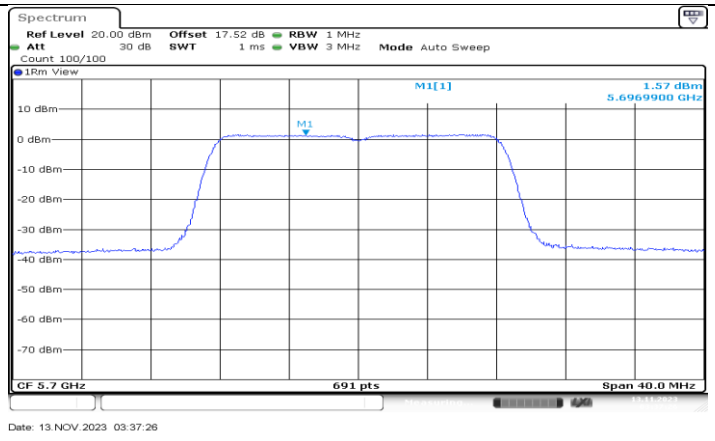
11A_Ant0_5580



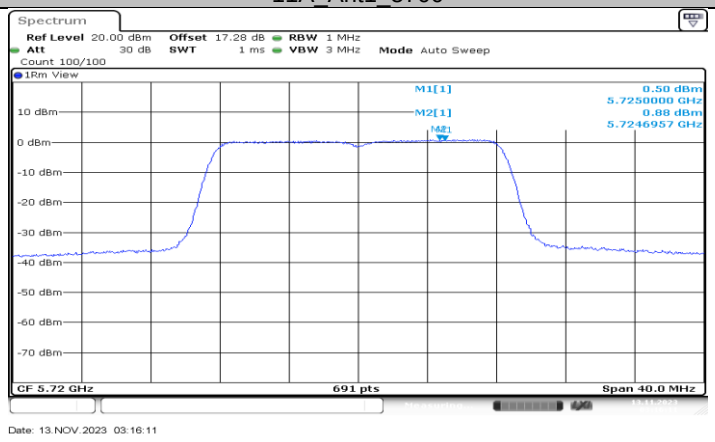
11A_Ant1_5580



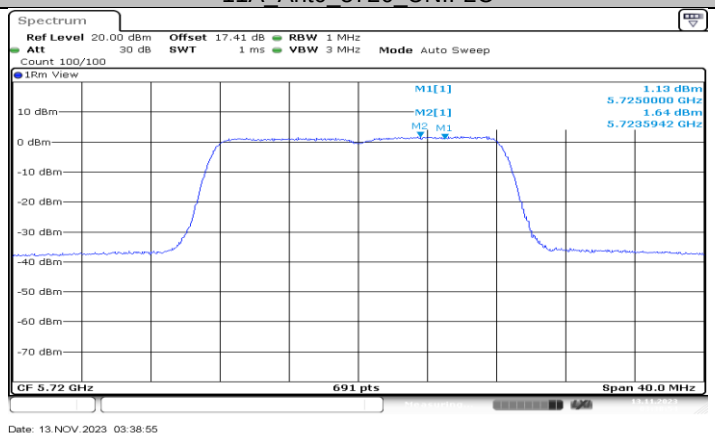
11A_Ant0_5700



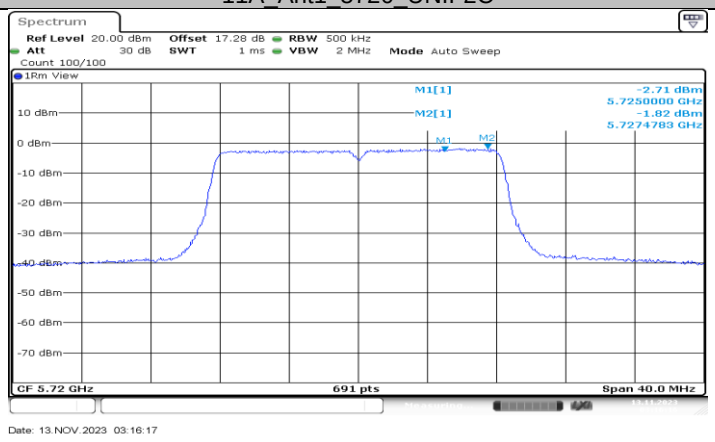
11A_Ant1_5700



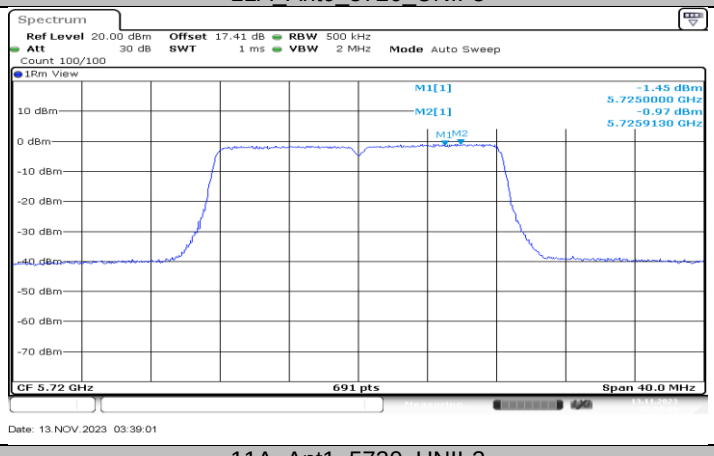
11A_Ant0_5720_UNII-2C



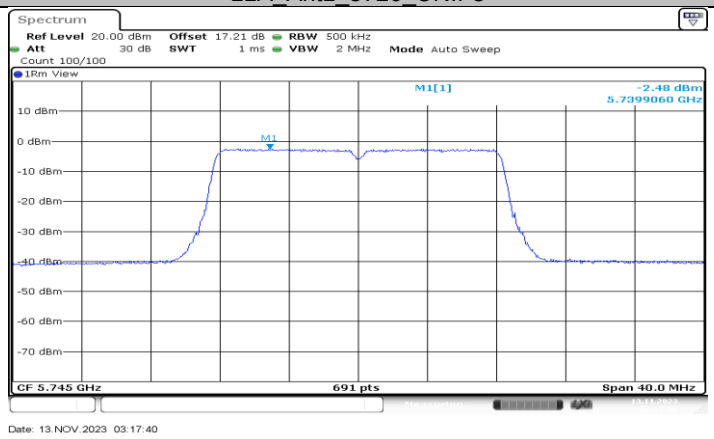
11A_Ant1_5720_UNII-2C



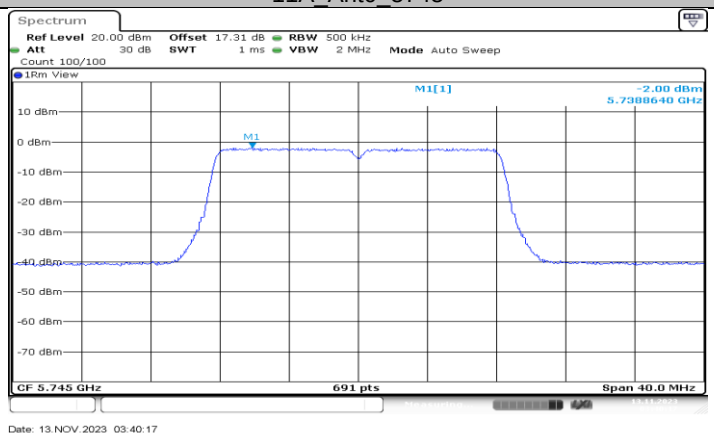
11A_Ant0_5720_UNII-3



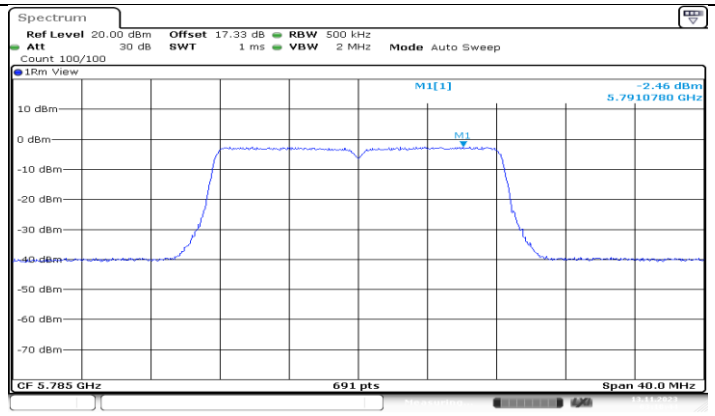
11A_Ant1_5720_UNII-3



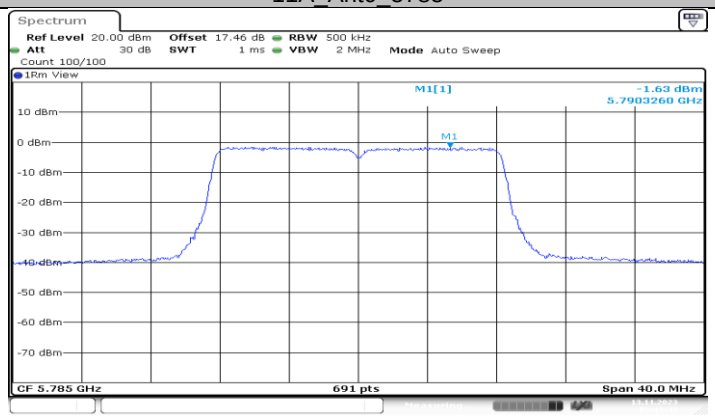
11A_Ant0_5745



