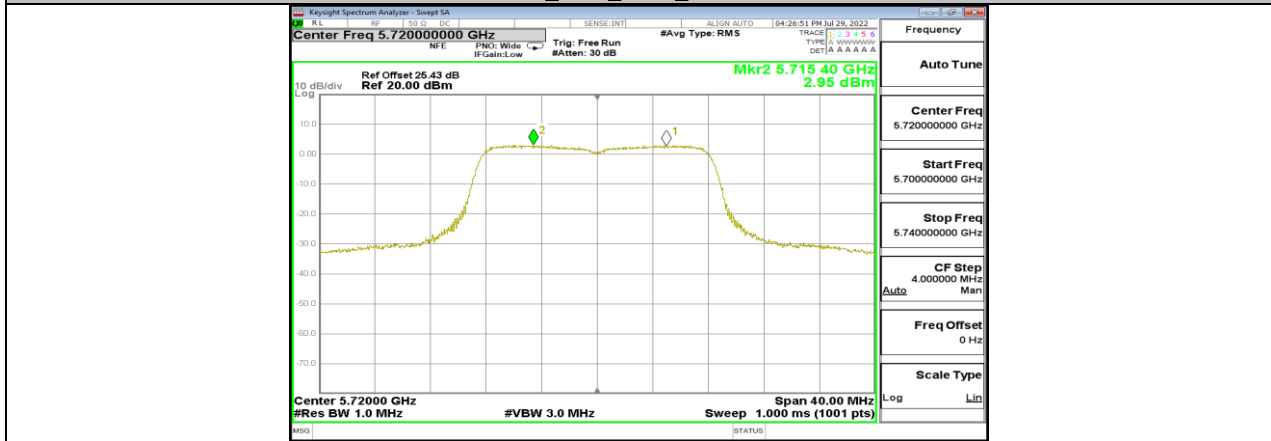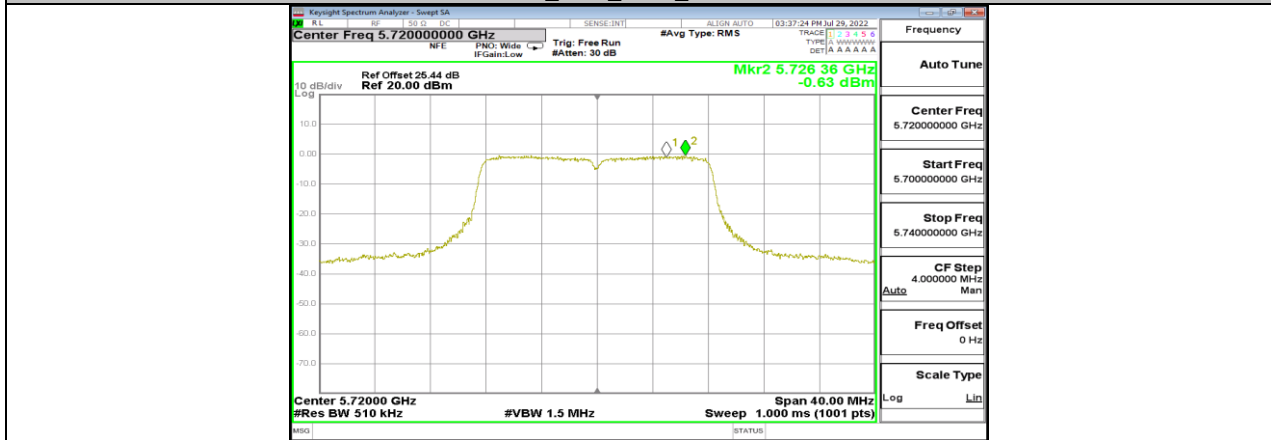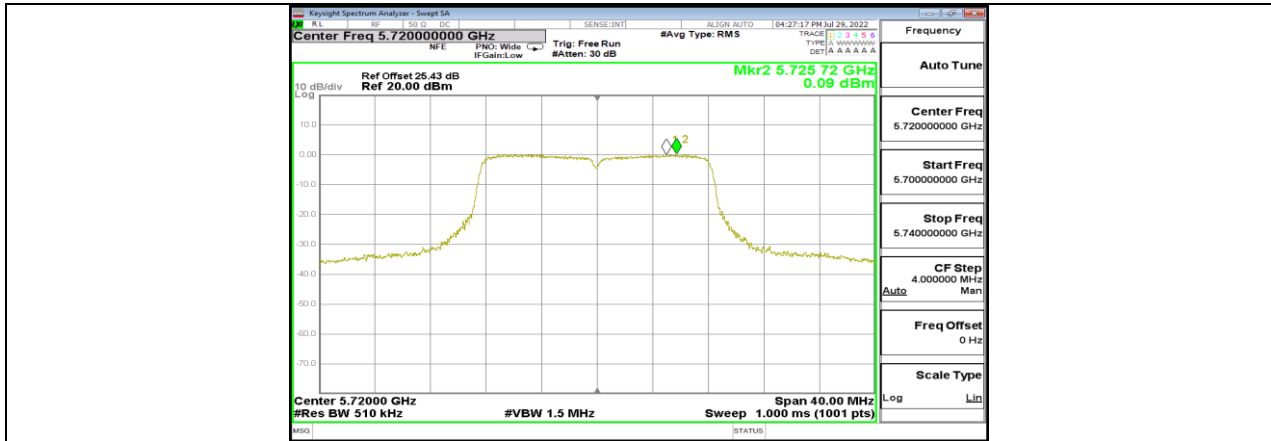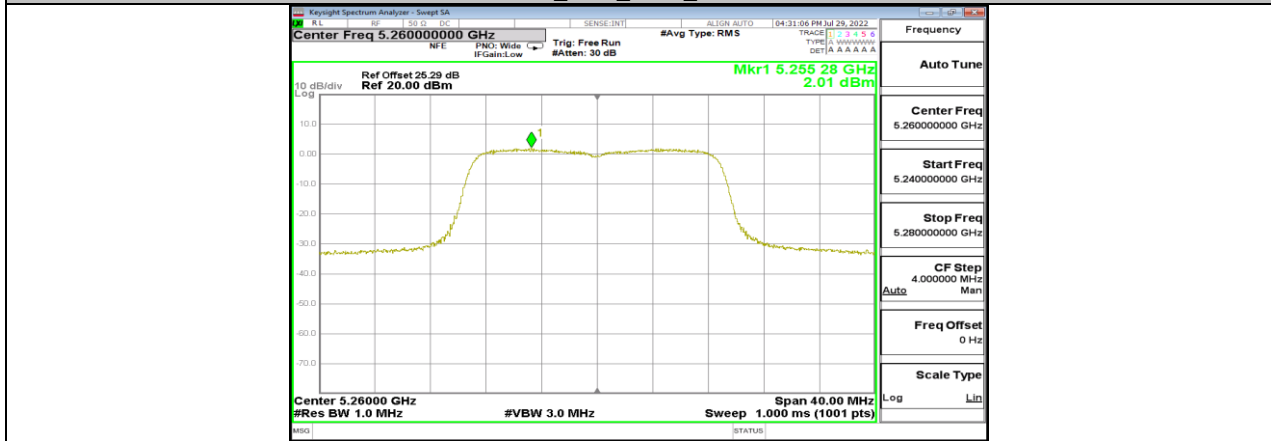11A_Ant1_5720_UNII-2C

11A_Ant2_5720_UNII-2C

11A_Ant1_5720_UNII-3
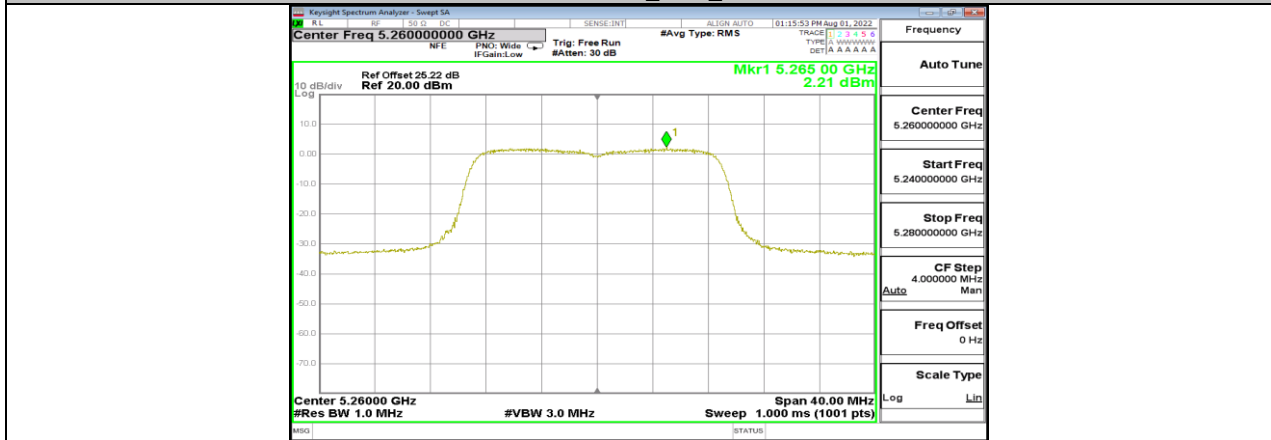
11A_Ant2_5720_UNII-3

