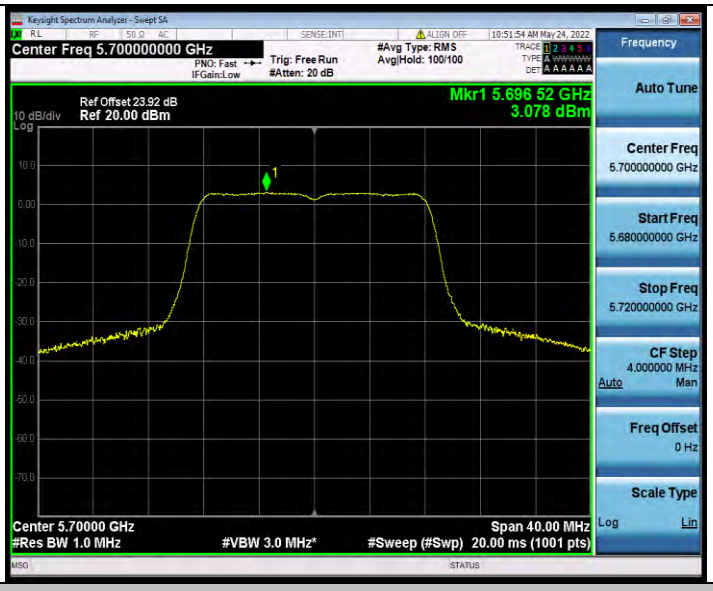
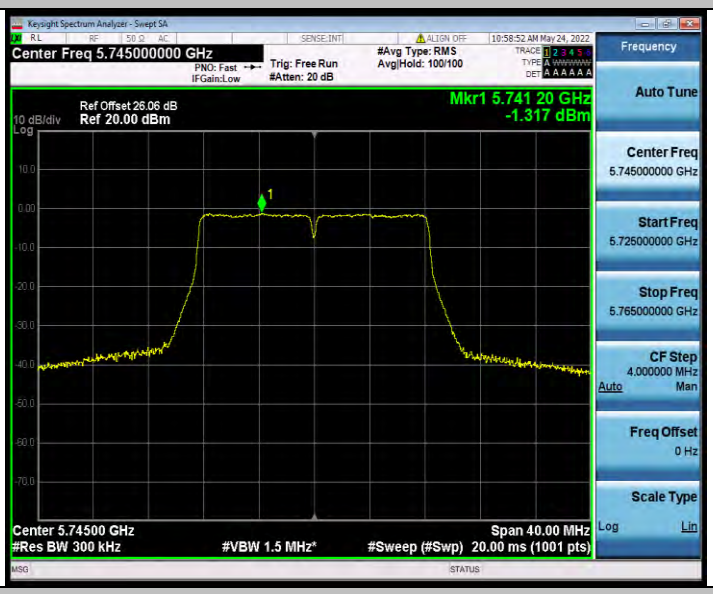
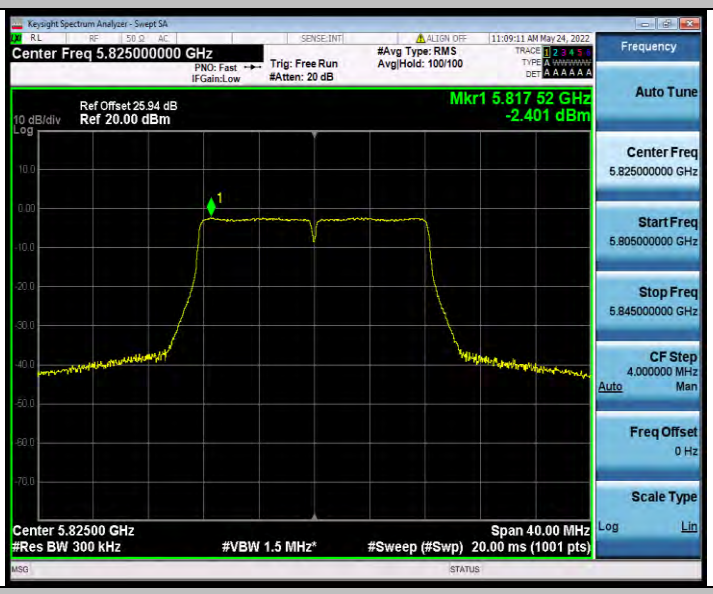


11A_Ant1_5745

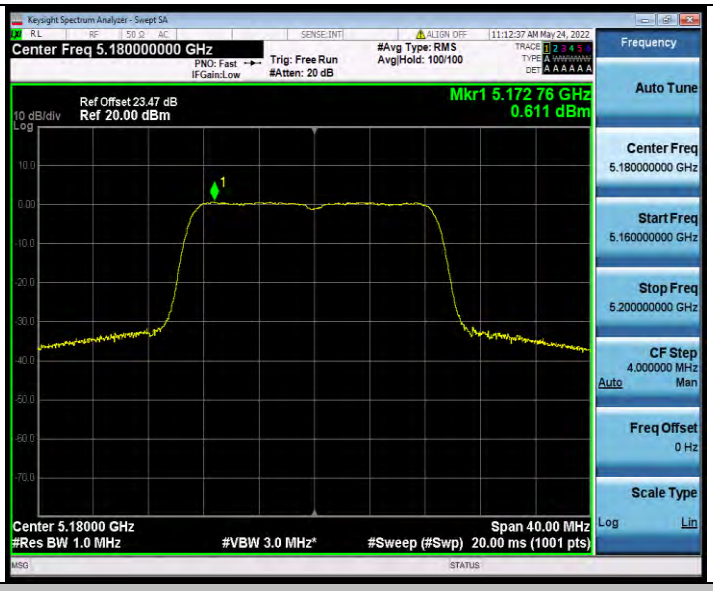


11A_Ant1_5785

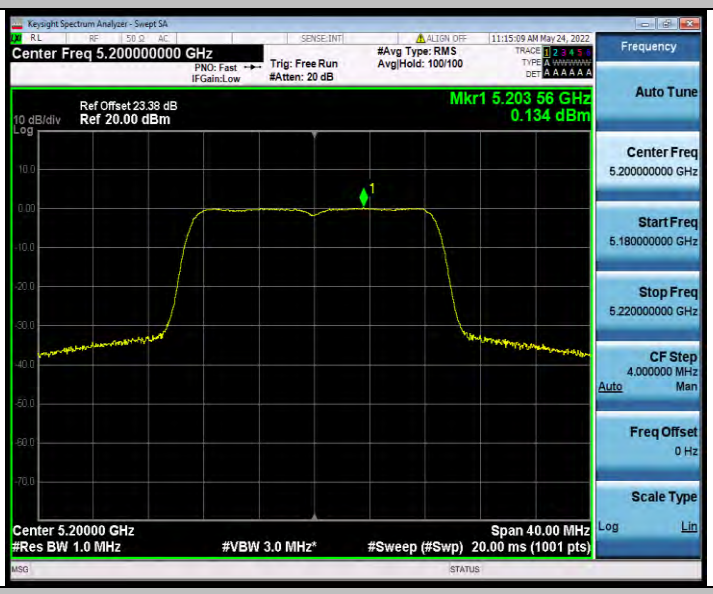
11A_Ant1_5825



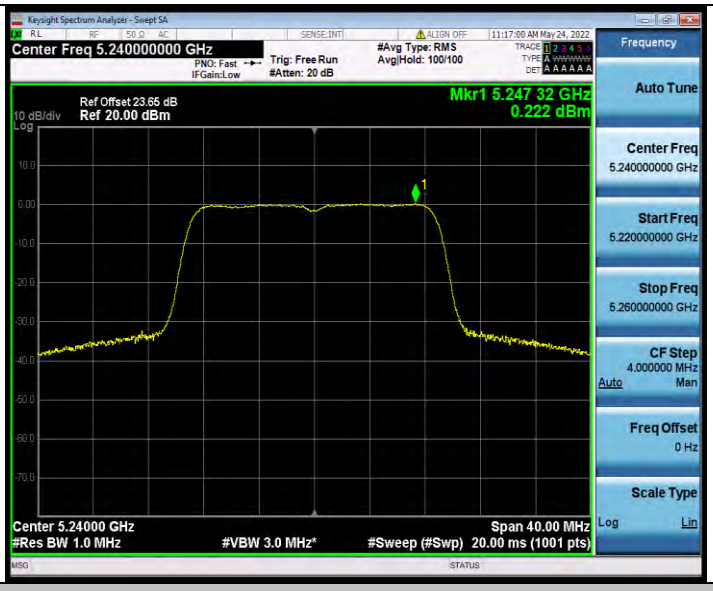
11N20SISO_Ant1_5180



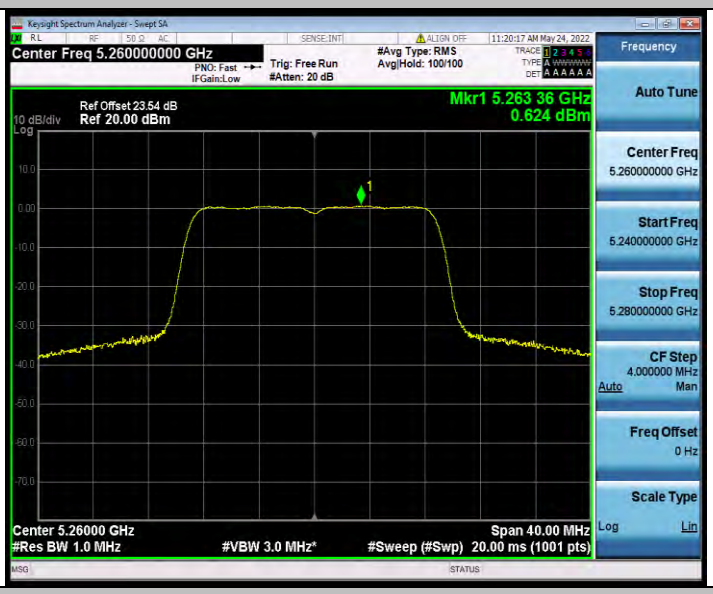
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240

