

11AC20MIMO Ant1 5180



11AC20MIMO Ant1 5200



11AC20MIMO Ant1 5240



11AC20MIMO Ant1 5260



11AC20MIMO Ant1 5280



11AC20MIMO Ant1 5320



11AC20MIMO Ant1_5500



11AC20MIMO Ant1_5600



11AC20MIMO Ant1_5720



11AC20MIMO Ant1_5745



11AC20MIMO Ant1_5785



11AC20MIMO Ant1_5825



11AC40MIMO_Ant1_5190



11AC40MIMO_Ant1_5230



11AC40MIMO_Ant1_5270



11AC40MIMO_Ant1_5310



11AC40MIMO_Ant1_5510



11AC40MIMO_Ant1_5550



11AC40MIMO_Ant1_5710



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant1_5290



11AC80MIMO_Ant1_5530



11AC80MIMO Ant1_5610



11AC80MIMO Ant1_5690



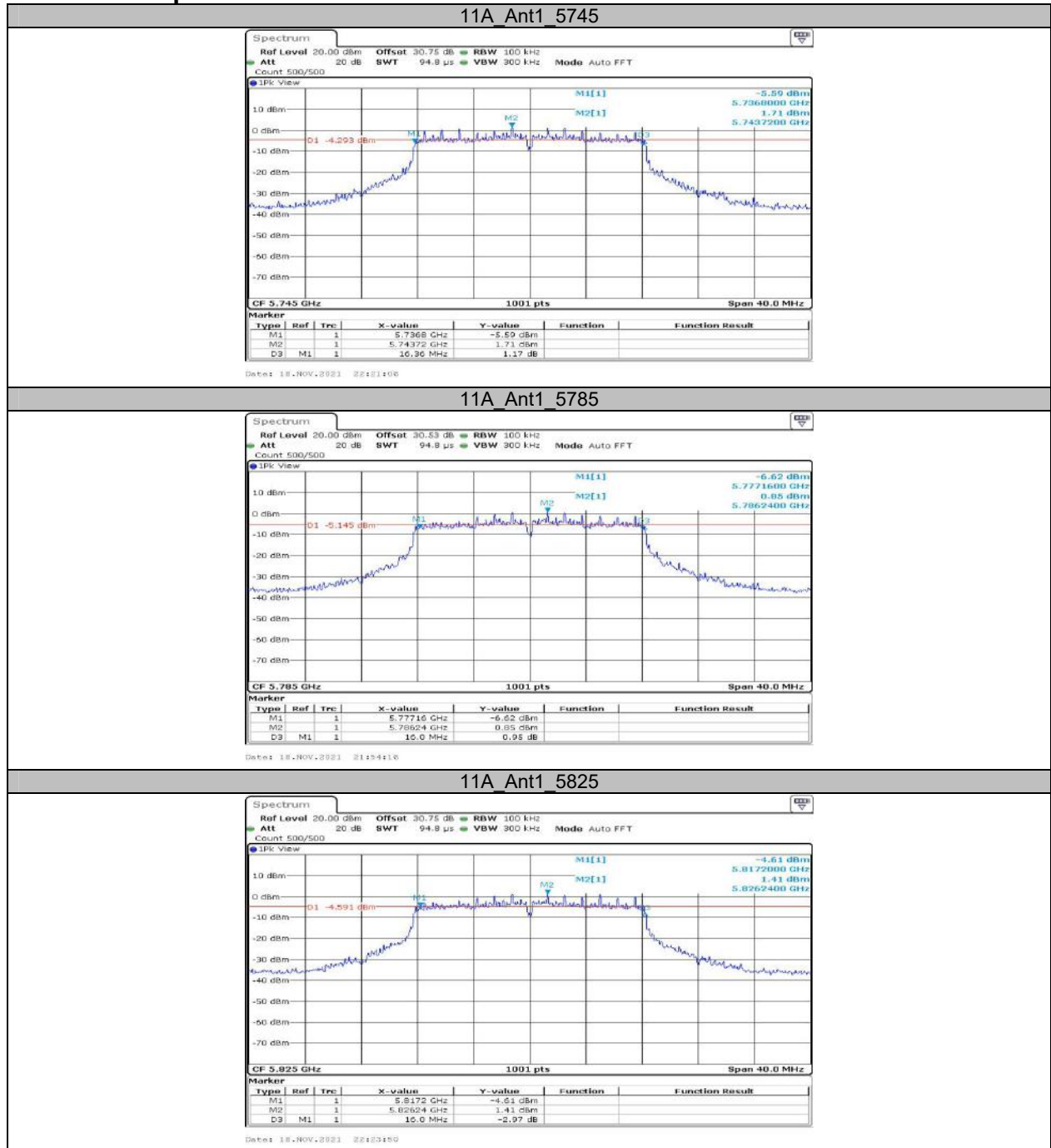
11AC80MIMO Ant1_5775



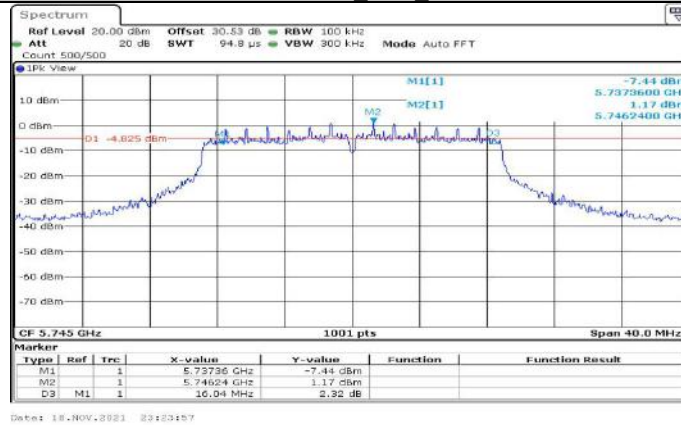
**Appendix A3: Min emission bandwidth
Test Result**

Test Mode	Antenna	Channel	6db EBW [MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	0.5	PASS
	Ant1	5785	16.000	0.5	PASS
	Ant1	5825	16.000	0.5	PASS
11N20MIMO	Ant1	5745	16.040	0.5	PASS
	Ant1	5785	16.360	0.5	PASS
	Ant1	5825	15.960	0.5	PASS
11N40MIMO	Ant1	5755	35.840	0.5	PASS
	Ant1	5795	35.840	0.5	PASS
11AC20MIMO	Ant1	5745	17.720	0.5	PASS
	Ant1	5785	17.000	0.5	PASS
	Ant1	5825	17.640	0.5	PASS
11AC40MIMO	Ant1	5755	35.840	0.5	PASS
	Ant1	5795	35.840	0.5	PASS
11AC80MIMO	Ant1	5775	75.520	0.5	PASS

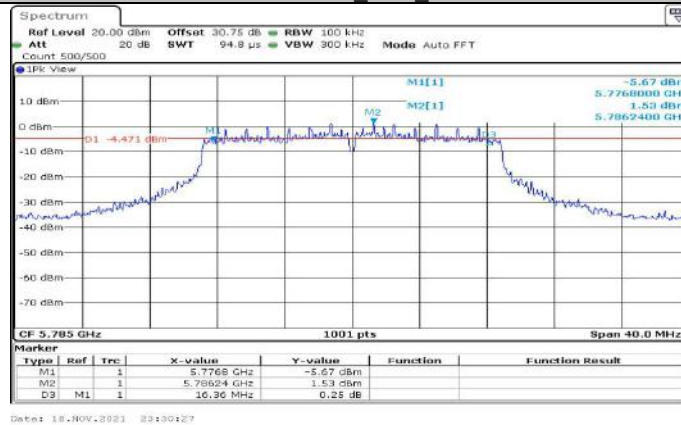
Test Graphs



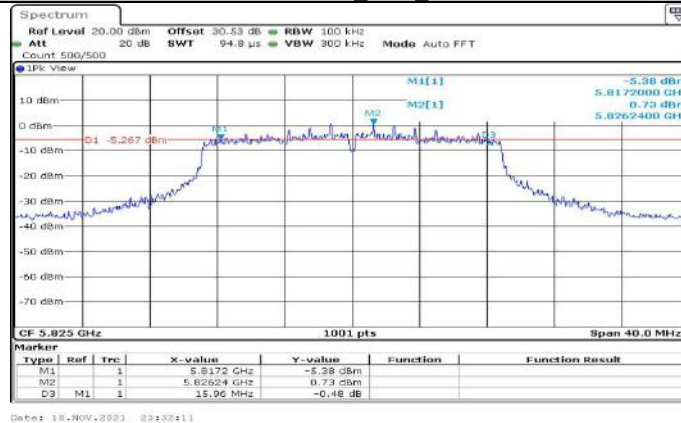
11N20MIMO_Ant1_5745



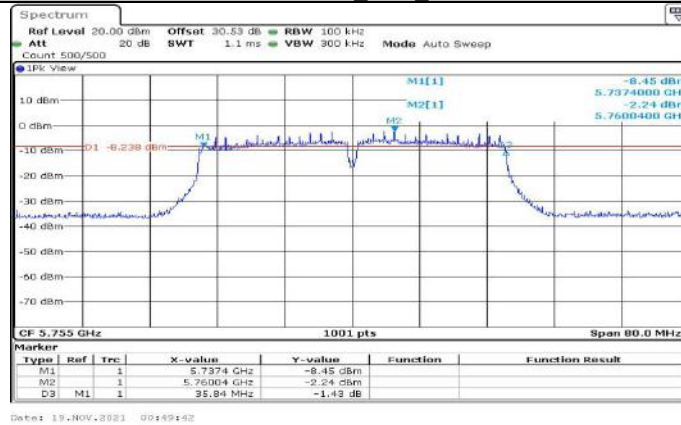
11N20MIMO_Ant1_5785



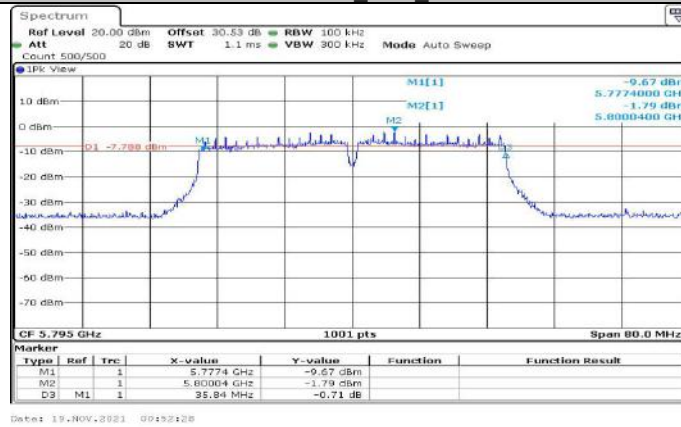
11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



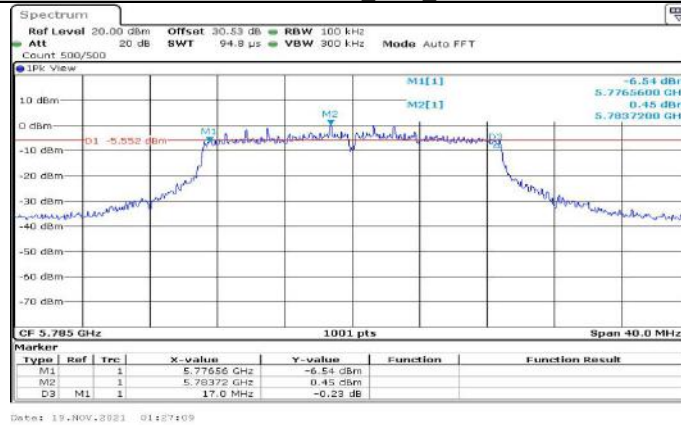
11N40MIMO_Ant1_5795



11AC20MIMO_Ant1_5745



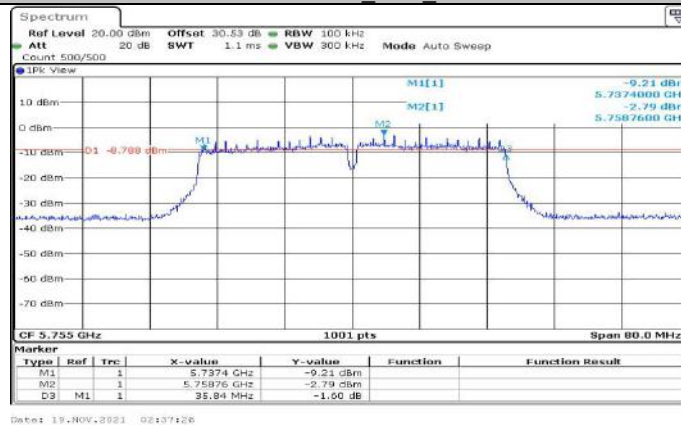
11AC20MIMO Ant1_5785

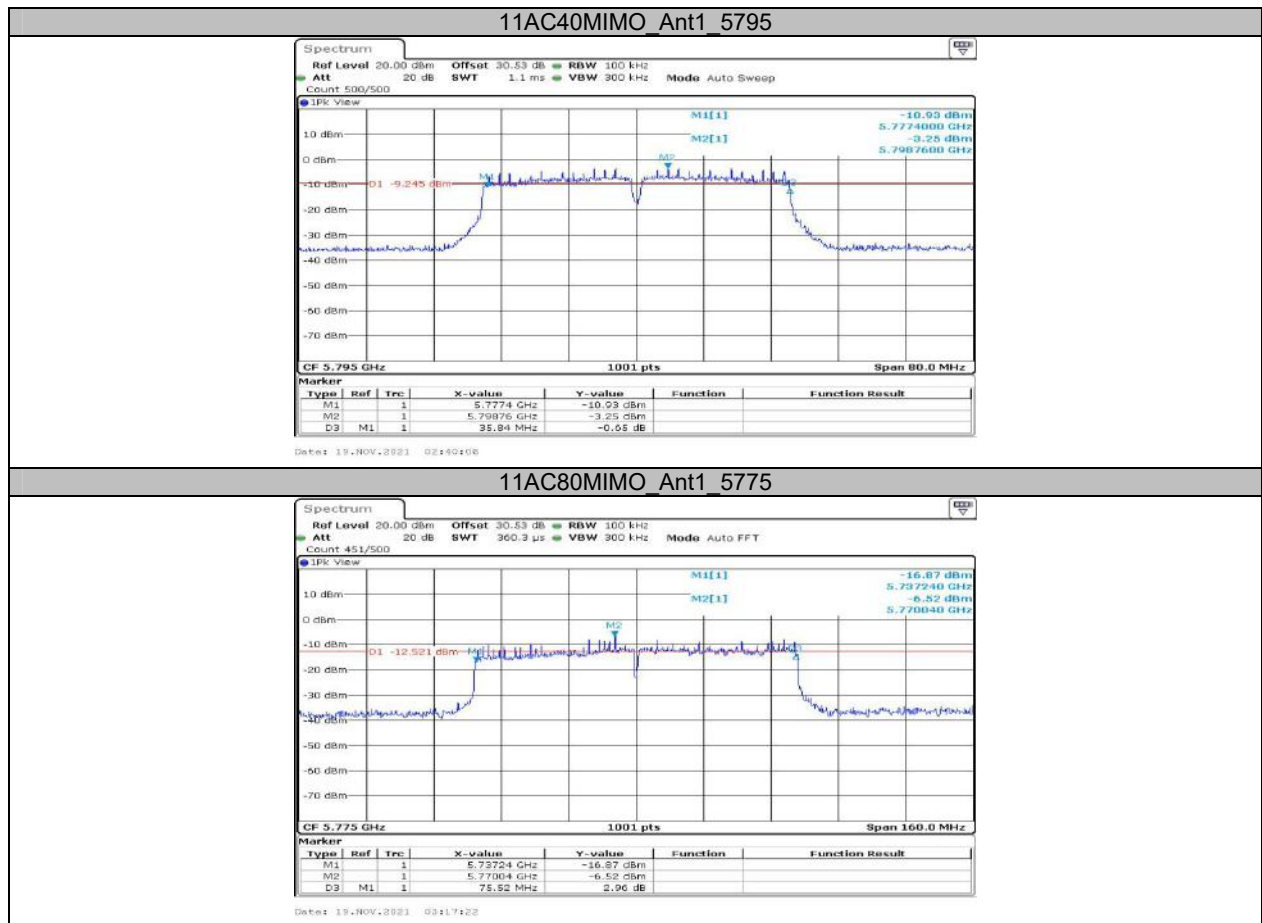


11AC20MIMO Ant1_5825



11AC40MIMO Ant1_5755





Appendix B: Maximum conducted output power Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.13	≤23.98	PASS
	Ant2	5180	13.45	≤23.98	PASS
	Ant1	5200	13.03	≤23.98	PASS
	Ant2	5200	13.43	≤23.98	PASS
	Ant1	5240	13.00	≤23.98	PASS
	Ant2	5240	13.79	≤23.98	PASS
	Ant1	5260	13.06	≤23.98	PASS
	Ant2	5260	13.70	≤23.98	PASS
	Ant1	5280	12.99	≤23.98	PASS
	Ant2	5280	13.59	≤23.98	PASS
	Ant1	5320	12.84	≤23.98	PASS
	Ant2	5320	13.81	≤23.98	PASS
	Ant1	5500	12.89	≤23.98	PASS
	Ant2	5500	14.03	≤23.98	PASS
	Ant1	5600	12.86	≤23.98	PASS
	Ant2	5600	13.81	≤23.98	PASS
	Ant1	5720 UNII-2C	10.89	≤23.06	PASS
	Ant2	5720 UNII-2C	11.52	≤23.06	PASS
	Ant1	5720 UNII-3	4.33	≤30	PASS
	Ant2	5720 UNII-3	4.52	≤30	PASS
	Ant1	5745	12.08	≤30	PASS
	Ant2	5745	13.22	≤30	PASS
	Ant1	5785	11.87	≤30	PASS
	Ant2	5785	13.12	≤30	PASS
	Ant1	5825	11.84	≤30	PASS
	Ant2	5825	12.80	≤30	PASS

