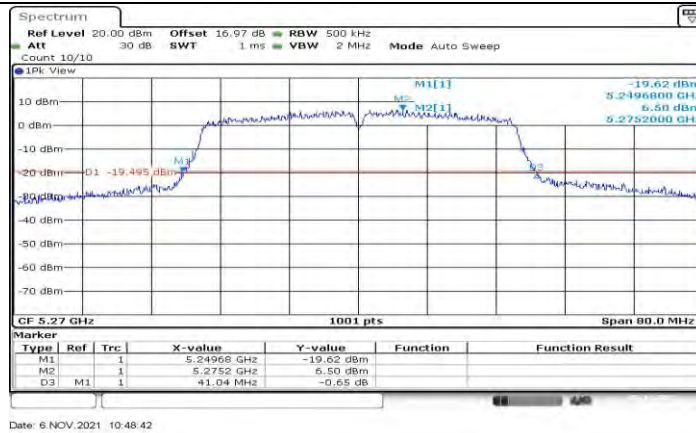
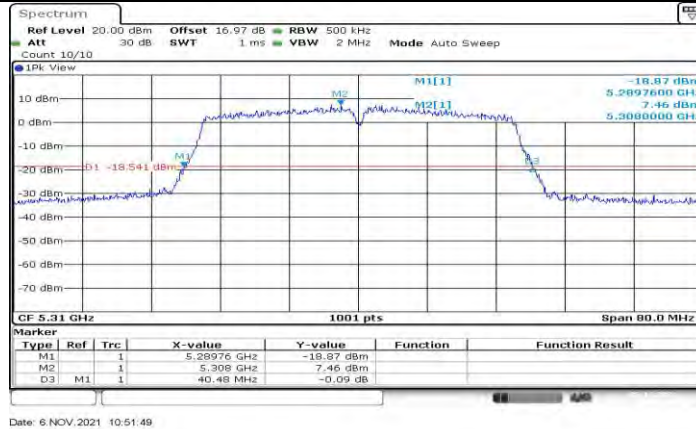




11N40MIMO Ant2 5270



11N40MIMO Ant1 5310



11N40MIMO Ant2 5310



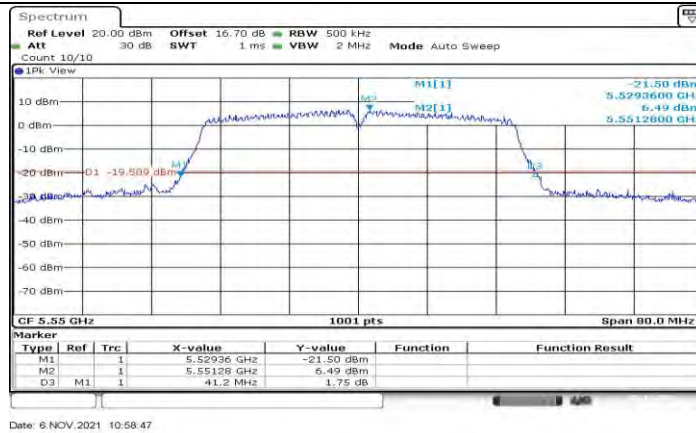
11N40MIMO Ant1 5510



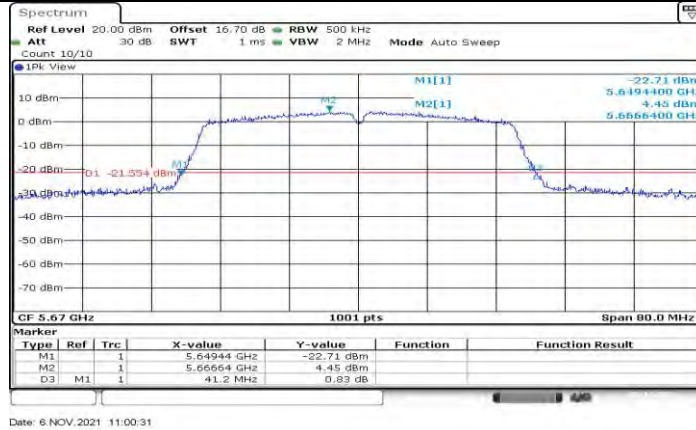
11N40MIMO Ant2 5510



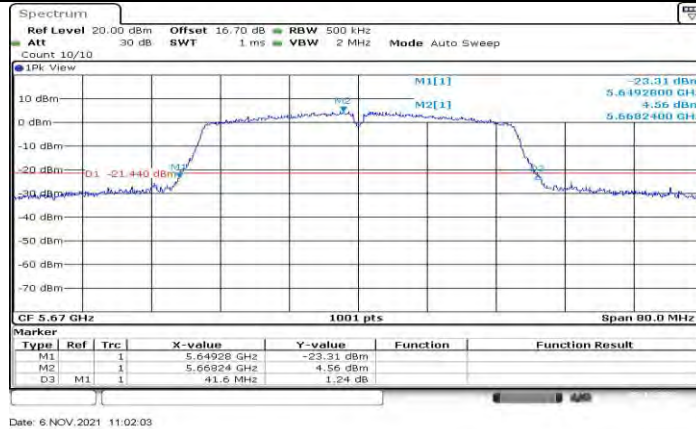
11N40MIMO Ant1 5550



11N40MIMO Ant2 5550



11N40MIMO Ant1 5670



11N40MIMO Ant2 5670



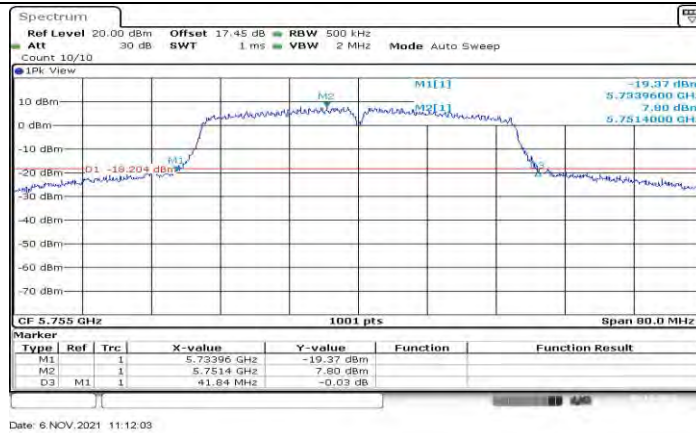
11N40MIMO Ant1 5710



11N40MIMO Ant2 5710



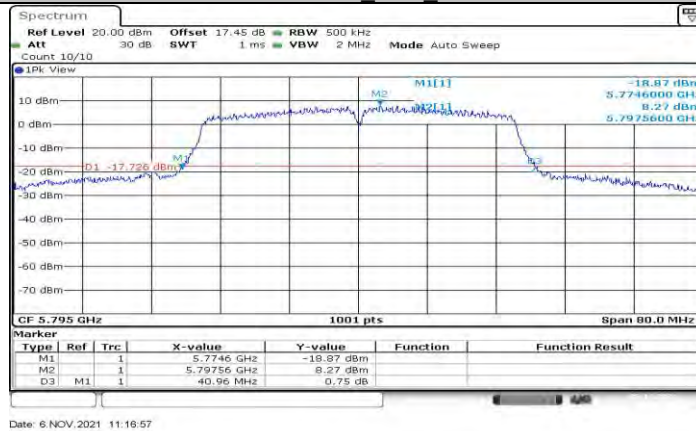
11N40MIMO Ant1 5755



11N40MIMO Ant2 5755



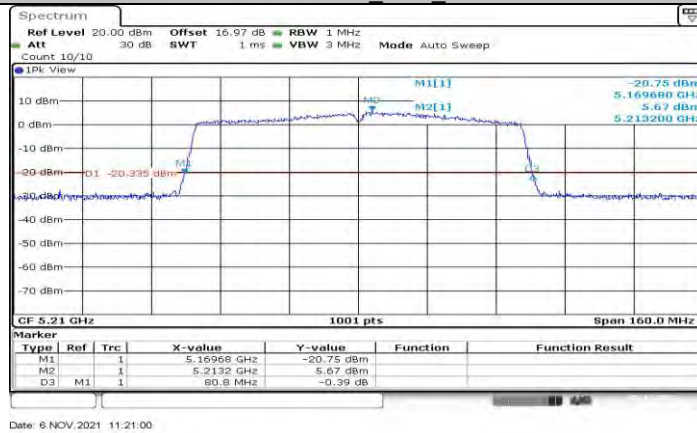
11N40MIMO Ant1 5795



11N40MIMO Ant2 5795



11AC80MIMO_Ant1_5210



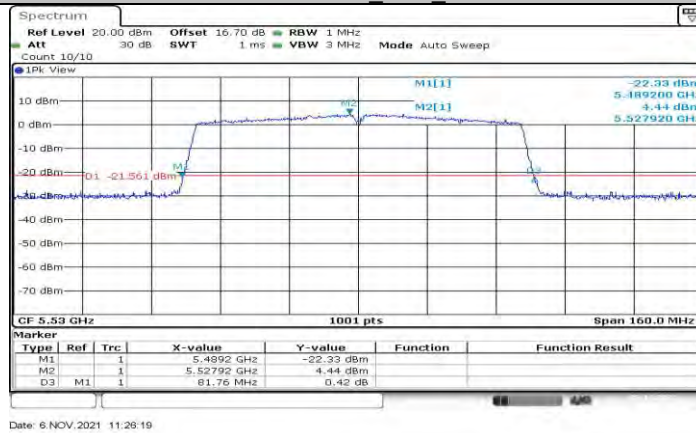
11AC80MIMO_Ant2_5210



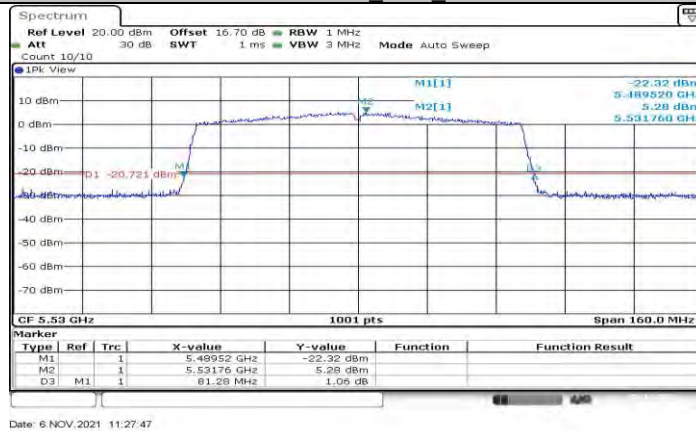
11AC80MIMO_Ant1_5290



11AC80MIMO_Ant2_5290



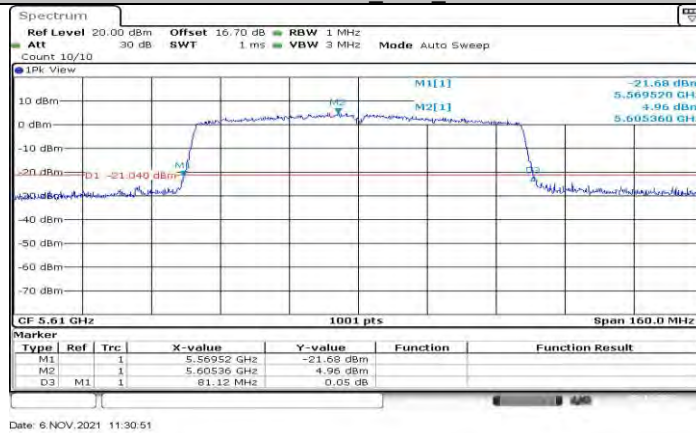
11AC80MIMO_Ant1_5530



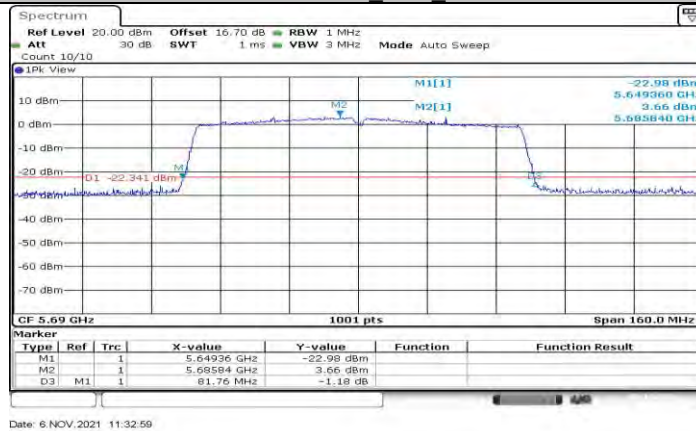
11AC80MIMO_Ant2_5530



11AC80MIMO_Ant1_5610



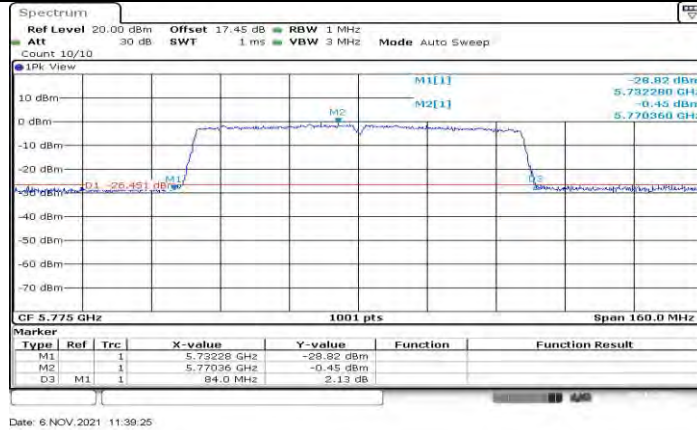
11AC80MIMO_Ant2_5610



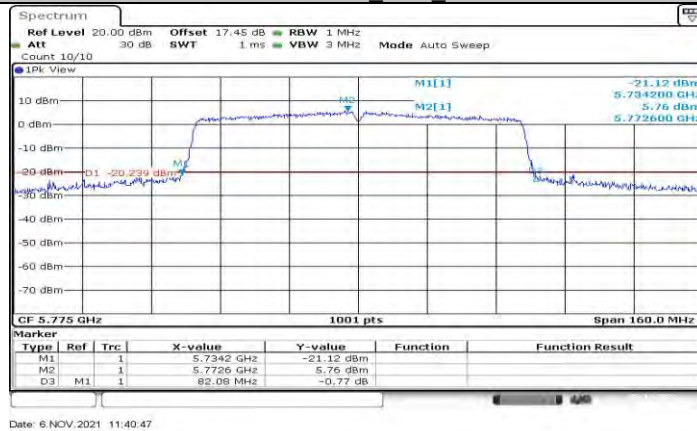
11AC80MIMO_Ant1_5690



11AC80MIMO_Ant2_5690



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

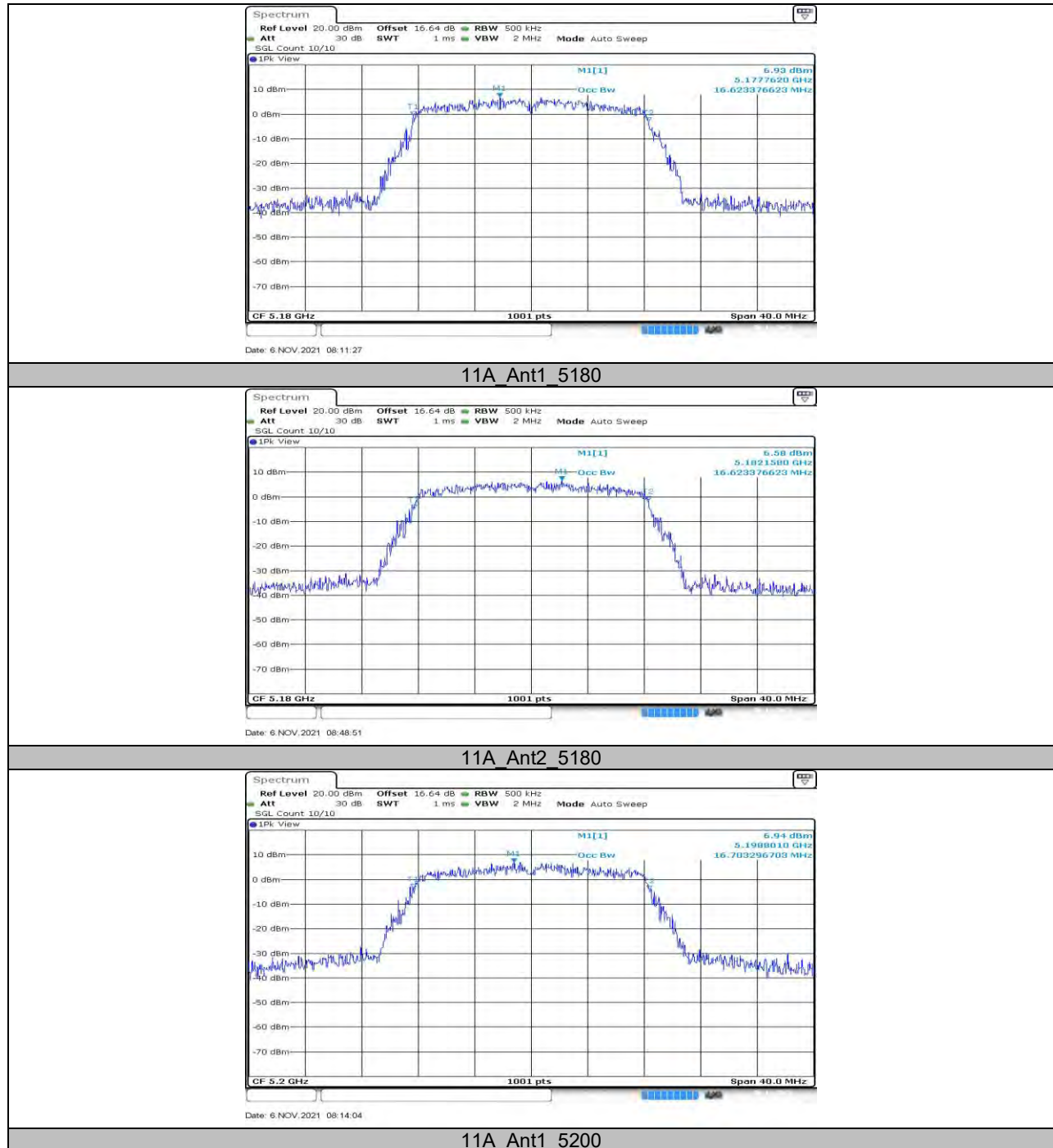
**12.2. Appendix A2: Occupied channel bandwidth****12.2.1. Test Result**

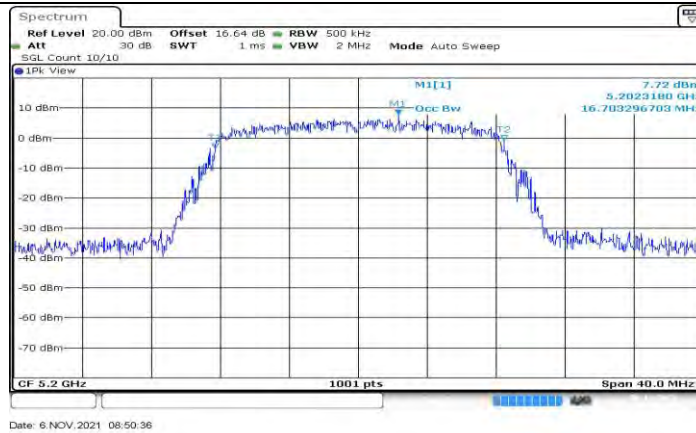
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	16.623	5171.648	5188.272	PASS
	Ant2	5180	16.623	5171.688	5188.312	PASS
	Ant1	5200	16.703	5191.648	5208.352	PASS
	Ant2	5200	16.703	5191.728	5208.432	PASS
	Ant1	5240	16.543	5231.688	5248.232	PASS
	Ant2	5240	16.583	5231.768	5248.352	PASS
	Ant1	5260	16.663	5251.728	5268.392	PASS
	Ant2	5260	16.663	5251.728	5268.392	PASS
	Ant1	5280	16.583	5271.728	5288.312	PASS
	Ant2	5280	16.583	5271.728	5288.312	PASS
	Ant1	5320	16.703	5311.648	5328.352	PASS
	Ant2	5320	16.703	5311.648	5328.352	PASS
	Ant1	5500	16.503	5491.768	5508.272	PASS
	Ant2	5500	16.663	5491.648	5508.312	PASS
	Ant1	5580	16.663	5571.728	5588.392	PASS
	Ant2	5580	16.623	5571.728	5588.352	PASS
	Ant1	5700	16.743	5691.688	5708.432	PASS
	Ant2	5700	16.743	5691.728	5708.472	PASS
	Ant1	5720	16.783	5711.608	5728.392	PASS
	Ant2	5720	16.543	5711.768	5728.312	PASS
	Ant1	5720_UNII-2C	13.392	5711.608	5725	PASS
	Ant2	5720_UNII-2C	13.232	5711.768	5725	PASS
	Ant1	5720_UNII-3	3.392	5725	5728.392	PASS
	Ant2	5720_UNII-3	3.312	5725	5728.312	PASS
	Ant1	5745	16.663	5736.608	5753.272	PASS
	Ant2	5745	16.783	5736.648	5753.432	PASS
	Ant1	5785	16.703	5776.728	5793.432	PASS
	Ant2	5785	16.783	5776.568	5793.352	PASS
	Ant1	5825	17.183	5816.329	5833.511	PASS
	Ant2	5825	16.583	5816.688	5833.272	PASS
11N20MIMO	Ant1	5180	17.782	5171.129	5188.911	PASS
	Ant2	5180	17.742	5171.129	5188.871	PASS
	Ant1	5200	17.782	5191.129	5208.911	PASS
	Ant2	5200	17.782	5191.129	5208.911	PASS
	Ant1	5240	17.702	5231.129	5248.831	PASS
	Ant2	5240	17.702	5231.169	5248.871	PASS
	Ant1	5260	17.742	5251.129	5268.871	PASS
	Ant2	5260	17.742	5251.169	5268.911	PASS
	Ant1	5280	17.782	5271.209	5288.991	PASS
	Ant2	5280	17.782	5271.129	5288.911	PASS
	Ant1	5320	17.662	5311.209	5328.871	PASS
	Ant2	5320	17.742	5311.209	5328.951	PASS
	Ant1	5500	17.662	5491.169	5508.831	PASS
	Ant2	5500	17.742	5491.169	5508.911	PASS
	Ant1	5580	17.702	5571.169	5588.871	PASS
	Ant2	5580	17.742	5571.129	5588.871	PASS
	Ant1	5700	17.702	5691.129	5708.831	PASS
	Ant2	5700	17.782	5691.169	5708.951	PASS
	Ant1	5720	17.782	5711.129	5728.911	PASS
	Ant2	5720	17.862	5711.089	5728.951	PASS
	Ant1	5720_UNII-2C	13.871	5711.129	5725	PASS
	Ant2	5720_UNII-2C	13.911	5711.089	5725	PASS



