

	total	5290	-1.42	≤9.50	3.07		PASS
	Ant1	5530	-4.73	≤9.50	-0.24		PASS
	Ant2	5530	-3.66	≤9.50	0.83		PASS
	total	5530	-1.15	≤9.50	3.34		PASS
	Ant1	5610	-5.97	≤9.50	-1.48		PASS
					0.97		PASS
	Ant2	5610	-3.52	≤9.50			
	total	5610	-1.56	≤9.50	2.93		PASS
	Ant1	5690_UNII- 2C	-5.04	≤9.50	-0.55		PASS
	Ant2	5690_UNII- 2C	-3.55	≤9.50	0.94		PASS
	total	5690_UNII- 2C	-1.22	≤9.50	3.27		PASS
	Ant1	5690 UNII-3	-12.67	≤28.50	-8.18		PASS
	Ant2	5690 UNII-3	-10.24	≤28.50	-5.75		PASS
							PASS
	total	5690_UNII-3	-8.28	≤28.50	-3.79		
	Ant1	5775	-8.99	≤28.50	-4.50		PASS
	Ant2	5775	-6.58	≤28.50	-2.09		PASS
	total	5775	-4.61	≤28.50	-0.12		PASS
	Ant1	5180	-3.17	≤9.50	1.32	≤10.00	PASS
	Ant2	5180	0.45	≤9.50	4.94	≤10.00	PASS
	total	5180	2.02	≤9.50	6.51	≤10.00	PASS
	Ant1	5200	-3.74	≤9.50	0.75	≤10.00	PASS
	Ant2	5200	-0.26	≤9.50	4.23	≤10.00	PASS
	total	5200	1.35	≤9.50	5.84	≤10.00	PASS
	Ant1	5240	-2.61	≤9.50	1.88	≤10.00	PASS
	Ant2	5240	-0.17	≤9.50	4.32	≤10.00	PASS
	total	5240	1.79	≤9.50	6.28	≤10.00	PASS
							PASS
	Ant1	5260	-0.46	≤9.50	4.03		
	Ant2	5260	1.57	≤9.50	6.06		PASS
	total	5260	3.68	≤9.50	8.17		PASS
	Ant1	5280	-1.32	≤9.50	3.17		PASS
	Ant2	5280	1.22	≤9.50	5.71		PASS
	total	5280	3.14	≤9.50	7.63		PASS
	Ant1	5320	-0.91	≤9.50	3.58		PASS
	Ant2	5320	1.31	≤9.50	5.80		PASS
	total	5320	3.35	≤9.50	7.84		PASS
	Ant1	5500	-0.88	≤9.50	3.61		PASS
	Ant2	5500	1.63	≤9.50	6.12		PASS
4447/00141140	total	5500	3.56	≤9.50	8.05		PASS
11AX20MIMO	Ant1	5580	-1.01	≤9.50	3.48		PASS
				≤9.50	6.09		
	Ant2	5580	1.6				PASS
	total	5580	3.50	≤9.50	7.99		PASS
	Ant1	5700	-1.03	≤9.50	3.46		PASS
	Ant2	5700	1.93	≤9.50	6.42		PASS
	total	5700	3.71	≤9.50	8.20		PASS
	Ant1	5720_UNII- 2C	-1.22	≤9.50	3.27		PASS
	Ant2	5720_UNII- 2C	1.75	≤9.50	6.24	-	PASS
	total	5720_UNII- 2C	3.52	≤9.50	8.01		PASS
	Ant1	5720 UNII-3	-5.42	≤28.50	-0.93		PASS
	Ant2	5720_UNII-3	-3.35	≤28.50	1.14		PASS
	total	5720_UNII-3	-1.25	≤28.50	3.24		PASS
	Ant1	5745	-4.52	≤28.50	-0.03		PASS
	Ant2	5745	-1.07	≤28.50	3.42		PASS
	total	5745	0.55	≤28.50	5.04		PASS
	Ant1	5785	-3.79	≤28.50	0.70		PASS
	Ant2	5785	-1.06	≤28.50	3.43		PASS
	total	5785	0.80	≤28.50	5.29		PASS
	เบเสเ	3103	0.00	≟∠ 0.JU	J.Z3		IASS



	Ant1	5825	-5.4	≤28.50	-0.91		PASS
	Ant2	5825	-1.69	≤28.50	2.80		PASS
	total	5825	-0.15	≤28.50	4.34		PASS
					0.56	<10.00	PASS
	Ant1	5190	-3.93	≤9.50		≤10.00	
	Ant2	5190	-0.94	≤9.50	3.55	≤10.00	PASS
	total	5190	0.83	≤9.50	5.32	≤10.00	PASS
	Ant1	5230	-3.9	≤9.50	0.59	≤10.00	PASS
	Ant2	5230	-1.66	≤9.50	2.83	≤10.00	PASS
	total	5230	0.37	≤9.50	4.86	≤10.00	PASS
		5270			0.79	=10.00	PASS
	Ant1		-3.7	≤9.50			
	Ant2	5270	-1.36	≤9.50	3.13		PASS
	total	5270	0.64	≤9.50	5.13		PASS
	Ant1	5310	-3.92	≤9.50	0.57		PASS
	Ant2	5310	-1.05	≤9.50	3.44		PASS
	total	5310	0.76	≤9.50	5.25		PASS
				≤9.50	0.72		PASS
	Ant1	5510	-3.77				
	Ant2	5510	-0.73	≤9.50	3.76		PASS
	total	5510	1.02	≤9.50	5.51		PASS
	Ant1	5550	-3.49	≤9.50	1.00		PASS
	Ant2	5550	-0.84	≤9.50	3.65		PASS
	total	5550	1.04	≤9.50	5.53		PASS
11AX40MIMO						1	
	Ant1	5670	-3.08	≤9.50	1.41		PASS
	Ant2	5670	-0.93	≤9.50	3.56		PASS
	total	5670	1.14	≤9.50	5.63		PASS
	Ant1	5710_UNII- 2C	-4	≤9.50	0.49		PASS
	Ant2	5710_UNII- 2C	-0.77	≤9.50	3.72		PASS
	total	5710_UNII- 2C	0.92	≤9.50	5.41		PASS
	A 14		0.00	400.50	4.00		DAGO
	Ant1	5710_UNII-3	-9.38	≤28.50	-4.89		PASS
	Ant2	5710_UNII-3	-6.29	≤28.50	-1.80		PASS
	total	5710_UNII-3	-4.56	≤28.50	-0.07		PASS
	Ant1	5755	-6.33	≤28.50	-1.84		PASS
	Ant2	5755	-4.3	≤28.50	0.19		PASS
	total	5755	-2.19	≤28.50	2.30		PASS
	Ant1	5795	-7.23	≤28.50	-2.74		PASS
						1	
	Ant2	5795	-4.89	≤28.50	-0.40		PASS
	total	5795	-2.89	≤28.50	1.60		PASS
	Ant1	5210	-5.73	≤9.50	-1.24	≤10.00	PASS
11AX80MIMO	Ant2	5210	-3.11	≤9.50	1.38	≤10.00	PASS
	total	5210	-1.22	≤9.50	3.27	≤10.00	PASS
		5290					
	Ant1		-6.4	≤9.50	-1.91		PASS
	Ant2	5290	-3.78	≤9.50	0.71		PASS
	total	5290	-1.89	≤9.50	2.60		PASS
	Ant1	5530	-5.73	≤9.50	-1.24		PASS
	Ant2	5530	-3.41	≤9.50	1.08		PASS
	total	5530	-1.41	≤9.50	3.08		PASS
							PASS
	Ant1	5610	-5.56	≤9.50	-1.07		_
	Ant2	5610	-3.51	≤9.50	0.98		PASS
	total	5610	-1.40	≤9.50	3.09		PASS
		5690 UNII-	-5.17	≤9.50	-0.68		PASS
	Ant1				İ.	!	1
	Ant1 Ant2	2C 5690_UNII-	-2.53	≤9.50	1.96		PASS
		2C 5690_UNII- 2C 5690_UNII-		≤9.50 ≤9.50	1.96 3.85		PASS PASS
	Ant2 total	2C 5690_UNII- 2C 5690_UNII- 2C	-2.53 -0.64	≤9.50	3.85		PASS
	Ant2 total Ant1	2C 5690_UNII- 2C 5690_UNII- 2C 5690_UNII-3	-2.53 -0.64 -12.03	≤9.50 ≤28.50	3.85 -7.54		PASS PASS
	Ant2 total Ant1 Ant2	2C 5690_UNII- 2C 5690_UNII- 2C 5690_UNII-3 5690_UNII-3	-2.53 -0.64 -12.03 -9.17	≤9.50 ≤28.50 ≤28.50	3.85 -7.54 -4.68		PASS PASS PASS
	Ant2 total Ant1	2C 5690_UNII- 2C 5690_UNII- 2C 5690_UNII-3	-2.53 -0.64 -12.03	≤9.50 ≤28.50	3.85 -7.54		PASS PASS



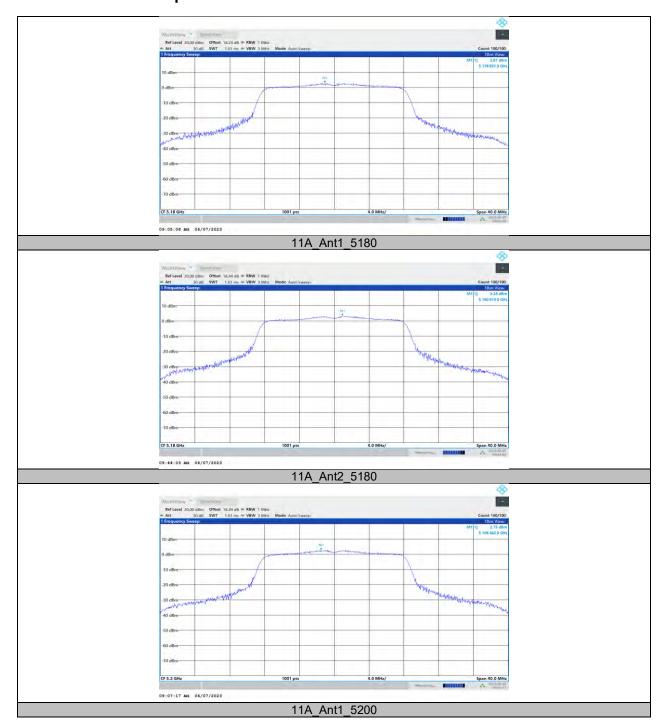
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Ant2	5775	-6.08	≤28.50	-1.59	 PASS
total	5775	-4.59	≤28.50	-0.10	 PASS