11AC20SISO_Ant1_5260

11AC20SISO_Ant2_5260

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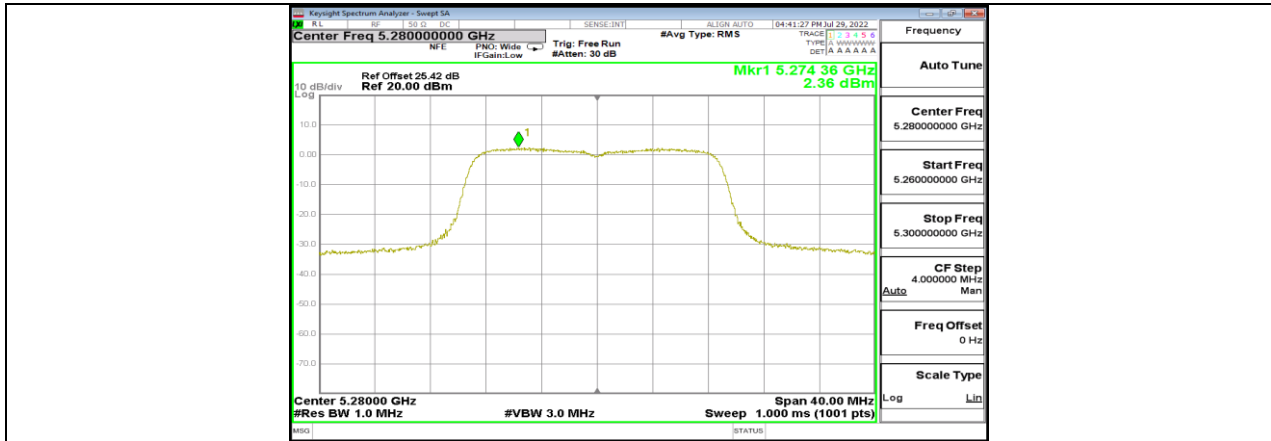
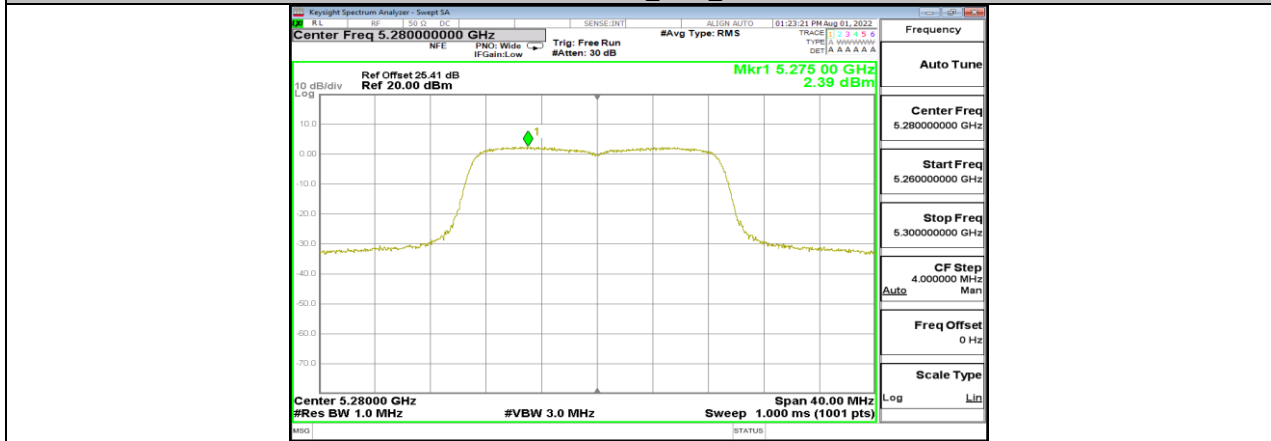11AC20SISO_Ant1_5280
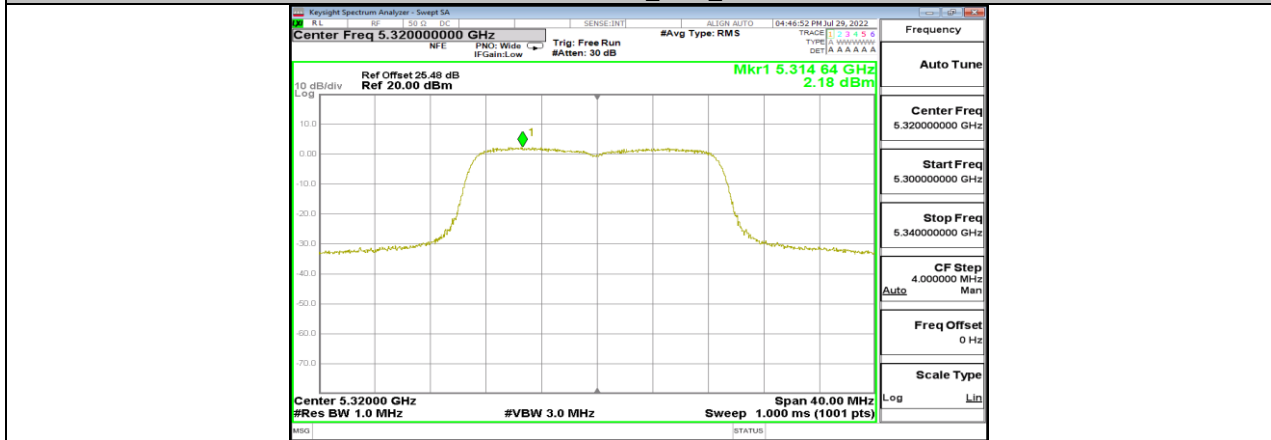

11AC20SISO_Ant2_5280

11AC20SISO_Ant1_5320

11AC20SISO_Ant2_5320

11AC20SISO_Ant1_5500

11AC20SISO_Ant2_5500

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11AC20SISO_Ant1_5580

11AC20SISO_Ant2_5580

11AC20SISO_Ant1_5700

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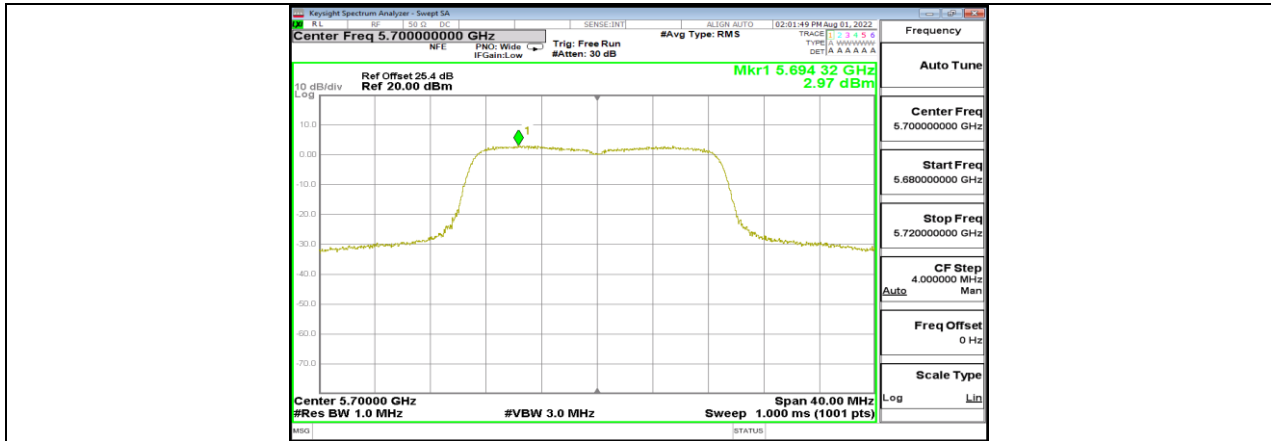
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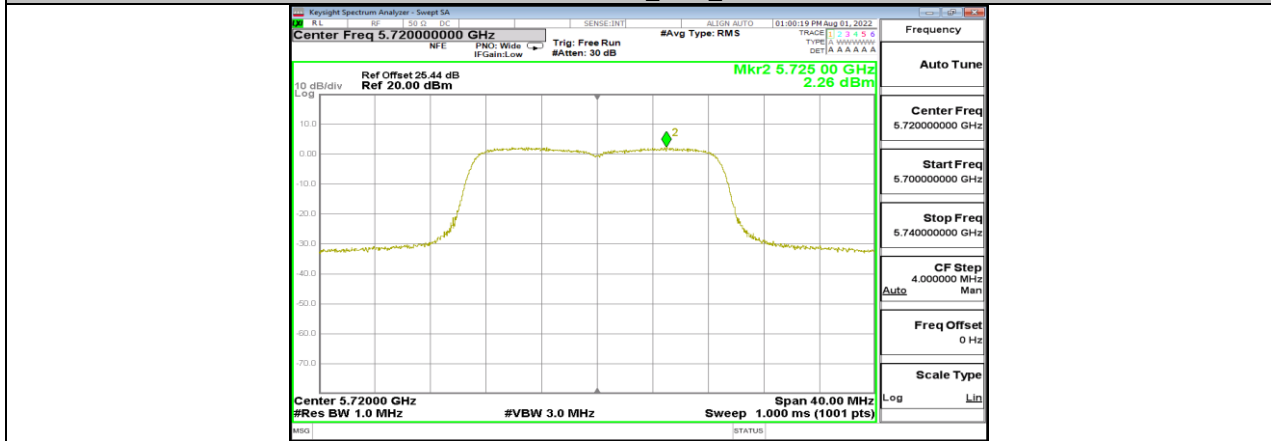
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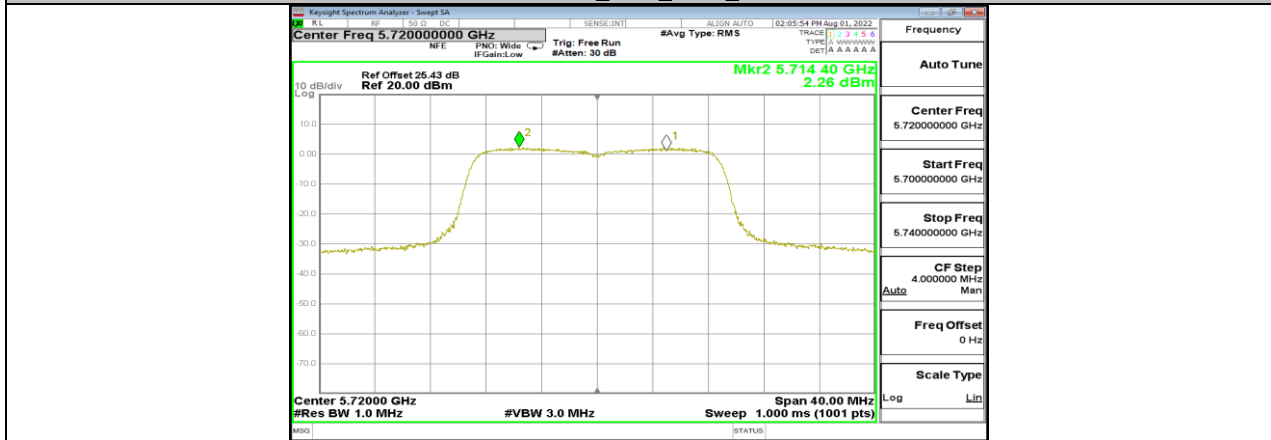
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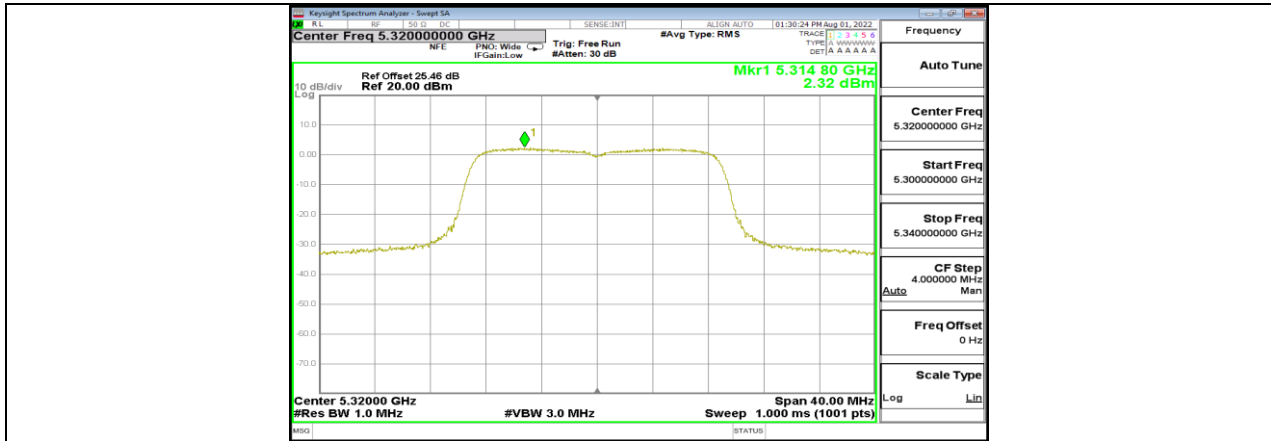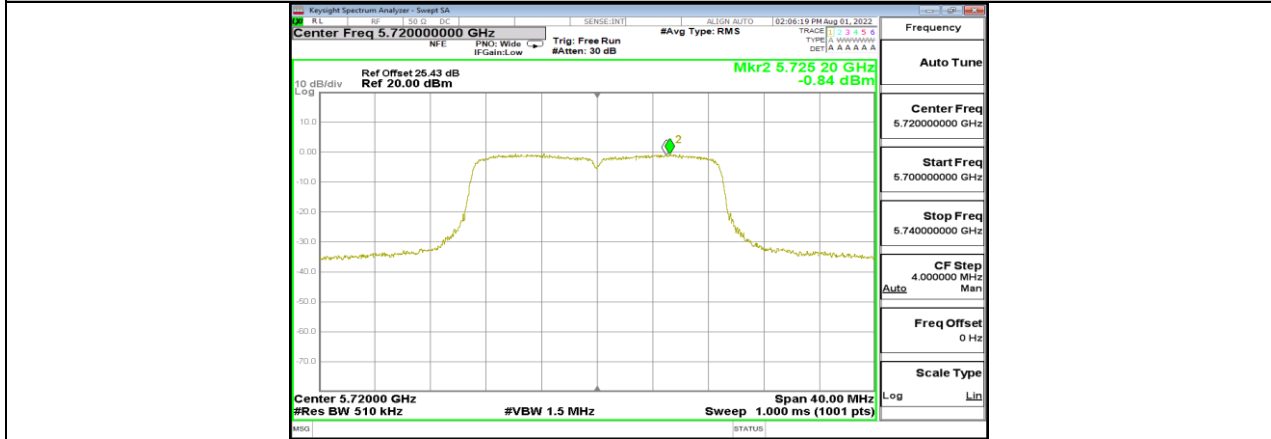