	Ant1	5720 UNII-3	3.911	5725	5728.911	PASS
	Ant2	5720 UNII-3	3.951	5725	5728.951	PASS
	Ant1	5745	17.622	5736.169	5753.791	PASS
	Ant2	5745	17.662	5736.209	5753.871	PASS
	Ant1	5785	17.742	5776.209	5793.951	PASS
	Ant2	5785	17.822	5776.089	5793.911	PASS
	Ant1	5825	17.982	5815.929	5833.911	PASS
	Ant2	5825	17.662	5816.209	5833.871	PASS
11N40MIMO	Ant1	5190	36.284	5171.938	5208.222	PASS
	Ant2	5190	36.204	5172.098	5208.302	PASS
	Ant1	5230	36.044	5212.098	5248.142	PASS
	Ant2	5230	35.964	5212.098	5248.062	PASS
	Ant1	5270	36.204	5252.018	5288.222	PASS
	Ant2	5270	36.124	5252.098	5288.222	PASS
	Ant1	5310	36.124	5291.938	5328.062	PASS
	Ant2	5310	36.204	5291.938	5328.142	PASS
	Ant1	5510	36.124	5492.018	5528.142	PASS
	Ant2	5510	36.204	5491.858	5528.062	PASS
	Ant1	5550	36.124	5532.018	5568.142	PASS
	Ant2	5550	36.204	5532.018	5568.222	PASS
	Ant1	5670	36.044	5652.098	5688.142	PASS
	Ant2	5670	36.204	5652.018	5688.222	PASS
	Ant1	5710	36.284	5691.938	5728.222	PASS
	Ant2	5710	36.284	5691.938	5728.222	PASS
	Ant1	5710 UNII-2C	33.062	5691.938	5725	PASS
	Ant2	5710 UNII-2C	33.062	5691.938	5725	PASS
	Ant1	5710 UNII-3	3.222	5725	5728.222	PASS
	Ant2	5710 UNII-3	3.222	5725	5728.222	PASS
	Ant1	5755	36.364	5736.778	5773.142	PASS
	Ant2	5755	36.284	5736.858	5773.142	PASS
	Ant1	5795	36.284	5777.018	5813.302	PASS
	Ant2	5795	36.284	5777.018	5813.302	PASS
11AC80MIMO	Ant1	5210	75.604	5172.278	5247.882	PASS
	Ant2	5210	75.445	5172.278	5247.722	PASS
	Ant1	5290	75.445	5252.438	5327.882	PASS
	Ant2	5290	75.445	5252.438	5327.882	PASS
	Ant1	5530	75.604	5492.278	5567.882	PASS
	Ant2	5530	75.445	5492.438	5567.882	PASS
	Ant1	5610	75.764	5572.118	5647.882	PASS
	Ant2	5610	75.764	5572.278	5648.042	PASS
	Ant1	5690	75.764	5652.278	5728.042	PASS
	Ant2	5690	75.604	5652.278	5727.882	PASS
	Ant1	5690 UNII-2C	72.722	5652.278	5725	PASS
	Ant2	5690 UNII-2C	72.722	5652.278	5725	PASS
	Ant1	5690 UNII-3	3.042	5725	5728.042	PASS
	Ant2	5690 UNII-3	2.882	5725	5727.882	PASS
	Ant1	5775	76.244	5736.798	5813.042	PASS
	Ant2	5775	75.924	5737.118	5813.042	PASS