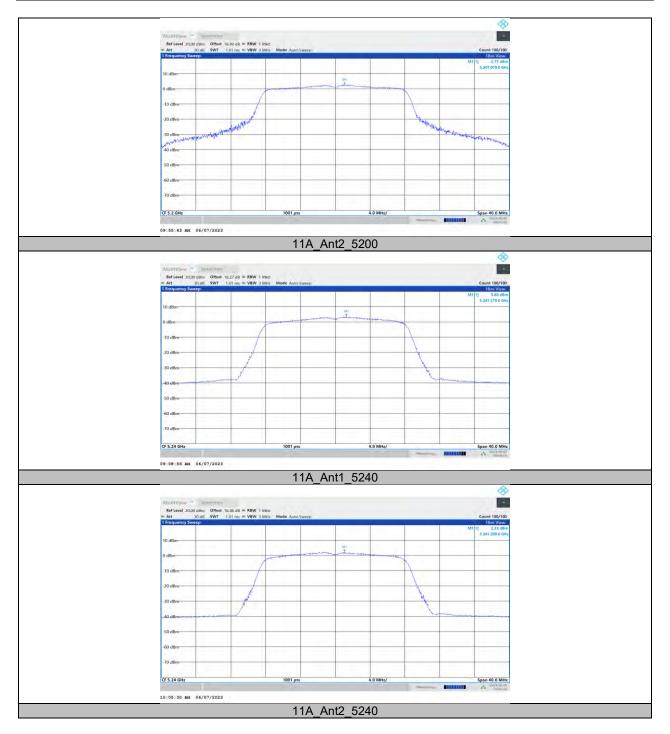
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz. 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



