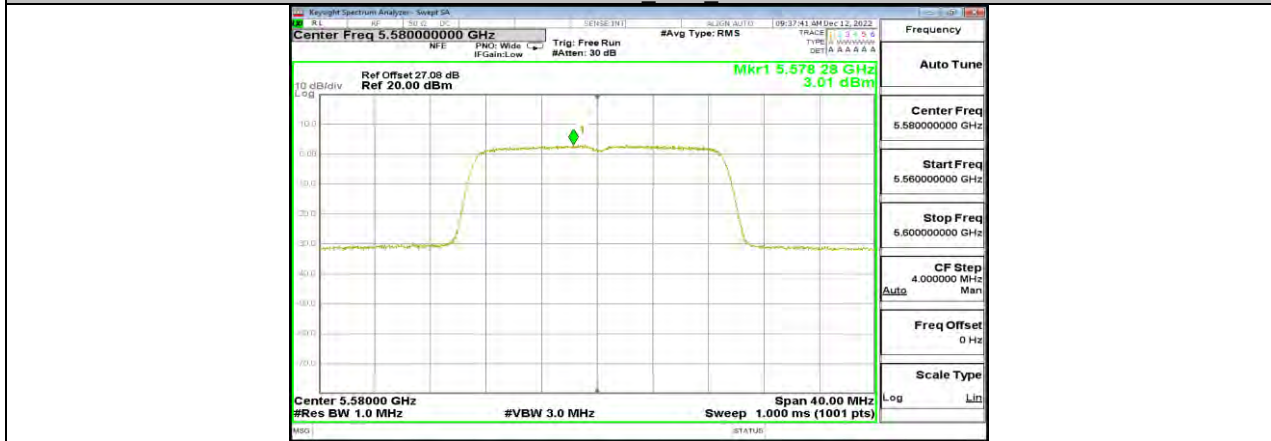
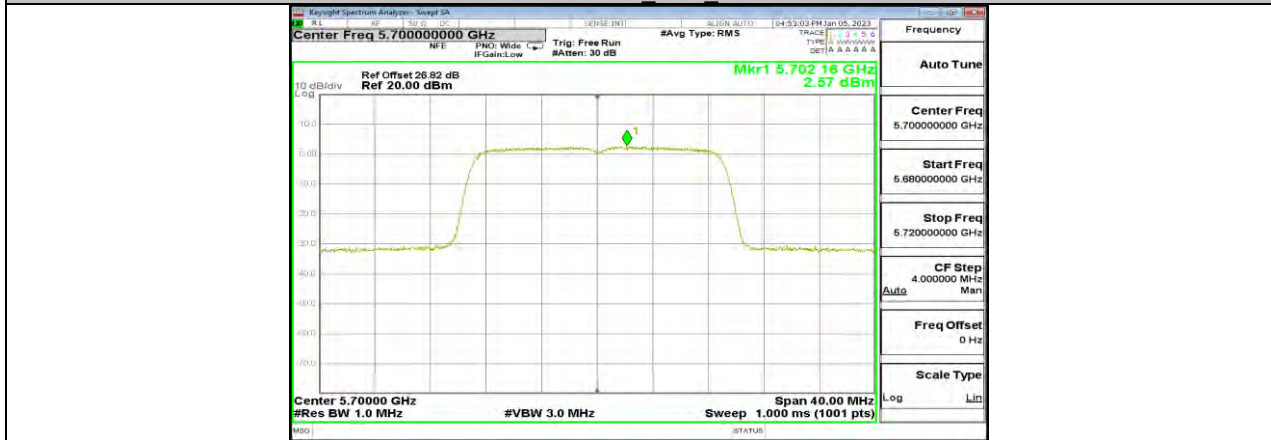


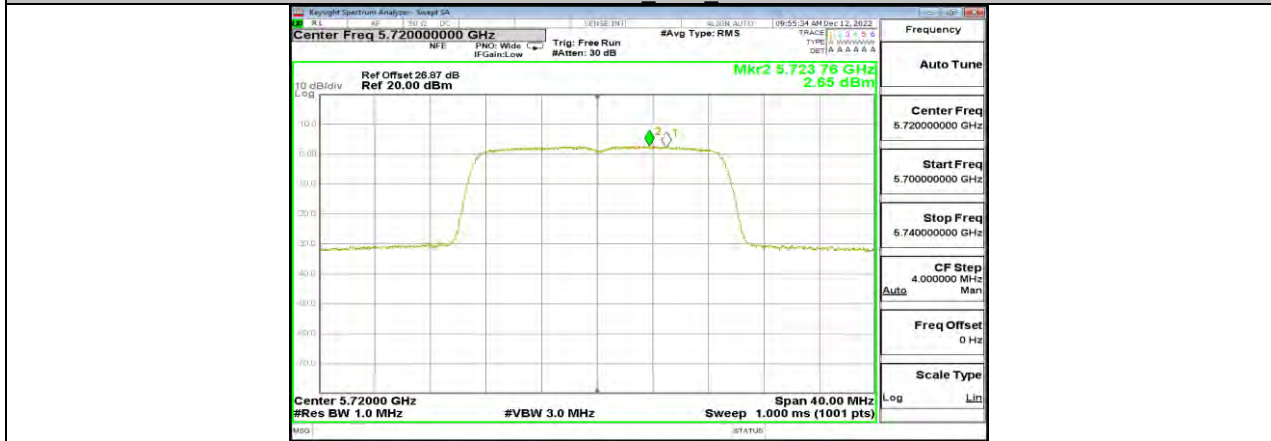
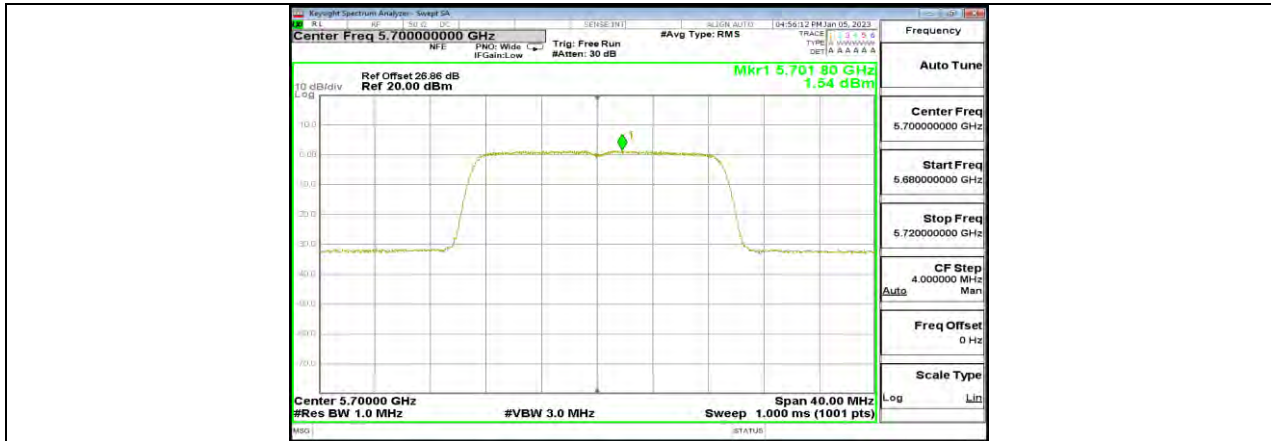
11N20MIMO Ant1 5580