11N20MIMO	Ant1	5180	13.12	≤23.98	PASS
	Ant2	5180	13.26	≤23.98	PASS
	total	5180	16.2	≤23.98	PASS
	Ant1	5200	13.04	≤23.98	PASS
	Ant2	5200	13.29	≤23.98	PASS
	total	5200	16.2	≤23.98	PASS
	Ant1	5240	13.14	≤23.98	PASS
	Ant2	5240	13.46	≤23.98	PASS
	total	5240	16.3	≤23.98	PASS
	Ant1	5260	12.83	≤23.98	PASS
	Ant2	5260	13.57	≤23.98	PASS
	total	5260	16.2	≤23.98	PASS
	Ant1	5280	12.74	≤23.98	PASS
	Ant2	5280	13.58	≤23.98	PASS
	total	5280	16.2	≤23.98	PASS
	Ant1	5320	12.97	≤23.98	PASS
	Ant2	5320	13.60	≤23.98	PASS
	total	5320	16.3	≤23.98	PASS
	Ant1	5500	12.72	≤23.98	PASS
	Ant2	5500	13.79	≤23.98	PASS
	total	5500	16.3	≤23.98	PASS
	Ant1	5600	12.71	≤23.98	PASS
	Ant2	5600	13.56	≤23.98	PASS
	total	5600	16.2	≤23.98	PASS
	Ant1	5720 UNII-2C	10.65	≤23.14	PASS
	Ant2	5720 UNII-2C	11.21	≤23.14	PASS
	total	5720 UNII-2C	13.9	≤23.14	PASS
	Ant1	5720 UNII-3	4.47	≤30	PASS
	Ant2	5720 UNII-3	4.74	≤30	PASS
	total	5720 UNII-3	7.6	≤30	PASS
	Ant1	5745	11.79	≤30	PASS
	Ant2	5745	12.97	≤30	PASS
	total	5745	15.4	≤30	PASS
	Ant1	5785	11.58	≤30	PASS
	Ant2	5785	12.96	≤30	PASS
	total	5785	15.3	≤30	PASS
	Ant1	5825	11.70	≤30	PASS
	Ant2	5825	12.44	≤30	PASS
	total	5825	15.1	≤30	PASS

11N40MIMO	Ant1	5190	13.53	≤23.98	PASS
	Ant2	5190	13.85	≤23.98	PASS
	total	5190	16.7	≤23.98	PASS
	Ant1	5230	13.42	≤23.98	PASS
	Ant2	5230	13.89	≤23.98	PASS
	total	5230	16.7	≤23.98	PASS
	Ant1	5270	13.38	≤23.98	PASS
	Ant2	5270	13.95	≤23.98	PASS
	total	5270	16.7	≤23.98	PASS
	Ant1	5310	13.47	≤23.98	PASS
	Ant2	5310	14.00	≤23.98	PASS
	total	5310	16.8	≤23.98	PASS
	Ant1	5510	13.33	≤23.98	PASS
	Ant2	5510	14.29	≤23.98	PASS
	total	5510	16.8	≤23.98	PASS
	Ant1	5550	13.28	≤23.98	PASS
	Ant2	5550	14.08	≤23.98	PASS
	total	5550	16.7	≤23.98	PASS
	Ant1	5710 UNII-2C	11.69	≤23.98	PASS
	Ant2	5710 UNII-2C	12.38	≤23.98	PASS
	total	5710 UNII-2C	15.1	≤23.98	PASS
	Ant1	5710 UNII-3	1.54	≤30	PASS
	Ant2	5710 UNII-3	1.36	≤30	PASS
	total	5710 UNII-3	4.5	≤30	PASS
	Ant1	5755	12.22	≤30	PASS
	Ant2	5755	13.56	≤30	PASS
	total	5755	16.0	≤30	PASS
	Ant1	5795	12.26	≤30	PASS
	Ant2	5795	13.42	≤30	PASS
	total	5795	15.9	≤30	PASS

11AC20MIMO	Ant1	5180	13.07	≤23.98	PASS
	Ant2	5180	13.38	≤23.98	PASS
	total	5180	16.2	≤23.98	PASS
	Ant1	5200	12.72	≤23.98	PASS
	Ant2	5200	13.38	≤23.98	PASS
	total	5200	16.1	≤23.98	PASS
	Ant1	5240	13.09	≤23.98	PASS
	Ant2	5240	13.43	≤23.98	PASS
	total	5240	16.3	≤23.98	PASS
	Ant1	5260	12.97	≤23.98	PASS
	Ant2	5260	13.45	≤23.98	PASS
	total	5260	16.2	≤23.98	PASS
	Ant1	5280	13.02	≤23.98	PASS
	Ant2	5280	13.55	≤23.98	PASS
	total	5280	16.3	≤23.98	PASS
	Ant1	5320	12.81	≤23.98	PASS
	Ant2	5320	13.56	≤23.98	PASS
	total	5320	16.2	≤23.98	PASS
	Ant1	5500	12.89	≤23.98	PASS
	Ant2	5500	13.72	≤23.98	PASS
	total	5500	16.3	≤23.98	PASS
	Ant1	5600	12.63	≤23.98	PASS
	Ant2	5600	13.67	≤23.98	PASS
	total	5600	16.2	≤23.98	PASS
	Ant1	5720 UNII-2C	10.54	≤23.06	PASS
	Ant2	5720 UNII-2C	11.37	≤23.06	PASS
	total	5720 UNII-2C	14.0	≤23.06	PASS
	Ant1	5720 UNII-3	4.72	≤30	PASS
	Ant2	5720 UNII-3	5.13	≤30	PASS
	total	5720 UNII-3	7.9	≤30	PASS
	Ant1	5745	11.90	≤30	PASS
	Ant2	5745	13.00	≤30	PASS
	total	5745	15.5	≤30	PASS
	Ant1	5785	11.76	≤30	PASS
	Ant2	5785	12.76	≤30	PASS
	total	5785	15.3	≤30	PASS
	Ant1	5825	11.51	≤30	PASS
	Ant2	5825	12.79	≤30	PASS
	total	5825	15.2	≤30	PASS

11AC40MIMO	Ant1	5190	12.36	≤ 23.98	PASS
	Ant2	5190	12.79	≤ 23.98	PASS
	total	5190	15.6	≤ 23.98	PASS
	Ant1	5230	12.42	≤ 23.98	PASS
	Ant2	5230	12.99	≤ 23.98	PASS
	total	5230	15.7	≤ 23.98	PASS
	Ant1	5270	12.31	≤ 23.98	PASS
	Ant2	5270	13.04	≤ 23.98	PASS
	total	5270	15.7	≤ 23.98	PASS
	Ant1	5310	12.31	≤ 23.98	PASS
	Ant2	5310	13.04	≤ 23.98	PASS
	total	5310	15.7	≤ 23.98	PASS
	Ant1	5510	12.27	≤ 23.98	PASS
	Ant2	5510	13.25	≤ 23.98	PASS
	total	5510	15.8	≤ 23.98	PASS
	Ant1	5550	12.24	≤ 23.98	PASS
	Ant2	5550	13.20	≤ 23.98	PASS
	total	5550	15.8	≤ 23.98	PASS
	Ant1	5710 UNII-2C	10.76	≤ 23.98	PASS
	Ant2	5710 UNII-2C	11.39	≤ 23.98	PASS
	total	5710 UNII-2C	14.1	≤ 23.98	PASS
	Ant1	5710 UNII-3	0.52	≤ 30	PASS
	Ant2	5710 UNII-3	0.77	≤ 30	PASS
	total	5710 UNII-3	3.7	≤ 30	PASS
	Ant1	5755	11.30	≤ 30	PASS
	Ant2	5755	12.43	≤ 30	PASS
	total	5755	14.9	≤ 30	PASS
	Ant1	5795	11.15	≤ 30	PASS
	Ant2	5795	12.41	≤ 30	PASS
	total	5795	14.8	≤ 30	PASS
11AC80MIMO	Ant1	5210	10.81	≤ 23.98	PASS
	Ant2	5210	11.22	≤ 23.98	PASS
	total	5210	14.0	≤ 23.98	PASS
	Ant1	5290	10.72	≤ 23.98	PASS
	Ant2	5290	11.26	≤ 23.98	PASS
	total	5290	14.0	≤ 23.98	PASS
	Ant1	5530	10.71	≤ 23.98	PASS
	Ant2	5530	11.69	≤ 23.98	PASS
	total	5530	14.2	≤ 23.98	PASS
	Ant1	5610	10.40	≤ 23.98	PASS
	Ant2	5610	11.57	≤ 23.98	PASS
	total	5610	14.0	≤ 23.98	PASS
	Ant1	5690 UNII-2C	12.06	≤ 23.98	PASS
	Ant2	5690 UNII-2C	12.58	≤ 23.98	PASS
	total	5690 UNII-2C	15.3	≤ 23.98	PASS
	Ant1	5690 UNII-3	-1.13	≤ 30	PASS
	Ant2	5690 UNII-3	-1.02	≤ 30	PASS
	total	5690 UNII-3	1.9	≤ 30	PASS
	Ant1	5775	9.59	≤ 30	PASS
	Ant2	5775	10.89	≤ 30	PASS
	total	5775	13.3	≤ 30	PASS

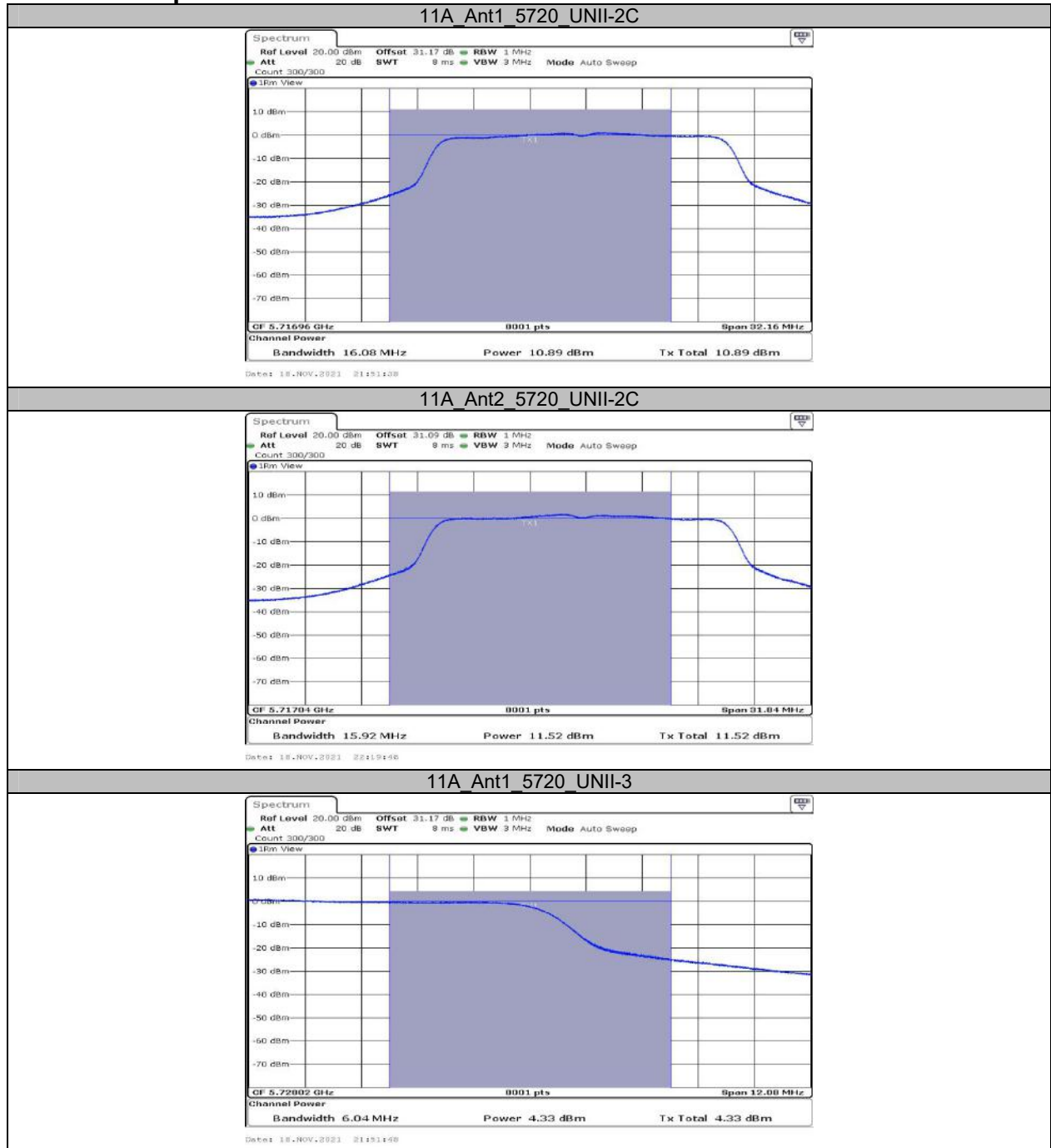
Note 1: This product is used for client device.

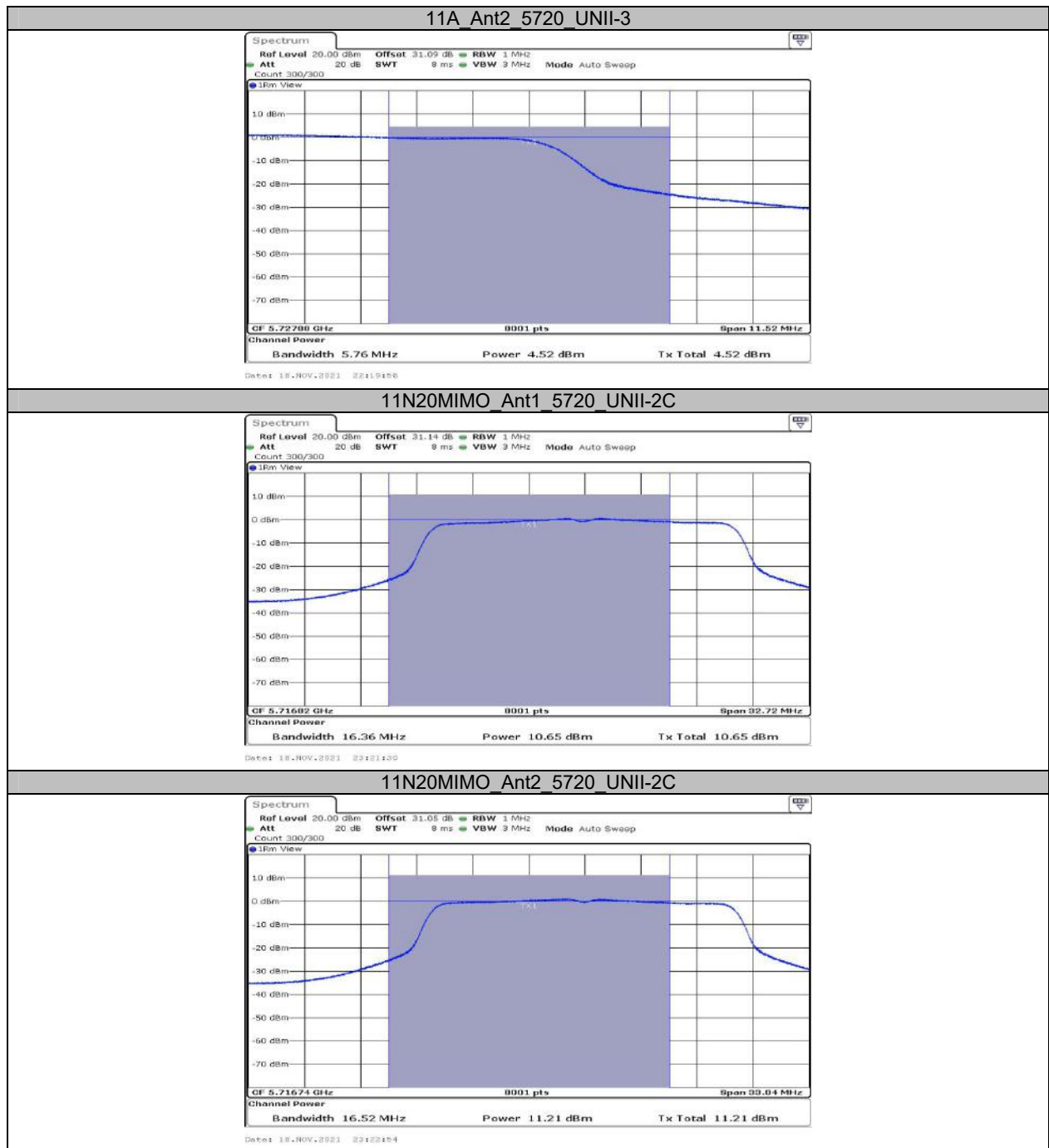
Note 2: The maximum antenna gain is 3.0 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