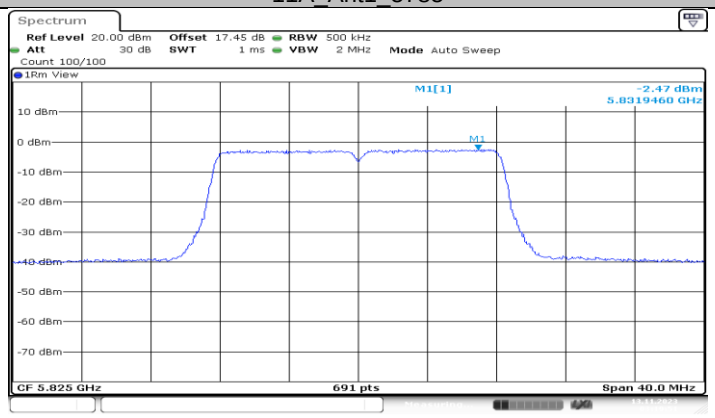
11A_Ant1_5745



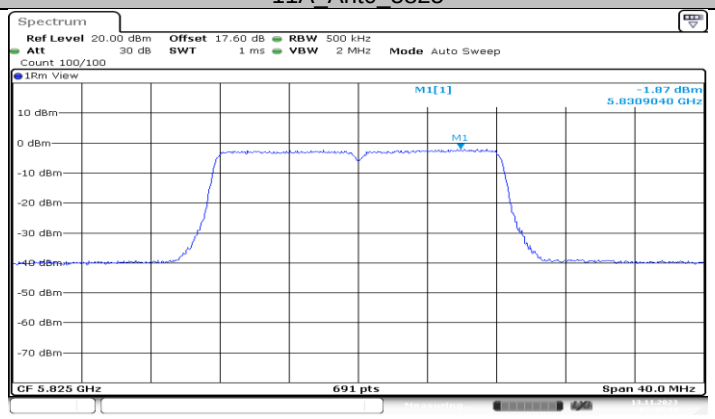
11A_Ant0_5785



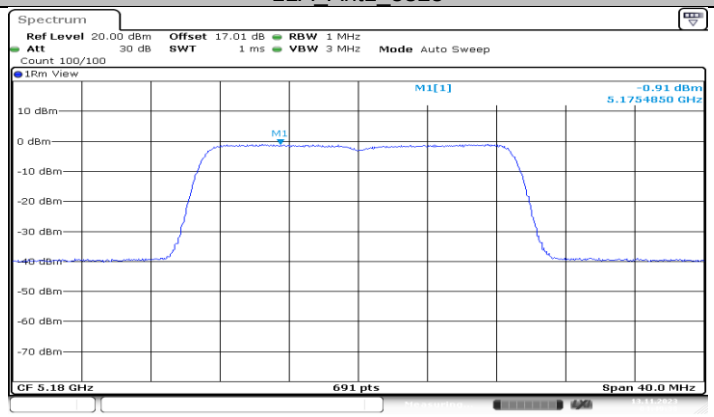
11A_Ant1_5785



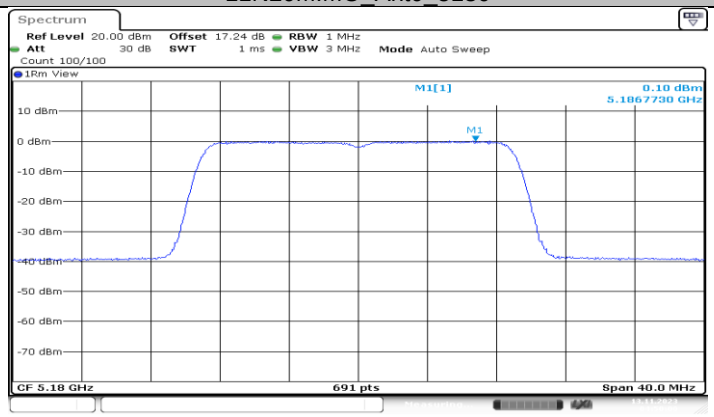
11A_Ant0_5825



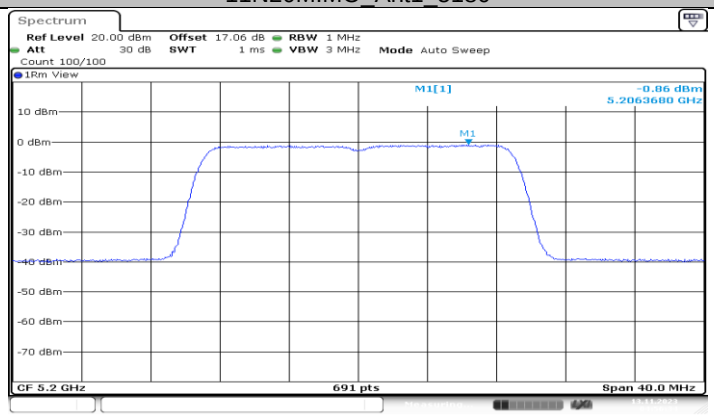
11A_Ant1_5825



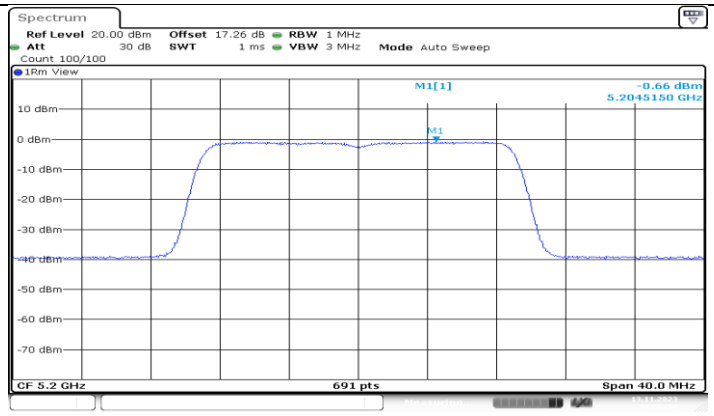
11N20MIMO_Ant0_5180



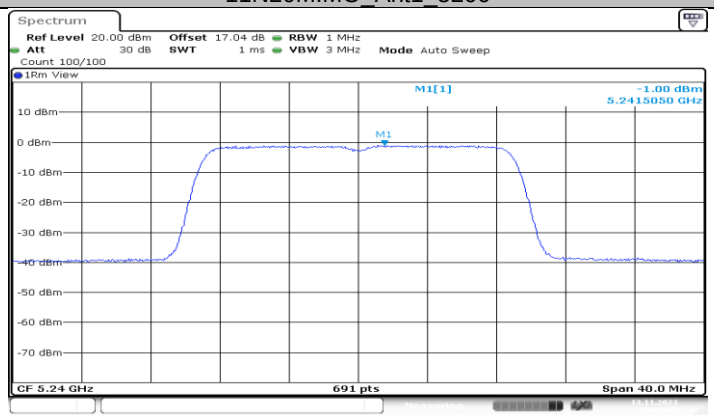
11N20MIMO_Ant1_5180



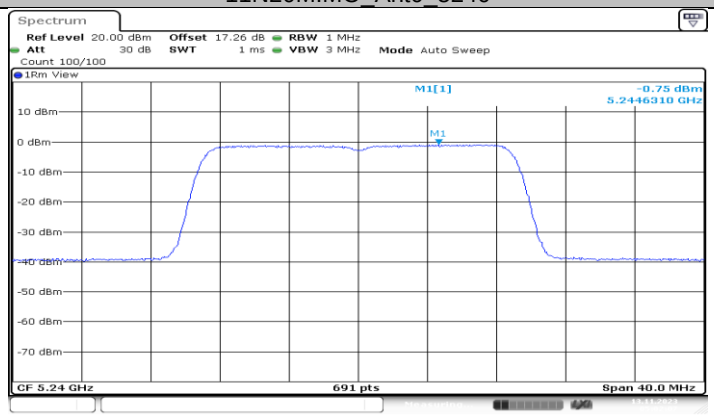
11N20MIMO_Ant0_5200



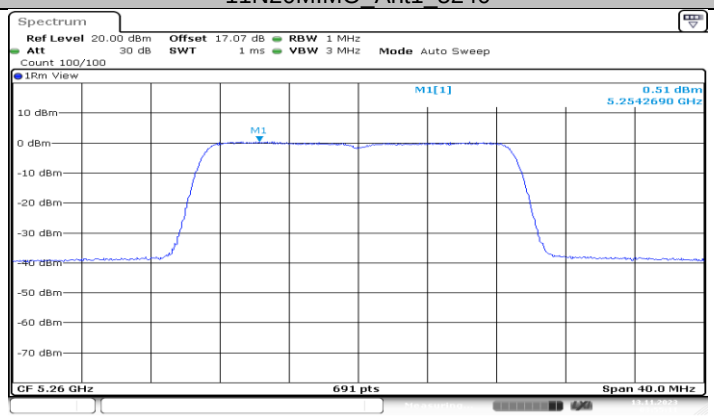
11N20MIMO_Ant1_5200