11N20MIMO Ant2 5580

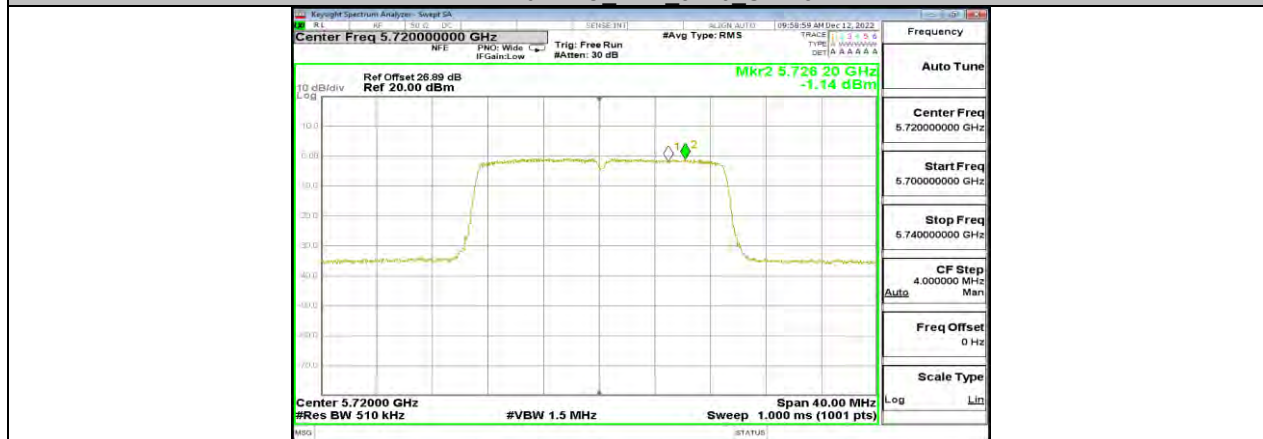


11N20MIMO Ant1 5700

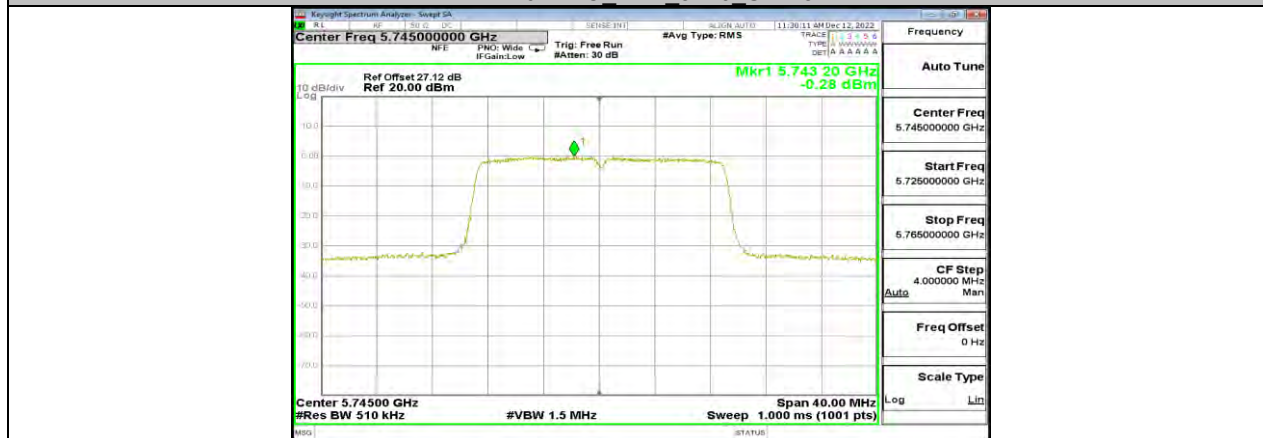




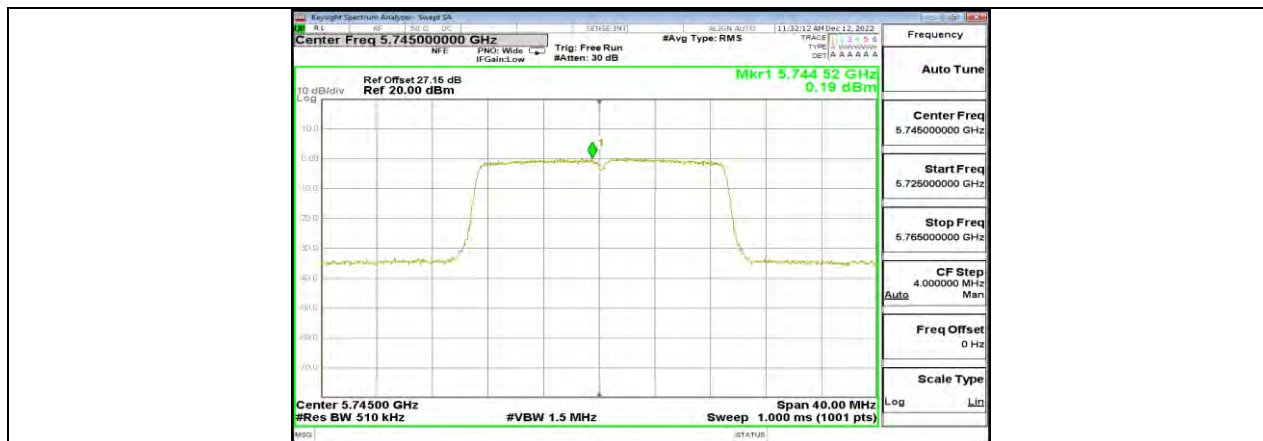
11N20MIMO Ant1 5720 UNII-3



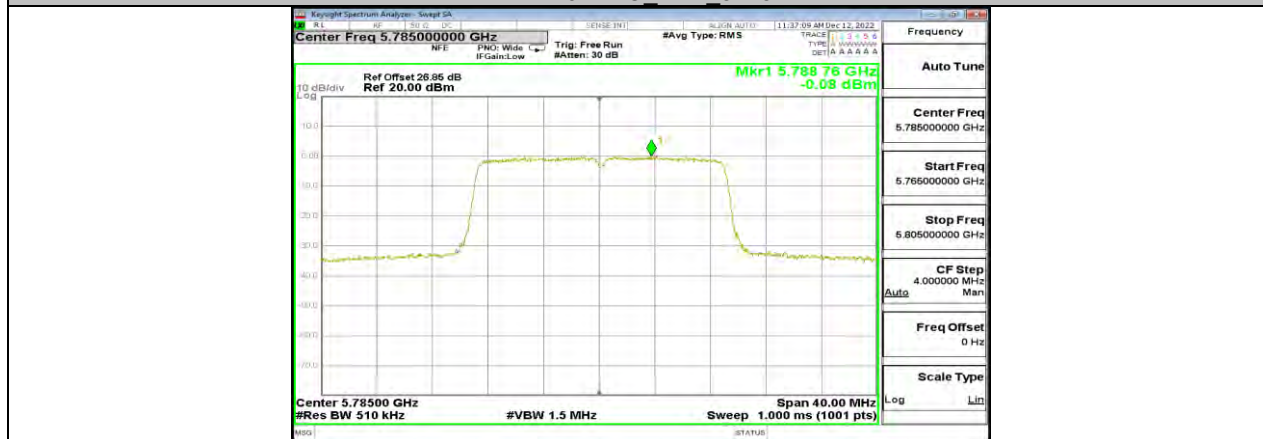
11N20MIMO Ant2 5720 UNII-3



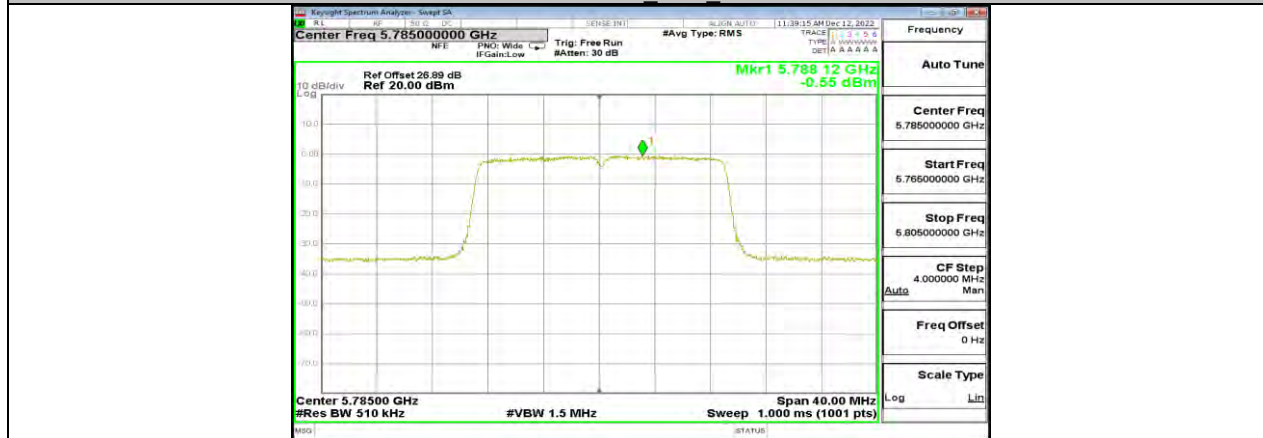
11N20MIMO Ant1 5745



11N20MIMO Ant2 5745



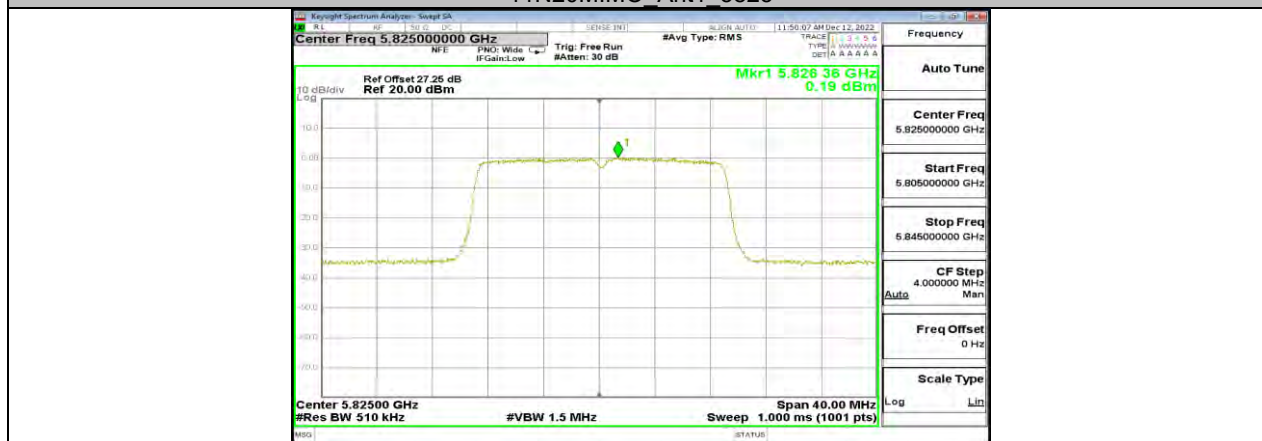
11N20MIMO Ant1 5785



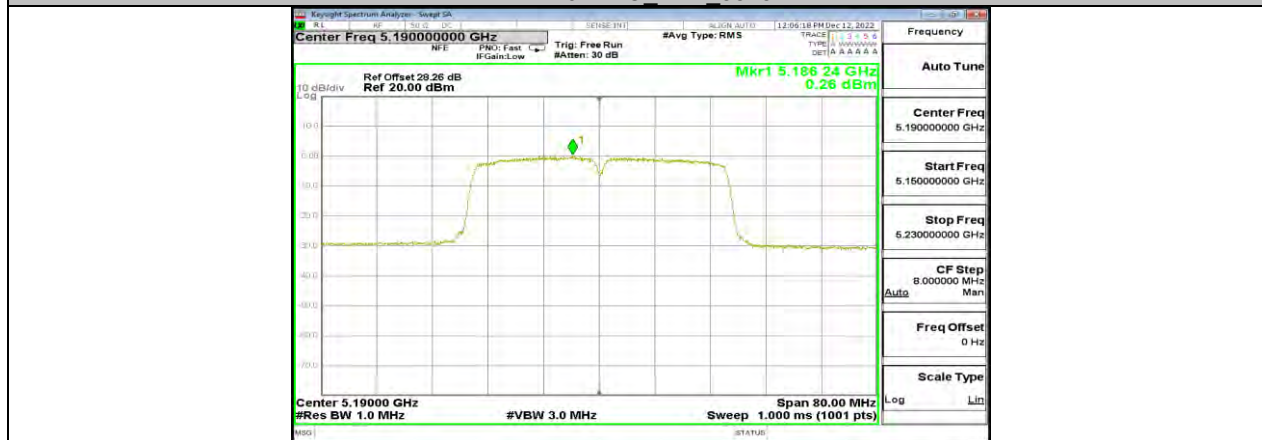
11N20MIMO Ant2 5785



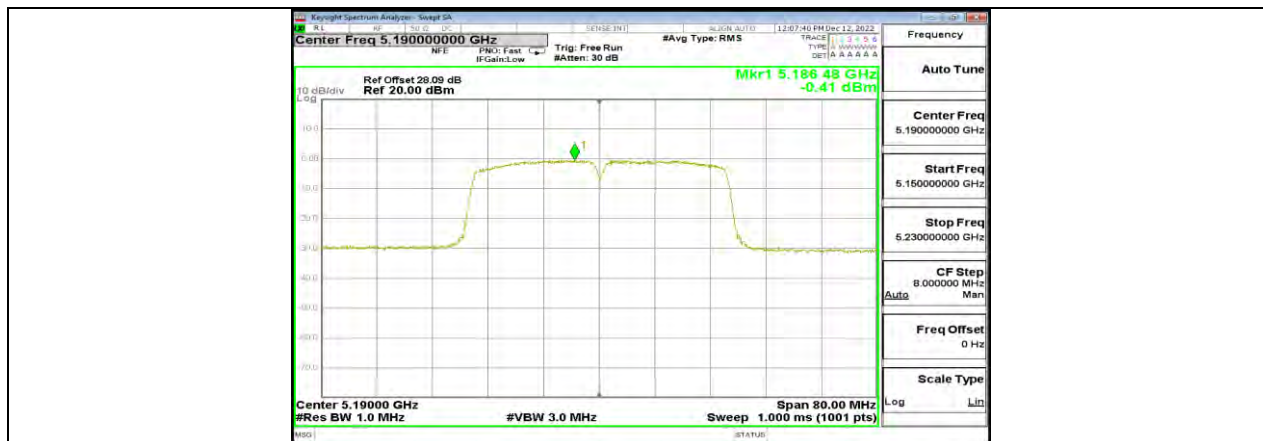
11N20MIMO Ant1 5825



11N20MIMO Ant2 5825



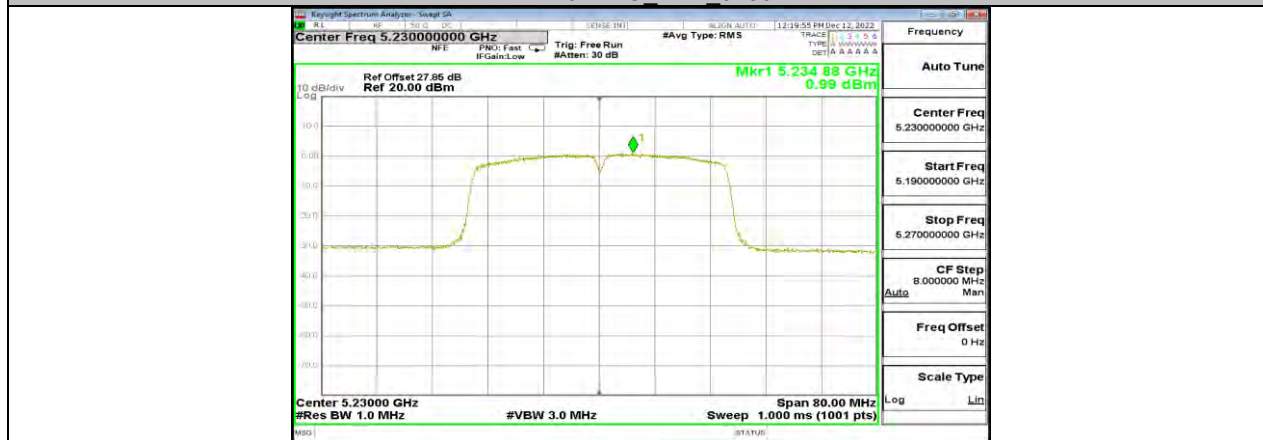