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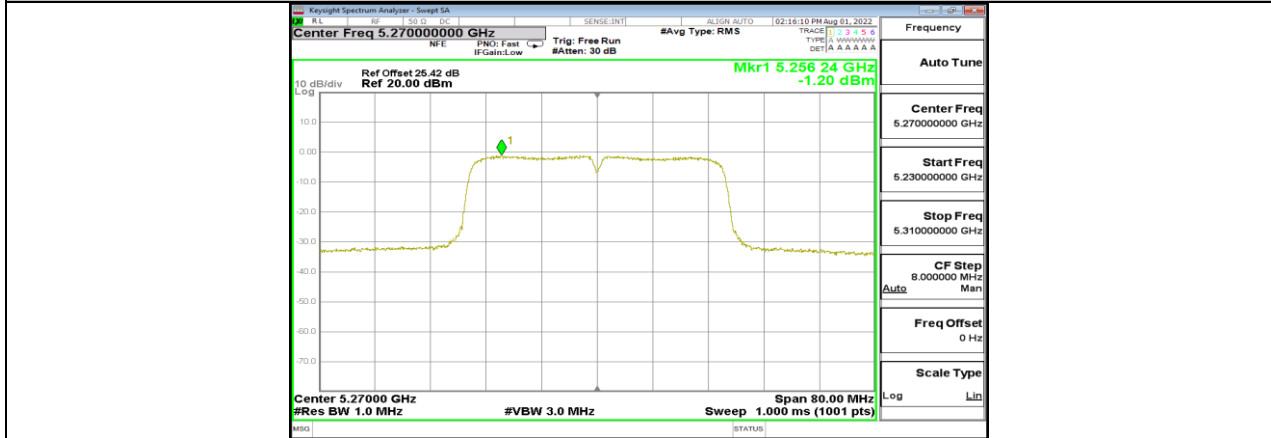
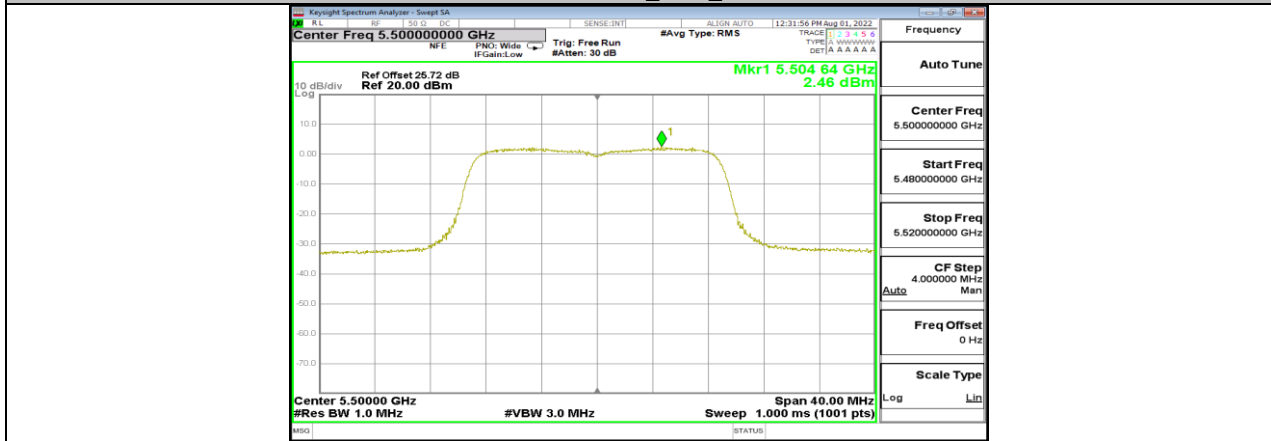11AC40SISO_Ant1_5270