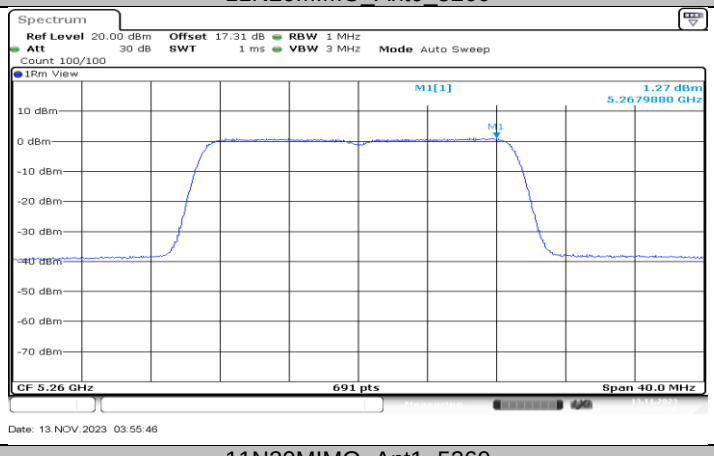
11N20MIMO_Ant0_5240



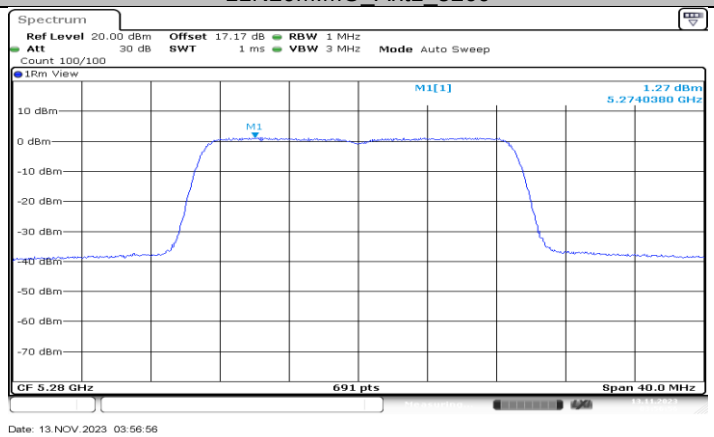
11N20MIMO_Ant1_5240



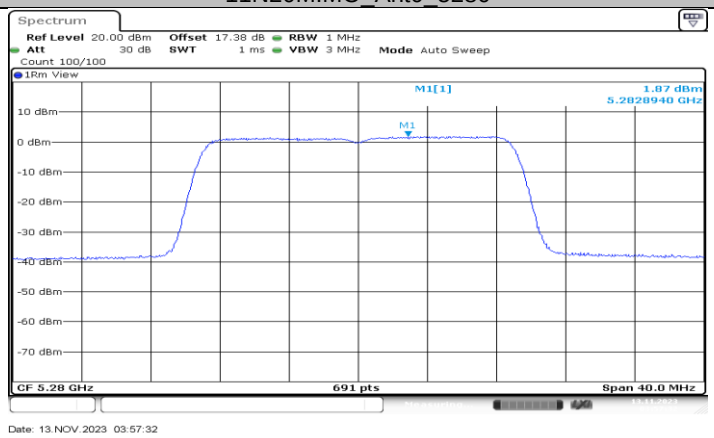
11N20MIMO_Ant0_5260



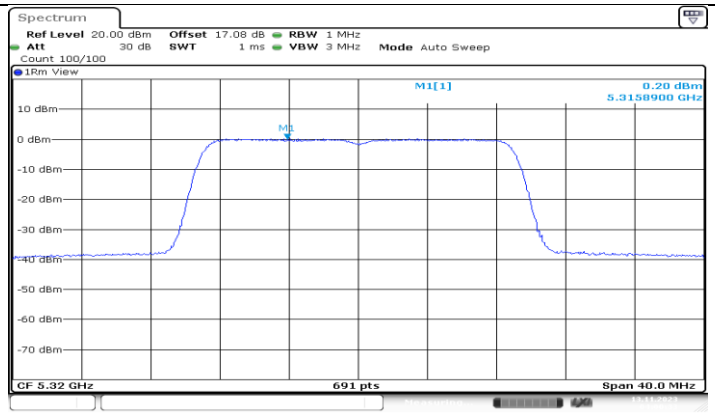
11N20MIMO_Ant1_5260



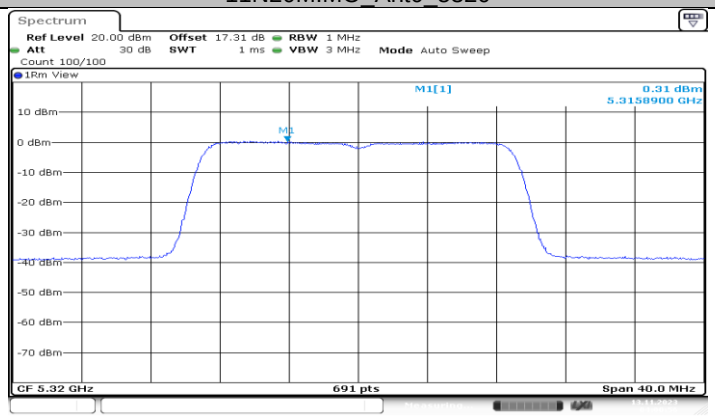
11N20MIMO_Ant0_5280



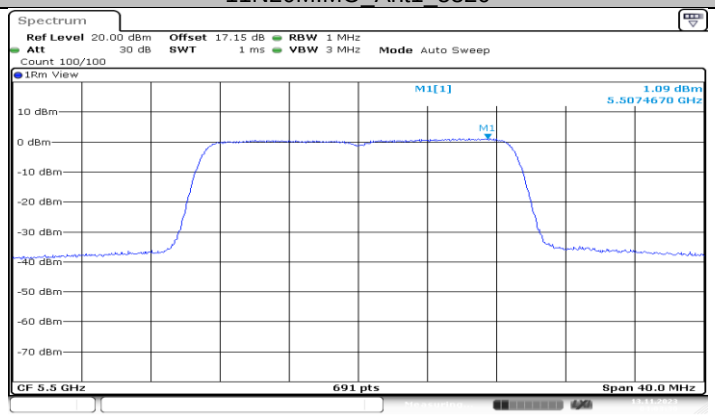
11N20MIMO_Ant1_5280



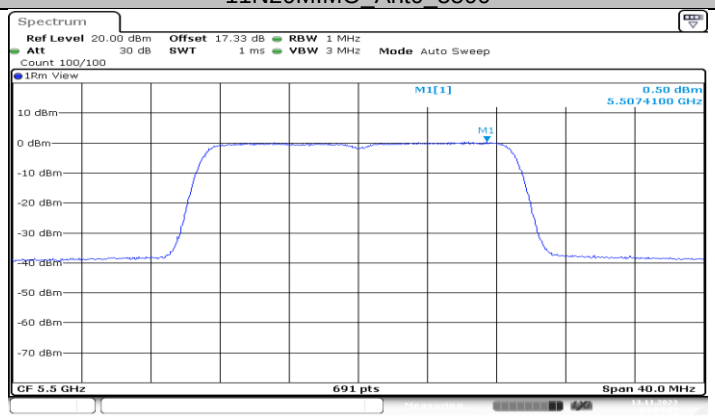
11N20MIMO_Ant0_5320

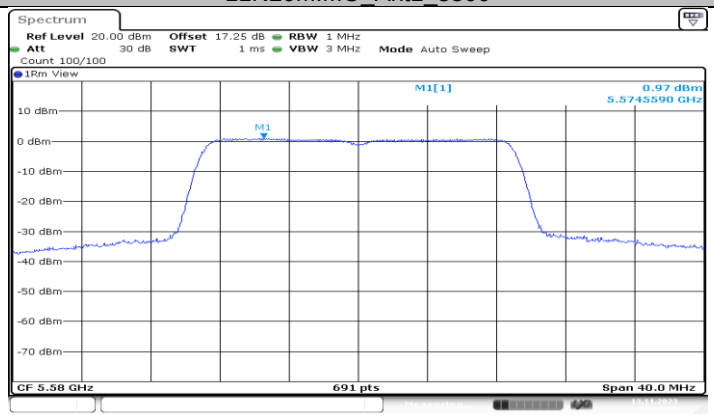
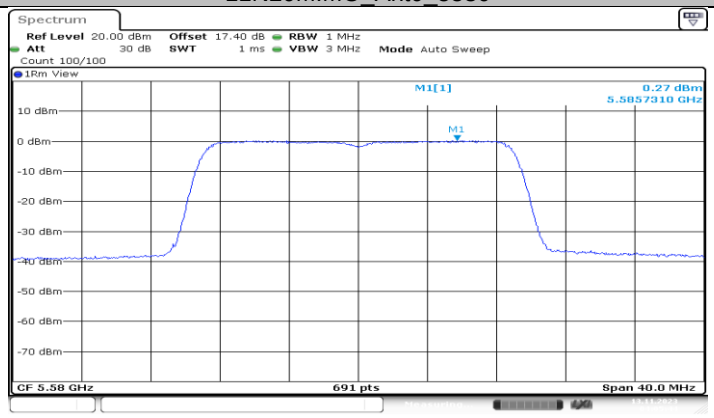
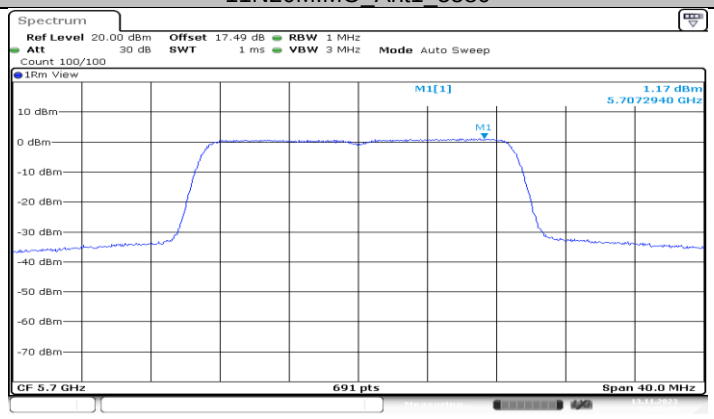


