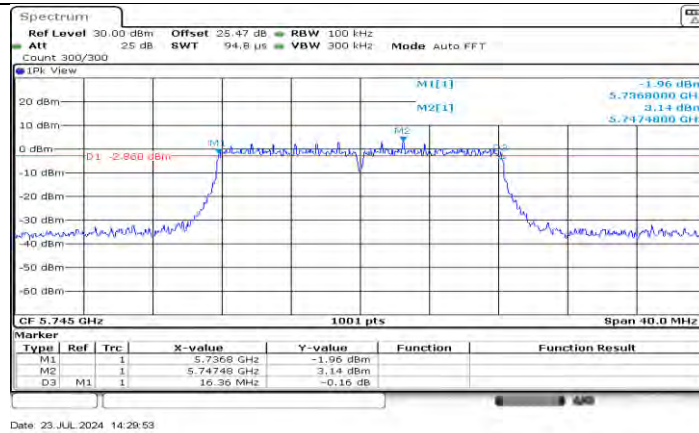
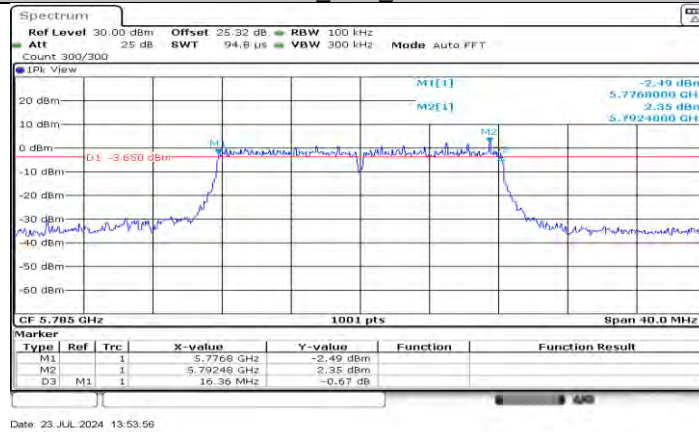
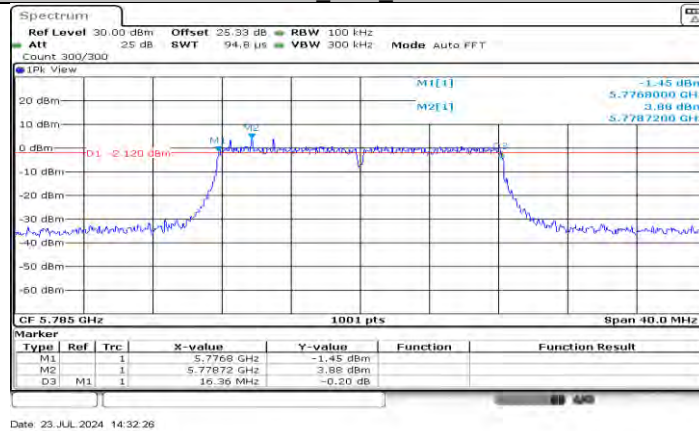




