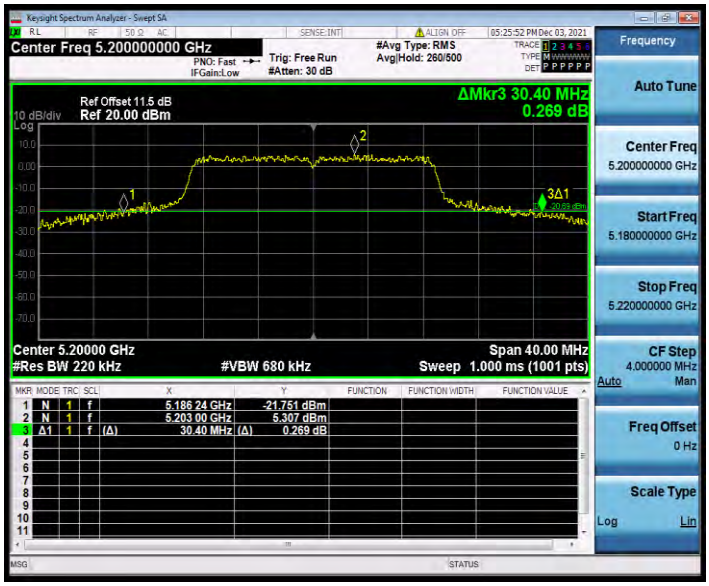
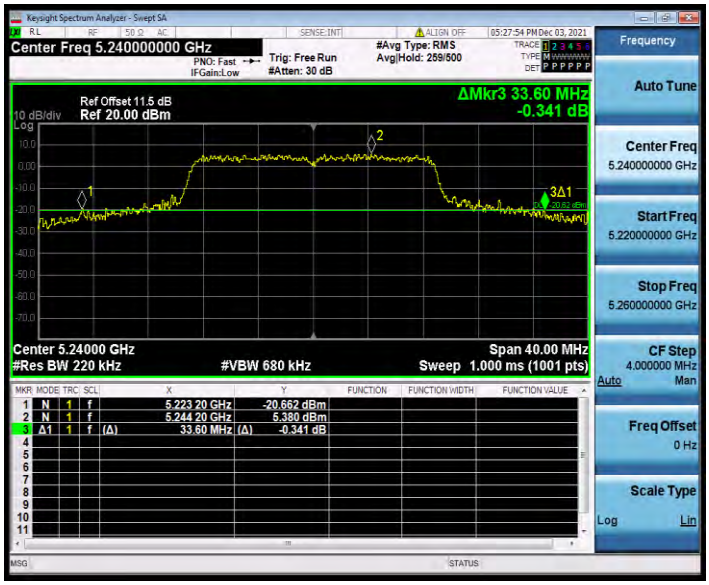
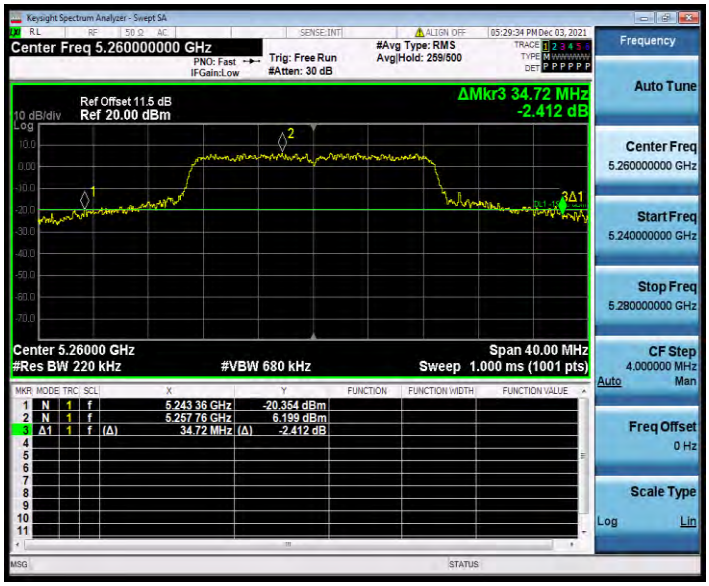