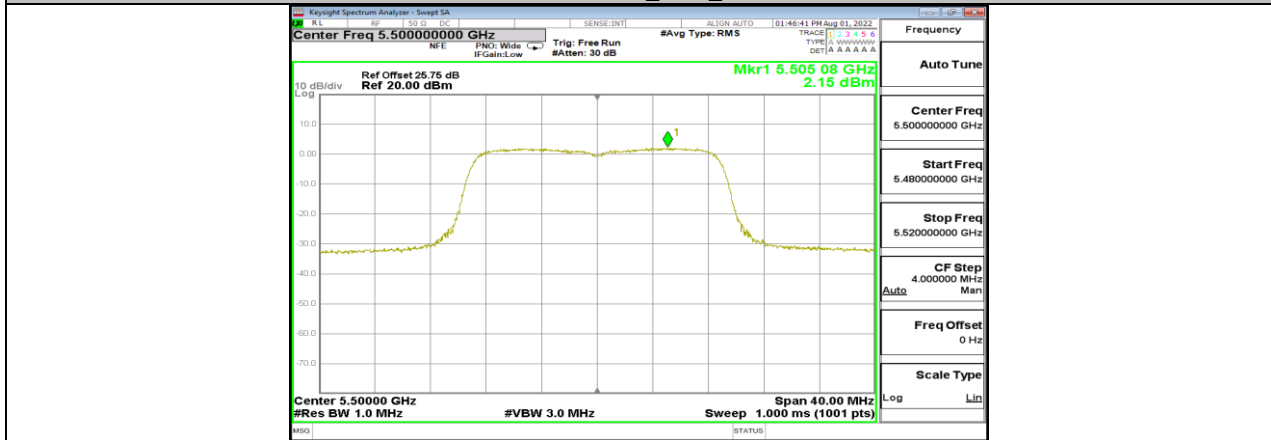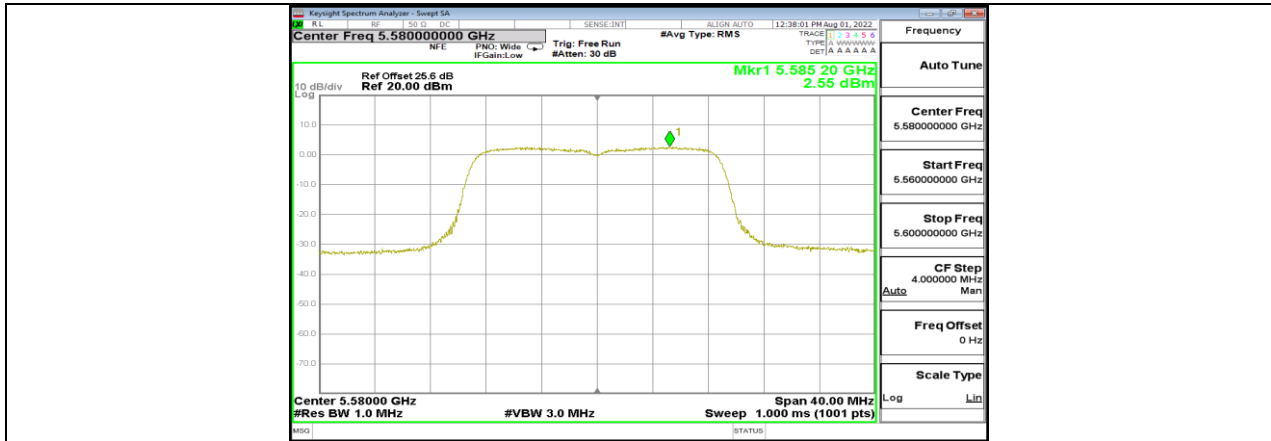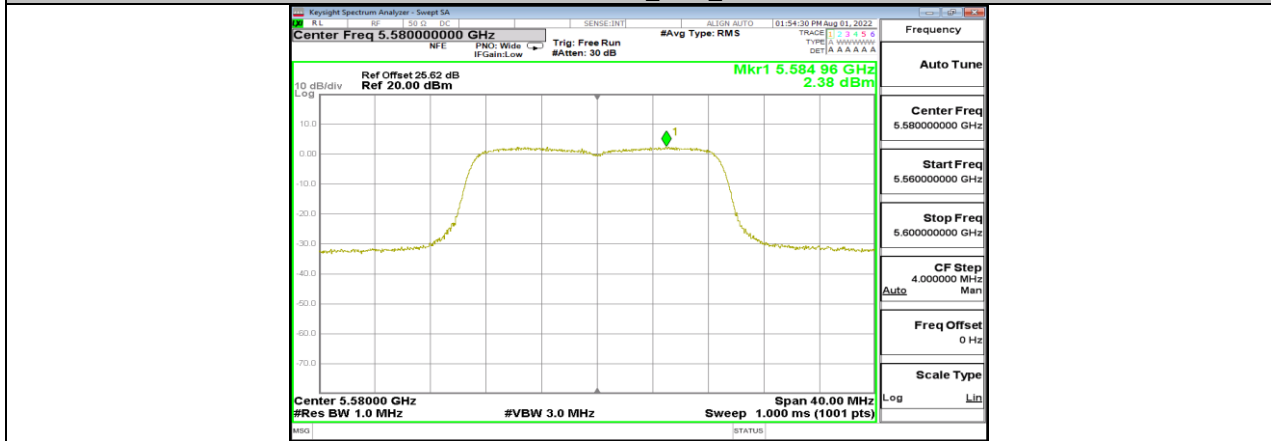11AC40SISO_Ant2_5270
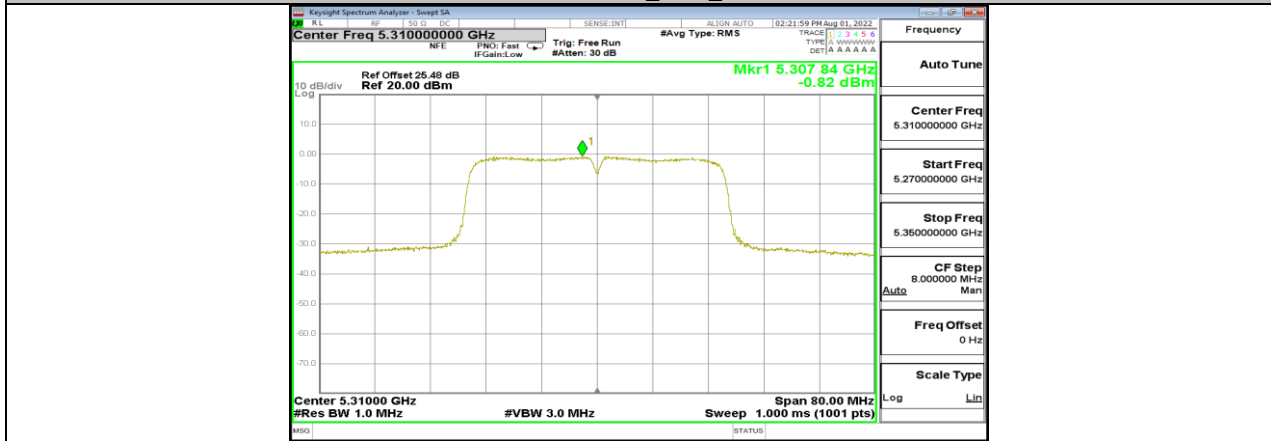
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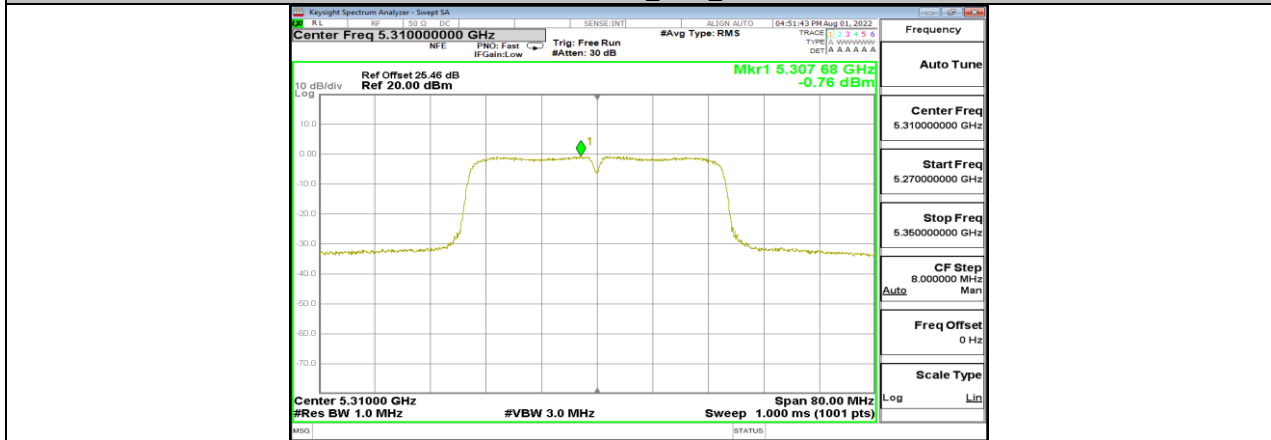
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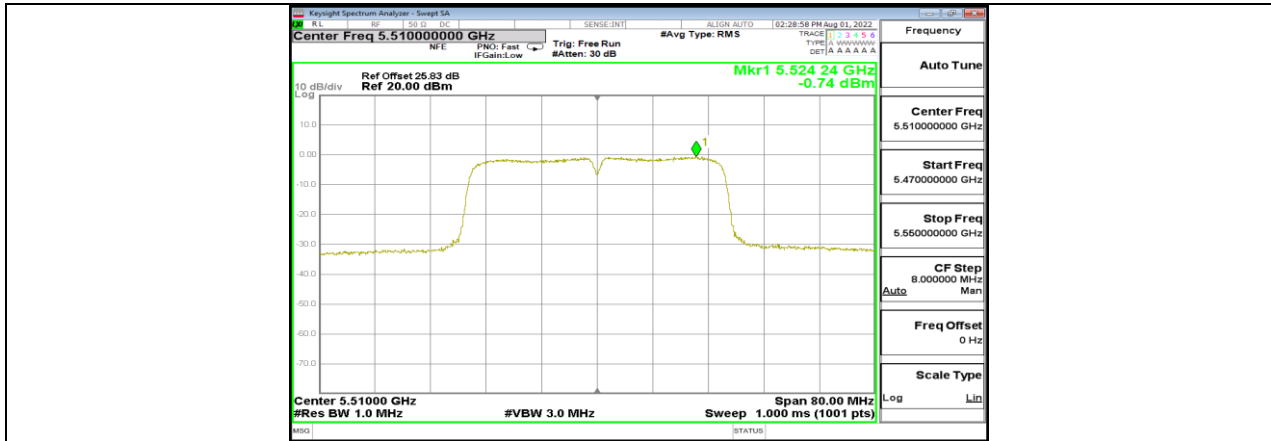
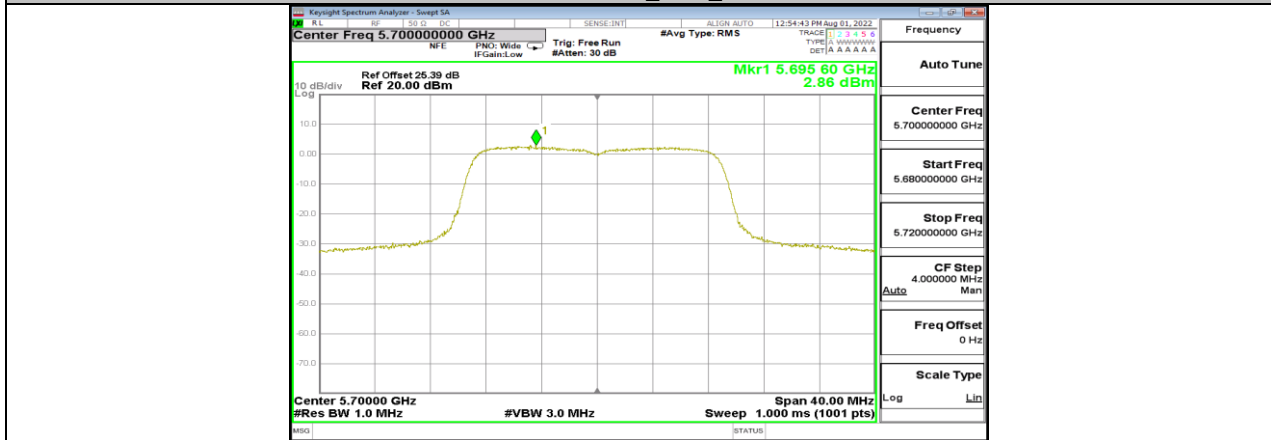11AC40SISO_Ant1_5510
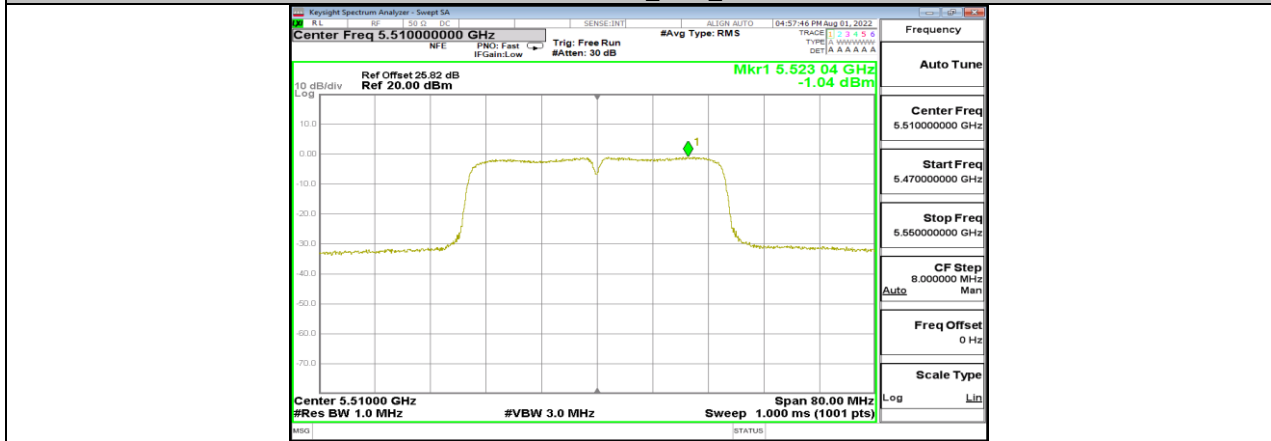
11AC40SISO_Ant2_5510