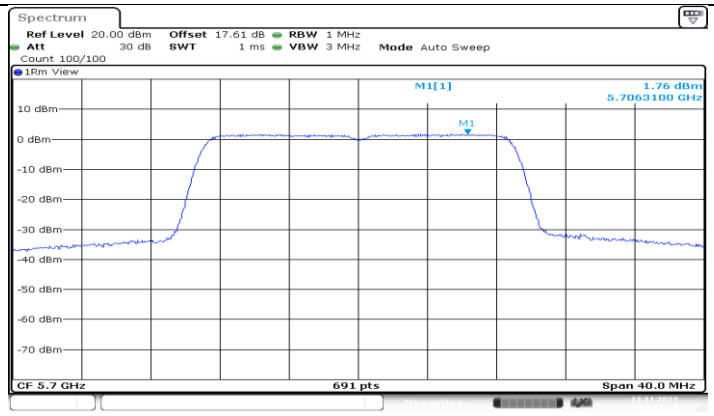
11N20MIMO_Ant1_5320



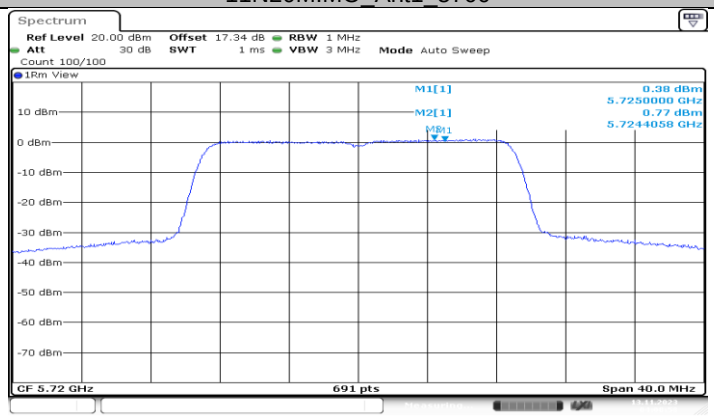
11N20MIMO_Ant0_5500



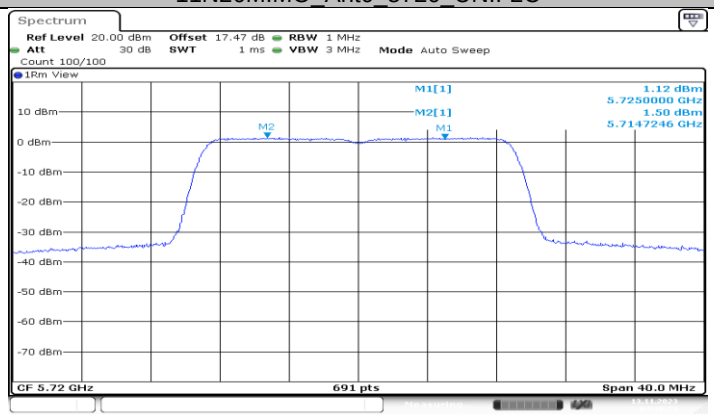
11N20MIMO_Ant1_5500

11N20MIMO_Ant0_5580

11N20MIMO_Ant1_5580

11N20MIMO_Ant0_5700



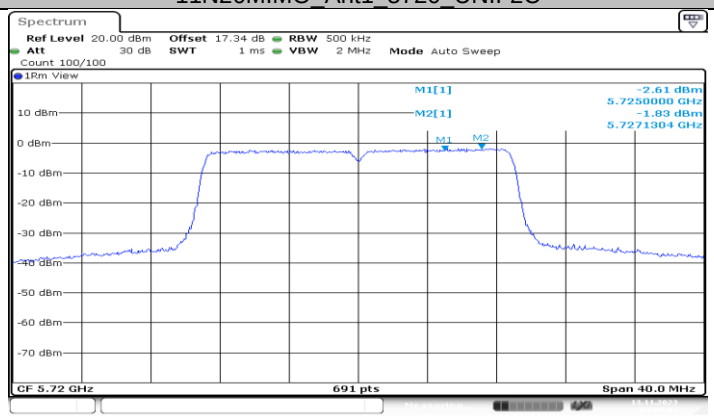
11N20MIMO_Ant1_5700

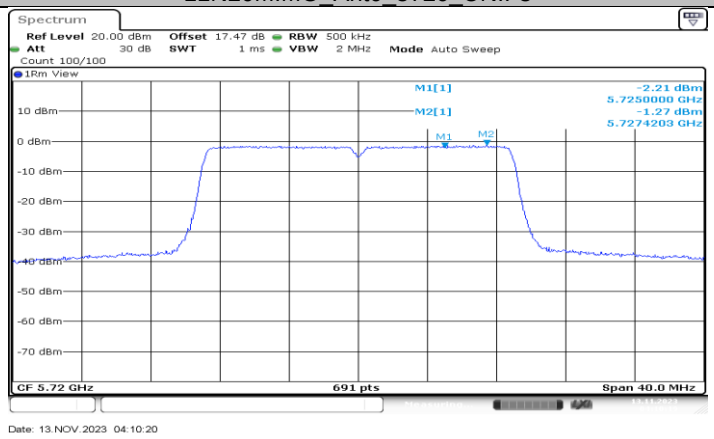
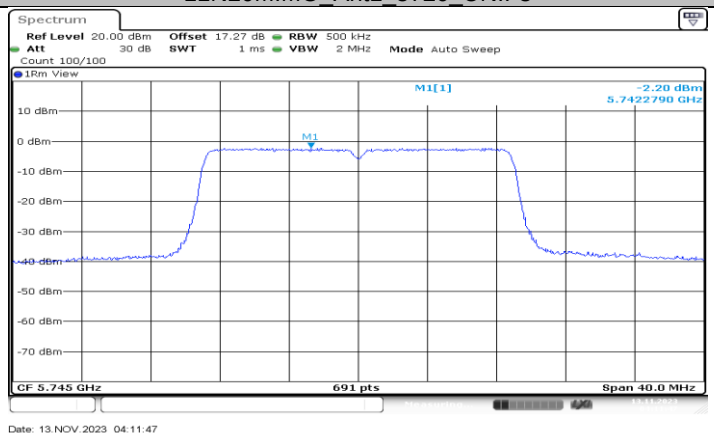
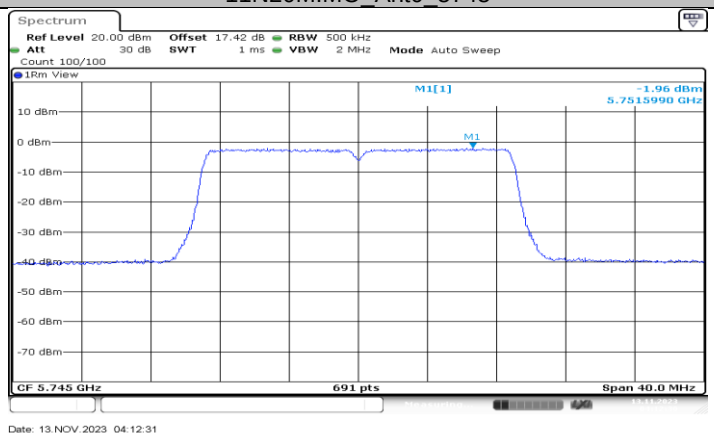