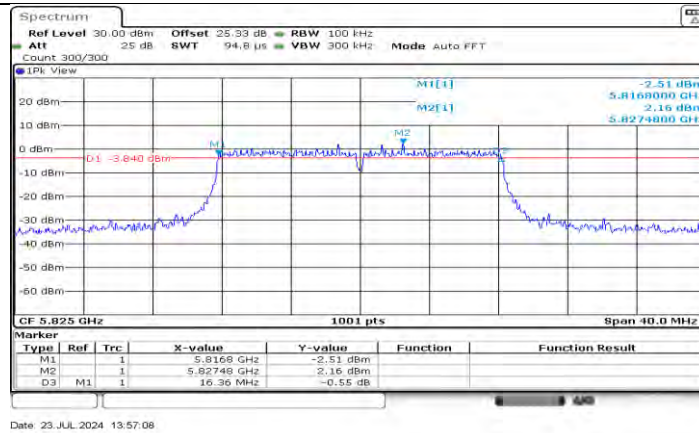
11A_Ant2_5745



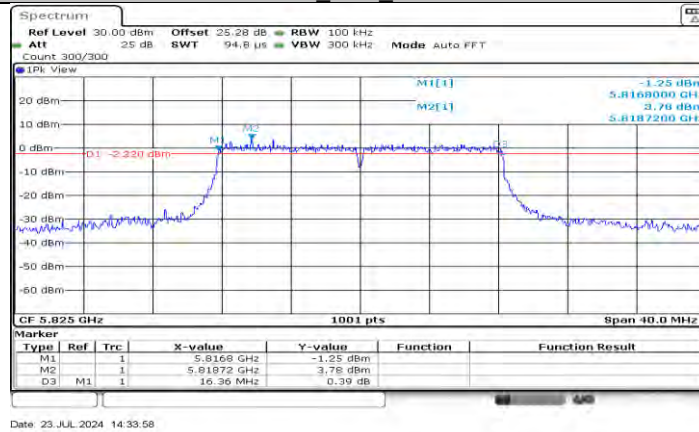
11A_Ant1_5785



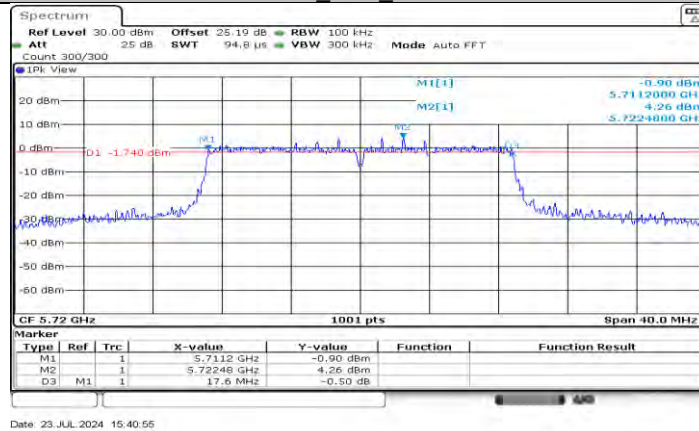
11A_Ant2_5785



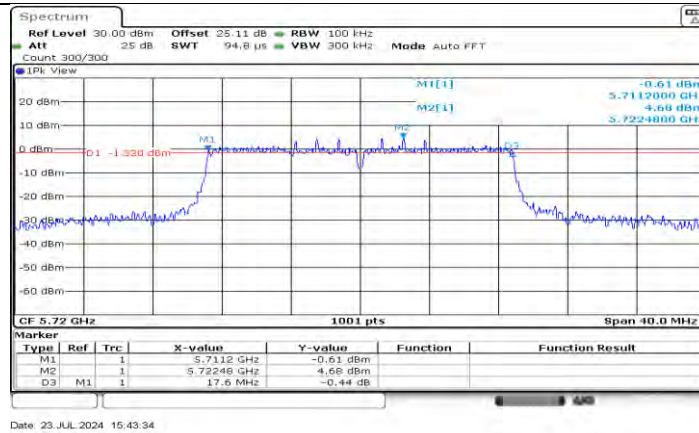
11A_Ant1_5825



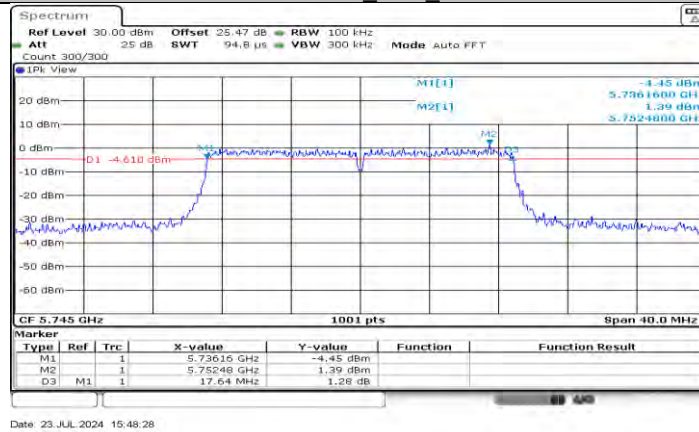
11A_Ant2_5825



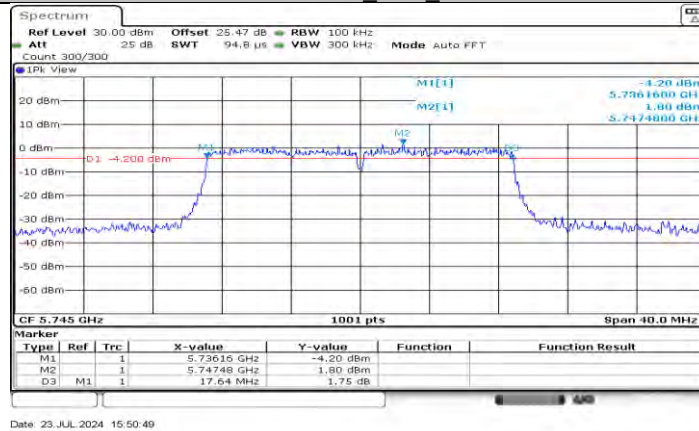
11N20MIMO_Ant1_5720



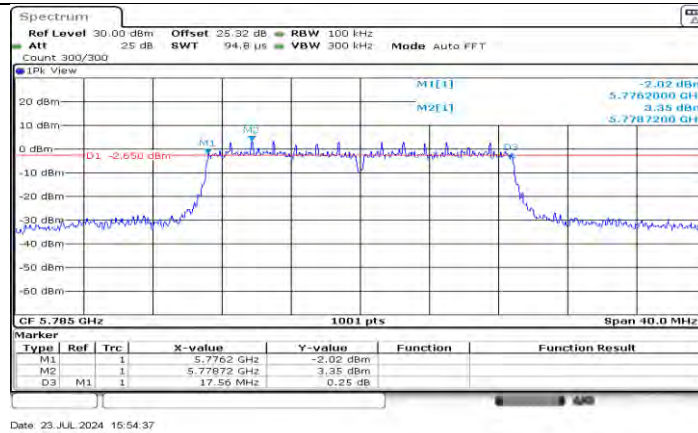
11N20MIMO_Ant2_5720



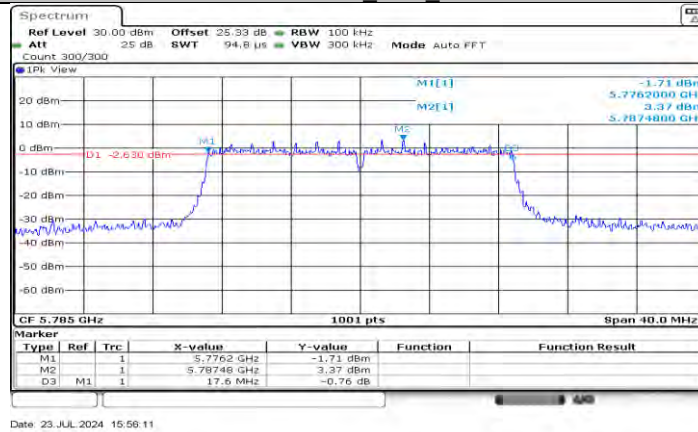
11N20MIMO_Ant1_5745



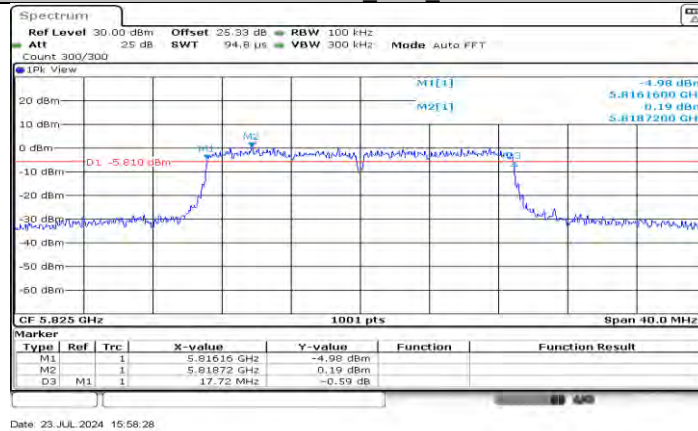
11N20MIMO_Ant2_5745



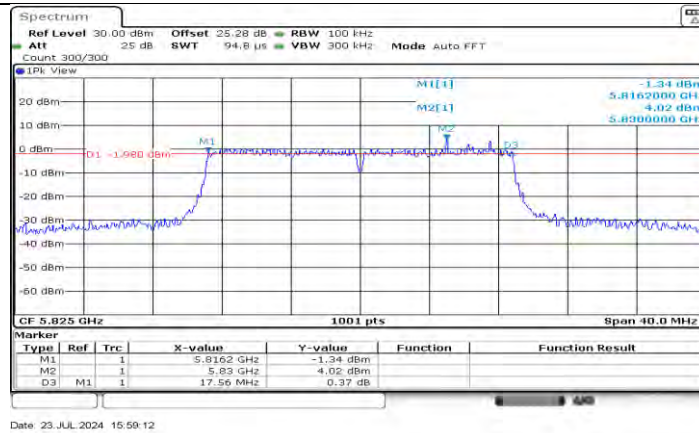
11N20MIMO_Ant1_5785



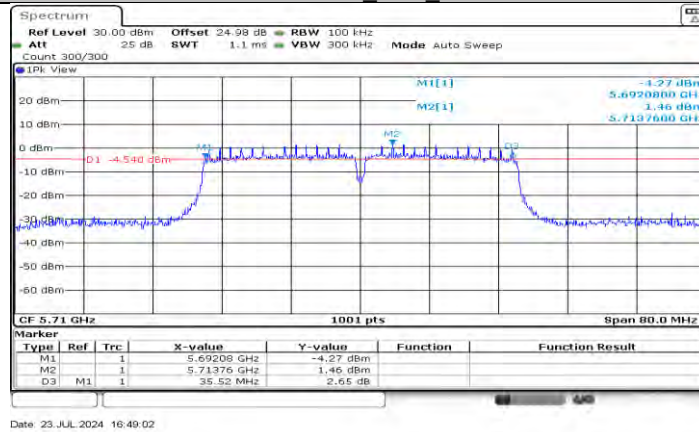
11N20MIMO_Ant2_5785



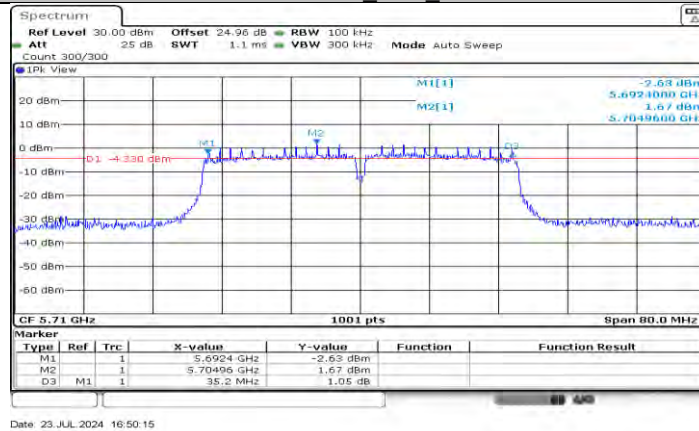
11N20MIMO_Ant1_5825



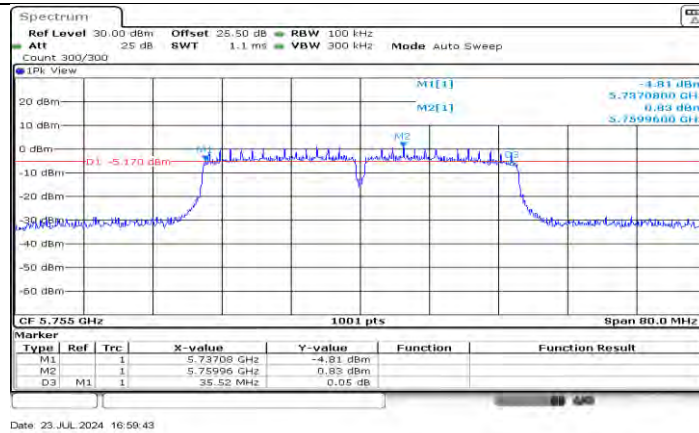
11N20MIMO_Ant2_5825



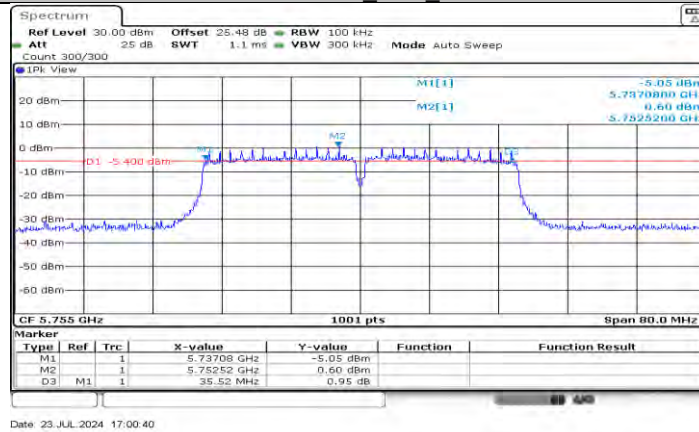
11N40MIMO_Ant1_5710



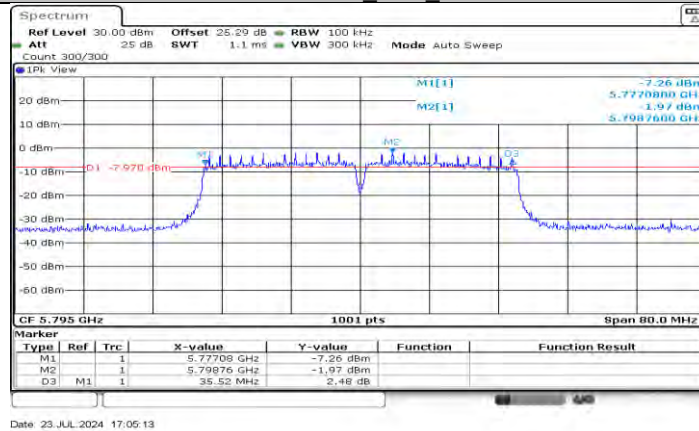
11N40MIMO_Ant2_5710



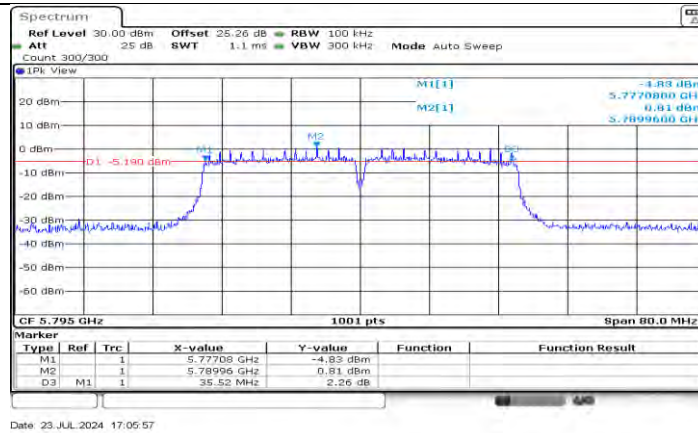
11N40MIMO_Ant1_5755



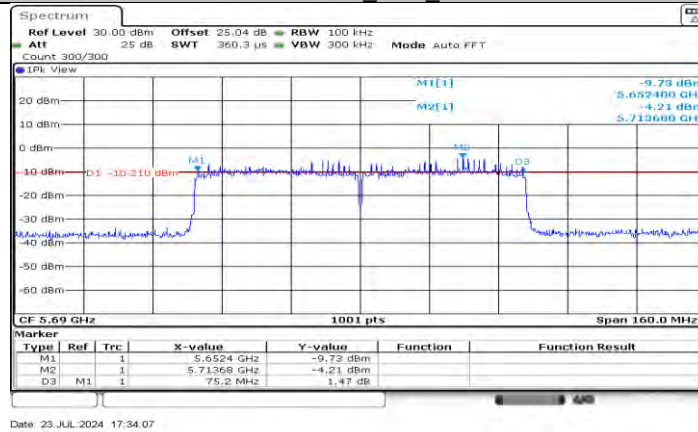
11N40MIMO_Ant2_5755



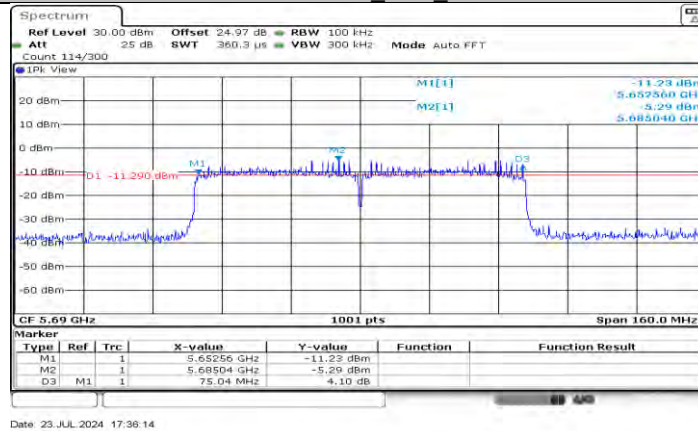
11N40MIMO_Ant1_5795



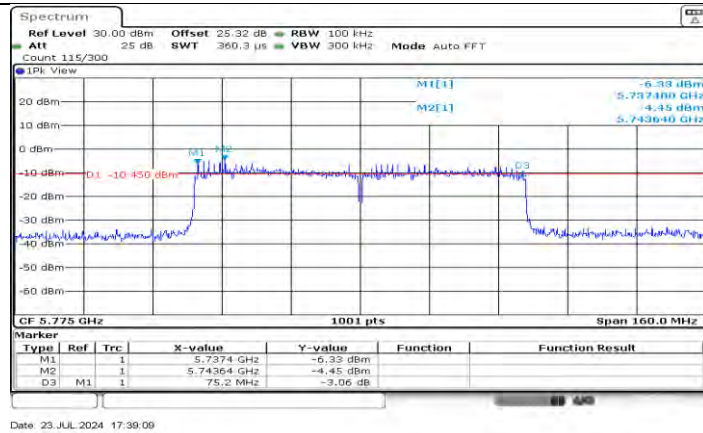
11N40MIMO_Ant2_5795



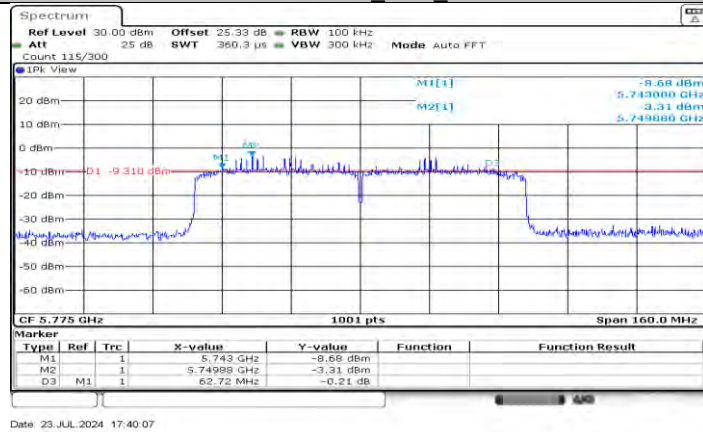
11AC80MIMO_Ant1_5690



11AC80MIMO_Ant2_5690



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	15.17	≤23.98	---	18.56	≤22.23	PASS
	Ant2	5180	15.16	≤23.98	---	17.96	≤22.26	PASS
	Ant1	5200	15.21	≤23.98	---	18.60	≤22.23	PASS
	Ant2	5200	15.13	≤23.98	---	17.93	≤22.24	PASS
	Ant1	5240	15.47	≤23.98	---	18.86	≤22.24	PASS
	Ant2	5240	15.09	≤23.98	---	17.89	≤22.24	PASS
	Ant1	5260	15.59	≤23.74	≤23.24	18.98	≤29.74	PASS
	Ant2	5260	15.01	≤23.81	≤23.24	17.81	≤29.81	PASS
	Ant1	5280	15.56	≤23.81	≤23.25	18.95	≤29.81	PASS
	Ant2	5280	15.08	≤23.79	≤23.24	17.88	≤29.79	PASS
	Ant1	5320	15.62	≤23.80	≤23.25	19.01	≤29.80	PASS
	Ant2	5320	15.13	≤23.79	≤23.23	17.93	≤29.79	PASS
	Ant1	5500	12.64	≤23.95	≤23.30	16.03	≤29.95	PASS
	Ant2	5500	15.10	≤23.81	≤23.25	17.90	≤29.81	PASS
	Ant1	5580	12.88	≤23.81	≤23.23	16.27	≤29.81	PASS
	Ant2	5580	14.95	≤23.77	≤23.23	17.75	≤29.77	PASS
	Ant1	5700	12.45	≤23.81	≤23.24	15.84	≤29.81	PASS
	Ant2	5700	15.04	≤23.76	≤23.24	17.84	≤29.76	PASS
	Ant1	5720 UNII-2C	12.85	≤22.57	≤22.26	16.24	≤28.57	PASS
	Ant2	5720 UNII-2C	14.88	≤22.62	≤22.27	17.68	≤28.62	PASS
	Ant1	5720 UNII-3	5.39	≤30.00	≤30.00	8.78	---	PASS
	Ant2	5720 UNII-3	7.57	≤30.00	≤30.00	10.37	---	PASS
	Ant1	5745	15.22	≤30.00	≤30.00	18.61	---	PASS
	Ant2	5745	15.17	≤30.00	≤30.00	17.97	---	PASS
	Ant1	5785	15.11	≤30.00	≤30.00	18.50	---	PASS
	Ant2	5785	15.21	≤30.00	≤30.00	18.01	---	PASS
	Ant1	5825	15.06	≤30.00	≤30.00	18.45	---	PASS
	Ant2	5825	15.23	≤30.00	≤30.00	18.03	---	PASS
11N20MIMO	Ant1	5180	11.53	≤23.98	---	14.92	≤22.50	PASS
	Ant2	5180	11.74	≤23.98	---	14.54	≤22.51	PASS
	total	5180	14.65	≤23.98	---	18.04	≤22.50	PASS
	Ant1	5200	11.76	≤23.98	---	15.15	≤22.51	PASS
	Ant2	5200	11.58	≤23.98	---	14.38	≤22.51	PASS
	total	5200	14.68	≤23.98	---	18.07	≤22.51	PASS
	Ant1	5240	11.88	≤23.98	---	15.27	≤22.51	PASS
	Ant2	5240	10.96	≤23.98	---	13.76	≤22.50	PASS
	total	5240	14.45	≤23.98	---	17.84	≤22.50	PASS
	Ant1	5260	15.07	≤23.98	≤23.52	18.46	≤29.52	PASS
	Ant2	5260	15.04	≤23.98	≤23.51	17.84	≤29.51	PASS
	total	5260	18.07	≤23.98	≤23.51	21.46	≤29.51	PASS
	Ant1	5280	15.14	≤23.98	≤23.53	18.53	≤29.53	PASS
	Ant2	5280	15.01	≤23.95	≤23.52	17.81	≤29.52	PASS
	total	5280	18.09	≤23.98	≤23.52	21.48	≤29.52	PASS
	Ant1	5320	15.30	≤23.98	≤23.53	18.69	≤29.53	PASS
	Ant2	5320	15.10	≤23.98	≤23.51	17.90	≤29.51	PASS