11AC40SISO_Ant1_5550

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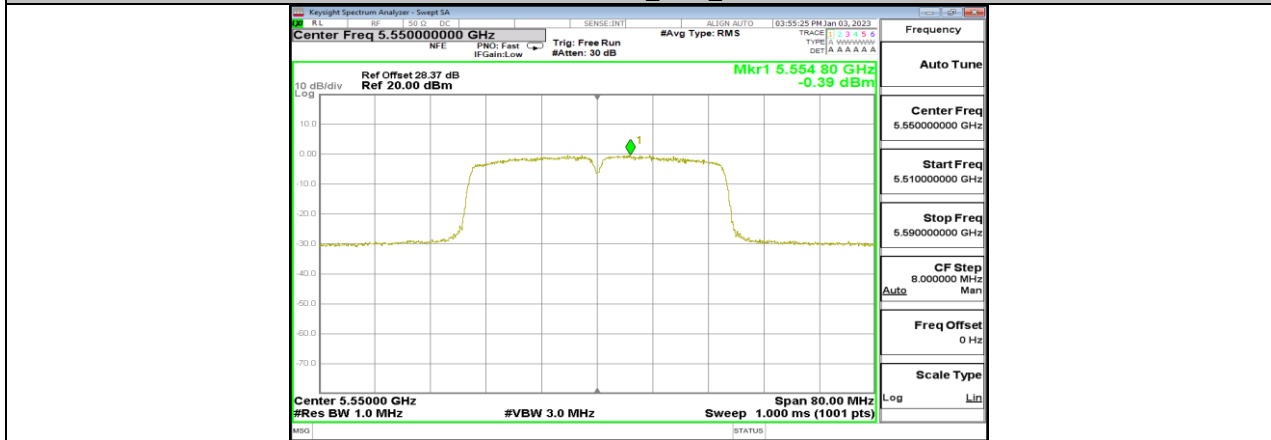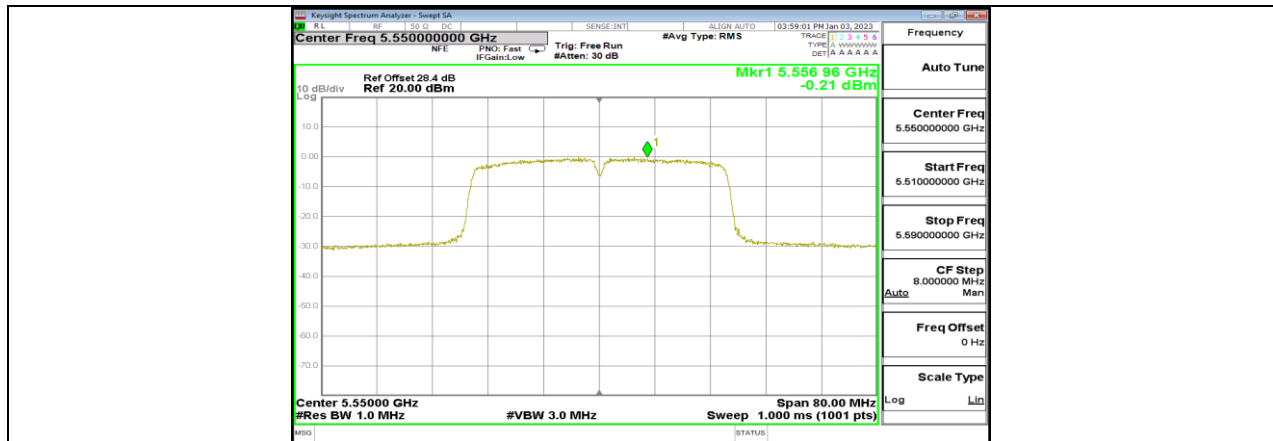
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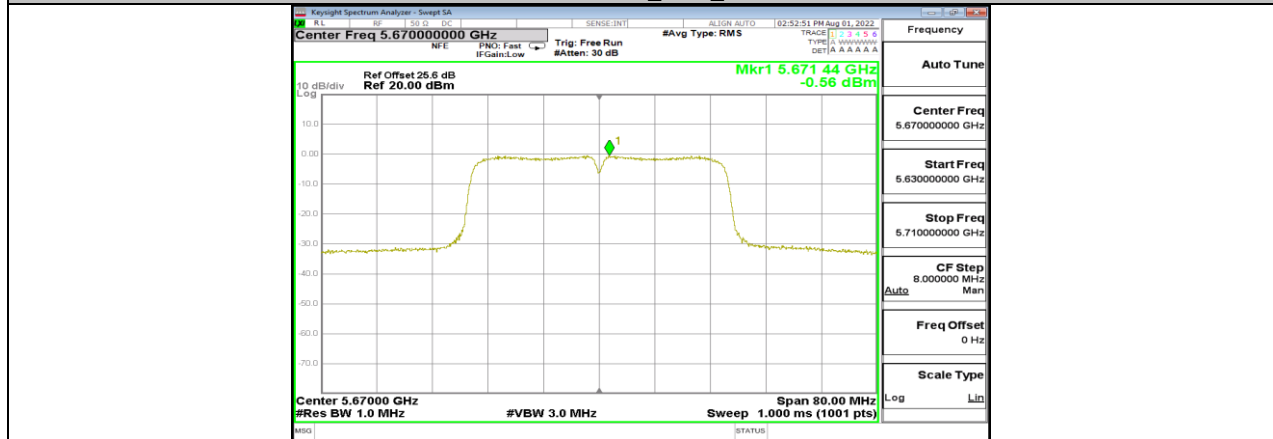
11AC40SISO_Ant1_5670

11AC40SISO_Ant2_5670

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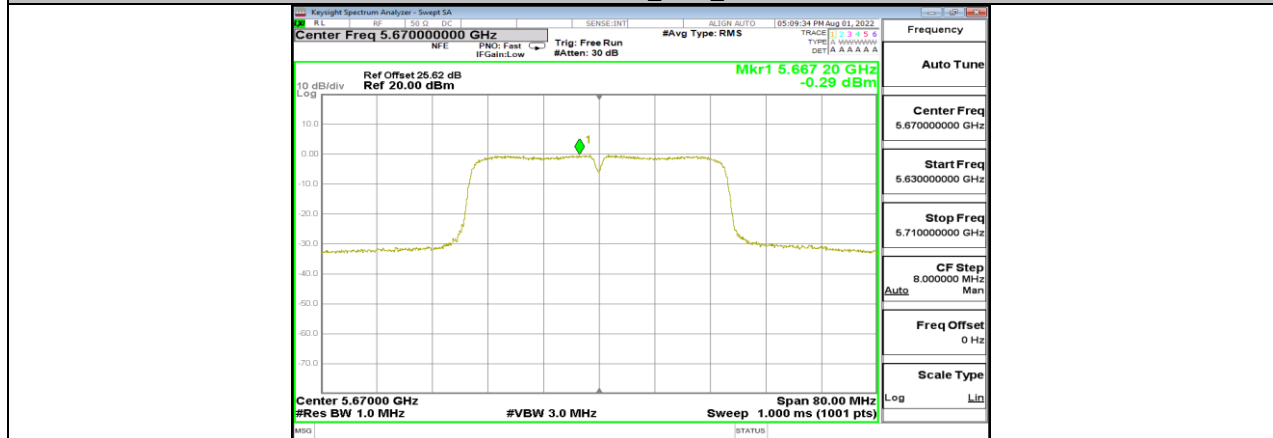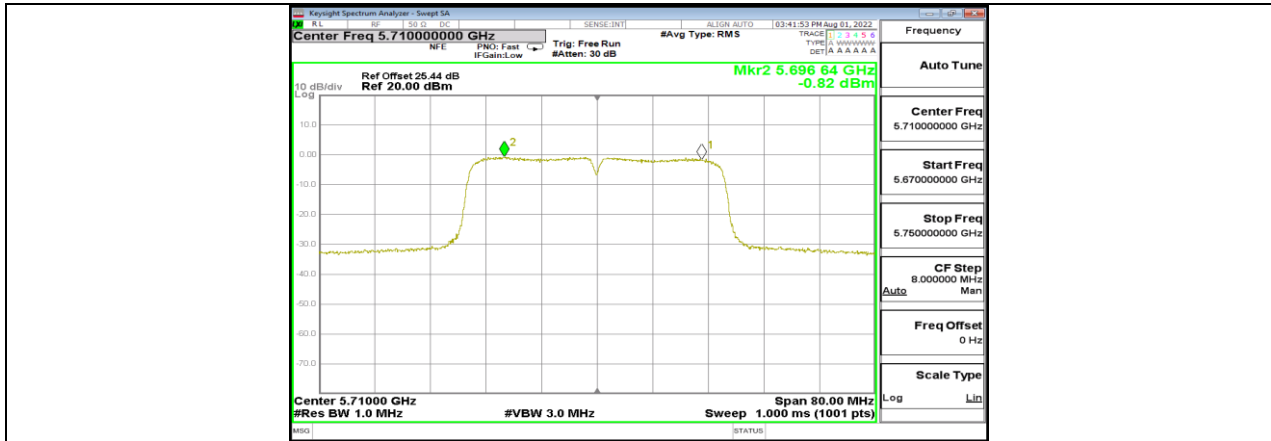
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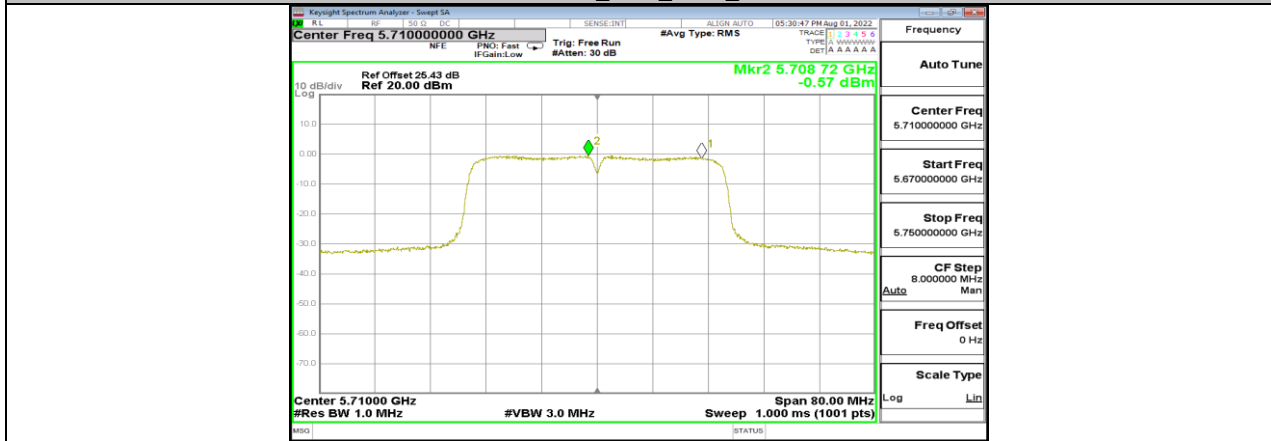
11AC40SISO_Ant2_5710_UNII-2C