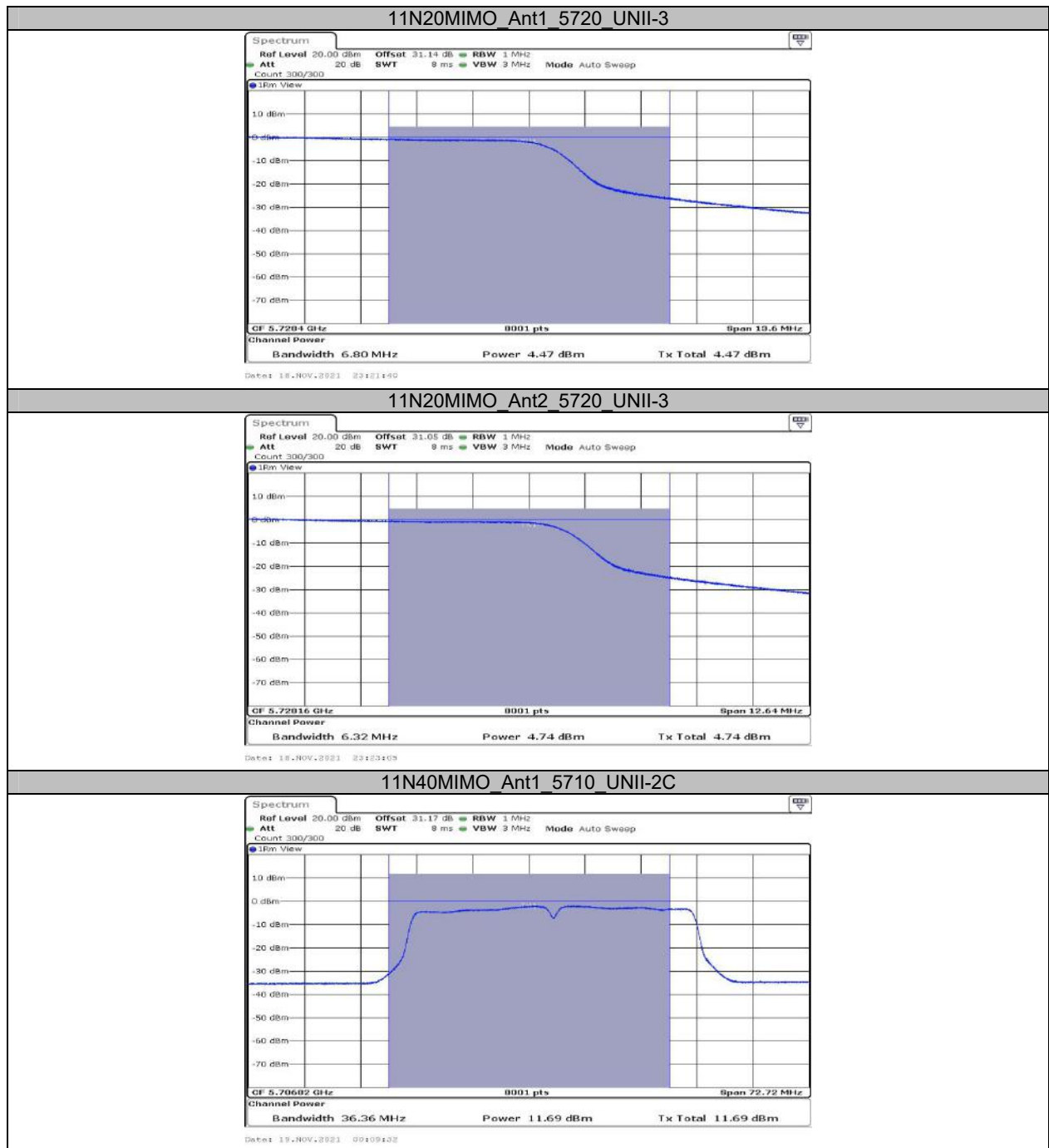
Array Gain = 0dB (i.e., no array gain) For $N_{ANT} \leq 4$;