12.2.2. Test Graphs





11A Ant2 5200



11A Ant1 5240



11A Ant2 5240



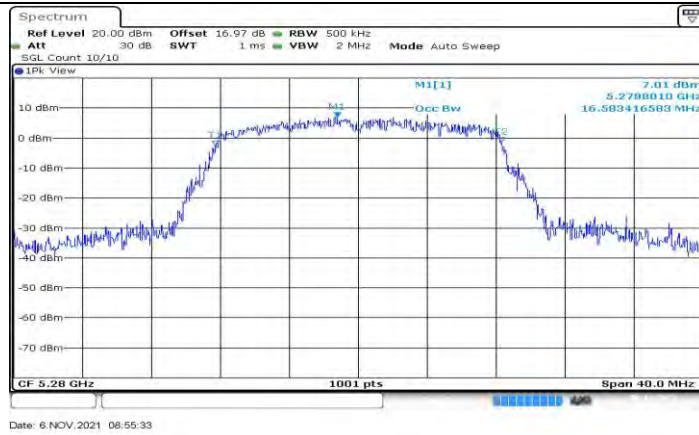
11A Ant1 5260



11A Ant2 5260



11A Ant1 5280



11A Ant2 5280



11A Ant1 5320



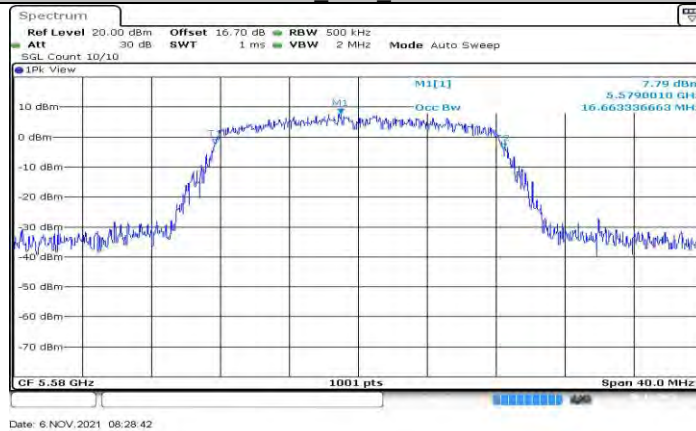
11A Ant2 5320



11A Ant1 5500



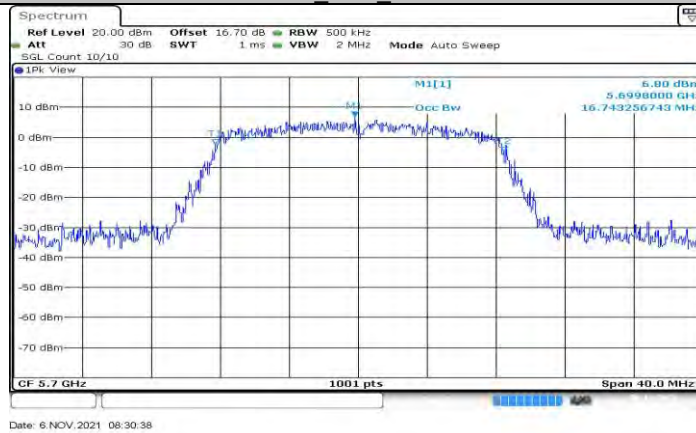
11A Ant2 5500



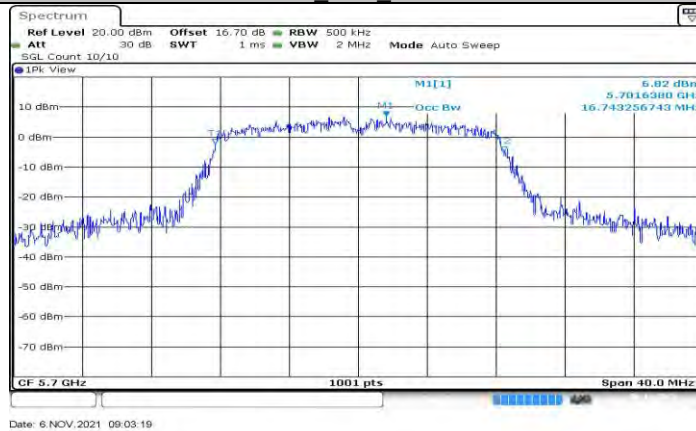
11A Ant1 5580



11A Ant2 5580



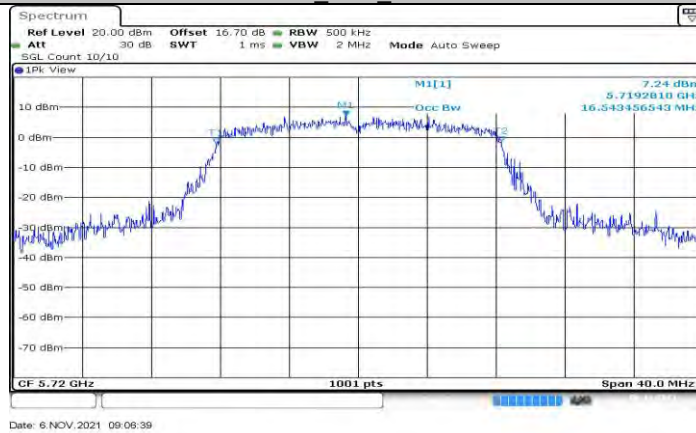
11A Ant1 5700



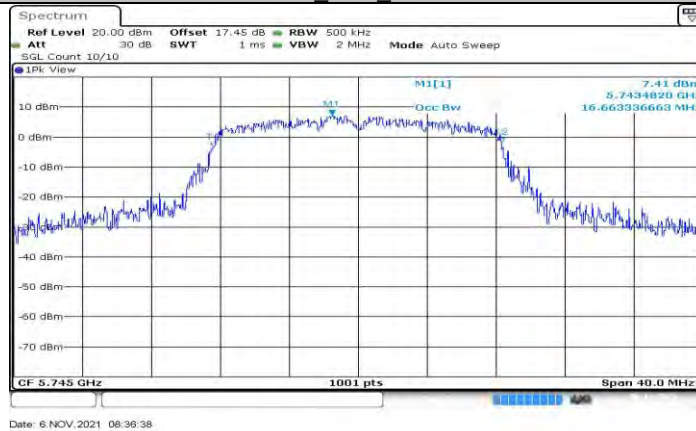
11A Ant2 5700



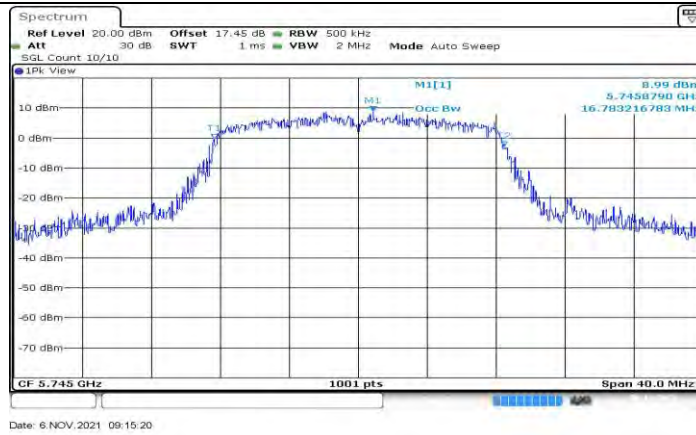
11A Ant1 5720



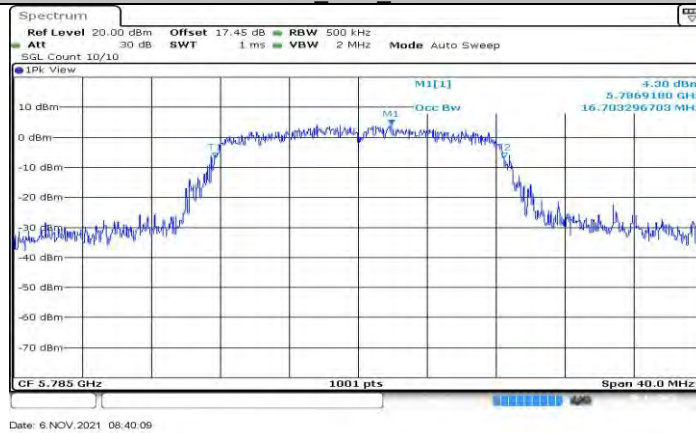
11A Ant2 5720



11A Ant1 5745



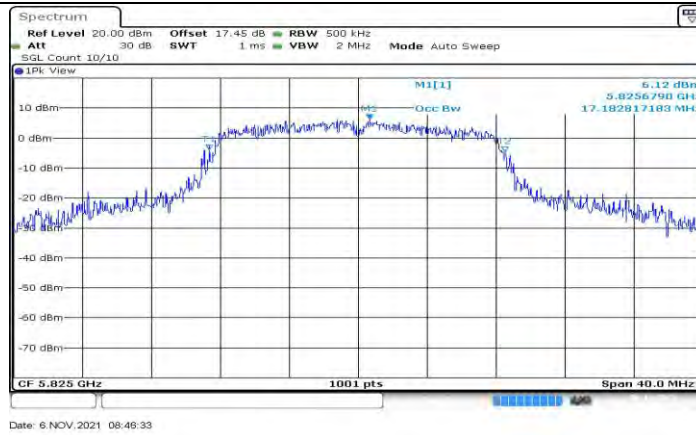
11A Ant2 5745



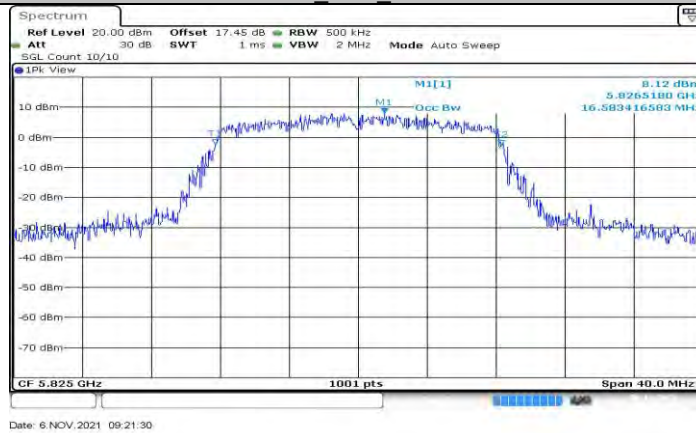
11A Ant1 5785



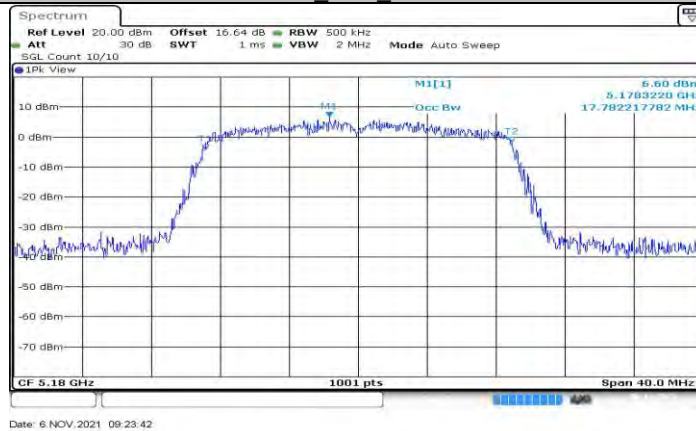
11A Ant2 5785



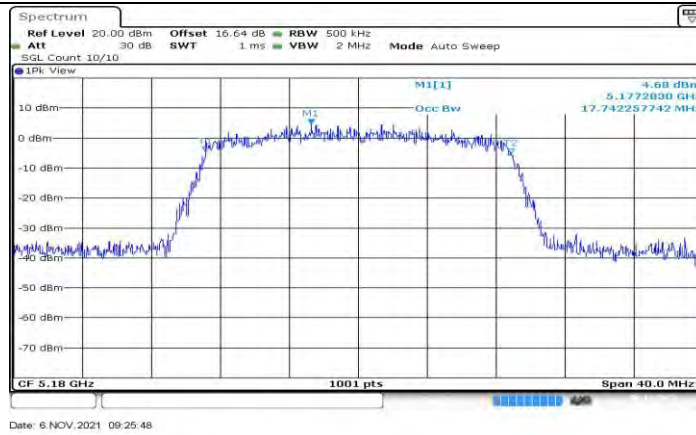
11A Ant1 5825



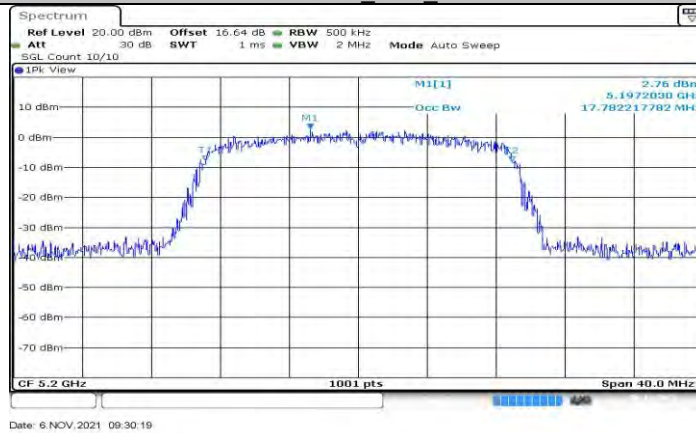
11A Ant2 5825



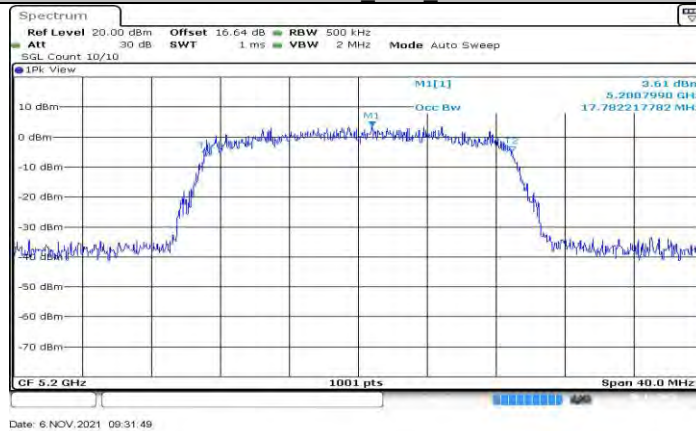
11N20MIMO Ant1 5180



11N20MIMO Ant2 5180



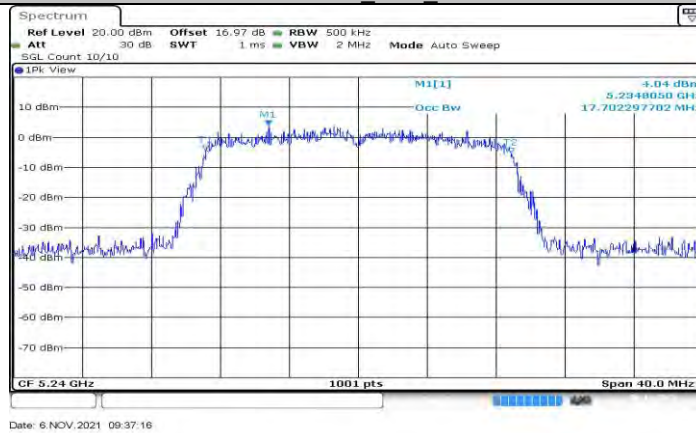
11N20MIMO Ant1 5200



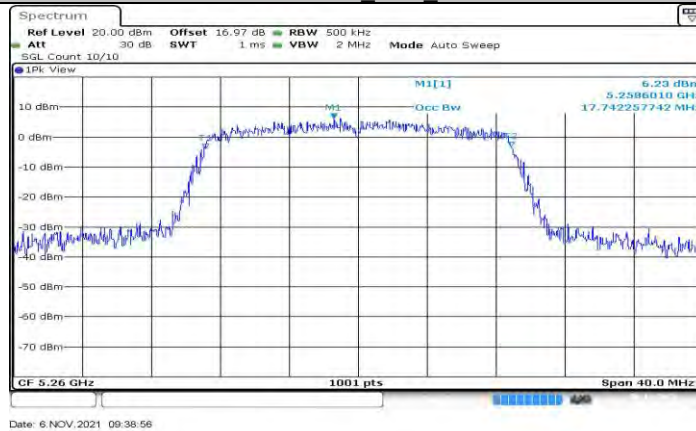
11N20MIMO Ant2 5200



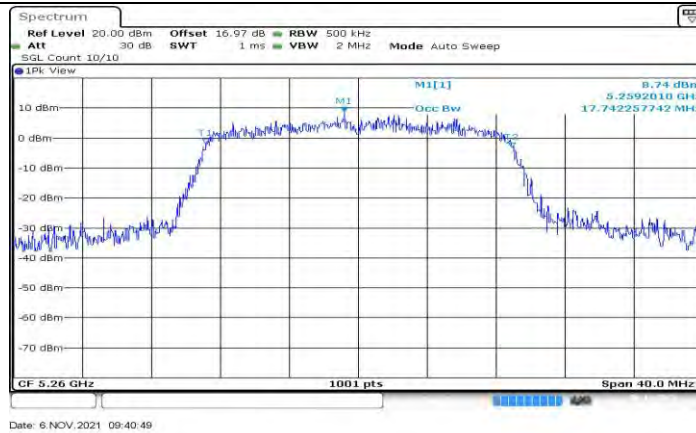
11N20MIMO Ant1 5240



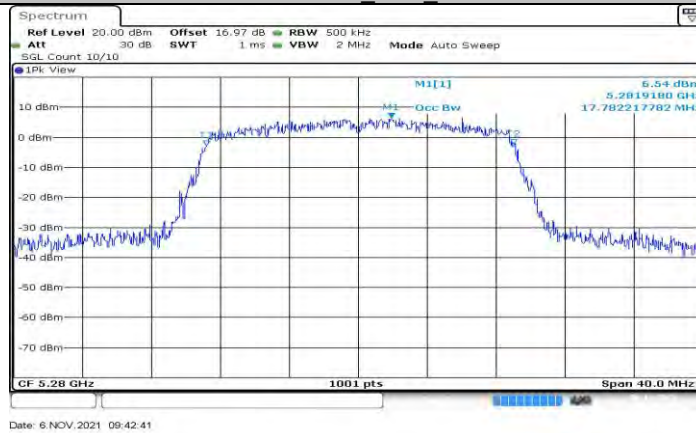
11N20MIMO Ant2 5240



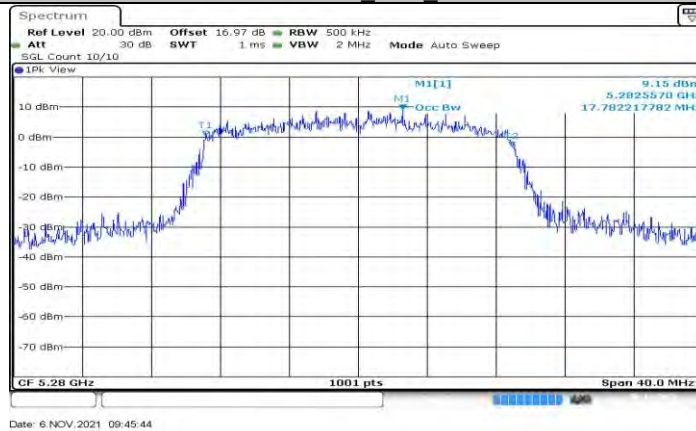
11N20MIMO Ant1 5260



11N20MIMO Ant2 5260



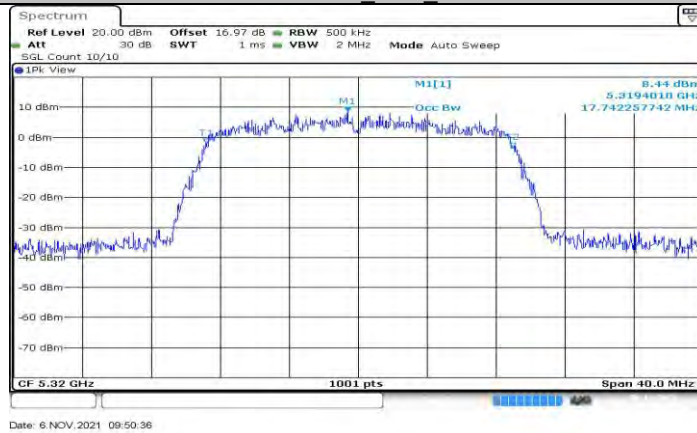
11N20MIMO Ant1 5280



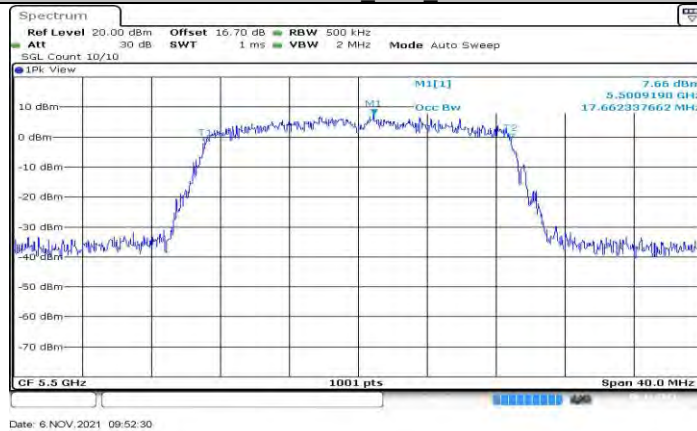
11N20MIMO Ant2 5280



11N20MIMO Ant1 5320



11N20MIMO Ant2 5320



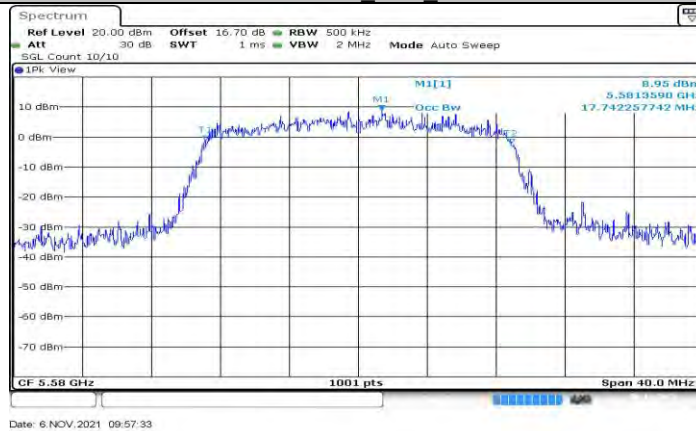
11N20MIMO Ant1 5500



11N20MIMO Ant2 5500



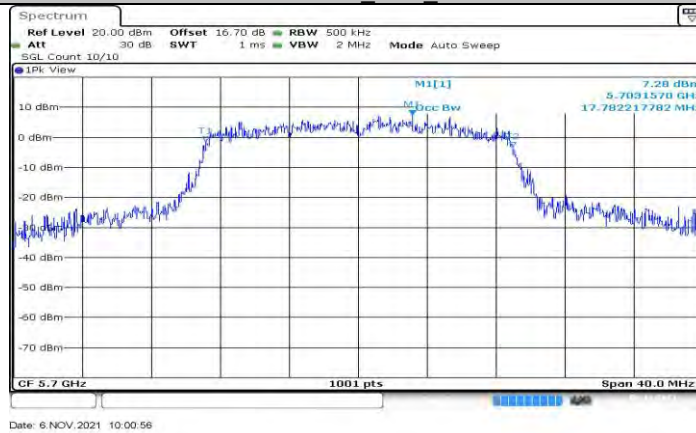
11N20MIMO Ant1 5580



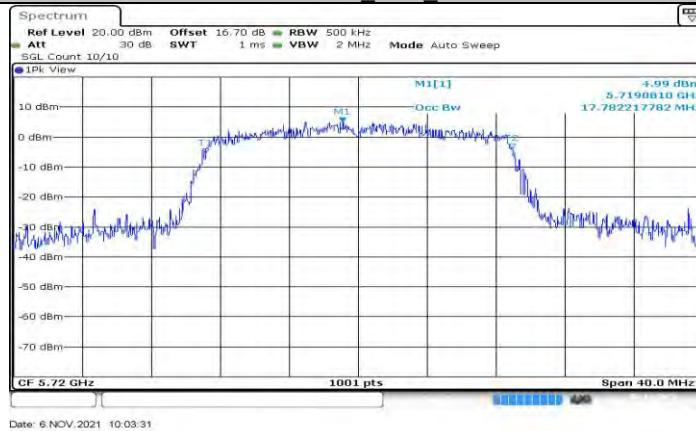
11N20MIMO Ant2 5580



11N20MIMO Ant1 5700



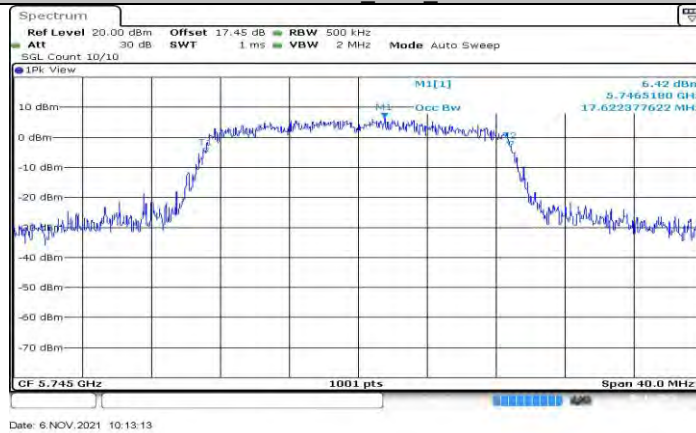
11N20MIMO Ant2 5700



11N20MIMO Ant1 5720



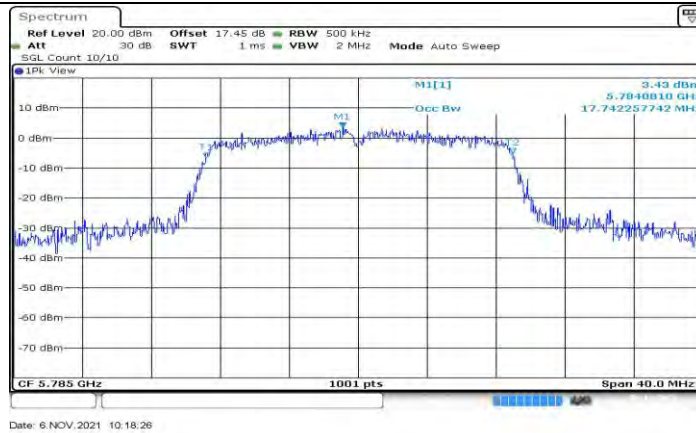
11N20MIMO Ant2 5720



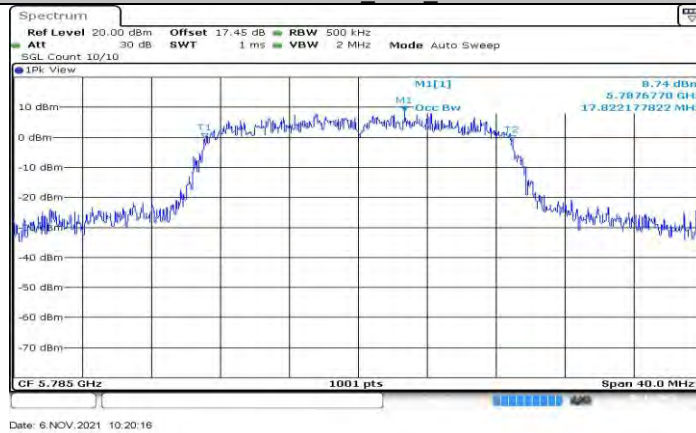
11N20MIMO Ant1 5745



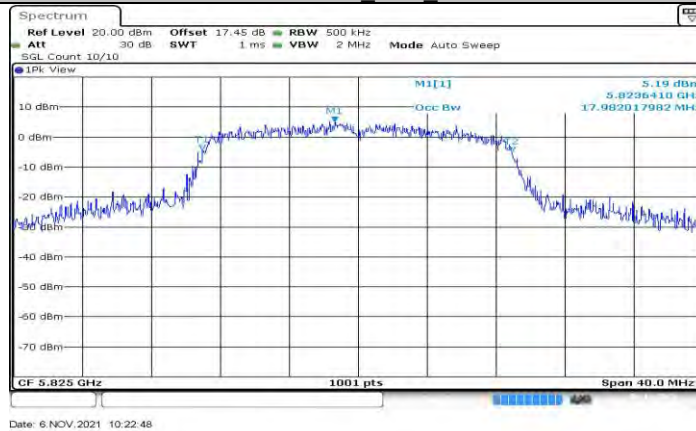
11N20MIMO Ant2 5745