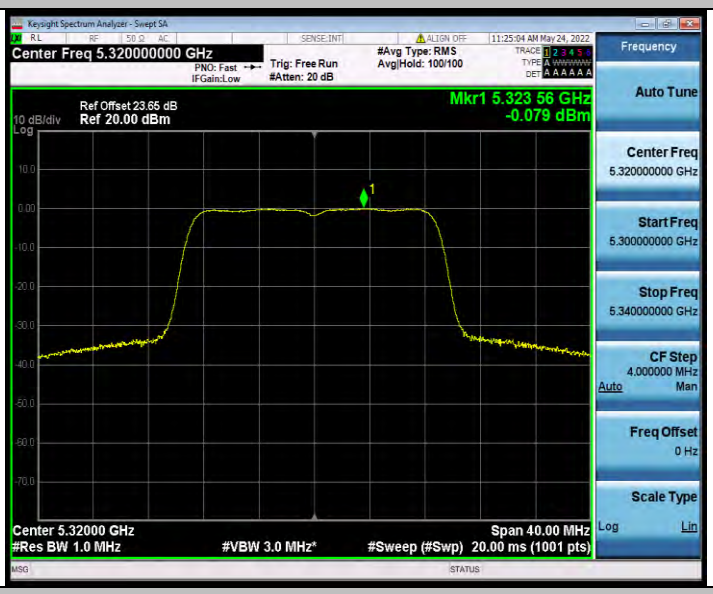


11N20SISO_Ant1_5260



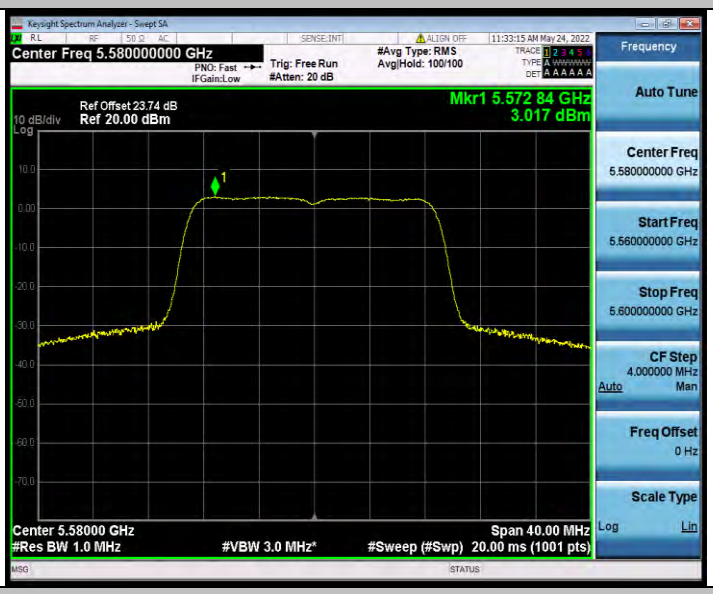
11N20SISO_Ant1_5300

11N20SISO_Ant1_5320

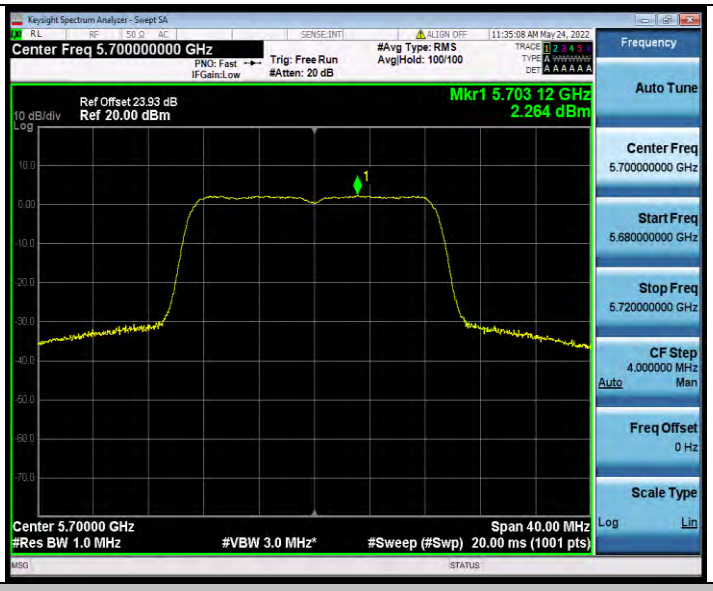


11N20SISO_Ant1_5500

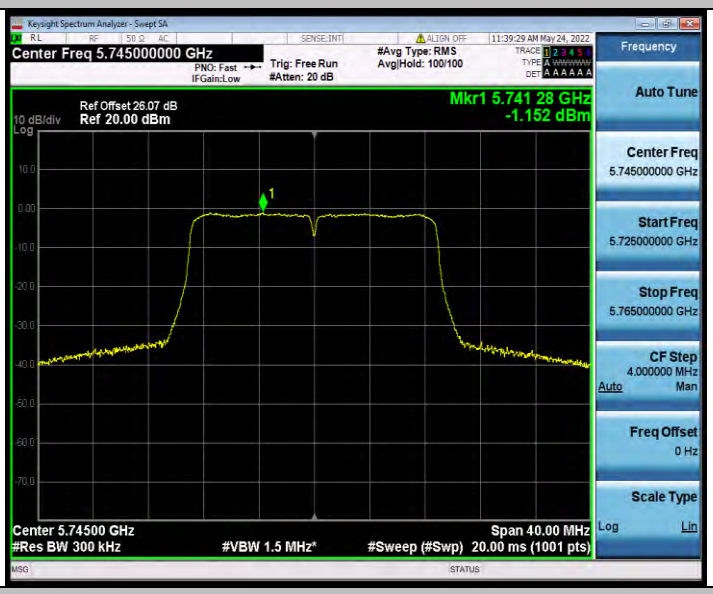
11N20SISO_Ant1_5580



11N20SISO_Ant1_5700

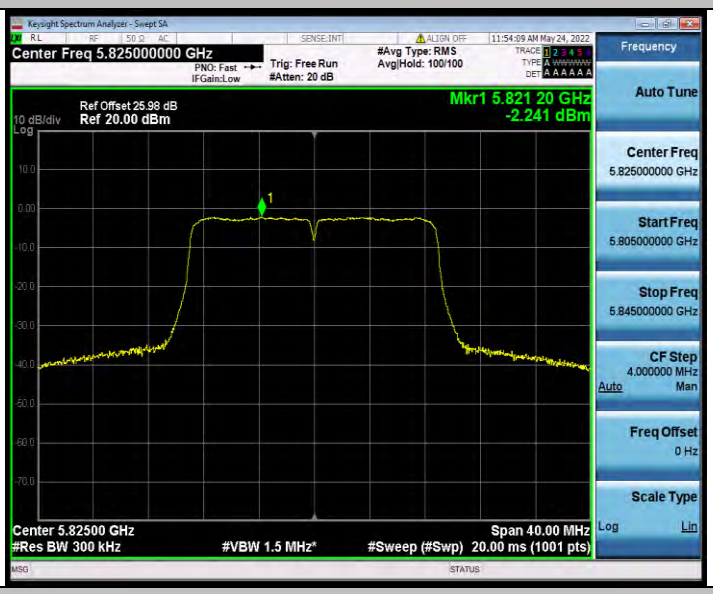


11N20SISO_Ant1_5745

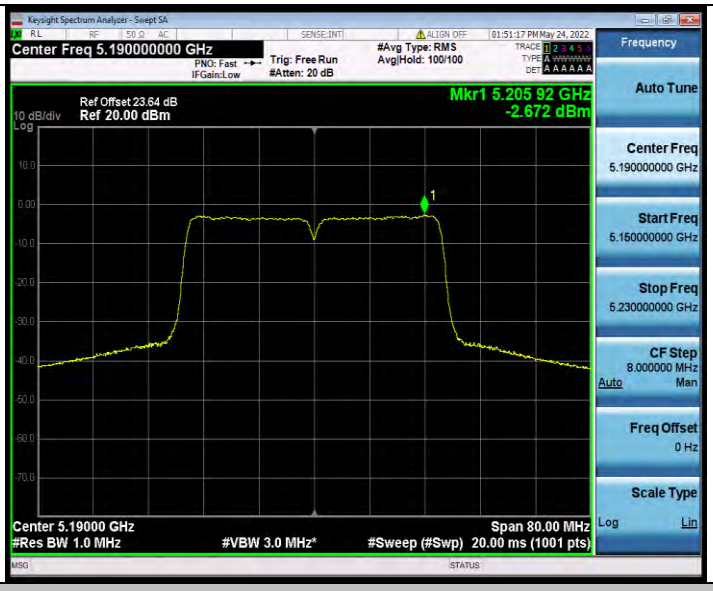


11N20SISO_Ant1_5785

11N20SISO_Ant1_5825



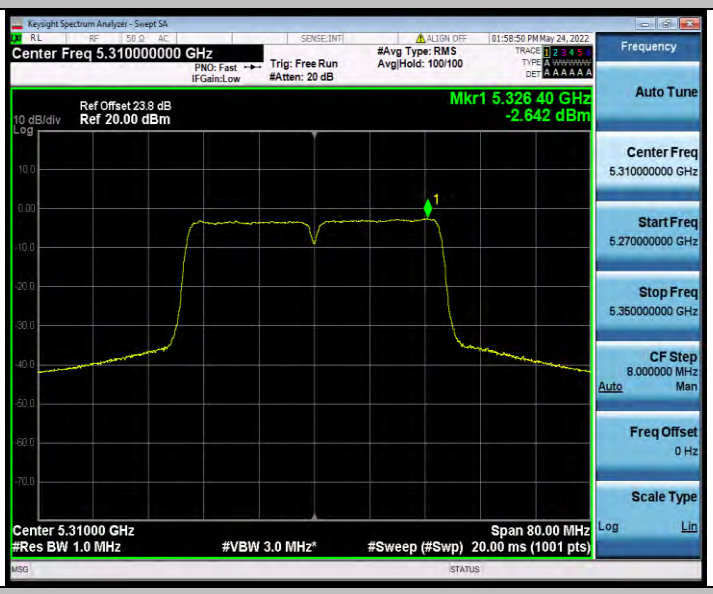
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