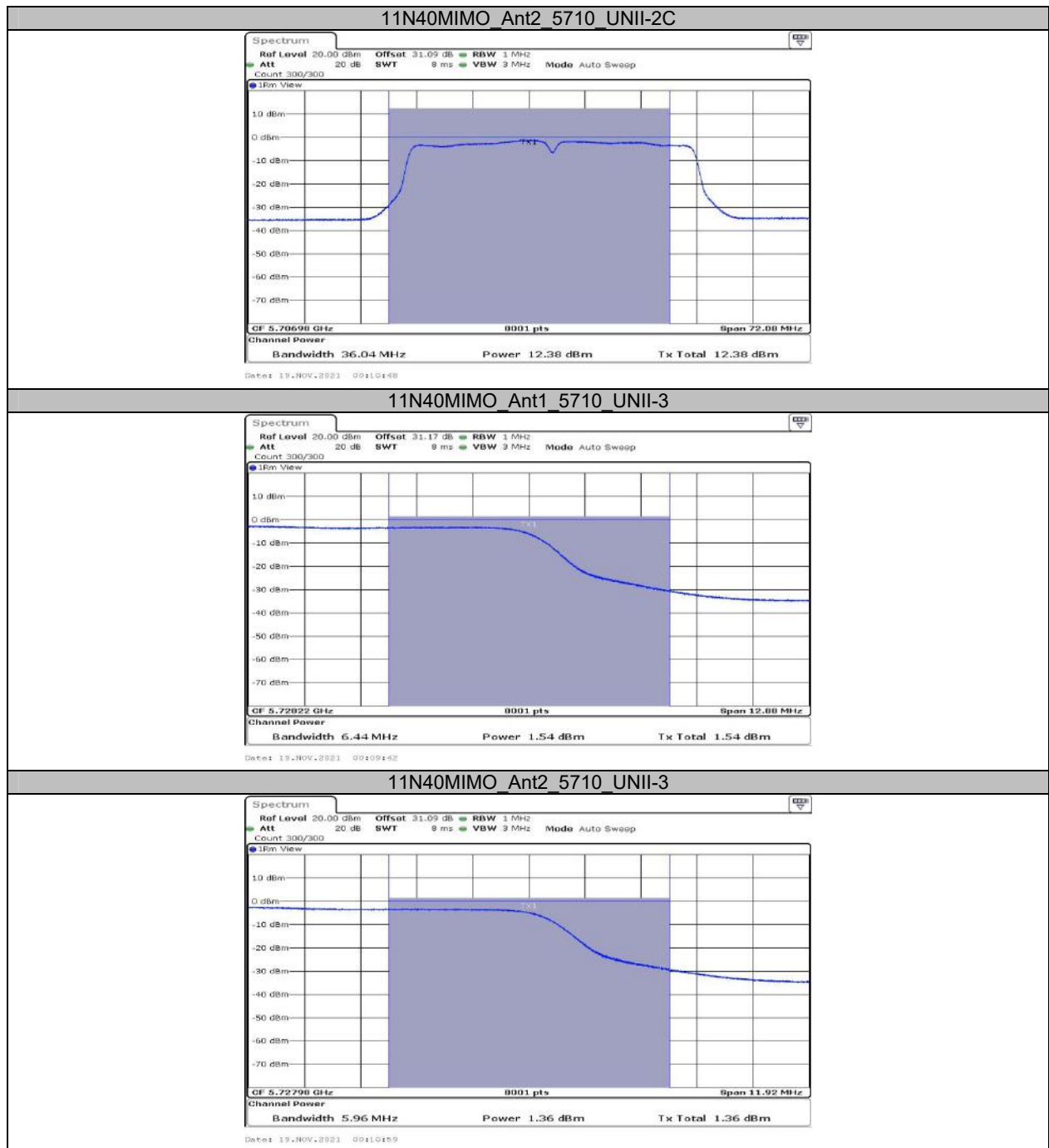
So: Directional gain=3.0dBi <6dBi

Test Graphs

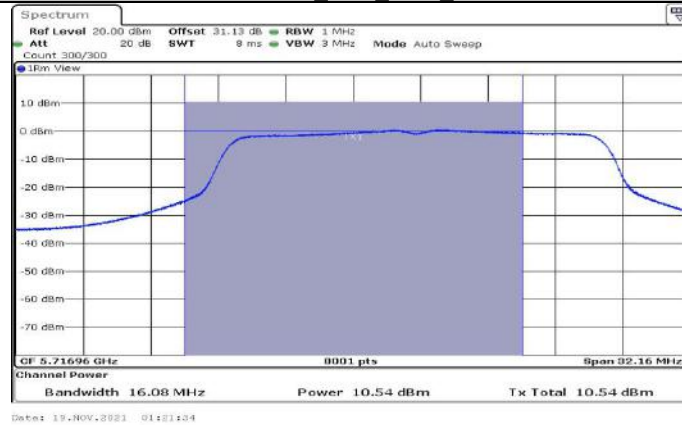




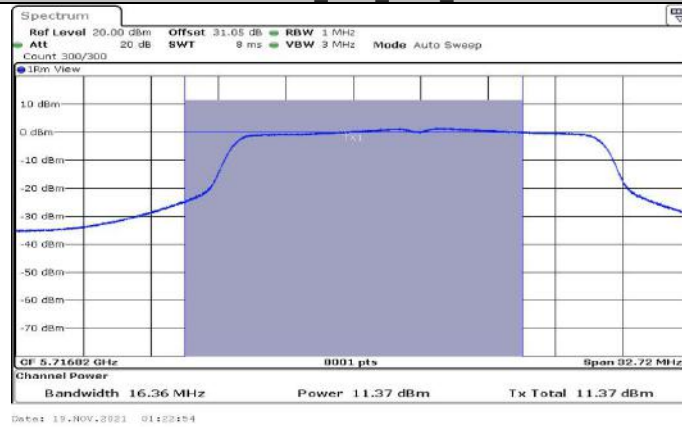




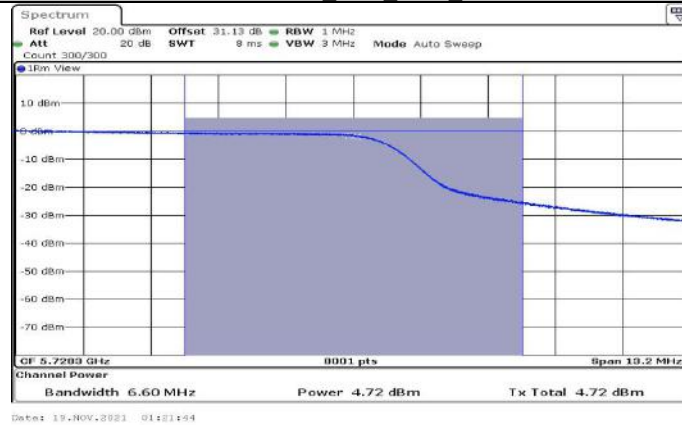
11AC20MIMO_Ant1_5720_UNII-2C

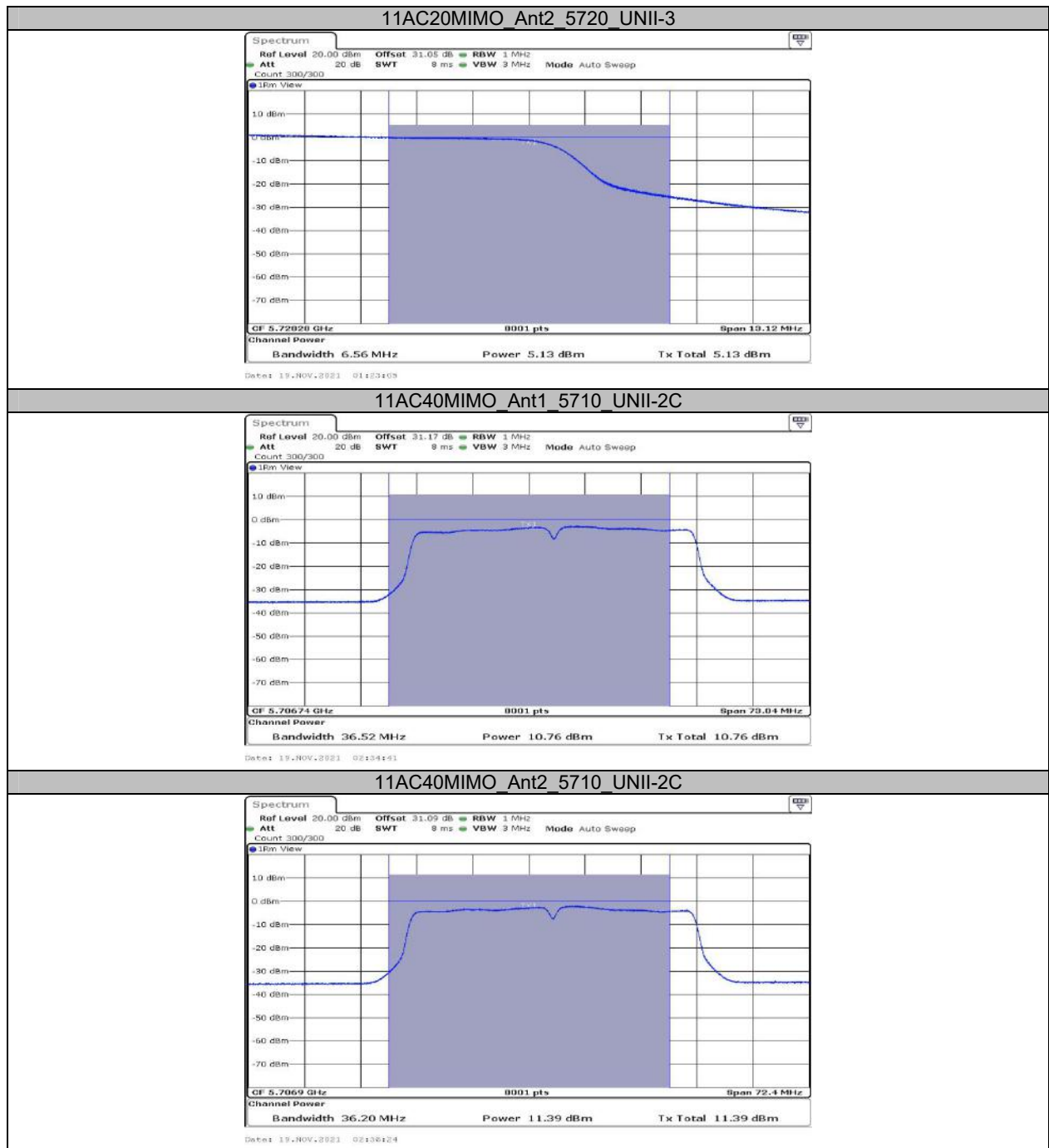


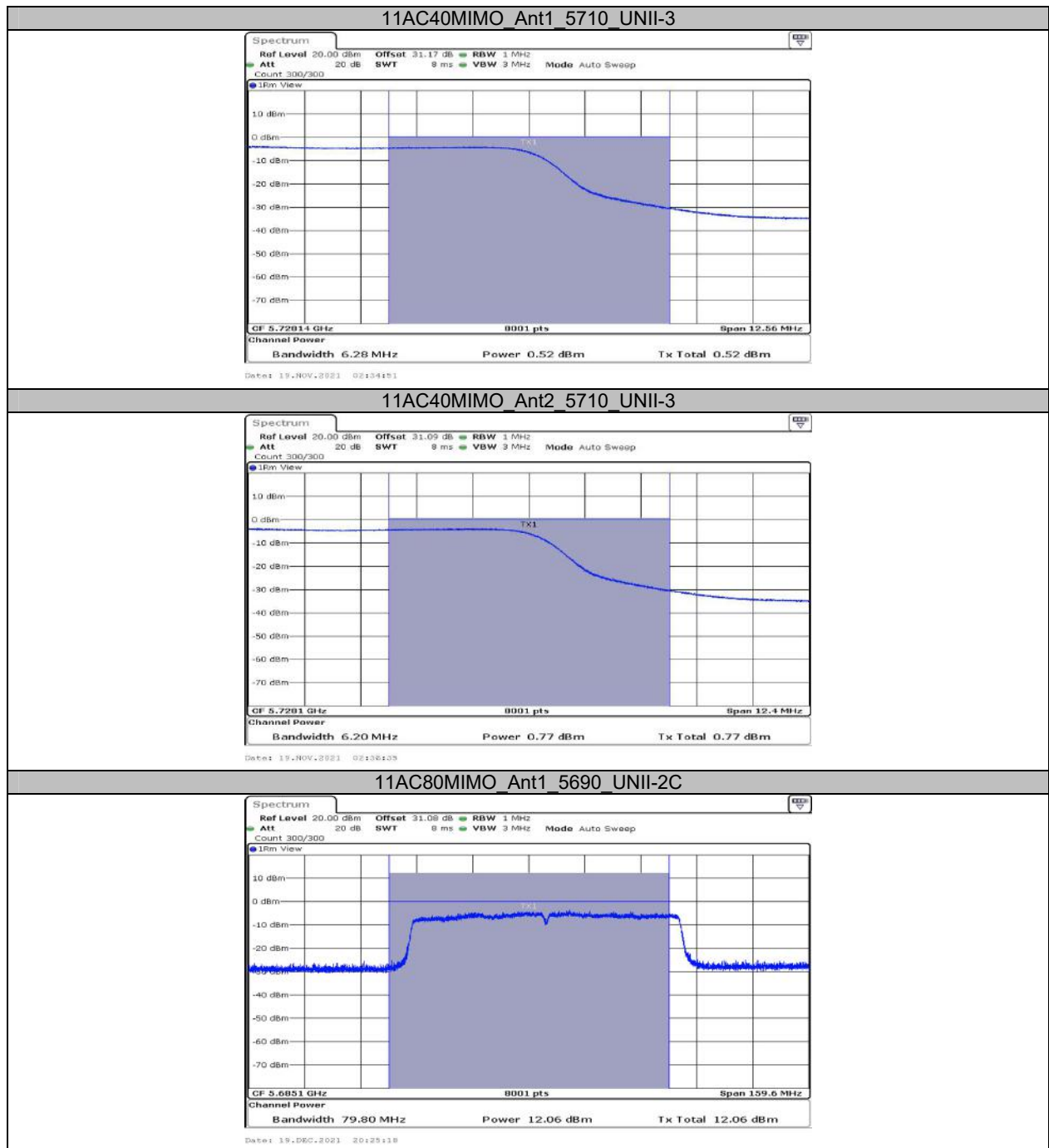
11AC20MIMO_Ant2_5720_UNII-2C

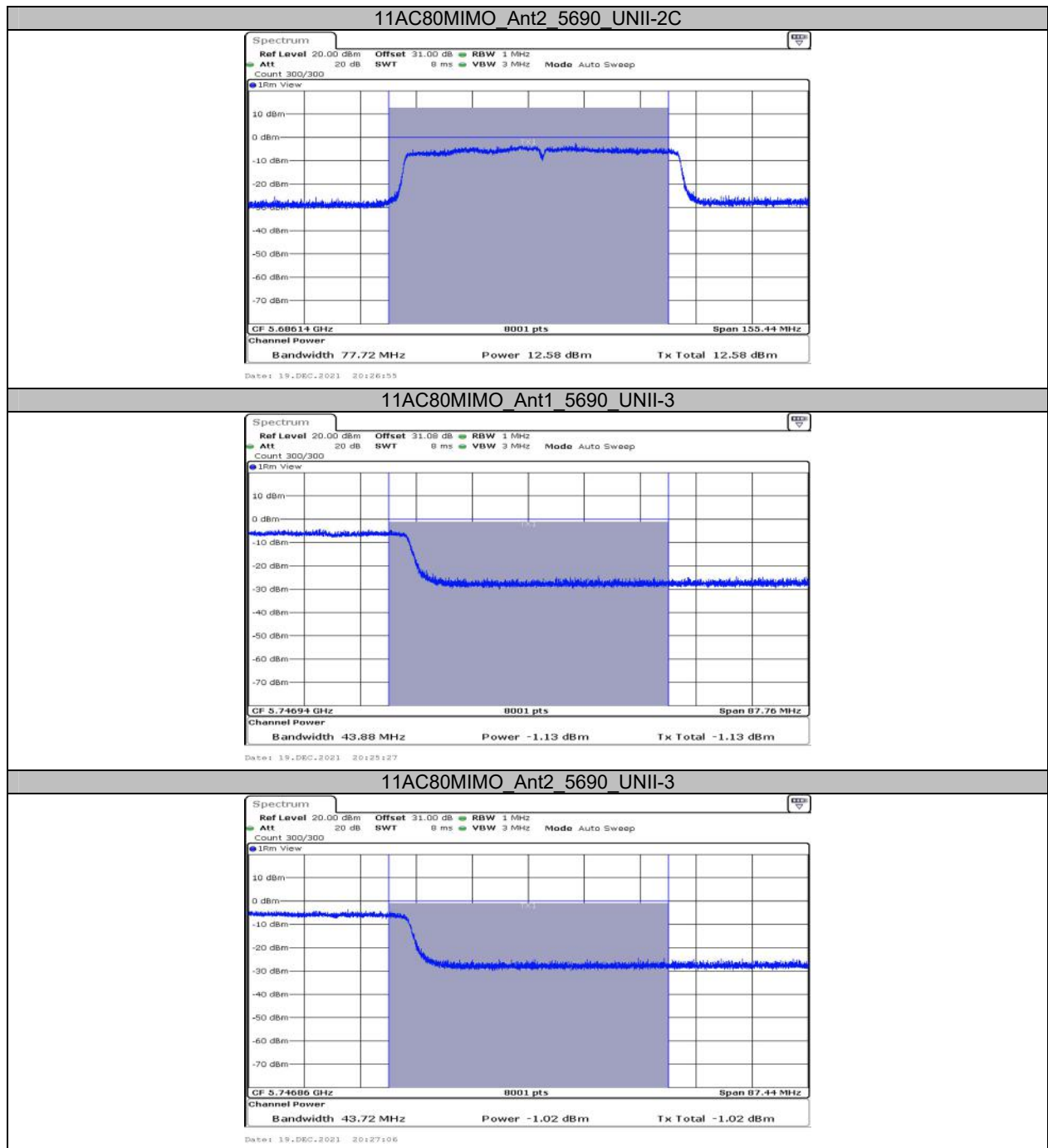


11AC20MIMO_Ant1_5720_UNII-3









Appendix C: Maximum power spectral density Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.95	≤11	PASS
	Ant2	5180	1.99	≤11	PASS
	Ant1	5200	1.58	≤11	PASS
	Ant2	5200	1.73	≤11	PASS
	Ant1	5240	1.84	≤11	PASS
	Ant2	5240	2.23	≤11	PASS
	Ant1	5260	1.67	≤11	PASS
	Ant2	5260	2.11	≤11	PASS
	Ant1	5280	1.86	≤11	PASS
	Ant2	5280	2.27	≤11	PASS
	Ant1	5320	1.67	≤11	PASS
	Ant2	5320	2.06	≤11	PASS
	Ant1	5500	1.92	≤11	PASS
	Ant2	5500	2.52	≤11	PASS
	Ant1	5600	1.43	≤11	PASS
	Ant2	5600	1.9	≤11	PASS
	Ant1	5720 UNII-2C	1.15	≤11	PASS
	Ant2	5720 UNII-2C	1.81	≤11	PASS
	Ant1	5720 UNII-3	-3.08	≤30	PASS
	Ant2	5720 UNII-3	-2.62	≤30	PASS
	Ant1	5745	-2.68	≤30	PASS
	Ant2	5745	-1.67	≤30	PASS
	Ant1	5785	-2.79	≤30	PASS
	Ant2	5785	-1.66	≤30	PASS
	Ant1	5825	-2.27	≤30	PASS
	Ant2	5825	-2.64	≤30	PASS

11N20MIMO	Ant1	5180	1.67	≤11	PASS
	Ant2	5180	1.54	≤11	PASS
	total	5180	4.62	≤11	PASS
	Ant1	5200	1.78	≤11	PASS
	Ant2	5200	1.3	≤11	PASS
	total	5200	4.56	≤11	PASS
	Ant1	5240	1.77	≤11	PASS
	Ant2	5240	1.74	≤11	PASS
	total	5240	4.77	≤11	PASS
	Ant1	5260	1.14	≤11	PASS
	Ant2	5260	1.59	≤11	PASS
	total	5260	4.38	≤11	PASS
	Ant1	5280	1.17	≤11	PASS
	Ant2	5280	1.66	≤11	PASS
	total	5280	4.43	≤11	PASS
	Ant1	5320	1.39	≤11	PASS
	Ant2	5320	1.82	≤11	PASS
	total	5320	4.62	≤11	PASS
	Ant1	5500	1.13	≤11	PASS
	Ant2	5500	1.98	≤11	PASS
	total	5500	4.59	≤11	PASS
	Ant1	5600	1.18	≤11	PASS
	Ant2	5600	1.51	≤11	PASS
	total	5600	4.36	≤11	PASS
	Ant1	5720 UNII-2C	0.79	≤11	PASS
	Ant2	5720 UNII-2C	1.2	≤11	PASS
	total	5720 UNII-2C	4.01	≤11	PASS
	Ant1	5720 UNII-3	-3.61	≤30	PASS
	Ant2	5720 UNII-3	-3.16	≤30	PASS
	total	5720 UNII-3	-0.37	≤30	PASS
	Ant1	5745	-3.11	≤30	PASS
	Ant2	5745	-2.09	≤30	PASS
	total	5745	0.44	≤30	PASS
	Ant1	5785	-3.46	≤30	PASS
	Ant2	5785	-1.81	≤30	PASS
	total	5785	0.45	≤30	PASS
	Ant1	5825	-2.42	≤30	PASS
	Ant2	5825	-2.67	≤30	PASS
	total	5825	0.47	≤30	PASS

11N40MIMO	Ant1	5190	-0.85	≤11	PASS
	Ant2	5190	-1.15	≤11	PASS
	total	5190	2.01	≤11	PASS
	Ant1	5230	-1.18	≤11	PASS
	Ant2	5230	-0.98	≤11	PASS
	total	5230	1.93	≤11	PASS
	Ant1	5270	-1.32	≤11	PASS
	Ant2	5270	-0.8	≤11	PASS
	total	5270	1.96	≤11	PASS
	Ant1	5310	-1.12	≤11	PASS
	Ant2	5310	-0.88	≤11	PASS
	total	5310	2.01	≤11	PASS
	Ant1	5510	-1.22	≤11	PASS
	Ant2	5510	-0.33	≤11	PASS
	total	5510	2.26	≤11	PASS
	Ant1	5550	-1.13	≤11	PASS
	Ant2	5550	-0.75	≤11	PASS
	total	5550	2.07	≤11	PASS
	Ant1	5710 UNII-2C	-1.91	≤11	PASS
	Ant2	5710 UNII-2C	-1.16	≤11	PASS
	total	5710 UNII-2C	1.49	≤11	PASS
	Ant1	5710 UNII-3	-6.01	≤30	PASS