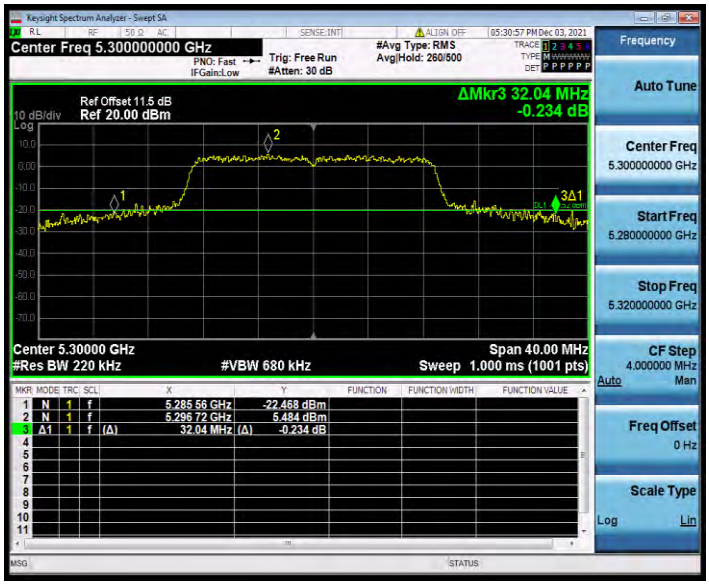
11AC20SISO_Ant1_5240



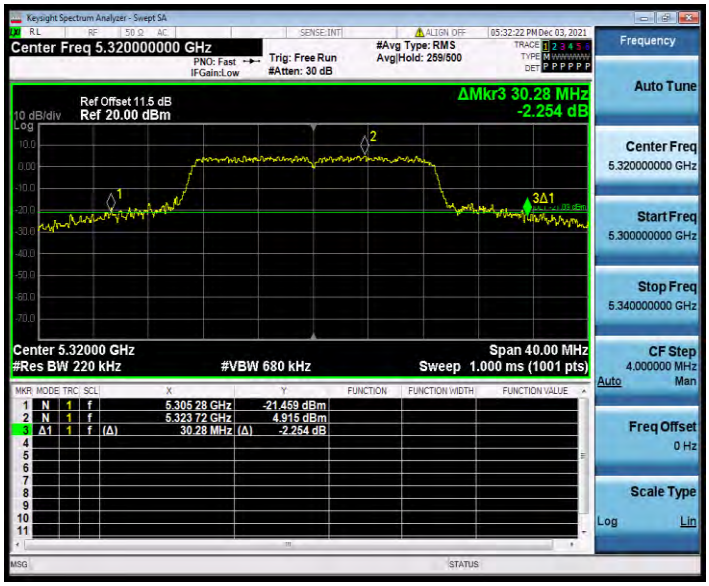
11AC20SISO_Ant1_5260



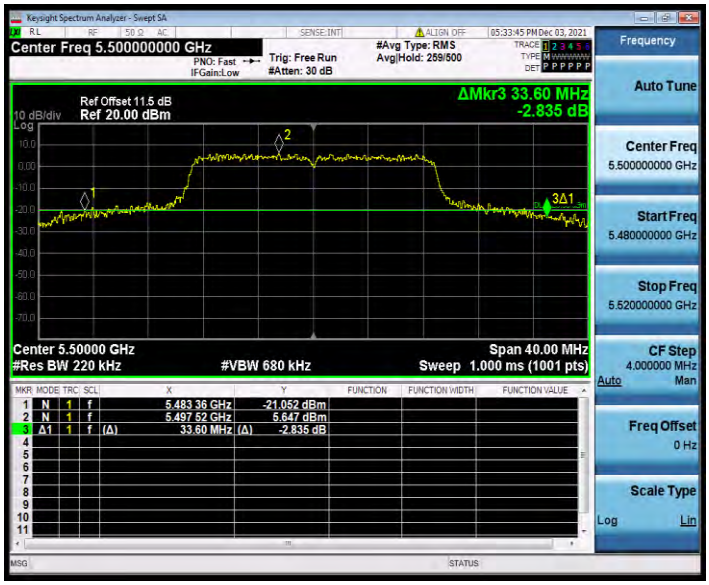
11AC20SISO_Ant1_5300



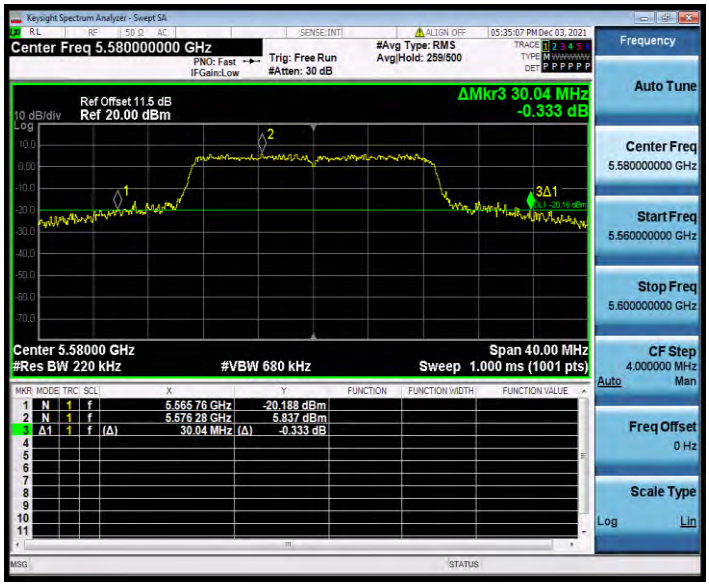
11AC20SISO_Ant1_5320



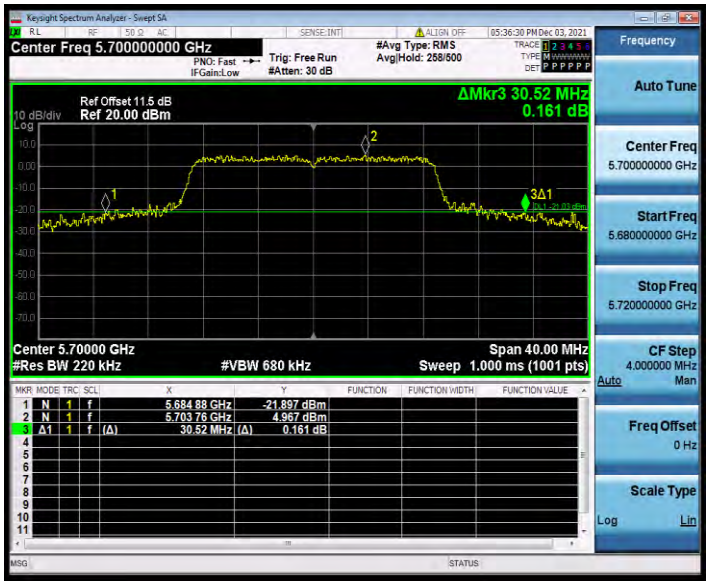
11AC20SISO_Ant1_5500



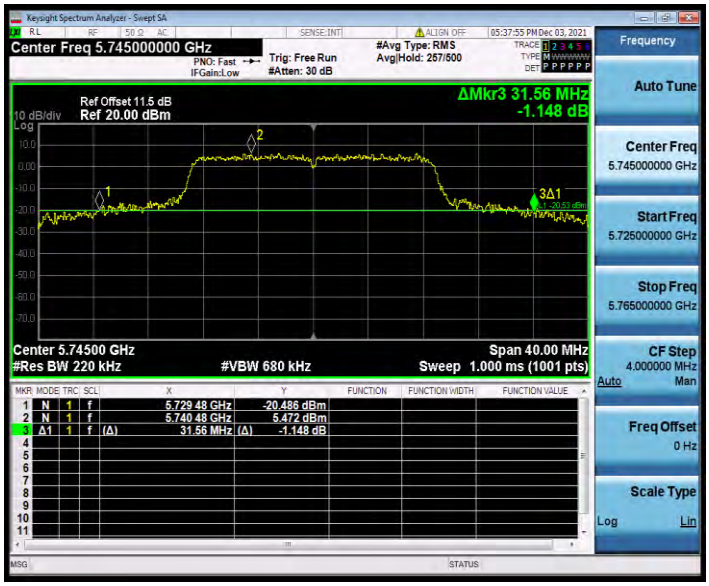
11AC20SISO_Ant1_5580



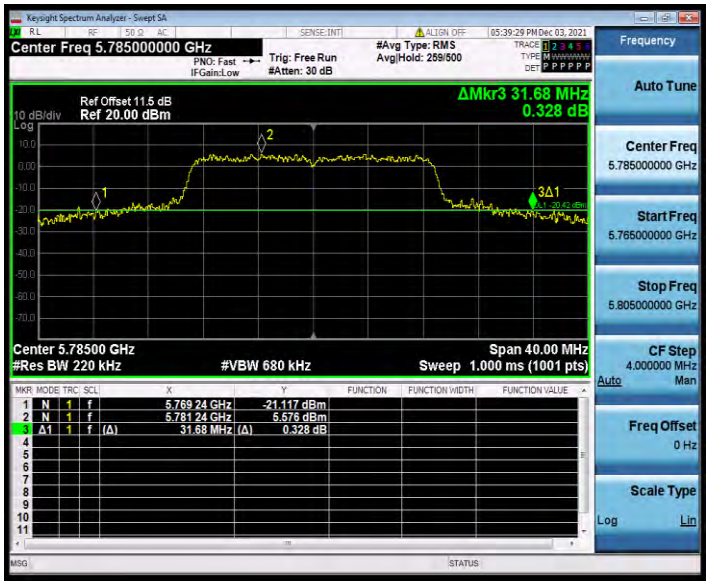
11AC20SISO_Ant1_5700



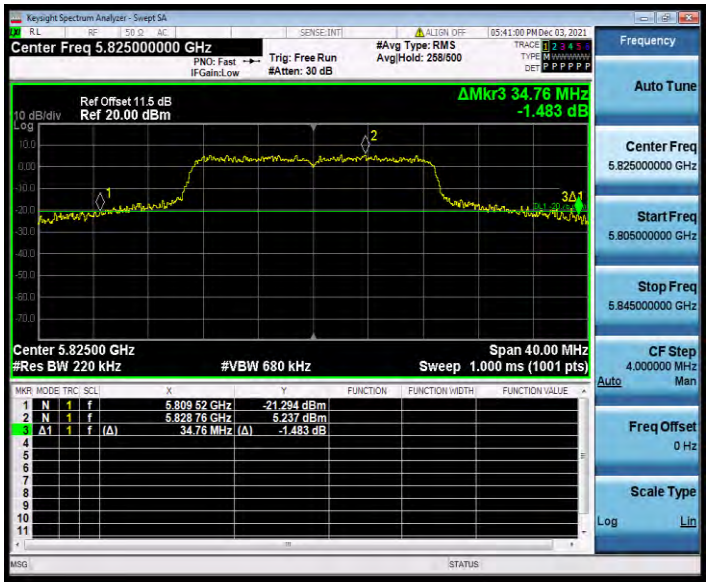
11AC20SISO_Ant1_5745



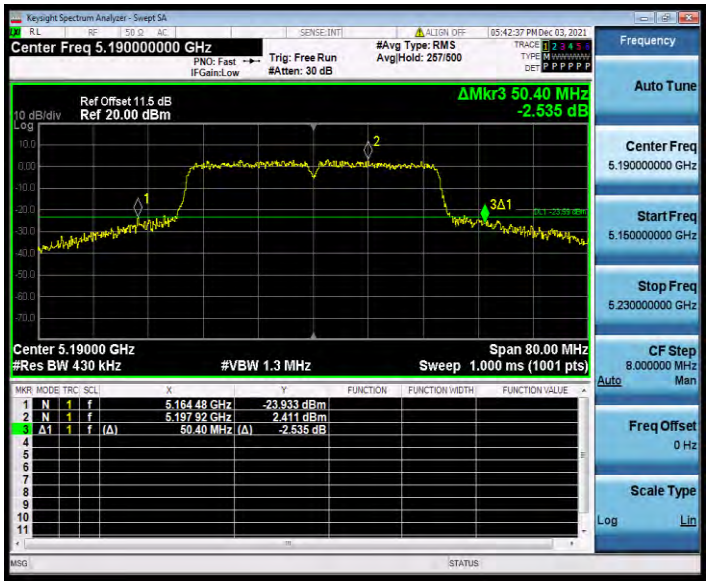
11AC20SISO_Ant1_5785



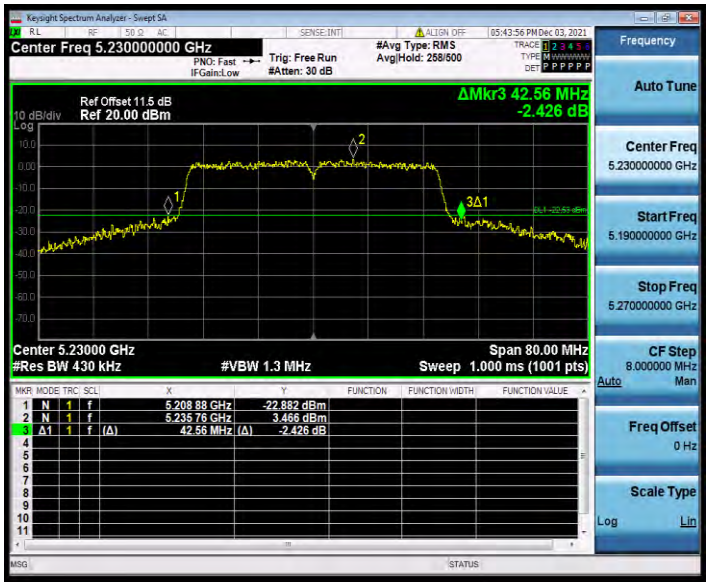
11AC20SISO_Ant1_5825



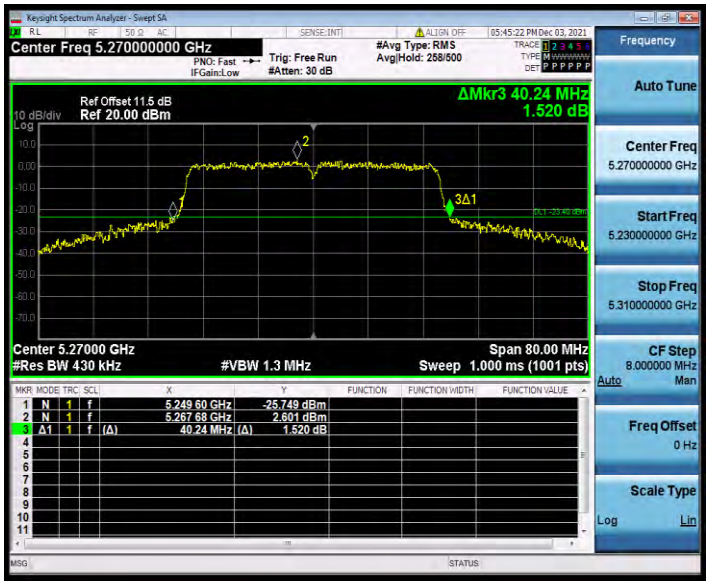
11AC40SISO_Ant1_5190



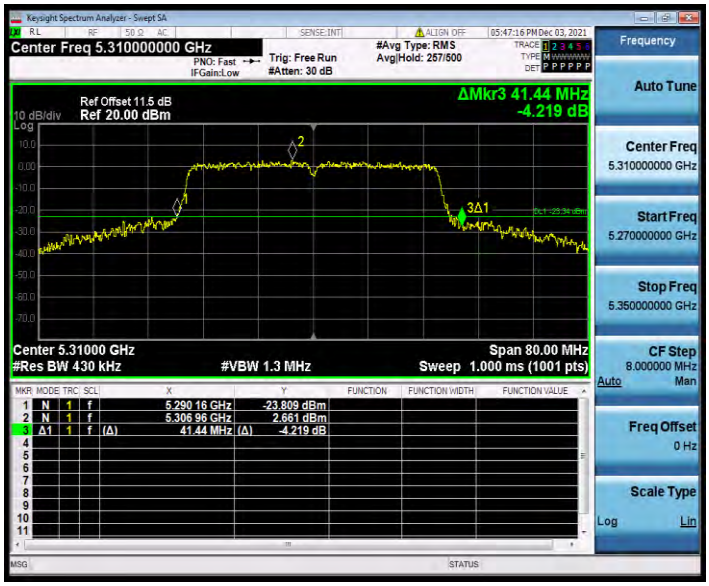
11AC40SISO_Ant1_5230



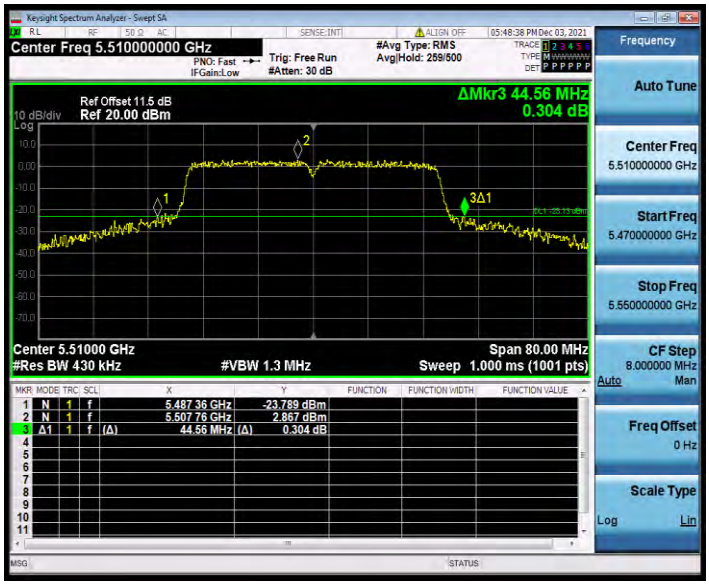
11AC40SISO_Ant1_5270