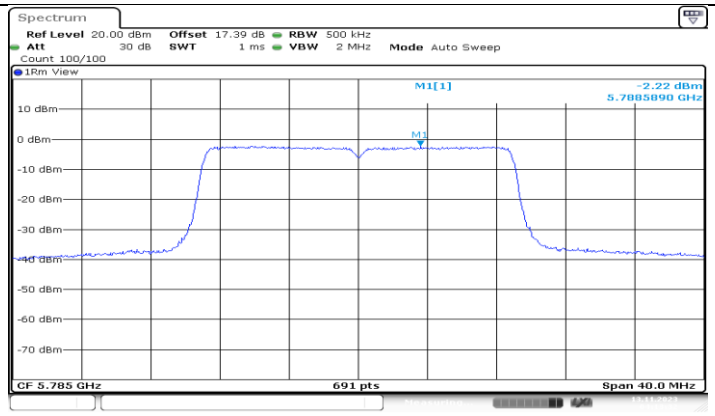
11N20MIMO_Ant0_5720_UNII-2C



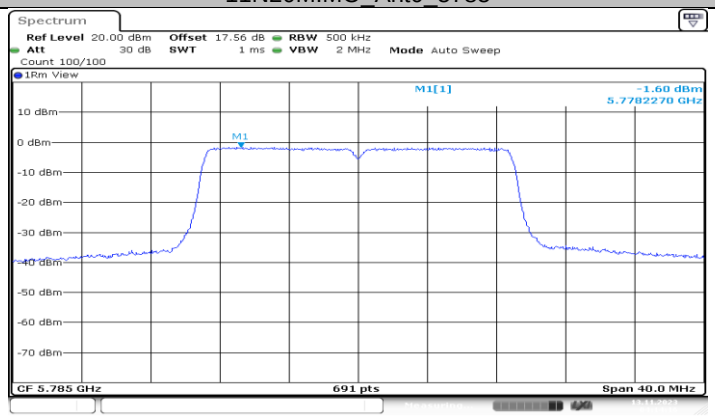
11N20MIMO_Ant1_5720_UNII-2C



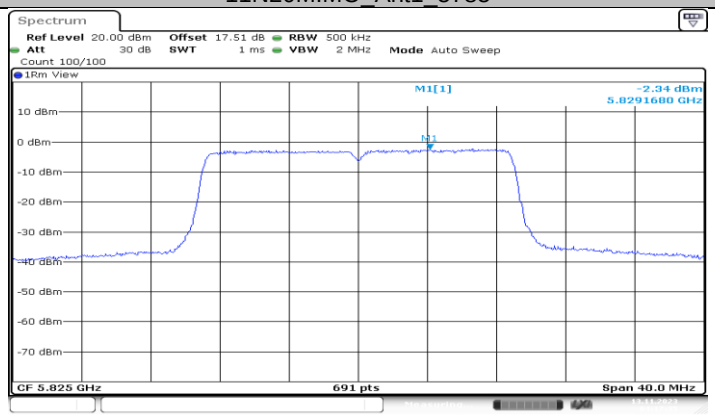
11N20MIMO_Ant0_5720_UNII-3

11N20MIMO_Ant1_5720_UNII-3

11N20MIMO_Ant0_5745

11N20MIMO_Ant1_5745



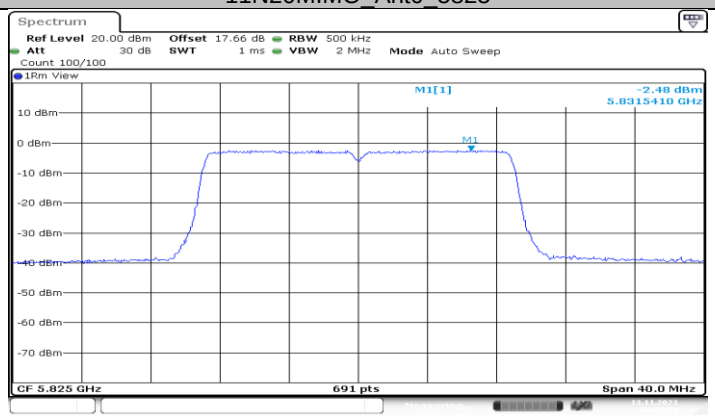
11N20MIMO_Ant0_5785



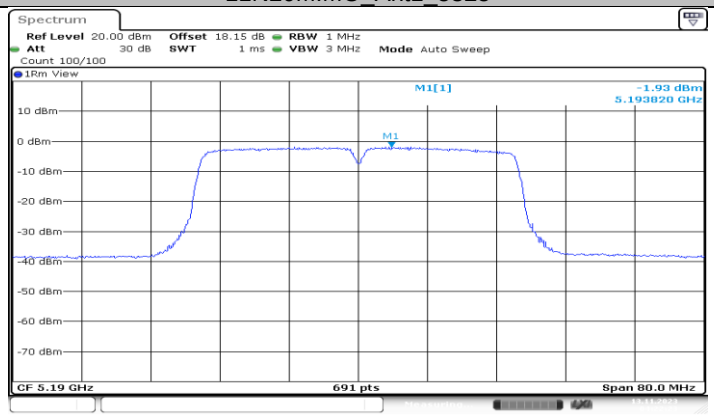
11N20MIMO_Ant1_5785



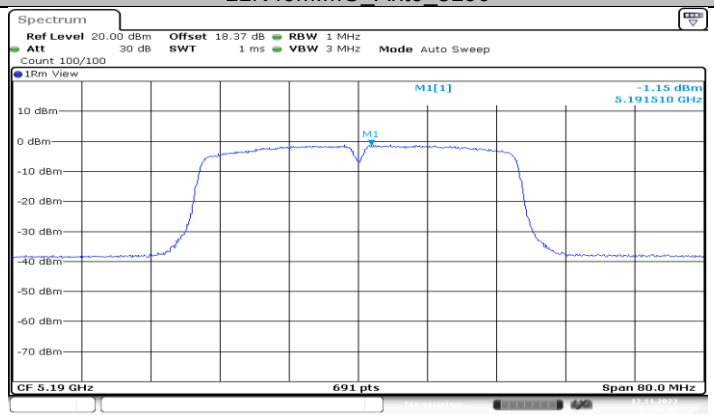
11N20MIMO_Ant0_5825



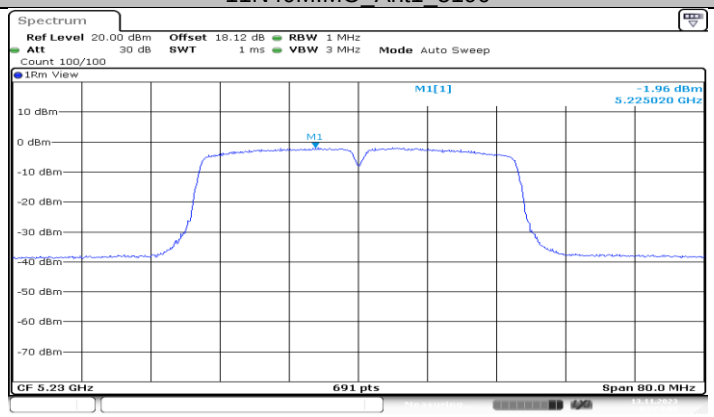
11N20MIMO_Ant1_5825



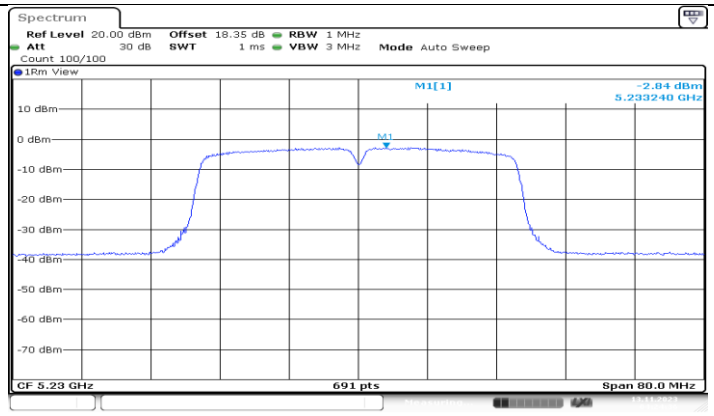
11N40MIMO_Ant0_5190



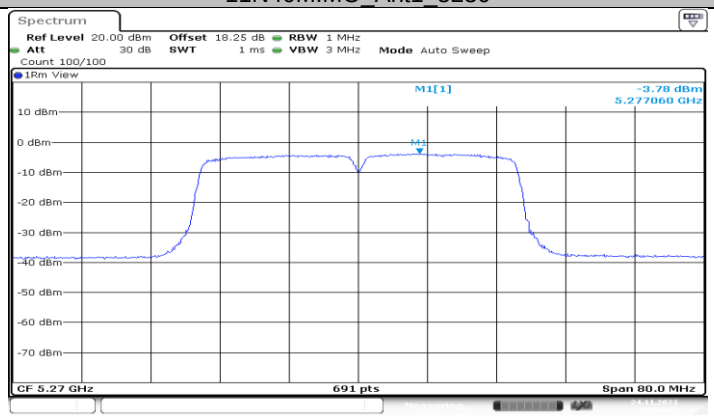
11N40MIMO_Ant1_5190



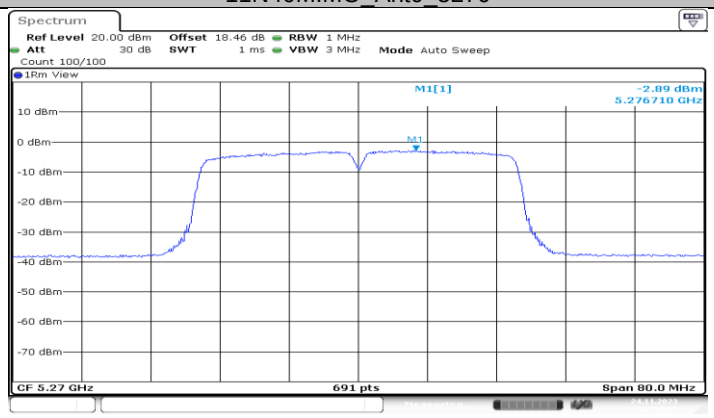
11N40MIMO_Ant0_5230



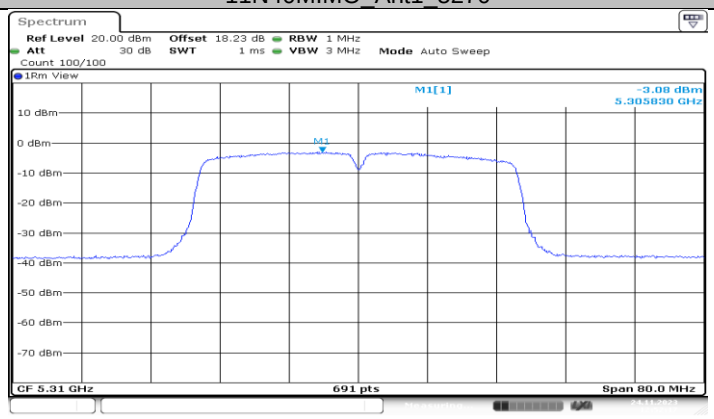
11N40MIMO_Ant1_5230

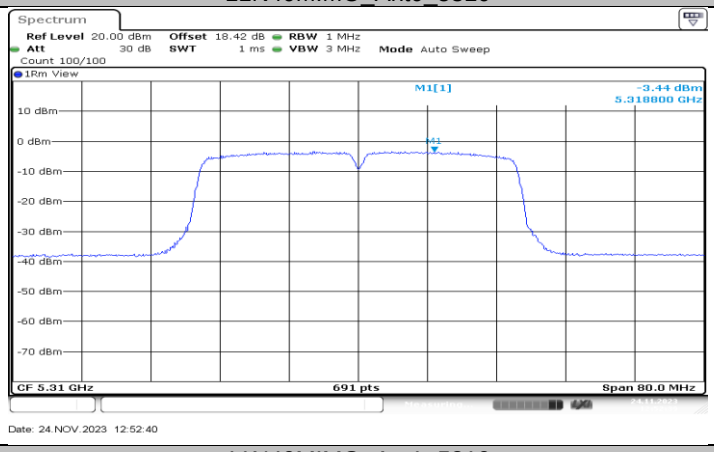
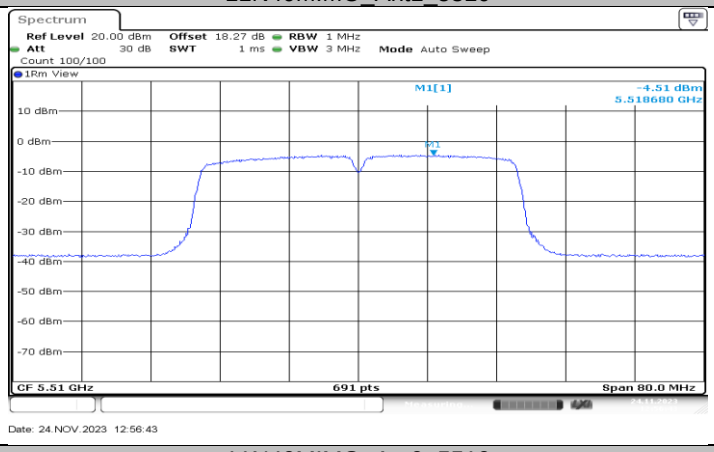
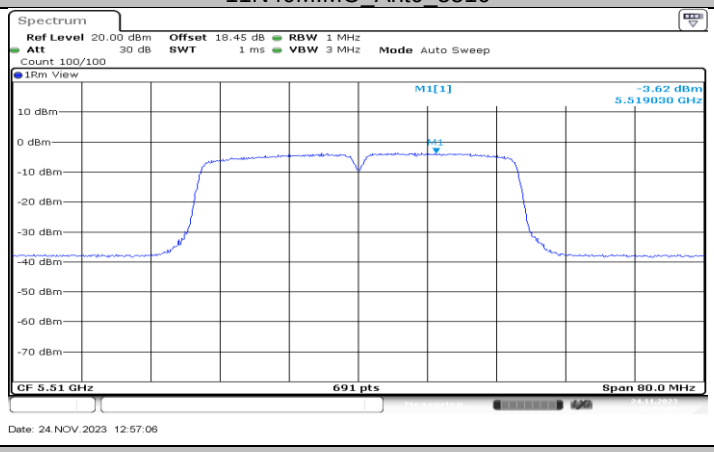