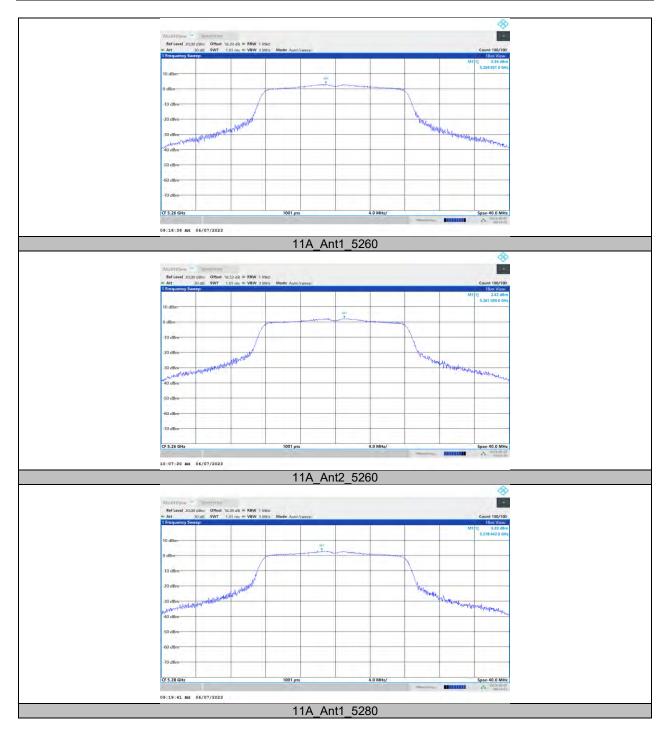
11.5.2. Test Graphs



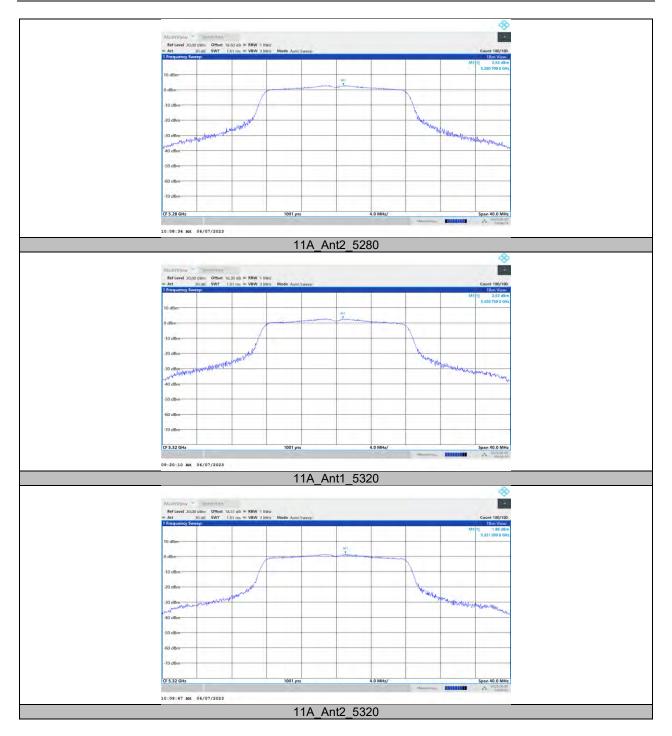




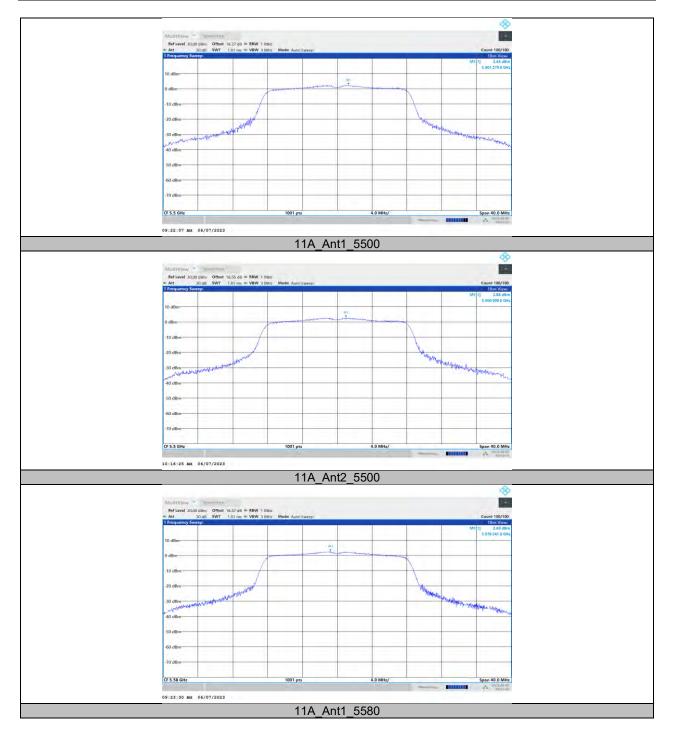




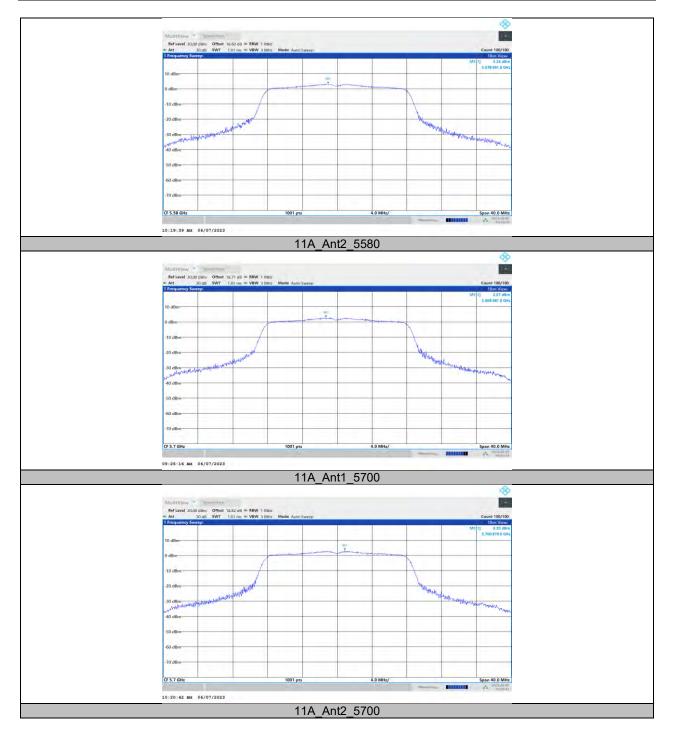




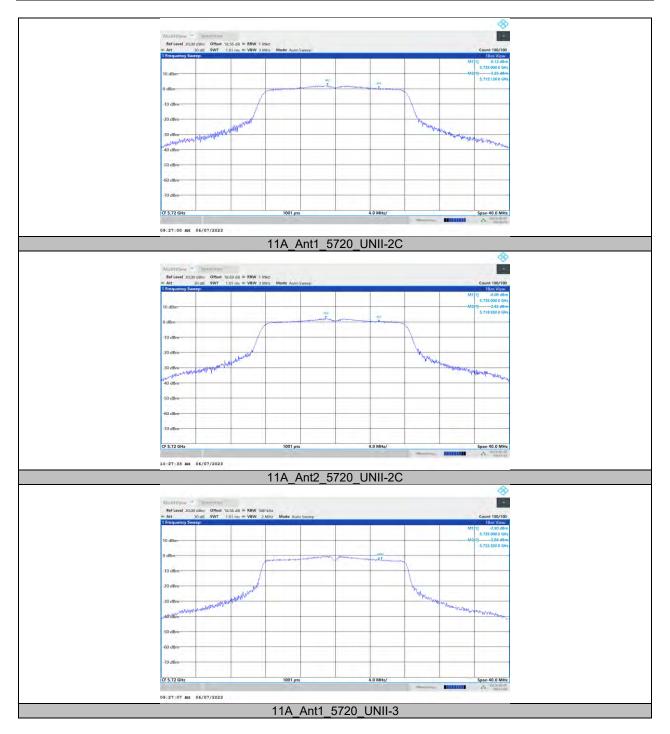




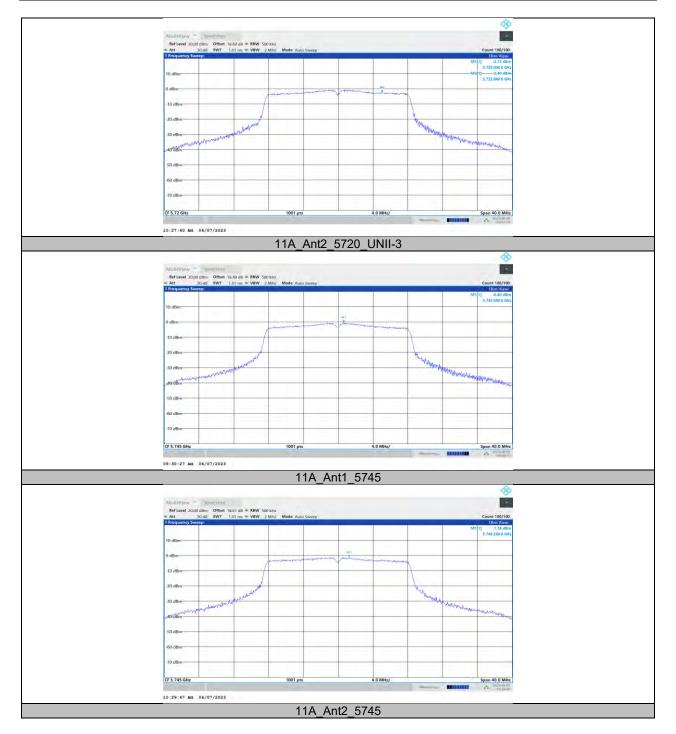




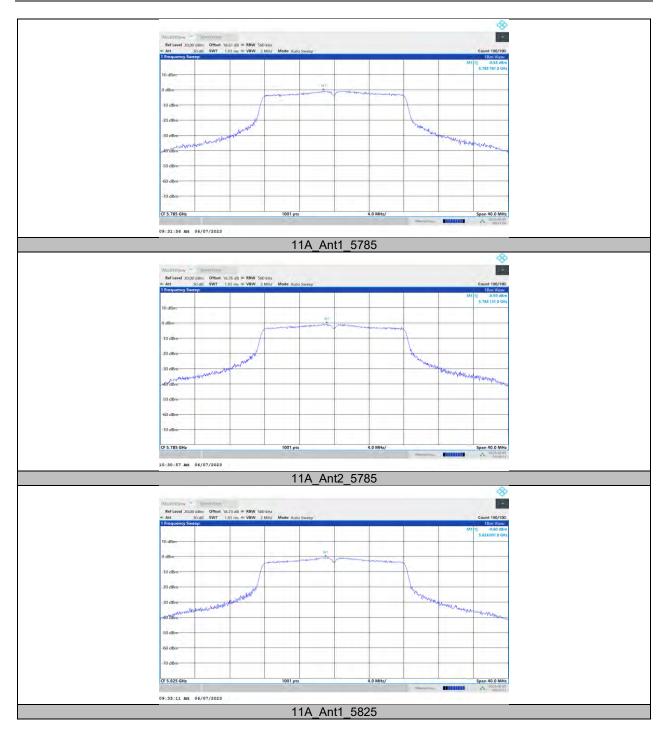




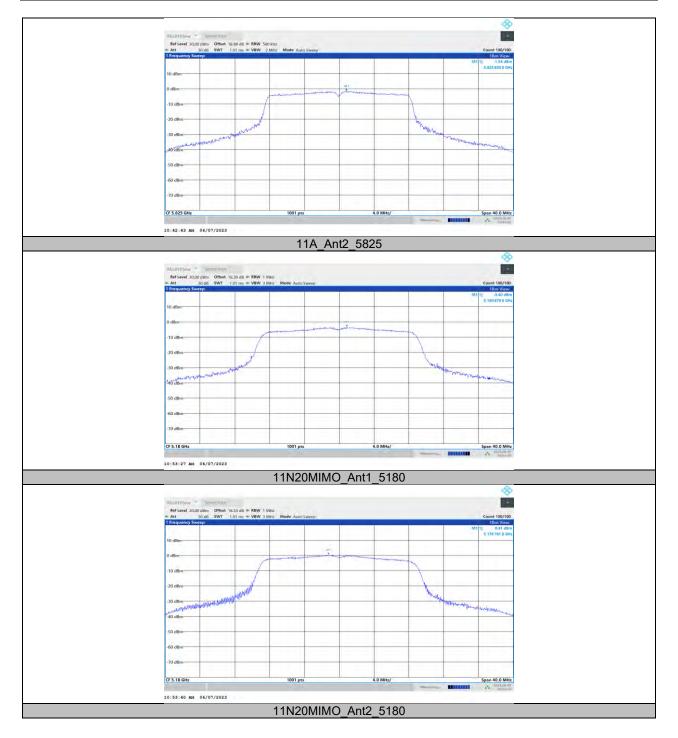




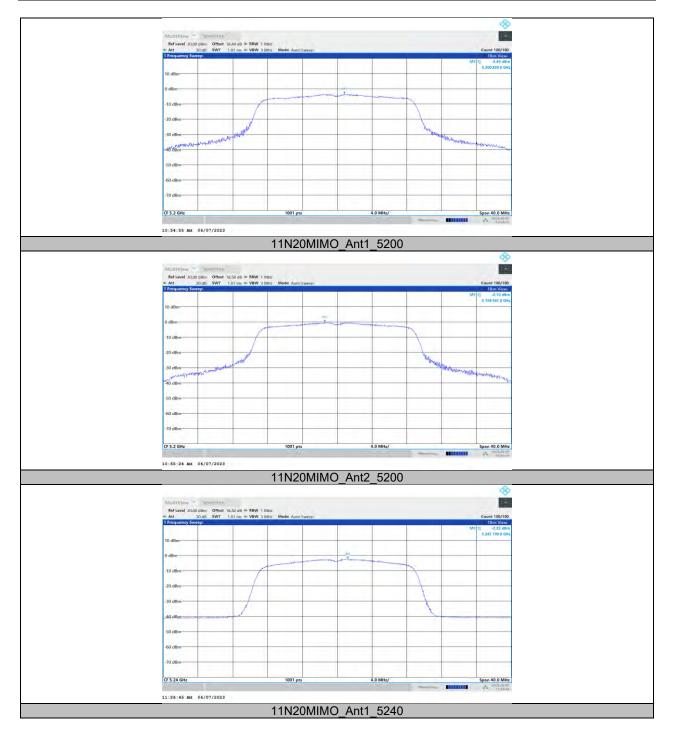




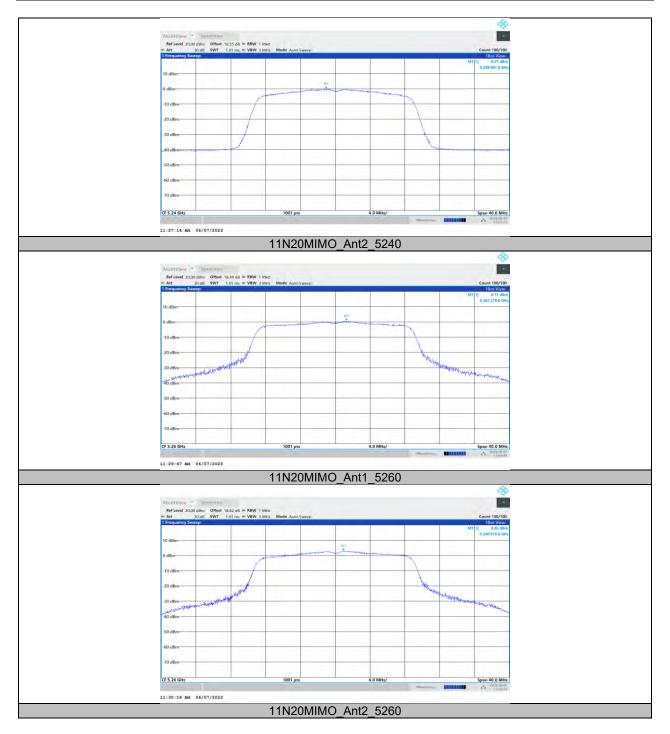




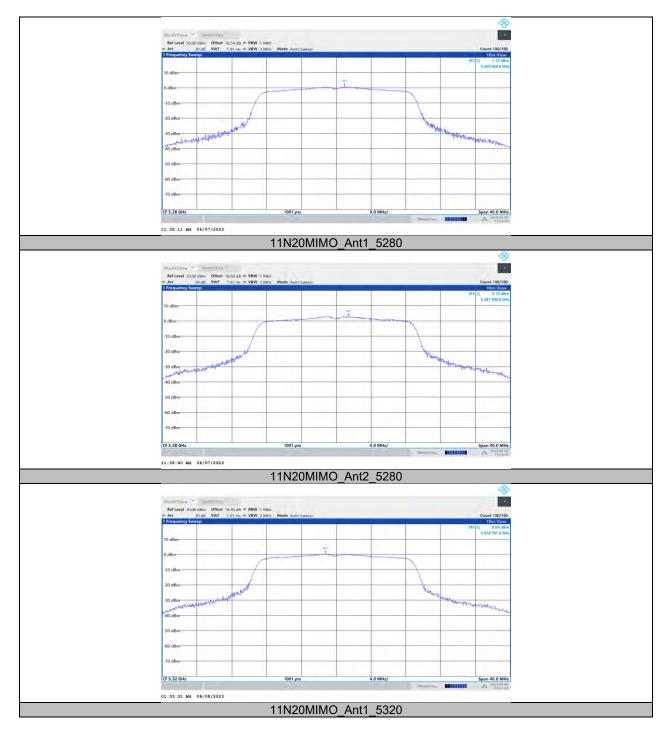




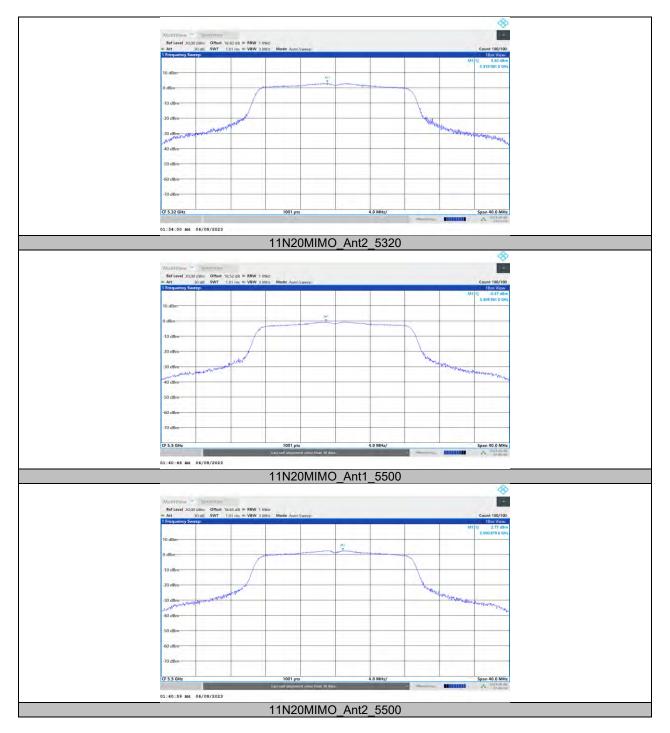




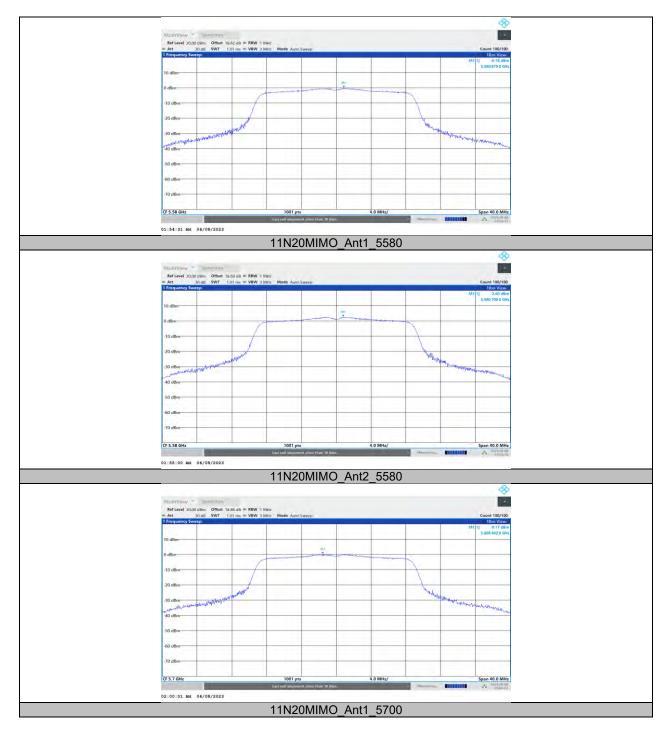




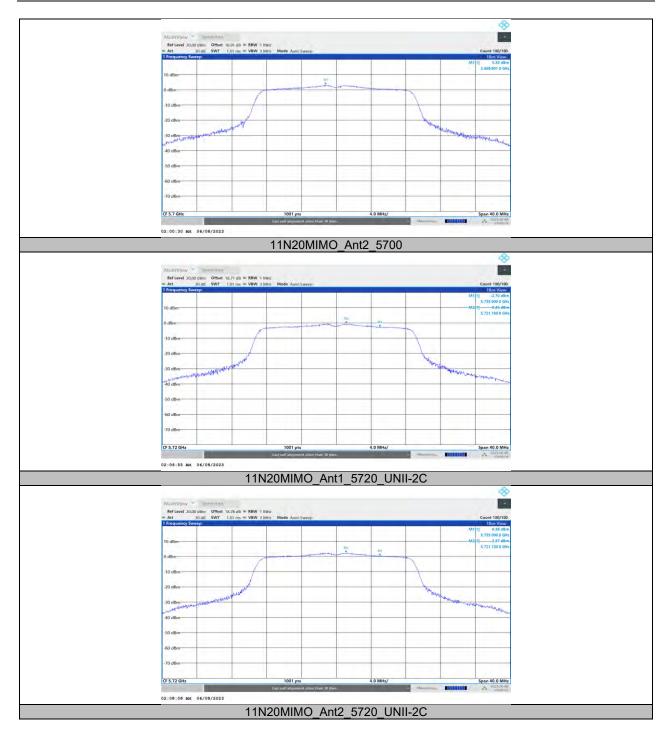




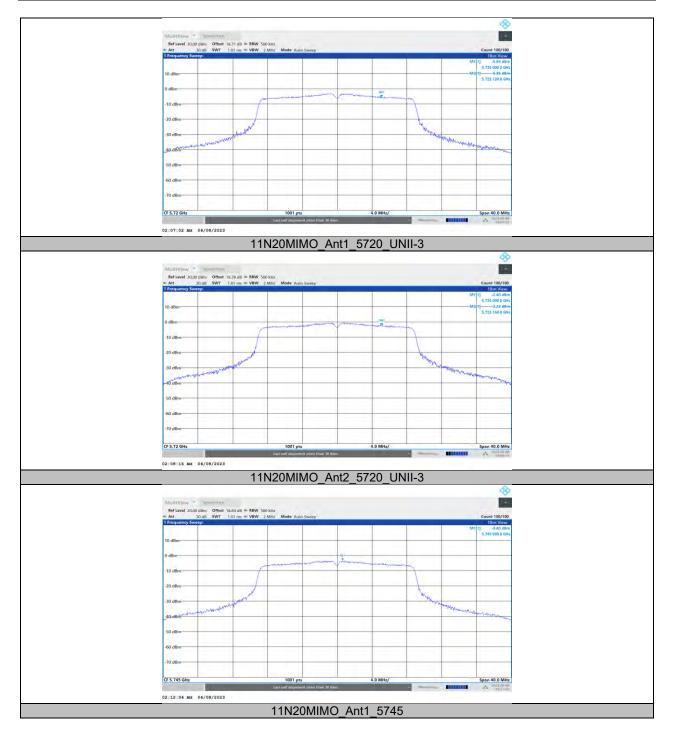




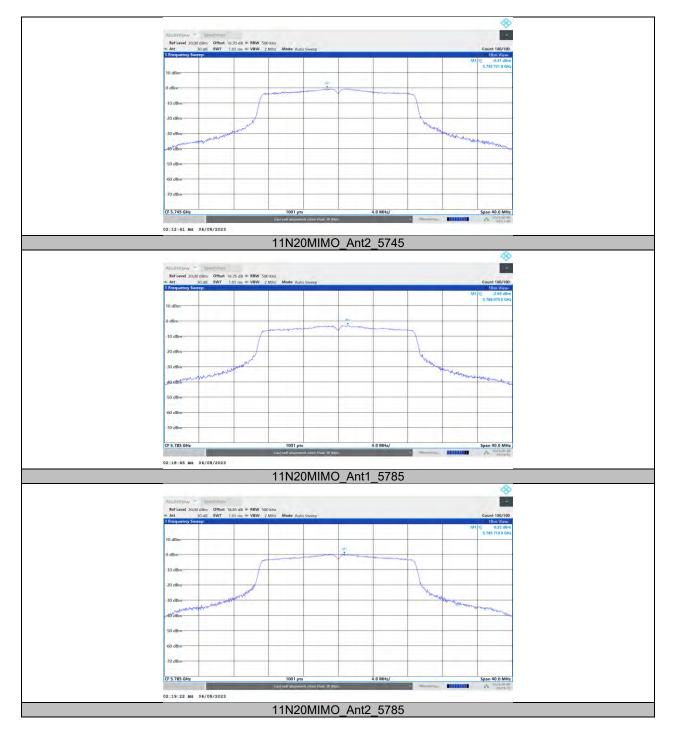




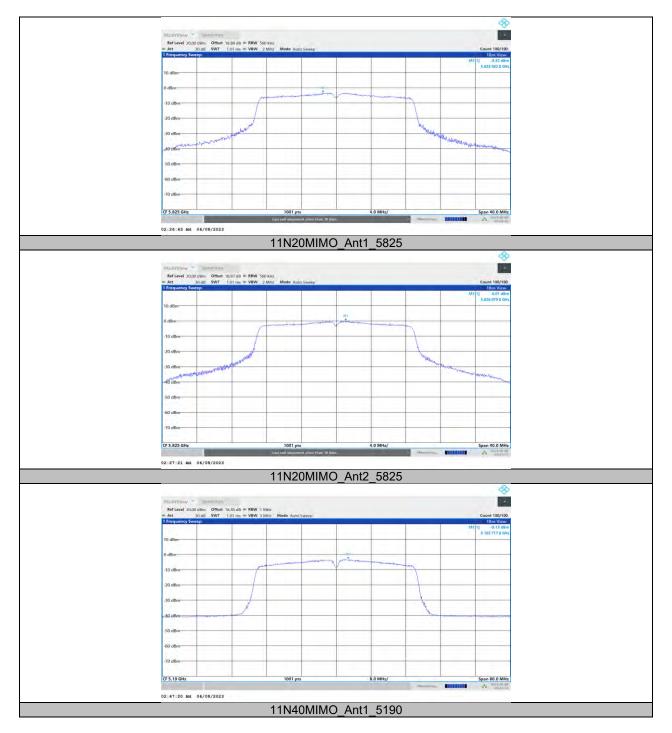




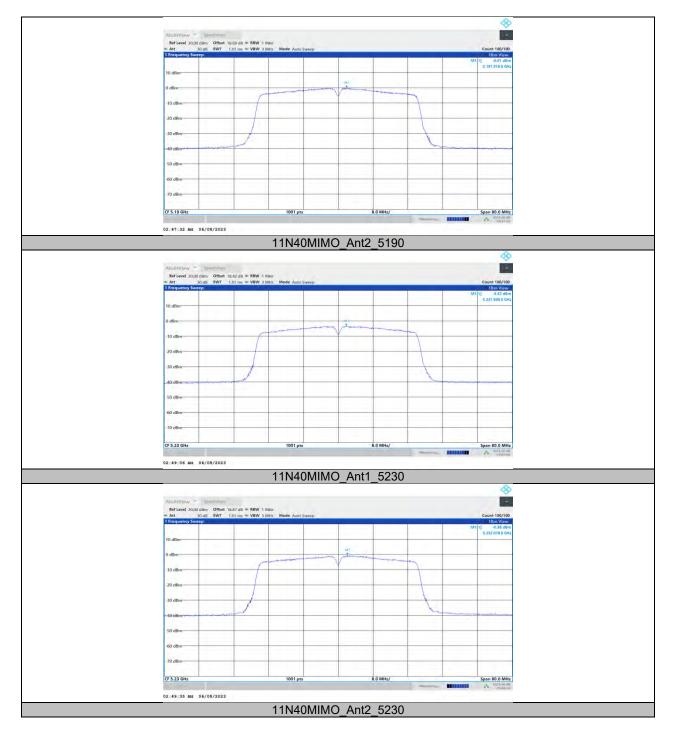




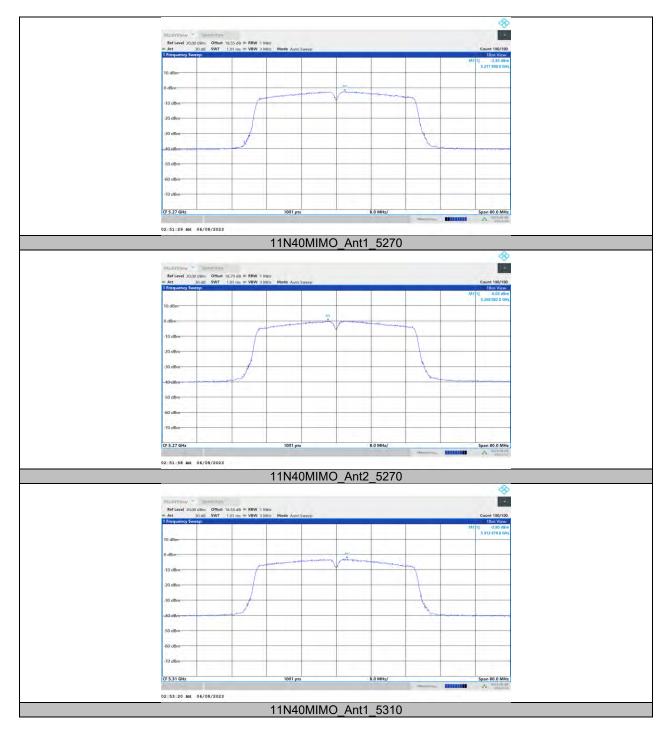




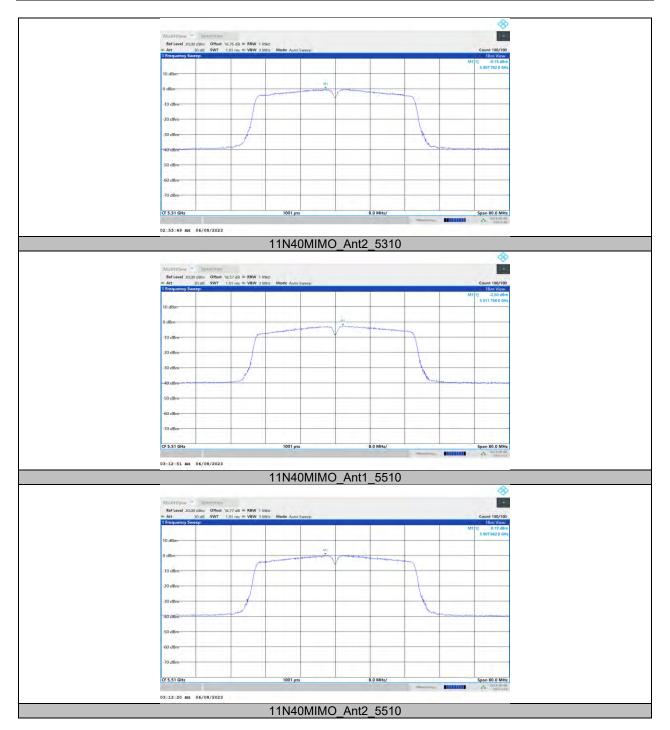




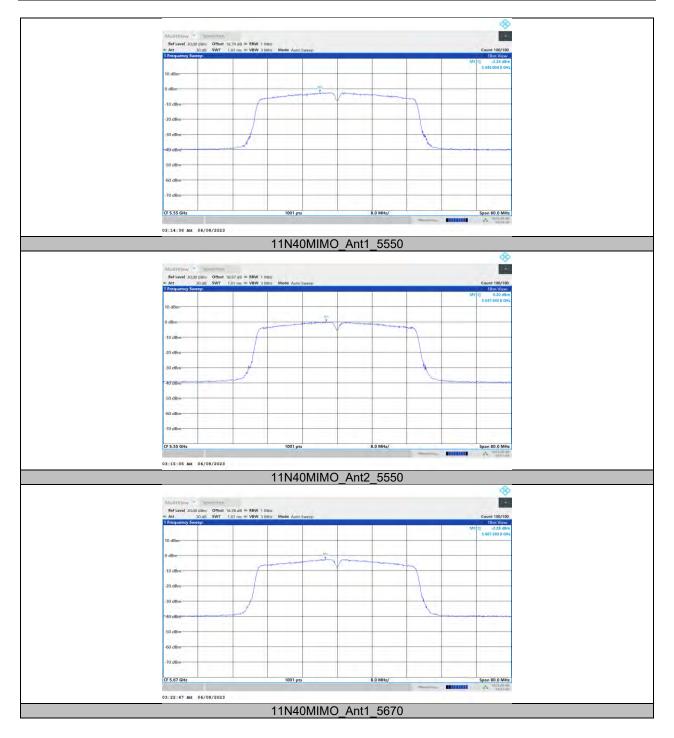




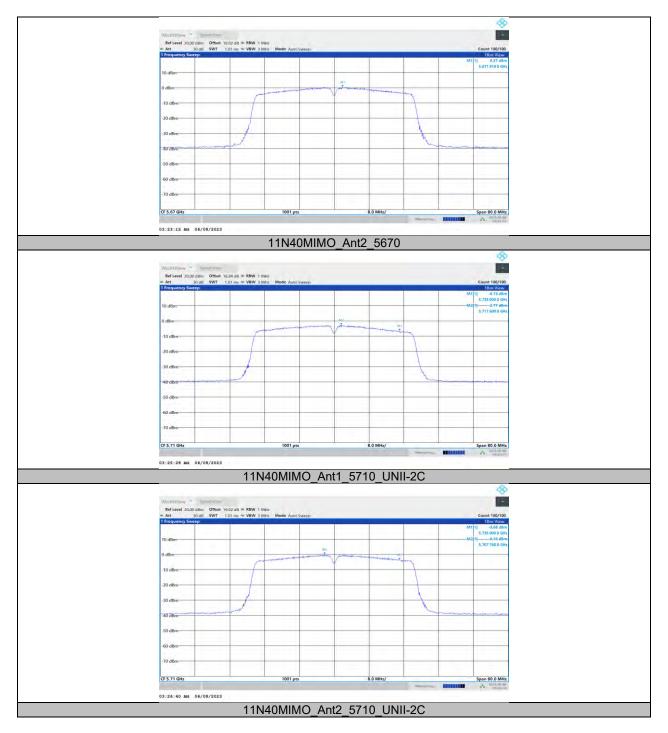