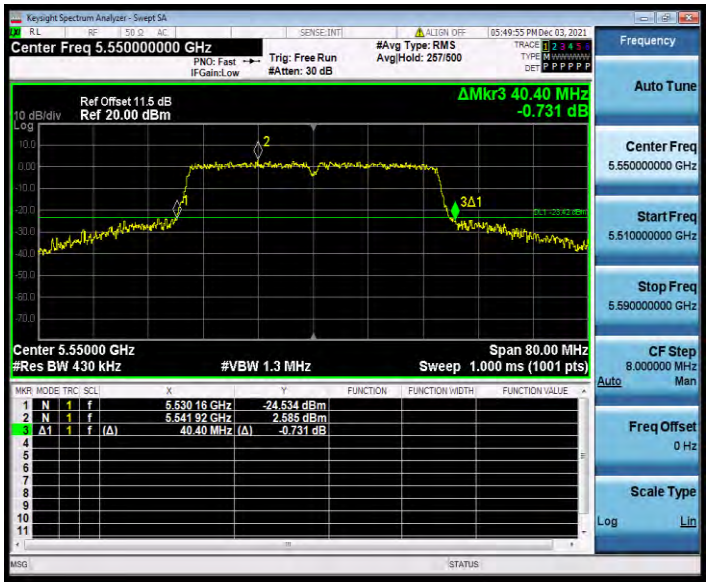
11AC40SISO_Ant1_5310



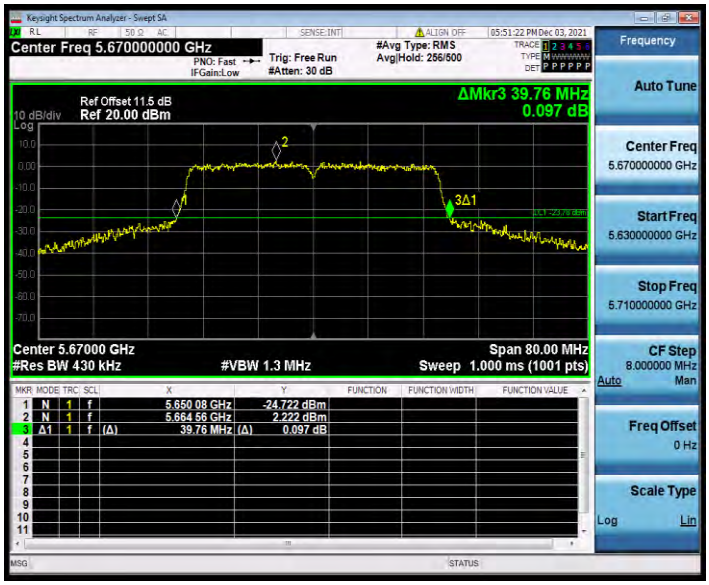
11AC40SISO_Ant1_5510



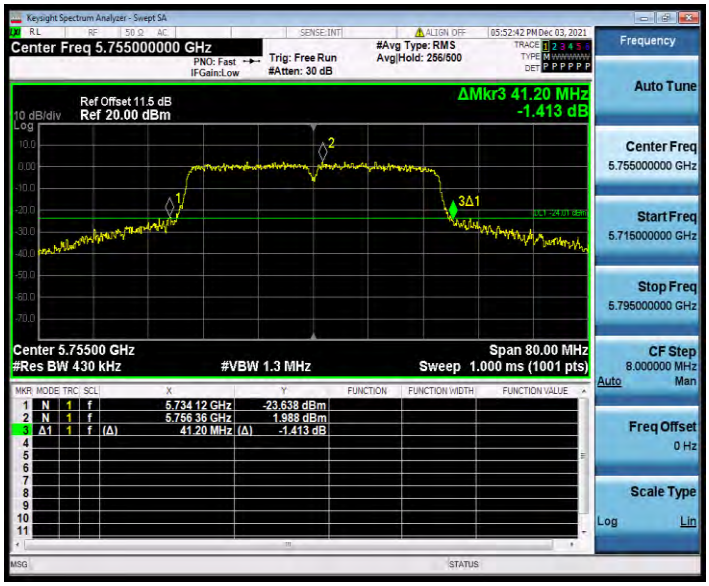
11AC40SISO_Ant1_5550



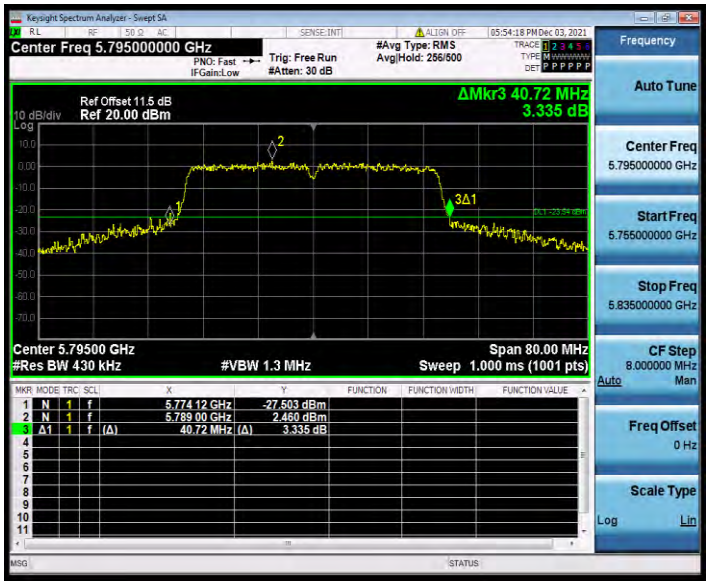
11AC40SISO_Ant1_5670



11AC40SISO_Ant1_5755

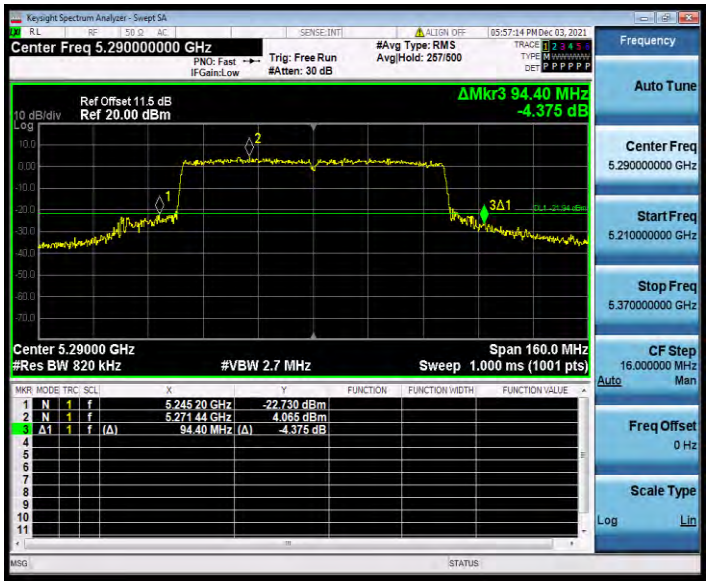


11AC40SISO_Ant1_5795



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: 30 dB
#Avg Type: RMS
Avg|Hold: 258/500
06:01:02 PM Dec 03, 2021
Ref Offset 11.5 dB
10 dB/div Ref 20.00 dBm
Log
ΔMkr3 84.64 MHz
-1.633 dB
Center 5.77500 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 160.0 MHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.733 40 GHz -21.420 dBm
2 N 1 f 5.751 96 GHz 4.544 dBm
3 Δ1 1 f (Δ) 84.64 MHz (Δ) -1.633 dB
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

OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.366	5171.358	5188.724	---	PASS
		5200	17.354	5191.387	5208.741	---	PASS
		5240	17.412	5231.312	5248.724	---	PASS
		5260	17.462	5251.293	5268.755	---	PASS
		5300	17.557	5291.235	5308.792	---	PASS
		5320	17.537	5311.216	5328.753	---	PASS
		5500	17.467	5491.211	5508.678	---	PASS
		5580	17.322	5571.321	5588.643	---	PASS
		5700	17.606	5691.133	5708.739	---	PASS
		5745	17.507	5736.253	5753.760	---	PASS
		5785	17.705	5776.112	5793.817	---	PASS
		5825	18.112	5815.965	5834.077	---	PASS
11N20SISO	Ant1	5180	18.211	5170.959	5189.170	---	PASS
		5200	18.204	5190.956	5209.160	---	PASS
		5240	18.216	5230.933	5249.149	---	PASS
		5260	18.149	5250.972	5269.121	---	PASS
		5300	18.183	5290.906	5309.089	---	PASS
		5320	18.120	5310.933	5329.053	---	PASS
		5500	18.293	5490.823	5509.116	---	PASS
		5580	18.186	5570.895	5589.081	---	PASS
		5700	18.138	5690.922	5709.060	---	PASS
		5745	18.251	5735.886	5754.137	---	PASS
		5785	18.247	5775.846	5794.093	---	PASS
		5825	18.336	5815.826	5834.162	---	PASS
11N40SISO	Ant1	5190	36.893	5171.700	5208.593	---	PASS
		5230	36.827	5211.710	5248.537	---	PASS
		5270	36.561	5251.769	5288.330	---	PASS
		5310	36.642	5291.700	5328.342	---	PASS
		5510	36.722	5491.611	5528.333	---	PASS
		5550	36.502	5531.725	5568.227	---	PASS
		5670	36.757	5651.595	5688.352	---	PASS

		5755	36.864	5736.571	5773.435	---	PASS
		5795	36.969	5776.478	5813.447	---	PASS
11AC20SISO	Ant1	5180	18.206	5170.939	5189.145	---	PASS
		5200	18.257	5190.927	5209.184	---	PASS
		5240	18.188	5230.950	5249.138	---	PASS
		5260	18.395	5250.850	5269.245	---	PASS
		5300	18.190	5290.922	5309.112	---	PASS
		5320	18.150	5310.929	5329.079	---	PASS
		5500	18.228	5490.862	5509.090	---	PASS
		5580	18.195	5570.904	5589.099	---	PASS
		5700	18.151	5690.885	5709.036	---	PASS
		5745	18.315	5735.826	5754.141	---	PASS
		5785	18.213	5775.868	5794.081	---	PASS
		5825	18.303	5815.845	5834.148	---	PASS
11AC40SISO	Ant1	5190	36.376	5171.801	5208.177	---	PASS
		5230	36.266	5211.925	5248.191	---	PASS
		5270	36.335	5251.846	5288.181	---	PASS
		5310	36.391	5291.785	5328.176	---	PASS
		5510	36.342	5491.814	5528.156	---	PASS
		5550	36.327	5531.837	5568.164	---	PASS
		5670	36.404	5651.822	5688.226	---	PASS
		5755	36.325	5736.785	5773.110	---	PASS
		5795	36.331	5776.802	5813.133	---	PASS
11AC80SISO	Ant1	5210	75.808	5172.170	5247.978	---	PASS
		5290	75.760	5252.119	5327.879	---	PASS
		5530	75.785	5492.069	5567.854	---	PASS
		5610	75.725	5572.078	5647.803	---	PASS
		5775	75.745	5737.064	5812.809	---	PASS