	total	5320	18.21	≤23.98	≤23.51	21.60	≤29.51	PASS
	Ant1	5500	13.20	≤23.98	≤23.55	16.59	≤29.55	PASS
	Ant2	5500	14.15	≤23.98	≤23.52	16.95	≤29.52	PASS
	total	5500	16.71	≤23.98	≤23.52	20.10	≤29.52	PASS
	Ant1	5580	13.16	≤23.98	≤23.52	16.55	≤29.52	PASS
	Ant2	5580	14.16	≤23.98	≤23.54	16.96	≤29.54	PASS
	total	5580	16.70	≤23.98	≤23.52	20.09	≤29.52	PASS
	Ant1	5700	13.17	≤23.98	≤23.52	16.56	≤29.52	PASS
	Ant2	5700	14.53	≤23.98	≤23.52	17.33	≤29.52	PASS

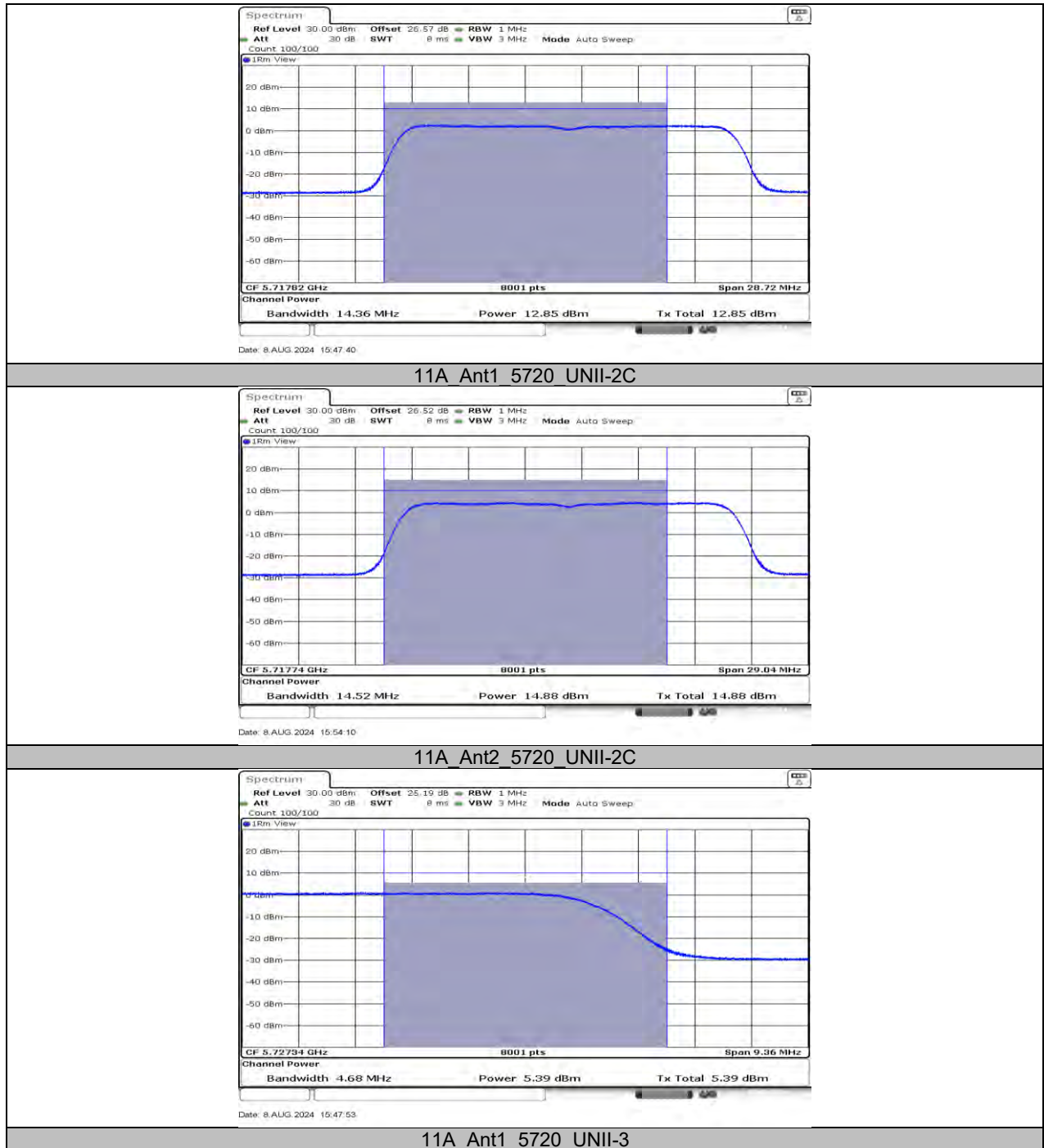
	total	5700	16.91	≤23.98	≤23.52	20.30	≤29.52	PASS
	Ant1	5720 UNII-2C	13.29	≤22.80	≤22.45	16.68	≤28.45	PASS
	Ant2	5720 UNII-2C	14.25	≤22.71	≤22.45	17.05	≤28.45	PASS
	total	5720 UNII-2C	16.81	≤23.98	≤22.45	20.20	≤29.98	PASS
	Ant1	5720 UNII-3	6.45	≤30.00	≤30.00	9.84	---	PASS
	Ant2	5720 UNII-3	7.43	≤30.00	≤30.00	10.23	---	PASS
	total	5720 UNII-3	9.98	≤30.00	≤30.00	13.37	---	PASS
	Ant1	5745	15.22	≤30.00	≤30.00	18.61	---	PASS
	Ant2	5745	15.09	≤30.00	≤30.00	17.89	---	PASS
	total	5745	18.17	≤30.00	≤30.00	21.56	---	PASS
	Ant1	5785	15.05	≤30.00	≤30.00	18.44	---	PASS
	Ant2	5785	15.12	≤30.00	≤30.00	17.92	---	PASS
	total	5785	18.10	≤30.00	≤30.00	21.49	---	PASS
	Ant1	5825	15.17	≤30.00	≤30.00	18.56	---	PASS
	Ant2	5825	15.17	≤30.00	≤30.00	17.97	---	PASS
	total	5825	18.18	≤30.00	≤30.00	21.57	---	PASS
11N40MIMO	Ant1	5190	14.02	≤23.98	---	17.41	≤23.01	PASS
	Ant2	5190	14.24	≤23.98	---	17.04	≤23.01	PASS
	total	5190	17.14	≤23.98	---	20.53	≤23.01	PASS
	Ant1	5230	14.31	≤23.98	---	17.70	≤23.01	PASS
	Ant2	5230	14.21	≤23.98	---	17.01	≤23.01	PASS
	total	5230	17.27	≤23.98	---	20.66	≤23.01	PASS
	Ant1	5270	14.33	≤23.98	≤23.60	17.72	≤29.60	PASS
	Ant2	5270	16.61	≤23.98	≤23.60	19.41	≤29.60	PASS
	total	5270	18.63	≤23.98	≤23.60	22.02	≤29.60	PASS
	Ant1	5310	14.69	≤23.98	≤23.60	18.08	≤29.60	PASS
	Ant2	5310	16.81	≤23.98	≤23.60	19.61	≤29.60	PASS
	total	5310	18.89	≤23.98	≤23.60	22.28	≤29.60	PASS
	Ant1	5510	11.80	≤23.98	≤23.60	15.19	≤29.60	PASS
	Ant2	5510	12.30	≤23.98	≤23.60	15.10	≤29.60	PASS
	total	5510	15.07	≤23.98	≤23.60	18.46	≤29.60	PASS
	Ant1	5550	11.71	≤23.98	≤23.60	15.10	≤29.60	PASS
	Ant2	5550	12.46	≤23.98	≤23.60	15.26	≤29.60	PASS
	total	5550	15.11	≤23.98	≤23.60	18.50	≤29.60	PASS
	Ant1	5670	11.84	≤23.98	≤23.60	15.23	≤29.60	PASS
	Ant2	5670	12.42	≤23.98	≤23.60	15.22	≤29.60	PASS
	total	5670	15.15	≤23.98	≤23.60	18.54	≤29.60	PASS
	Ant1	5710 UNII-2C	11.82	≤23.98	≤23.60	15.21	≤29.60	PASS
	Ant2	5710 UNII-2C	12.61	≤23.98	≤23.60	15.41	≤29.60	PASS
	total	5710 UNII-2C	15.24	≤23.98	≤23.60	18.63	≤29.60	PASS
	Ant1	5710 UNII-3	-1.73	≤30.00	≤30.00	1.66	---	PASS
	Ant2	5710 UNII-3	-1.02	≤30.00	≤30.00	1.78	---	PASS
	total	5710 UNII-3	1.65	≤30.00	≤30.00	5.04	---	PASS
	Ant1	5755	15.02	≤30.00	≤30.00	18.41	---	PASS
	Ant2	5755	15.18	≤30.00	≤30.00	17.98	---	PASS
	total	5755	18.11	≤30.00	≤30.00	21.50	---	PASS
	Ant1	5795	15.13	≤30.00	≤30.00	18.52	---	PASS
	Ant2	5795	15.19	≤30.00	≤30.00	17.99	---	PASS
	total	5795	18.17	≤30.00	≤30.00	21.56	---	PASS
11AC80MIMO	Ant1	5210	13.22	≤23.98	---	16.61	≤23.01	PASS
	Ant2	5210	13.58	≤23.98	---	16.38	≤23.01	PASS
	total	5210	16.41	≤23.98	---	19.80	≤23.01	PASS
	Ant1	5290	13.23	≤23.98	≤23.60	16.62	≤29.60	PASS
	Ant2	5290	13.15	≤23.98	≤23.60	15.95	≤29.60	PASS
	total	5290	16.20	≤23.98	≤23.60	19.59	≤29.60	PASS
	Ant1	5530	10.17	≤23.98	≤23.60	13.56	≤29.60	PASS
	Ant2	5530	10.89	≤23.98	≤23.60	13.69	≤29.60	PASS
	total	5530	13.56	≤23.98	≤23.60	16.95	≤29.60	PASS
	Ant1	5610	10.13	≤23.98	≤23.60	13.52	≤29.60	PASS
	Ant2	5610	10.88	≤23.98	≤23.60	13.68	≤29.60	PASS