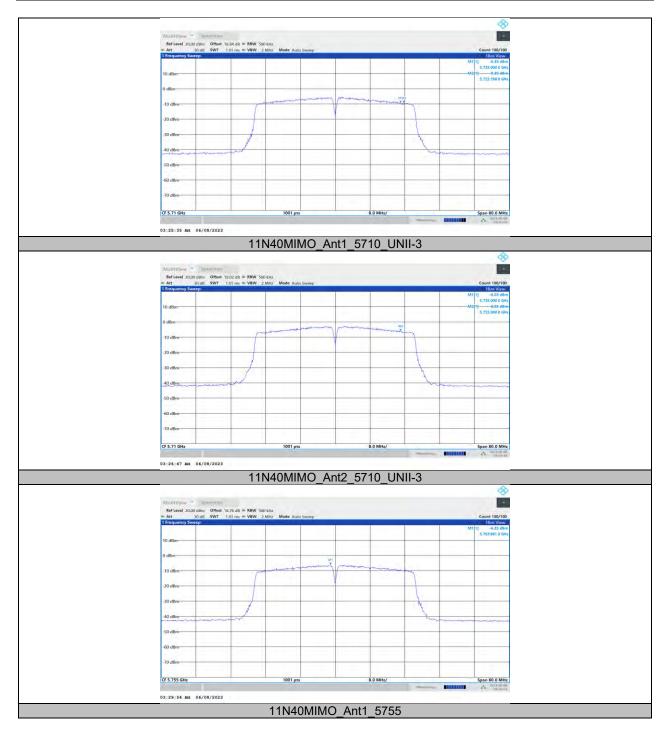




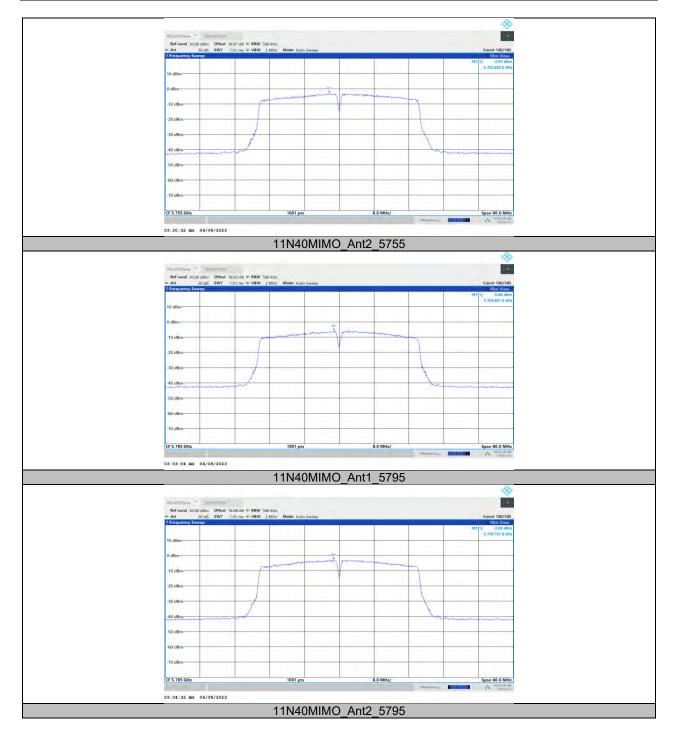




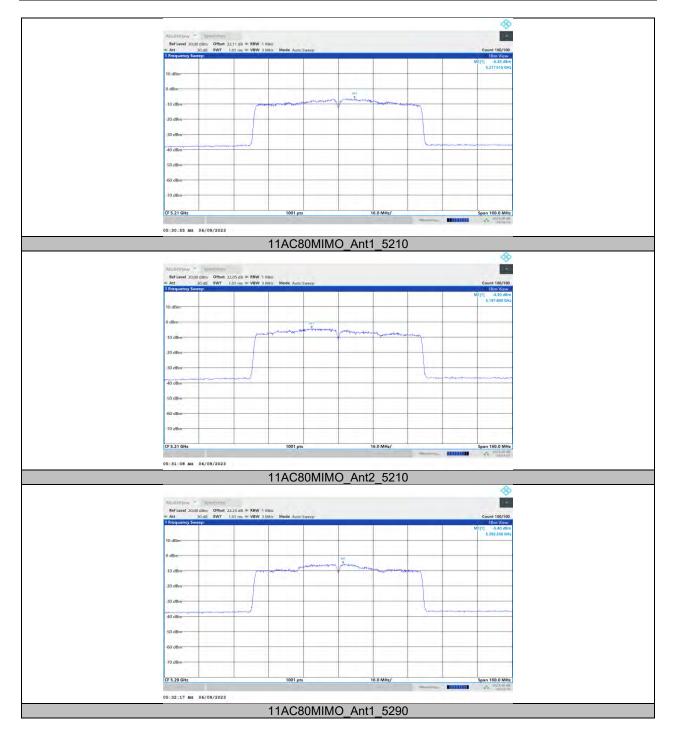




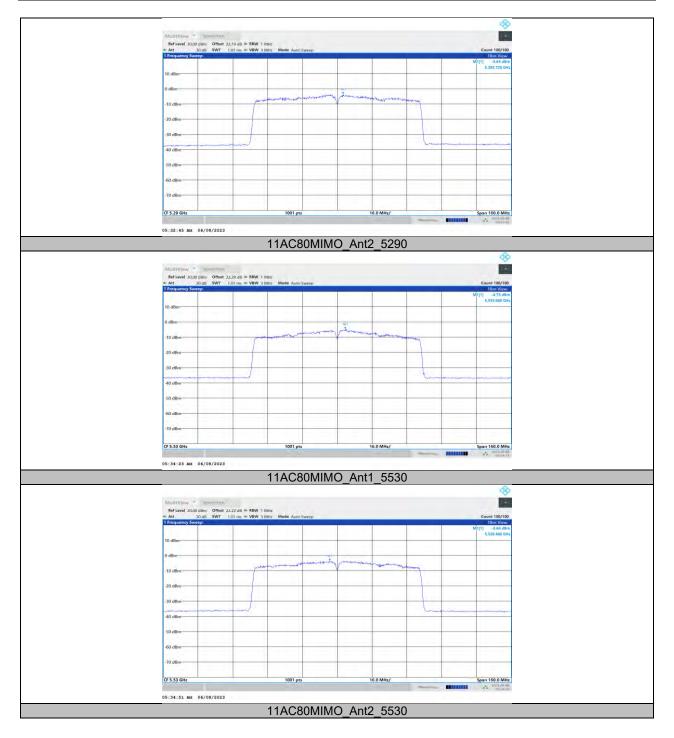




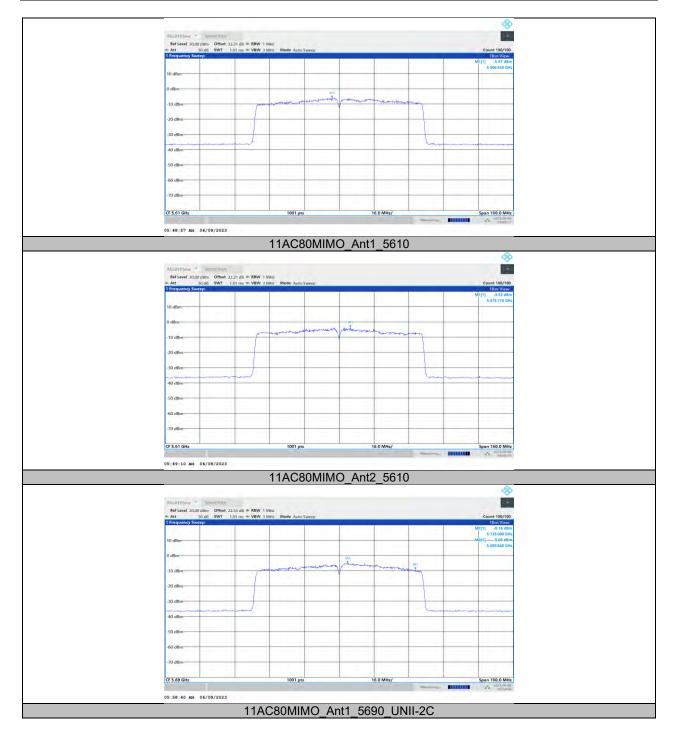




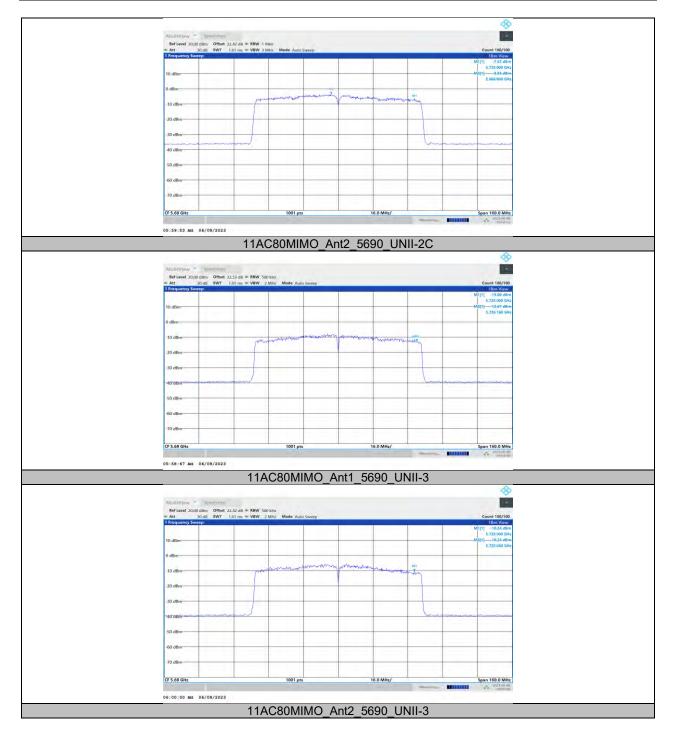




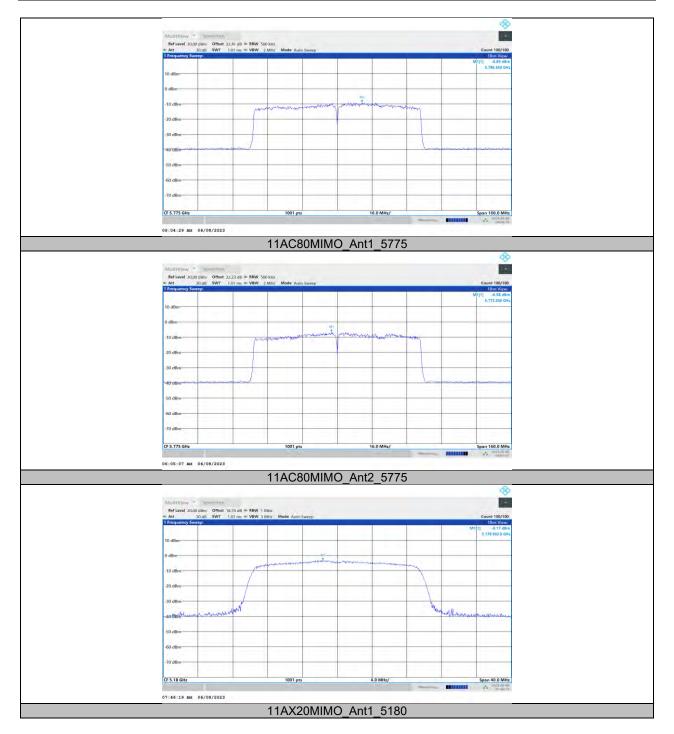




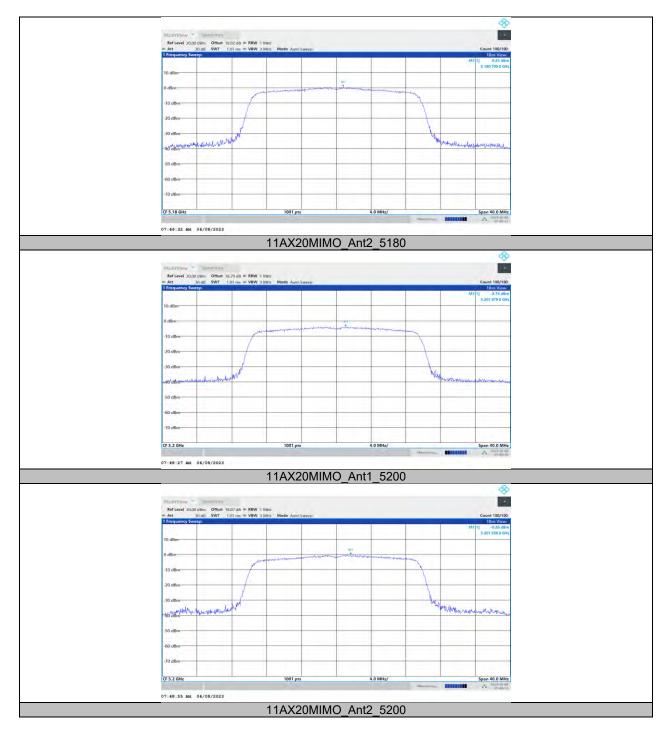








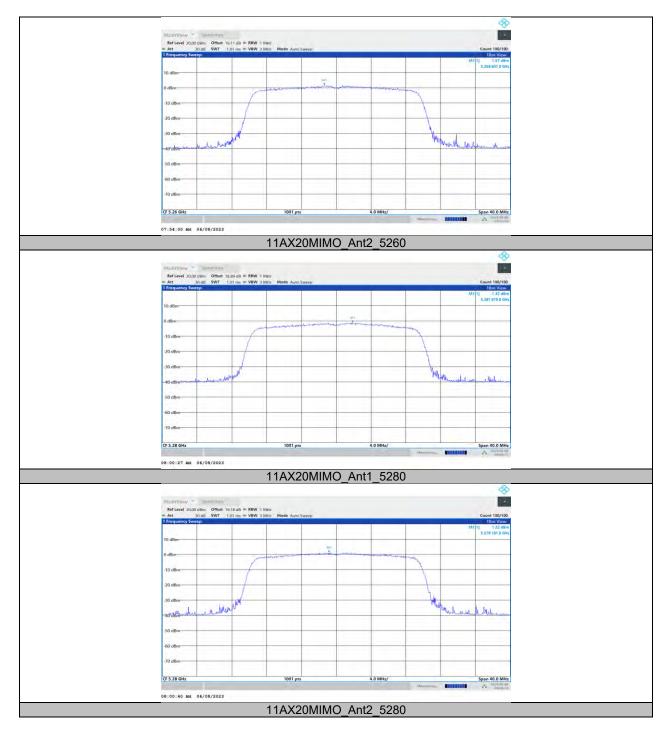




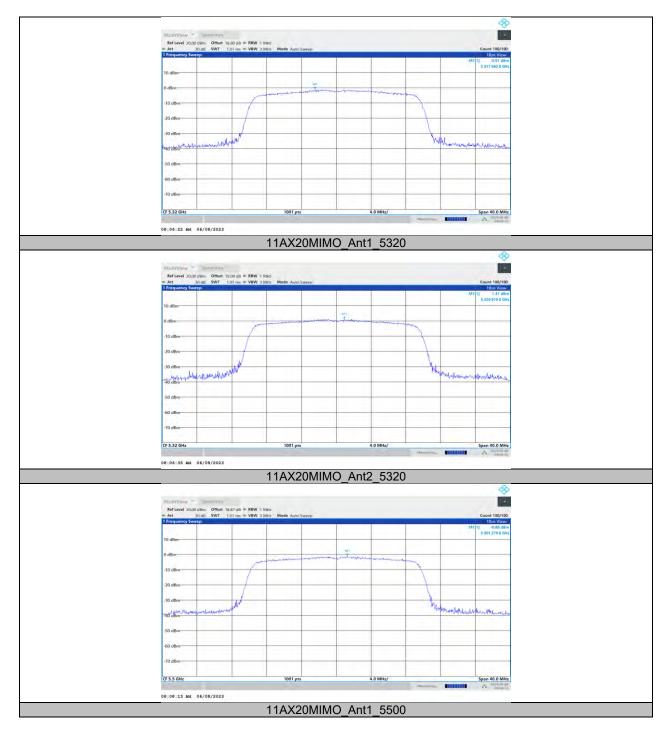




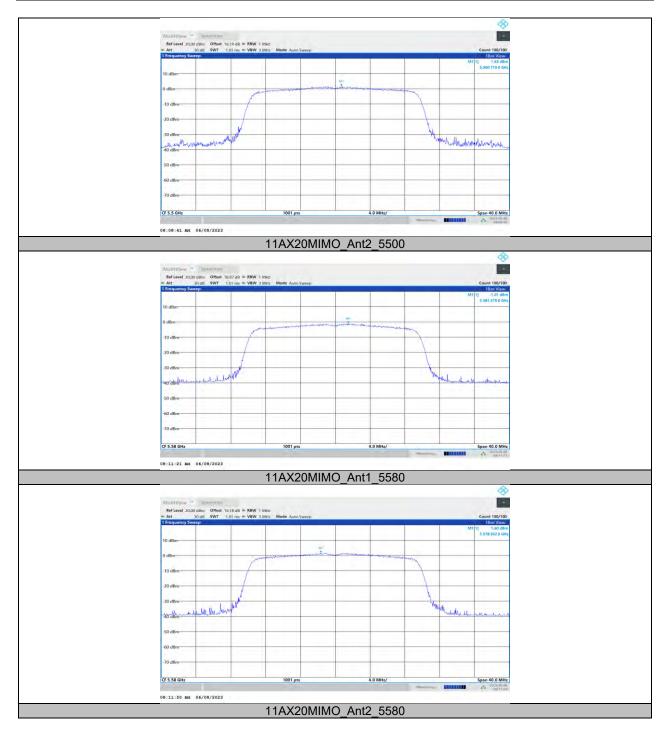




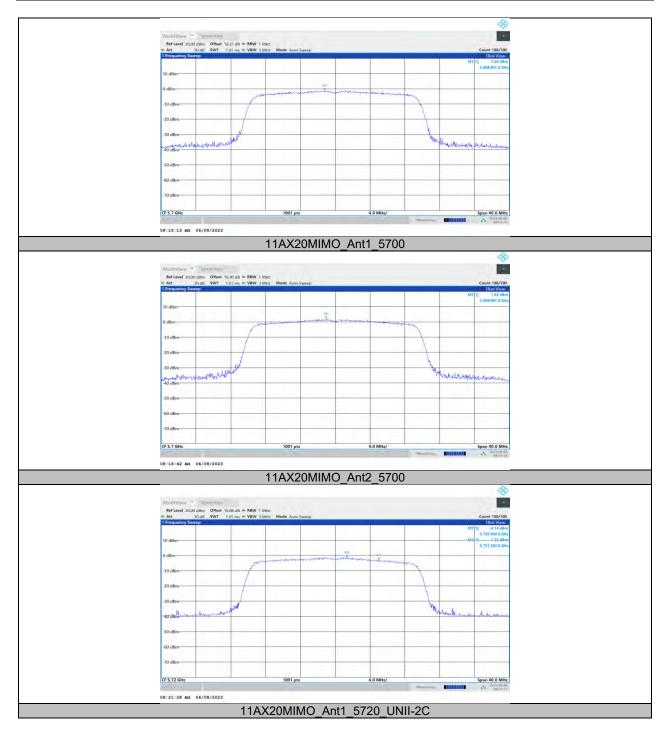




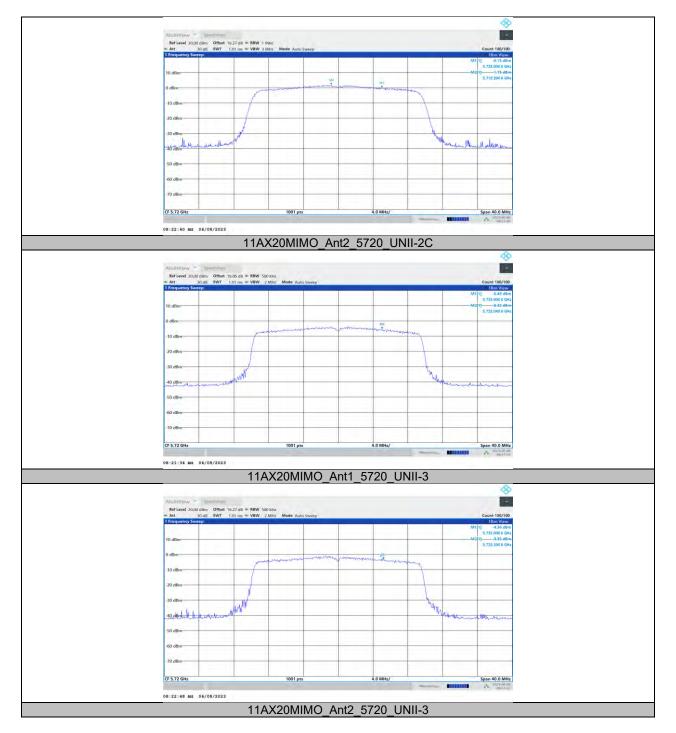




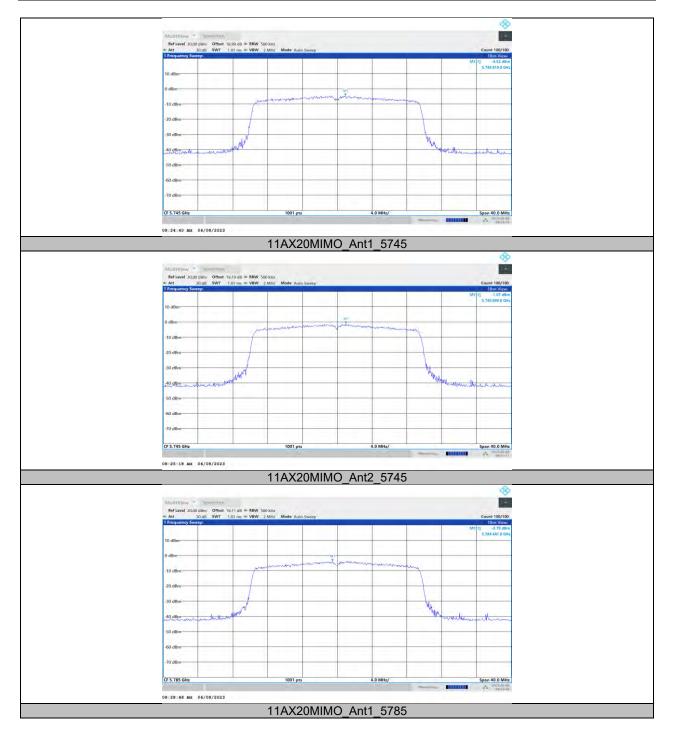




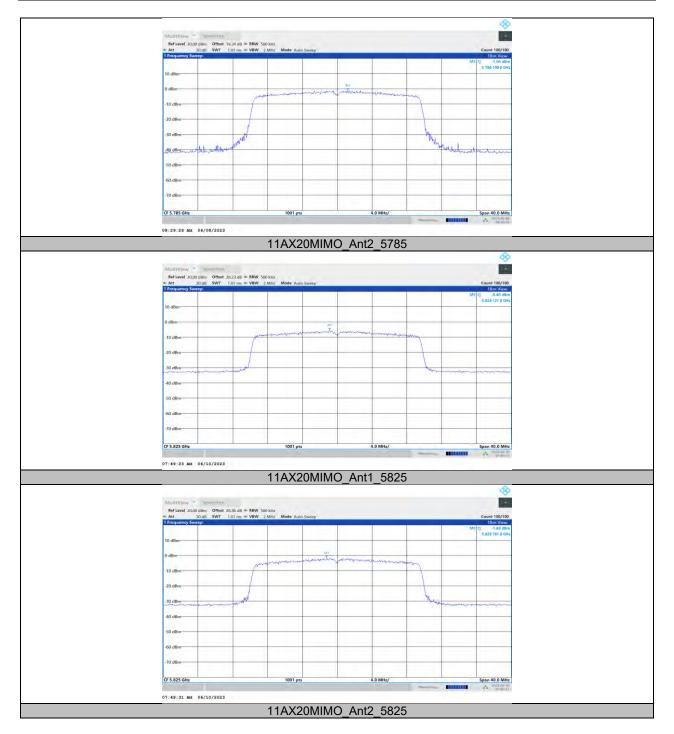
















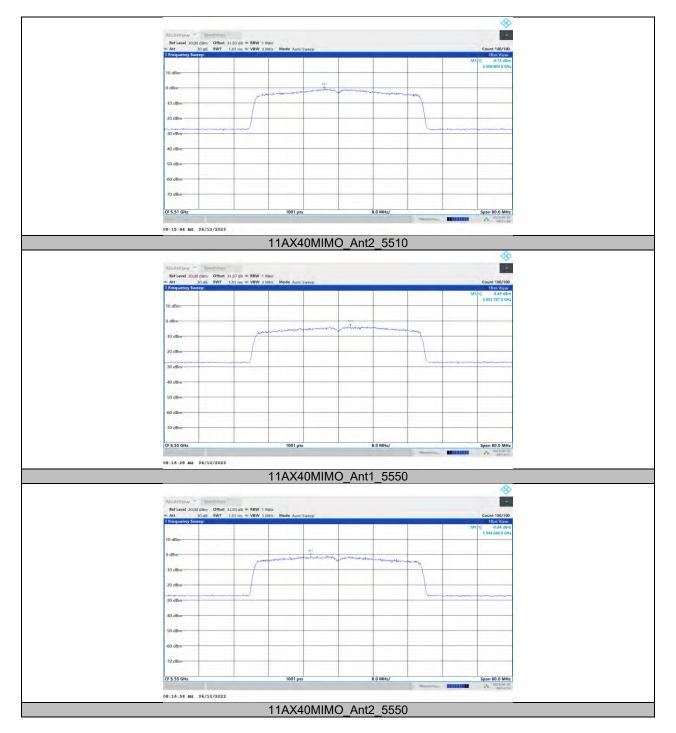












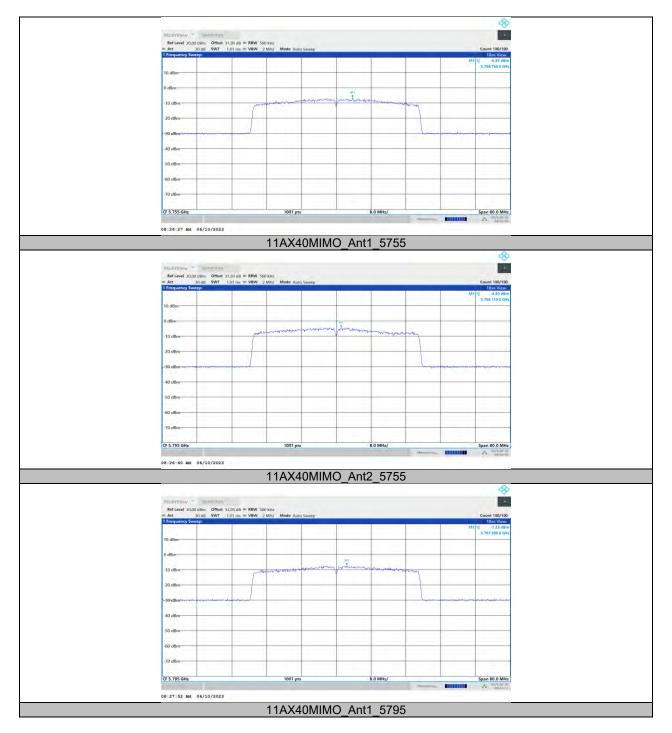




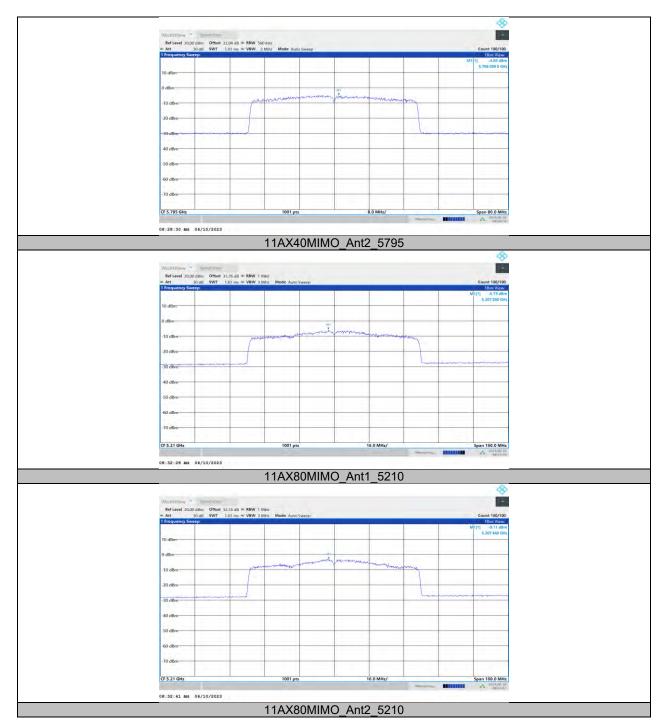












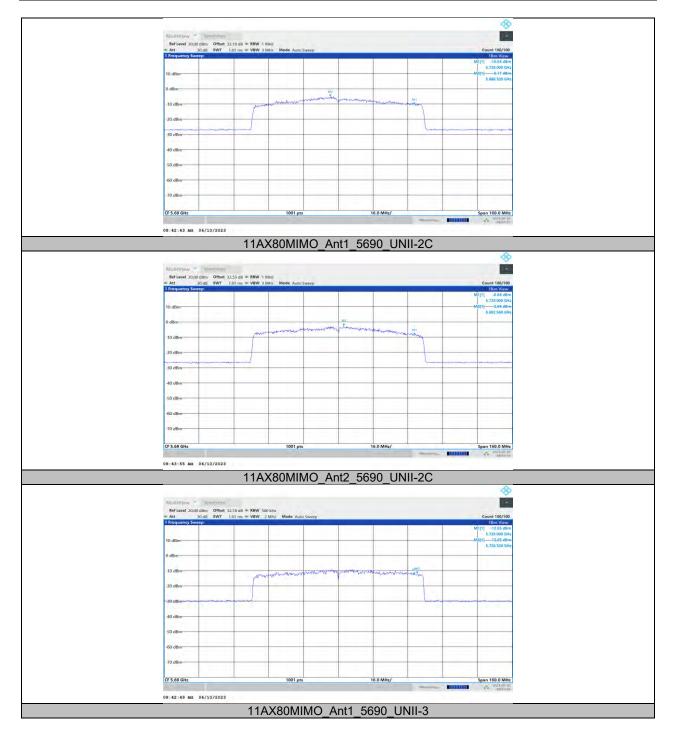
















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11.6. APPENDIX G: FREQUENCY STABILITY 11.6.1. Test Result