	Ant2	5710 UNII-3	-6.04	≤30	PASS
	total	5710 UNII-3	-3.01	≤30	PASS
	Ant1	5755	-5.88	≤30	PASS
	Ant2	5755	-4.49	≤30	PASS
	total	5755	-2.12	≤30	PASS
	Ant1	5795	-5.67	≤30	PASS
	Ant2	5795	-4.72	≤30	PASS
	total	5795	-2.16	≤30	PASS

11AC20MIMO	Ant1	5180	1.84	≤11	PASS
	Ant2	5180	1.55	≤11	PASS
	total	5180	4.71	≤11	PASS
	Ant1	5200	0.93	≤11	PASS
	Ant2	5200	1.37	≤11	PASS
	total	5200	4.17	≤11	PASS
	Ant1	5240	1.76	≤11	PASS
	Ant2	5240	1.54	≤11	PASS
	total	5240	4.66	≤11	PASS
	Ant1	5260	1.53	≤11	PASS
	Ant2	5260	1.73	≤11	PASS
	total	5260	4.64	≤11	PASS
	Ant1	5280	1.81	≤11	PASS
	Ant2	5280	1.9	≤11	PASS
	total	5280	4.87	≤11	PASS
	Ant1	5320	1.32	≤11	PASS
	Ant2	5320	1.76	≤11	PASS
	total	5320	4.56	≤11	PASS
	Ant1	5500	1.5	≤11	PASS
	Ant2	5500	1.95	≤11	PASS
	total	5500	4.74	≤11	PASS
	Ant1	5600	1.03	≤11	PASS
	Ant2	5600	1.36	≤11	PASS
	total	5600	4.21	≤11	PASS
	Ant1	5720 UNII-2C	0.72	≤11	PASS
	Ant2	5720 UNII-2C	1.57	≤11	PASS
	total	5720 UNII-2C	4.18	≤11	PASS
	Ant1	5720 UNII-3	-3.27	≤30	PASS
	Ant2	5720 UNII-3	-2.88	≤30	PASS
	total	5720 UNII-3	-0.06	≤30	PASS
	Ant1	5745	-2.81	≤30	PASS
	Ant2	5745	-2.34	≤30	PASS
	total	5745	0.44	≤30	PASS
	Ant1	5785	-2.82	≤30	PASS
	Ant2	5785	-2.46	≤30	PASS
	total	5785	0.37	≤30	PASS
	Ant1	5825	-3.36	≤30	PASS
	Ant2	5825	-2.21	≤30	PASS
	total	5825	0.26	≤30	PASS

11AC40MIMO	Ant1	5190	-2.41	≤11	PASS
	Ant2	5190	-2.19	≤11	PASS
	total	5190	0.71	≤11	PASS
	Ant1	5230	-2.05	≤11	PASS
	Ant2	5230	-1.88	≤11	PASS
	total	5230	1.05	≤11	PASS
	Ant1	5270	-1.74	≤11	PASS
	Ant2	5270	-1.57	≤11	PASS
	total	5270	1.36	≤11	PASS
	Ant1	5310	-2.2	≤11	PASS
	Ant2	5310	-1.93	≤11	PASS
	total	5310	0.95	≤11	PASS
	Ant1	5510	-2.07	≤11	PASS
	Ant2	5510	-1.48	≤11	PASS
	total	5510	1.25	≤11	PASS
	Ant1	5550	-2.03	≤11	PASS
	Ant2	5550	-1.6	≤11	PASS
	total	5550	1.20	≤11	PASS
	Ant1	5710_UNII-2C	-2.56	≤11	PASS
	Ant2	5710_UNII-2C	-1.86	≤11	PASS
	total	5710_UNII-2C	0.81	≤11	PASS
	Ant1	5710_UNII-3	-6.97	≤30	PASS
	Ant2	5710_UNII-3	-6.59	≤30	PASS
	total	5710_UNII-3	-3.77	≤30	PASS
	Ant1	5755	-6.54	≤30	PASS
	Ant2	5755	-5.74	≤30	PASS
	total	5755	-3.11	≤30	PASS
	Ant1	5795	-6.8	≤30	PASS
	Ant2	5795	-5.73	≤30	PASS
	total	5795	-3.22	≤30	PASS

11AC80MIMO	Ant1	5210	-6.84	≤11	PASS
	Ant2	5210	-6.53	≤11	PASS
	total	5210	-3.67	≤11	PASS
	Ant1	5290	-6.79	≤11	PASS
	Ant2	5290	-6.64	≤11	PASS
	total	5290	-3.70	≤11	PASS
	Ant1	5530	-6.99	≤11	PASS
	Ant2	5530	-6.24	≤11	PASS
	total	5530	-3.59	≤11	PASS
	Ant1	5610	-7.16	≤11	PASS
	Ant2	5610	-6.36	≤11	PASS
	total	5610	-3.73	≤11	PASS
	Ant1	5690 UNII-2C	-10.59	≤11	PASS
	Ant2	5690 UNII-2C	-9.8	≤11	PASS
	total	5690 UNII-2C	-7.17	≤11	PASS
	Ant1	5690 UNII-3	-14.51	≤30	PASS
	Ant2	5690 UNII-3	-14.41	≤30	PASS
	total	5690 UNII-3	-11.45	≤30	PASS
	Ant1	5775	-11.24	≤30	PASS
	Ant2	5775	-10.4	≤30	PASS
	total	5775	-7.79	≤30	PASS

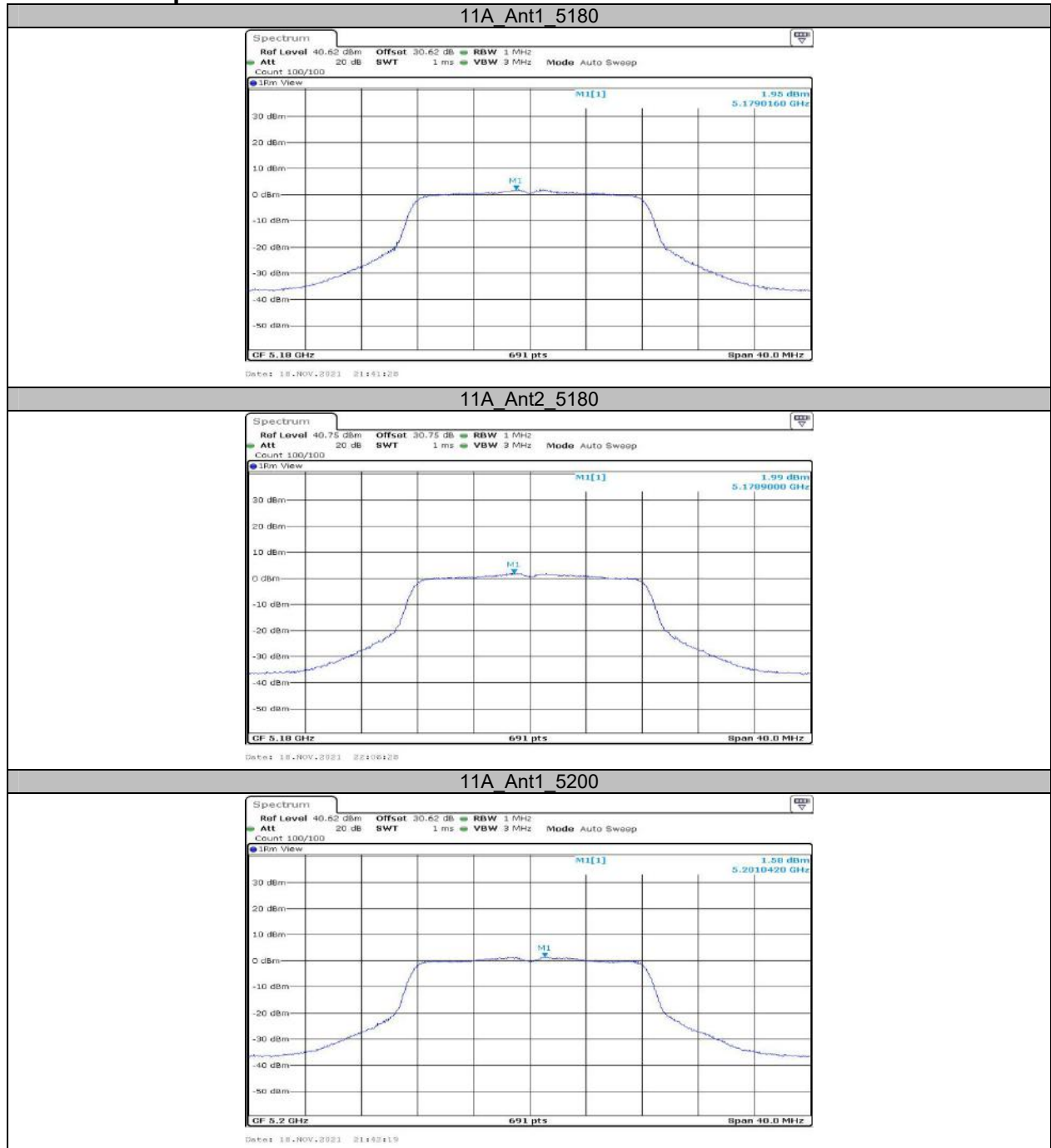
Note 1: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor is compensated in the graph.