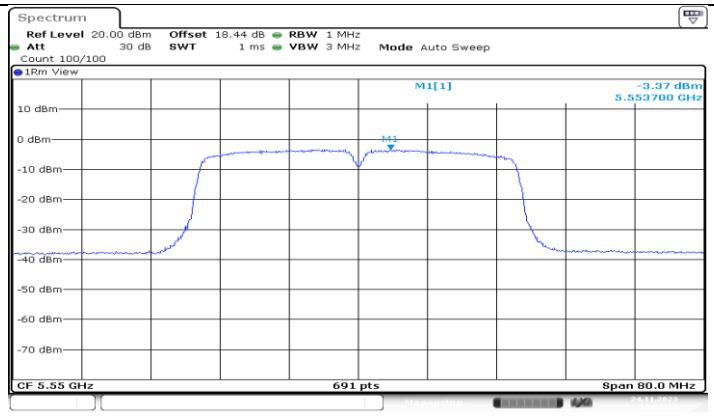
11N40MIMO_Ant0_5270



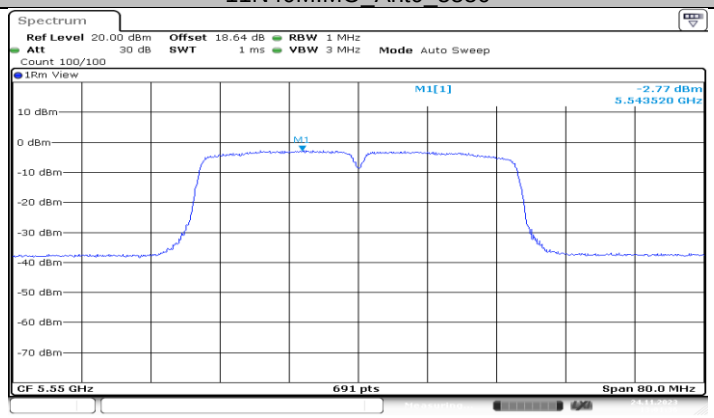
11N40MIMO_Ant1_5270



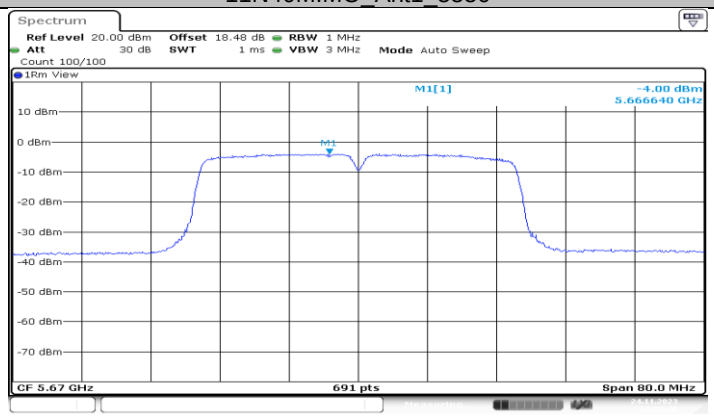
11N40MIMO_Ant0_5310

11N40MIMO_Ant1_5310

11N40MIMO_Ant0_5510

11N40MIMO_Ant1_5510



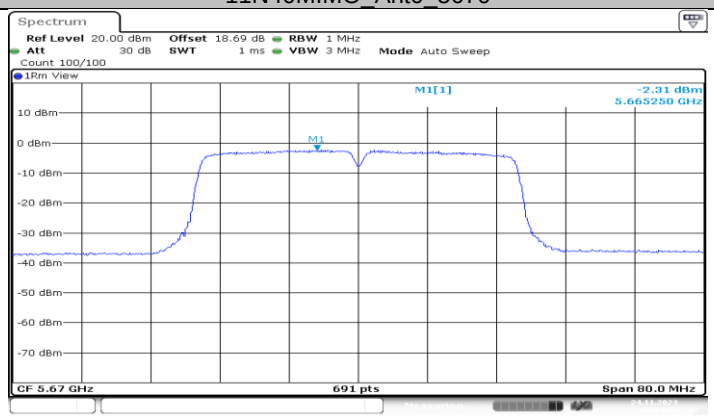
11N40MIMO_Ant0_5550

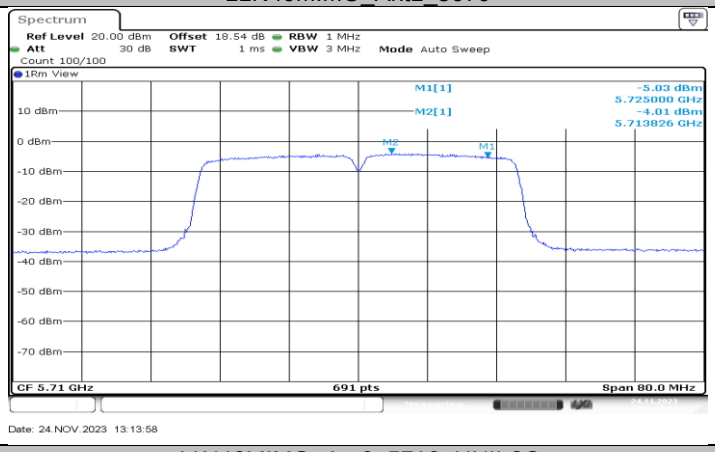
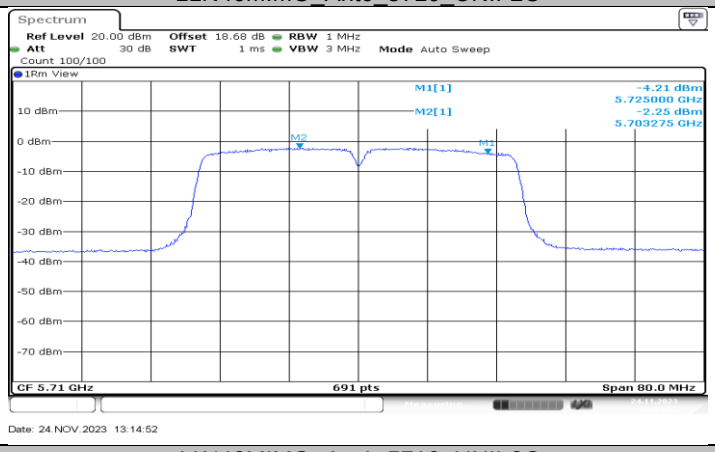
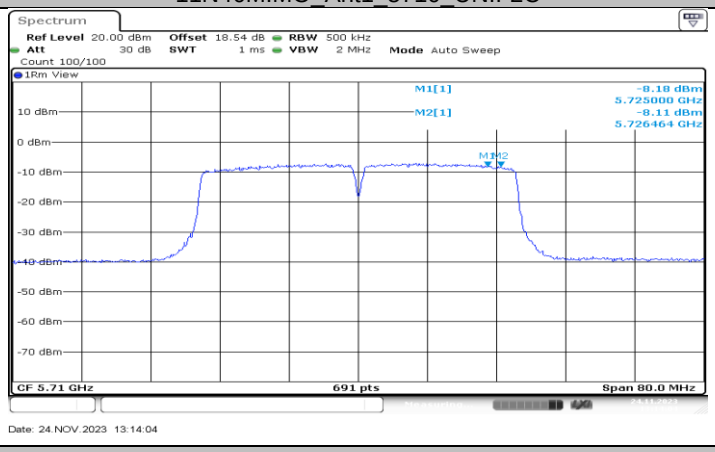


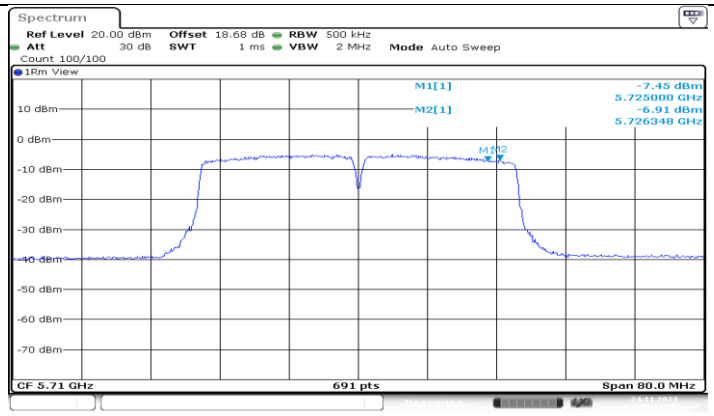
11N40MIMO_Ant1_5550



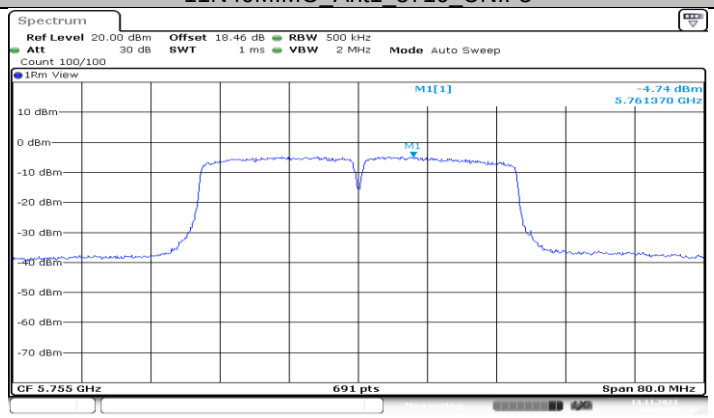
11N40MIMO_Ant0_5670



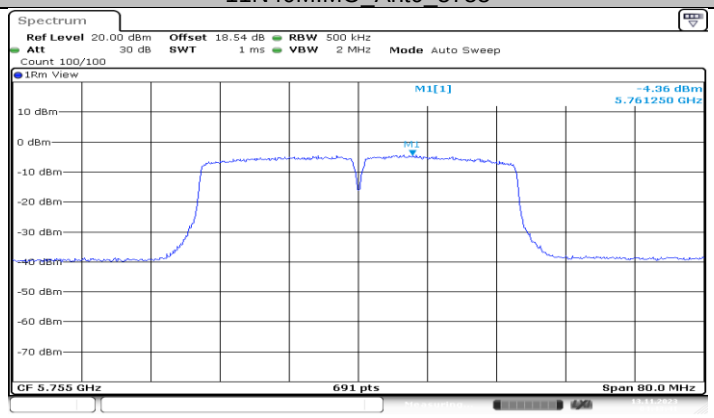
11N40MIMO_Ant1_5670

11N40MIMO_Ant0_5710_UNII-2C

11N40MIMO_Ant1_5710_UNII-2C

11N40MIMO_Ant0_5710_UNII-3



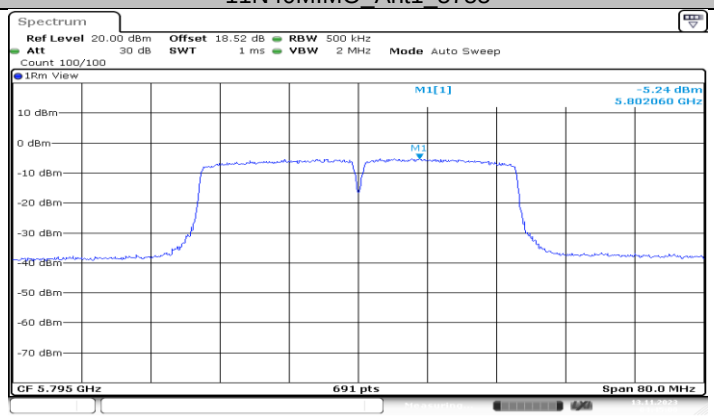
11N40MIMO_Ant1_5710_UNII-3

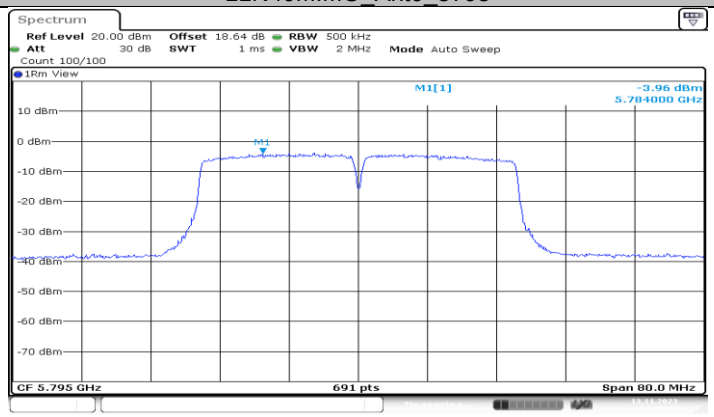
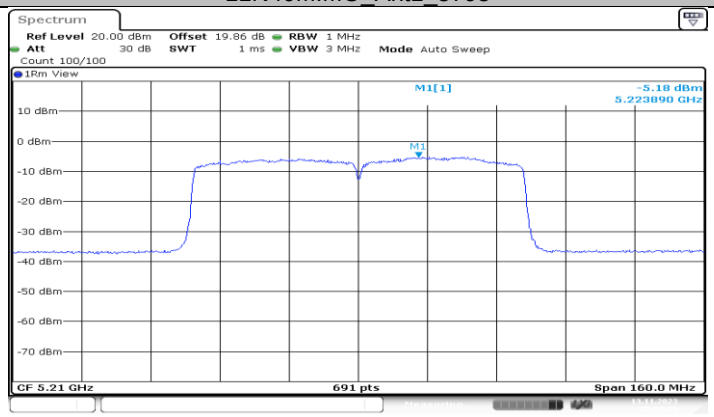
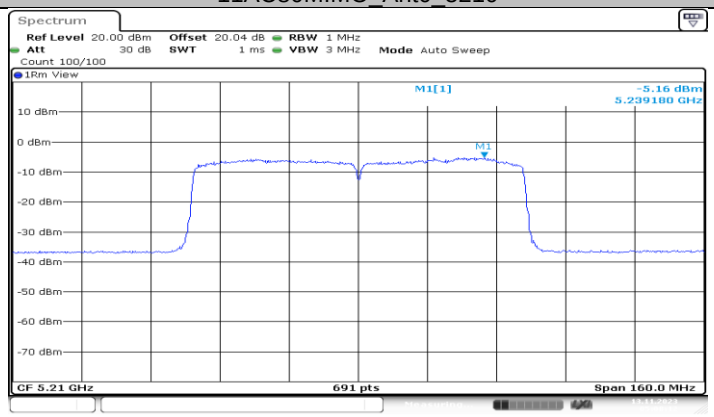