	Frequency Error vs. Voltage											
802.11a20:5200MHz												
	., .,	0 Minute		2 Minute		5 Minute		10 Minute				
Temp.	Volt.	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)			
TN	VL	5179.9883	-2.26	5179.9991	-0.17	5179.9841	-3.06	5180.0203	3.91			
TN	VN	5180.0081	1.56	5179.9985	-0.29	5179.9906	-1.82	5180.0155	3.00			
TN	VH	5180.0221	4.27	5179.9752	-4.79	5180.0215	4.15	5180.0165	3.18			
	F											

Frequency Error vs. Temperature

802.11a:5200MHz

_	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
Temp.		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
70	VN	5180.0162	3.13	5179.9867	-2.56	5179.9890	-2.12	5179.9803	-3.81
60	VN	5180.0179	3.46	5179.9872	-2.46	5180.0241	4.66	5179.9983	-0.33
50	VN	5179.9883	-2.26	5179.9990	-0.19	5180.0159	3.06	5180.0114	2.20
40	VN	5179.9927	-1.40	5179.9837	-3.16	5179.9970	-0.58	5180.0029	0.56
30	VN	5179.9900	-1.92	5180.0123	2.37	5179.9884	-2.24	5179.9999	-0.03
20	VN	5180.0049	0.94	5179.9937	-1.22	5180.0239	4.62	5179.9826	-3.36