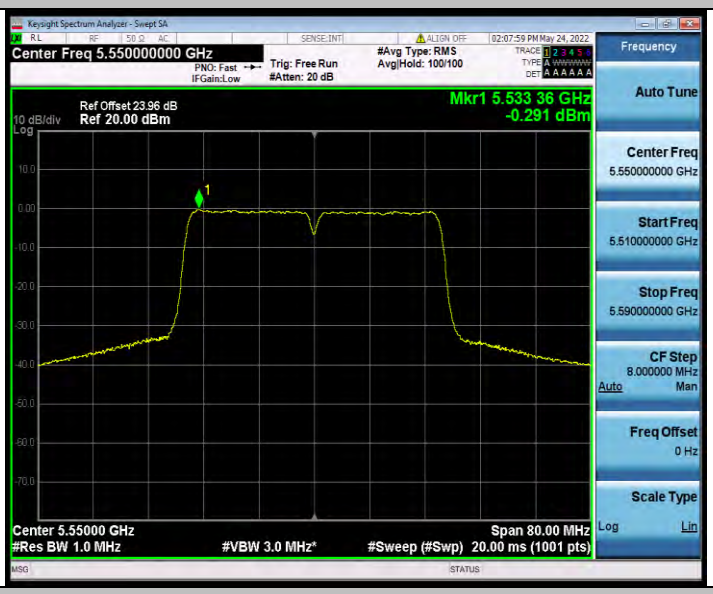
11N40SISO_Ant1_5270

11N40SISO_Ant1_5310

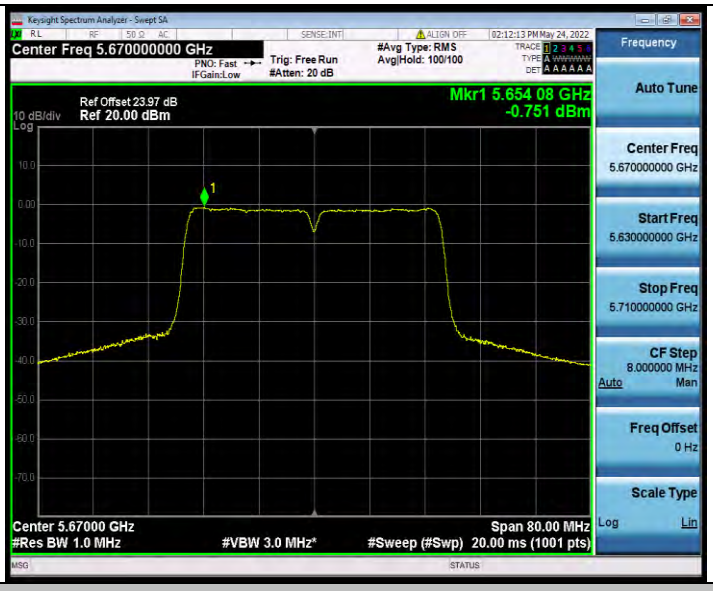


11N40SISO_Ant1_5510

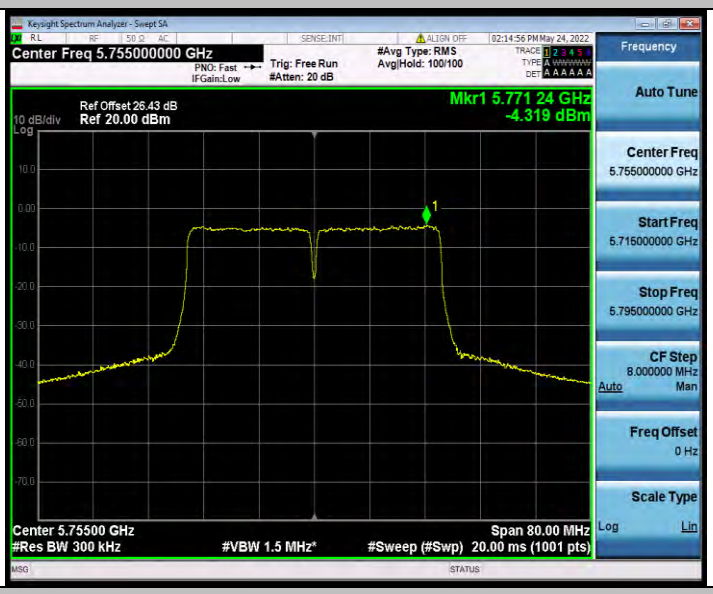
11N40SISO_Ant1_5550



11N40SISO_Ant1_5670

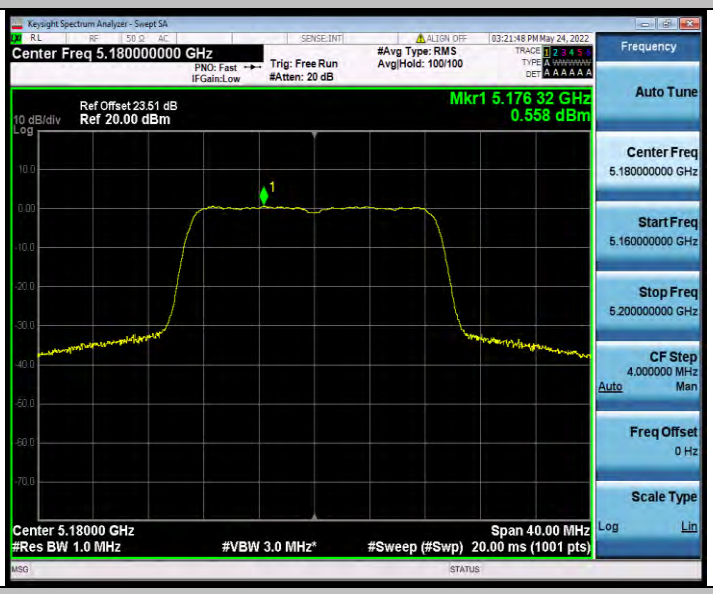


11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

11AC20SISO_Ant1_5180



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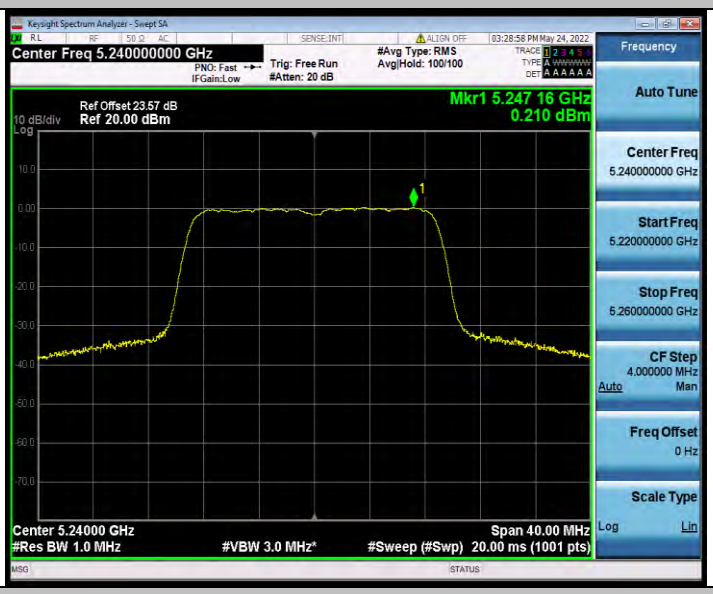
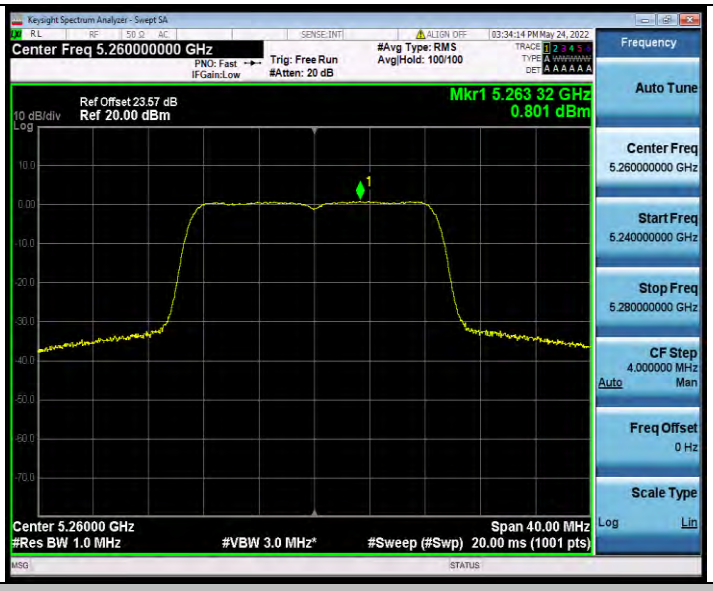
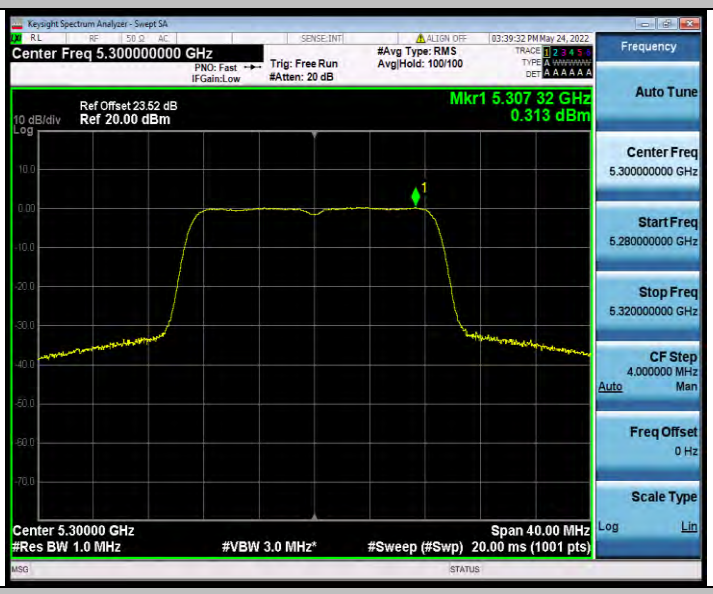
11AC20SISO_Ant1_5240



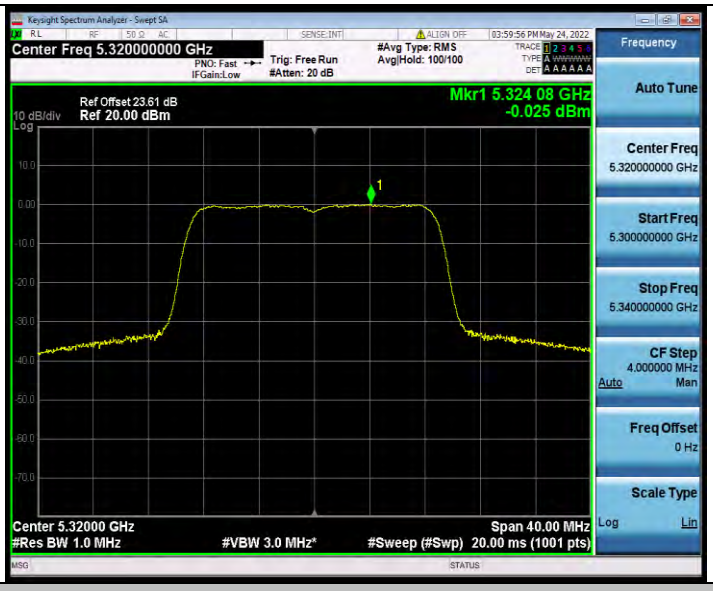
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5300

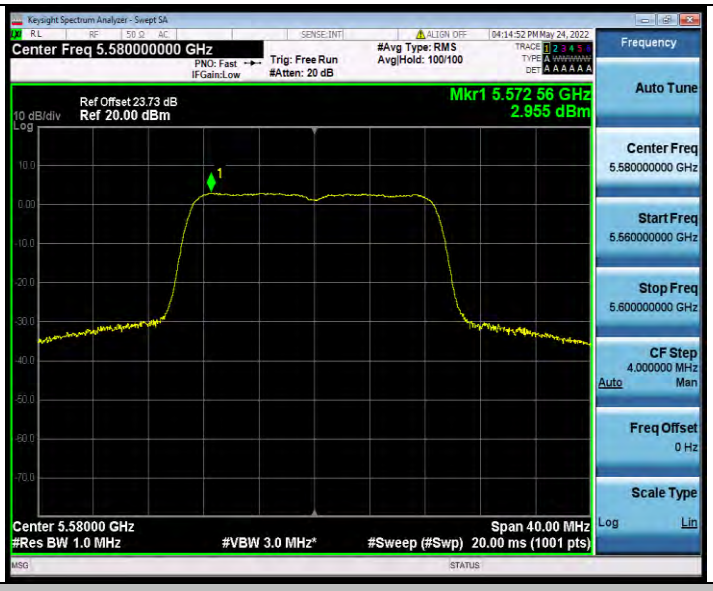


11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500

11AC20SISO_Ant1_5580



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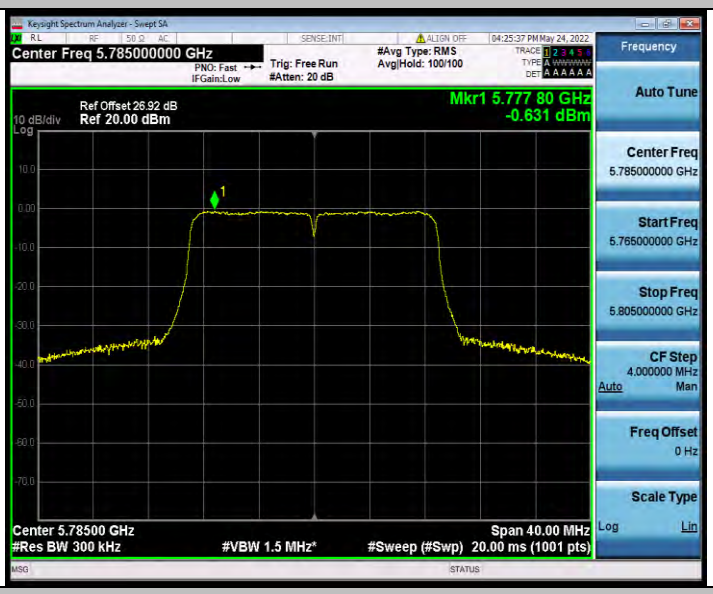
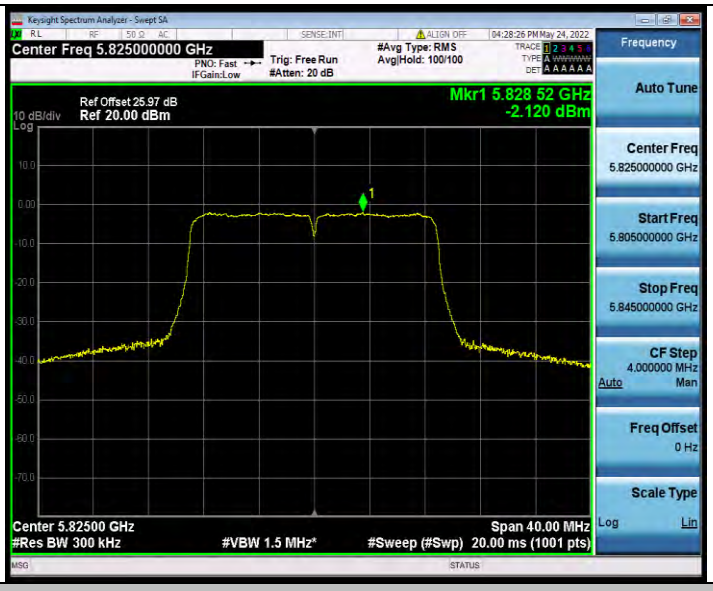
11AC20SISO_Ant1_5745