11AC40SISO_Ant1_5710_UNII-3

11AC40SISO_Ant2_5710_UNII-3

11AC80SISO_Ant1_5290

11AC80SISO_Ant2_5290

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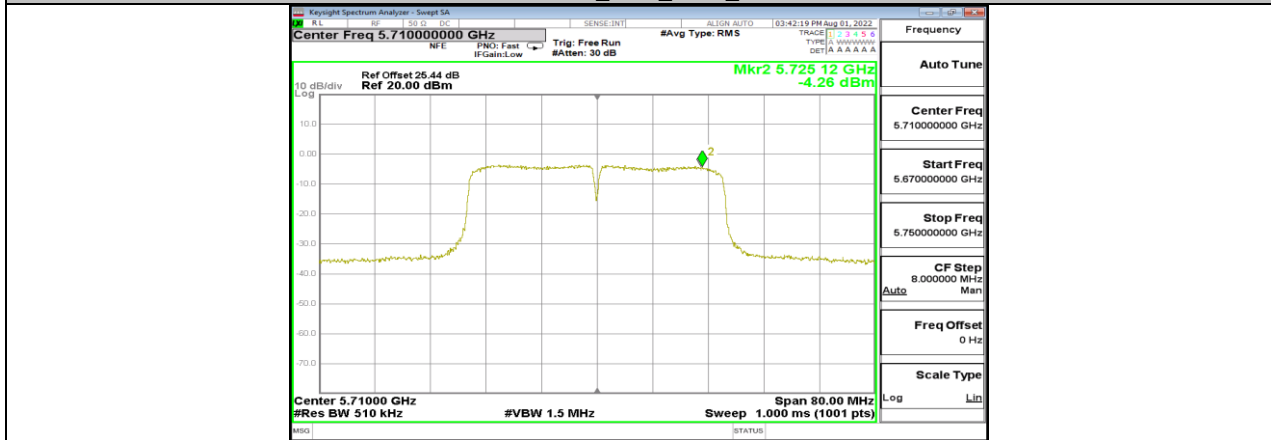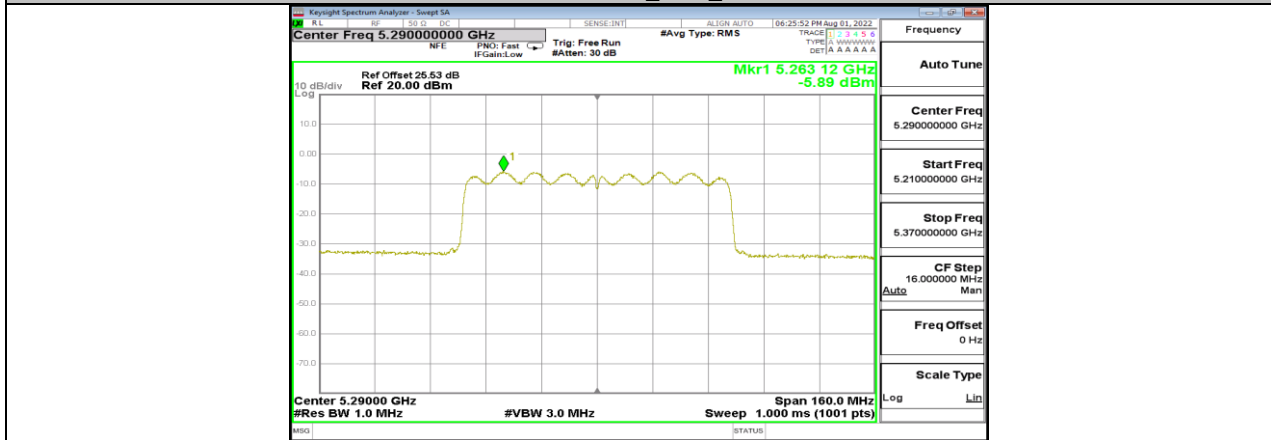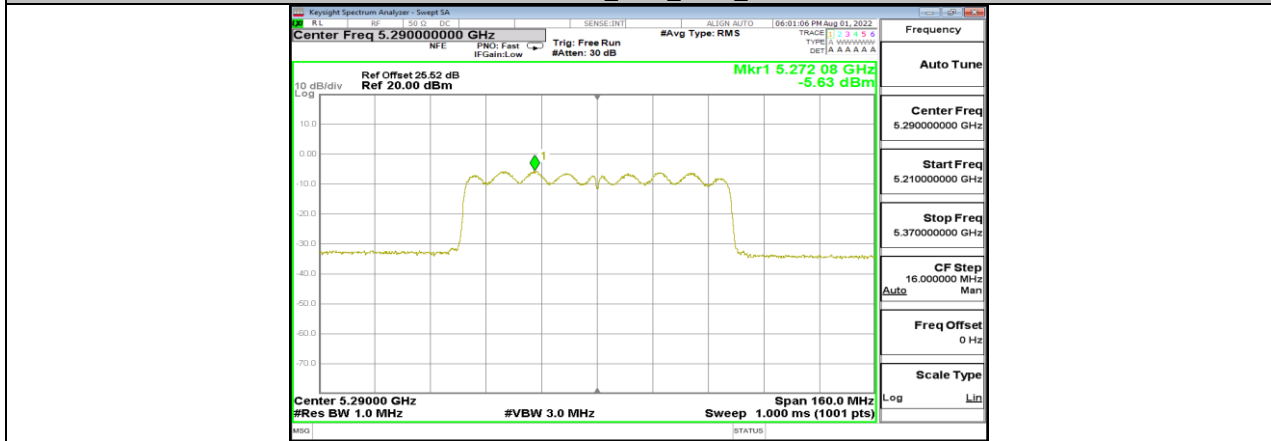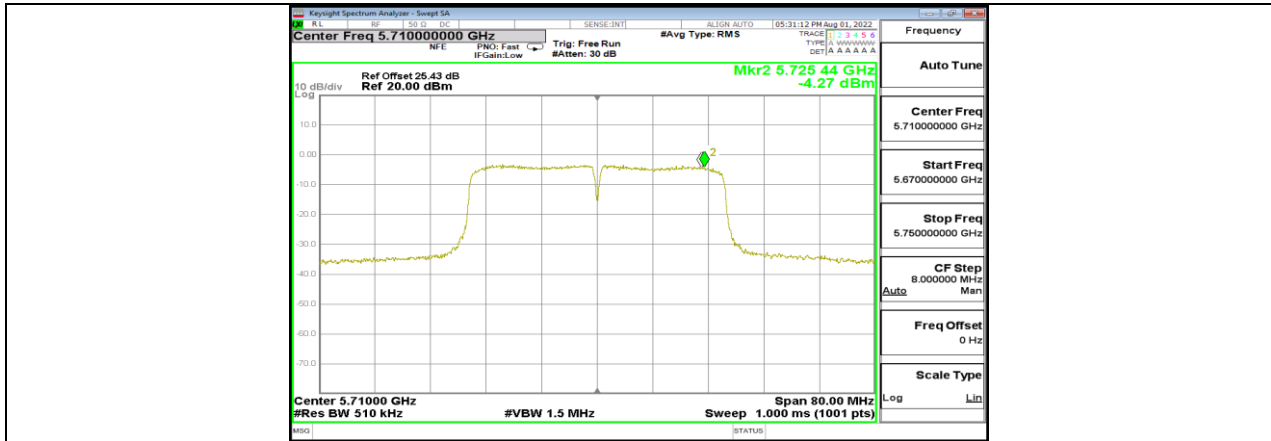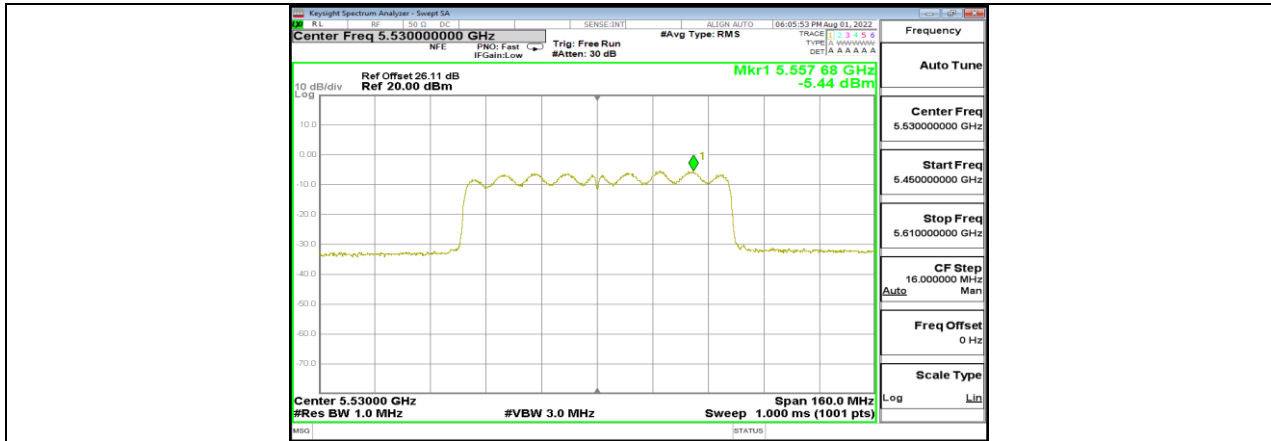
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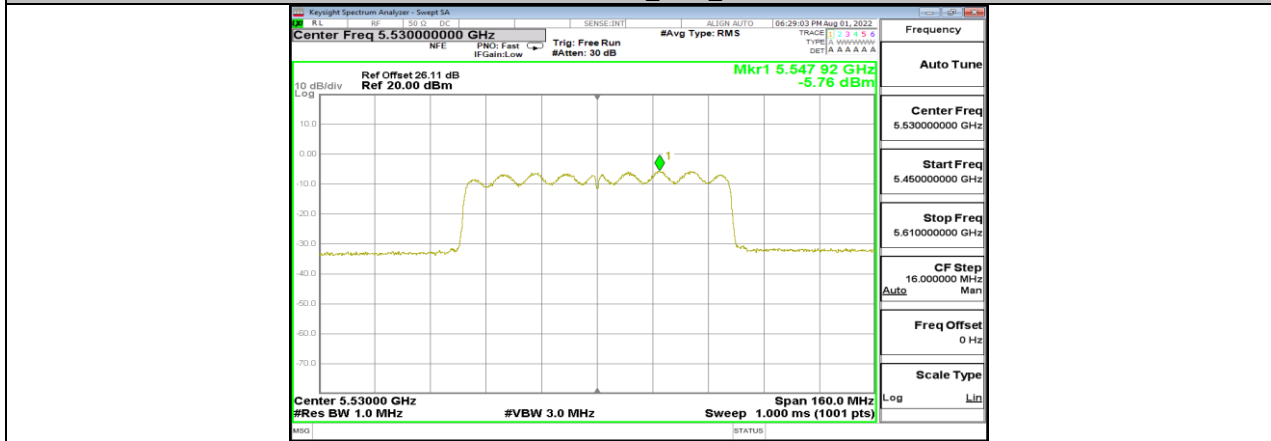
11AC80SISO_Ant2_5530