TEST GRAPHS

11A_Ant1_5180

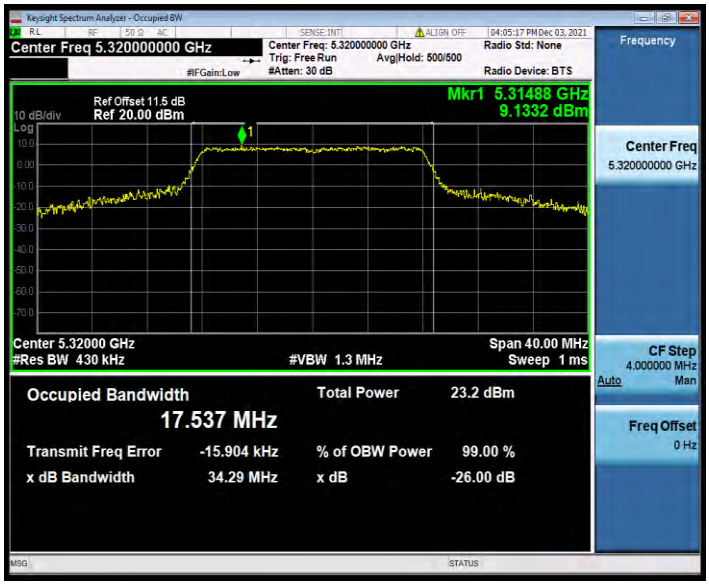
11A_Ant1_5200

11A_Ant1_5240

11A_Ant1_5260

11A_Ant1_5300

11A_Ant1_5320



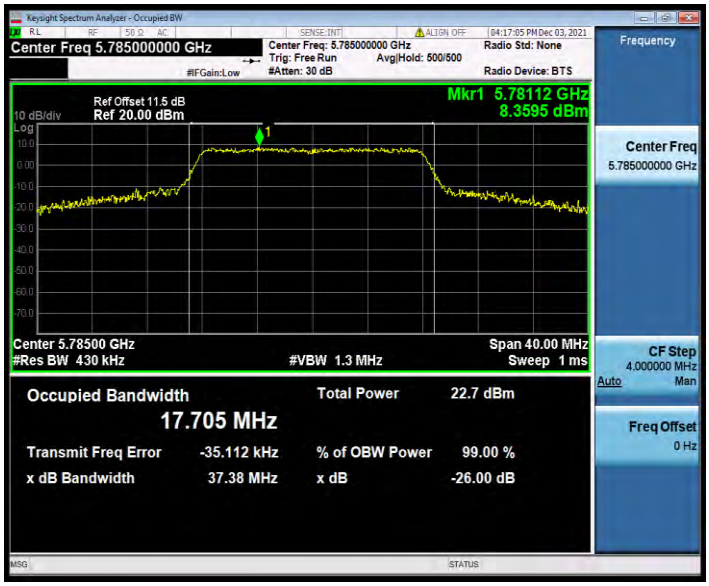
11A_Ant1_5500

11A_Ant1_5580

11A_Ant1_5700

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

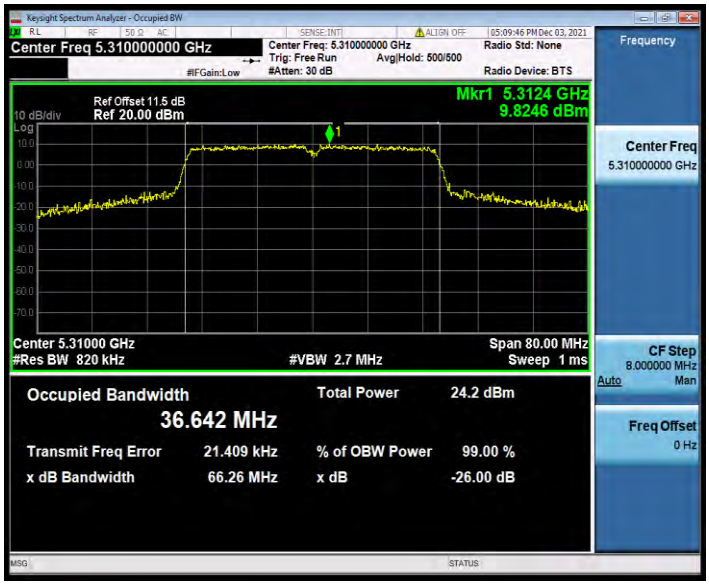
11N20SISO_Ant1_5825

11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

11N40SISO_Ant1_5270

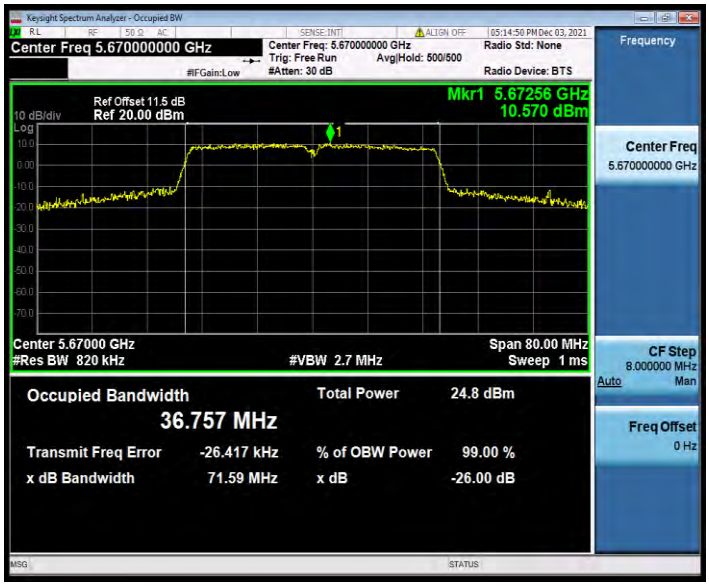
11N40SISO_Ant1_5310



11N40SISO_Ant1_5510

11N40SISO_Ant1_5550

11N40SISO_Ant1_5670



11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5200

11AC20SISO_Ant1_5240

11AC20SISO_Ant1_5260

11AC20SISO_Ant1_5300

11AC20SISO_Ant1_5320

11AC20SISO_Ant1_5500

11AC20SISO_Ant1_5580

11AC20SISO_Ant1_5700

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 - Occupied BW
Center Freq 5.775000000 GHz
Center Freq: 5.775000000 GHz
Trig: Free Run
Avg|Hold: 500/500
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 11.5 dB
10 dB/div
Ref 20.00 dBm
Mkr1 5.75052 GHz
8.7585 dBm
Center Freq
5.775000000 GHz
Center 5.77500 GHz
#Res BW 1.6 MHz
#VBW 5 MHz
Span 160.0 MHz
Sweep 1 ms
CF Step
16.000000 MHz
Auto
Man
Occupied Bandwidth
75.745 MHz
Total Power 22.8 dBm
Transmit Freq Error -63.585 kHz
% of OBW Power 99.00 %
x dB Bandwidth 100.6 MHz
x dB -26.00 dB
Freq Offset
0 Hz