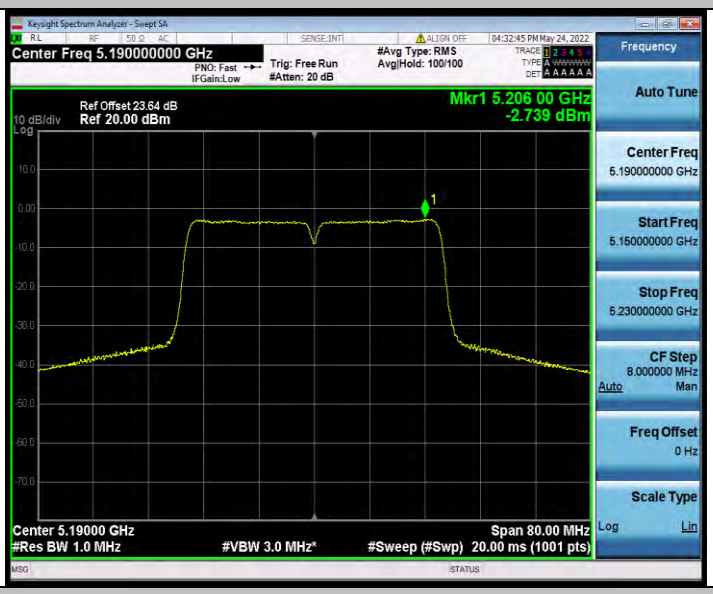
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

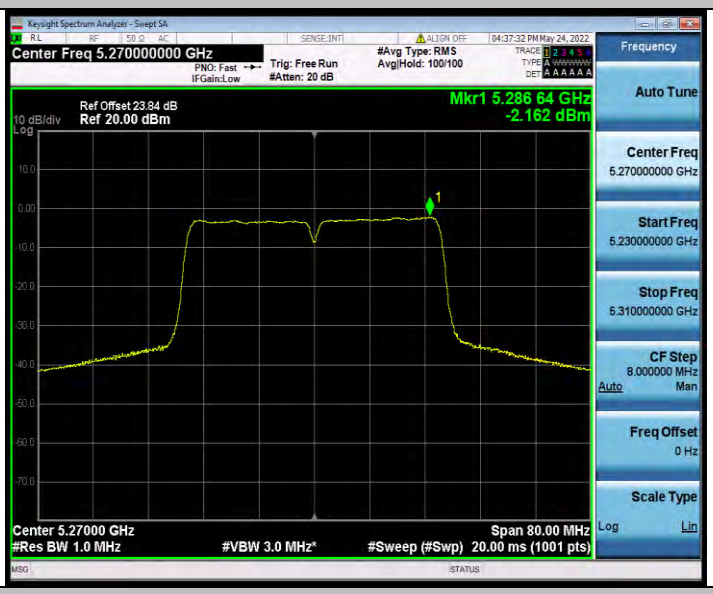


11AC40SISO_Ant1_5190



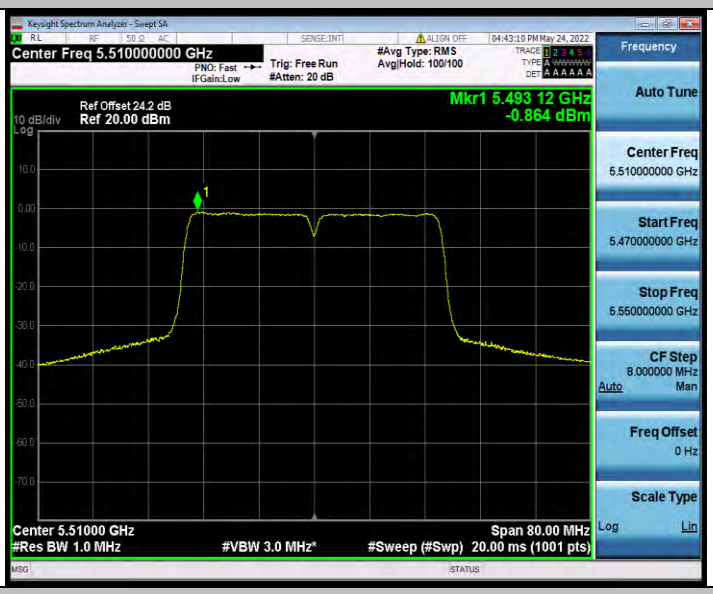
11AC40SISO_Ant1_5230

11AC40SISO_Ant1_5270

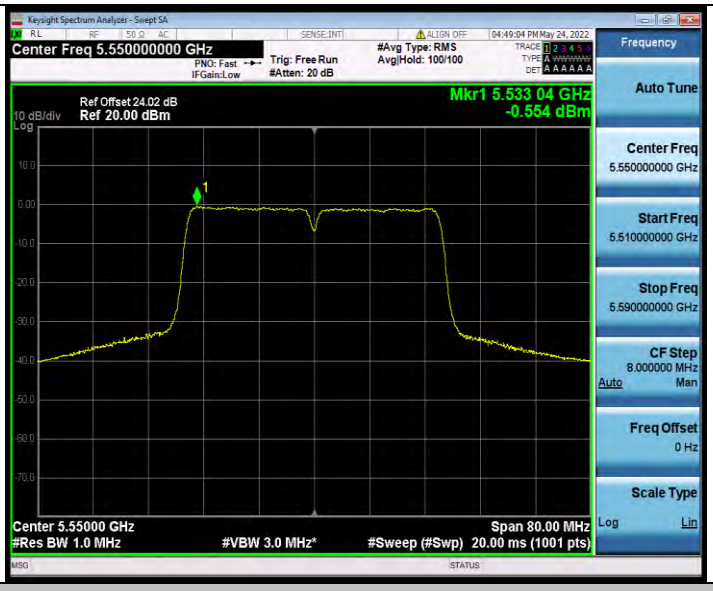


11AC40SISO_Ant1_5310

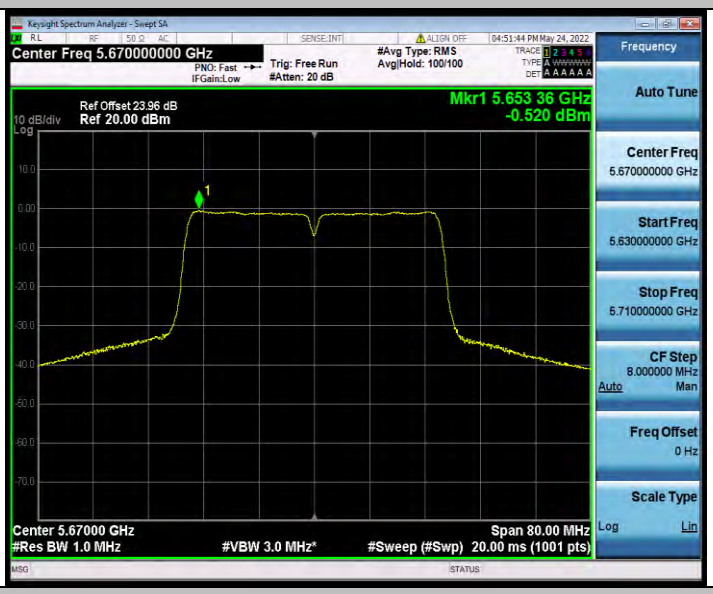
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550

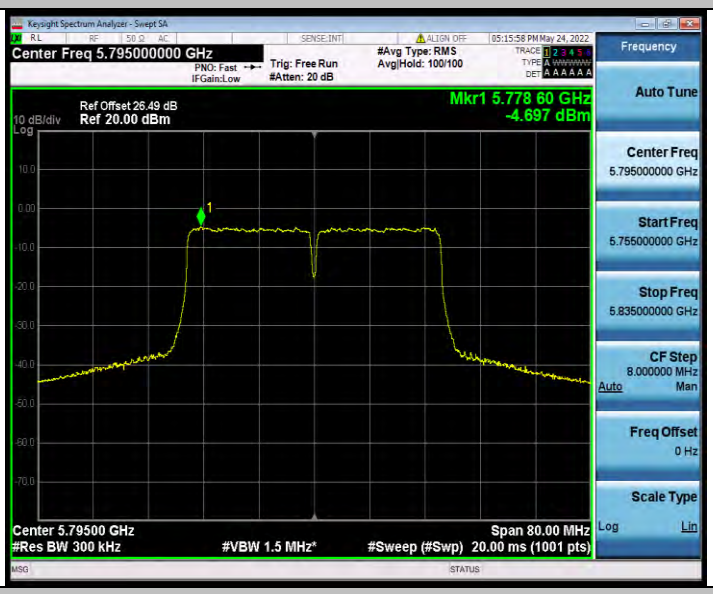


11AC40SISO_Ant1_5670



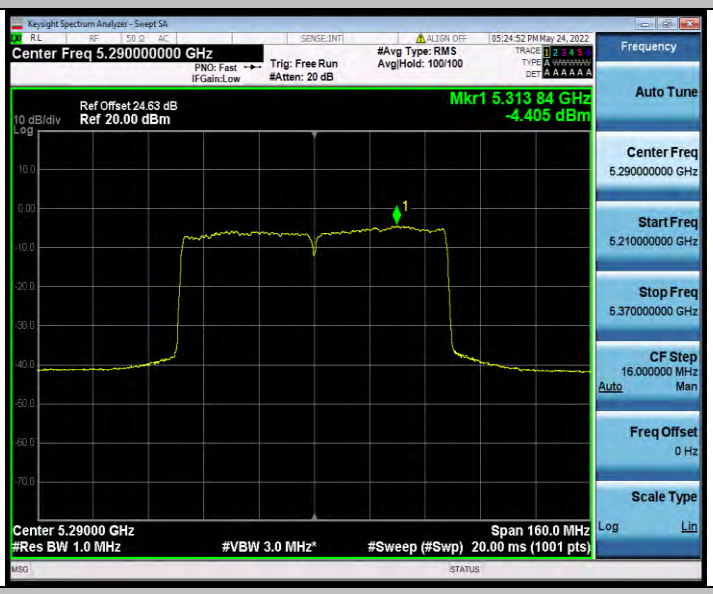
11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210