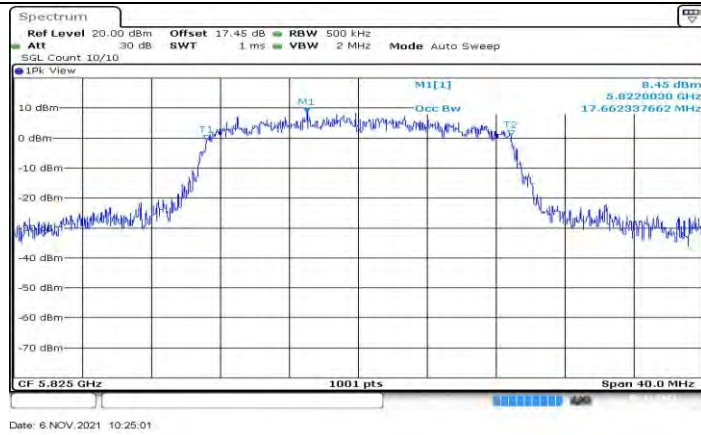
11N20MIMO Ant1 5785



11N20MIMO Ant2 5785



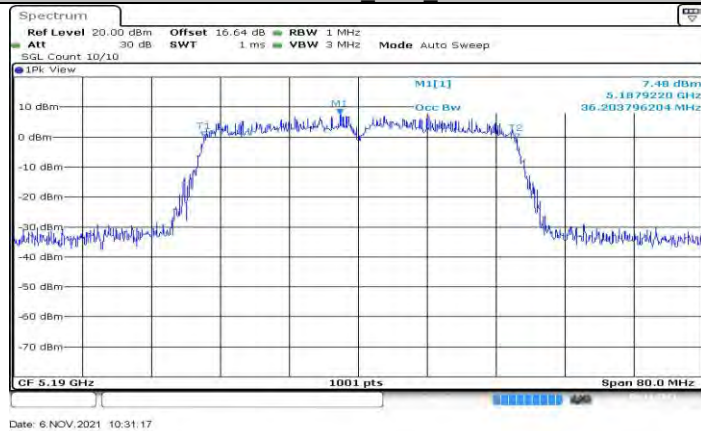
11N20MIMO Ant1 5825



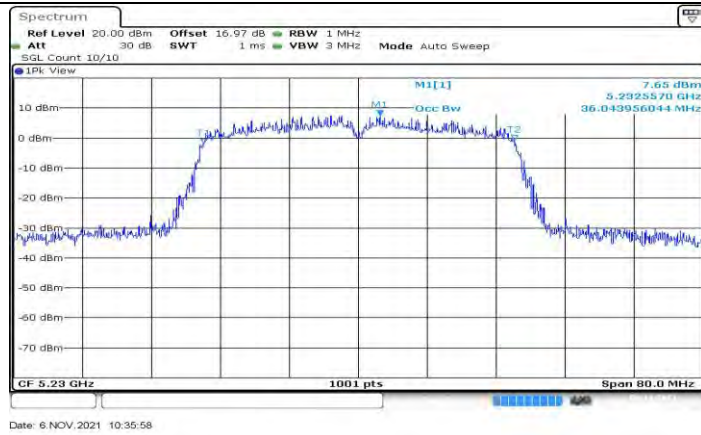
11N20MIMO Ant2 5825



11N40MIMO Ant1 5190



11N40MIMO Ant2 5190



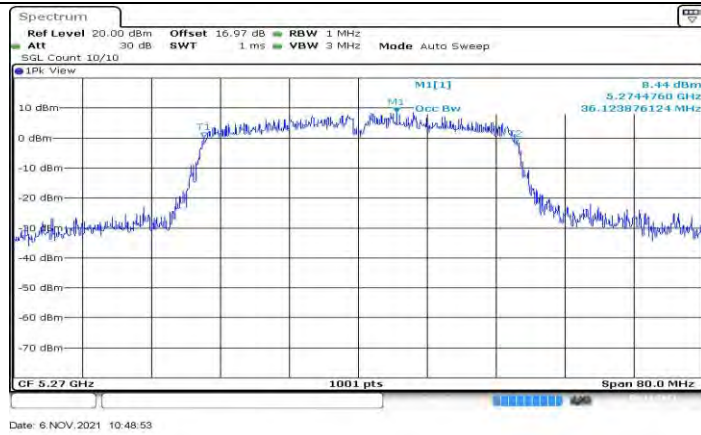
11N40MIMO Ant1 5230



11N40MIMO Ant2 5230



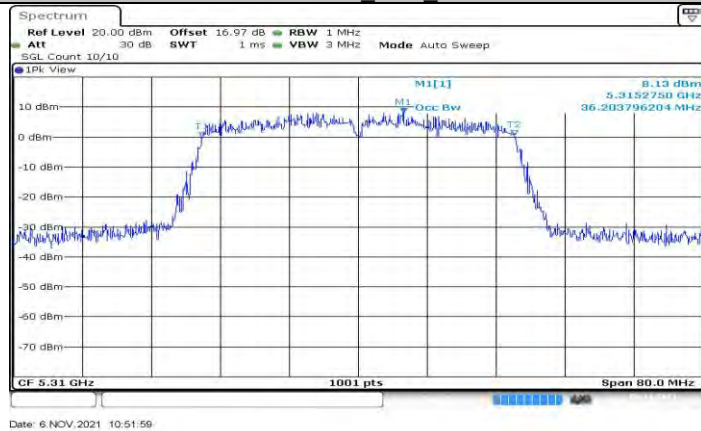
11N40MIMO Ant1 5270



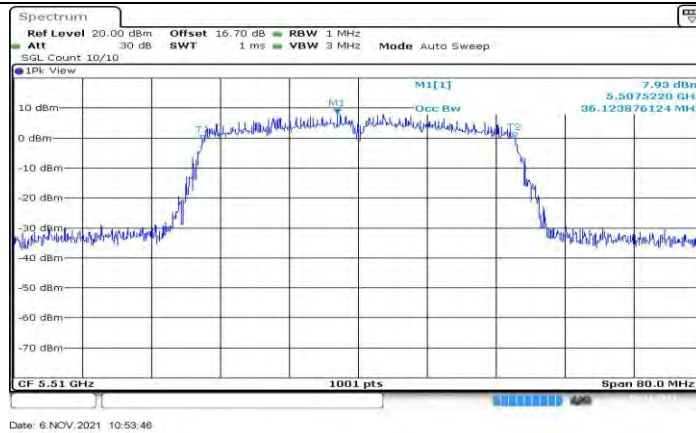
11N40MIMO Ant2 5270



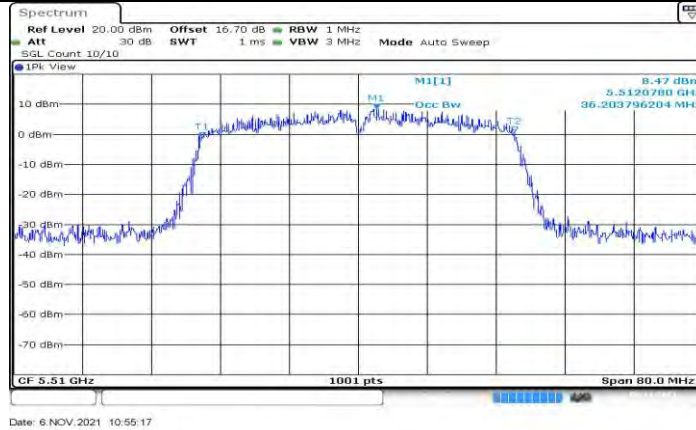
11N40MIMO Ant1 5310



11N40MIMO Ant2 5310



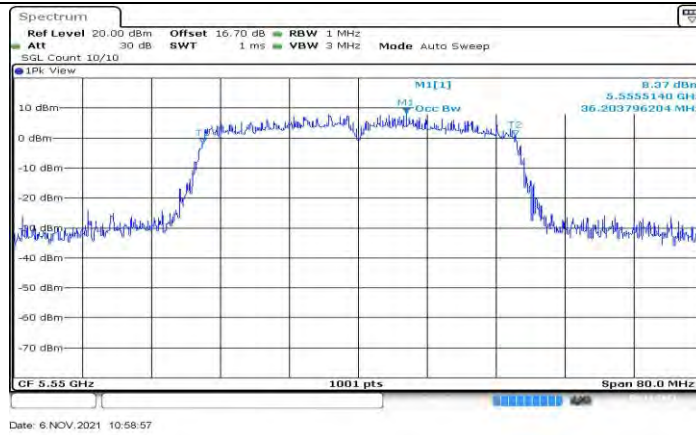
11N40MIMO Ant1 5510



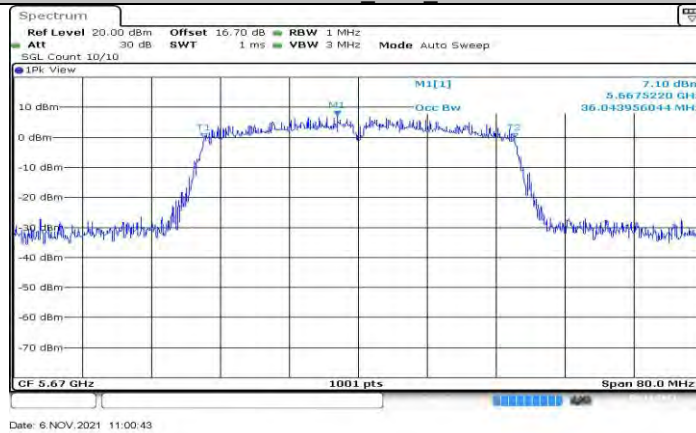
11N40MIMO Ant2 5510



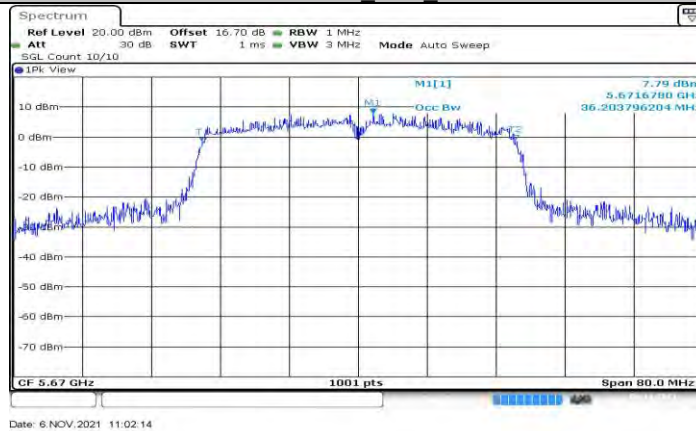
11N40MIMO Ant1 5550



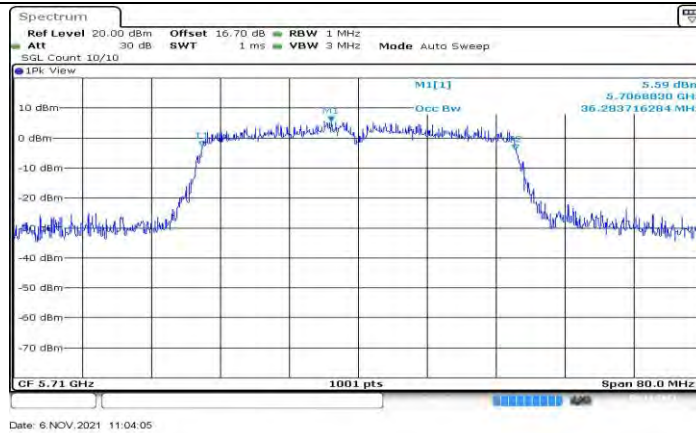
11N40MIMO Ant2 5550



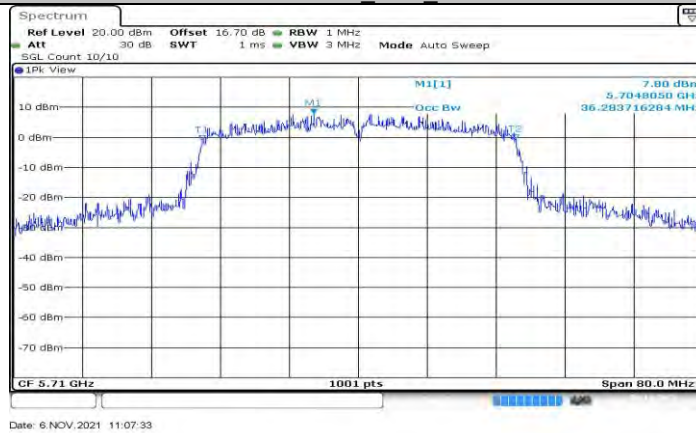
11N40MIMO Ant1 5670



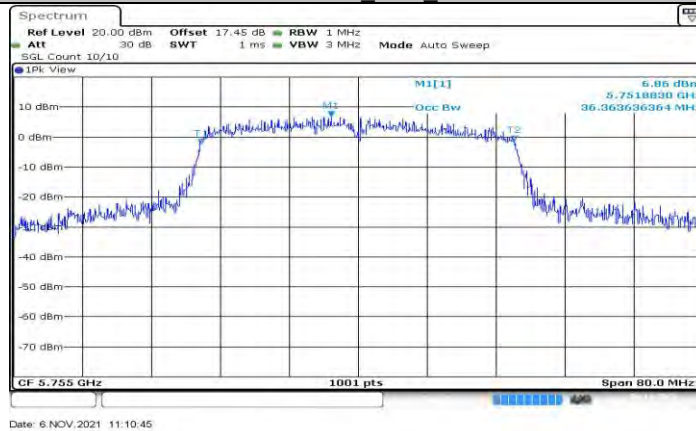
11N40MIMO Ant2 5670



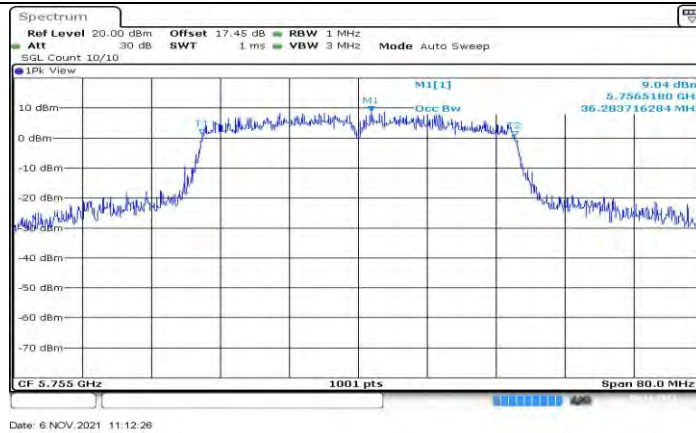
11N40MIMO Ant1 5710



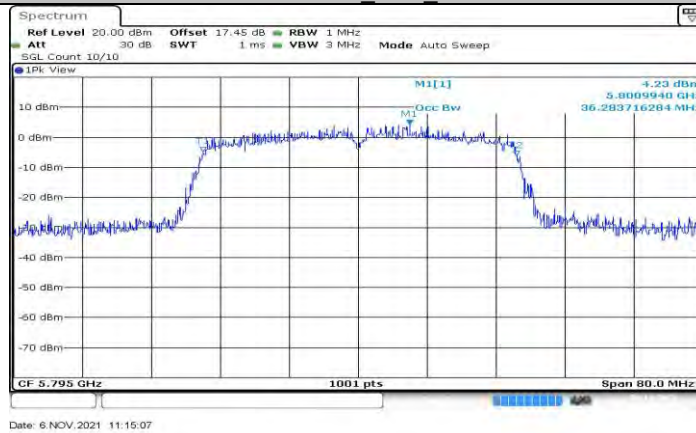
11N40MIMO Ant2 5710



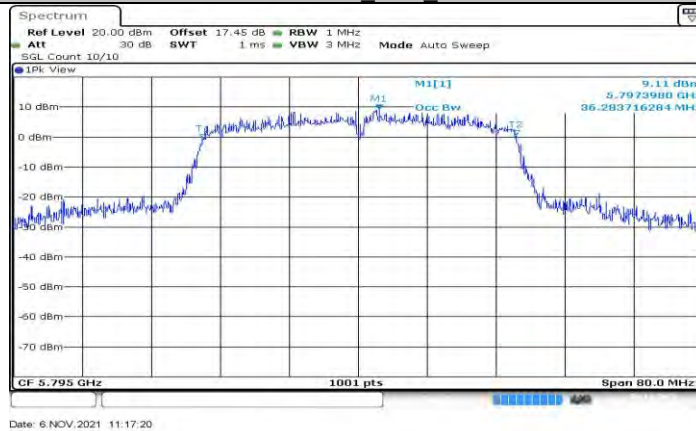
11N40MIMO Ant1 5755



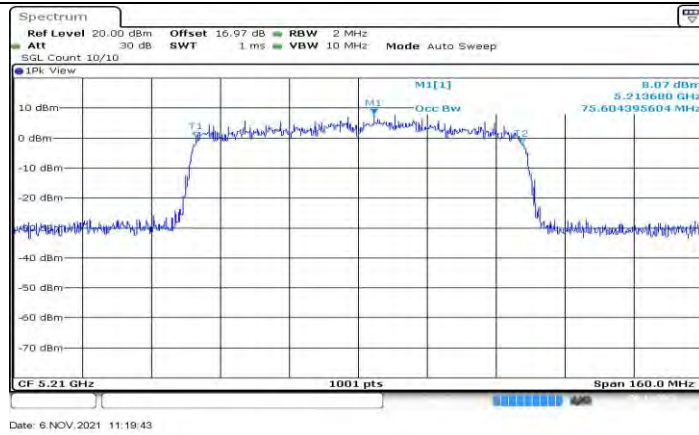
11N40MIMO Ant2 5755



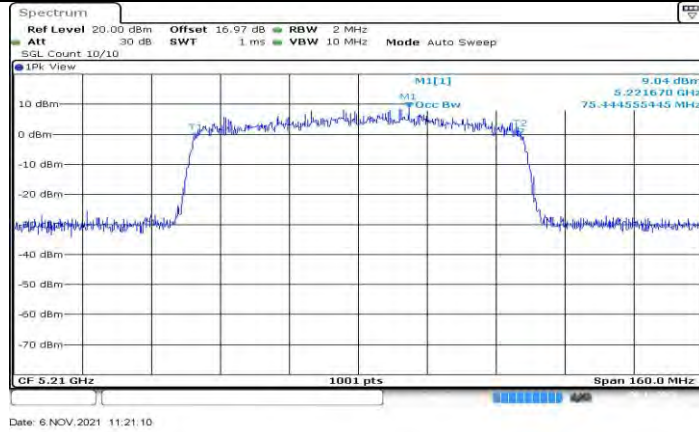
11N40MIMO Ant1 5795



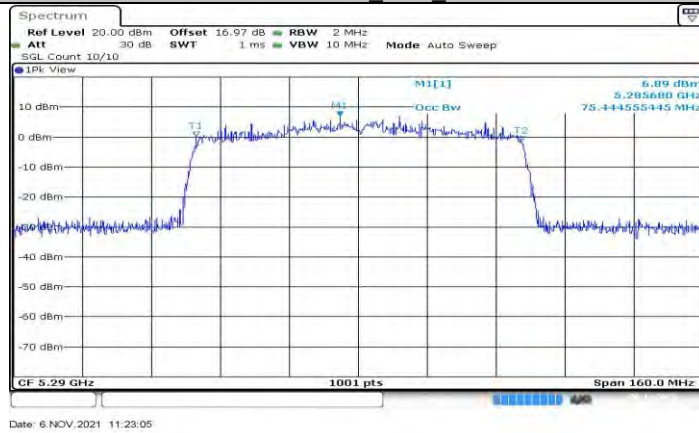
11N40MIMO Ant2 5795



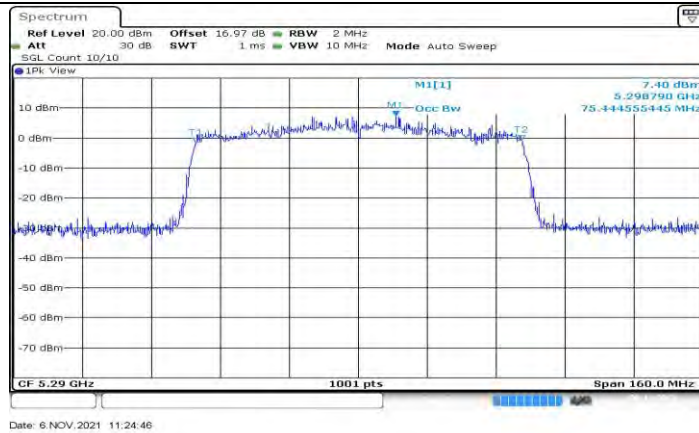
11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



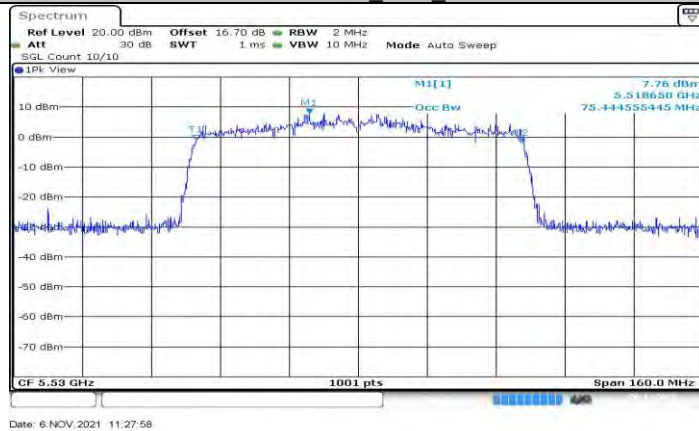
11AC80MIMO_Ant1_5290



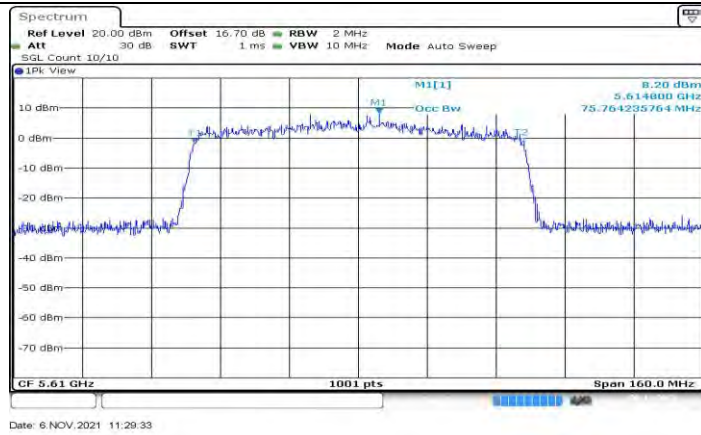
11AC80MIMO_Ant2_5290



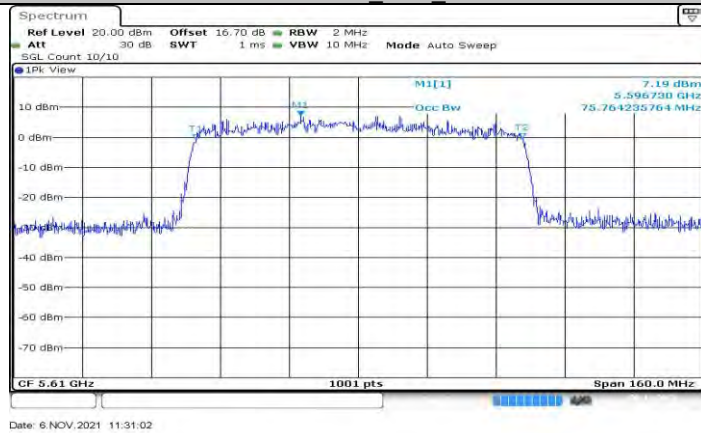
11AC80MIMO_Ant1_5530



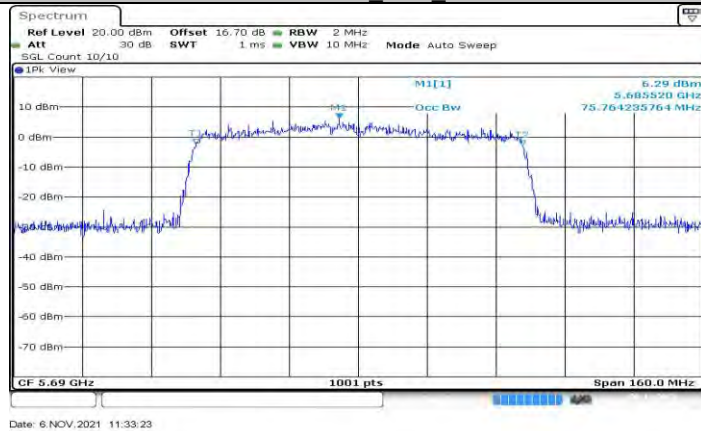
11AC80MIMO_Ant2_5530



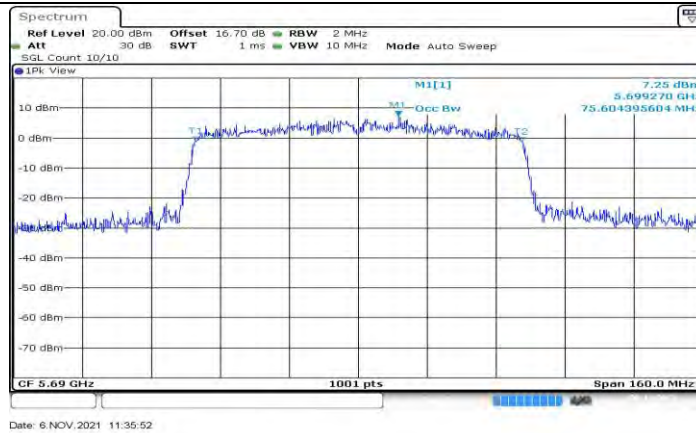
11AC80MIMO_Ant1_5610



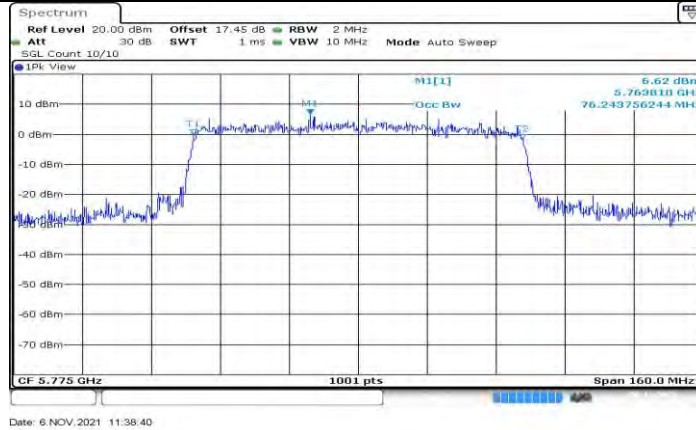
11AC80MIMO_Ant2_5610



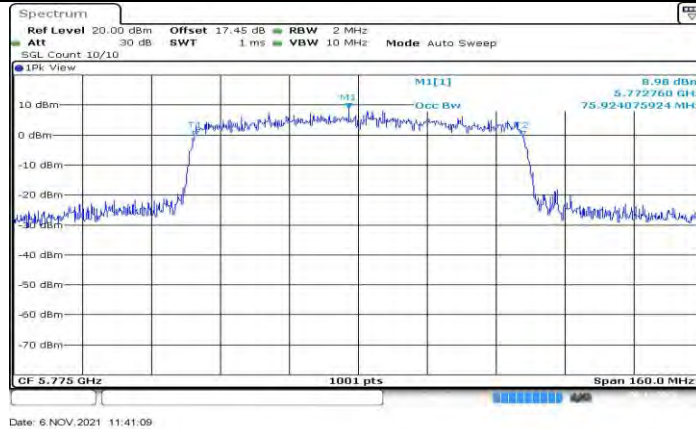
11AC80MIMO_Ant1_5690



11AC80MIMO_Ant2_5690



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

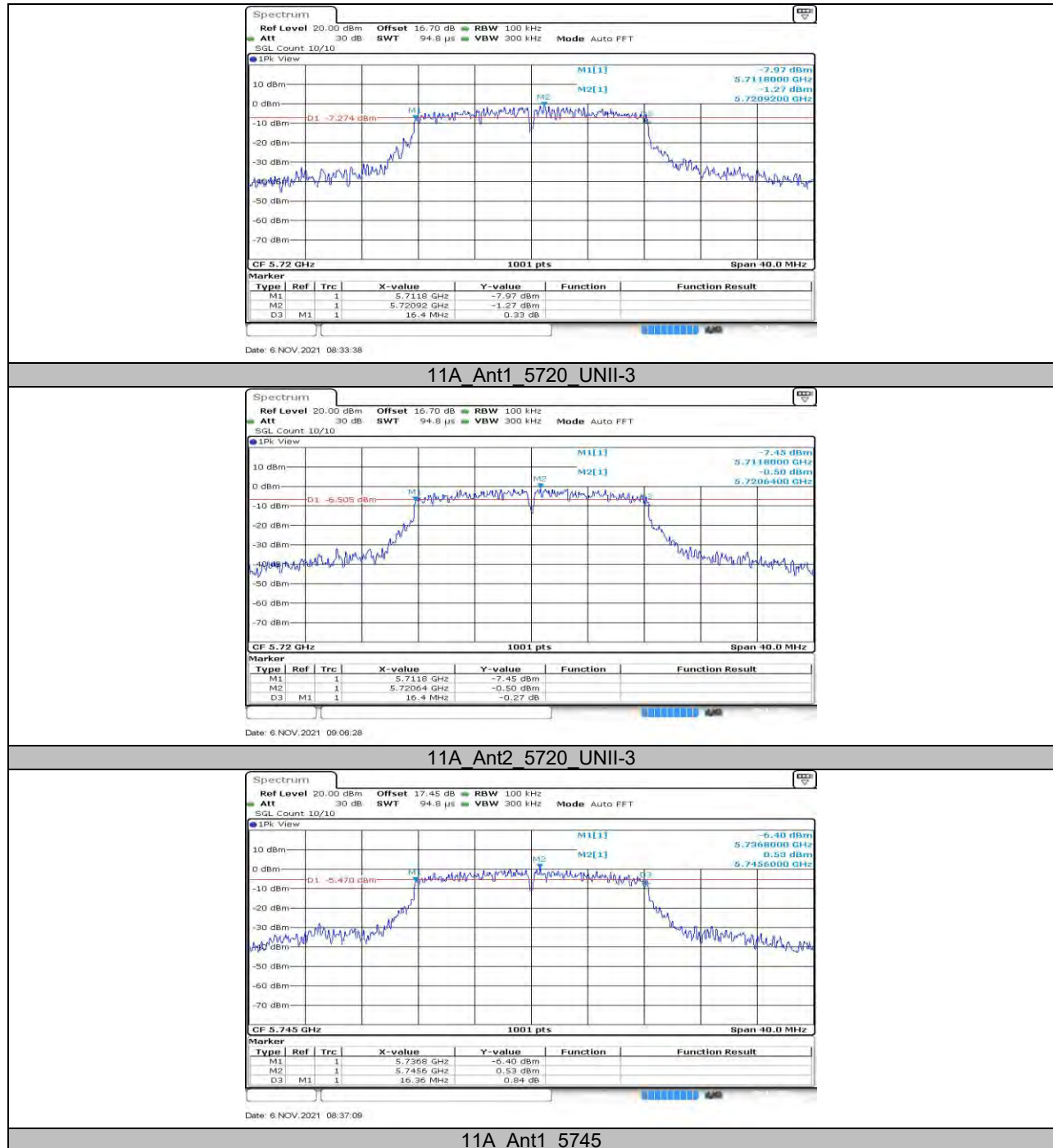


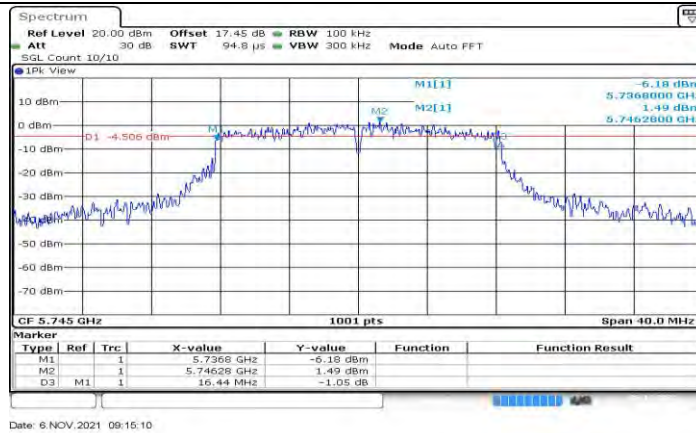
12.3. Appendix A3: Min emission bandwidth