Note 2: The maximum antenna gain is 3.0 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{ss}})$ dB

Directional gain = $G_{\text{ANT}} + \text{Array Gain} = 3.0 + 10 * \log(2/1) = 6.0$ dBi.

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

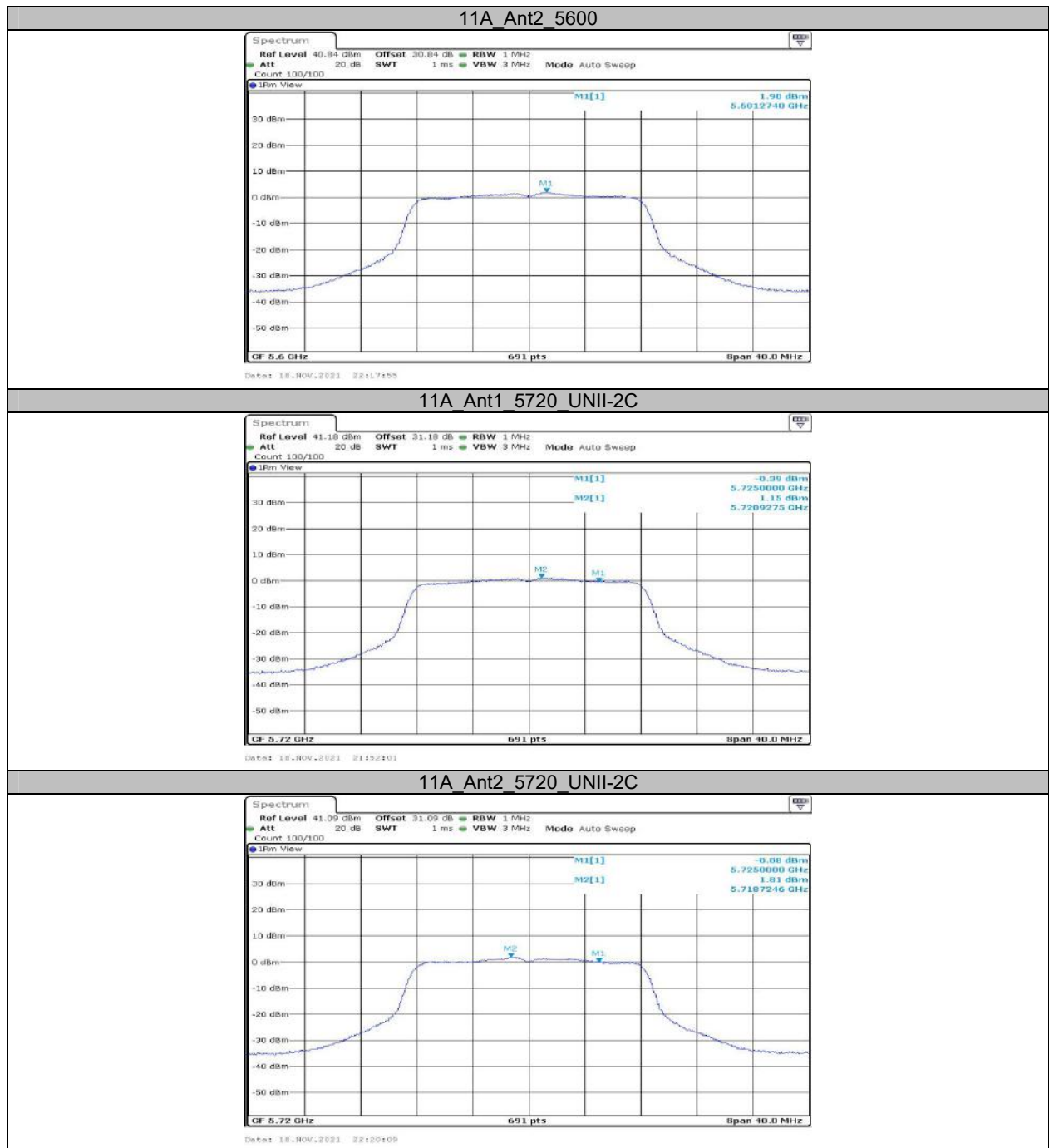


11A_Ant2_5500



11A_Ant1_5600





11A_Ant1_5720_UNII-3



11A_Ant2_5720_UNII-3



11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



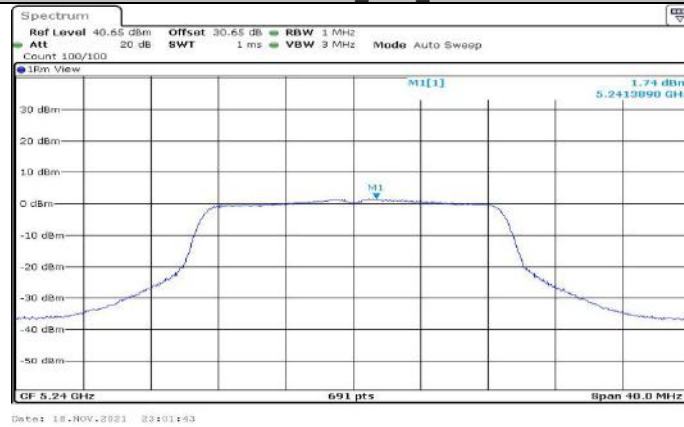
11N20MIMO_Ant2_5200



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

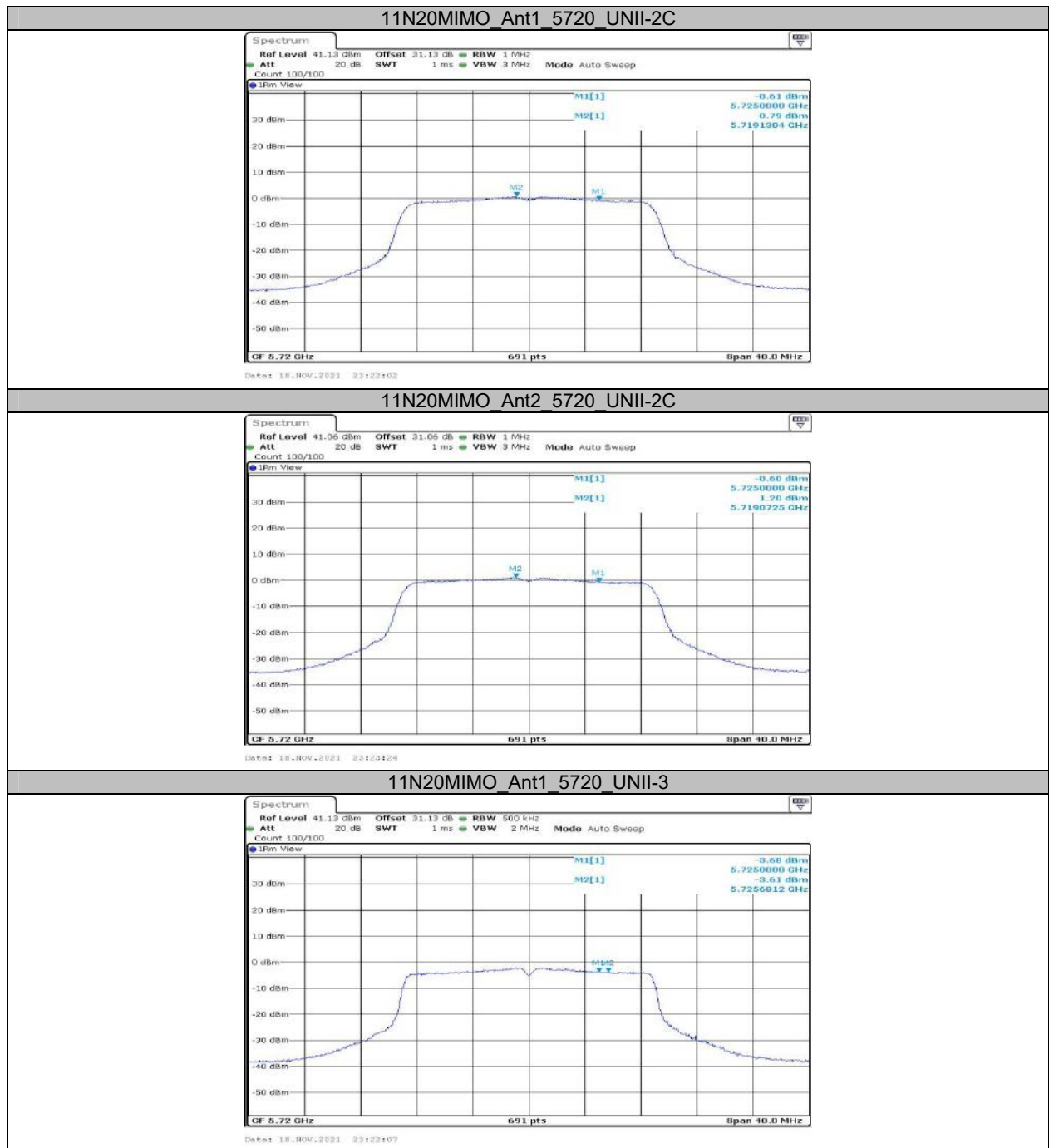


11N20MIMO_Ant1_5600



11N20MIMO_Ant2_5600





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

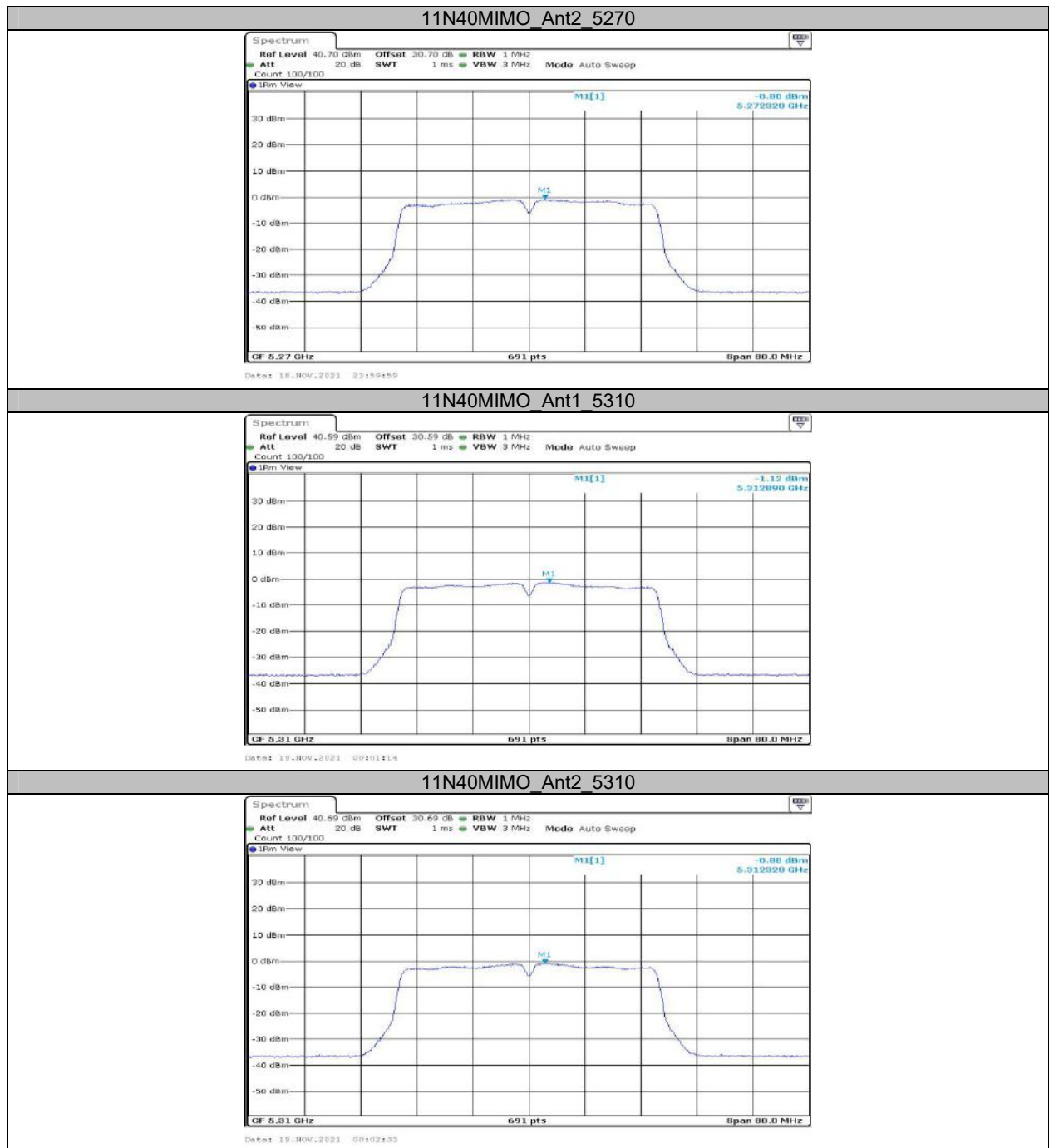


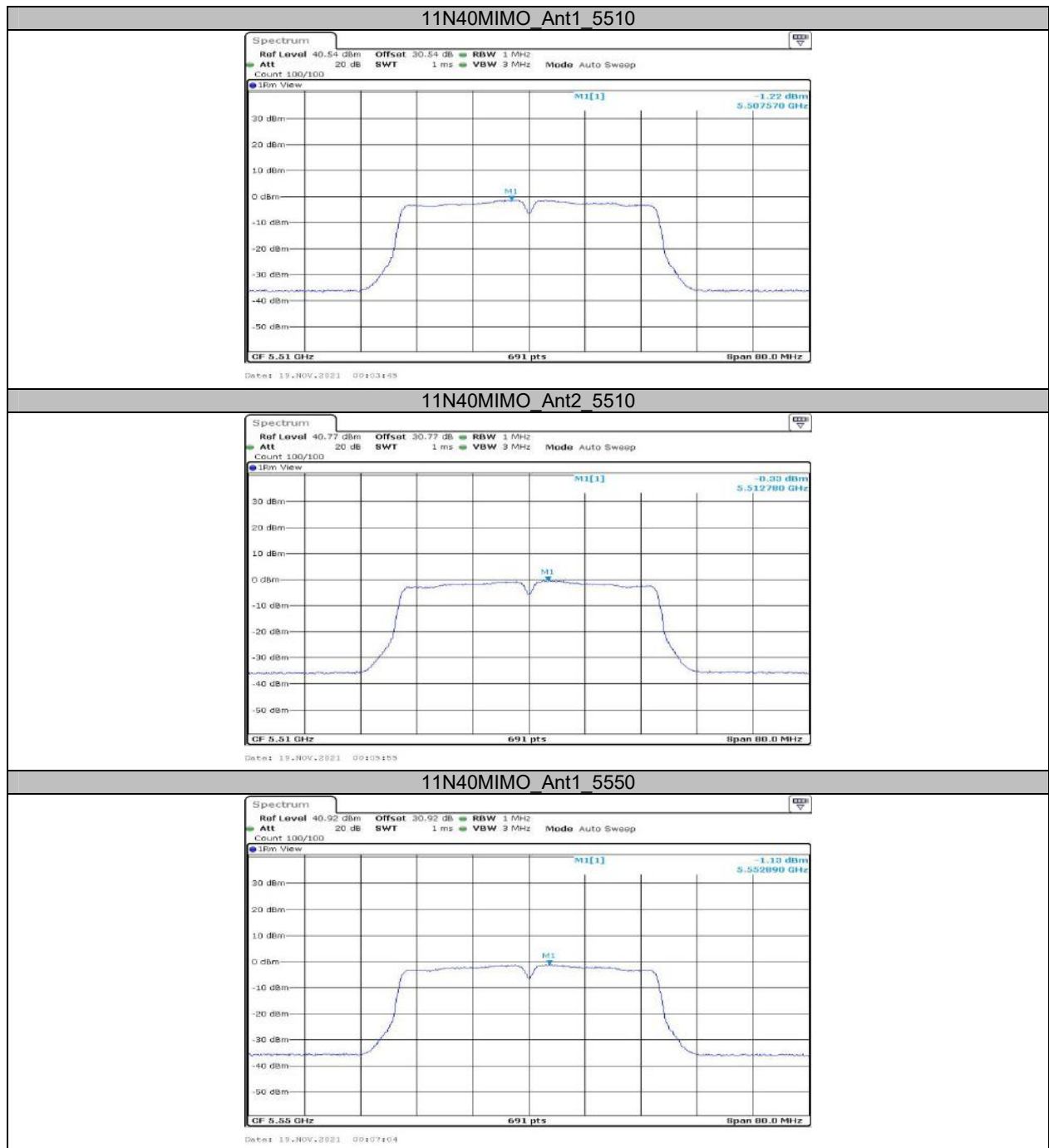
11N40MIMO_Ant2_5230

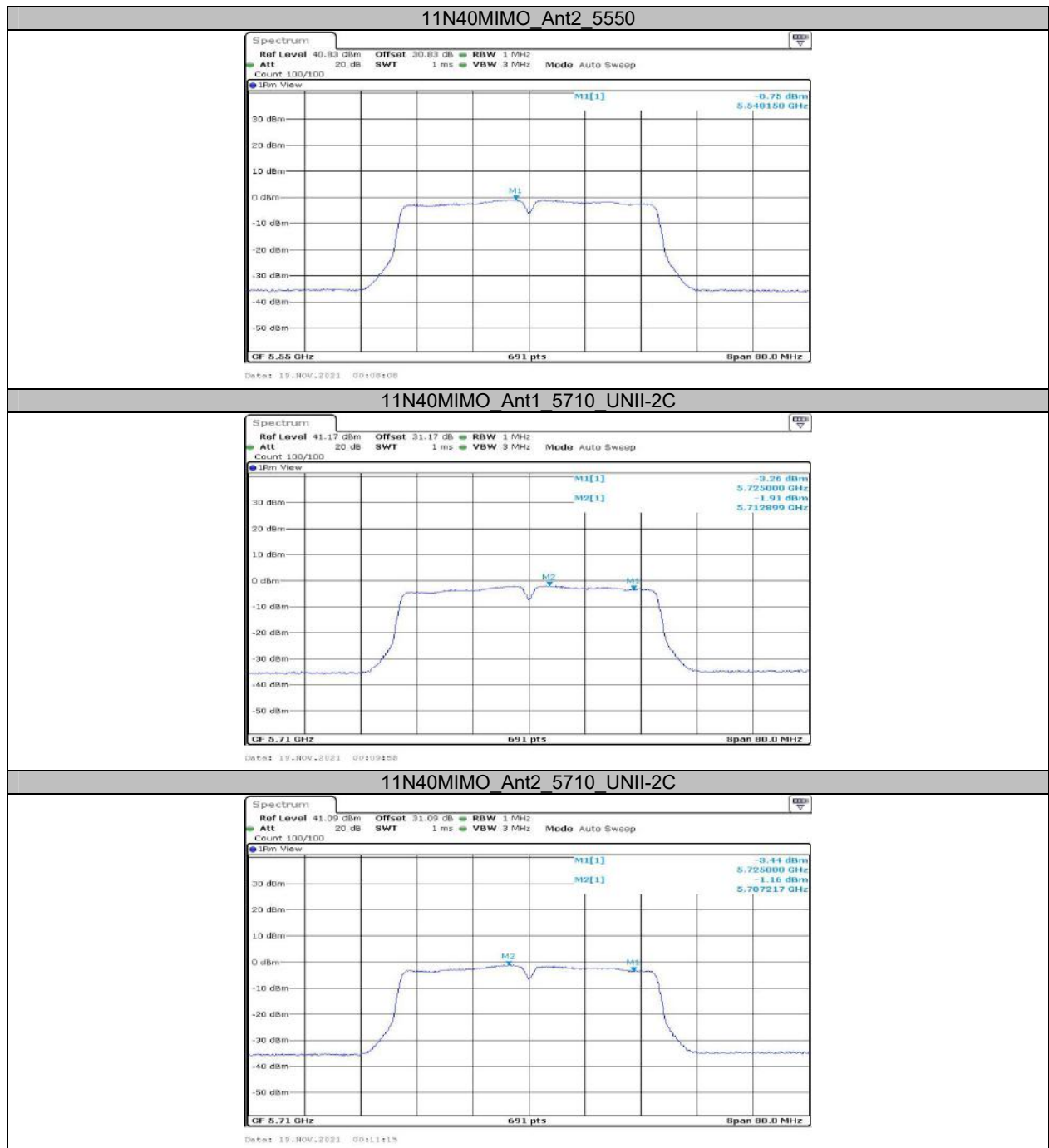


11N40MIMO_Ant1_5270









11N40MIMO Ant1 5710 UNII-3



11N40MIMO Ant2 5710 UNII-3



11N40MIMO Ant1 5755



11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant2_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