11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530

11AC80SISO_Ant1_5610

11AC80SISO_Ant1_5775

Keysight Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 100/100
05:38:04 PM May 24, 2022
Ref Offset 26.92 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.797 40 GHz
-7.129 dBm
Center 5.77500 GHz
#Res BW 300 kHz
#VBW 1.5 MHz*
Span 160.0 MHz
#Sweep (#Swp) 20.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin

7 APPENDIX B

ACROSS BAND

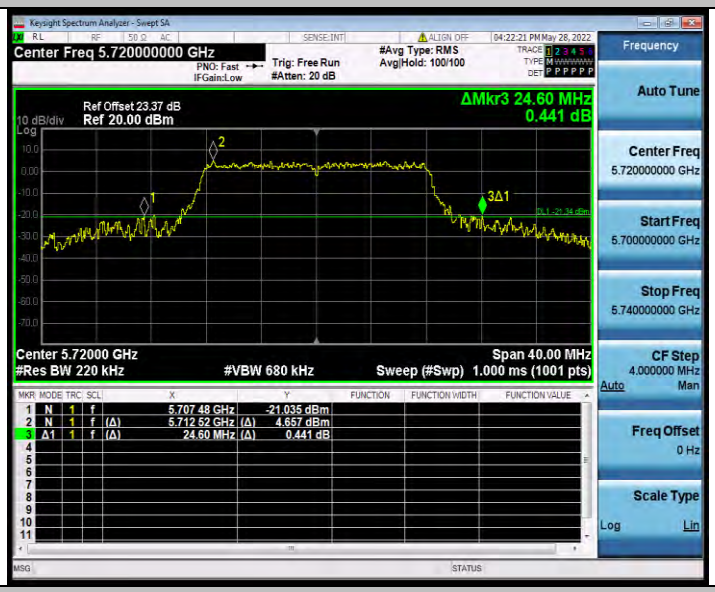
EMISSION BANDWIDTH

TEST RESULT

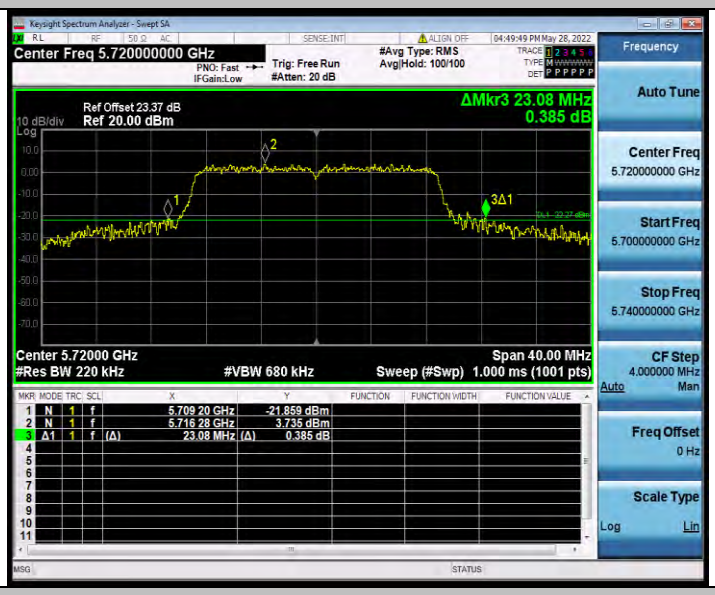
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	24.600	5707.480	5732.080	---	---
		5720_UNII-2C	17.52	5707.480	5725	---	---
		5720_UNII-3	7.08	5725	5732.080	---	---
11N20SISO	Ant1	5720	23.080	5709.200	5732.280	---	---
		5720_UNII-2C	15.8	5709.200	5725	---	---
		5720_UNII-3	7.28	5725	5732.280	---	---
11N40SISO	Ant1	5710	39.520	5690.320	5729.840	---	---
		5710_UNII-2C	34.68	5690.320	5725	---	---
		5710_UNII-3	4.84	5725	5729.840	---	---
11AC20SISO	Ant1	5720	26.000	5706.040	5732.040	---	---
		5720_UNII-2C	18.96	5706.040	5725	---	---
		5720_UNII-3	7.04	5725	5732.040	---	---
11AC40SISO	Ant1	5710	42.240	5690.160	5732.400	---	---
		5710_UNII-2C	34.84	5690.160	5725	---	---
		5710_UNII-3	7.4	5725	5732.400	---	---
11AC80SISO	Ant1	5690	83.040	5649.520	5732.560	---	---
		5690_UNII-2C	75.48	5649.520	5725	---	---
		5690_UNII-3	7.56	5725	5732.560	---	---

TEST GRAPHS

11A_Ant1_5720

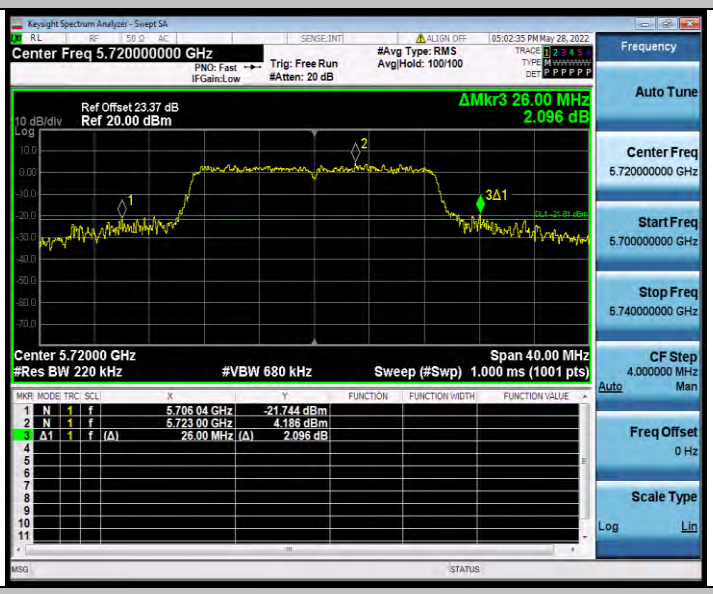


11N20SISO_Ant1_5720

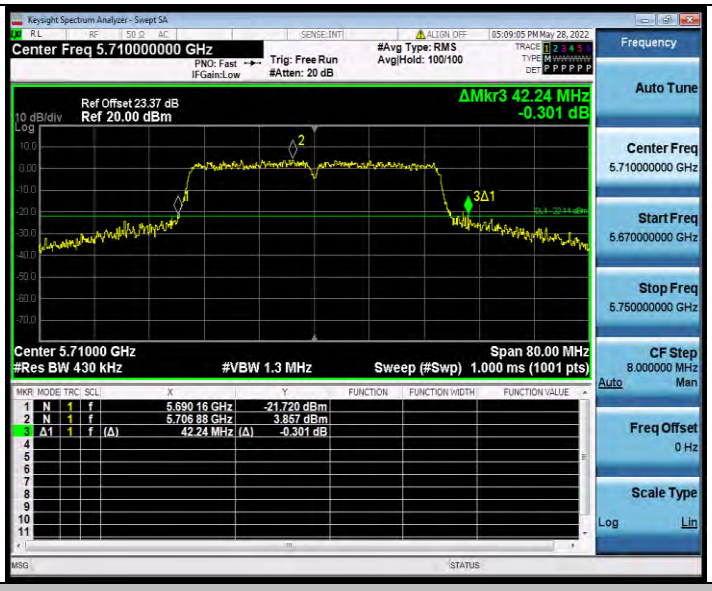


11N40SISO_Ant1_5710

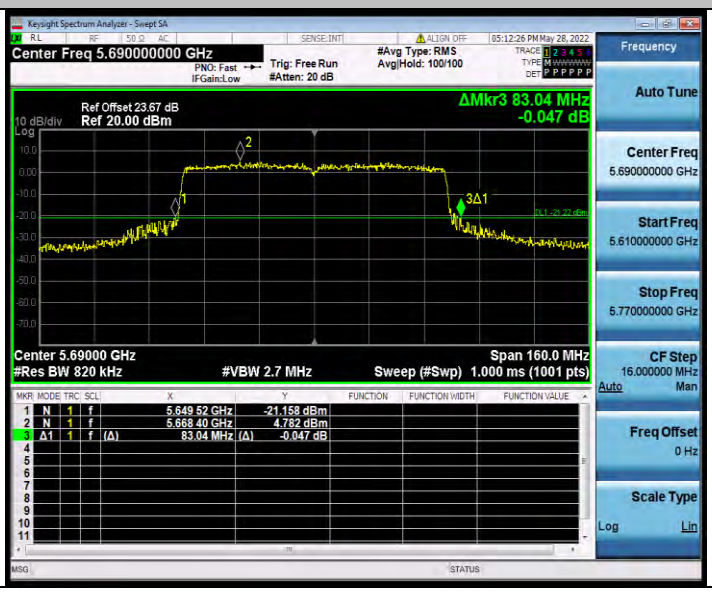
11AC20SISO_Ant1_5720



11AC40SISO_Ant1_5710



11AC80SISO_Ant1_5690



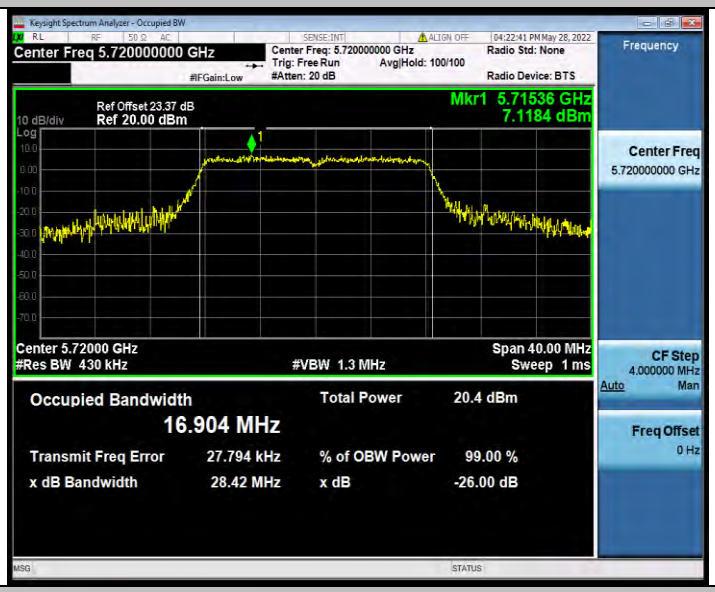
OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