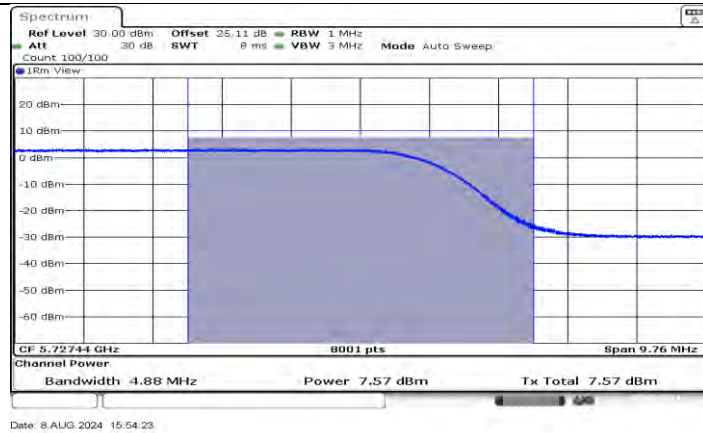
	total	5610	13.53	≤23.98	≤23.60	16.92	≤29.60	PASS
	Ant1	5690 UNII-2C	10.27	≤23.98	≤23.60	13.66	≤29.60	PASS
	Ant2	5690 UNII-2C	10.92	≤23.98	≤23.60	13.72	≤29.60	PASS
	total	5690 UNII-2C	13.62	≤23.98	≤23.60	17.01	≤29.60	PASS
	Ant1	5690 UNII-3	-8.52	≤30.00	≤30.00	-5.13	---	PASS
	Ant2	5690 UNII-3	-8.37	≤30.00	≤30.00	-5.57	---	PASS
	total	5690 UNII-3	-5.43	≤30.00	≤30.00	-2.04	---	PASS
	Ant1	5775	13.29	≤30.00	≤30.00	16.68	---	PASS
	Ant2	5775	13.22	≤30.00	≤30.00	16.02	---	PASS
	total	5775	16.27	≤30.00	≤30.00	19.66	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

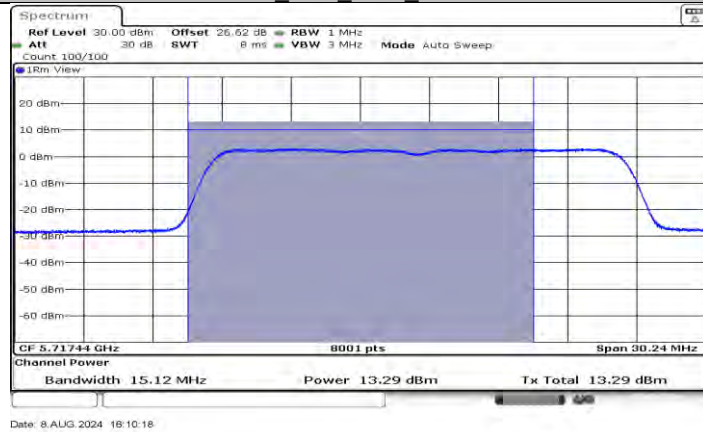
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