11AC80SISO_Ant1_5610

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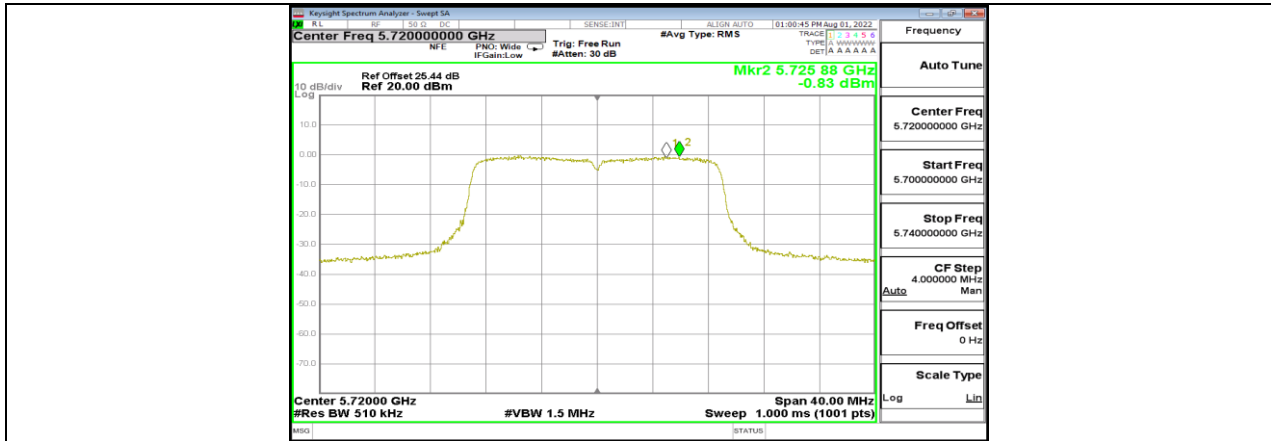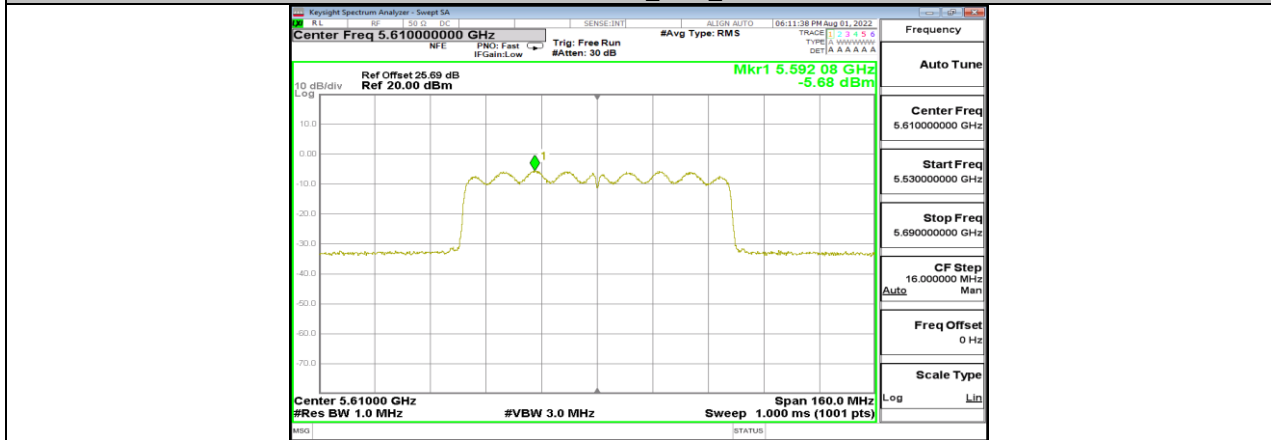
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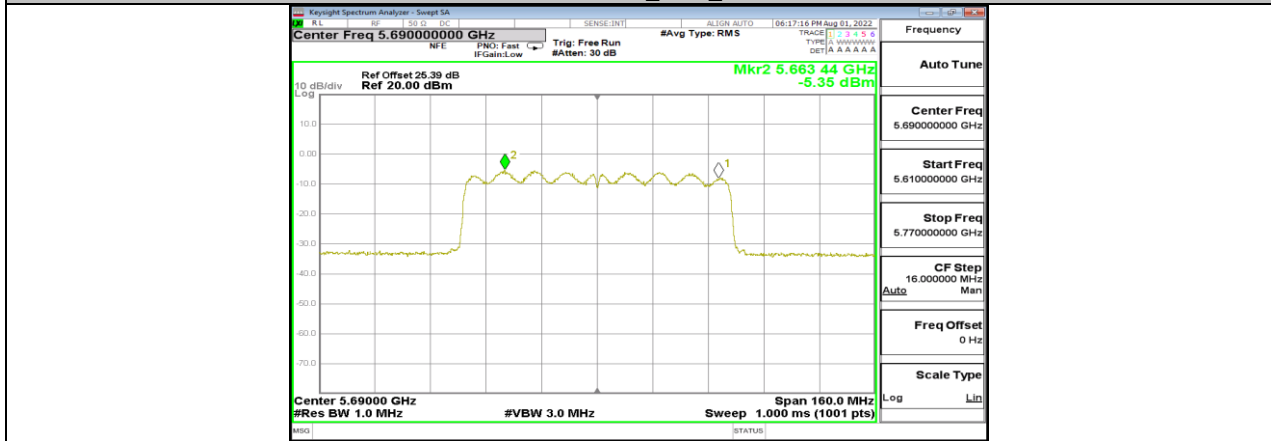
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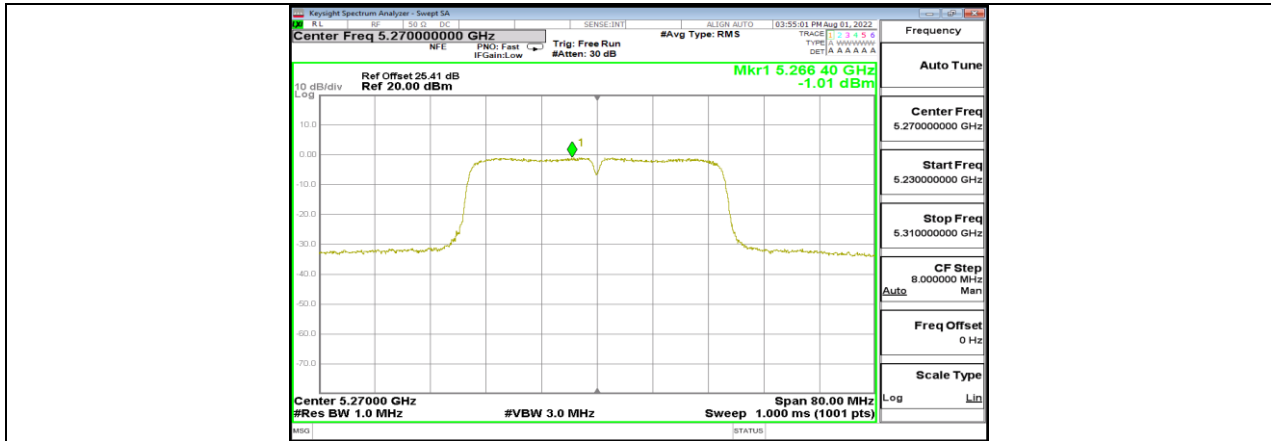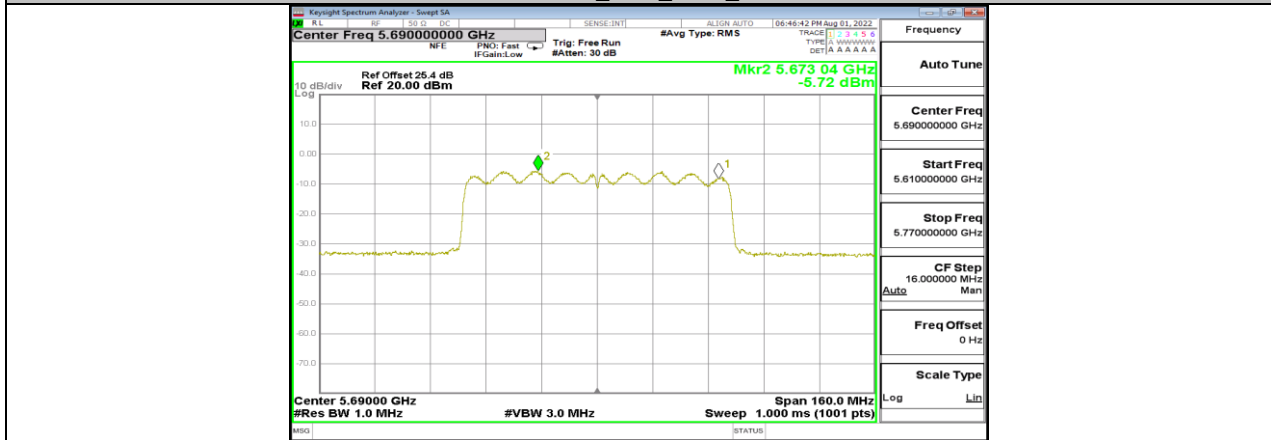