12.3.1. Test Result

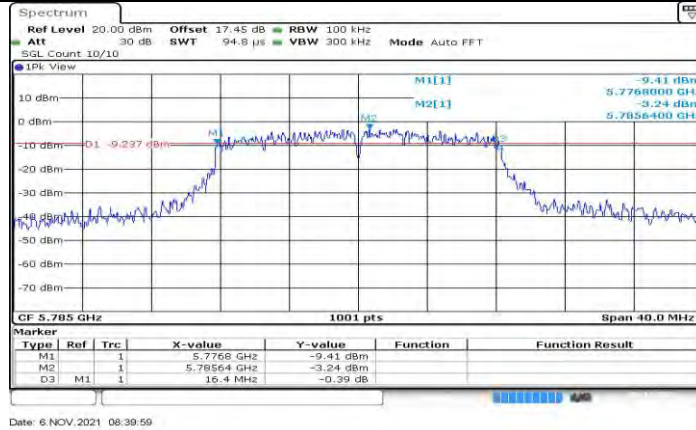
Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720_UNII- 3	3.2	5725	5728.200	0.5	PASS
	Ant2	5720_UNII- 3	3.2	5725	5728.200	0.5	PASS
	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
	Ant2	5745	16.440	5736.800	5753.240	0.5	PASS
	Ant1	5785	16.400	5776.800	5793.200	0.5	PASS
	Ant2	5785	16.400	5776.800	5793.200	0.5	PASS
	Ant1	5825	16.160	5817.040	5833.200	0.5	PASS
	Ant2	5825	16.240	5816.960	5833.200	0.5	PASS
11N20MIMO	Ant1	5720_UNII- 3	3.88	5725	5728.880	0.5	PASS
	Ant2	5720_UNII- 3	3.84	5725	5728.840	0.5	PASS
	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
	Ant2	5745	17.240	5736.200	5753.440	0.5	PASS
	Ant1	5785	17.680	5776.200	5793.880	0.5	PASS
	Ant2	5785	17.640	5776.200	5793.840	0.5	PASS
	Ant1	5825	17.680	5816.160	5833.840	0.5	PASS
	Ant2	5825	17.600	5816.200	5833.800	0.5	PASS
11N40MIMO	Ant1	5710_UNII- 3	2.76	5725	5727.760	0.5	PASS
	Ant2	5710_UNII- 3	2.68	5725	5727.680	0.5	PASS
	Ant1	5755	35.280	5737.400	5772.680	0.5	PASS
	Ant2	5755	35.280	5737.400	5772.680	0.5	PASS
	Ant1	5795	35.200	5777.480	5812.680	0.5	PASS
	Ant2	5795	35.200	5777.480	5812.680	0.5	PASS
11AC80MIMO	Ant1	5690_UNII- 3	2.76	5725	5727.760	0.5	PASS
	Ant2	5690_UNII- 3	2.68	5725	5727.760	0.5	PASS
	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS
	Ant2	5775	75.520	5737.240	5812.760	0.5	PASS