11N40MIMO Ant1 5190



11N40MIMO Ant2 5190



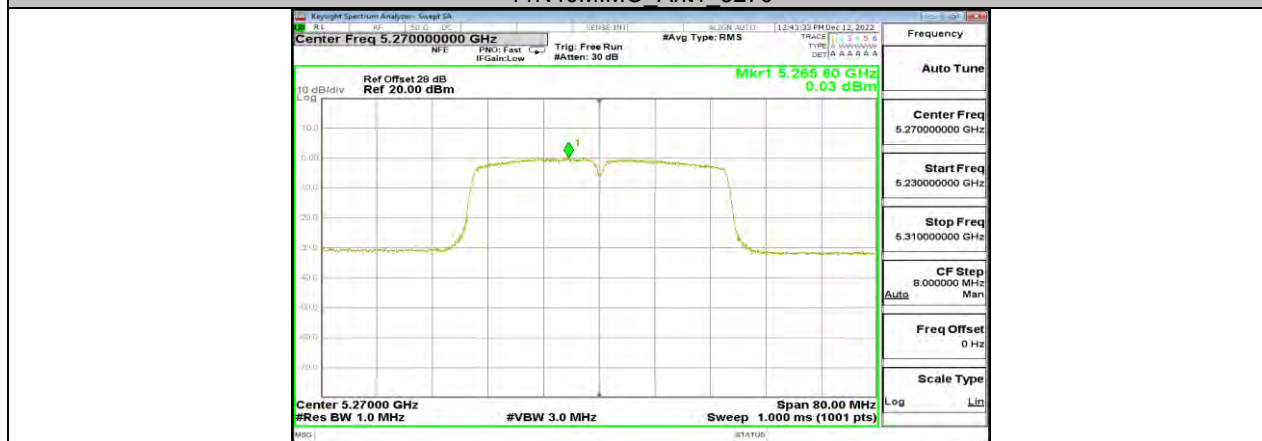
11N40MIMO Ant1 5230



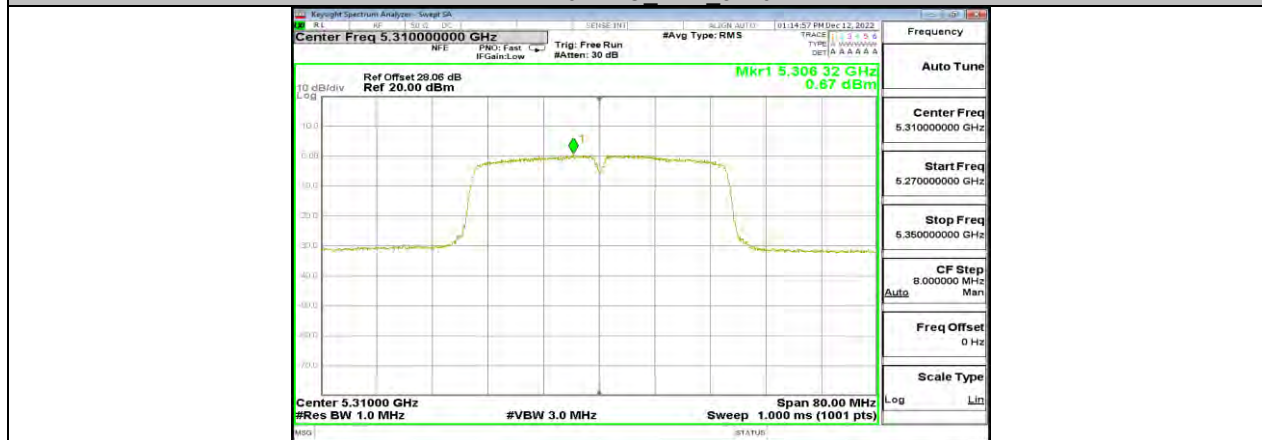
11N40MIMO Ant2 5230



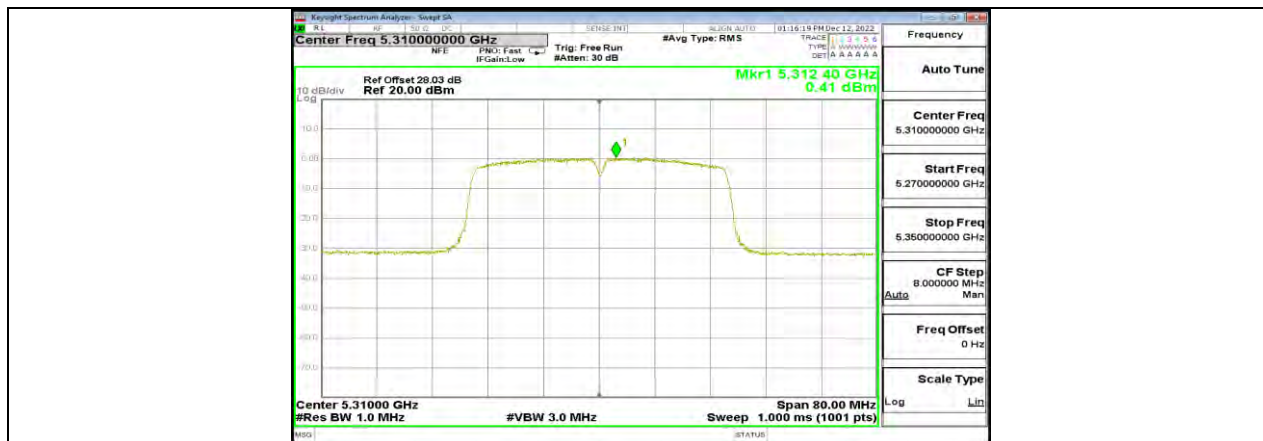
11N40MIMO Ant1 5270



11N40MIMO Ant2 5270



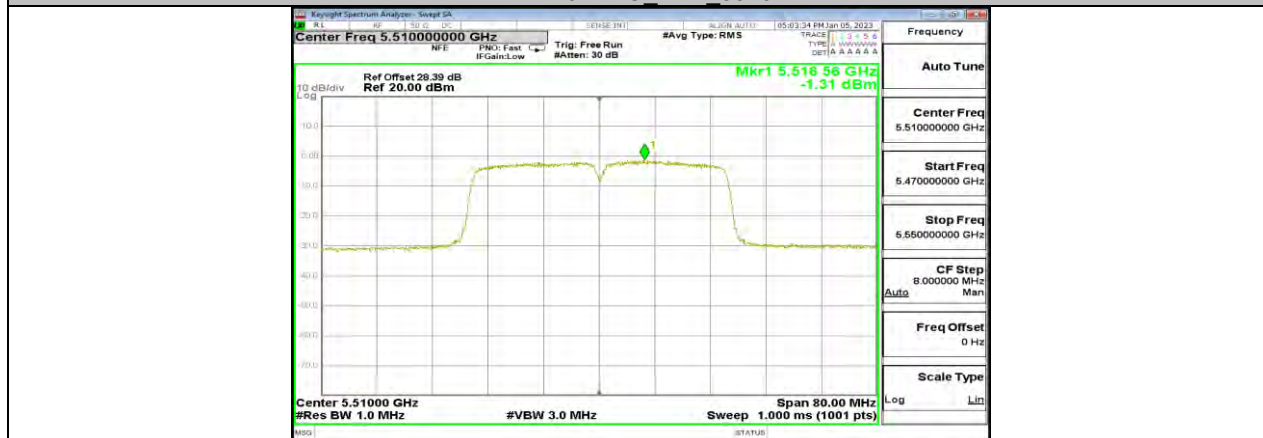
11N40MIMO Ant1 5310



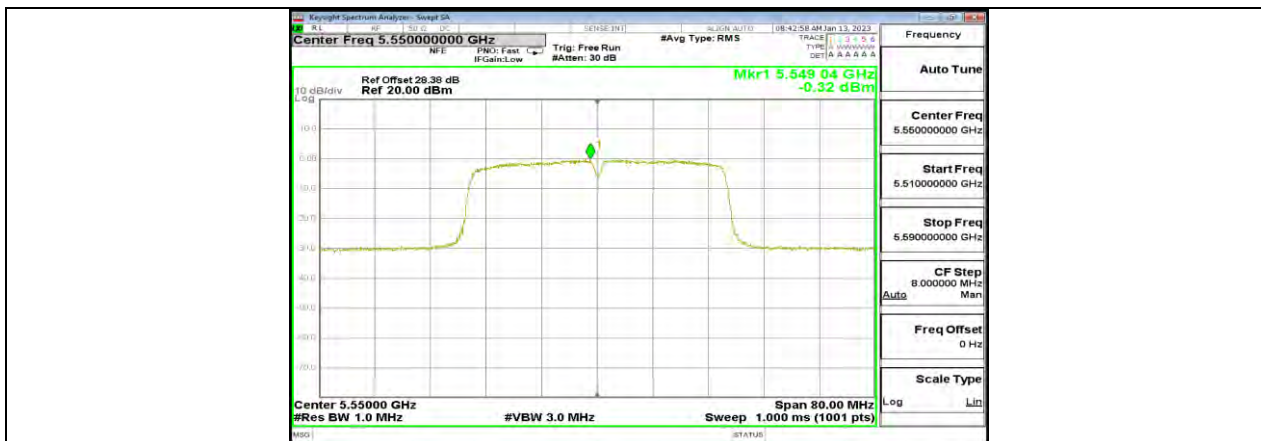
11N40MIMO Ant2 5310



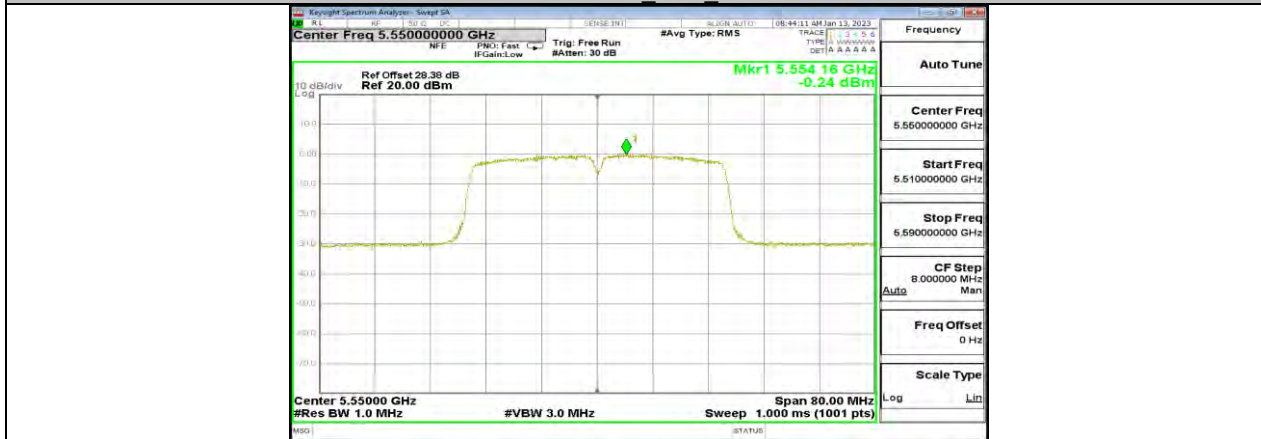
11N40MIMO Ant1 5510



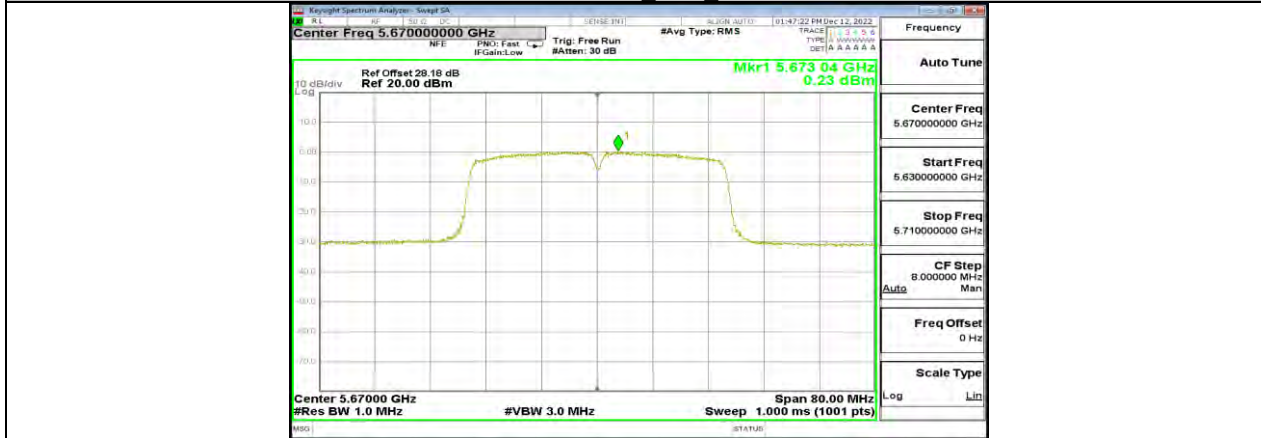
11N40MIMO Ant2 5510



11N40MIMO Ant1 5550



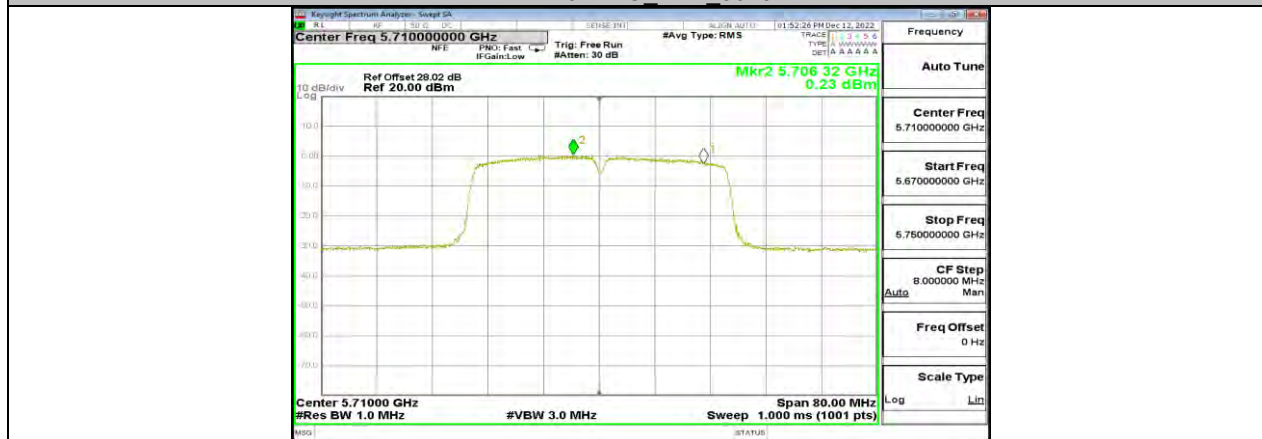
11N40MIMO Ant2 5550