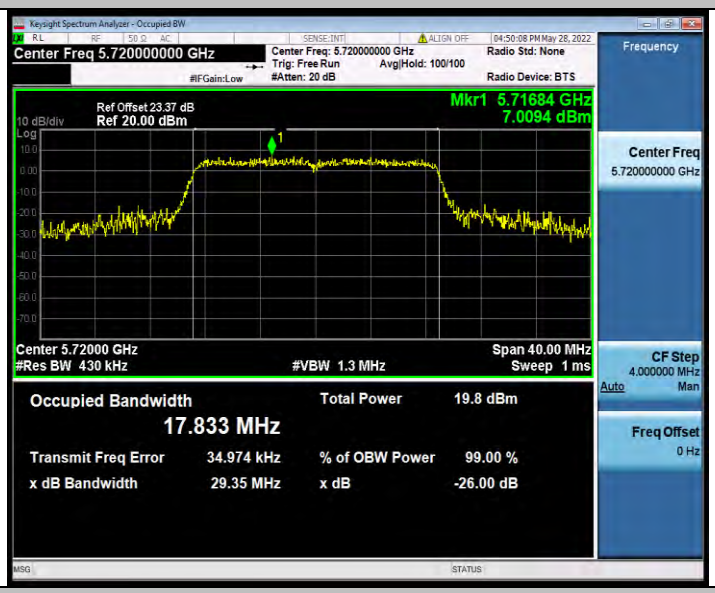
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	16.904	5711.576	5728.480	---	---
		5720_UNII-2C	13.424	5711.576	5725	---	PASS
		5720_UNII-3	3.48	5725	5728.480	---	PASS
11N20SISO	Ant1	5720	17.833	5711.118	5728.951	---	---
		5720_UNII-2C	13.882	5711.118	5725	---	PASS
		5720_UNII-3	3.951	5725	5728.951	---	PASS
11N40SISO	Ant1	5710	36.160	5691.939	5728.099	---	---
		5710_UNII-2C	33.061	5691.939	5725	---	PASS
		5710_UNII-3	3.099	5725	5728.099	---	PASS
11AC20SISO	Ant1	5720	17.809	5711.101	5728.910	---	---
		5720_UNII-2C	13.899	5711.101	5725	---	PASS
		5720_UNII-3	3.91	5725	5728.910	---	PASS
11AC40SISO	Ant1	5710	36.160	5691.937	5728.097	---	---
		5710_UNII-2C	33.063	5691.937	5725	---	PASS
		5710_UNII-3	3.097	5725	5728.097	---	PASS
11AC80SISO	Ant1	5690	75.916	5652.079	5727.995	---	---
		5690_UNII-2C	72.921	5652.079	5725	---	PASS
		5690_UNII-3	2.995	5725	5727.995	---	PASS

TEST GRAPHS

11A_Ant1_5720

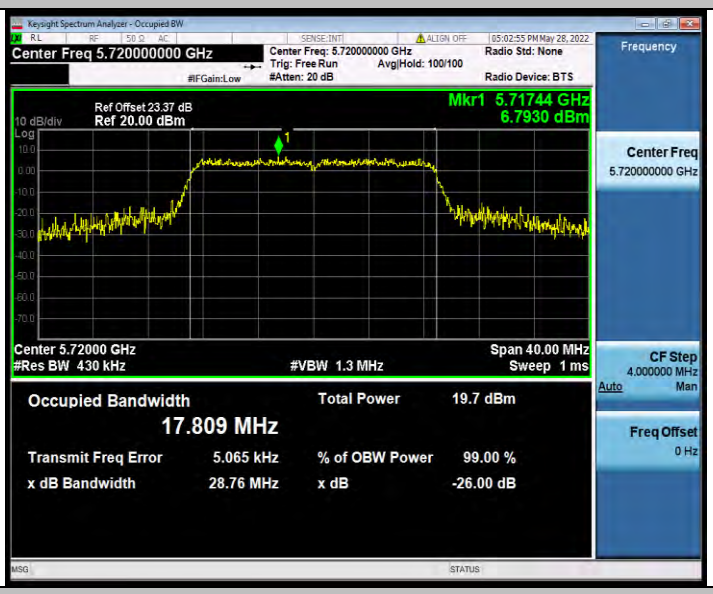


11N20SISO_Ant1_5720



11N40SISO_Ant1_5710

11AC20SISO_Ant1_5720



11AC40SISO_Ant1_5710

11AC80SISO_Ant1_5690

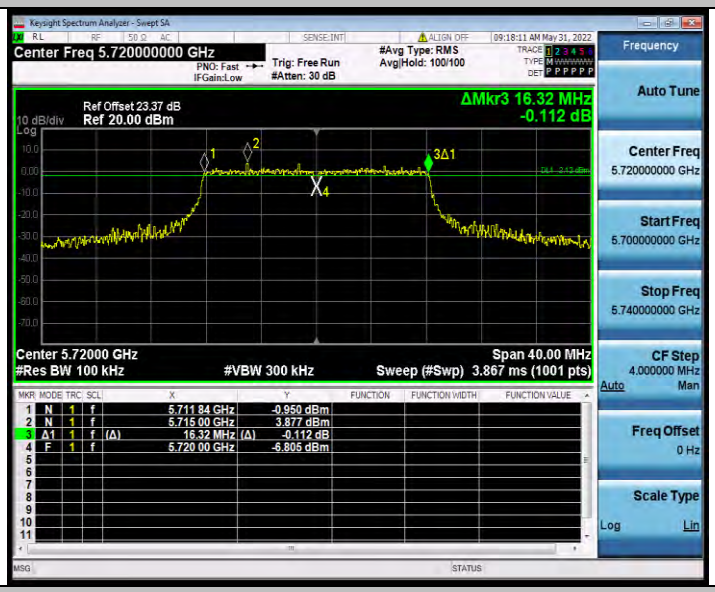
MIN EMISSION BANDWIDTH

TEST RESULT B4

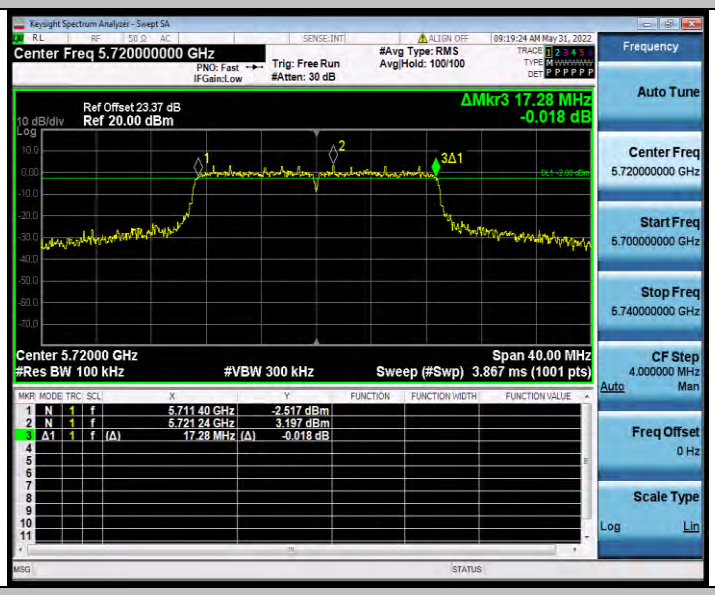
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720_UNII-3	3.16	5725	5728.160	0.5	PASS
11N20SISO	Ant1	5720_UNII-3	3.68	5725	5728.680	0.5	PASS
11N40SISO	Ant1	5710_UNII-3	2.92	5725	5727.920	0.5	PASS
11AC20SISO	Ant1	5720_UNII-3	3.64	5725	5728.640	0.5	PASS
11AC40SISO	Ant1	5710_UNII-3	2.84	5725	5727.840	0.5	PASS
11AC80SISO	Ant1	5690_UNII-3	2.76	5725	5727.760	0.5	PASS

TEST GRAPHS B4

11A_Ant1_5720_UNII-3



11N20SISO_Ant1_5720_UNII-3



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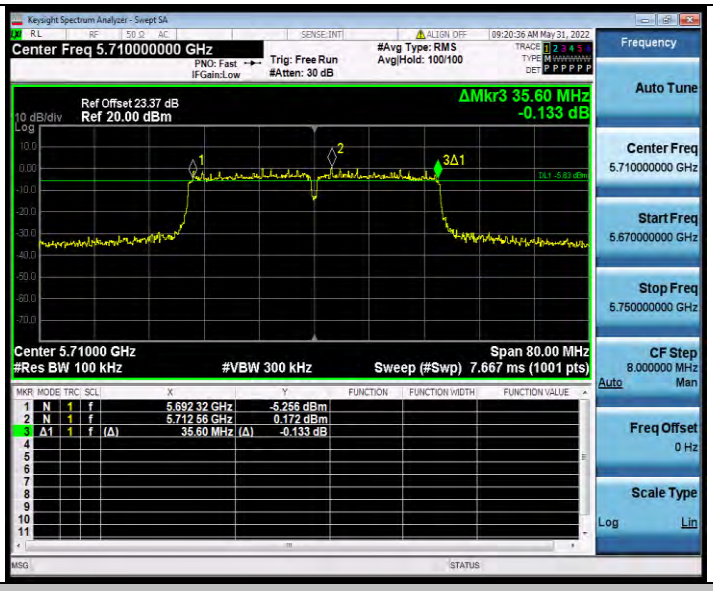

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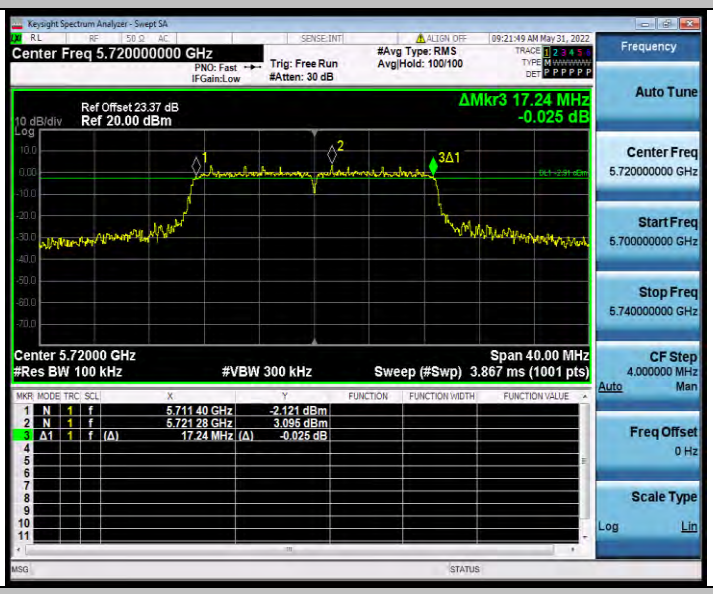

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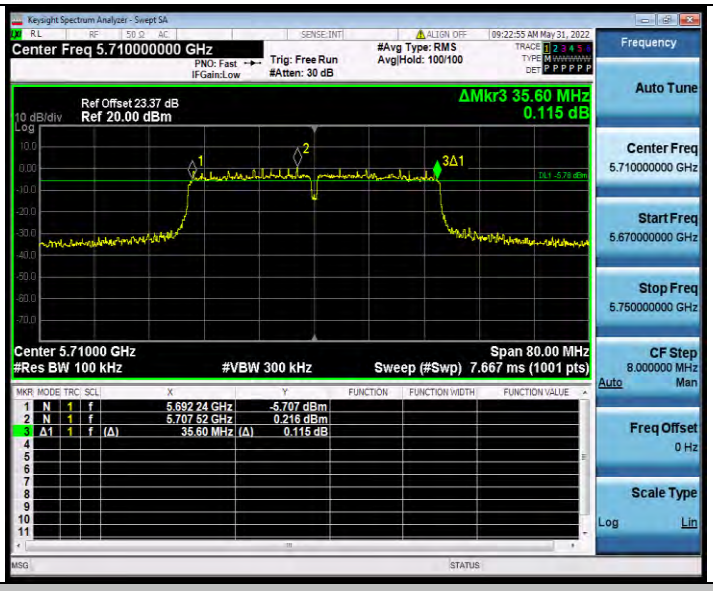
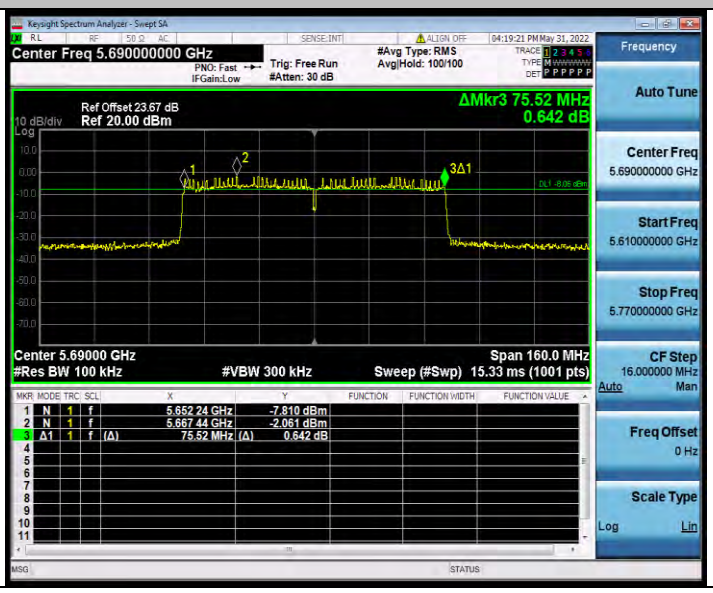