12.3.2. Test Graphs

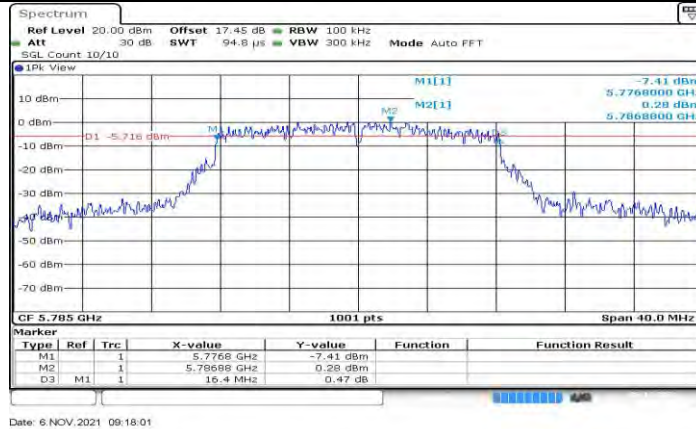




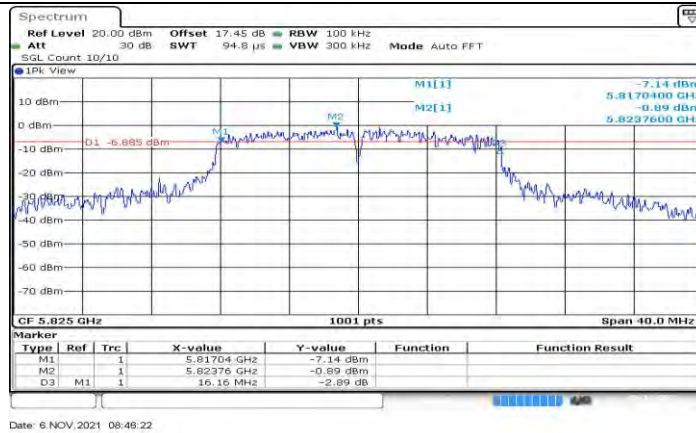
11A Ant2 5745



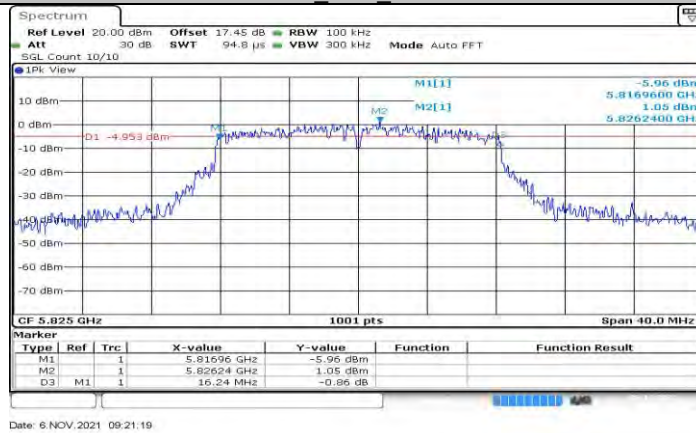
11A Ant1 5785



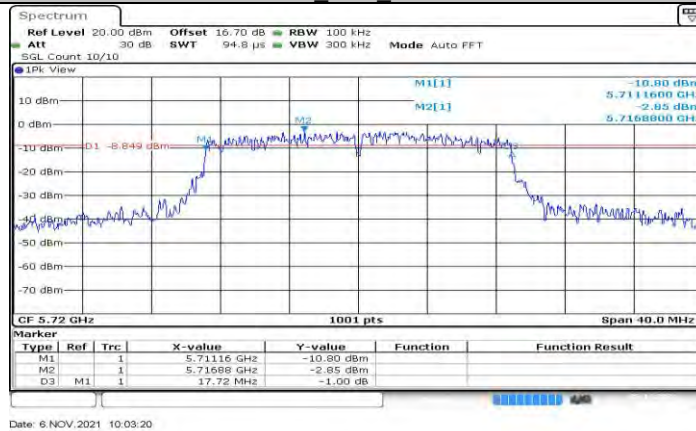
11A Ant2 5785



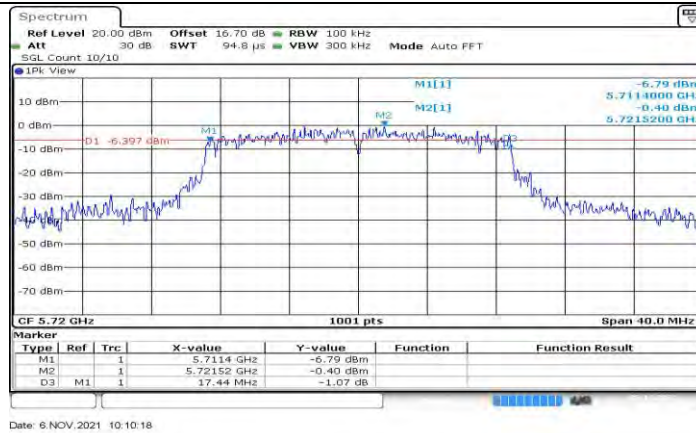
11A Ant1 5825



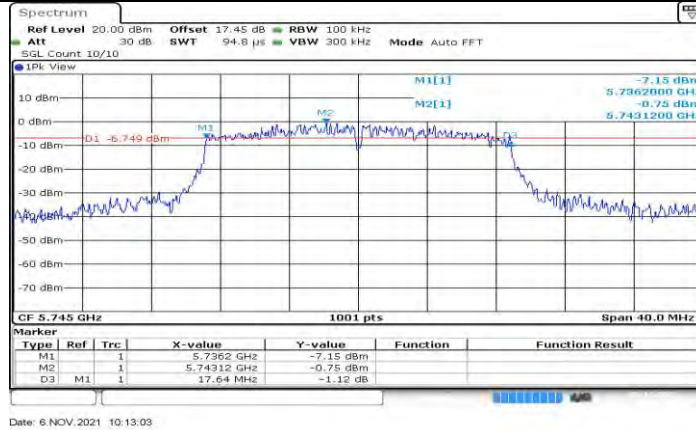
11A Ant2 5825



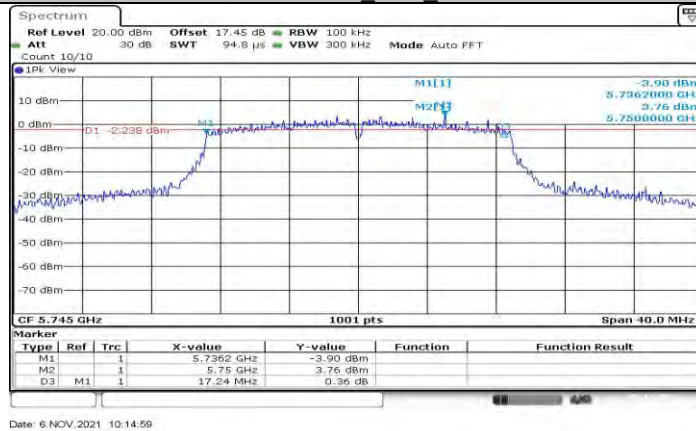
11N20MIMO_Ant1_5720_UNII-3



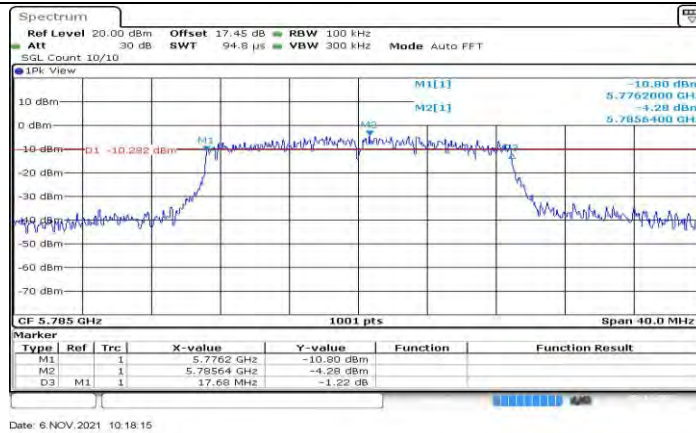
11N20MIMO Ant2 5720 UNII-3



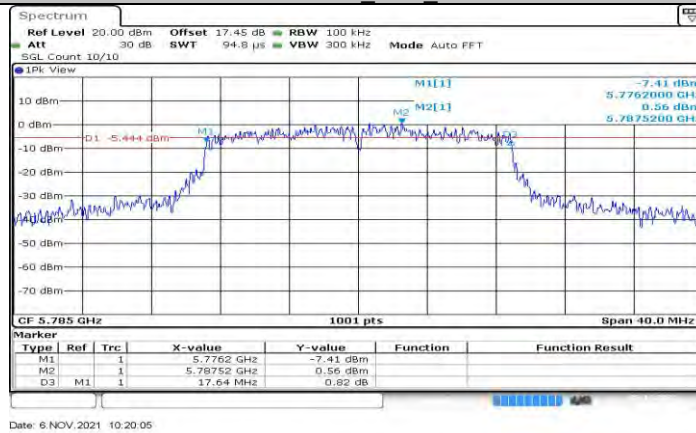
11N20MIMO Ant1 5745



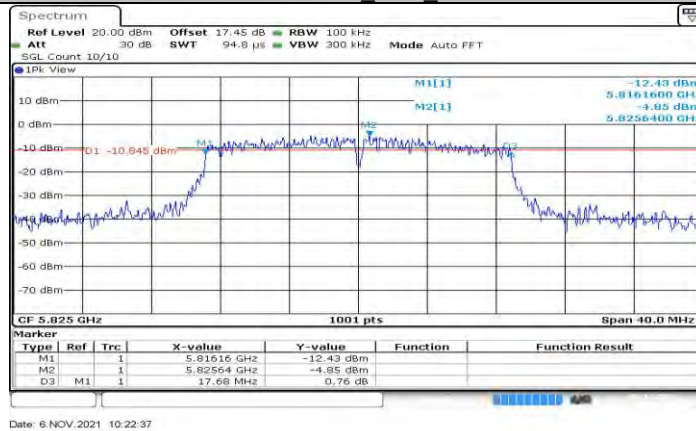
11N20MIMO Ant2 5745



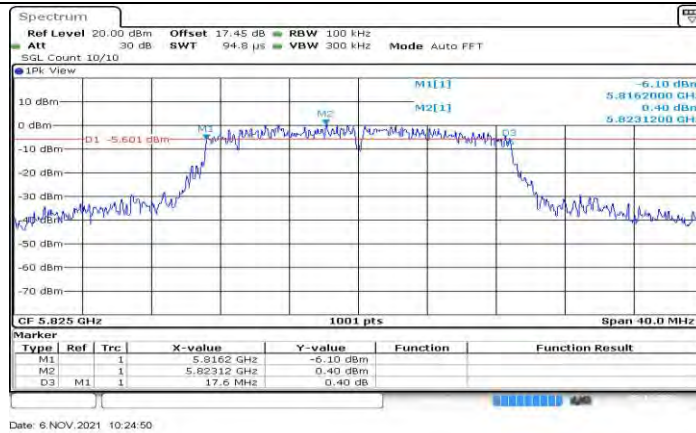
11N20MIMO Ant1 5785



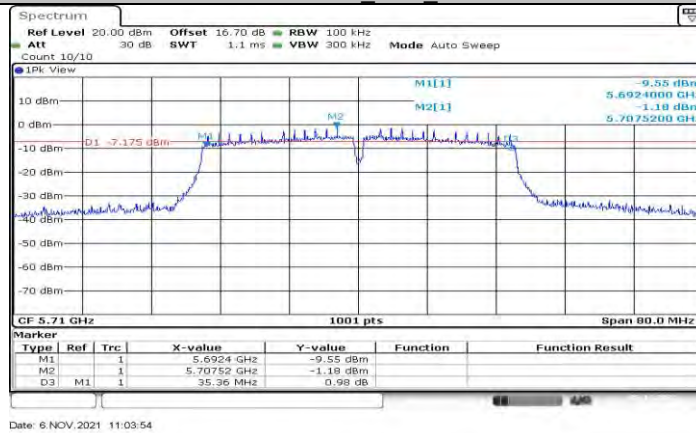
11N20MIMO Ant2 5785



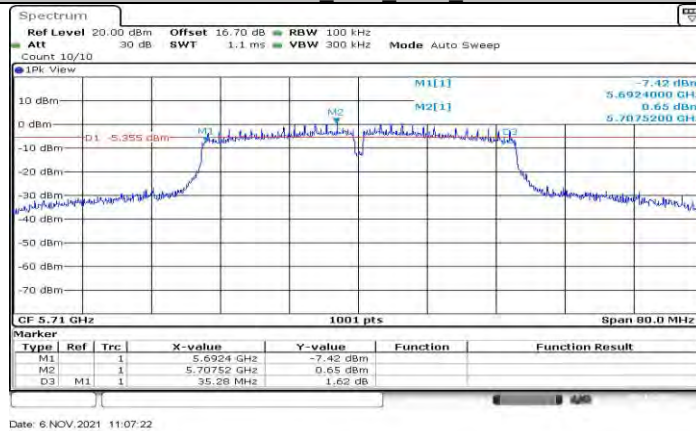
11N20MIMO Ant1 5825



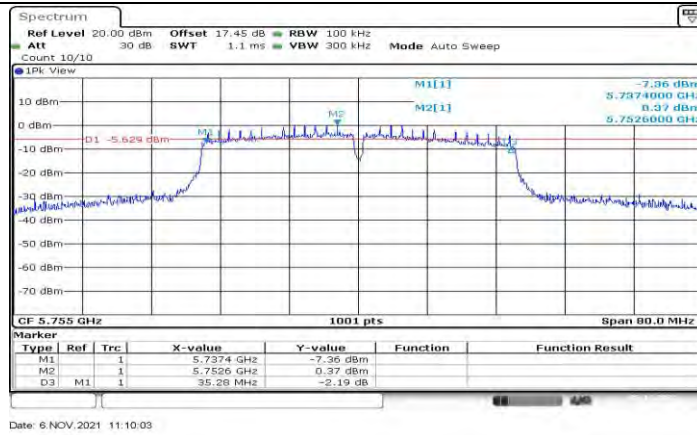
11N20MIMO Ant2 5825



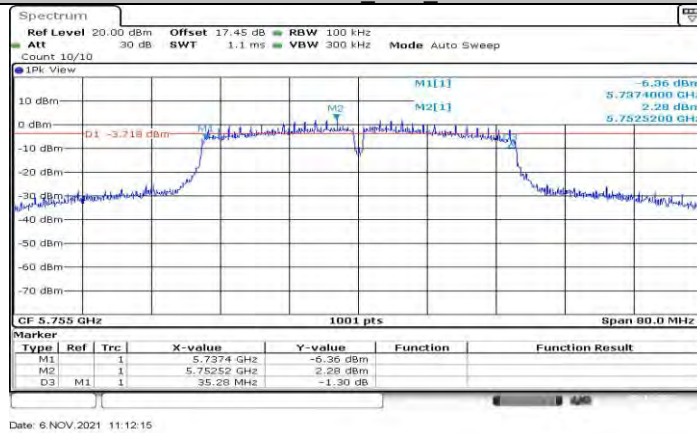
11N40MIMO Ant1 5710 UNII-3



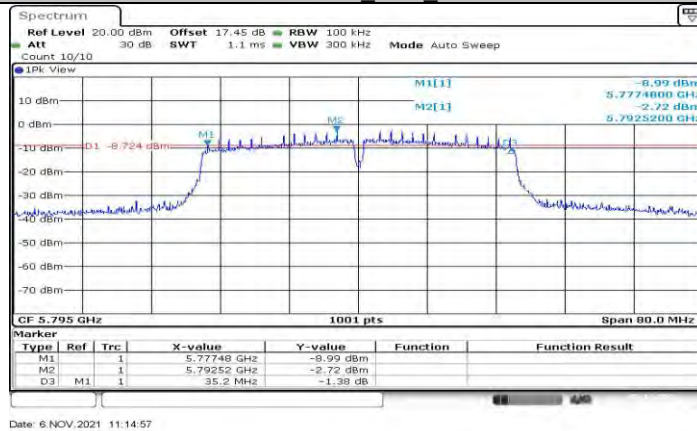
11N40MIMO Ant2 5710 UNII-3



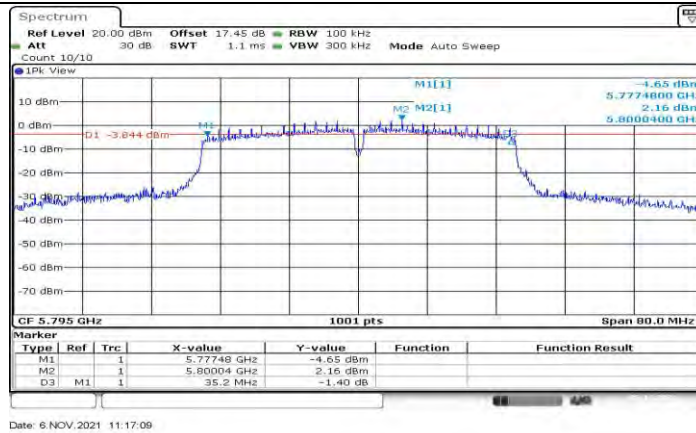
11N40MIMO Ant1 5755



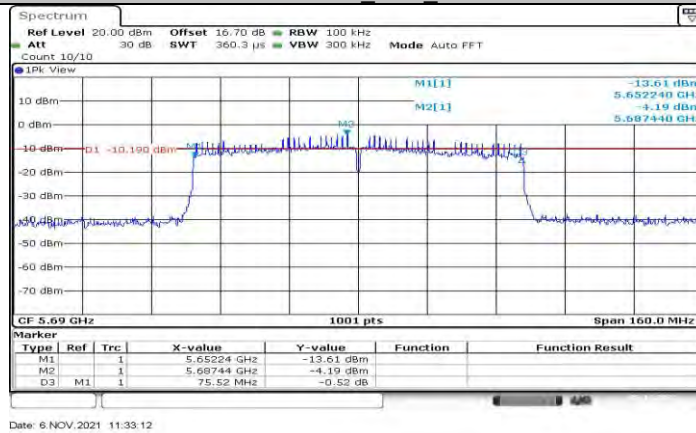
11N40MIMO Ant2 5755



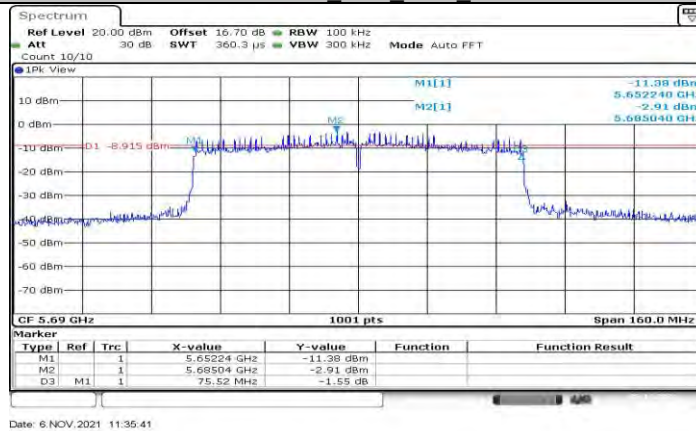
11N40MIMO Ant1 5795



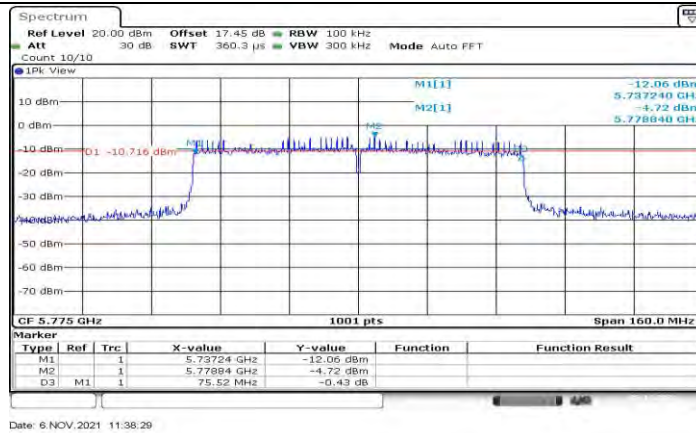
11N40MIMO Ant2 5795



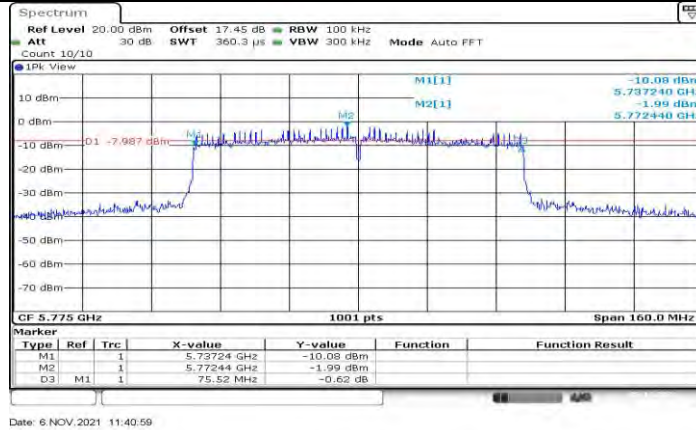
11AC80MIMO Ant1 5690 UNII-3



11AC80MIMO Ant2 5690 UNII-3



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

**12.4. Appendix B: Maximum conducted output power****12.4.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.69	≤23.98	---	17.69	≤22.21	PASS
	Ant2	5180	13.67	≤23.98	---	17.67	≤22.21	PASS
	Ant1	5200	13.69	≤23.98	---	17.69	≤22.23	PASS
	Ant2	5200	13.73	≤23.98	---	17.73	≤22.23	PASS
	Ant1	5240	14.33	≤23.98	---	18.33	≤22.19	PASS
	Ant2	5240	14.32	≤23.98	---	18.32	≤22.20	PASS
	Ant1	5260	12.81	≤23.98	≤23.22	16.81	≤29.22	PASS
	Ant2	5260	13.90	≤23.98	≤23.22	17.90	≤29.22	PASS
	Ant1	5280	13.30	≤23.98	≤23.20	17.30	≤29.20	PASS
	Ant2	5280	14.24	≤23.96	≤23.20	18.24	≤29.20	PASS
	Ant1	5320	13.06	≤23.98	≤23.23	17.06	≤29.23	PASS
	Ant2	5320	14.18	≤23.98	≤23.23	18.18	≤29.23	PASS
	Ant1	5500	14.63	≤23.98	≤23.18	18.63	≤29.18	PASS
	Ant2	5500	14.03	≤23.98	≤23.22	18.03	≤29.22	PASS
	Ant1	5580	14.46	≤23.98	≤23.22	18.46	≤29.22	PASS
	Ant2	5580	14.15	≤23.97	≤23.21	18.15	≤29.21	PASS
	Ant1	5700	13.19	≤23.98	≤23.24	17.19	≤29.24	PASS
	Ant2	5700	13.42	≤23.98	≤23.24	17.42	≤29.24	PASS
	Ant1	5720 UNII-2C	12.43	≤22.78	≤22.27	16.43	≤28.27	PASS
	Ant2	5720 UNII-2C	13.01	≤22.80	≤22.22	17.01	≤28.22	PASS
	Ant1	5720 UNII-3	5.17	≤30	≤30	9.17	---	PASS
	Ant2	5720 UNII-3	5.57	≤30	≤30	9.57	---	PASS
	Ant1	5745	14.45	≤30	≤30	18.45	---	PASS
	Ant2	5745	15.21	≤30	≤30	19.21	---	PASS
	Ant1	5785	13.10	≤30	≤30	17.10	---	PASS
	Ant2	5785	14.58	≤30	≤30	18.58	---	PASS
	Ant1	5825	13.21	≤30	≤30	17.21	---	PASS
	Ant2	5825	14.93	≤30	≤30	18.93	---	PASS
11N20MIMO	Ant1	5180	9.55	≤23.98	---	13.55	≤22.50	PASS
	Ant2	5180	10.15	≤23.98	---	14.15	≤22.49	PASS
	total	5180	12.9	≤23.98	---	16.87	≤22.49	PASS
	Ant1	5200	9.57	≤23.98	---	13.57	≤22.50	PASS
	Ant2	5200	10.40	≤23.98	---	14.40	≤22.50	PASS
	total	5200	13.0	≤23.98	---	17.02	≤22.50	PASS
	Ant1	5240	9.57	≤23.98	---	13.57	≤22.48	PASS
	Ant2	5240	10.15	≤23.98	---	14.15	≤22.48	PASS
	total	5240	12.9	≤23.98	---	16.88	≤22.48	PASS
	Ant1	5260	13.27	≤23.98	≤23.49	17.27	≤29.49	PASS
	Ant2	5260	13.85	≤23.98	≤23.49	17.85	≤29.49	PASS
	total	5260	16.6	≤23.98	≤23.49	20.58	≤29.49	PASS
	Ant1	5280	13.91	≤23.98	≤23.50	17.91	≤29.50	PASS
	Ant2	5280	14.18	≤23.98	≤23.50	18.18	≤29.50	PASS
	total	5280	17.1	≤23.98	≤23.50	21.06	≤29.50	PASS
	Ant1	5320	13.61	≤23.98	≤23.47	17.61	≤29.47	PASS
	Ant2	5320	14.19	≤23.98	≤23.49	18.19	≤29.49	PASS
	total	5320	16.9	≤23.98	≤23.49	20.92	≤29.49	PASS
	Ant1	5500	14.19	≤23.98	≤23.47	18.19	≤29.47	PASS
	Ant2	5500	13.97	≤23.98	≤23.49	17.97	≤29.49	PASS
	total	5500	17.1	≤23.98	≤23.49	21.09	≤29.49	PASS
	Ant1	5580	13.86	≤23.98	≤23.48	17.86	≤29.48	PASS
	Ant2	5580	14.24	≤23.98	≤23.49	18.24	≤29.49	PASS
	total	5580	17.1	≤23.98	≤23.49	21.06	≤29.49	PASS
	Ant1	5700	13.08	≤23.98	≤23.48	17.08	≤29.48	PASS



	Ant2	5700	13.32	≤23.98	≤23.50	17.32	≤29.50	PASS
	total	5700	15.8	≤23.98	≤23.50	19.75	≤29.50	PASS
	Ant1	5720 UNII-2C	11.27	≤22.80	≤22.42	15.27	≤28.42	PASS
	Ant2	5720 UNII-2C	12.69	≤22.80	≤22.43	16.69	≤28.43	PASS
	total	5720 UNII-2C	15.0	≤22.80	≤22.43	19.05	≤28.43	PASS
	Ant1	5720 UNII-3	4.55	≤30	≤30	8.55	---	PASS
	Ant2	5720 UNII-3	5.76	≤30	≤30	9.76	---	PASS
	total	5720 UNII-3	8.2	≤30	≤30	12.21	---	PASS
	Ant1	5745	13.60	≤30	≤30	17.60	---	PASS
	Ant2	5745	14.93	≤30	≤30	18.93	---	PASS
	total	5745	17.3	≤30	≤30	21.33	---	PASS
	Ant1	5785	12.13	≤30	≤30	16.13	---	PASS
	Ant2	5785	14.22	≤30	≤30	18.22	---	PASS
	total	5785	16.3	≤30	≤30	20.31	---	PASS
	Ant1	5825	12.11	≤30	≤30	16.11	---	PASS
	Ant2	5825	14.64	≤30	≤30	18.64	---	PASS
	total	5825	16.6	≤30	≤30	20.57	---	PASS
11N40MIMO	Ant1	5190	12.43	≤23.98	---	16.43	≤23	PASS
	Ant2	5190	13.08	≤23.98	---	17.08	≤23	PASS
	total	5190	15.8	≤23.98	---	19.78	≤23	PASS
	Ant1	5230	12.30	≤23.98	---	16.30	≤23	PASS
	Ant2	5230	12.87	≤23.98	---	16.87	≤23	PASS
	total	5230	15.6	≤23.98	---	19.60	≤23	PASS
	Ant1	5270	13.43	≤23.98	≤23.98	17.43	≤30	PASS
	Ant2	5270	13.80	≤23.98	≤23.98	17.80	≤30	PASS
	total	5270	16.6	≤23.98	≤23.98	20.63	≤30	PASS
	Ant1	5310	13.70	≤23.98	≤23.98	17.70	≤30	PASS
	Ant2	5310	14.12	≤23.98	≤23.98	18.12	≤30	PASS
	total	5310	16.9	≤23.98	≤23.98	20.93	≤30	PASS
	Ant1	5510	13.80	≤23.98	≤23.98	17.80	≤30	PASS
	Ant2	5510	13.93	≤23.98	≤23.98	17.93	≤30	PASS
	total	5510	16.9	≤23.98	≤23.98	20.88	≤30	PASS
	Ant1	5550	13.88	≤23.98	≤23.98	17.88	≤30	PASS
	Ant2	5550	13.63	≤23.98	≤23.98	17.63	≤30	PASS
	total	5550	16.8	≤23.98	≤23.98	20.77	≤30	PASS
	Ant1	5670	12.96	≤23.98	≤23.98	16.96	≤30	PASS
	Ant2	5670	13.68	≤23.98	≤23.98	17.68	≤30	PASS
	total	5670	16.3	≤23.98	≤23.98	20.35	≤30	PASS
	Ant1	5710 UNII-2C	11.49	≤23.98	≤23.98	15.49	≤30	PASS
	Ant2	5710 UNII-2C	13.00	≤23.98	≤23.98	17.00	≤30	PASS
	total	5710 UNII-2C	15.3	≤23.98	≤23.98	19.32	≤30	PASS
	Ant1	5710 UNII-3	-0.16	≤30	≤30	3.84	---	PASS
	Ant2	5710 UNII-3	1.12	≤30	≤30	5.12	---	PASS
	total	5710 UNII-3	3.5	≤30	≤30	7.54	---	PASS
	Ant1	5755	12.92	≤30	≤30	16.92	---	PASS
	Ant2	5755	14.62	≤30	≤30	18.62	---	PASS
	total	5755	16.9	≤30	≤30	20.86	---	PASS
	Ant1	5795	12.35	≤30	≤30	16.35	---	PASS
	Ant2	5795	14.70	≤30	≤30	18.70	---	PASS
	total	5795	16.7	≤30	≤30	20.69	---	PASS
11AC80MIMO	Ant1	5210	12.37	≤23.98	---	16.37	≤23	PASS
	Ant2	5210	13.09	≤23.98	---	17.09	≤23	PASS
	total	5210	15.8	≤23.98	---	19.76	≤23	PASS
	Ant1	5290	11.60	≤23.98	≤23.98	15.60	≤30	PASS
	Ant2	5290	12.09	≤23.98	≤23.98	16.09	≤30	PASS
	total	5290	14.9	≤23.98	≤23.98	18.86	≤30	PASS
	Ant1	5530	12.82	≤23.98	≤23.98	16.82	≤30	PASS
	Ant2	5530	12.81	≤23.98	≤23.98	16.81	≤30	PASS
	total	5530	15.8	≤23.98	≤23.98	19.83	≤30	PASS
	Ant1	5610	12.40	≤23.98	≤23.98	16.40	≤30	PASS

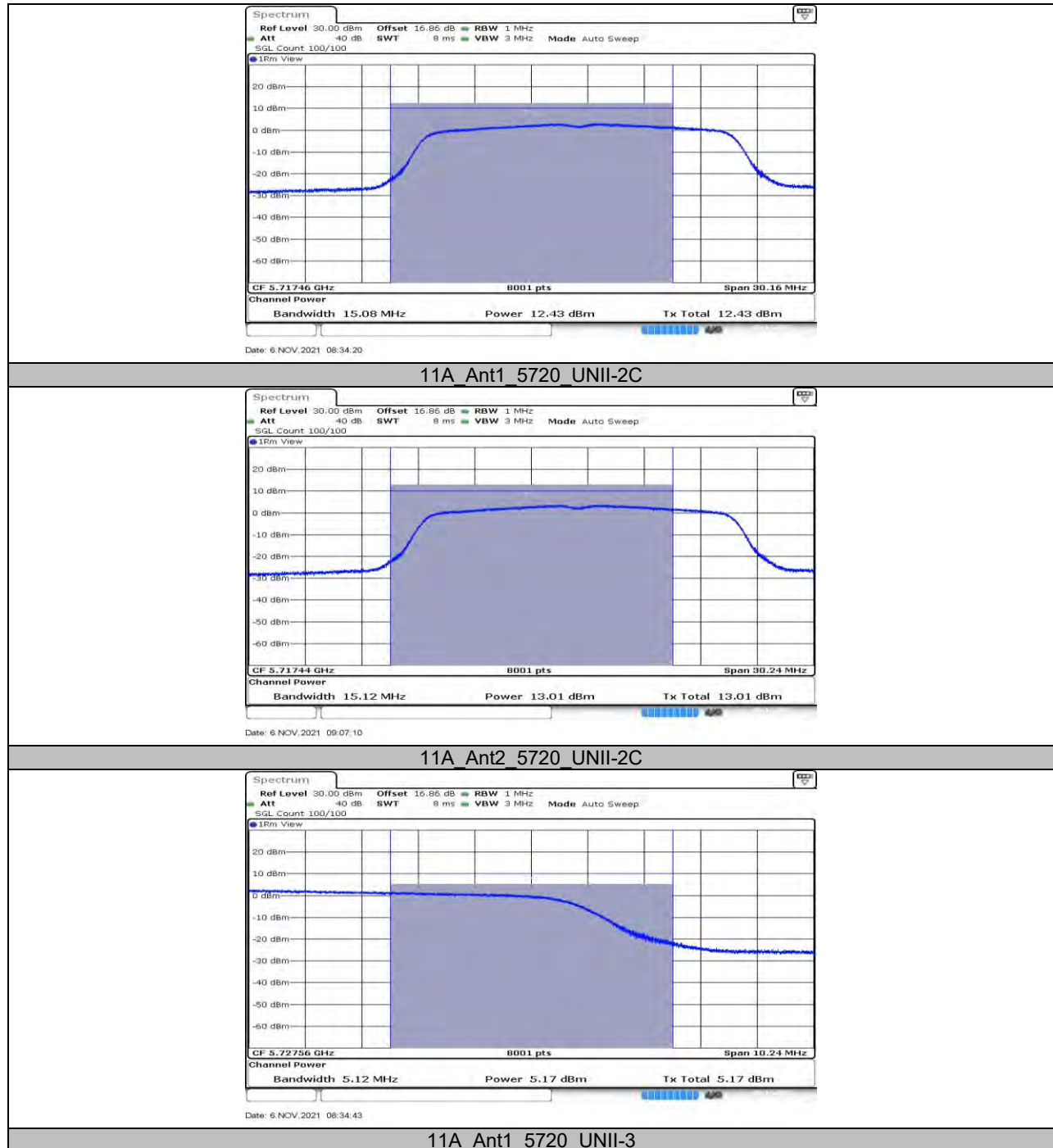


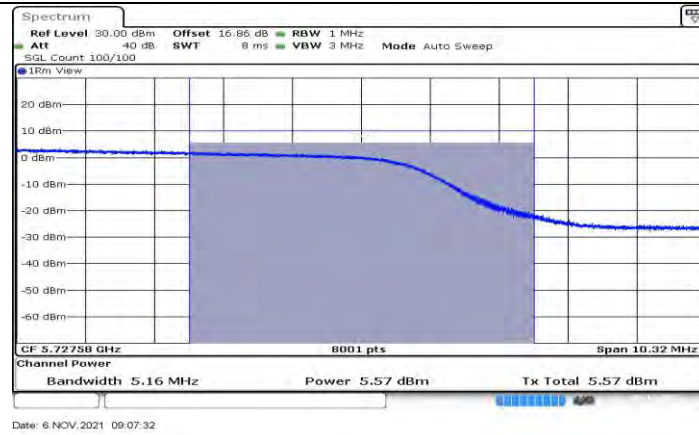
	Ant2	5610	12.66	≤23.98	≤23.98	16.66	≤30	PASS
	total	5610	15.5	≤23.98	≤23.98	19.54	≤30	PASS
	Ant1	5690 UNII-2C	11.24	≤23.98	≤23.98	15.24	≤30	PASS
	Ant2	5690 UNII-2C	12.32	≤23.98	≤23.98	16.32	≤30	PASS
	total	5690 UNII-2C	14.8	≤23.98	≤23.98	18.82	≤30	PASS
	Ant1	5690 UNII-3	-4.03	≤30	≤30	-0.03	---	PASS
	Ant2	5690 UNII-3	-2.76	≤30	≤30	1.24	---	PASS
	total	5690 UNII-3	-0.3	≤30	≤30	3.66	---	PASS
	Ant1	5775	11.67	≤30	≤30	15.67	---	PASS
	Ant2	5775	13.63	≤30	≤30	17.63	---	PASS
	total	5775	15.8	≤30	≤30	19.77	---	PASS

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

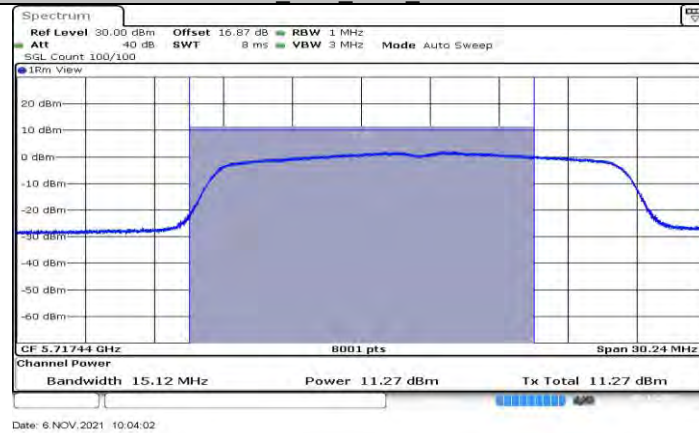
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