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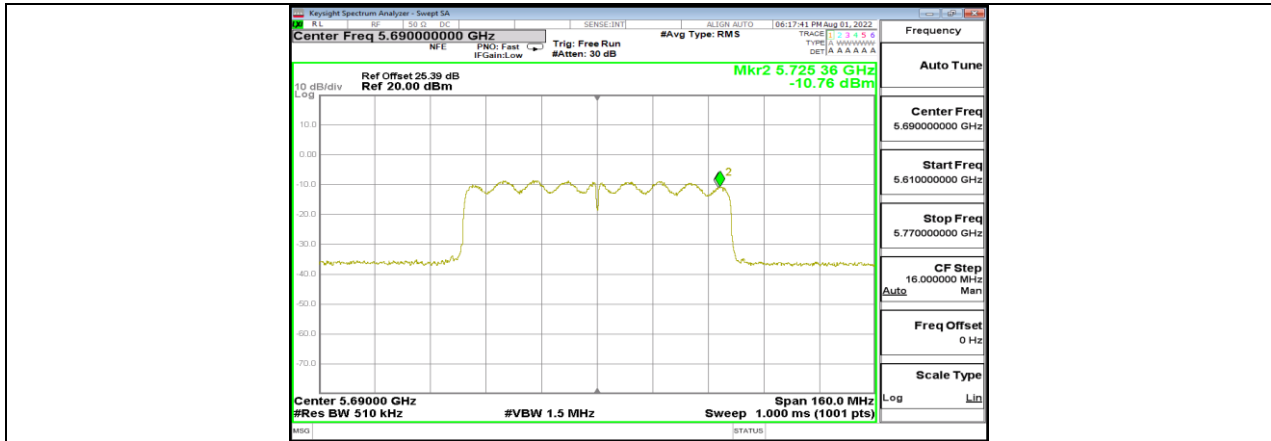
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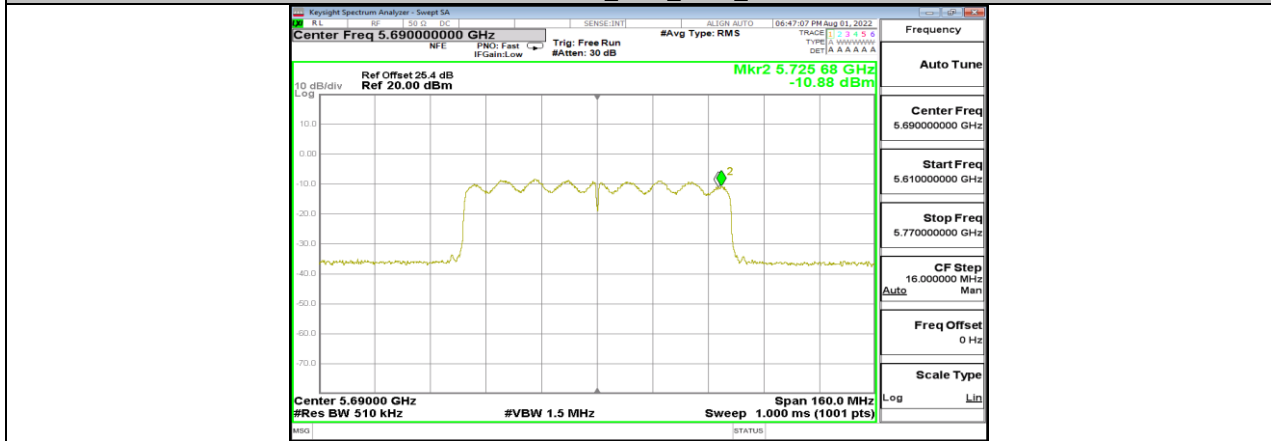
11AC80SISO_Ant2_5690_UNII-3

11.6. APPENDIX D: DFS DETECTION THRESHOLDS
11.6.1. Test Result

Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC80SISO	5530	Type0	-63.53	-62.00	PASS

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11.6.2. Test Graphs

11AC80SISO_5530_Type0

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11.7. APPENDIX E: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME
11.7.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5530	200+5.2	200+60	433.9	10000	PASS

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11.7.2. Test Graphs
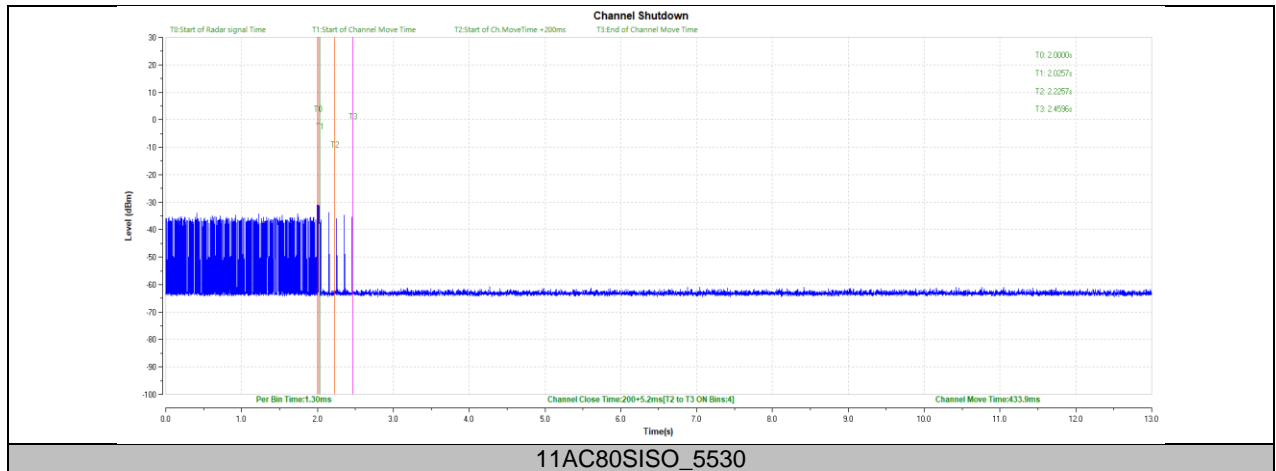
11AC80SISO_5530

11.8. APPENDIX F: NON-OCCUPANCY PERIOD

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80SISO	5530	see test graph	≥1800	PASS

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11.8.1. Test Graphs

Non-Occupancy Period

11AC80SISO_5530

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11.9. APPENDIX G: DUTY CYCLE
11.9.1. 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	100	100	1.0000	100.00	0.00	0.01	0.01
11AC20SISO	100	100	1.0000	100.00	0.00	0.01	0.01
11AC40SISO	100	100	1.0000	100.00	0.00	0.01	0.01
11AC80SISO	100	100	1.0000	100.00	0.00	0.01	0.01

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.

11.9.2. Test Graphs

11A_Ant1_5260

11AC20SISO_Ant1_5260

11AC40SISO_Ant1_5270

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11AC80SISO_Ant1_5290

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11.10. APPENDIX H: FREQUENCY STABILITY
11.10.1. Test Result

Frequency Error vs. Voltage									
802.11a20:5260MHz									
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	5260.0129	2.45	5260.0184	3.49	5259.9841	-3.02	5260.0170	3.23
TN	VN	5259.9828	-3.26	5260.0164	3.11	5260.0203	3.87	5259.9920	-1.52
TN	VH	5260.0081	1.54	5260.0117	2.23	5259.9779	-4.20	5260.0235	4.48

Frequency Error vs. Temperature									
802.11a:5260MHz									
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)
60	VN	5259.9858	-2.71	5260.0020	0.39	5259.9976	-0.46	5260.0063	1.20
50	VN	5260.0213	4.05	5259.9911	-1.70	5259.9933	-1.27	5260.0049	0.92
40	VN	5260.0055	1.04	5259.9762	-4.53	5259.9776	-4.26	5260.0202	3.84
30	VN	5259.9891	-2.08	5259.9889	-2.12	5260.0128	2.43	5260.0246	4.67
20	VN	5259.9755	-4.66	5259.9895	-1.99	5259.9995	-0.10	5259.9960	-0.75
10	VN	5260.0235	4.46	5260.0084	1.59	5259.9825	-3.34	5260.0206	3.91
0	VN	5259.9813	-3.55	5260.0155	2.95	5260.0042	0.80	5259.9877	-2.34

Frequency Error vs. Voltage									
802.11a20:5700MHz									
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	5700.0210	3.69	5700.0052	0.92	5700.0037	0.66	5699.9941	-1.03
TN	VN	5699.9845	-2.73	5700.0157	2.75	5699.9945	-0.97	5700.0163	2.86
TN	VH	5699.9807	-3.39	5700.0026	0.45	5700.0118	2.08	5700.0117	2.06
Frequency Error vs. Temperature									
802.11a:5700MHz									
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)
60	VN	5700.0129	2.26	5699.9931	-1.21	5699.9986	-0.25	5700.0213	3.74
50	VN	5700.0207	3.63	5699.9946	-0.94	5700.0141	2.47	5699.9794	-3.61
40	VN	5700.0201	3.53	5699.9984	-0.28	5700.0160	2.80	5699.9919	-1.42
30	VN	5699.9946	-0.94	5699.9992	-0.14	5699.9894	-1.86	5700.0096	1.69
20	VN	5699.9797	-3.56	5699.9917	-1.46	5699.9964	-0.62	5699.9964	-0.63
10	VN	5699.9811	-3.32	5699.9837	-2.87	5700.0141	2.47	5699.9999	-0.02
0	VN	5699.9802	-3.47	5699.9863	-2.41	5699.9956	-0.77	5699.9811	-3.32

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

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END OF REPORT