11AC20MIMO_Ant1_5260



11AC20MIMO_Ant2_5260



11AC20MIMO_Ant1_5280



11AC20MIMO_Ant2_5280



11AC20MIMO_Ant1_5320



11AC20MIMO_Ant2_5320



11AC20MIMO_Ant1_5500



11AC20MIMO_Ant2_5500



11AC20MIMO_Ant1_5600



11AC20MIMO Ant2_5600



11AC20MIMO Ant1_5720_UNII-2C



11AC20MIMO Ant2_5720_UNII-2C



11AC20MIMO_Ant1_5720_UNII-3



11AC20MIMO_Ant2_5720_UNII-3



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825

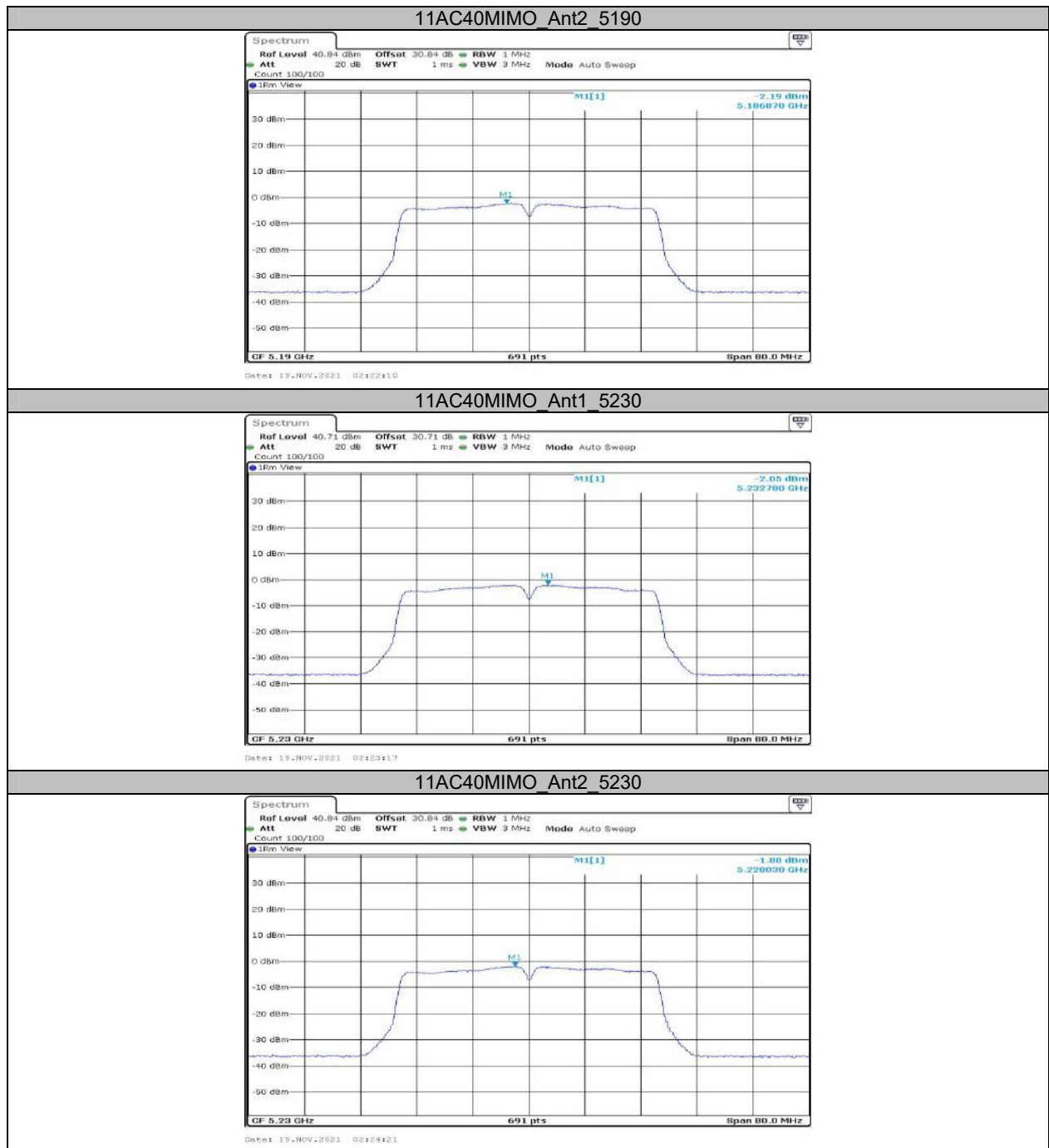


11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5190





11AC40MIMO_Ant1_5270



11AC40MIMO_Ant2_5270



11AC40MIMO_Ant1_5310



11AC40MIMO_Ant2_5310

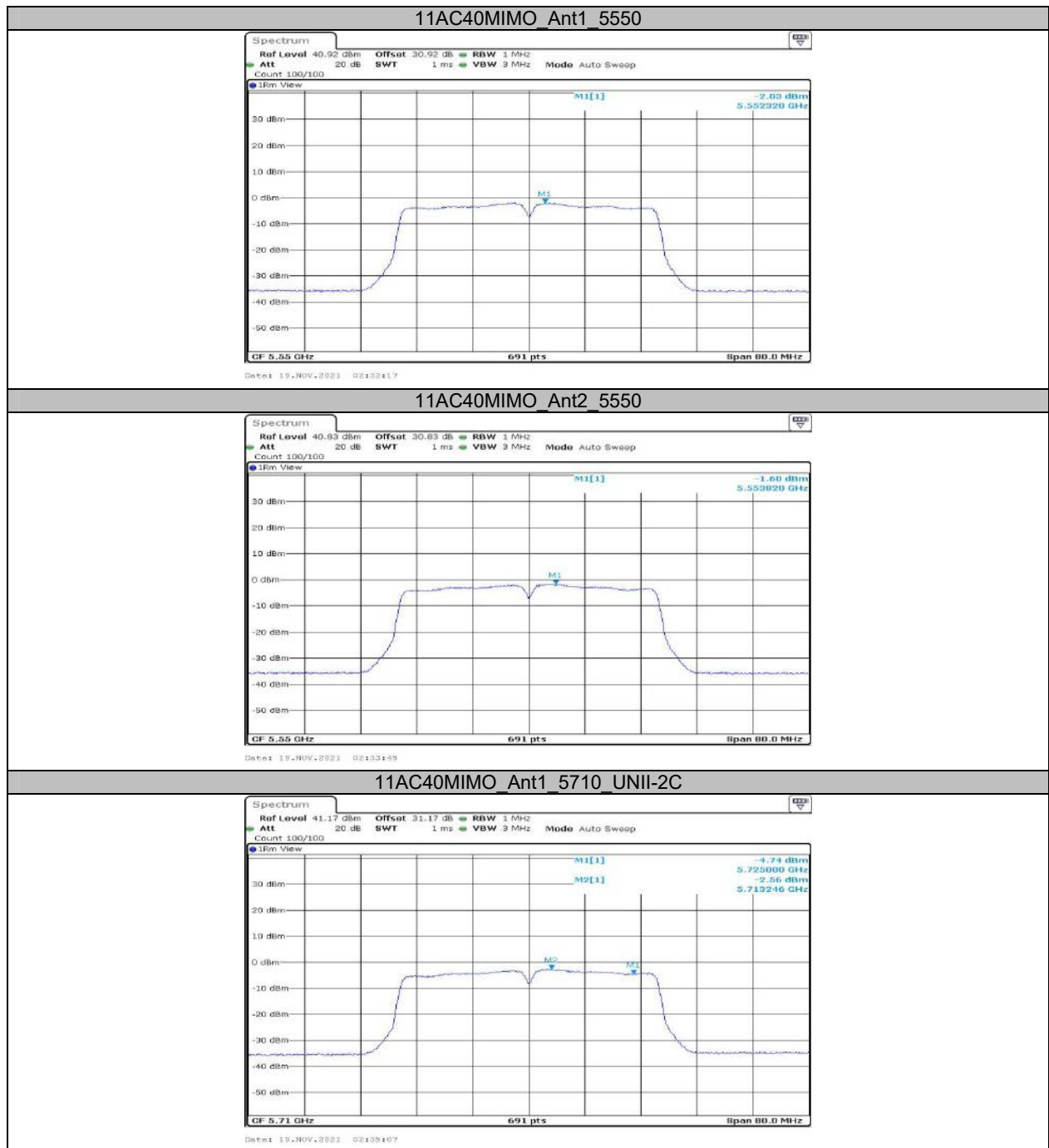


11AC40MIMO_Ant1_5510



11AC40MIMO_Ant2_5510





11AC40MIMO_Ant2_5710_UNII-2C



11AC40MIMO_Ant1_5710_UNII-3



11AC40MIMO_Ant2_5710_UNII-3



11AC40MIMO_Ant1_5755

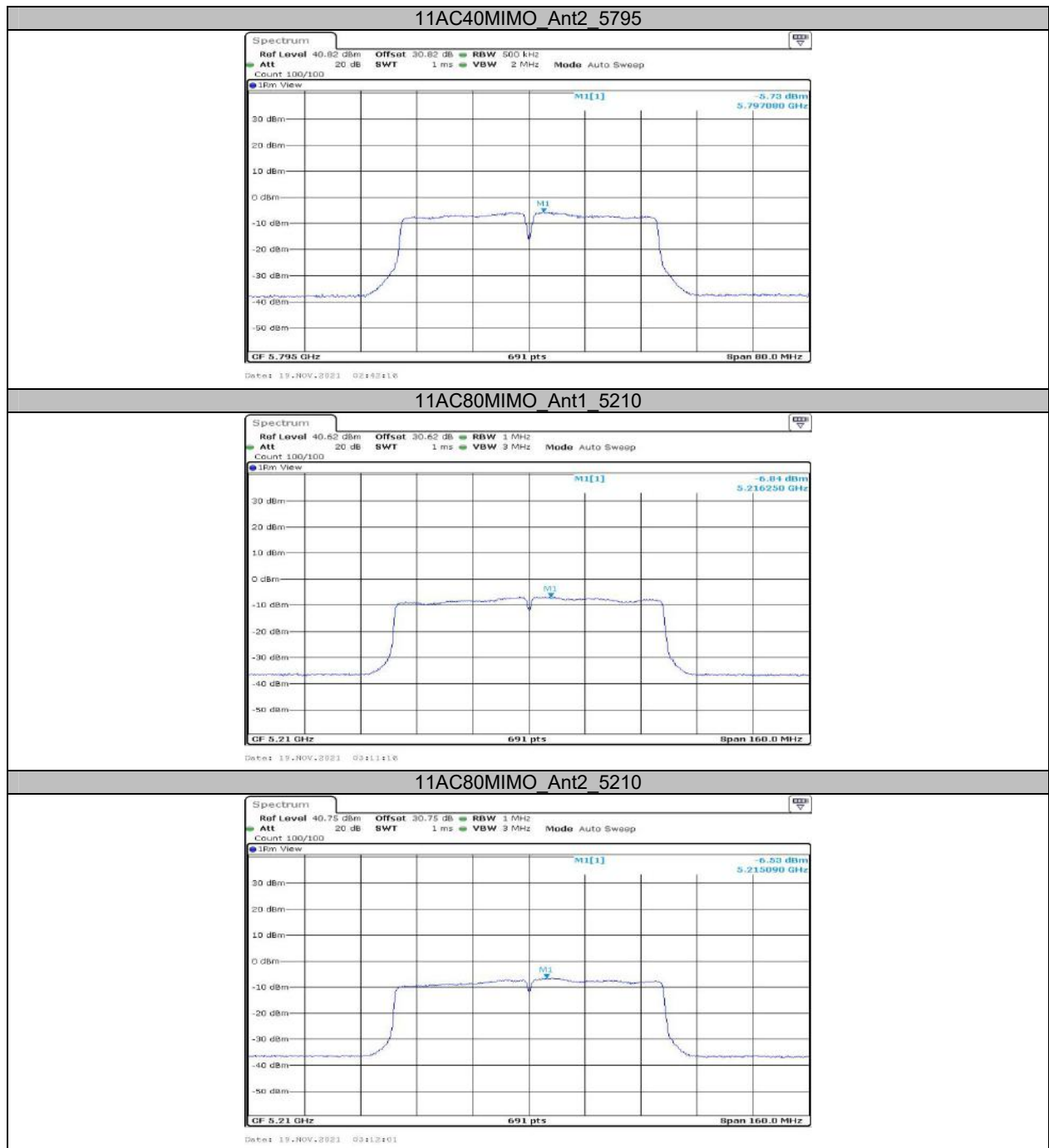


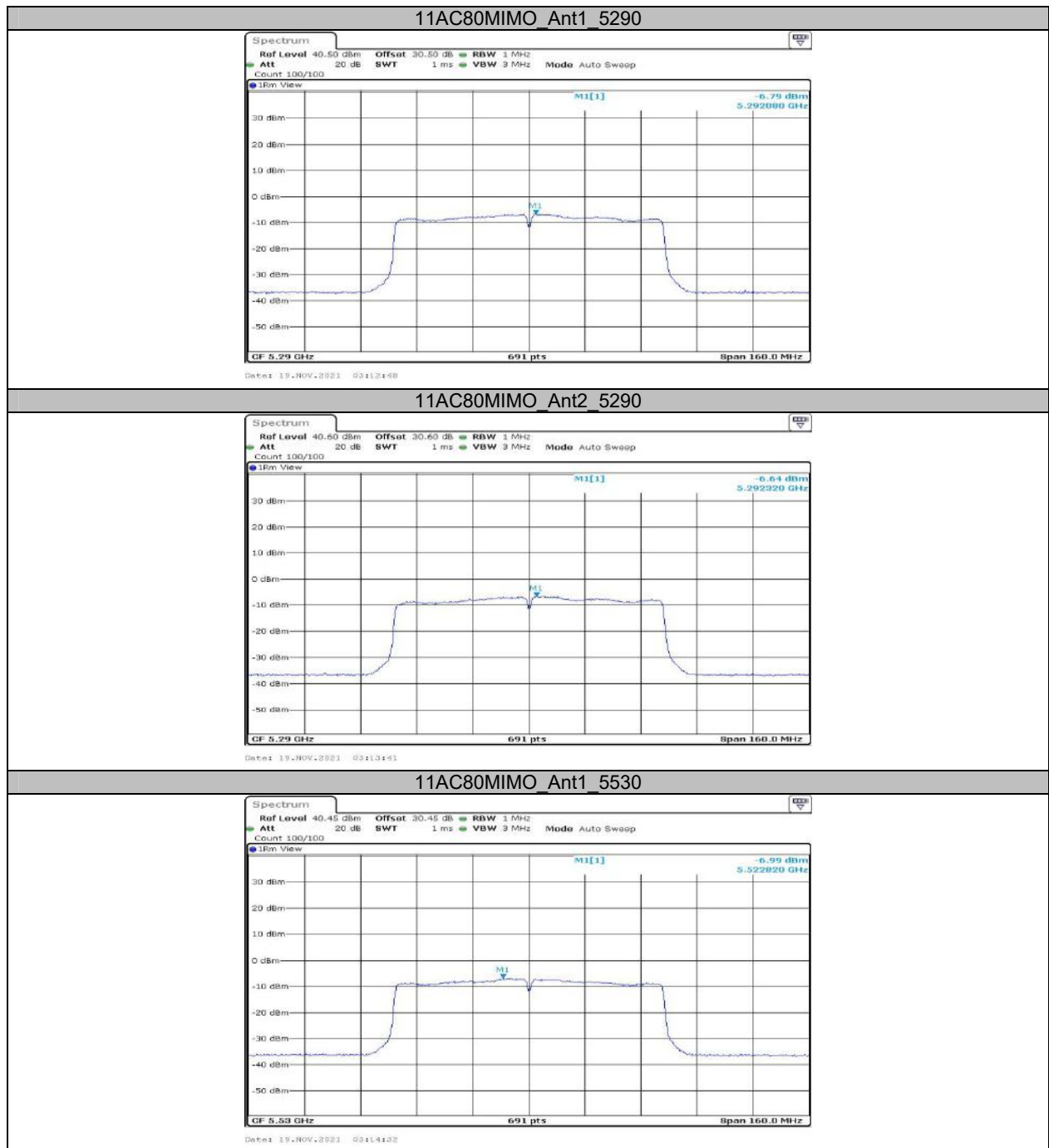
11AC40MIMO_Ant2_5755



11AC40MIMO_Ant1_5795







11AC80MIMO_Ant2_5530



11AC80MIMO_Ant1_5610



11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5690_UNII-2C

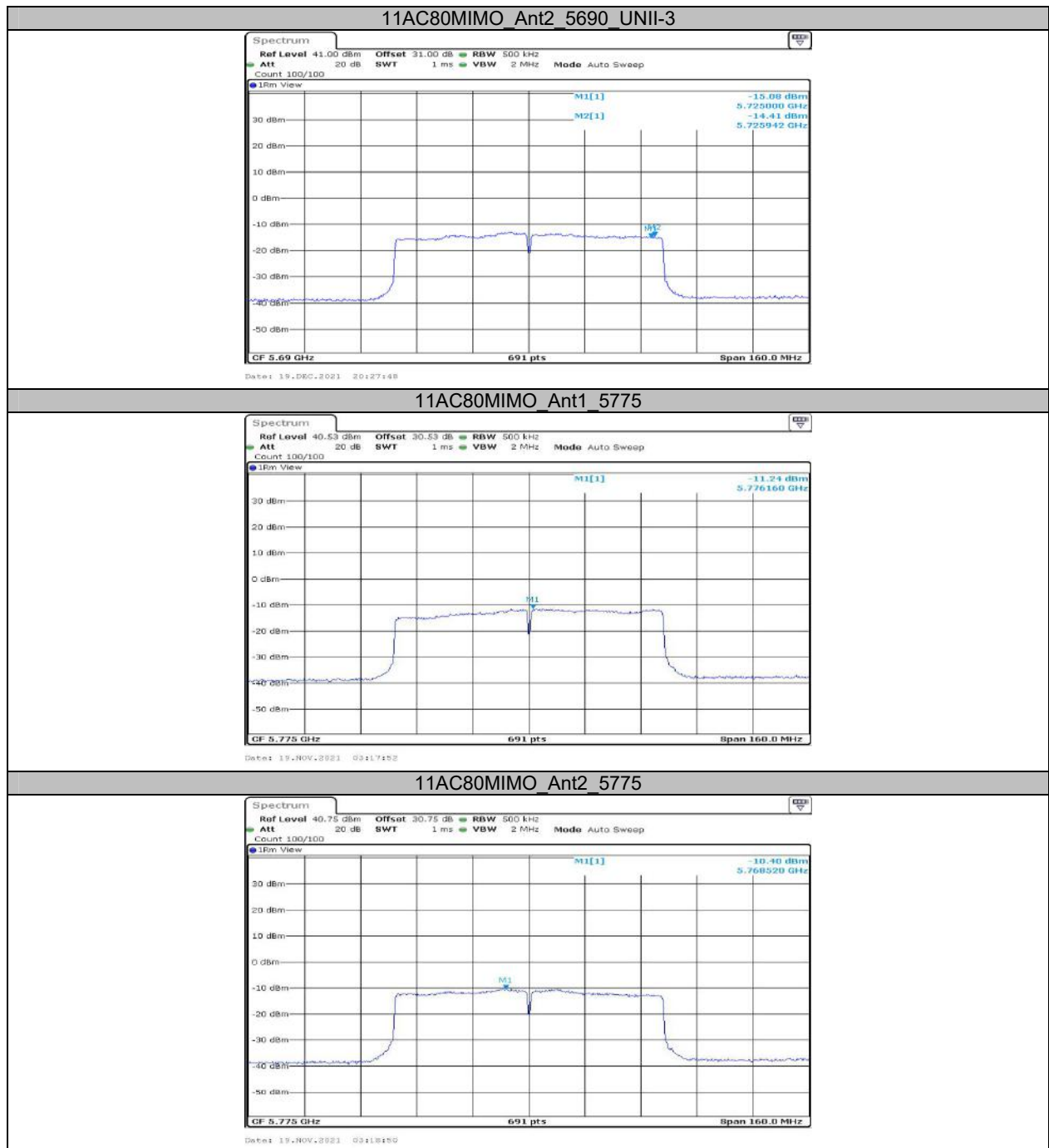


11AC80MIMO_Ant2_5690_UNII-2C



11AC80MIMO_Ant1_5690_UNII-3



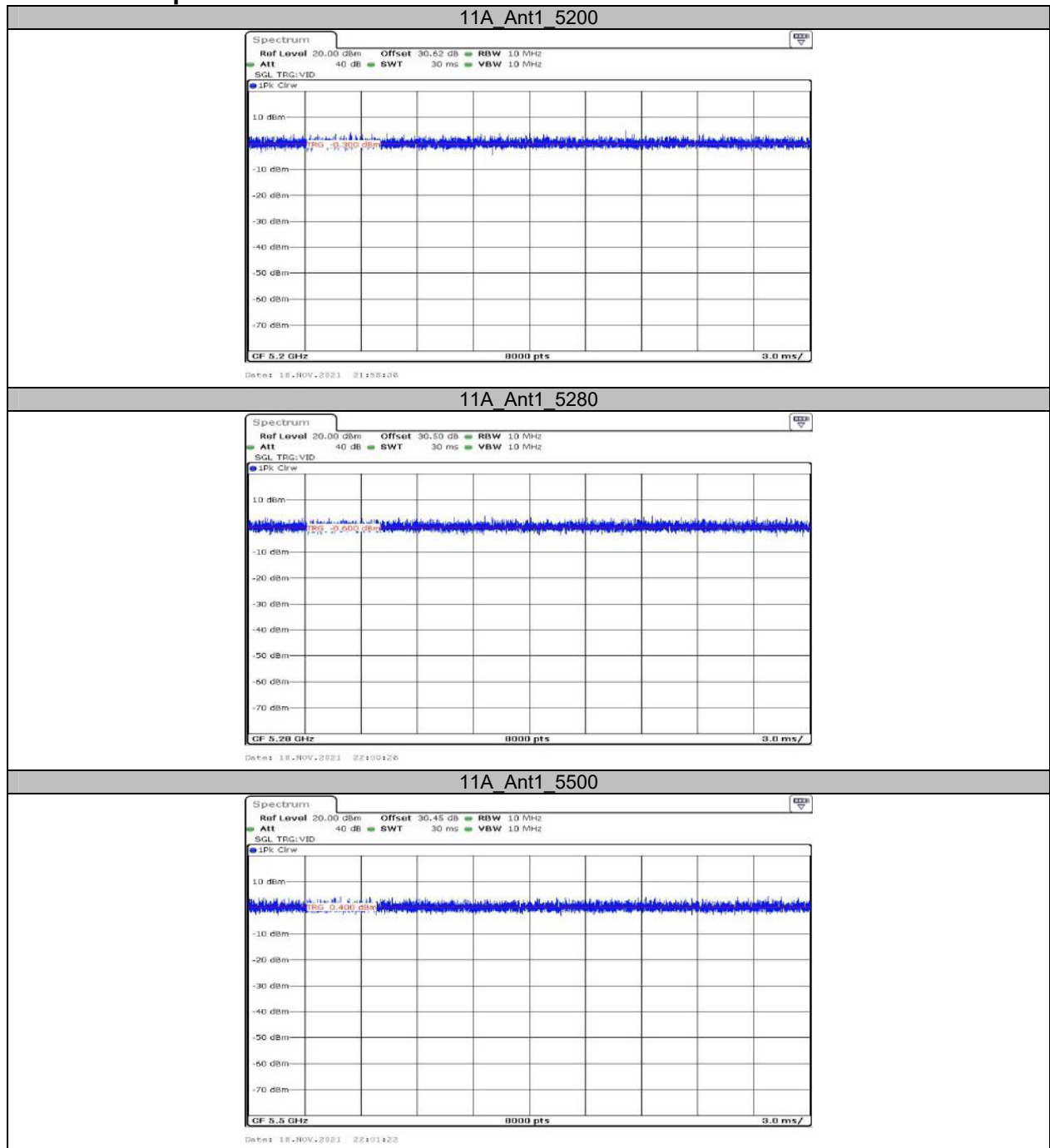


Appendix D: Duty Cycle Test Result

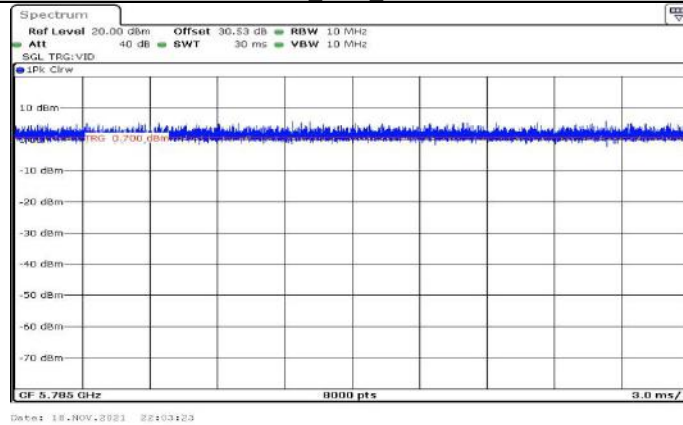
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5200	30.00	30.00	100.00
	Ant1	5280	30.00	30.00	100.00
	Ant1	5500	30.00	30.00	100.00
	Ant1	5785	30.00	30.00	100.00
11N20MIMO	Ant1	5200	30.00	30.00	100.00
	Ant1	5280	30.00	30.00	100.00
	Ant1	5500	30.00	30.00	100.00
	Ant1	5785	30.00	30.00	100.00
11N40MIMO	Ant1	5190	30.00	30.00	100.00
	Ant1	5310	30.00	30.00	100.00
	Ant1	5510	30.00	30.00	100.00
	Ant1	5755	30.00	30.00	100.00
11AC20MIMO	Ant1	5200	30.00	30.00	100.00
	Ant1	5280	30.00	30.00	100.00
	Ant1	5500	30.00	30.00	100.00
	Ant1	5785	30.00	30.00	100.00
11AC40MIMO	Ant1	5190	30.00	30.00	100.00
	Ant1	5270	30.00	30.00	100.00
	Ant1	5510	30.00	30.00	100.00
	Ant1	5755	30.00	30.00	100.00
11AC80MIMO	Ant1	5210	30.00	30.00	100.00
	Ant1	5290	30.00	30.00	100.00
	Ant1	5530	30.00	30.00	100.00
	Ant1	5775	30.00	30.00	100.00