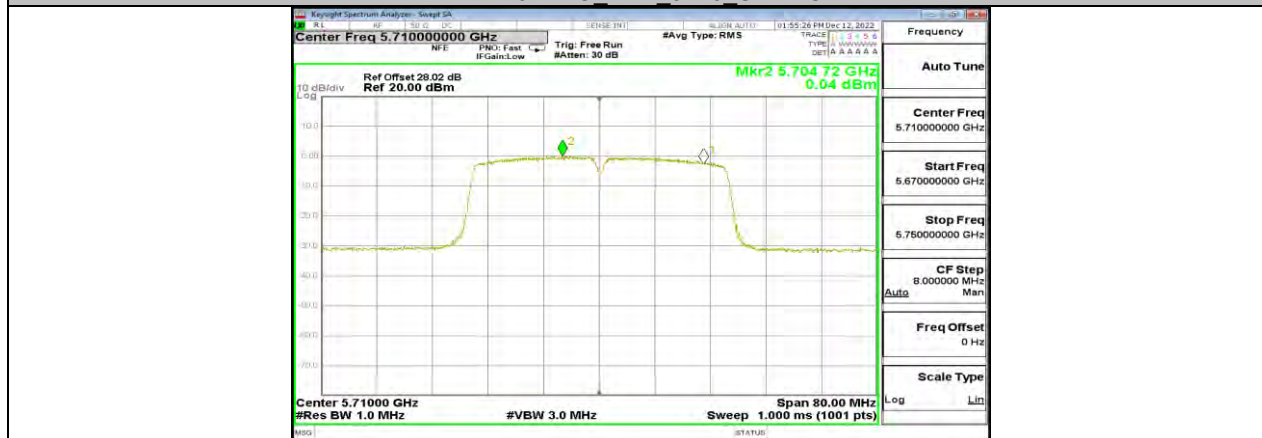
11N40MIMO Ant1 5670



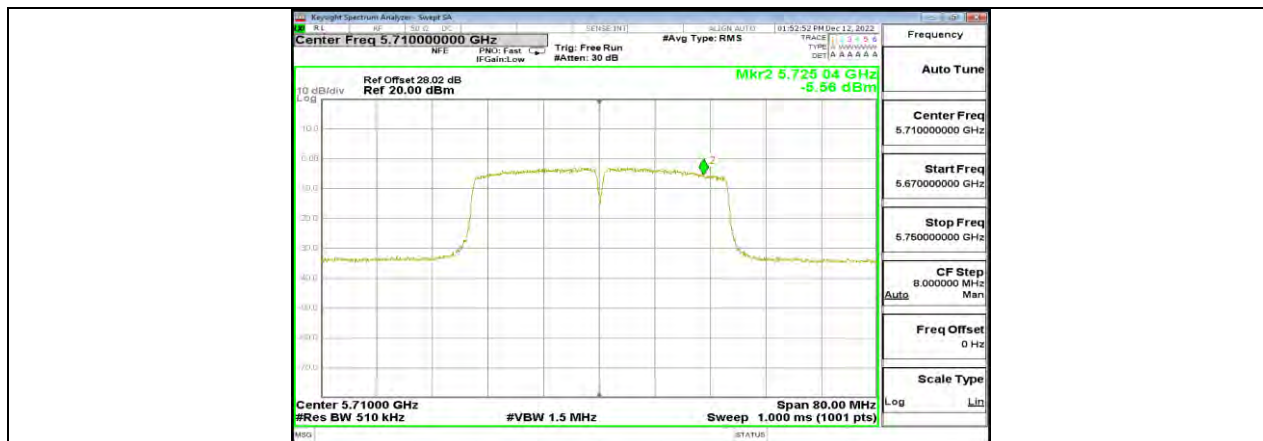
11N40MIMO Ant2 5670



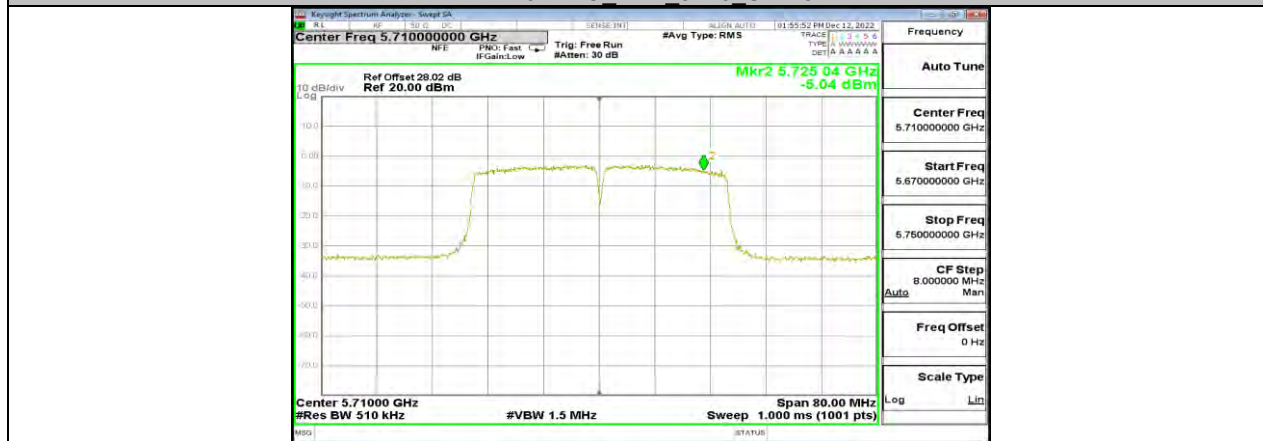
11N40MIMO Ant1 5710 UNII-2C



11N40MIMO Ant2 5710 UNII-2C



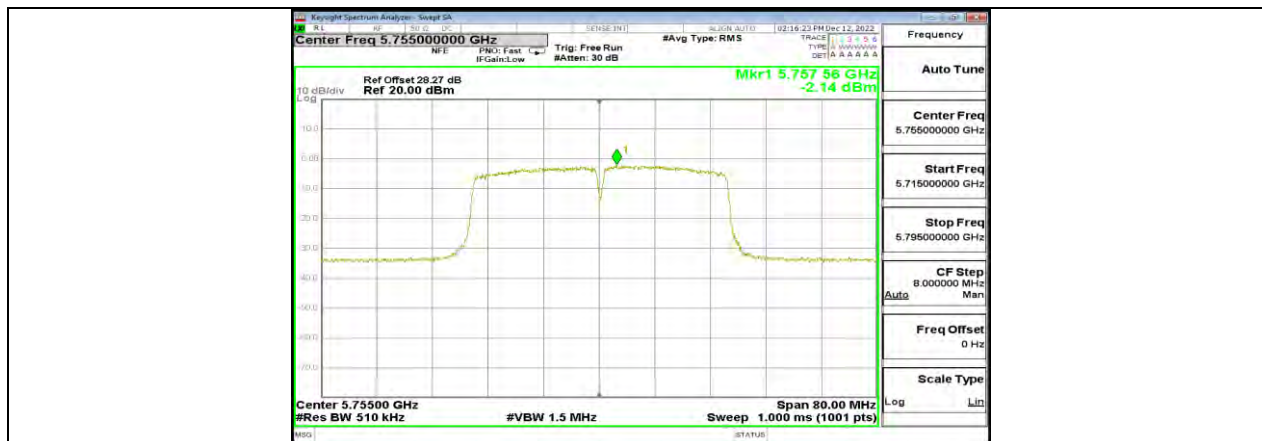
11N40MIMO Ant1 5710 UNII-3



11N40MIMO Ant2 5710 UNII-3



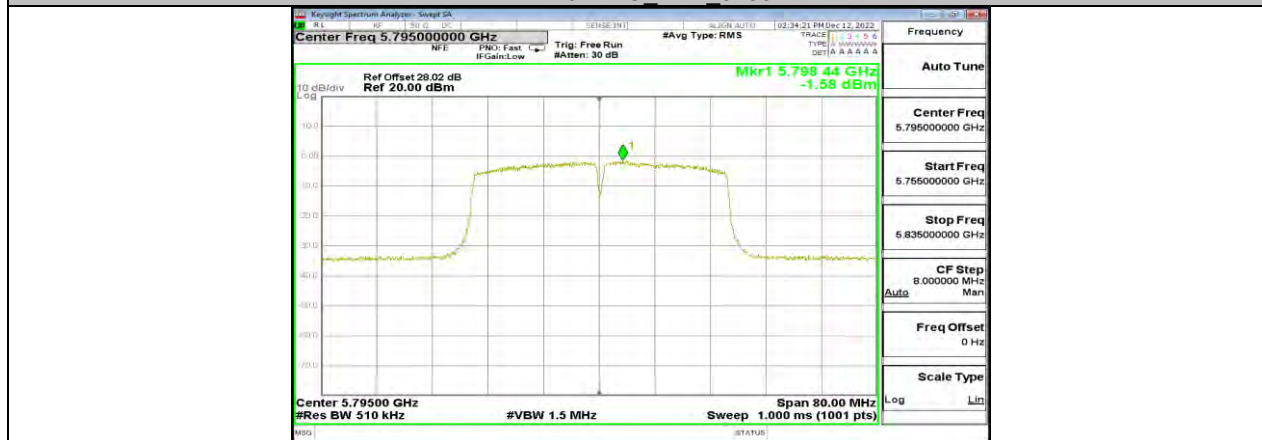
11N40MIMO Ant1 5755



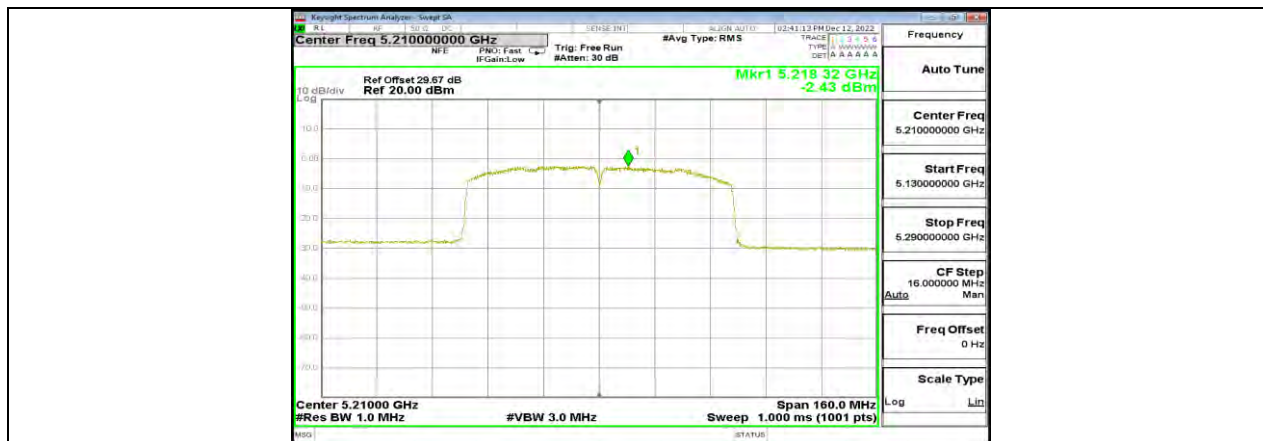
11N40MIMO Ant2 5755



11N40MIMO Ant1 5795



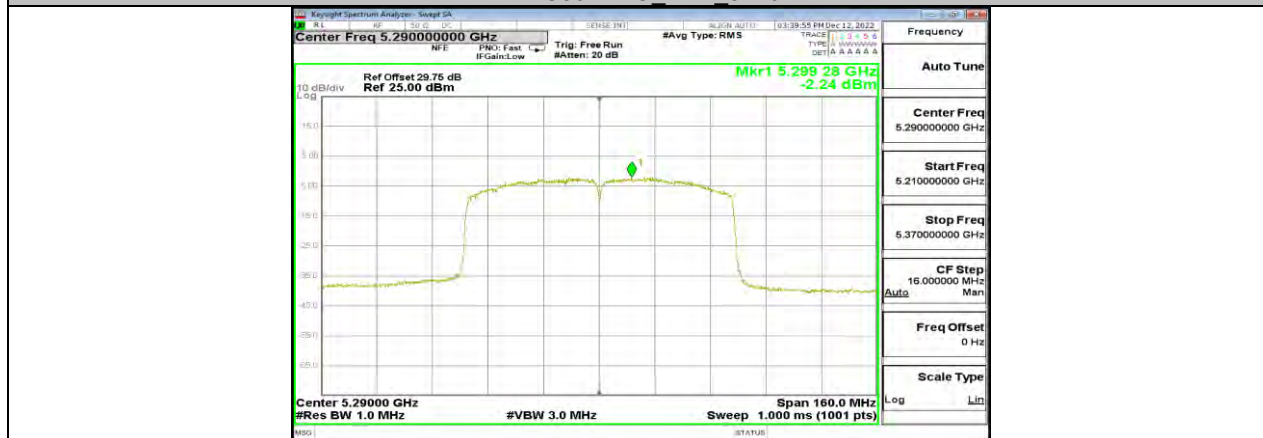
11N40MIMO Ant2 5795



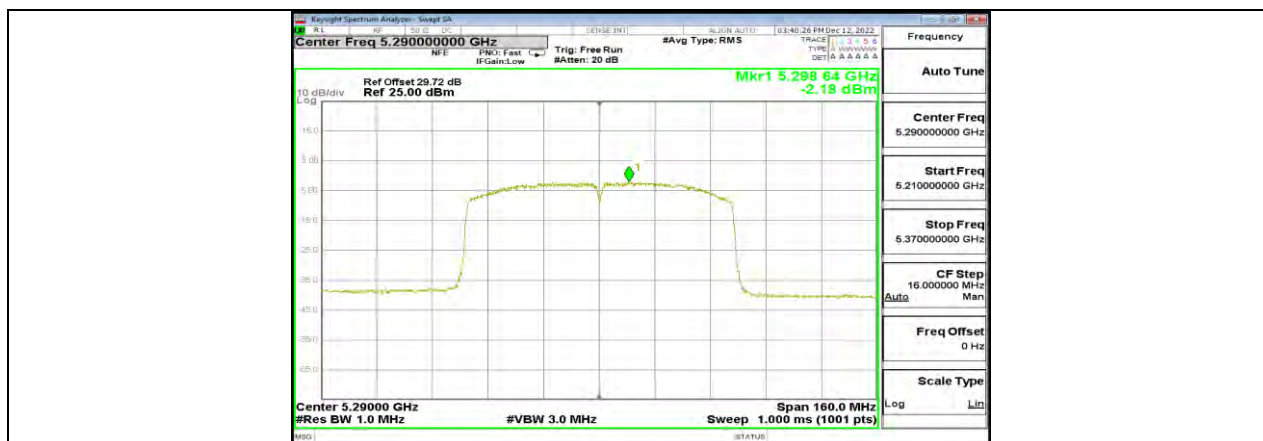
11AC80MIMO Ant1 5210