11.4.2. Test Graphs

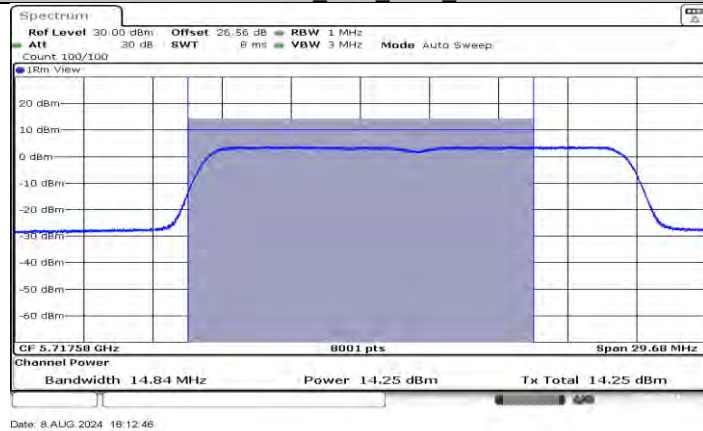




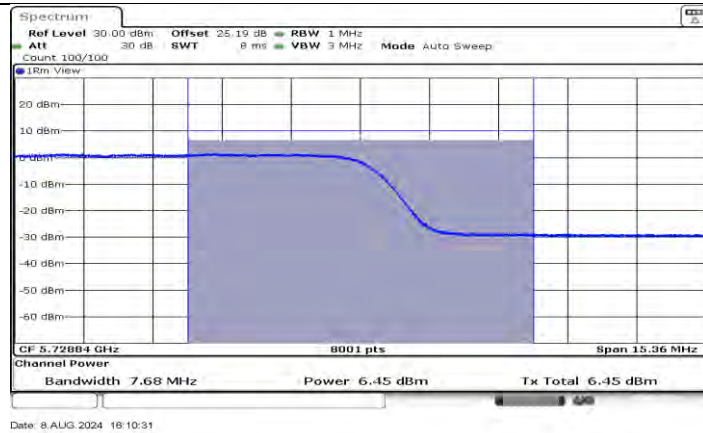
11A_Ant2_5720_UNII-3



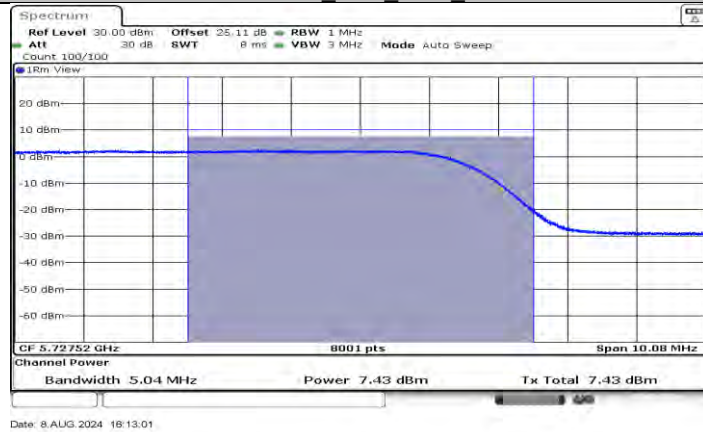
11N20MIMO_Ant1_5720_UNII-2C



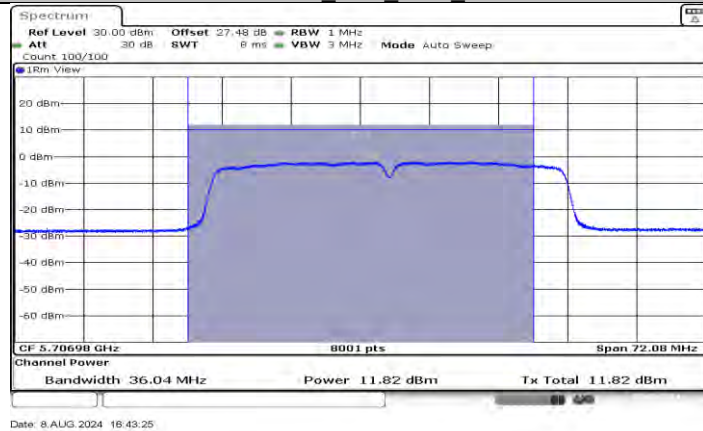
11N20MIMO_Ant2_5720_UNII-2C



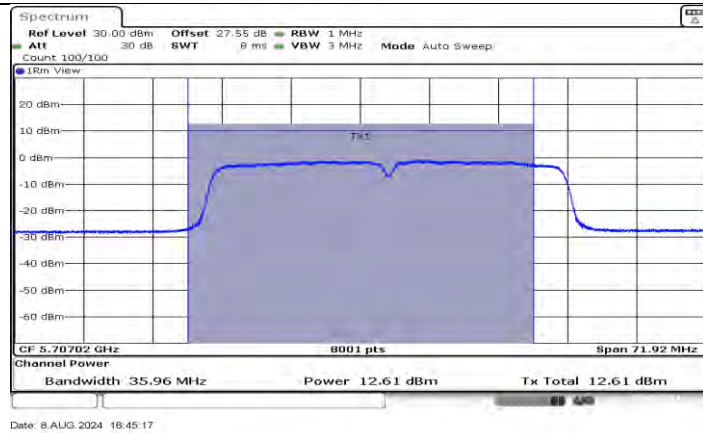
11N20MIMO_Ant1_5720_UNII-3



11N20MIMO_Ant2_5720_UNII-3



11N40MIMO_Ant1_5710_UNII-2C



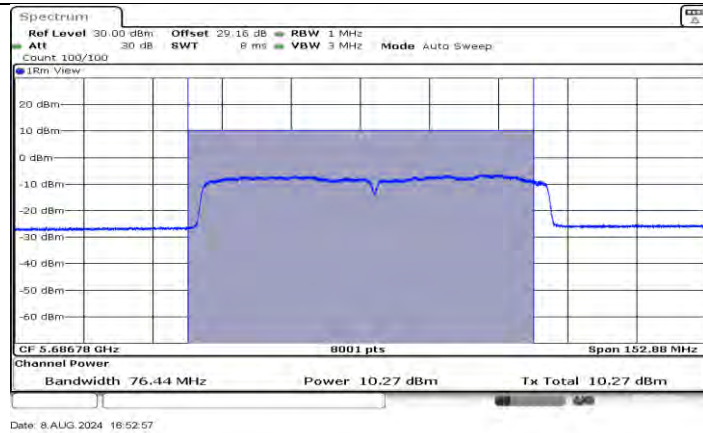
11N40MIMO_Ant2_5710_UNII-2C



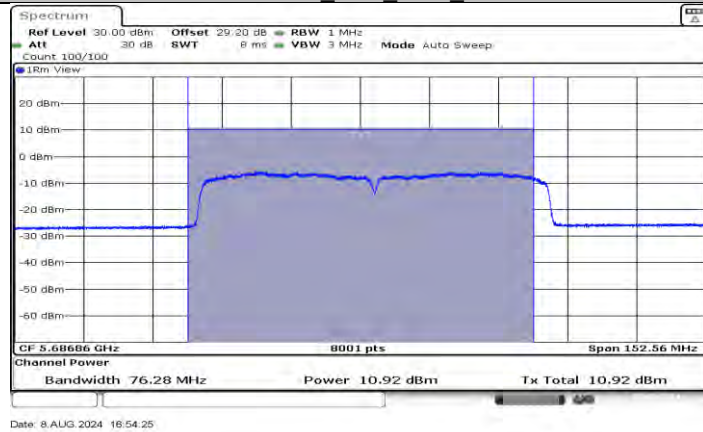
11N40MIMO_Ant1_5710_UNII-3



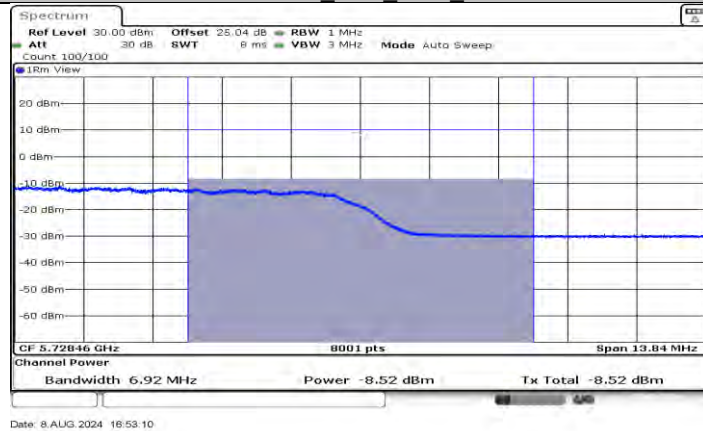
11N40MIMO_Ant2_5710_UNII-3



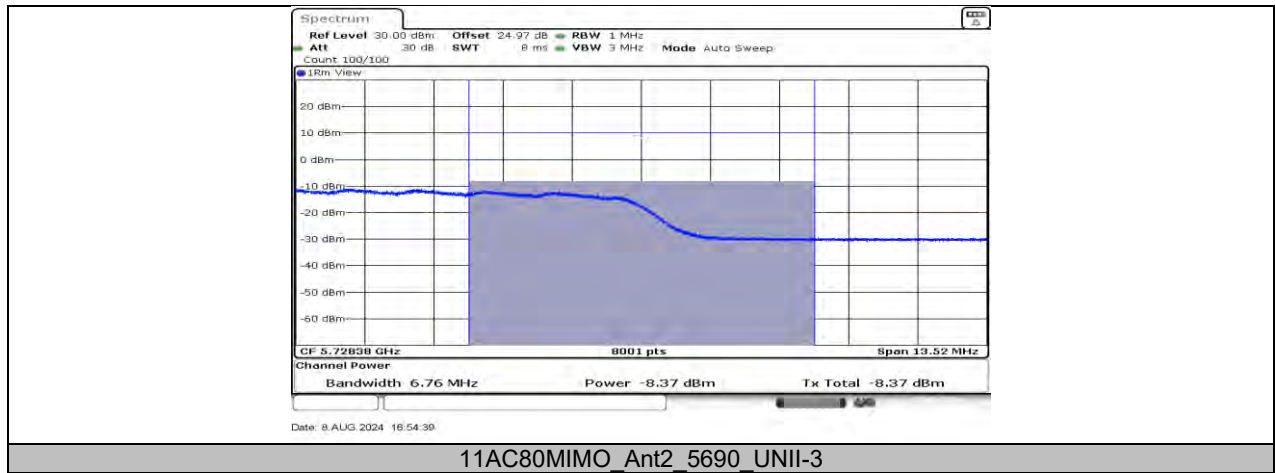
11AC80MIMO_Ant1_5690_UNII-2C



11AC80MIMO_Ant2_5690_UNII-2C



11AC80MIMO_Ant1_5690_UNII-3



11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

11.5.1. Test Result

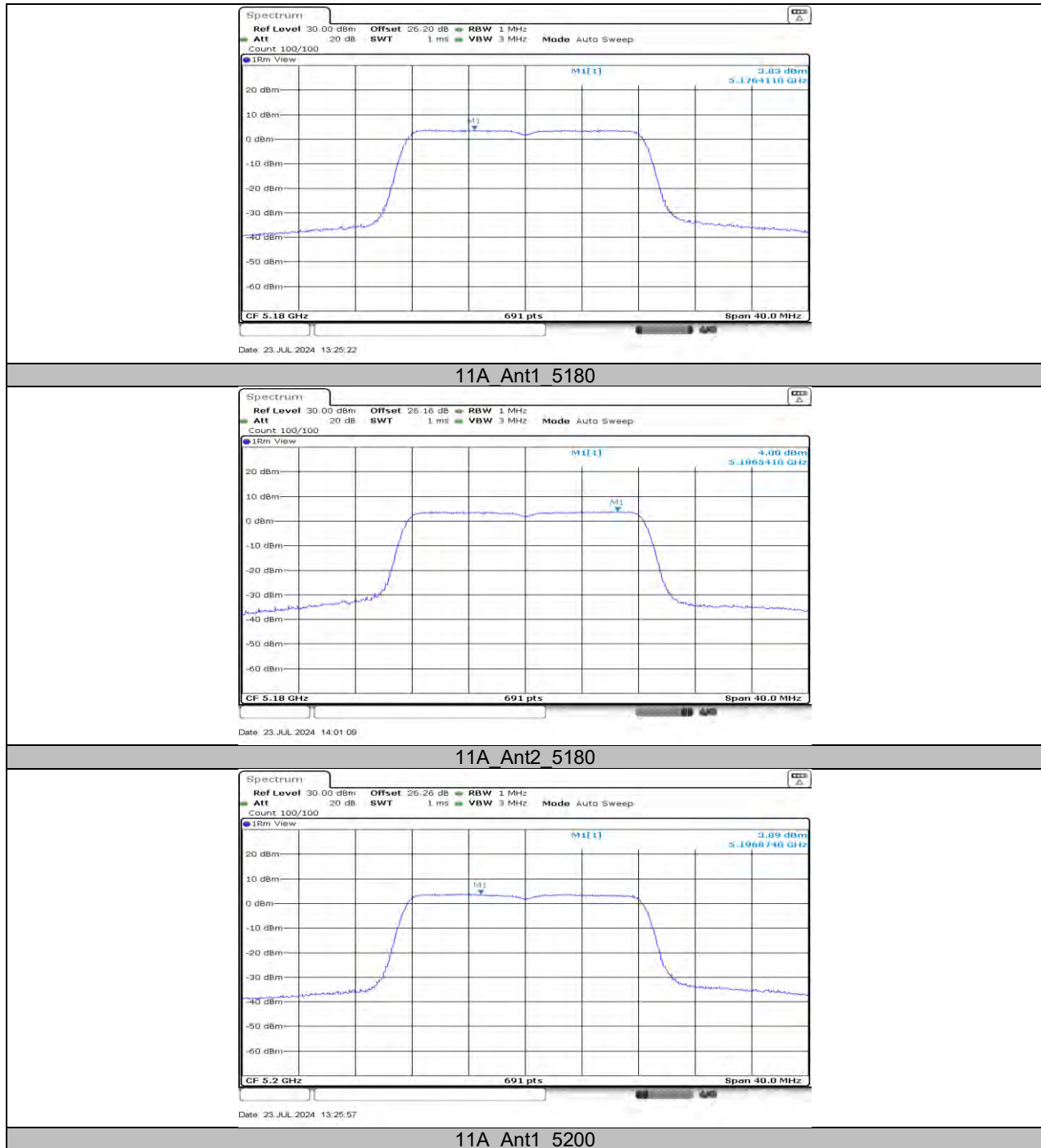
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.83	---	7.22	≤10.00	PASS
	Ant2	5180	4.00	---	6.80	≤10.00	PASS
	Ant1	5200	3.89	---	7.28	≤10.00	PASS
	Ant2	5200	3.86	---	6.66	≤10.00	PASS
	Ant1	5240	4.22	---	7.61	≤10.00	PASS
	Ant2	5240	3.77	---	6.57	≤10.00	PASS
	Ant1	5260	4.06	≤11.00	7.45	---	PASS
	Ant2	5260	3.72	≤11.00	6.52	---	PASS
	Ant1	5280	4.45	≤11.00	7.84	---	PASS
	Ant2	5280	3.82	≤11.00	6.62	---	PASS
	Ant1	5320	4.21	≤11.00	7.60	---	PASS
	Ant2	5320	3.98	≤11.00	6.78	---	PASS
	Ant1	5500	1.35	≤11.00	4.74	---	PASS
	Ant2	5500	3.64	≤11.00	6.44	---	PASS
	Ant1	5580	1.59	≤11.00	4.98	---	PASS
	Ant2	5580	5.02	≤11.00	7.82	---	PASS
	Ant1	5700	1.19	≤11.00	4.58	---	PASS
	Ant2	5700	3.58	≤11.00	6.38	---	PASS
	Ant1	5720 UNII-2C	2.38	≤11.00	5.77	---	PASS
	Ant2	5720 UNII-2C	4.46	≤11.00	7.26	---	PASS
	Ant1	5720 UNII-3	-0.47	≤30.00	2.92	---	PASS
	Ant2	5720 UNII-3	1.75	≤30.00	4.55	---	PASS
	Ant1	5745	1.07	≤30.00	4.46	---	PASS
	Ant2	5745	0.76	≤30.00	3.56	---	PASS
	Ant1	5785	0.67	≤30.00	4.06	---	PASS
	Ant2	5785	0.91	≤30.00	3.71	---	PASS
	Ant1	5825	0.82	≤30.00	4.21	---	PASS
	Ant2	5825	1.03	≤30.00	3.83	---	PASS
11N20MIMO	Ant1	5180	-0.13	---	3.26	≤10.00	PASS
	Ant2	5180	0.03	---	2.83	≤10.00	PASS
	total	5180	2.96	---	9.36	≤10.00	PASS
	Ant1	5200	0.02	---	3.41	≤10.00	PASS
	Ant2	5200	-0.04	---	2.76	≤10.00	PASS
	total	5200	3.00	---	9.40	≤10.00	PASS
	Ant1	5240	0.30	---	3.69	≤10.00	PASS
	Ant2	5240	-0.58	---	2.22	≤10.00	PASS
	total	5240	2.89	---	9.29	≤10.00	PASS
	Ant1	5260	3.39	≤11.00	6.78	---	PASS
	Ant2	5260	3.48	≤11.00	6.28	---	PASS
	total	5260	6.45	≤10.60	12.85	---	PASS
	Ant1	5280	3.58	≤11.00	6.97	---	PASS
	Ant2	5280	3.45	≤11.00	6.25	---	PASS
	total	5280	6.53	≤10.60	12.93	---	PASS
	Ant1	5320	3.79	≤11.00	7.18	---	PASS
	Ant2	5320	3.45	≤11.00	6.25	---	PASS
	total	5320	6.63	≤10.60	13.03	---	PASS
	Ant1	5500	1.63	≤11.00	5.02	---	PASS
	Ant2	5500	2.58	≤11.00	5.38	---	PASS
	total	5500	5.14	≤10.60	11.54	---	PASS
	Ant1	5580	1.64	≤11.00	5.03	---	PASS
	Ant2	5580	2.49	≤11.00	5.29	---	PASS
	total	5580	5.10	≤10.60	11.50	---	PASS
	Ant1	5700	1.53	≤11.00	4.92	---	PASS
	Ant2	5700	2.96	≤11.00	5.76	---	PASS
	total	5700	5.31	≤10.60	11.71	---	PASS