12.4.2. Test Graphs

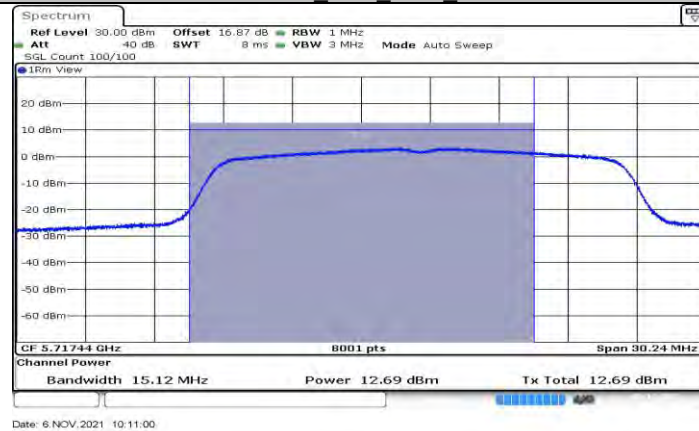




11A Ant2 5720 UNII-3



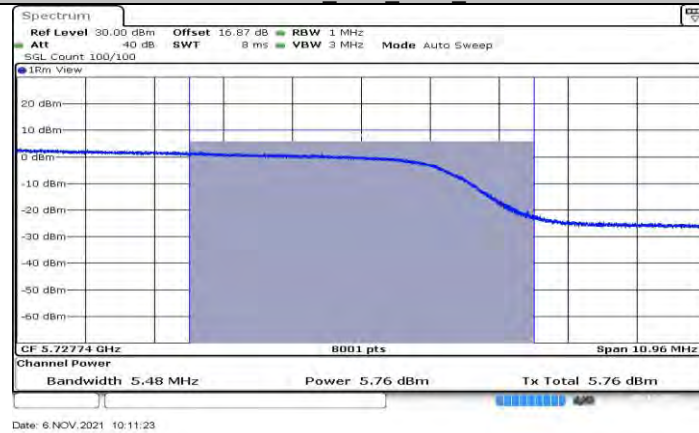
11N20MIMO Ant1 5720 UNII-2C



11N20MIMO Ant2 5720 UNII-2C



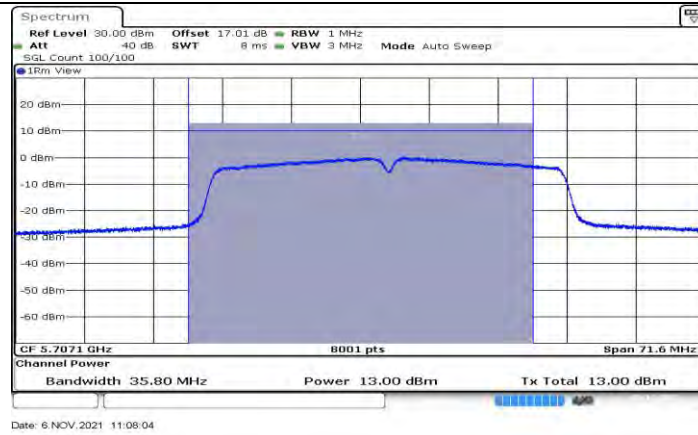
11N20MIMO Ant1 5720 UNII-3



11N20MIMO Ant2 5720 UNII-3



11N40MIMO Ant1 5710 UNII-2C



11N40MIMO_Ant2_5710_UNII-2C



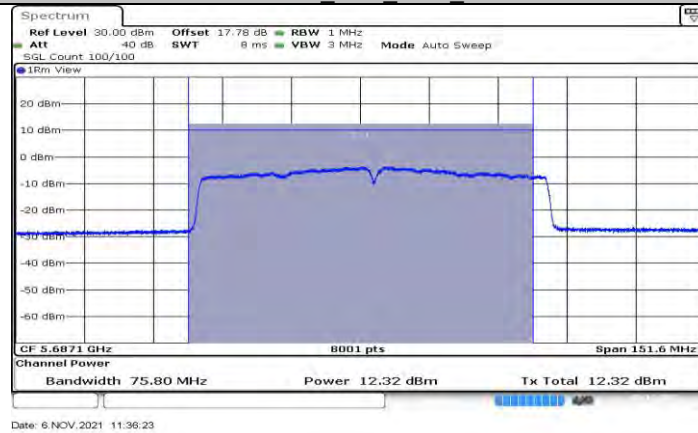
11N40MIMO_Ant1_5710_UNII-3



11N40MIMO_Ant2_5710_UNII-3



11AC80MIMO Ant1_5690_UNII-2C



11AC80MIMO Ant2_5690_UNII-2C



11AC80MIMO Ant1_5690_UNII-3



**12.5. Appendix C: Maximum power spectral density****12.5.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.22	≤11	7.22	≤10	PASS
	Ant2	5180	3.35	≤11	7.35	≤10	PASS
	Ant1	5200	3.35	≤11	7.35	≤10	PASS
	Ant2	5200	3.4	≤11	7.40	≤10	PASS
	Ant1	5240	3.94	≤11	7.94	≤10	PASS
	Ant2	5240	4.05	≤11	8.05	≤10	PASS
	Ant1	5260	2.42	≤11	---	---	PASS
	Ant2	5260	3.46	≤11	---	---	PASS
	Ant1	5280	2.96	≤11	---	---	PASS
	Ant2	5280	3.88	≤11	---	---	PASS
	Ant1	5320	2.76	≤11	---	---	PASS
	Ant2	5320	3.76	≤11	---	---	PASS
	Ant1	5500	4.31	≤11	---	---	PASS
	Ant2	5500	3.68	≤11	---	---	PASS
	Ant1	5580	4.14	≤11	---	---	PASS
	Ant2	5580	3.73	≤11	---	---	PASS
	Ant1	5700	2.7	≤11	---	---	PASS
	Ant2	5700	3.18	≤11	---	---	PASS
	Ant1	5720_UNII-2C	2.88	≤11	---	---	PASS
	Ant2	5720_UNII-2C	3.37	≤11	---	---	PASS
	Ant1	5720_UNII-3	-1.85	≤11	---	---	PASS
	Ant2	5720_UNII-3	-1.19	≤11	---	---	PASS
	Ant1	5745	1.55	≤30	---	---	PASS
	Ant2	5745	2.08	≤30	---	---	PASS
	Ant1	5785	-0.04	≤30	---	---	PASS
	Ant2	5785	1.52	≤30	---	---	PASS
	Ant1	5825	0.1	≤30	---	---	PASS
	Ant2	5825	1.9	≤30	---	---	PASS
11N20MIMO	Ant1	5180	-0.84	≤11	3.16	≤10	PASS
	Ant2	5180	-0.38	≤11	3.62	≤10	PASS
	total	5180	2.41	≤11	6.41	≤10	PASS
	Ant1	5200	-0.87	≤11	3.13	≤10	PASS
	Ant2	5200	-0.1	≤11	3.90	≤10	PASS
	total	5200	2.54	≤11	6.54	≤10	PASS
	Ant1	5240	-0.89	≤11	3.11	≤10	PASS
	Ant2	5240	-0.3	≤11	3.70	≤10	PASS
	total	5240	2.43	≤11	6.43	≤10	PASS
	Ant1	5260	2.78	≤11	---	---	PASS
	Ant2	5260	3.26	≤11	---	---	PASS
	total	5260	6.04	≤11	---	---	PASS
	Ant1	5280	3.64	≤11	---	---	PASS
	Ant2	5280	3.67	≤11	---	---	PASS
	total	5280	6.67	≤11	---	---	PASS
	Ant1	5320	3.08	≤11	---	---	PASS
	Ant2	5320	3.6	≤11	---	---	PASS
	total	5320	6.36	≤11	---	---	PASS
	Ant1	5500	3.77	≤11	---	---	PASS
	Ant2	5500	3.49	≤11	---	---	PASS
	total	5500	6.64	≤11	---	---	PASS
	Ant1	5580	3.46	≤11	---	---	PASS
	Ant2	5580	3.57	≤11	---	---	PASS
	total	5580	6.53	≤11	---	---	PASS



	Ant1	5700	1.58	≤11	---	---	PASS
	Ant2	5700	2.74	≤11	---	---	PASS
	total	5700	5.21	≤11	---	---	PASS
	Ant1	5720_UNII-2C	1.73	≤11	---	---	PASS
	Ant2	5720_UNII-2C	2.9	≤11	---	---	PASS
	total	5720_UNII-2C	5.36	≤11	---	---	PASS
	Ant1	5720_UNII-3	-2.79	≤11	---	---	PASS
	Ant2	5720_UNII-3	-1.9	≤11	---	---	PASS
	total	5720_UNII-3	0.69	≤11	---	---	PASS
	Ant1	5745	0.39	≤30	---	---	PASS
	Ant2	5745	1.63	≤30	---	---	PASS
	total	5745	4.06	≤30	---	---	PASS
	Ant1	5785	-1.3	≤30	---	---	PASS
	Ant2	5785	0.94	≤30	---	---	PASS
	total	5785	2.97	≤30	---	---	PASS
	Ant1	5825	-1.24	≤30	---	---	PASS
	Ant2	5825	1.36	≤30	---	---	PASS
	total	5825	3.26	≤30	---	---	PASS
11N40MIMO	Ant1	5190	-1.26	≤11	2.74	≤10	PASS
	Ant2	5190	-0.64	≤11	3.36	≤10	PASS
	total	5190	2.07	≤11	6.07	≤10	PASS
	Ant1	5230	-1.18	≤11	2.82	≤10	PASS
	Ant2	5230	-0.46	≤11	3.54	≤10	PASS
	total	5230	2.21	≤11	6.21	≤10	PASS
	Ant1	5270	-0.1	≤11	---	---	PASS
	Ant2	5270	0.51	≤11	---	---	PASS
	total	5270	3.23	≤11	---	---	PASS
	Ant1	5310	0.31	≤11	---	---	PASS
	Ant2	5310	0.64	≤11	---	---	PASS
	total	5310	3.49	≤11	---	---	PASS
	Ant1	5510	0.37	≤11	---	---	PASS
	Ant2	5510	0.86	≤11	---	---	PASS
	total	5510	3.63	≤11	---	---	PASS
	Ant1	5550	0.28	≤11	---	---	PASS
	Ant2	5550	0.11	≤11	---	---	PASS
	total	5550	3.21	≤11	---	---	PASS
	Ant1	5670	-0.32	≤11	---	---	PASS
	Ant2	5670	0.31	≤11	---	---	PASS
	total	5670	3.02	≤11	---	---	PASS
	Ant1	5710_UNII-2C	-1.77	≤11	---	---	PASS
	Ant2	5710_UNII-2C	-0.57	≤11	---	---	PASS
	total	5710_UNII-2C	1.88	≤11	---	---	PASS
	Ant1	5710_UNII-3	-7.38	≤11	---	---	PASS
	Ant2	5710_UNII-3	-6.21	≤11	---	---	PASS
	total	5710_UNII-3	-3.75	≤11	---	---	PASS
	Ant1	5755	-3.39	≤30	---	---	PASS
	Ant2	5755	-1.49	≤30	---	---	PASS
	total	5755	0.67	≤30	---	---	PASS
	Ant1	5795	-3.91	≤30	---	---	PASS
	Ant2	5795	-1.73	≤30	---	---	PASS
	total	5795	0.33	≤30	---	---	PASS
11AC80MIMO	Ant1	5210	-3.85	≤11	0.15	≤10	PASS
	Ant2	5210	-3.04	≤11	0.96	≤10	PASS
	total	5210	-0.42	≤11	3.58	≤10	PASS
	Ant1	5290	-4.27	≤11	---	---	PASS

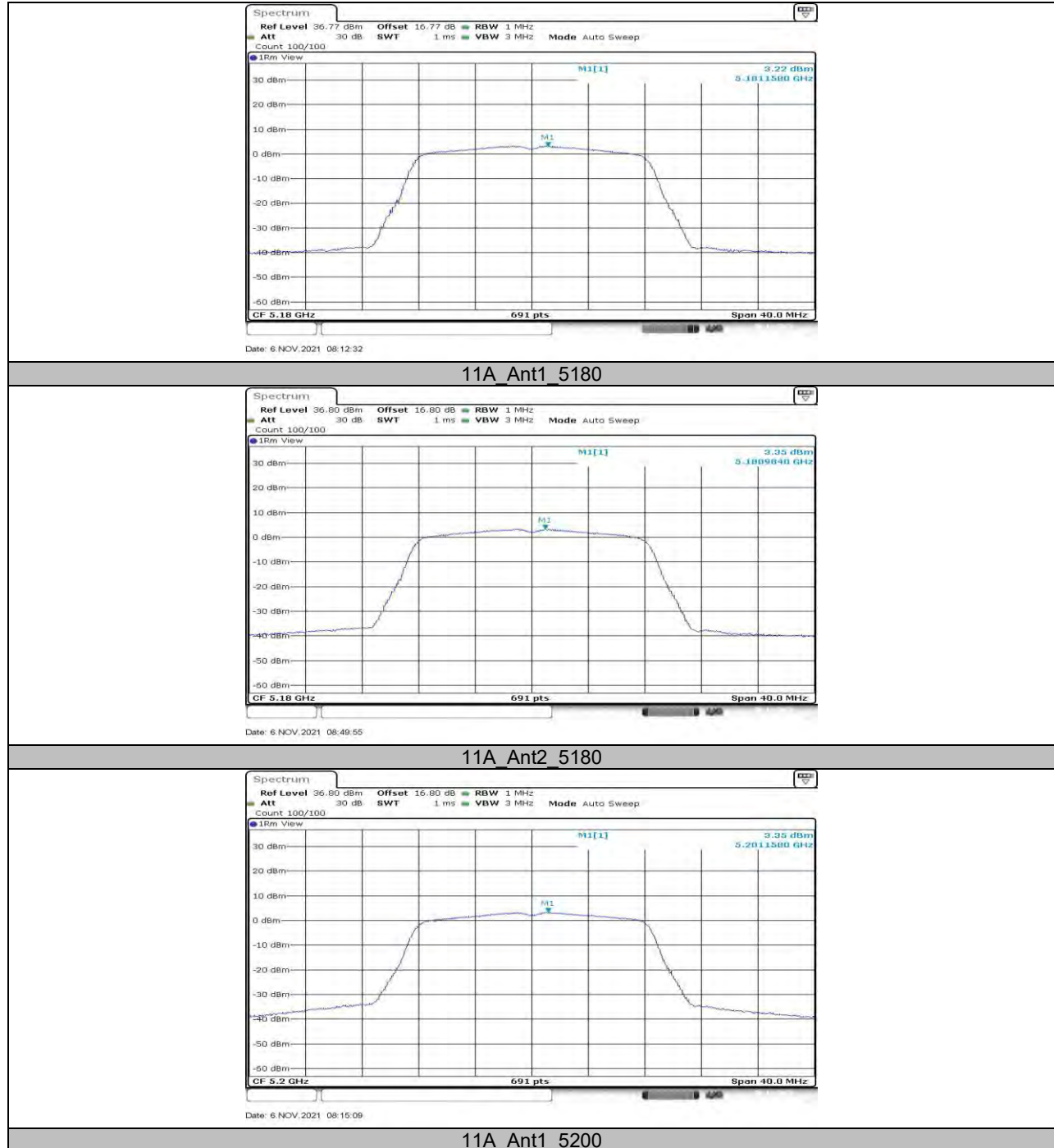


	Ant2	5290	-3.96	≤ 11	---	---	PASS
	total	5290	-1.10	≤ 11	---	---	PASS
	Ant1	5530	-3.49	≤ 11	---	---	PASS
	Ant2	5530	-3.07	≤ 11	---	---	PASS
	total	5530	-0.26	≤ 11	---	---	PASS
	Ant1	5610	-3.69	≤ 11	---	---	PASS
	Ant2	5610	-3.84	≤ 11	---	---	PASS
	total	5610	-0.75	≤ 11	---	---	PASS
	Ant1	5690_UNII-2C	-5.09	≤ 11	---	---	PASS
	Ant2	5690_UNII-2C	-3.91	≤ 11	---	---	PASS
	total	5690_UNII-2C	-1.45	≤ 11	---	---	PASS
	Ant1	5690_UNII-3	-11.69	≤ 11	---	---	PASS
	Ant2	5690_UNII-3	-9.98	≤ 11	---	---	PASS
	total	5690_UNII-3	-7.74	≤ 11	---	---	PASS
	Ant1	5775	-8.41	≤ 30	---	---	PASS
	Ant2	5775	-6.13	≤ 30	---	---	PASS
	total	5775	-4.11	≤ 30	---	---	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.

12.5.2. 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 5720 UNII-2C



11A Ant2 5720 UNII-2C



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



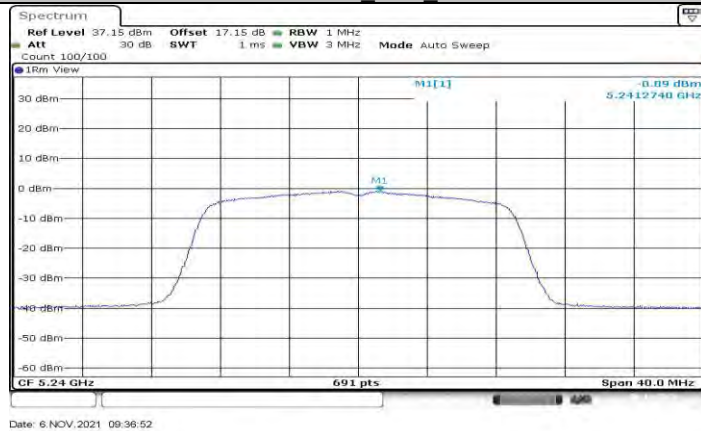
11N20MIMO Ant2 5180



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 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