11AC80SISO_Ant1_5690_UNII-3



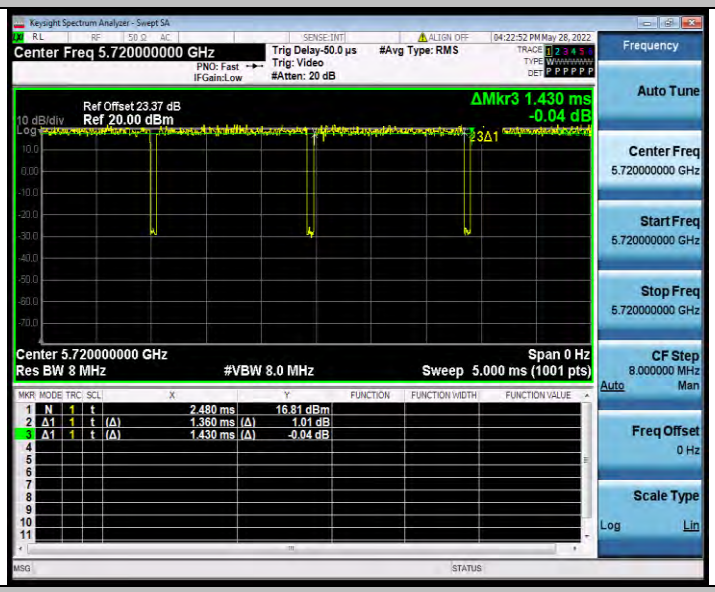
DUTY CYCLE

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5720	1.36	1.43	95.10
11N20SISO	Ant1	5720	1.15	1.22	94.26
11N40SISO	Ant1	5710	0.57	0.64	89.06
11AC20SISO	Ant1	5720	1.16	1.22	95.08
11AC40SISO	Ant1	5710	0.58	0.64	90.63
11AC80SISO	Ant1	5690	0.29	0.35	82.86

TEST GRAPHS

11A_Ant1_5720



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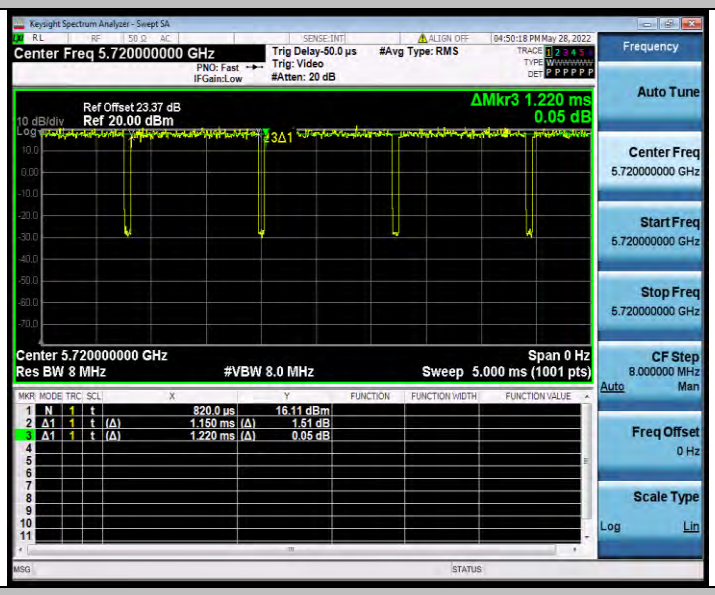

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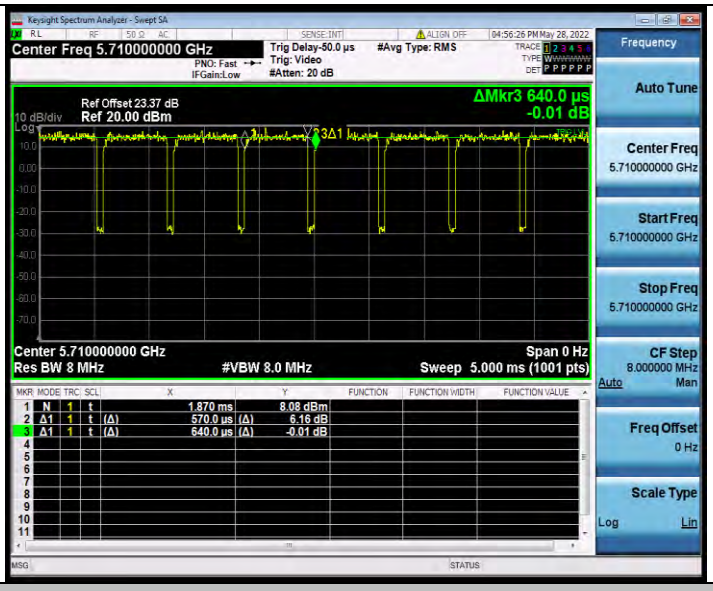

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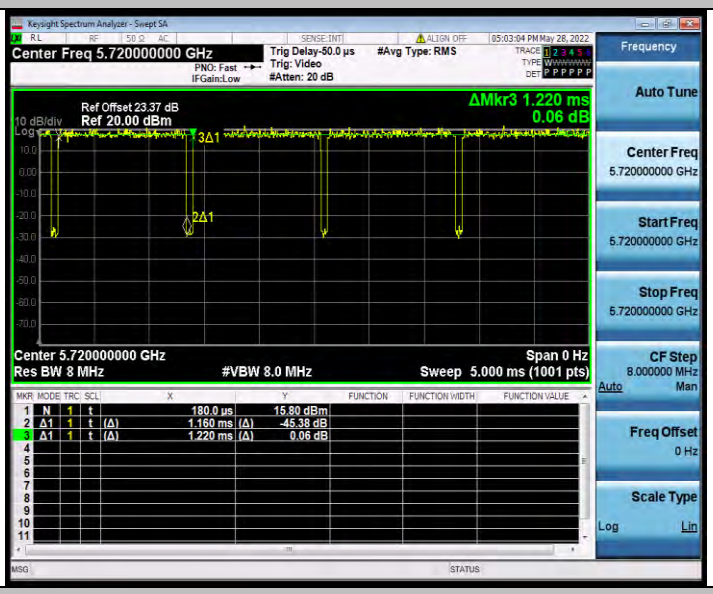
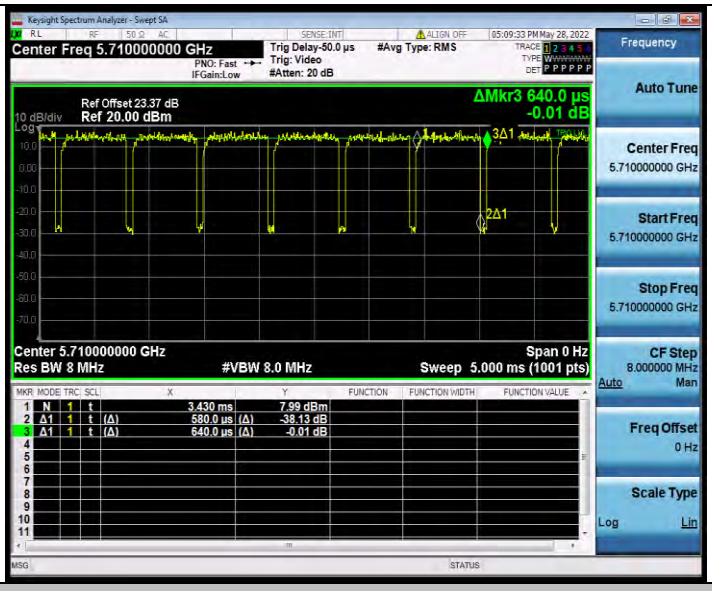
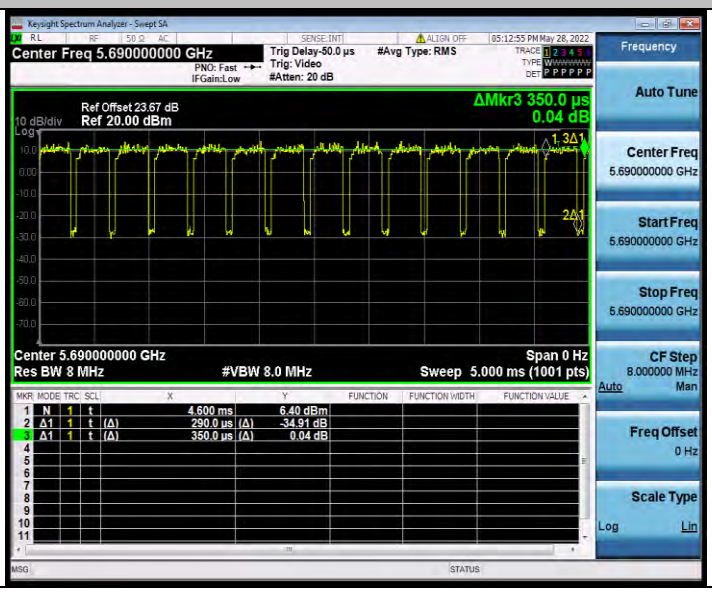


11AC40SISO_Ant1_5710



11AC80SISO_Ant1_5690



MAXIMUM POWER SPECTRAL DENSITY

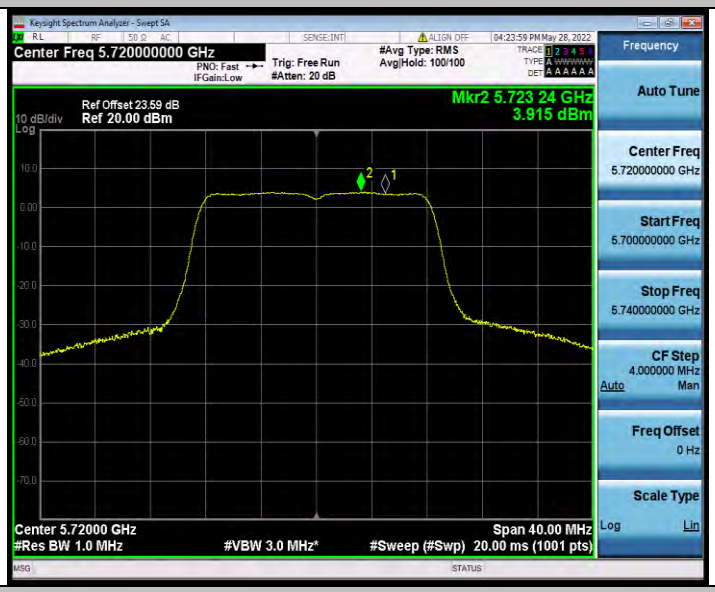
TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5720_UNII-2C	3.92	≤11.00	PASS
		5720_UNII-3	0.77	≤30.00	PASS
11N20SISO	Ant1	5720_UNII-2C	3.15	≤11.00	PASS
		5720_UNII-3	0.44	≤30.00	PASS
11N40SISO	Ant1	5710_UNII-2C	-0.14	≤11.00	PASS
		5710_UNII-3	-4.06	≤30.00	PASS
11AC20SISO	Ant1	5720_UNII-2C	3.1	≤11.00	PASS
		5720_UNII-3	0.12	≤30.00	PASS
11AC40SISO	Ant1	5710_UNII-2C	-0.38	≤11.00	PASS
		5710_UNII-3	-4.08	≤30.00	PASS
11AC80SISO	Ant1	5690_UNII-2C	-3.21	≤11.00	PASS
		5690_UNII-3	-7.06	≤30.00	PASS