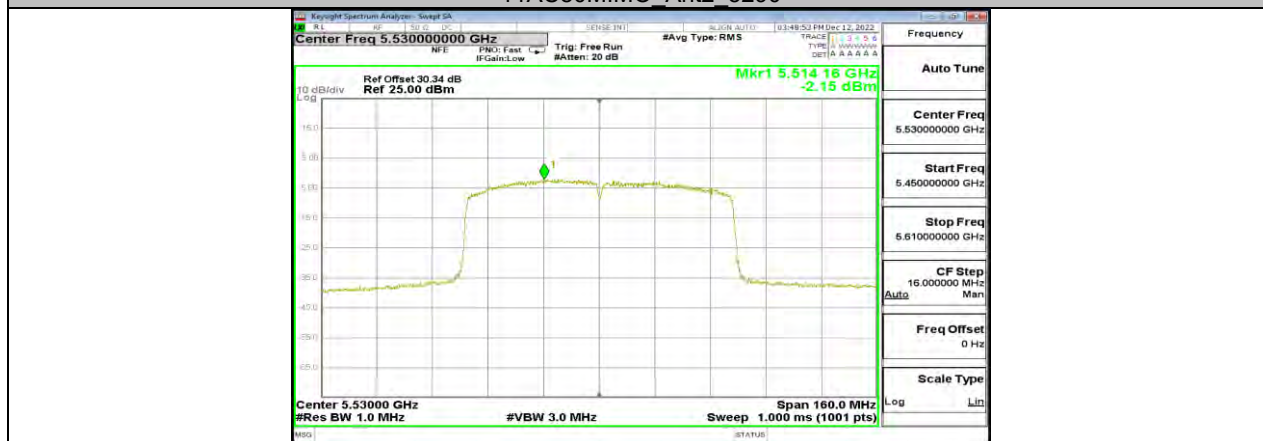
11AC80MIMO Ant2 5210



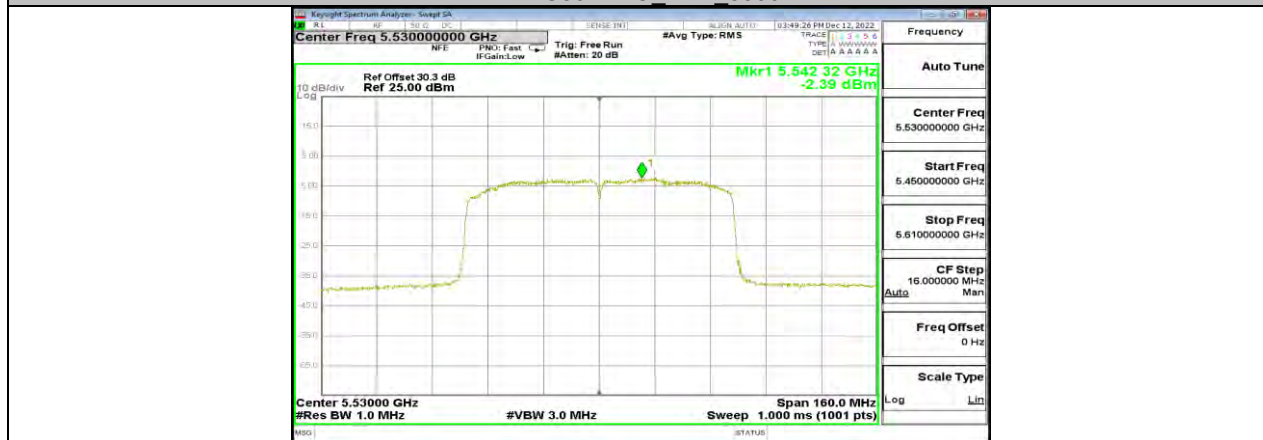
11AC80MIMO Ant1 5290



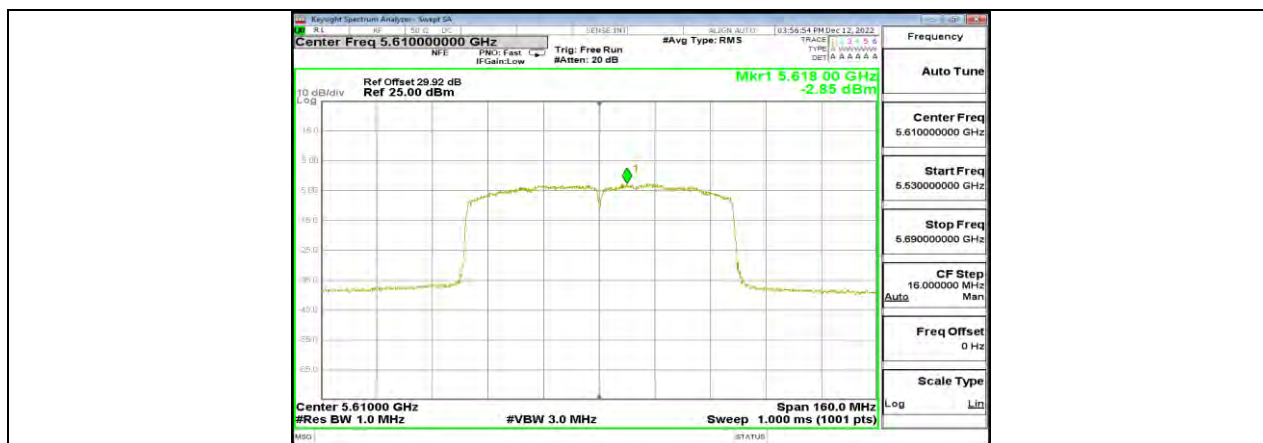
11AC80MIMO Ant2 5290



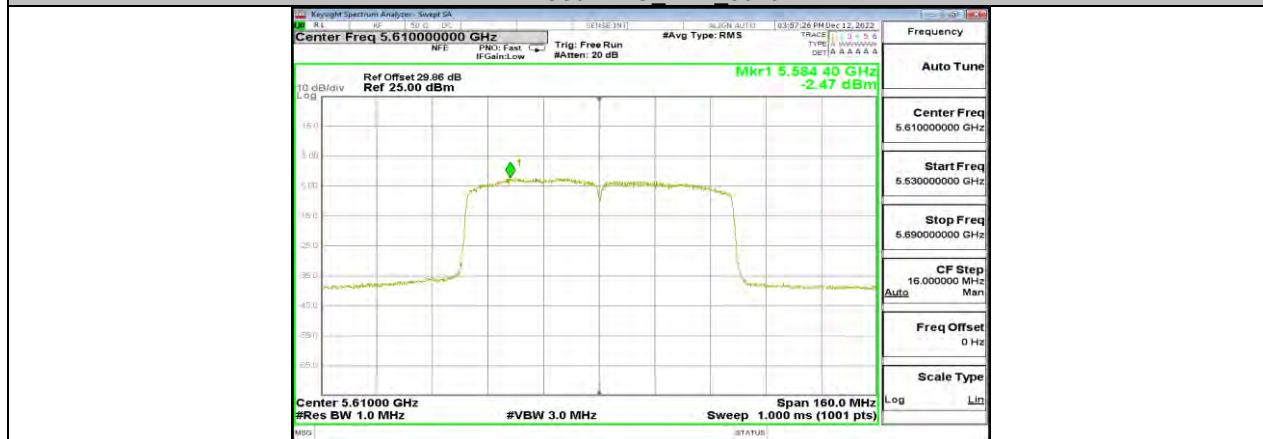
11AC80MIMO Ant1 5530



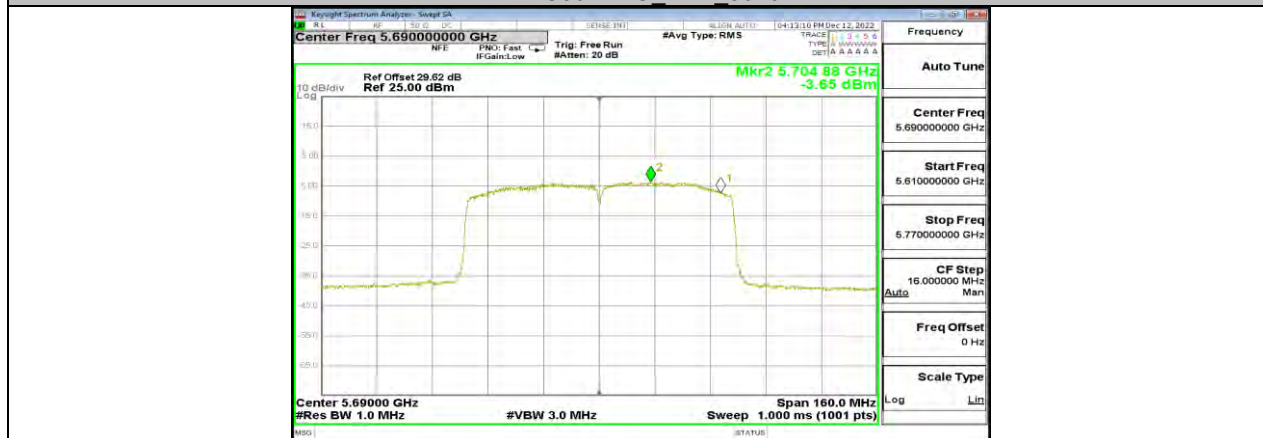
11AC80MIMO Ant2 5530



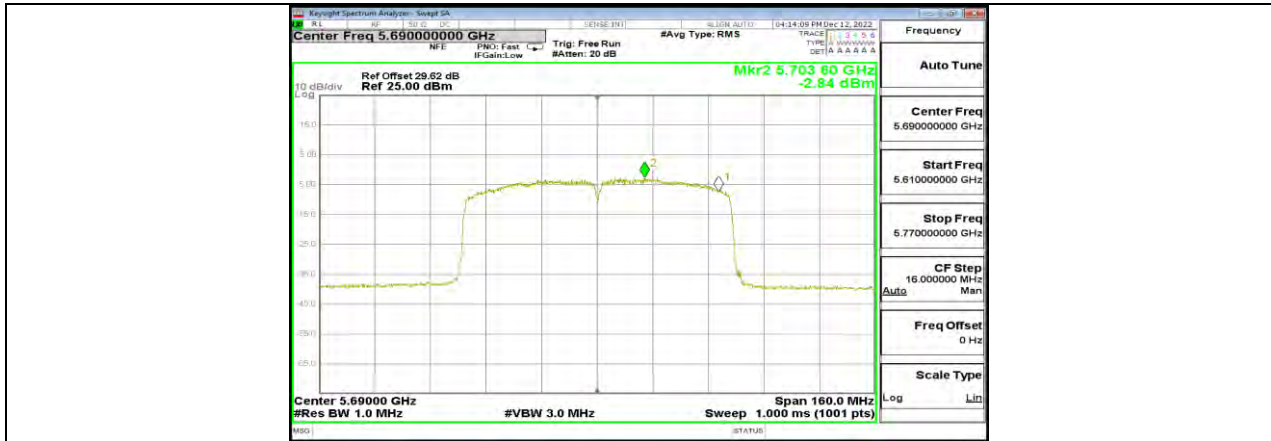
11AC80MIMO Ant1_5610



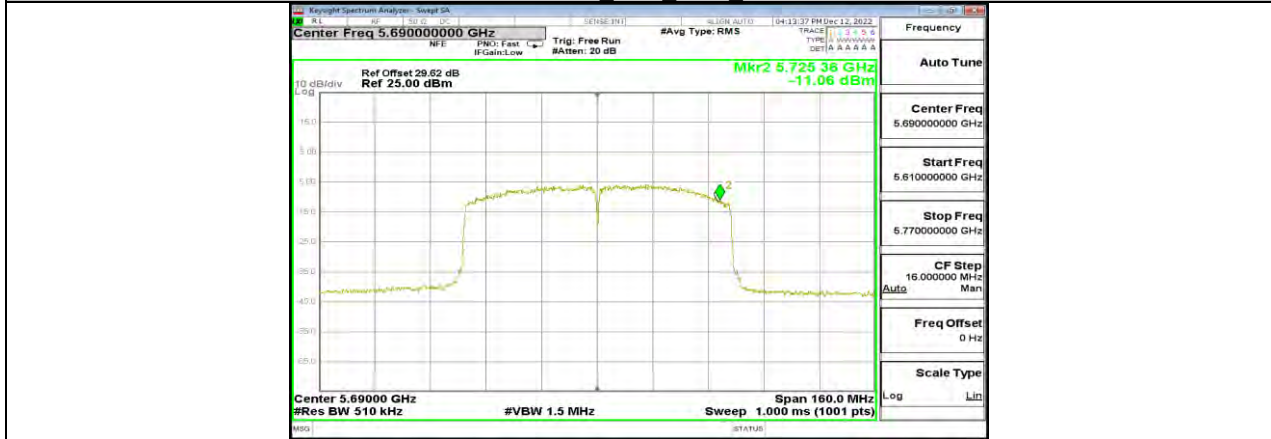
11AC80MIMO Ant2_5610



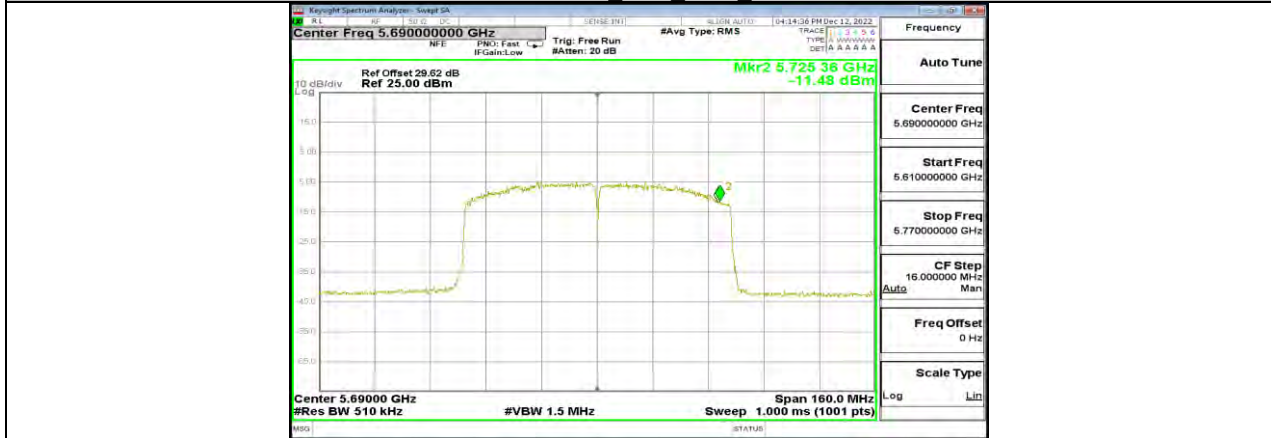
11AC80MIMO Ant1_5690_UNII-2C



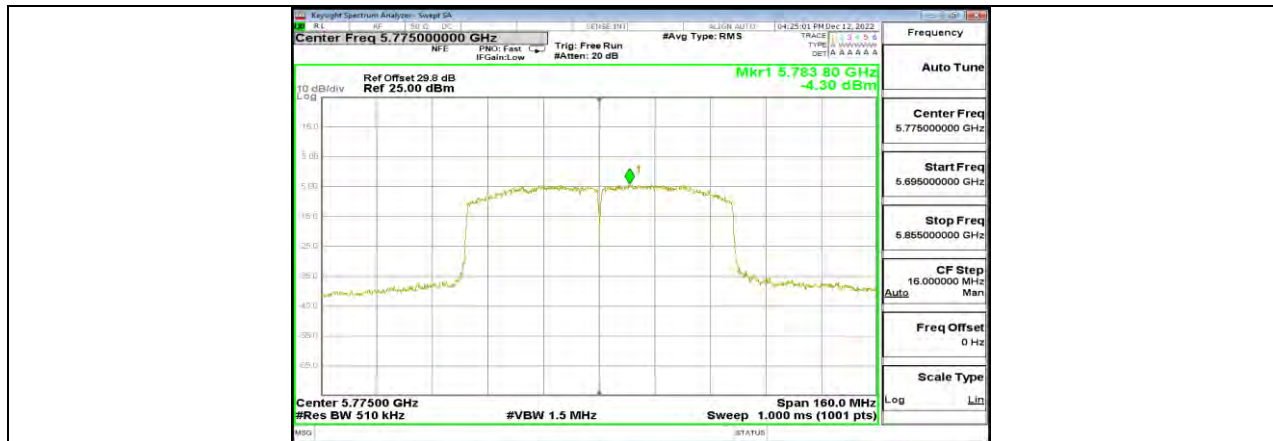
11AC80MIMO Ant2 5690 UNII-2C