	Ant1	5720 UNII-2C	2.95	≤11.00	6.34	---	PASS
	Ant2	5720 UNII-2C	3.60	≤11.00	6.40	---	PASS
	total	5720 UNII-2C	6.30	≤10.60	12.70	---	PASS
	Ant1	5720 UNII-3	-0.24	≤30.00	3.15	---	PASS
	Ant2	5720 UNII-3	0.77	≤30.00	3.57	---	PASS
	total	5720 UNII-3	3.30	≤29.60	9.70	---	PASS
	Ant1	5745	0.79	≤30.00	4.18	---	PASS
	Ant2	5745	0.63	≤30.00	3.43	---	PASS
	total	5745	3.72	≤29.60	10.12	---	PASS
	Ant1	5785	0.44	≤30.00	3.83	---	PASS
	Ant2	5785	0.87	≤30.00	3.67	---	PASS
	total	5785	3.67	≤29.60	10.07	---	PASS
	Ant1	5825	0.43	≤30.00	3.82	---	PASS
	Ant2	5825	0.67	≤30.00	3.47	---	PASS
	total	5825	3.56	≤29.60	9.96	---	PASS
11N40MIMO	Ant1	5190	-0.23	---	3.16	≤10.00	PASS
	Ant2	5190	0.23	---	3.03	≤10.00	PASS
	total	5190	3.02	---	9.42	≤10.00	PASS
	Ant1	5230	-0.19	---	3.20	≤10.00	PASS
	Ant2	5230	-0.09	---	2.71	≤10.00	PASS
	total	5230	2.87	---	9.27	≤10.00	PASS
	Ant1	5270	0.08	≤11.00	3.47	---	PASS
	Ant2	5270	1.98	≤11.00	4.78	---	PASS
	total	5270	4.14	≤10.60	10.54	---	PASS
	Ant1	5310	0.00	≤11.00	3.39	---	PASS
	Ant2	5310	2.44	≤11.00	5.24	---	PASS
	total	5310	4.40	≤10.60	10.80	---	PASS
	Ant1	5510	-2.45	≤11.00	0.94	---	PASS
	Ant2	5510	-1.61	≤11.00	1.19	---	PASS
	total	5510	1.00	≤10.60	7.40	---	PASS
	Ant1	5550	-2.59	≤11.00	0.80	---	PASS
	Ant2	5550	-1.88	≤11.00	0.92	---	PASS
	total	5550	0.79	≤10.60	7.19	---	PASS
	Ant1	5670	-2.51	≤11.00	0.88	---	PASS
	Ant2	5670	-1.87	≤11.00	0.93	---	PASS
	total	5670	0.83	≤10.60	7.23	---	PASS
	Ant1	5710 UNII-2C	-1.89	≤11.00	1.50	---	PASS
	Ant2	5710 UNII-2C	-1.17	≤11.00	1.63	---	PASS
	total	5710 UNII-2C	1.50	≤10.60	7.90	---	PASS
	Ant1	5710 UNII-3	-6.05	≤30.00	-2.66	---	PASS
	Ant2	5710 UNII-3	-5.70	≤30.00	-2.90	---	PASS
	total	5710 UNII-3	-2.86	≤29.60	3.54	---	PASS
	Ant1	5755	-1.91	≤30.00	1.48	---	PASS
	Ant2	5755	-2.10	≤30.00	0.70	---	PASS
	total	5755	1.01	≤29.60	7.41	---	PASS
	Ant1	5795	-1.93	≤30.00	1.46	---	PASS
	Ant2	5795	-2.00	≤30.00	0.80	---	PASS
	total	5795	1.05	≤29.60	7.45	---	PASS
11AC80MIMO	Ant1	5210	-3.98	---	-0.59	≤10.00	PASS
	Ant2	5210	-3.60	---	-0.80	≤10.00	PASS
	total	5210	-0.78	---	5.62	≤10.00	PASS
	Ant1	5290	-3.73	≤11.00	-0.34	---	PASS
	Ant2	5290	-3.71	≤11.00	-0.91	---	PASS
	total	5290	-0.71	≤10.60	5.69	---	PASS
	Ant1	5530	-6.84	≤11.00	-3.45	---	PASS
	Ant2	5530	-6.26	≤11.00	-3.46	---	PASS
	total	5530	-3.53	≤10.60	2.87	---	PASS
	Ant1	5610	-6.98	≤11.00	-3.59	---	PASS
	Ant2	5610	-6.37	≤11.00	-3.57	---	PASS
	total	5610	-3.65	≤10.60	2.75	---	PASS

	Ant1	5690 UNII-2C	-6.31	≤11.00	-2.92	---	PASS
	Ant2	5690 UNII-2C	-5.89	≤11.00	-3.09	---	PASS
	total	5690 UNII-2C	-3.08	≤10.60	3.32	---	PASS
	Ant1	5690 UNII-3	-11.42	≤30.00	-8.03	---	PASS
	Ant2	5690 UNII-3	-11.29	≤30.00	-8.49	---	PASS
	total	5690 UNII-3	-8.34	≤29.60	-1.94	---	PASS
	Ant1	5775	-6.63	≤30.00	-3.24	---	PASS
	Ant2	5775	-6.82	≤30.00	-4.02	---	PASS
	total	5775	-3.71	≤29.60	2.69	---	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_Ant2_5200



11A_Ant1_5240



11A_Ant2_5240



11A_Ant1_5260



11A_Ant2_5260



11A_Ant1_5280



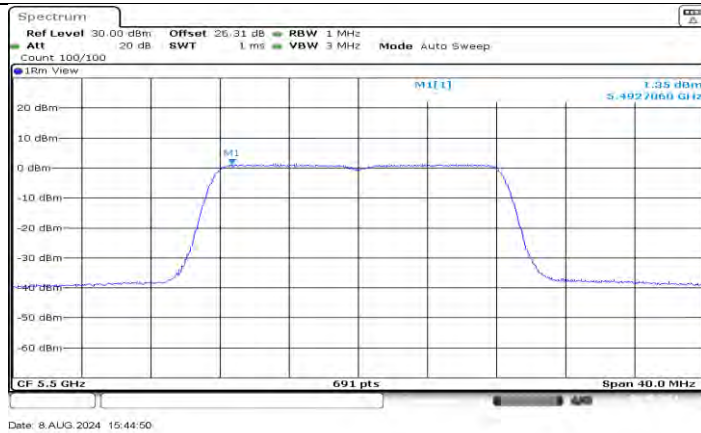
11A_Ant2_5280



11A_Ant1_5320



11A_Ant2_5320



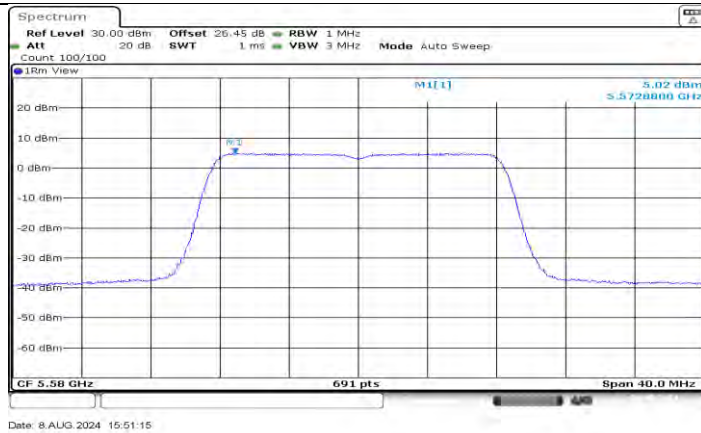
11A_Ant1_5500



11A_Ant2_5500



11A_Ant1_5580



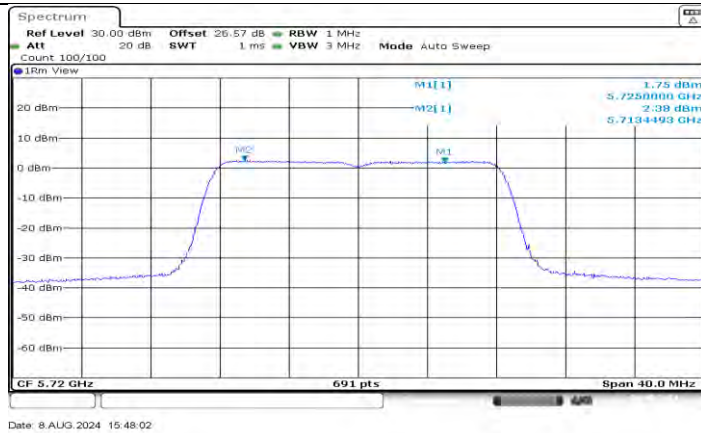
11A_Ant2_5580

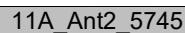
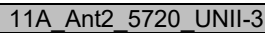


11A_Ant1_5700



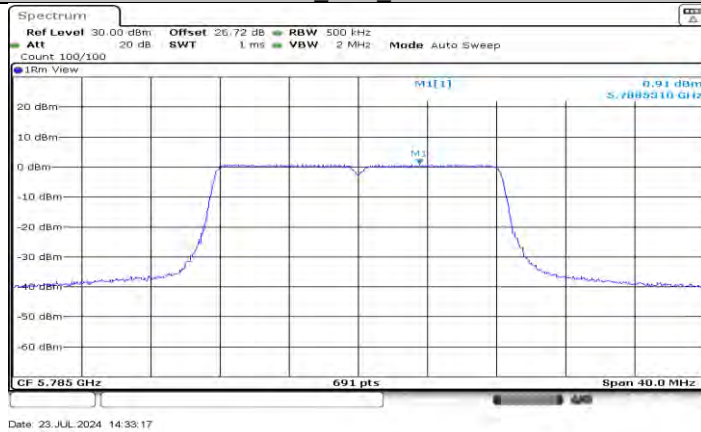
11A_Ant2_5700



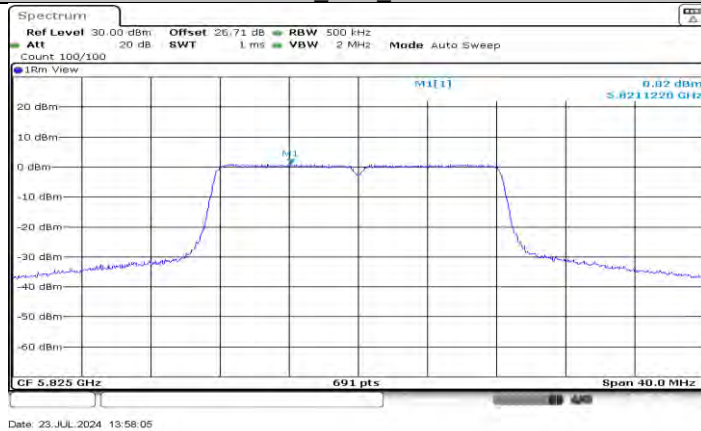




11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



11N20MIMO_Ant1_5260



11N20MIMO_Ant2_5260



11N20MIMO_Ant1_5280



11N20MIMO_Ant2_5280



11N20MIMO_Ant1_5320



11N20MIMO_Ant2_5320



11N20MIMO_Ant1_5500



11N20MIMO_Ant2_5500



11N20MIMO_Ant1_5580



11N20MIMO_Ant2_5580



11N20MIMO_Ant1_5700



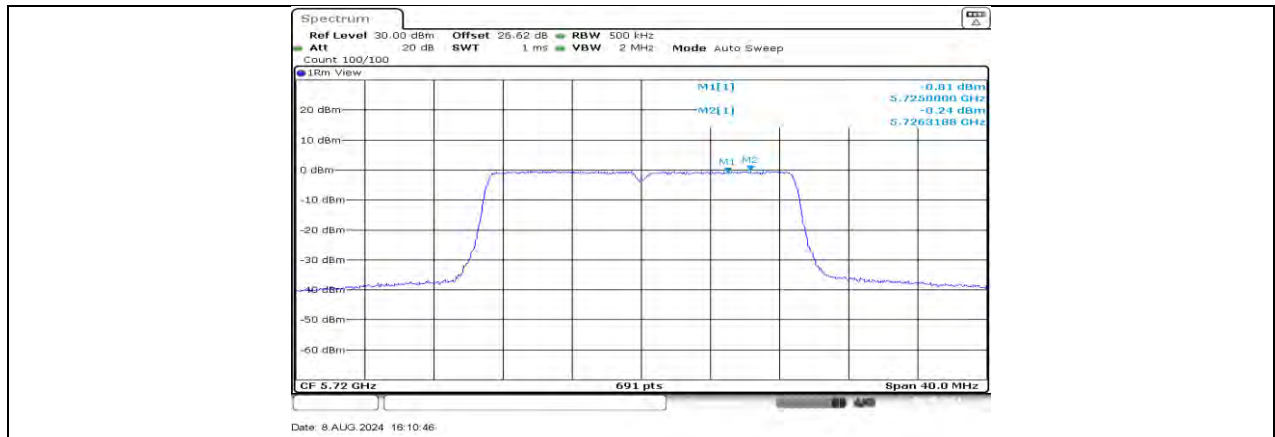
11N20MIMO_Ant2_5700



11N20MIMO_Ant1_5720_UNII-2C



11N20MIMO_Ant2_5720_UNII-2C



11N20MIMO_Ant1_5720_UNII-3



11N20MIMO_Ant2_5720_UNII-3



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



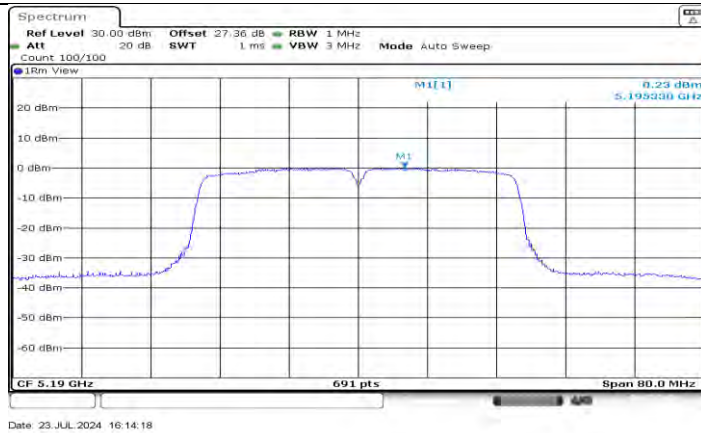
11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5270