Test Graphs

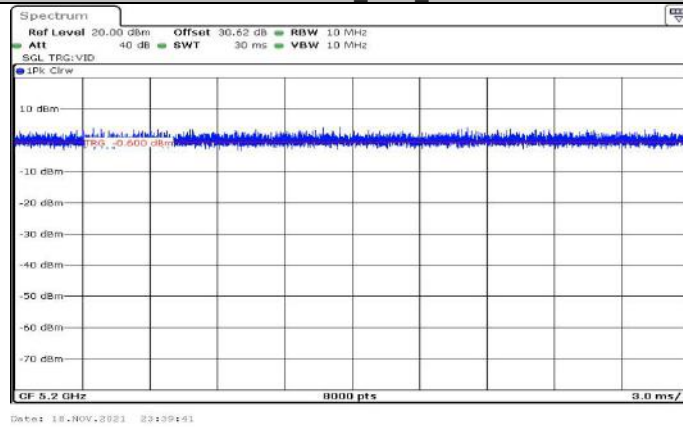
Test Graphs



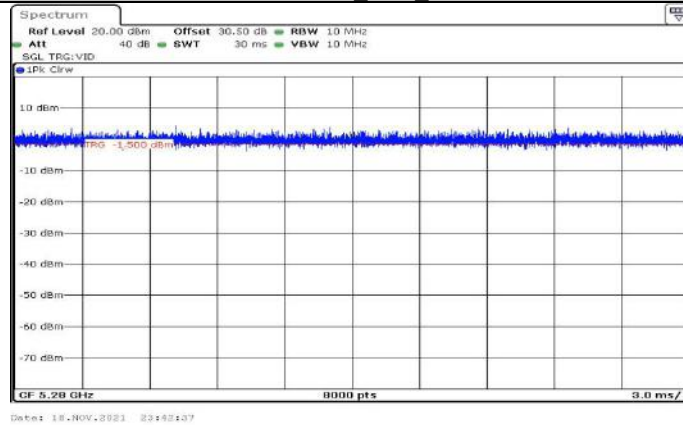
11A_Ant1_5785



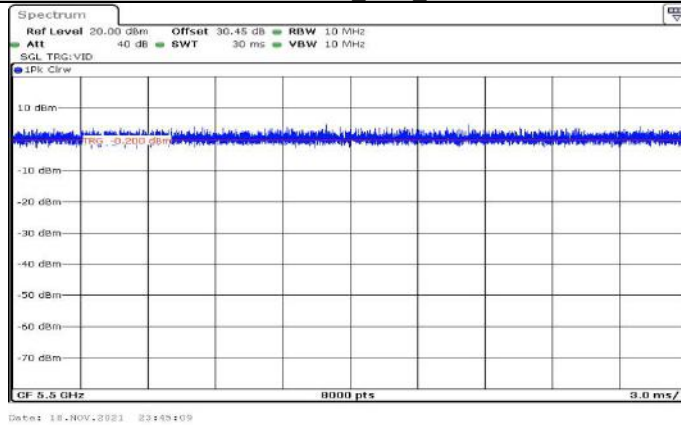
11N20MIMO_Ant1_5200



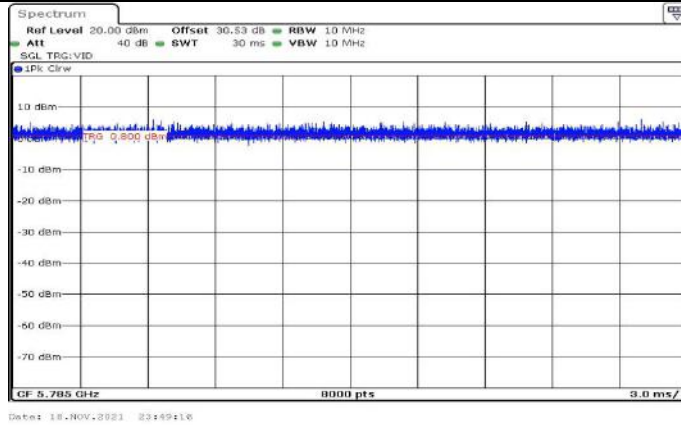
11N20MIMO_Ant1_5280



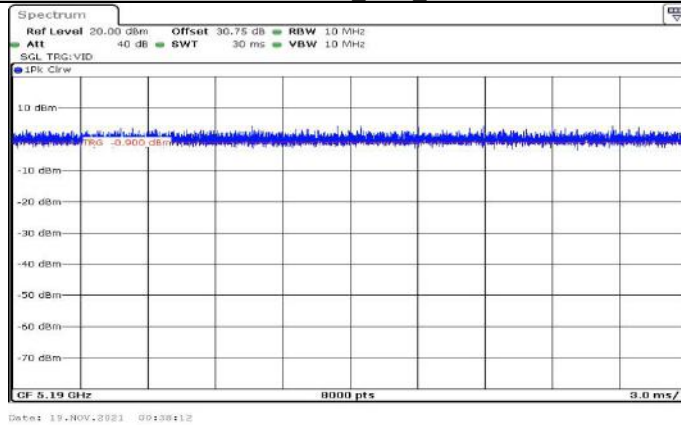
11N20MIMO_Ant1_5500



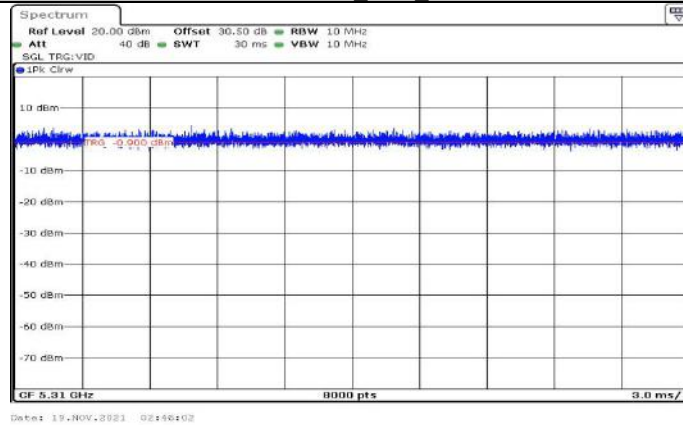
11N20MIMO_Ant1_5785



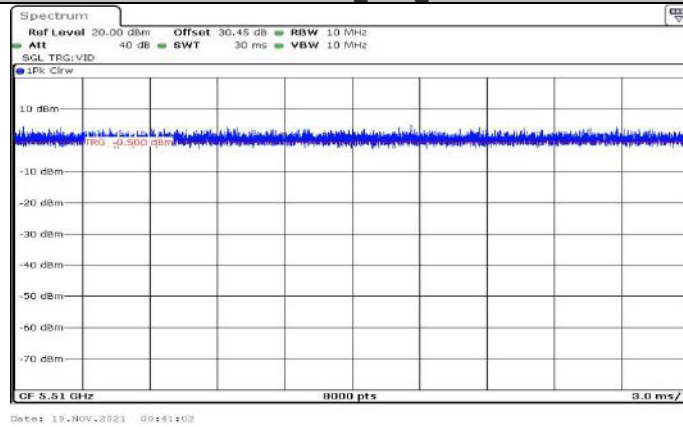
11N40MIMO_Ant2_5190



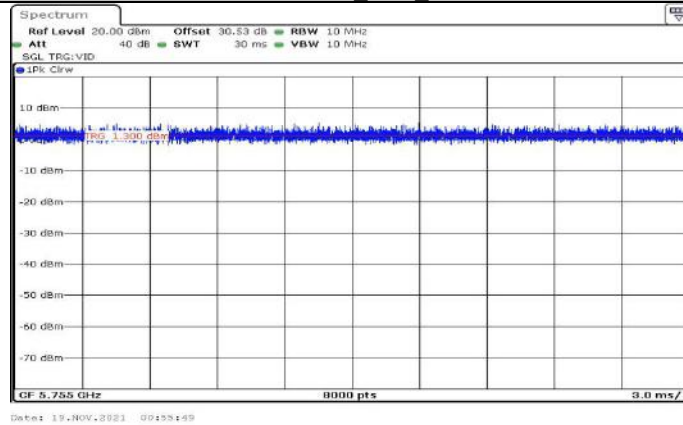
11N40MIMO_Ant1_5310



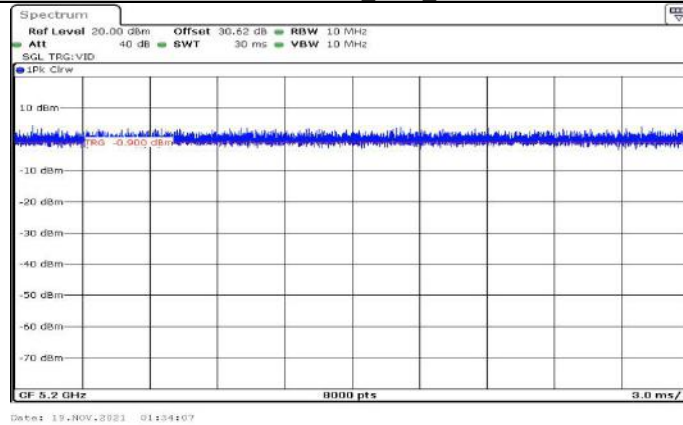
11N40MIMO_Ant1_5510



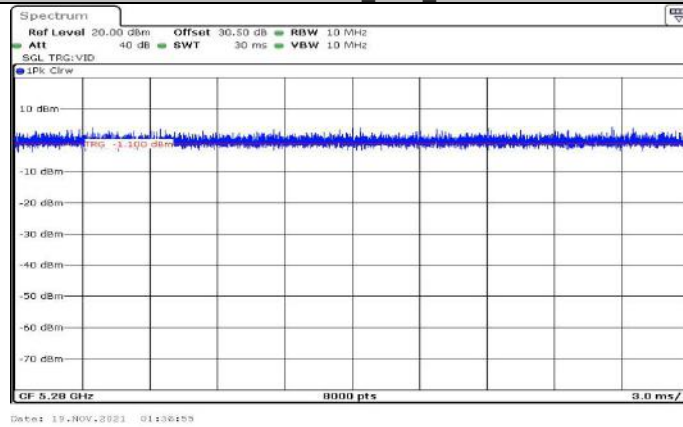
11N40MIMO_Ant1_5755



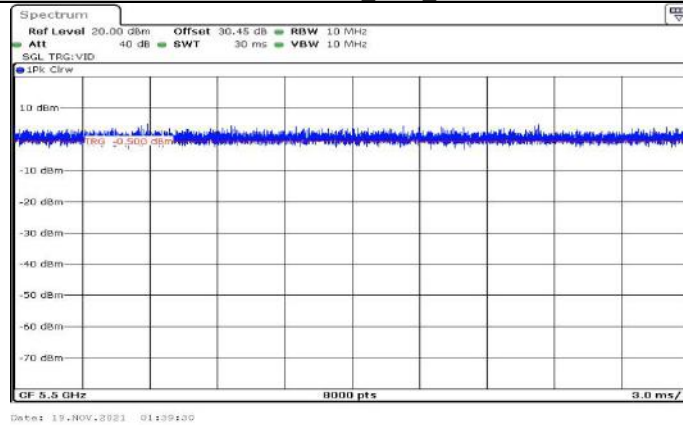
11AC20MIMO_Ant1_5200



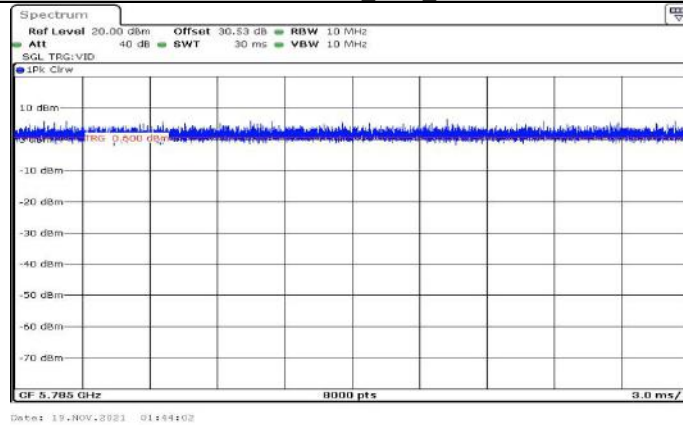
11AC20MIMO_Ant1_5280



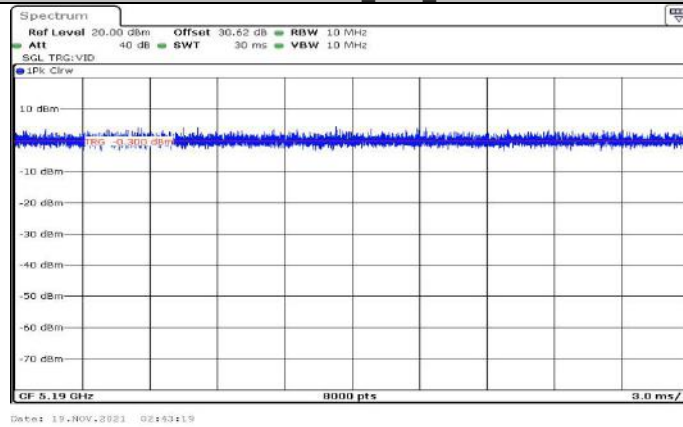
11AC20MIMO_Ant1_5500



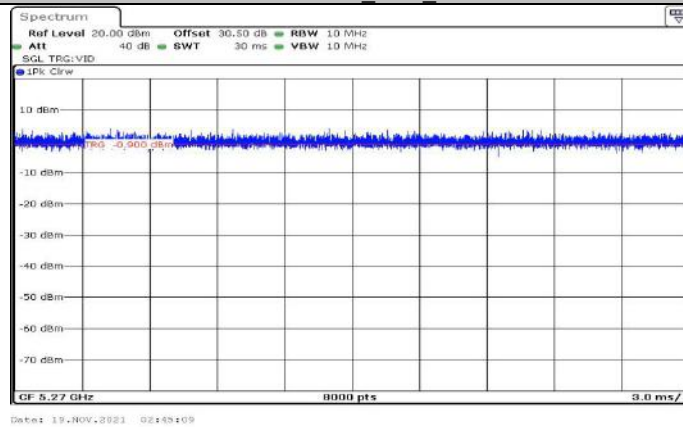
11AC20MIMO_Ant1_5785



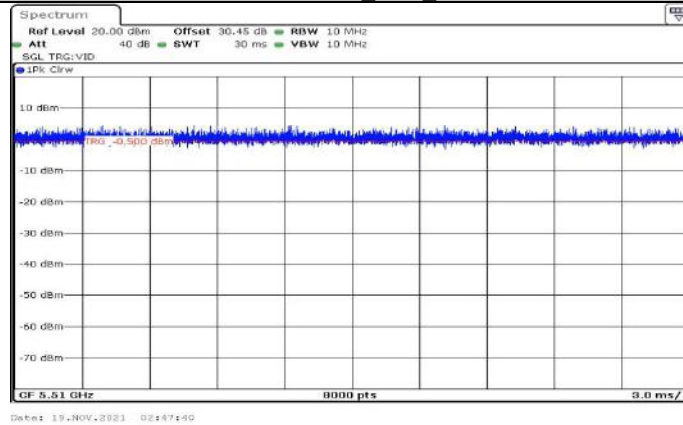
11AC40MIMO_Ant1_5190



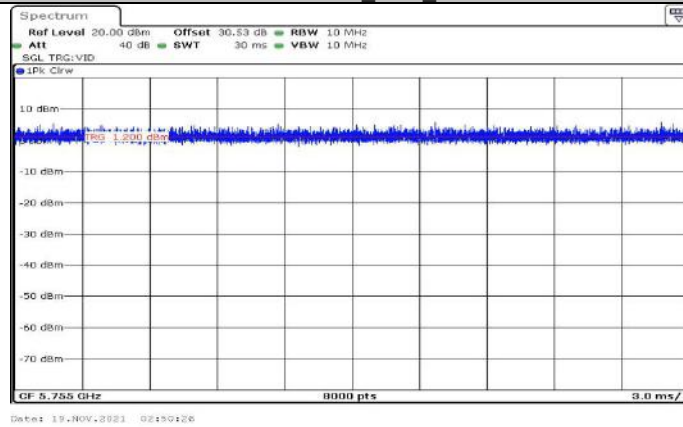
11AC40MIMO_Ant1_5270



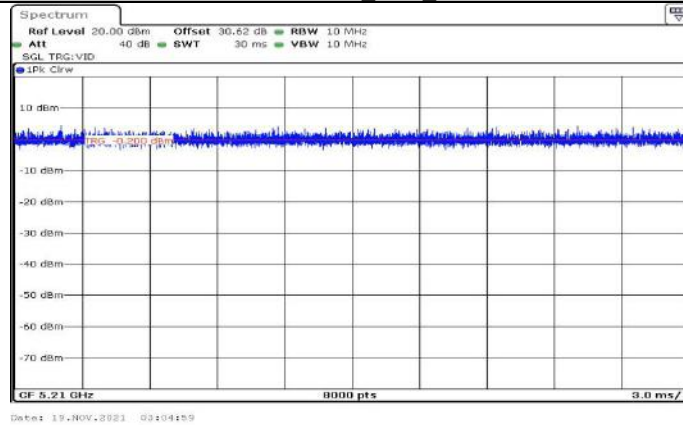
11AC40MIMO_Ant1_5510

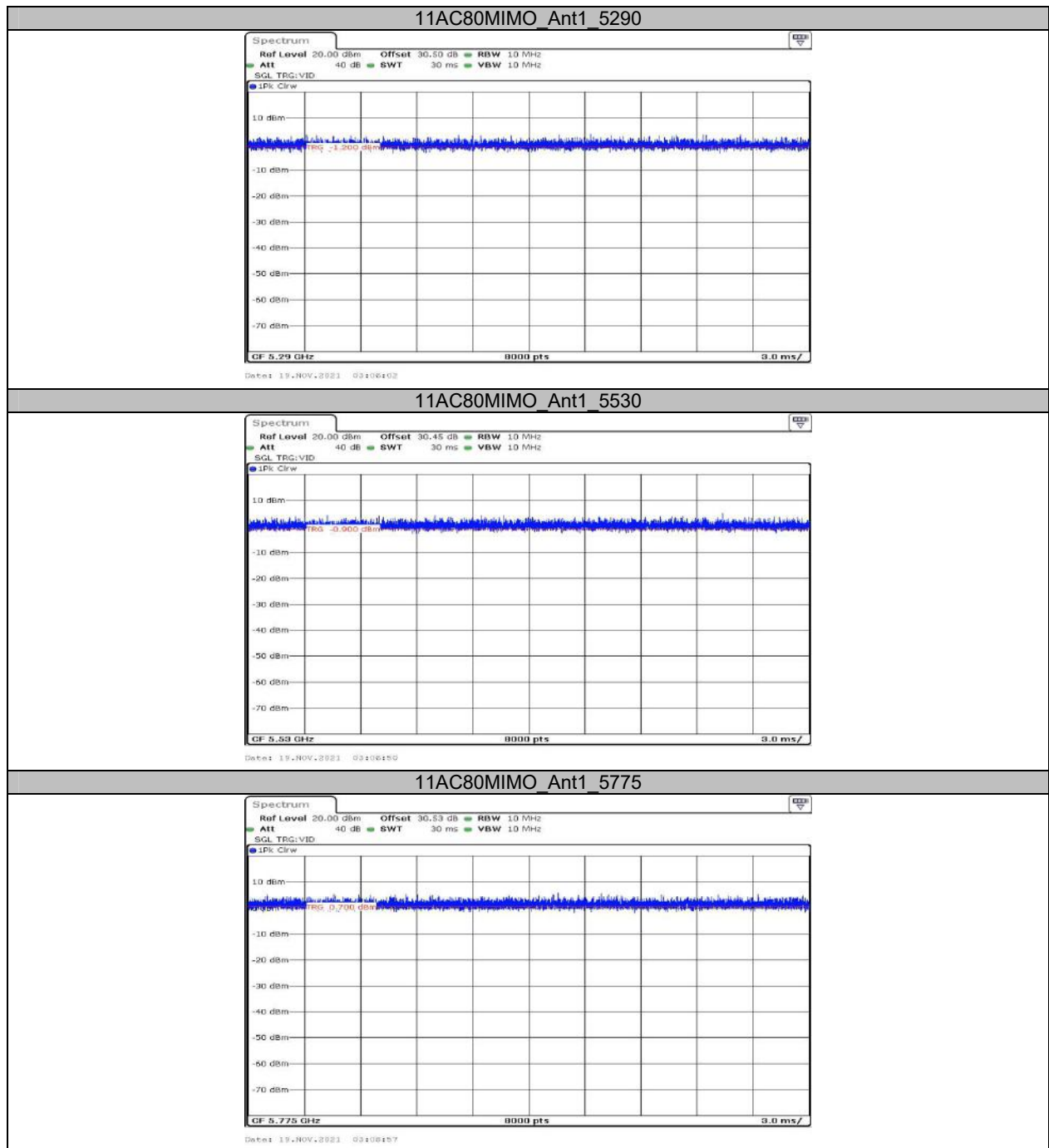


11AC40MIMO_Ant1_5755



11AC80MIMO_Ant1_5210





***** END OF REPORT *****