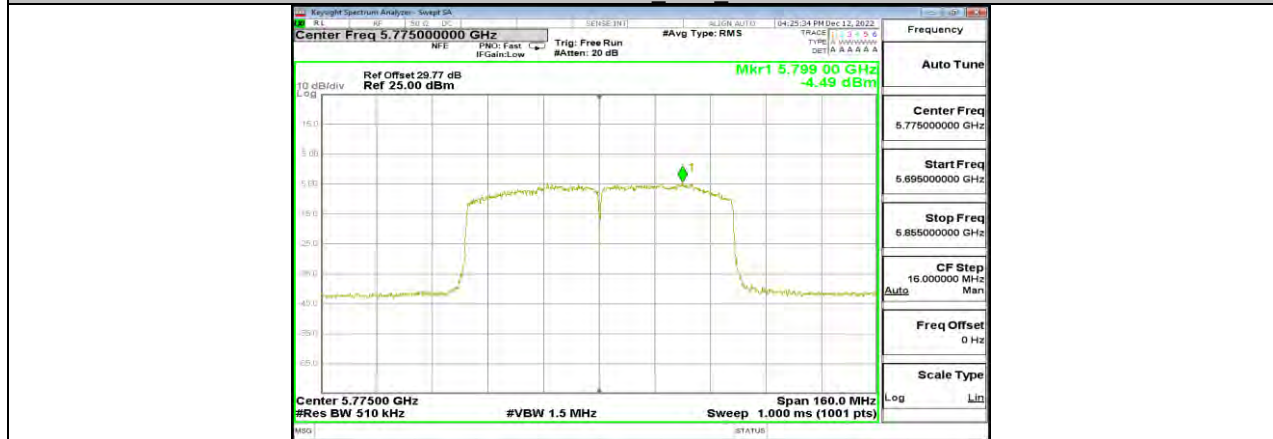
11AC80MIMO Ant1 5690 UNII-3



11AC80MIMO Ant2 5690 UNII-3



11AC80MIMO Ant1 5775



11AC80MIMO Ant2 5775



11.6. APPENDIX F: DUTY CYCLE

11.6.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle ^x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.36	1.86	0.7312	73.12	1.36	0.74	1
11N20MIMO	1.28	1.78	0.7191	71.91	1.43	0.78	1
11N40MIMO	0.63	1.14	0.5526	55.26	2.58	1.59	2
11AC80MIMO	0.31	0.82	0.3780	37.80	4.22	3.23	4

Note:

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

Where: x is Duty Cycle (Linear)

Where: T is On Time