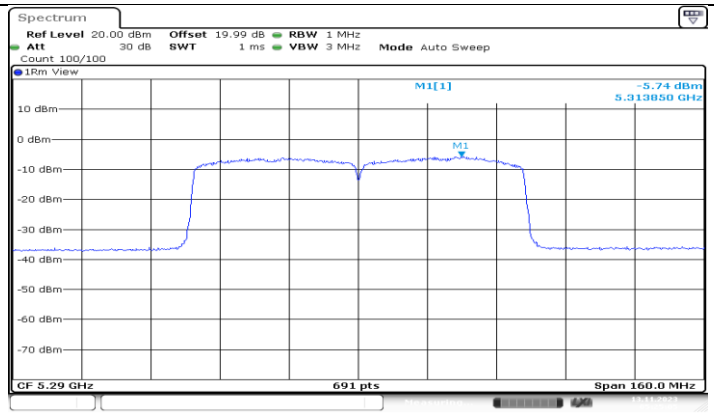
11N40MIMO_Ant0_5755



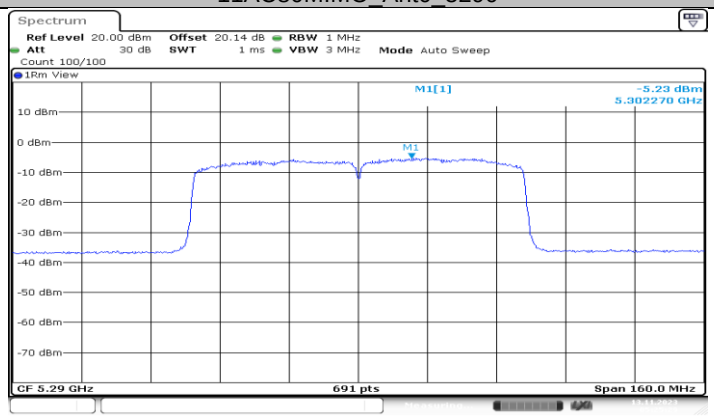
11N40MIMO_Ant1_5755



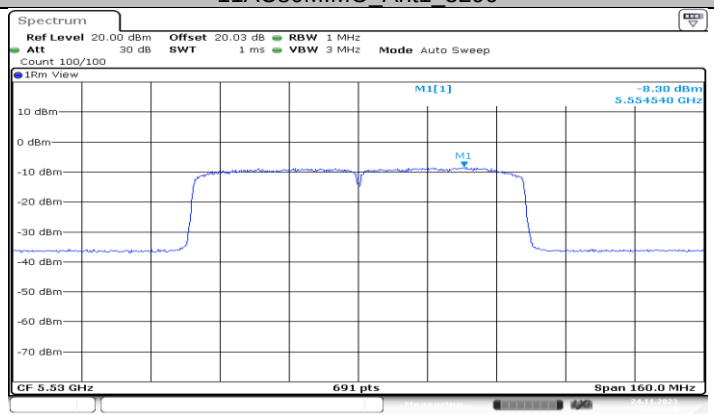
11N40MIMO_Ant0_5795

11N40MIMO_Ant1_5795

11AC80MIMO_Ant0_5210

11AC80MIMO_Ant1_5210



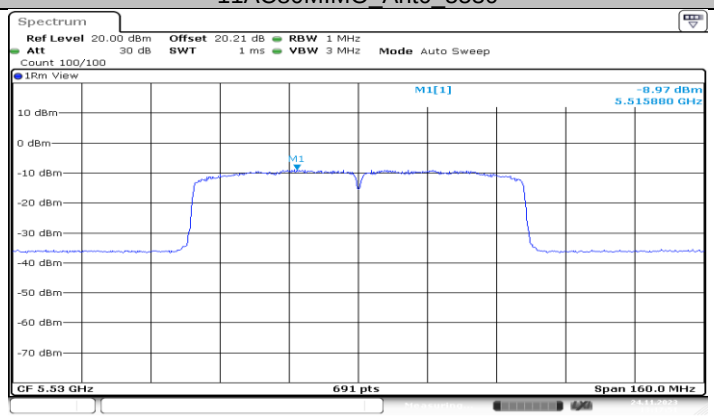
11AC80MIMO_Ant0_5290



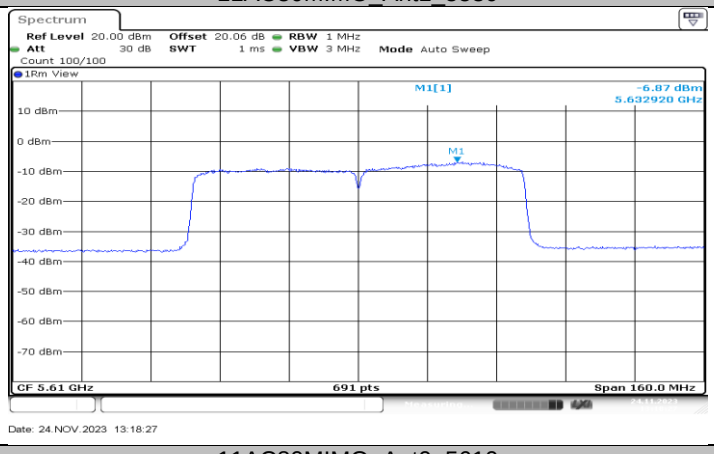
11AC80MIMO_Ant1_5290



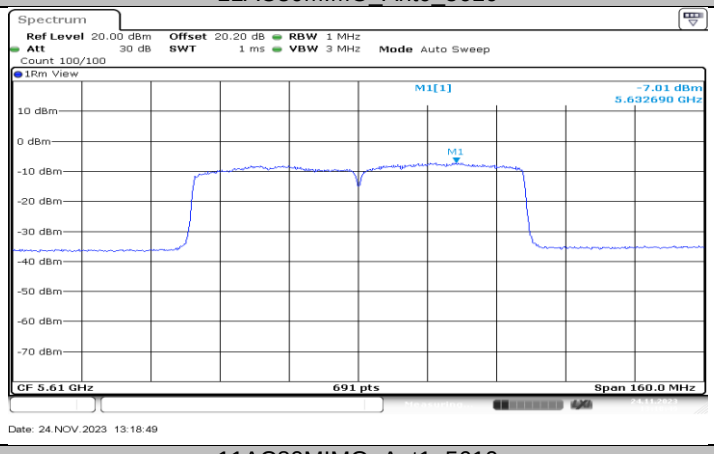
11AC80MIMO_Ant0_5530



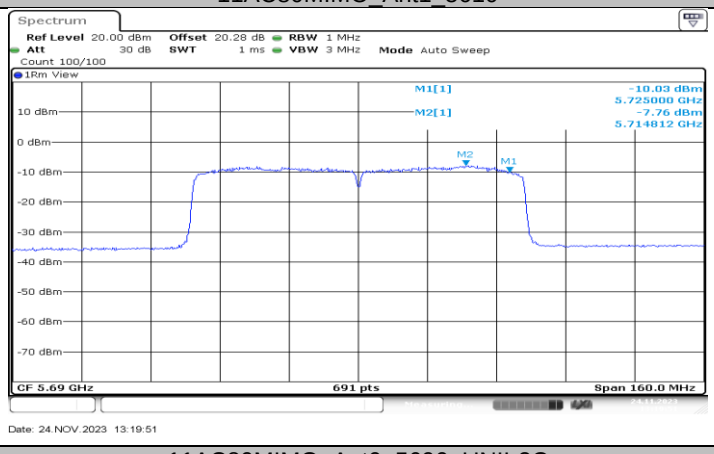
11AC80MIMO_Ant1_5530



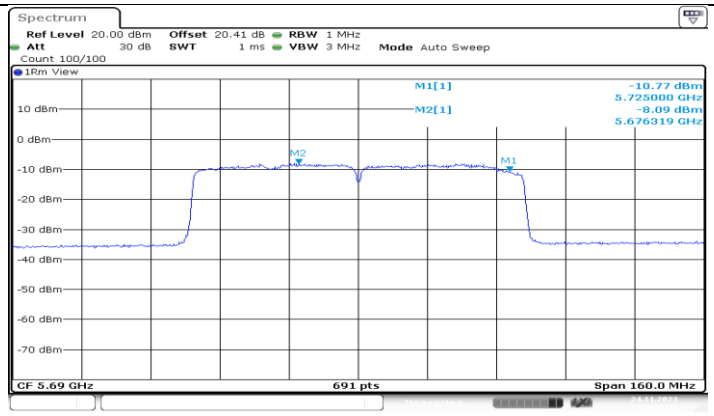
11AC80MIMO_Ant0_5610



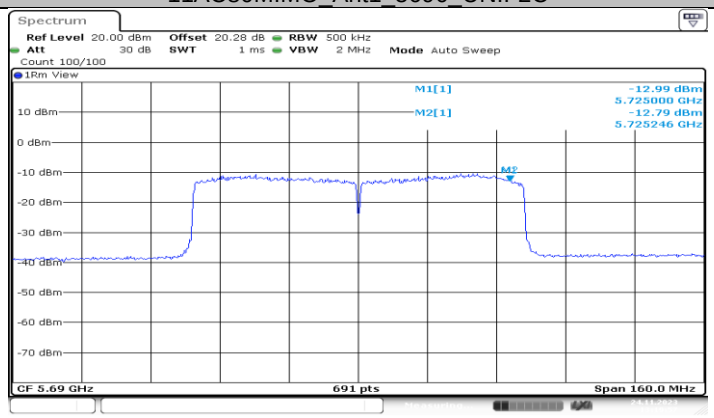
11AC80MIMO_Ant1_5610



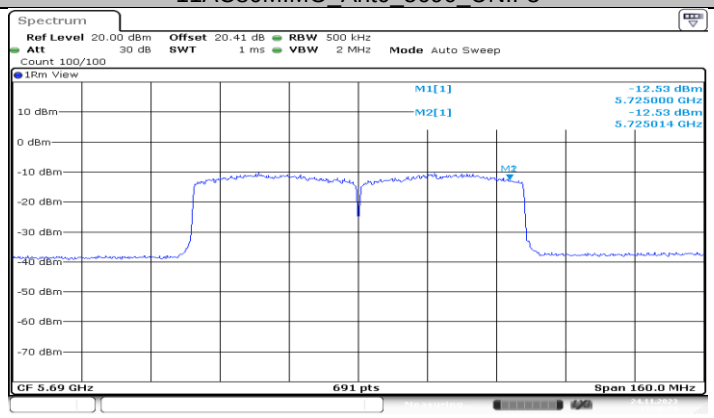
11AC80MIMO_Ant0_5690_UNII-2C



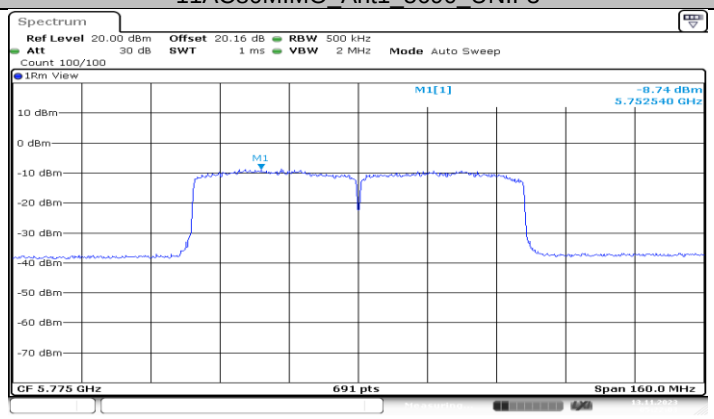
11AC80MIMO_Ant1_5690_UNII-2C

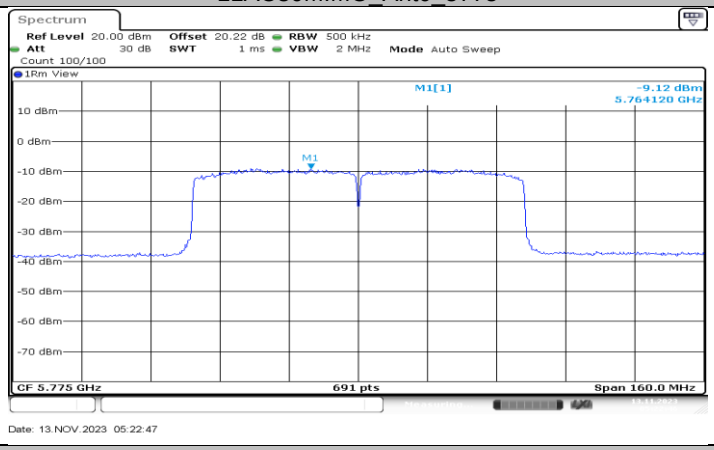


11AC80MIMO_Ant0_5690_UNII-3



11AC80MIMO_Ant1_5690_UNII-3



11AC80MIMO_Ant0_5775

11AC80MIMO_Ant1_5775

11.5. APPENDIX F: FREQUENCY STABILITY

11.5.1. 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	5200.0058	1.11	5200.0026	0.49	5200.0055	1.06	5200.0139	2.68
TN	VN	5199.9903	-1.87	5199.9832	-3.23	5200.0002	0.03	5200.0244	4.68
TN	VH	5199.9777	-4.28	5200.0117	2.24	5199.9768	-4.47	5200.0047	0.90
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)
70	VN	5199.9958	-0.81	5200.0205	3.94	5199.9852	-2.84	5200.0243	4.67
60	VN	5199.9969	-0.59	5200.0143	2.74	5200.0060	1.16	5200.0221	4.24
50	VN	5200.0058	1.12	5199.9791	-4.02	5199.9808	-3.69	5200.0085	1.63
40	VN	5199.9825	-3.36	5199.9830	-3.27	5200.0207	3.97	5200.0020	0.38
30	VN	5199.9976	-0.46	5199.9895	-2.01	5200.0150	2.88	5200.0003	0.05
20	VN	5199.9996	-0.08	5200.0231	4.45	5199.9858	-2.73	5200.0081	1.55
10	VN	5199.9942	-1.11	5199.9895	-2.01	5200.0185	3.57	5199.9812	-3.62
0	VN	5200.0155	2.98	5200.0064	1.22	5200.0114	2.18	5200.0222	4.27

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.