10	VN	5180.0248	4.80	5179.9762	-4.59	5180.0034	0.66	5180.0071	1.38
0	VN	5179.9834	-3.21	5180.0000	-0.01	5180.0172	3.32	5180.0191	3.68

Note:

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



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Frequency Error vs. Voltage

802.11a:5825MHz

Temp.	V. 16	0 Minute		2 Minute		5 Minute		10 Minute	
	Volt.	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5825.0143	2.46	5825.0100	1.71	5825.0226	3.88	5824.9915	-1.47
TN	VN	5825.0063	1.08	5825.0204	3.50	5824.9886	-1.95	5825.0073	1.26
TN	VH	5825.0161	2.76	5824.9840	-2.74	5824.9886	-1.96	5825.0012	0.20

Frequency Error vs. Temperature

802.11a:5825MHz

_	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
Temp.		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
70	VN	5825.0109	1.88	5824.9844	-2.68	5824.9843	-2.70	5824.9823	-3.05
60	VN	5824.9892	-1.85	5824.9788	-3.63	5824.9830	-2.92	5825.0182	3.13
50	VN	5824.9779	-3.80	5824.9812	-3.24	5825.0067	1.15	5825.0069	1.19
40	VN	5824.9980	-0.34	5824.9940	-1.04	5825.0156	2.68	5824.9754	-4.23
30	VN	5824.9993	-0.12	5825.0150	2.57	5825.0079	1.35	5825.0005	0.09
20	VN	5825.0029	0.50	5825.0061	1.04	5825.0141	2.42	5825.0053	0.91
10	VN	5824.9925	-1.29	5825.0040	0.69	5825.0012	0.20	5825.0122	2.09
0	VN	5825.0234	4.02	5825.0194	3.34	5824.9904	-1.65	5824.9946	-0.92

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.

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11.7. APPENDIX H: 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	0.71	1.31	0.5420	54.20	2.66	1.41	2
11N20MIMO	0.67	1.28	0.5234	52.34	2.81	1.49	2
11N40MIMO	0.65	1.25	0.5200	52.00	2.84	1.54	2
11AC80MIMO	0.18	0.8	0.2250	22.50	6.48	5.56	6
11AX20MIMO	0.56	1.16	0.4828	48.28	3.16	1.79	2
11AX40MIMO	0.2	0.81	0.2469	24.69	6.07	5.00	6
11AX80MIMO	0.2	0.82	0.2439	24.39	6.13	5.00	6

Note:

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

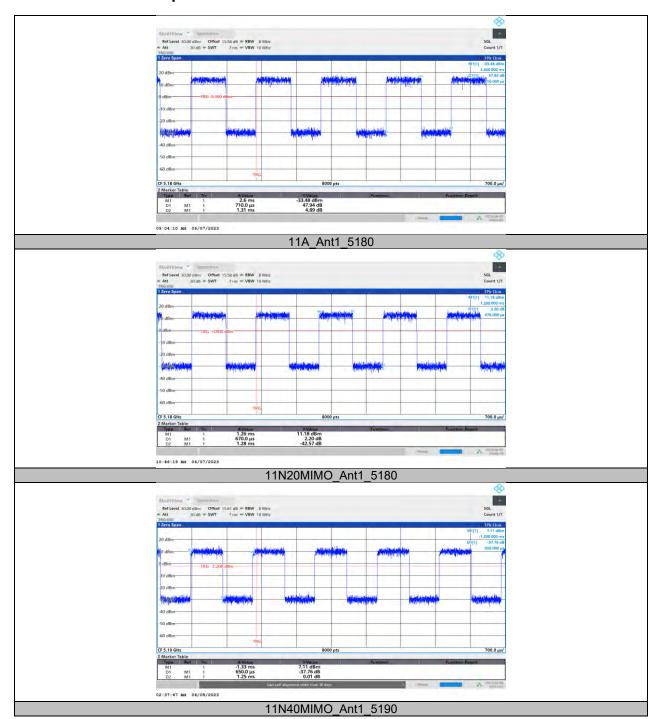
Where: x is Duty Cycle (Linear)

Where: T is On Time