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



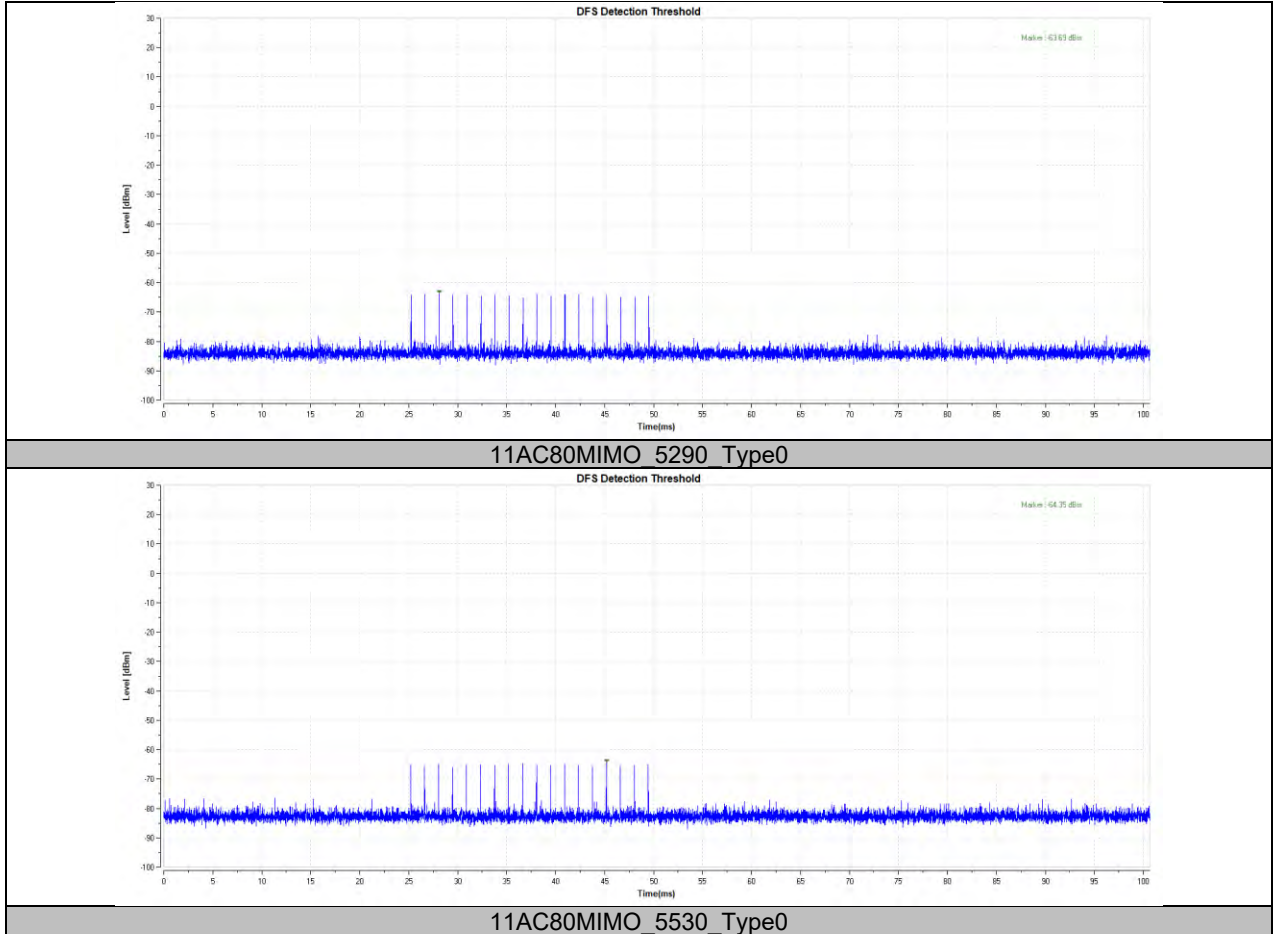
11.7. APPENDIX G: DFS DETECTION THRESHOLDS

11.7.1. Test Result

Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC80MIMO	5290	Type0	-63.69	-62	PASS
11AC80MIMO	5530	Type0	-64.35	-62	PASS



11.7.2. Test Graphs





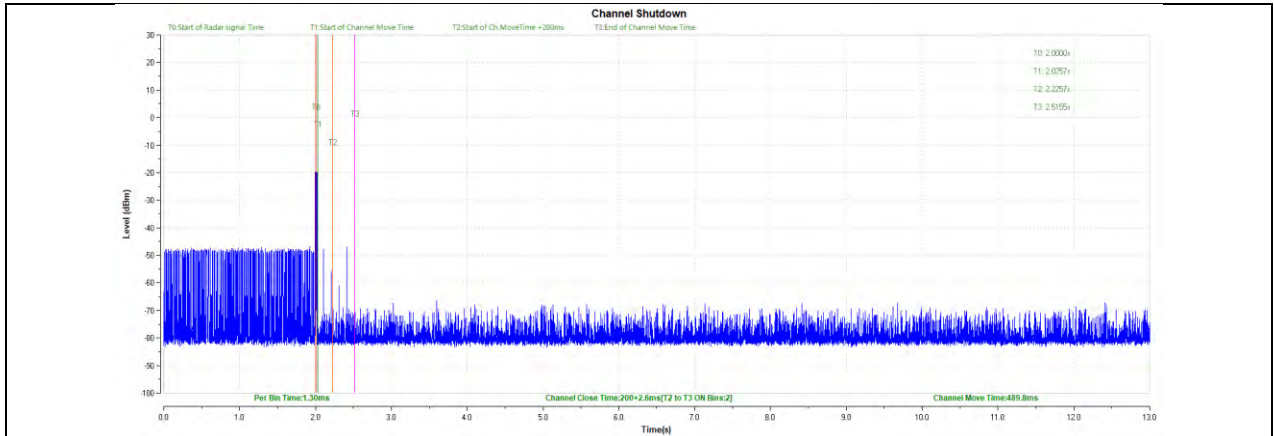
11.8. APPENDIX H: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.8.1. Test Result

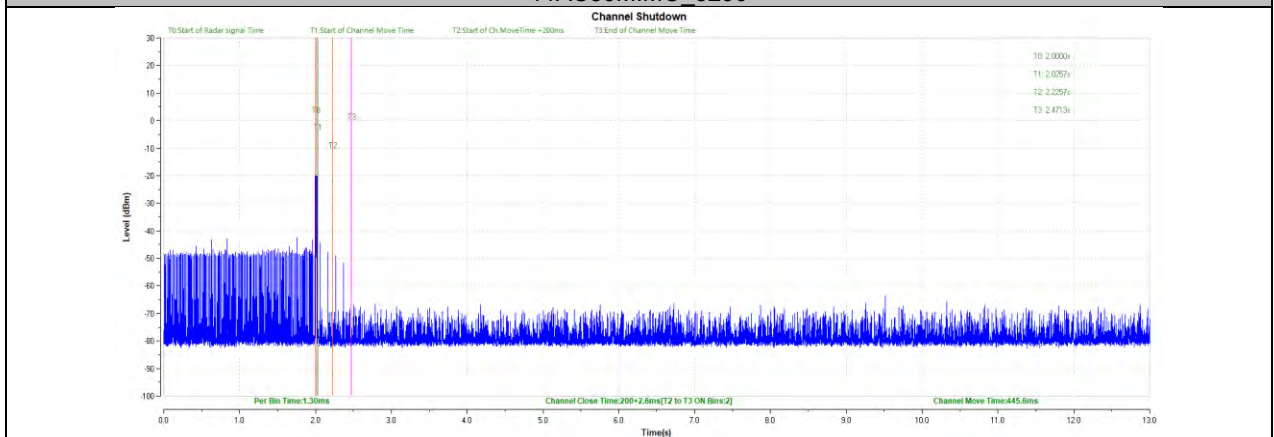
Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5290	200+2.6	200+60	489.8	10000	PASS
11AC80MIMO	5530	200+2.6	200+60	445.6	10000	PASS