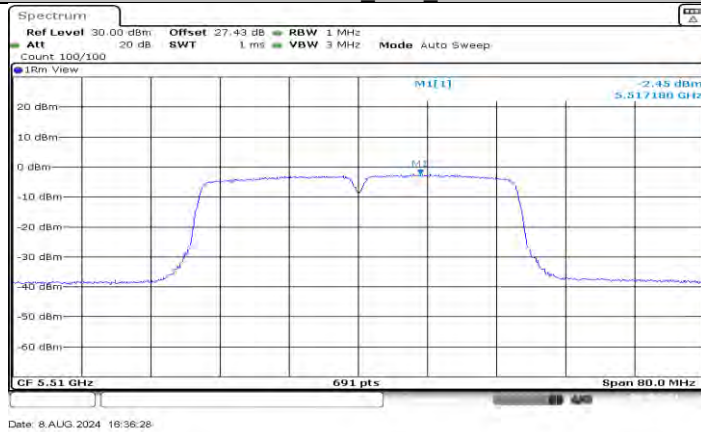
11N40MIMO_Ant2_5270



11N40MIMO_Ant1_5310



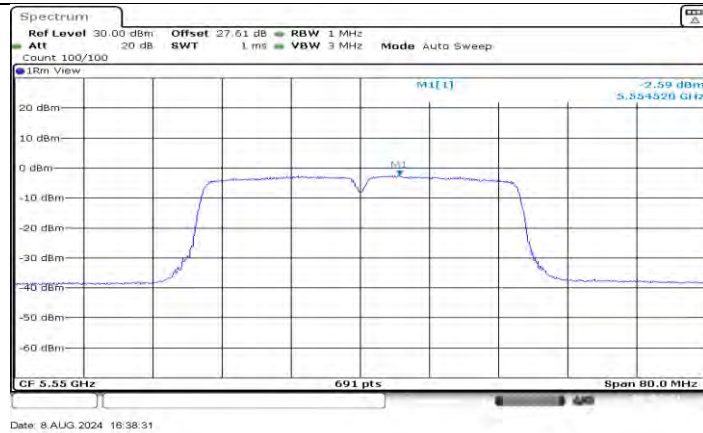
11N40MIMO_Ant2_5310



11N40MIMO_Ant1_5510



11N40MIMO_Ant2_5510



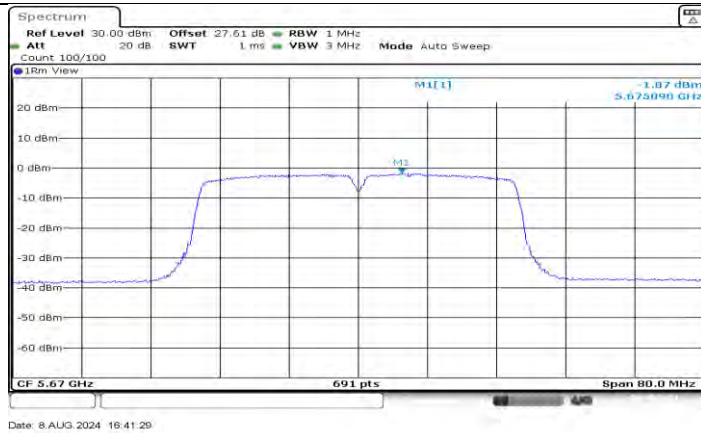
11N40MIMO_Ant1_5550



11N40MIMO_Ant2_5550



11N40MIMO_Ant1_5670



11N40MIMO_Ant2_5670



11N40MIMO_Ant1_5710_UNII-2C



11N40MIMO_Ant2_5710_UNII-2C



11N40MIMO_Ant1_5710_UNII-3



11N40MIMO_Ant2_5710_UNII-3



11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



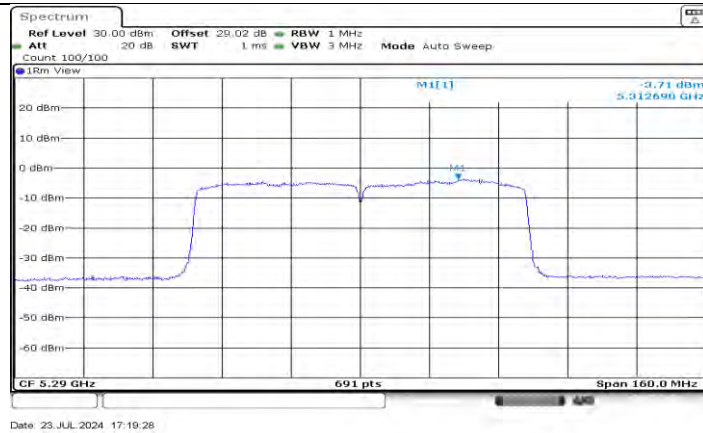
11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