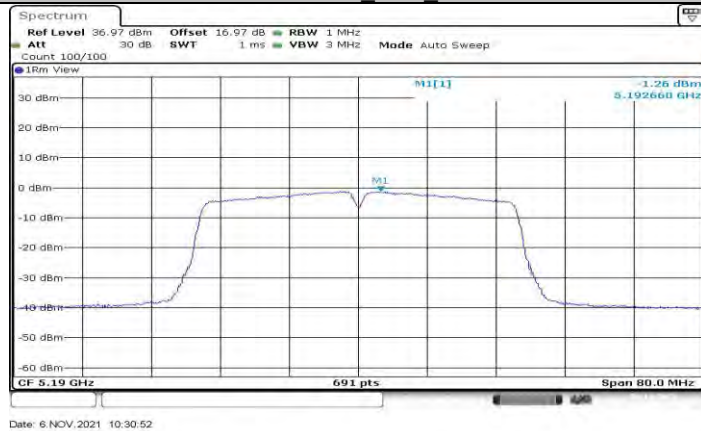
11N20MIMO Ant2 5785



11N20MIMO Ant1 5825



11N20MIMO Ant2 5825



11N40MIMO Ant1 5190



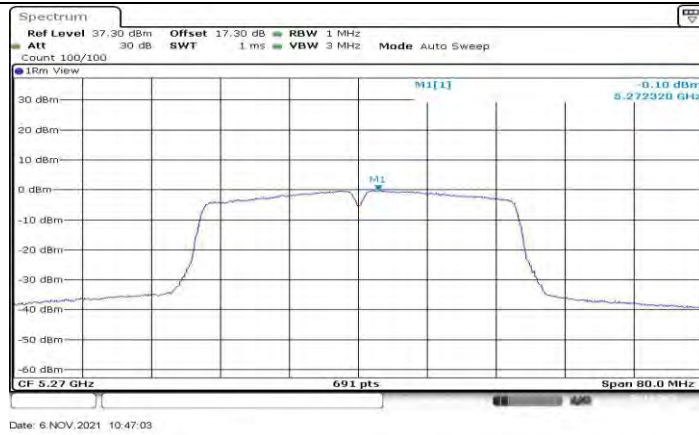
11N40MIMO Ant2 5190



11N40MIMO Ant1 5230



11N40MIMO Ant2 5230



11N40MIMO Ant1 5270



11N40MIMO Ant2 5270



11N40MIMO Ant1 5310



11N40MIMO Ant2 5310



11N40MIMO Ant1 5510



11N40MIMO Ant2 5510



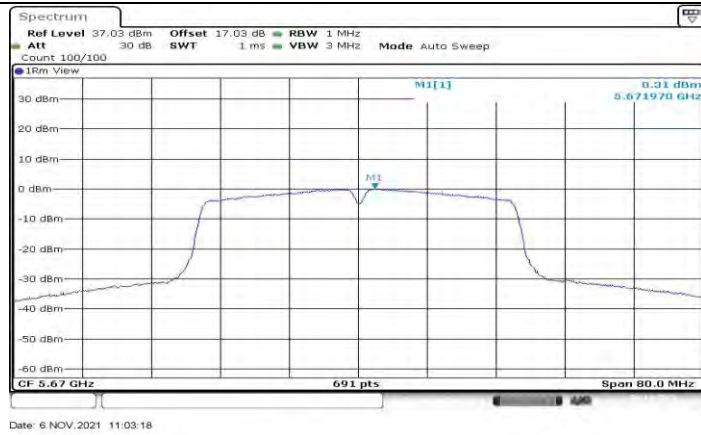
11N40MIMO Ant1 5550



11N40MIMO Ant2 5550



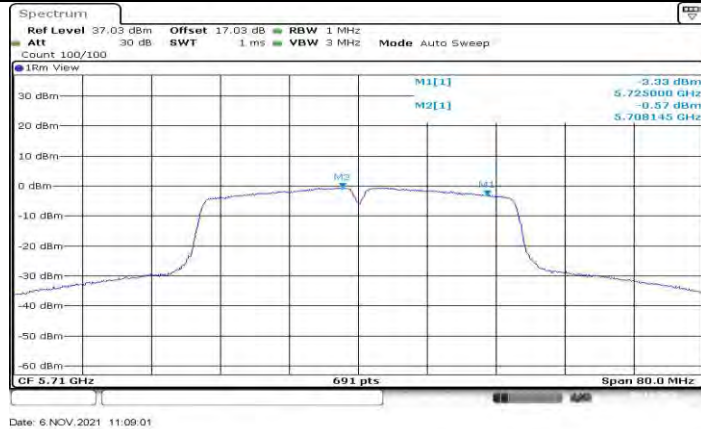
11N40MIMO Ant1 5670



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



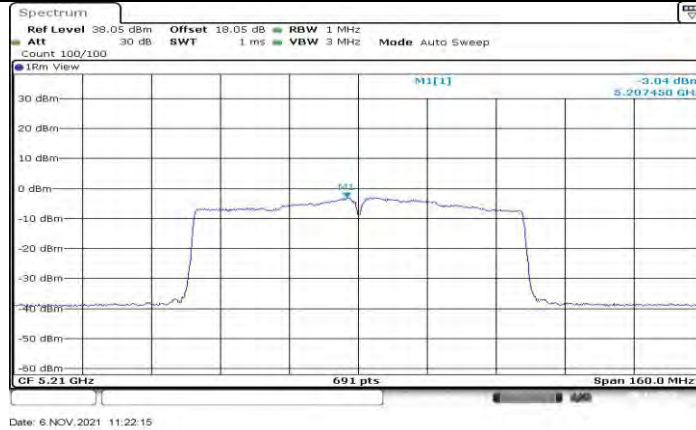
11N40MIMO Ant1 5795



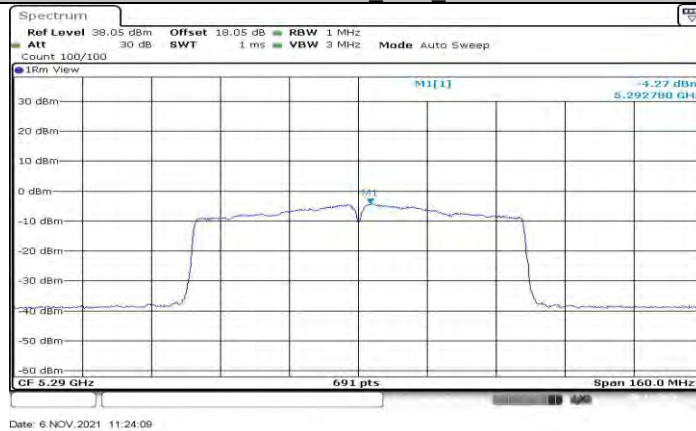
11N40MIMO Ant2 5795



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



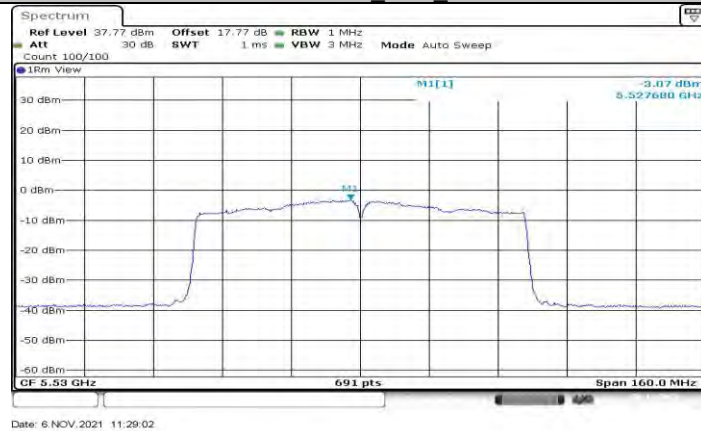
11AC80MIMO_Ant1_5290



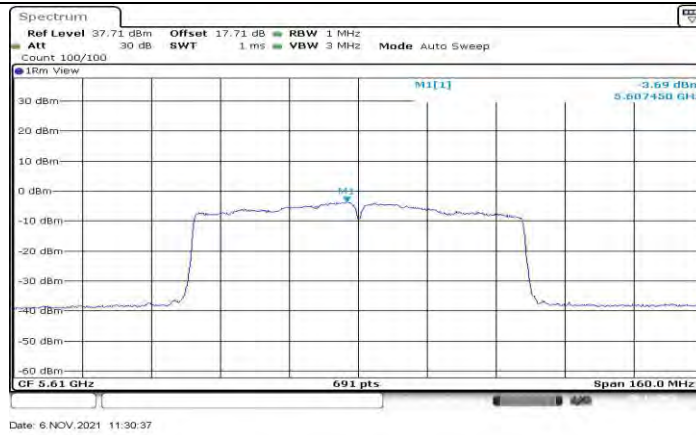
11AC80MIMO_Ant2_5290



11AC80MIMO_Ant1_5530



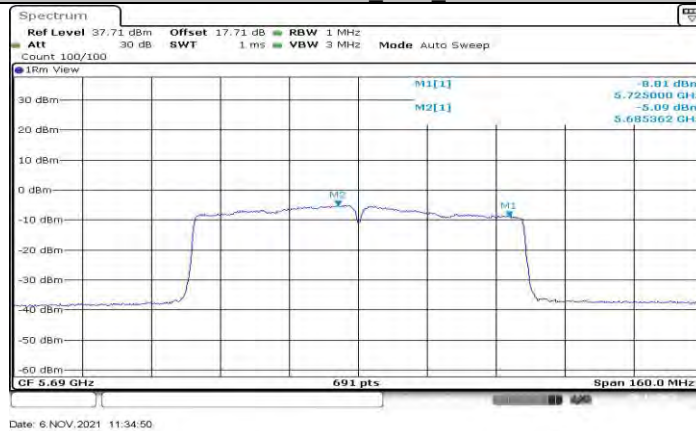
11AC80MIMO_Ant2_5530



11AC80MIMO_Ant1_5610



11AC80MIMO_Ant2_5610



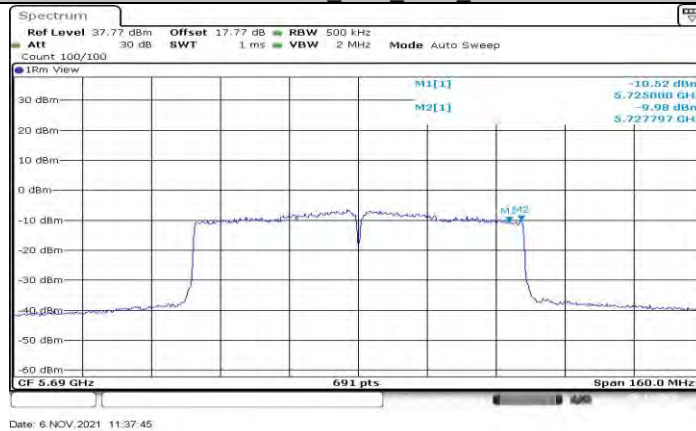
11AC80MIMO_Ant1_5690_UNII-2C



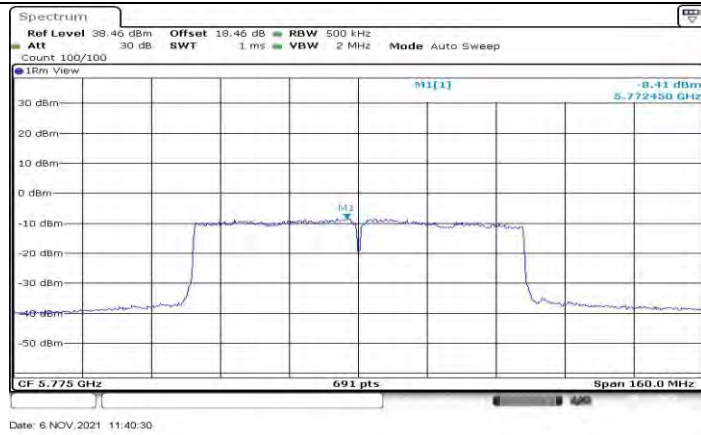
11AC80MIMO Ant2 5690 UNII-2C



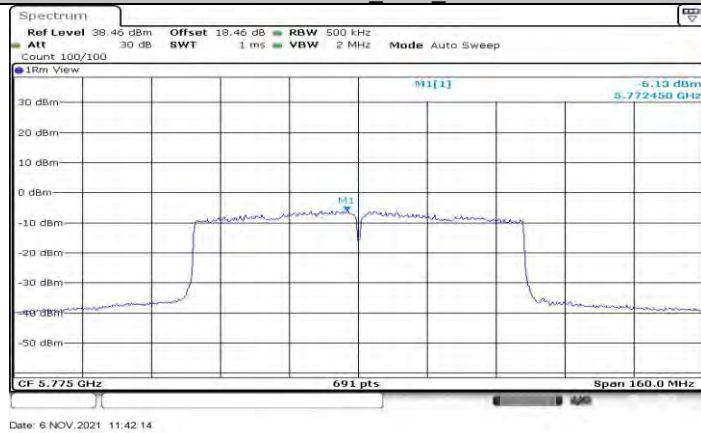
11AC80MIMO Ant1 5690 UNII-3



11AC80MIMO Ant2 5690 UNII-3



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



12.6. Appendix D: Duty Cycle

12.6.1. 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	1.37	1.41	0.9716	97.16	0.13	0.73	1
11N20MIMO	1.29	1.33	0.9699	96.99	0.13	0.78	1
11N40MIMO	0.64	0.69	0.9275	92.75	0.33	1.56	2
11AC80MIMO	0.19	0.23	0.8261	82.61	0.83	5.26	6

Note:

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

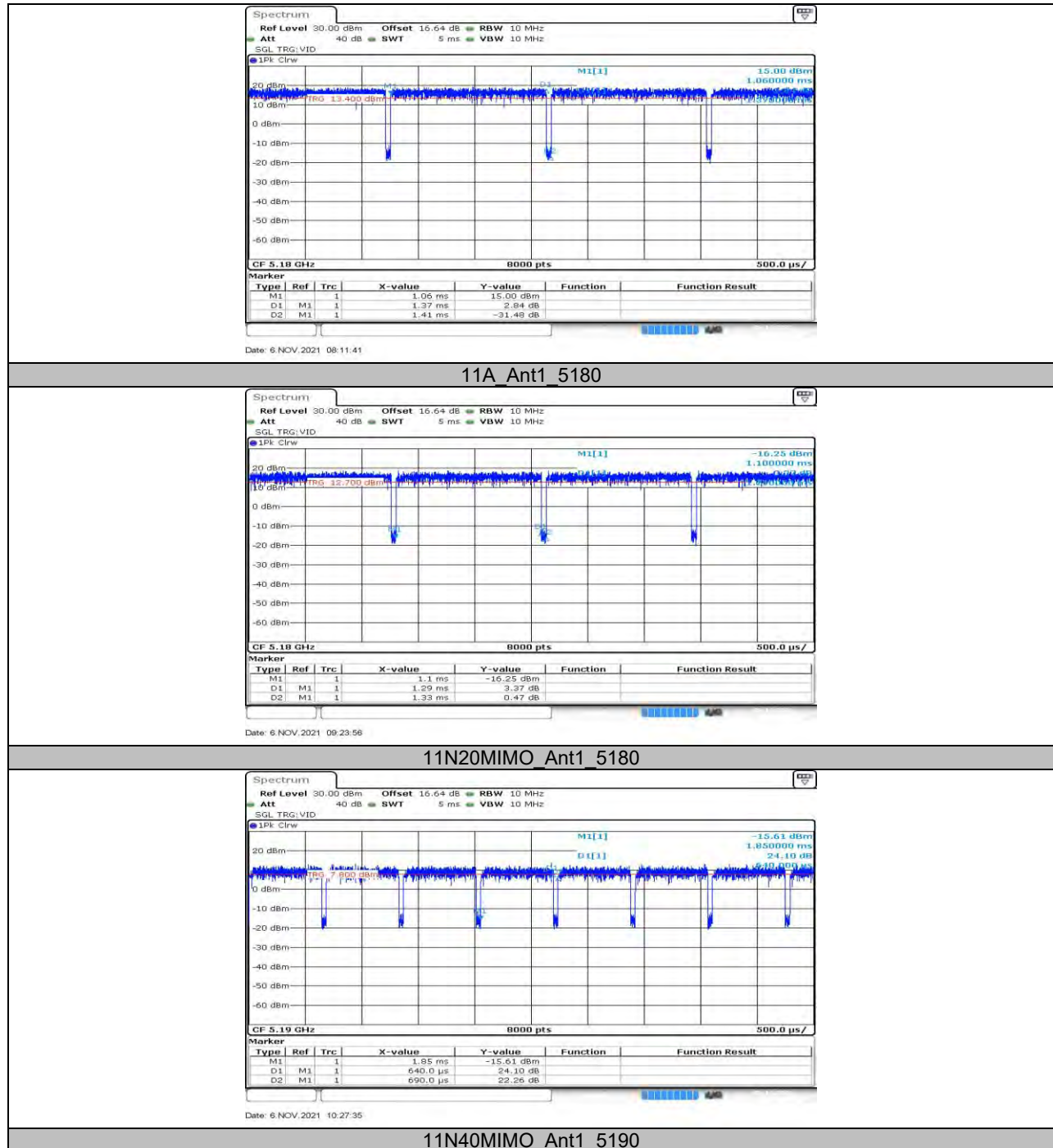
Where: x is Duty Cycle (Linear)

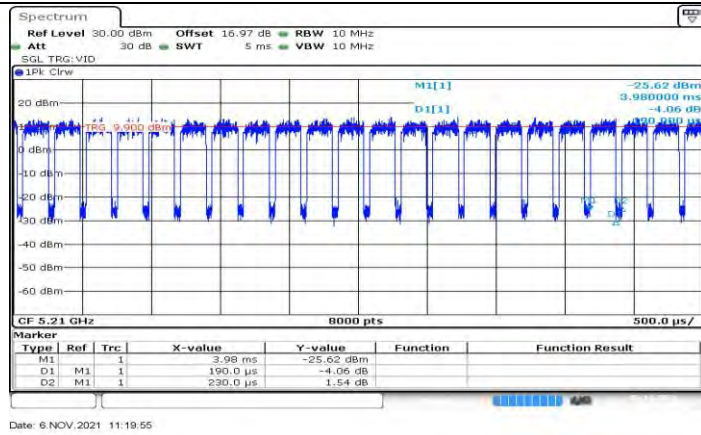
Where: T is On Time

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



12.6.2. Test Graphs





11AC80MIMO_Ant1_5210

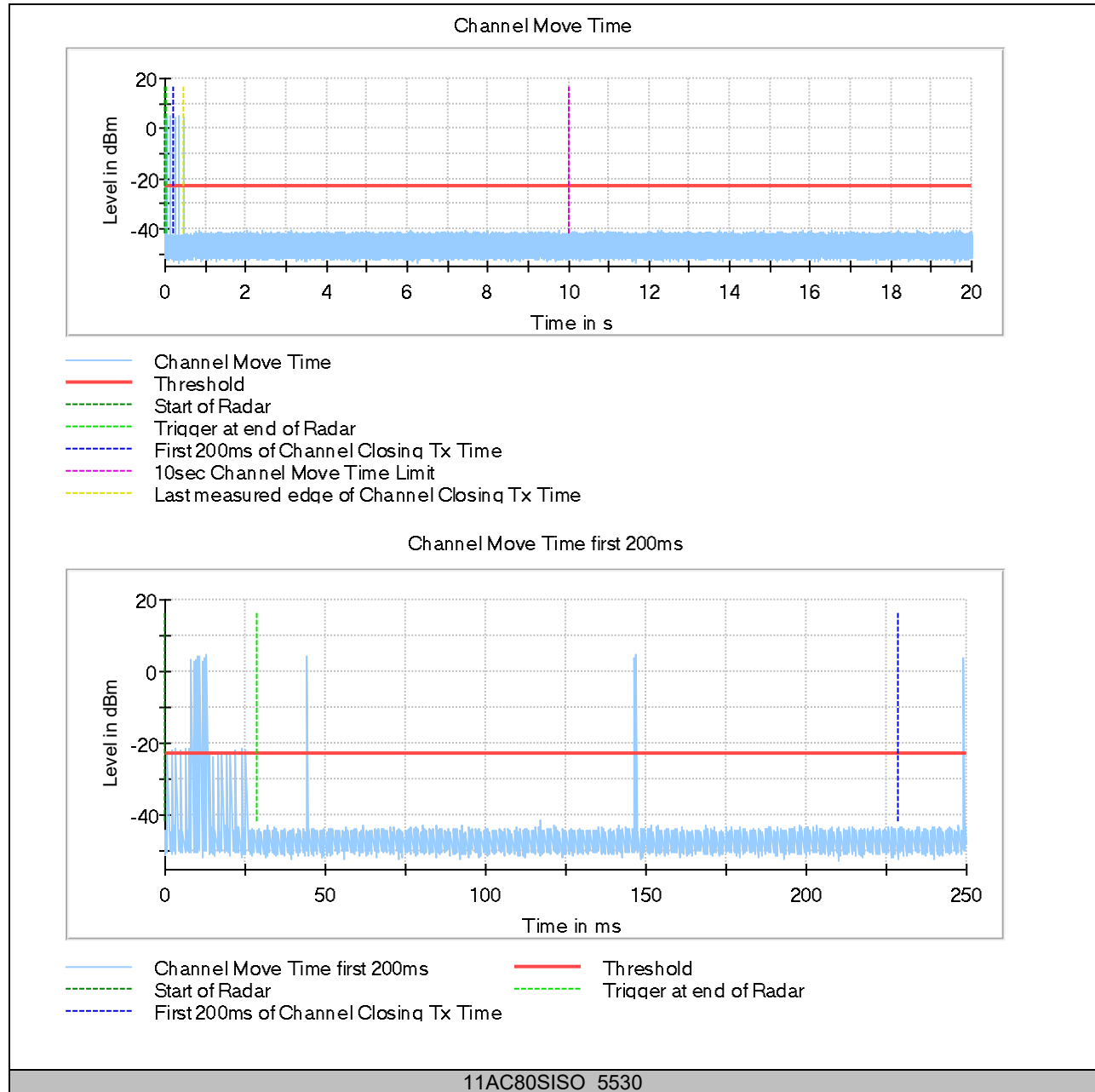


12.7. Appendix E: Channel Move Time and Channel Closing Transmission Time

12.7.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80	5530	0.03	200+60	451	10000	PASS

12.7.2. Test Graphs



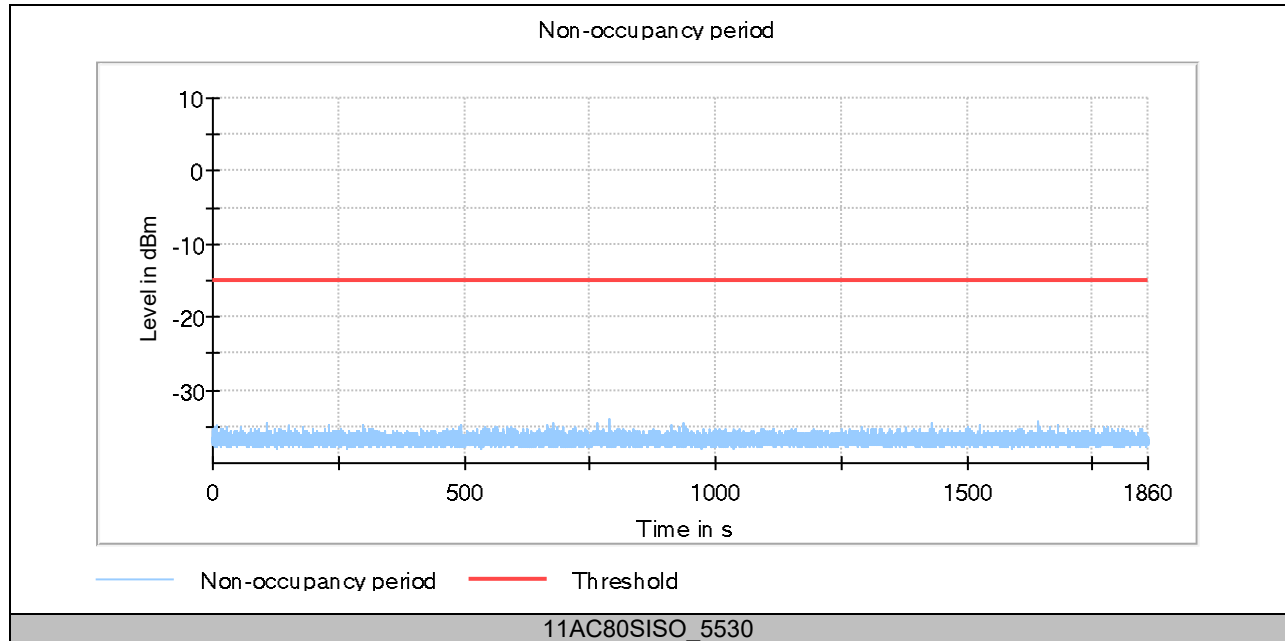


12.8. Appendix F: Non-Occupancy Period

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80	5530	see test graph	≥ 1800	PASS

12.8.1. Test Graphs





12.9. Appendix G: Frequency Stability

12.9.1. Test Result

Frequency Error vs. Voltage									
802.11a20:5200MHz									
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	5199.9792	-4.00	5200.0025	0.49	5199.9950	-0.96	5199.9952	-0.91
TN	VN	5200.0171	3.29	5199.9882	-2.28	5199.9790	-4.03	5200.0080	1.54
TN	VH	5199.9853	-2.82	5200.0155	2.98	5200.0173	3.33	5200.0235	4.52
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	5200.0227	4.36	5200.0126	2.42	5199.9890	-2.11	5200.0127	2.44
60	VN	5200.0177	3.40	5199.9924	-1.46	5199.9756	-4.69	5199.9922	-1.49
50	VN	5199.9971	-0.57	5199.9754	-4.73	5199.9945	-1.05	5199.9905	-1.83
40	VN	5200.0171	3.29	5199.9832	-3.23	5200.0002	0.04	5199.9805	-3.75
30	VN	5200.0059	1.13	5199.9826	-3.35	5199.9830	-3.27	5199.9902	-1.89
20	VN	5199.9872	-2.46	5199.9761	-4.60	5200.0136	2.61	5200.0078	1.50
10	VN	5199.9782	-4.19	5199.9761	-4.60	5199.9950	-0.96	5200.0220	4.24
0	VN	5199.9808	-3.68	5199.9935	-1.26	5199.9765	-4.53	5200.0240	4.62

Note:

1. All antennas and test modes have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 10 TEST ENVIRONMENT.



Frequency Error vs. Voltage									
802.11a:5825MHz									
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	5825.0164	2.82	5824.9904	-1.65	5824.9883	-2.00	5825.0074	1.27
TN	VN	5824.9955	-0.77	5824.9751	-4.28	5825.0191	3.27	5825.0240	4.13
TN	VH	5824.9942	-1.00	5824.9763	-4.06	5825.0169	2.90	5825.0101	1.73
Frequency Error vs. Temperature									
802.11a:5825MHz									
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	5200.0067	1.29	5199.9807	-3.71	5200.0020	0.39	5199.9790	-4.03
60	VN	5200.0028	0.54	5199.9980	-0.38	5199.9895	-2.01	5199.9889	-2.13
50	VN	5199.9906	-1.80	5199.9850	-2.89	5200.0012	0.23	5200.0113	2.18
40	VN	5824.9788	-3.64	5825.0088	1.51	5824.9883	-2.02	5825.0049	0.84
30	VN	5824.9908	-1.58	5824.9834	-2.85	5824.9914	-1.48	5824.9813	-3.22
20	VN	5825.0075	1.29	5824.9758	-4.16	5824.9751	-4.28	5824.9994	-0.10
10	VN	5825.0146	2.51	5825.0240	4.11	5824.9936	-1.10	5825.0076	1.30
0	VN	5825.0198	3.40	5824.9881	-2.05	5824.9891	-1.88	5825.0054	0.93

Note:

1. All antennas and test modes have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 10 TEST ENVIRONMENT.

END OF REPORT