11.8.2. Test Graphs



11AC80MIMO_5290



11AC80MIMO_5530



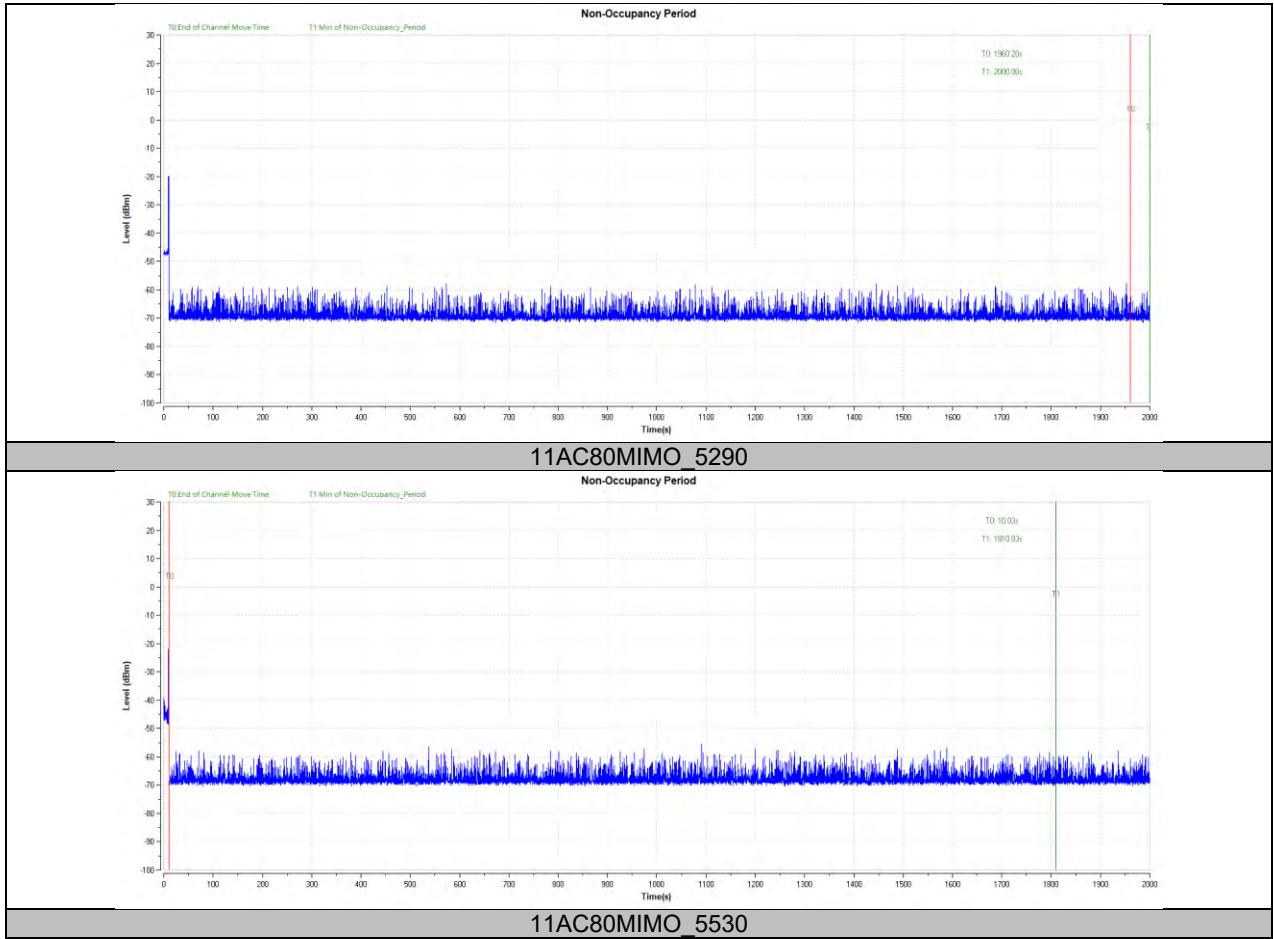
11.9. APPENDIX I: NON-OCCUPANCY PERIOD

Test Result

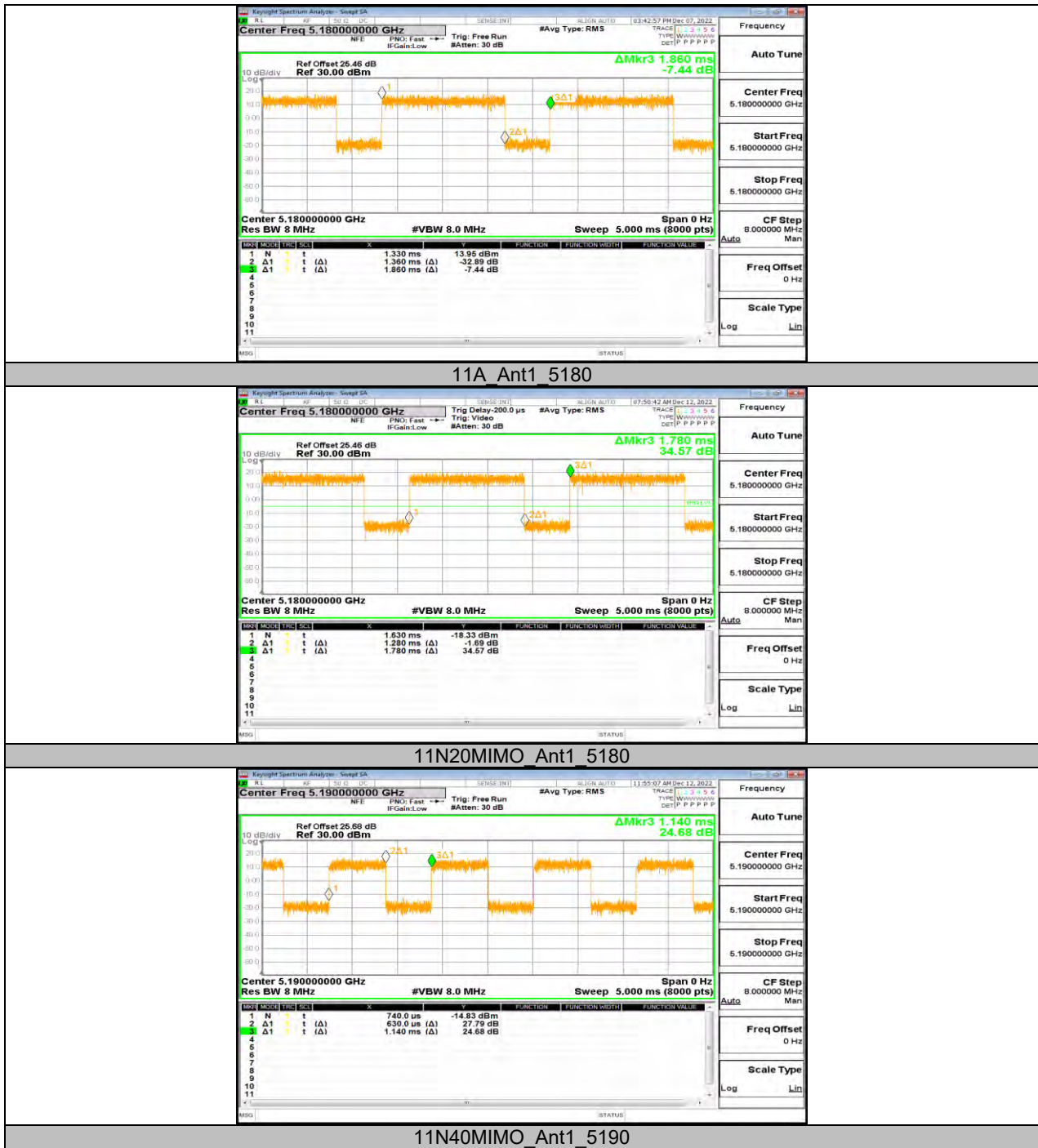
Test Mode	Channel	Result	Limit[s]	Verdict
11AC80MIMO	5290	see test graph	≥1800	PASS
11AC80MIMO	5530	see test graph	≥1800	PASS



11.9.1. Test Graphs



11.9.2. Test Graphs





**11.10. APPENDIX H: FREQUENCY STABILITY****11.10.1. Test Result**

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0172	3.32	5199.9802	-3.80	5199.9907	-1.79	5200.0171	3.28
TN	VN	5200.0084	1.61	5199.9795	-3.95	5199.9860	-2.69	5199.9781	-4.20
TN	VH	5200.0181	3.47	5199.9799	-3.87	5200.0085	1.63	5200.0221	4.24
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
70	VN	5199.9897	-1.97	5199.9857	-2.75	5199.9883	-2.25	5199.9751	-4.79
60	VN	5200.0056	1.07	5199.9991	-0.18	5200.0051	0.97	5199.9942	-1.12
50	VN	5199.9947	-1.02	5200.0002	0.04	5200.0127	2.44	5200.0008	0.16
40	VN	5200.0149	2.86	5200.0055	1.06	5199.9916	-1.61	5199.9752	-4.77
30	VN	5200.0112	2.16	5200.0150	2.89	5200.0091	1.76	5199.9766	-4.49
20	VN	5199.9790	-4.04	5199.9992	-0.16	5199.9946	-1.04	5200.0121	2.33
10	VN	5199.9763	-4.55	5200.0188	3.61	5200.0056	1.07	5200.0236	4.53
0	VN	5200.0053	1.01	5199.9958	-0.81	5199.9987	-0.25	5199.9940	-1.15

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 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	5825.0019	0.32	5824.9938	-1.06	5824.9891	-1.87	5824.9894	-1.81
TN	VN	5824.9778	-3.80	5824.9824	-3.02	5825.0113	1.94	5825.0033	0.56
TN	VH	5824.9818	-3.13	5824.9840	-2.75	5825.0134	2.30	5824.9836	-2.82

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	5825.0245	4.20	5824.9794	-3.54	5824.9934	-1.14	5824.9854	-2.51
60	VN	5824.9757	-4.17	5825.0070	1.21	5824.9767	-4.00	5824.9892	-1.85
50	VN	5824.9880	-2.07	5824.9973	-0.46	5825.0178	3.06	5824.9825	-3.00
40	VN	5825.0223	3.83	5824.9786	-3.68	5824.9935	-1.11	5825.0042	0.71
30	VN	5824.9753	-4.24	5824.9870	-2.24	5824.9990	-0.17	5824.9987	-0.23
20	VN	5825.0166	2.85	5824.9961	-0.66	5825.0178	3.06	5825.0154	2.64
10	VN	5824.9789	-3.62	5824.9899	-1.73	5825.0167	2.87	5825.0183	3.15
0	VN	5825.0075	1.29	5825.0088	1.51	5824.9973	-0.47	5824.9994	-0.11

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 10 TEST ENVIRONMENT.

END OF REPORT