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



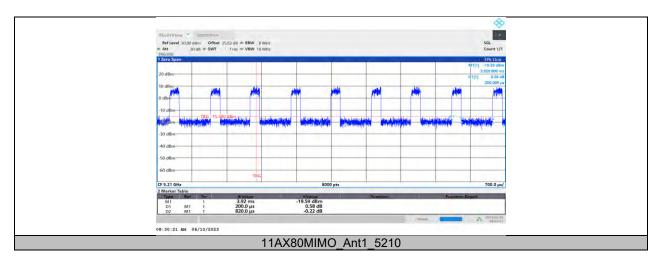
11.7.2. Test Graphs













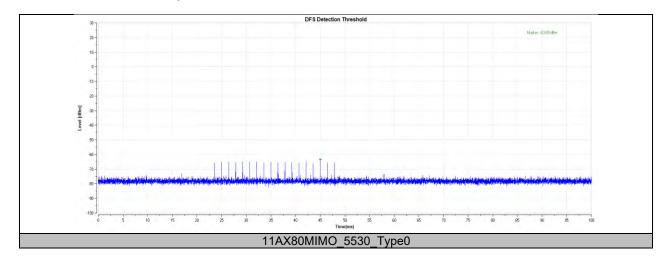
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11.8. APPENDIX I: DFS DETECTION THRESHOLDS 11.8.1. Test Result

Test	t Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AX8	OMIM08	5530	Type0	-63.89	-57.51	PASS



11.8.2. Test Graphs



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

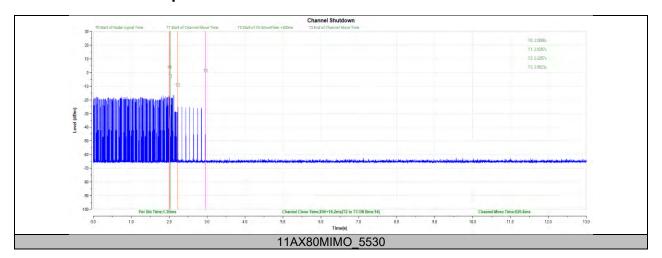
11.9.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX80MIMO	5530	200+18.2	200+60	926.6	10000	PASS

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



11.9.2. Test Graphs





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11.10. APPENDIX K: NON-OCCUPANCY PERIOD

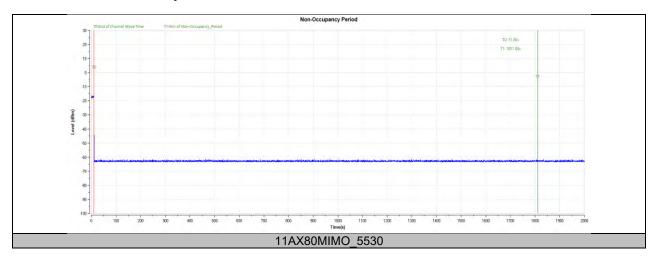
Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AX80MIMO	5530	see test graph	≥1800	PASS

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



11.10.1. Test Graphs



END OF REPORT