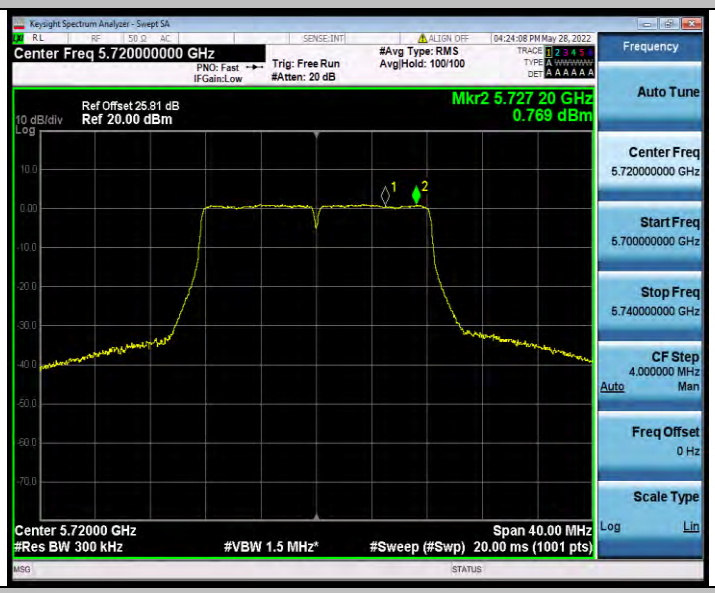
Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725-5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

TEST GRAPHS

11A_Ant1_5720_UNII-2C

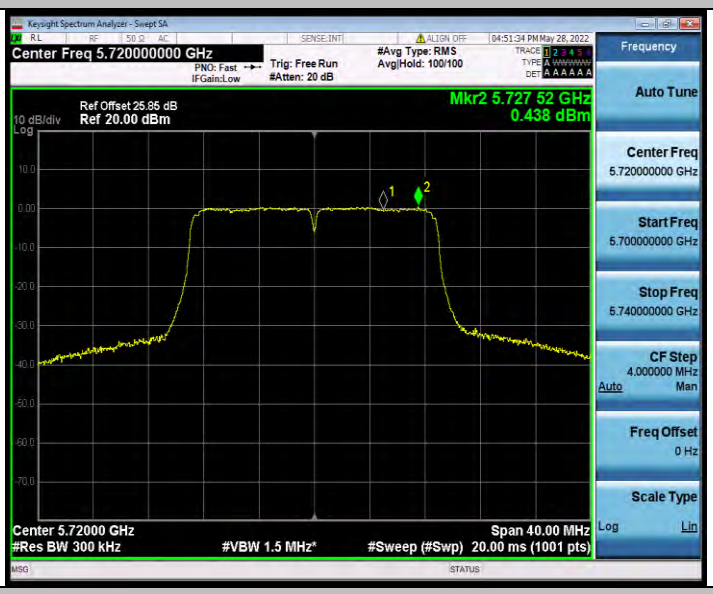


11A_Ant1_5720_UNII-3



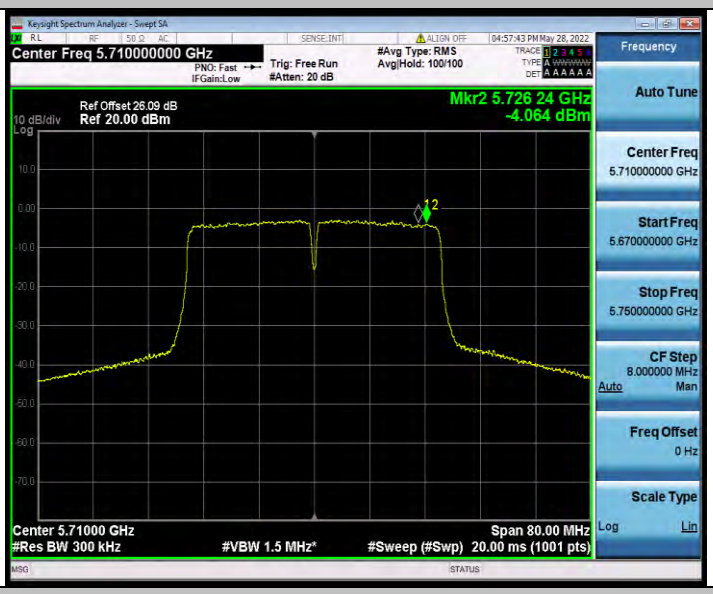
11N20SISO_Ant1_5720_UNII-2C

11N20SISO_Ant1_5720_UNII-3



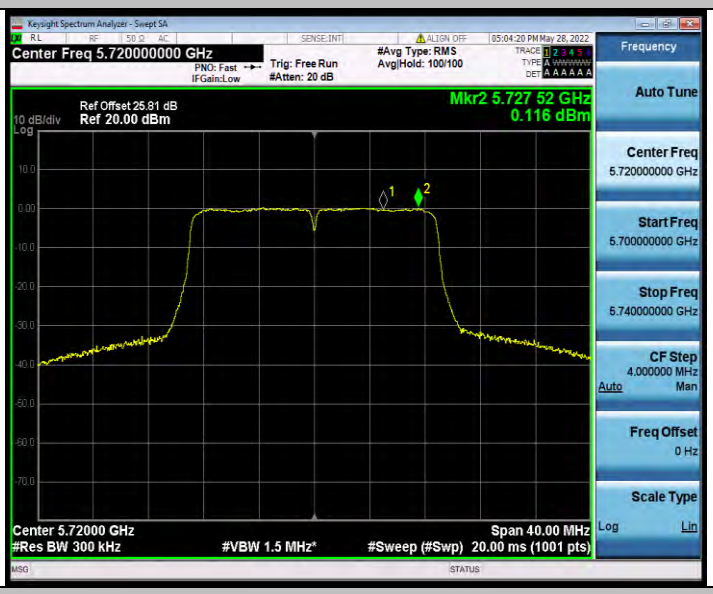
11N40SISO_Ant1_5710_UNII-2C

11N40SISO_Ant1_5710_UNII-3



11AC20SISO_Ant1_5720_UNII-2C

11AC20SISO_Ant1_5720_UNII-3



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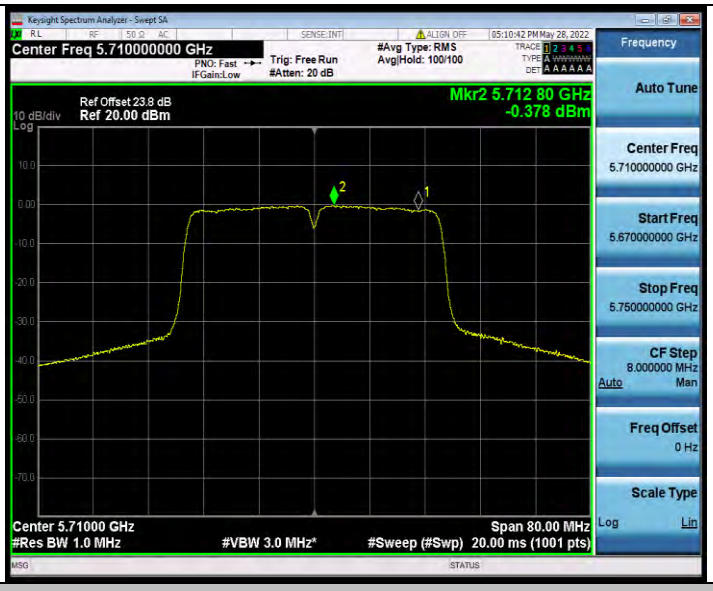

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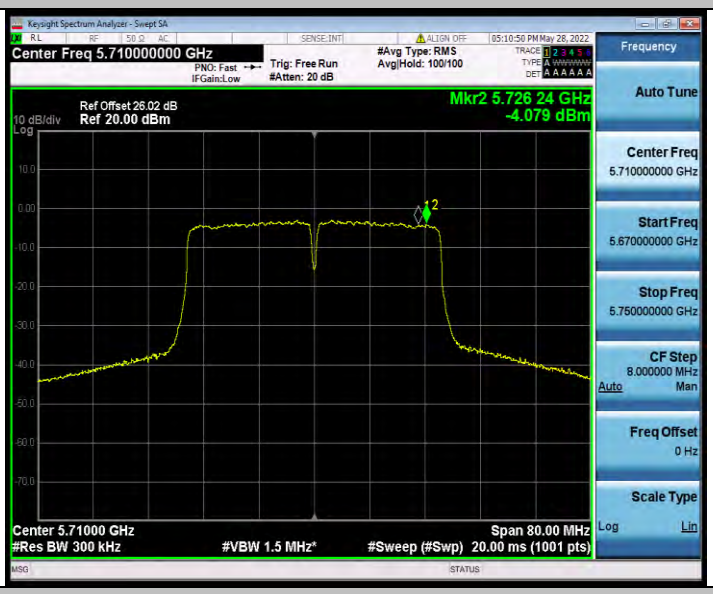
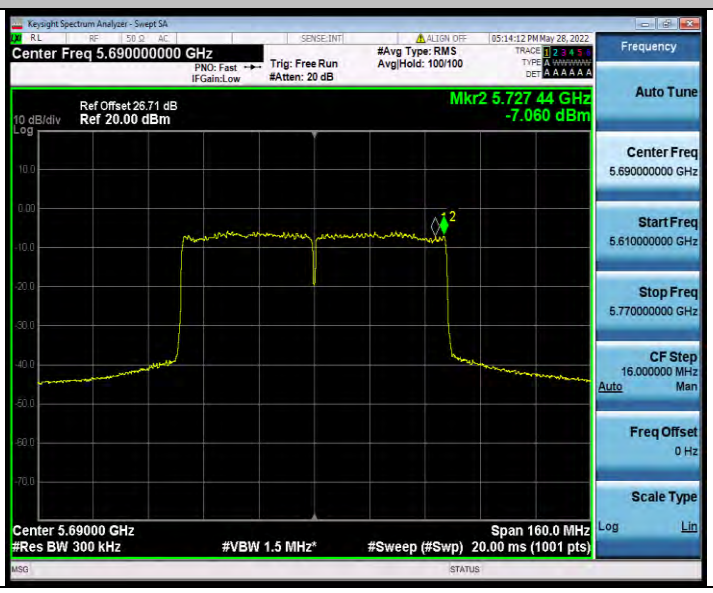


11AC80SISO_Ant1_5690_UNII-2C

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