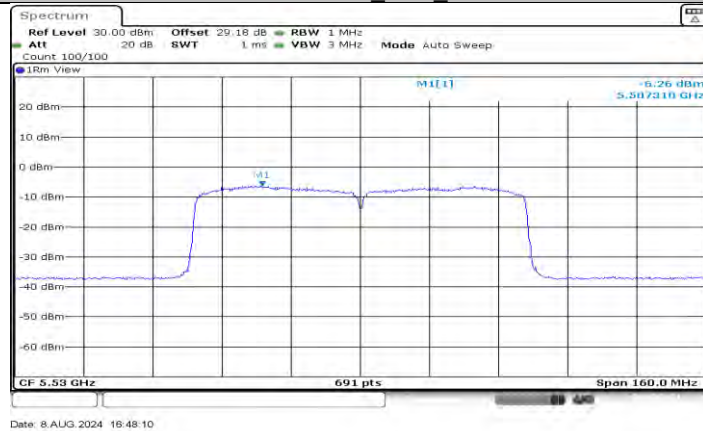
11AC80MIMO_Ant1_5290



11AC80MIMO_Ant2_5290

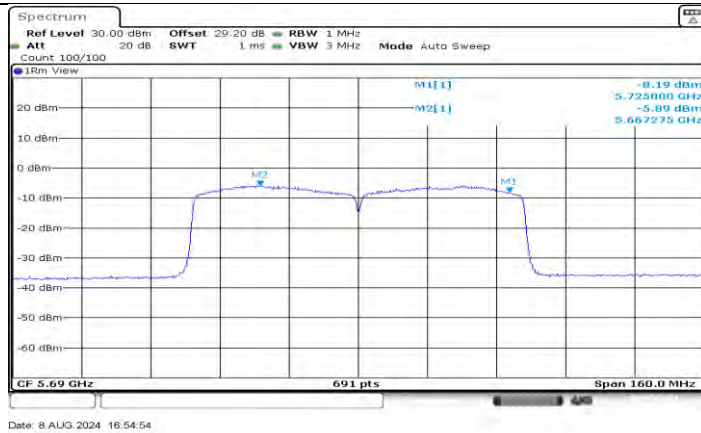


11AC80MIMO_Ant1_5530

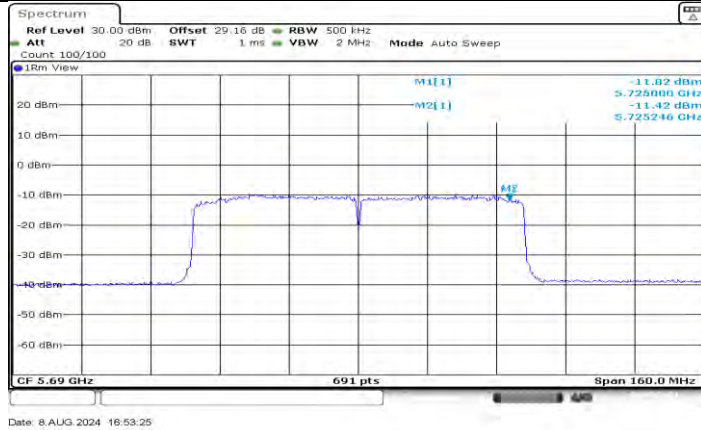


11AC80MIMO_Ant2_5530

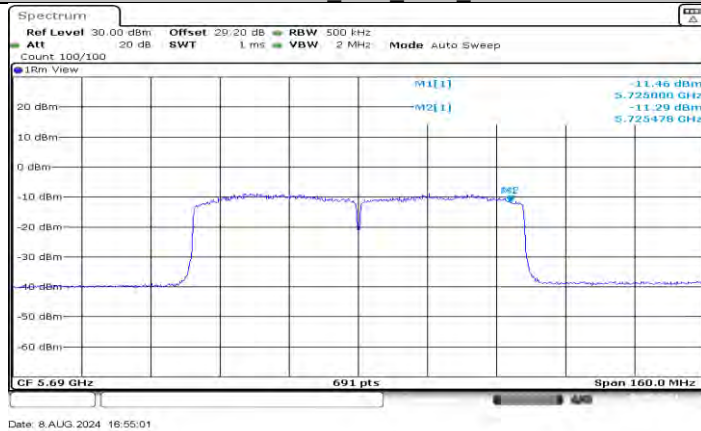




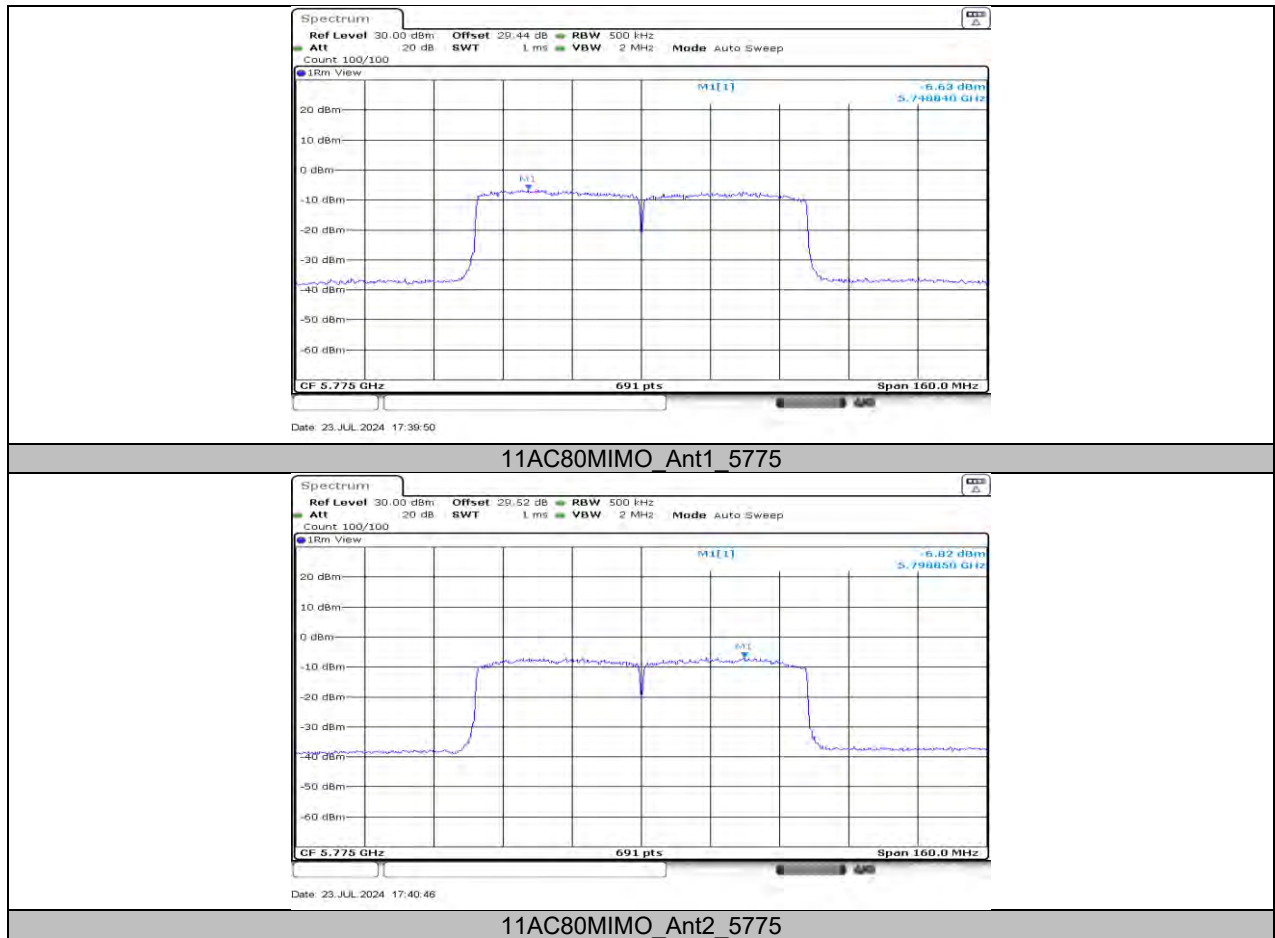
11AC80MIMO_Ant2_5690_UNII-2C



11AC80MIMO_Ant1_5690_UNII-3



11AC80MIMO_Ant2_5690_UNII-3



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	5200.0090	1.72	5199.9785	-4.14	5199.9842	-3.04	5199.9870	-2.51
TN	VN	5199.9795	-3.95	5199.9836	-3.15	5199.9880	-2.31	5199.9817	-3.52
TN	VH	5200.0222	4.28	5200.0165	3.17	5200.0208	4.00	5199.9851	-2.86
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	5200.0147	2.82	5200.0066	1.27	5200.0126	2.42	5200.0115	2.22
60	VN	5199.9871	-2.49	5200.0032	0.62	5199.9871	-2.47	5200.0137	2.63
50	VN	5199.9973	-0.51	5200.0062	1.19	5200.0125	2.41	5200.0062	1.18
40	VN	5199.9981	-0.37	5200.0199	3.83	5200.0166	3.20	5199.9976	-0.46
30	VN	5199.9906	-1.81	5200.0066	1.27	5200.0010	0.20	5200.0152	2.92
20	VN	5200.0121	2.33	5200.0224	4.30	5199.9780	-4.24	5199.9798	-3.88
10	VN	5200.0097	1.87	5200.0176	3.39	5200.0046	0.88	5199.9915	-1.64
0	VN	5200.0221	4.25	5200.0043	0.82	5199.9947	-1.01	5200.0081	1.56

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	1.34	1.84	0.7283	72.83	1.38	0.75	1
11N20MIMO	1.26	1.75	0.7200	72.00	1.43	0.79	1
11N40MIMO	0.63	1.12	0.5625	56.25	2.50	1.59	2
11AC80MIMO	0.31	0.80	0.3875	38.75	4.12	3.23	4

Note:

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

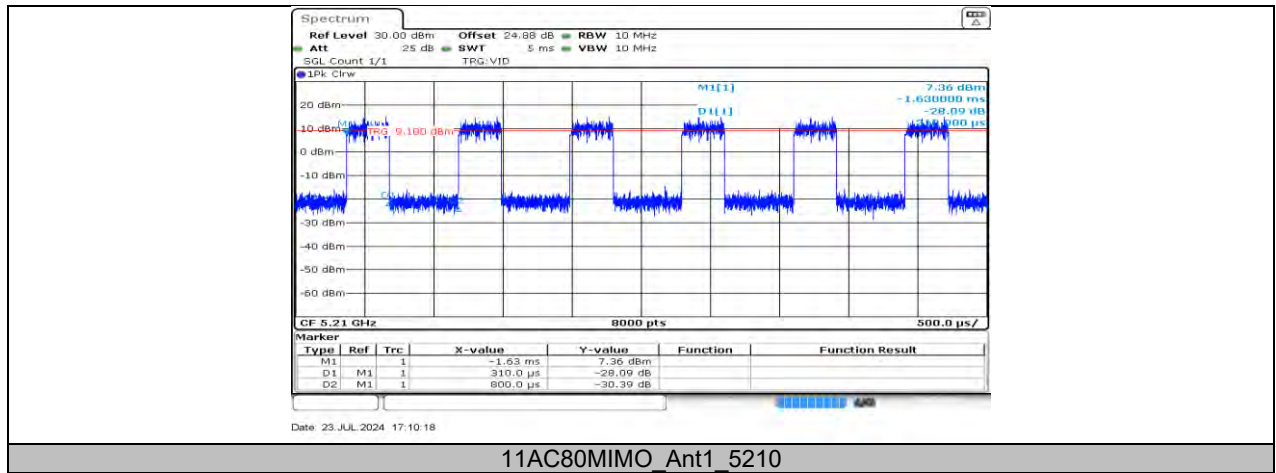
Where: x is Duty Cycle (Linear)

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



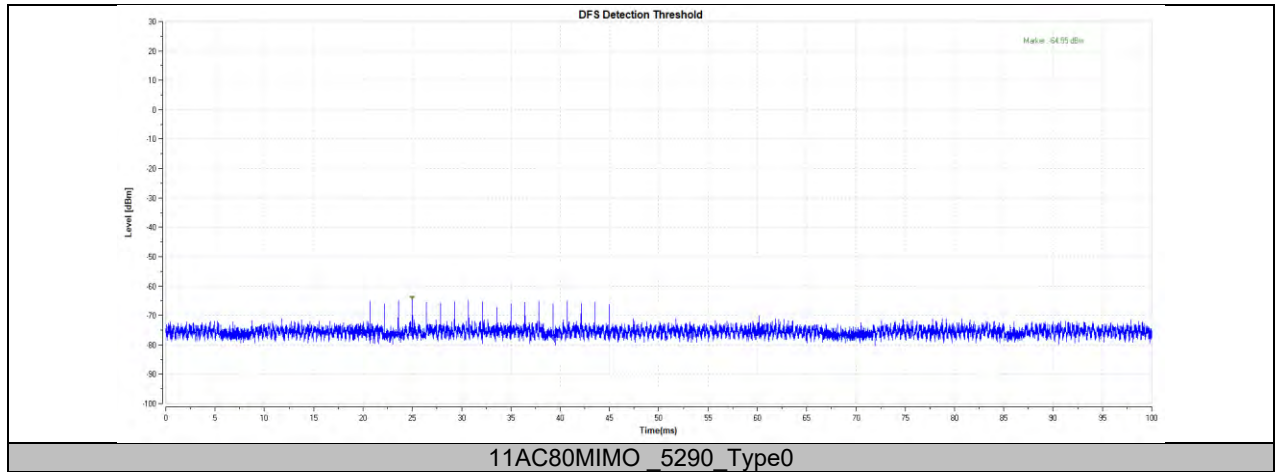


11.8. APPENDIX H: DFS DETECTION THRESHOLDS

11.8.1. Test Result

Test Mode	Channel	Radar Type	Result	Verdict
11AC80MIMO	5290	Type0	-64.55	PASS

11.8.2. Test Graphs

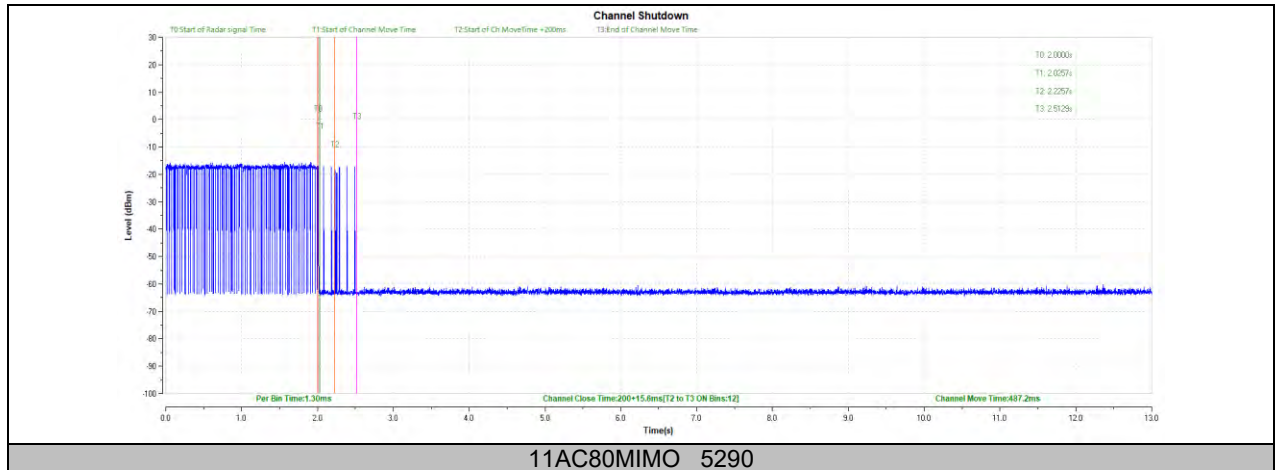


11.9. APPENDIX I: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.9.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5290	200+15.6	200+60	487.2	10000	PASS

11.9.2. Test Graphs

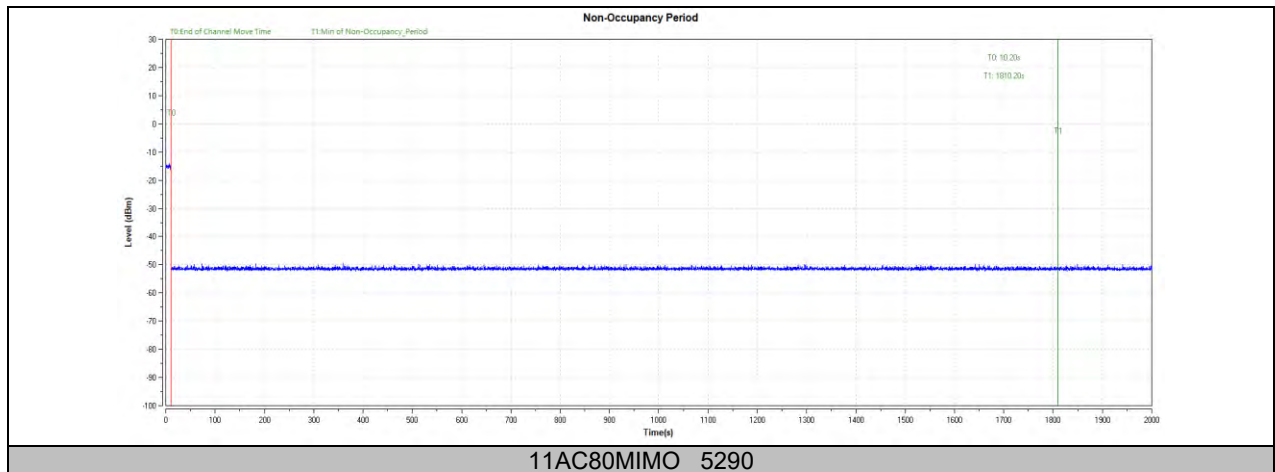


11.10. APPENDIX J: NON-OCCUPANCY PERIOD

Test Result

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

11.10.1. Test Graphs



END OF REPORT