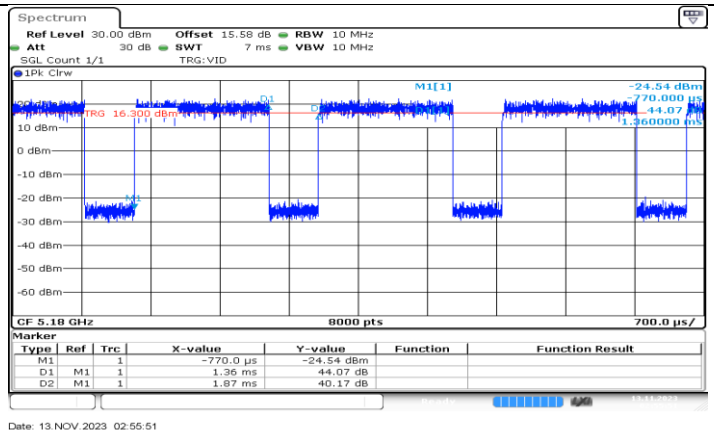
11.6. APPENDIX G: DUTY CYCLE

11.6.1. Test Result

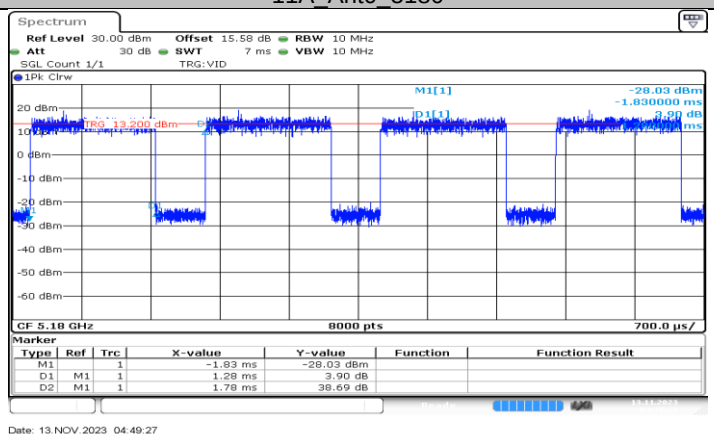
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.36	1.87	0.7273	72.73	1.38	0.74	1
11N20MIMO	1.28	1.78	0.7191	71.91	1.43	0.78	1
11N40MIMO	0.63	1.13	0.5575	55.75	2.54	1.59	2
11AC80MIMO	0.31	0.82	0.3780	37.80	4.22	3.23	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.

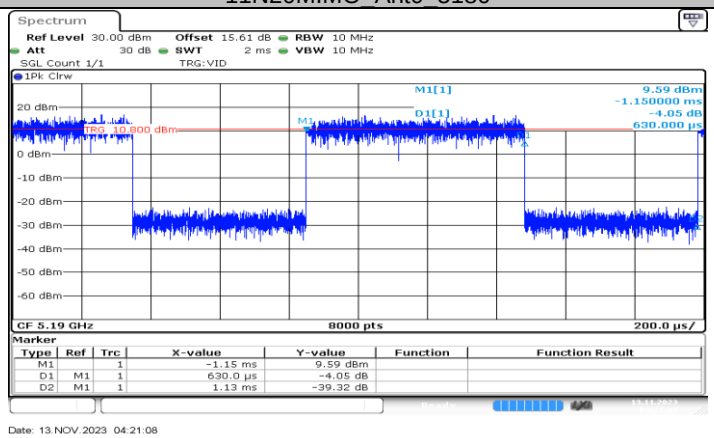
11.6.2. Test Graphs



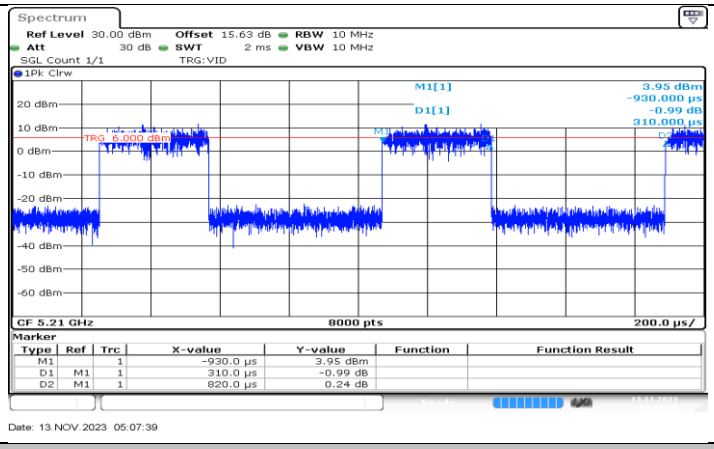
11A_Ant0_5180



11N20MIMO_Ant0_5180



11N40MIMO_Ant0_5190



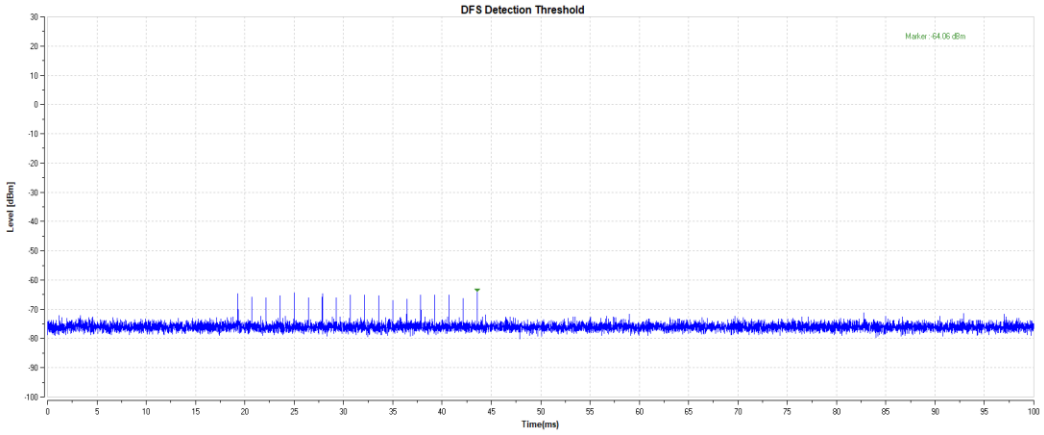
11AC80MIMO_Ant0_5210

11.7. APPENDIX H: DFS DETECTION THRESHOLDS

11.7.1. Test Result

Test Mode	Frequency[MHz]	Radar Type	Result	Verdict
11AC80MIMO	5290	Type0	-64.06	PASS

11.7.1. Test Graphs



11AC80MIMO_5290_Type0

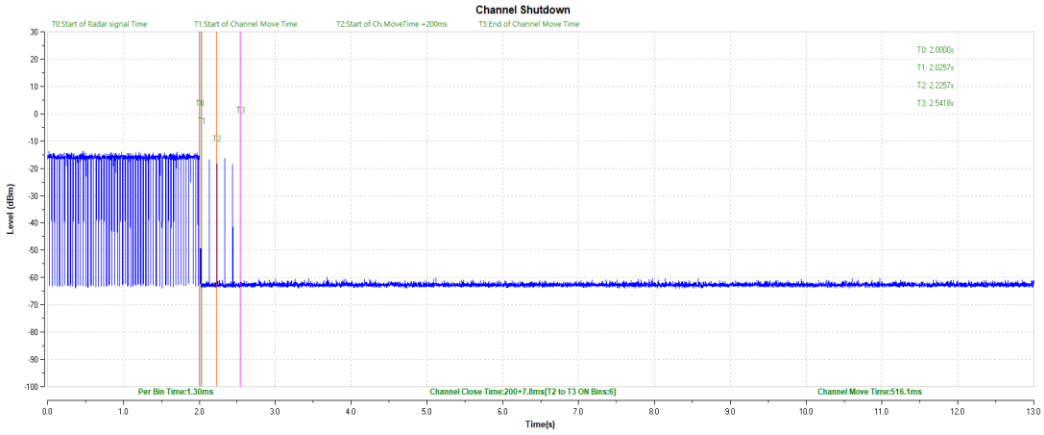
11.8. APPENDIX I: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.8.1. Test Result

Test Mode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5290	200+7.8	200+60	516.1	10000	PASS

Note: All modes have been tested, only the worst data recorded in the report.

11.8.1. Test Graphs



11AC80MIMO_5290

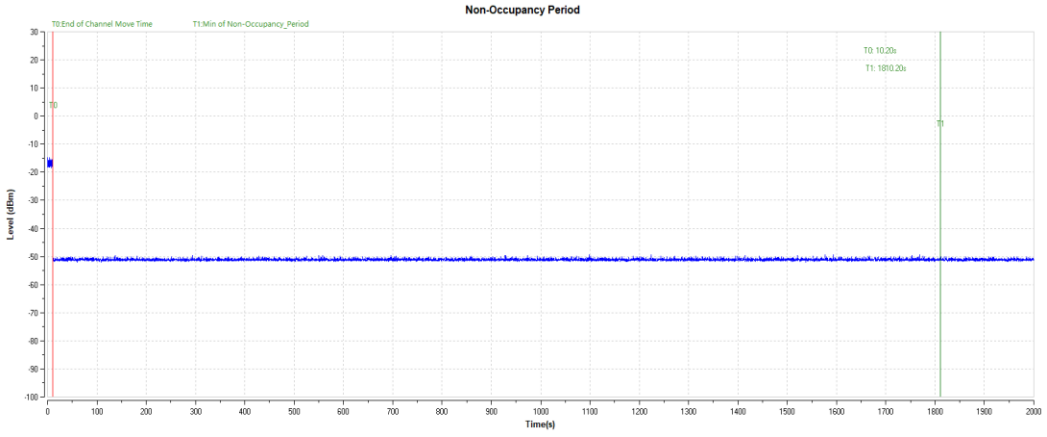
11.9. APPENDIX J: NON-OCCUPANCY PERIOD

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80MIMO	5290	see test graph	≥1800	PASS

Note: All modes have been tested, only the worst data recorded in the report.

11.9.1. Test Graphs



11AC80MIMO_5290

END OF REPORT