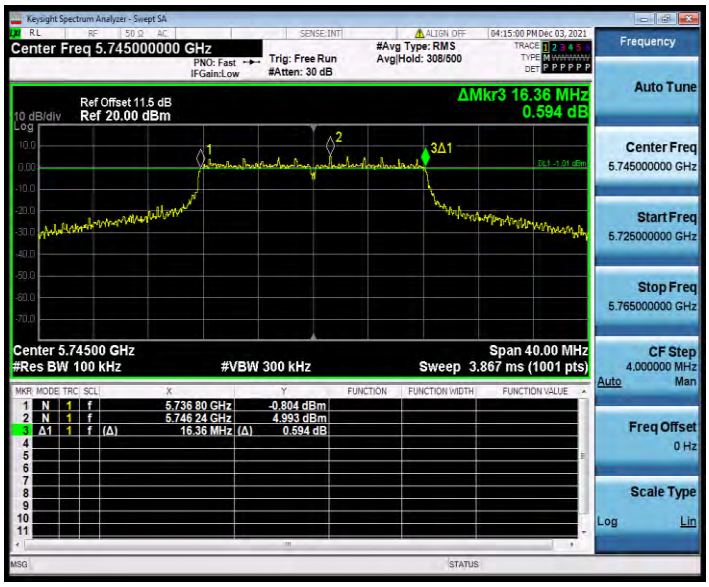
MIN EMISSION BANDWIDTH

TEST RESULT

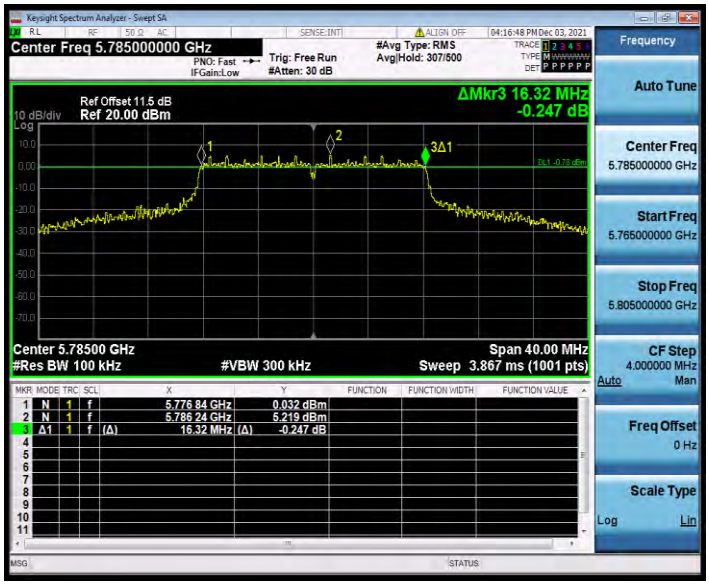
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.400	5776.240	5793.640	0.5	PASS
		5825	17.160	5816.440	5833.600	0.5	PASS
11N40SISO	Ant1	5755	35.840	5737.080	5772.920	0.5	PASS
		5795	35.840	5777.080	5812.920	0.5	PASS
11AC20SISO	Ant1	5745	17.320	5736.360	5753.680	0.5	PASS
		5785	17.280	5776.240	5793.520	0.5	PASS
		5825	17.240	5816.360	5833.600	0.5	PASS
11AC40SISO	Ant1	5755	35.920	5737.080	5773.000	0.5	PASS
		5795	35.920	5777.000	5812.920	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.080	5812.600	0.5	PASS

TEST GRAPHS

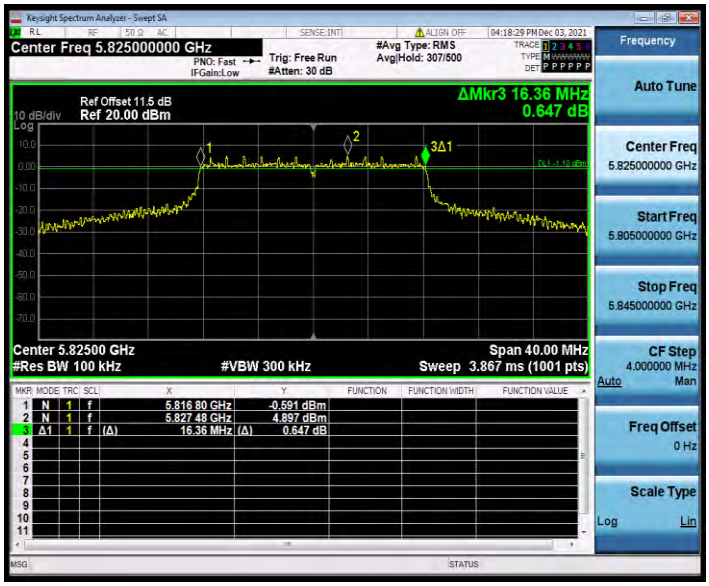
11A_Ant1_5745



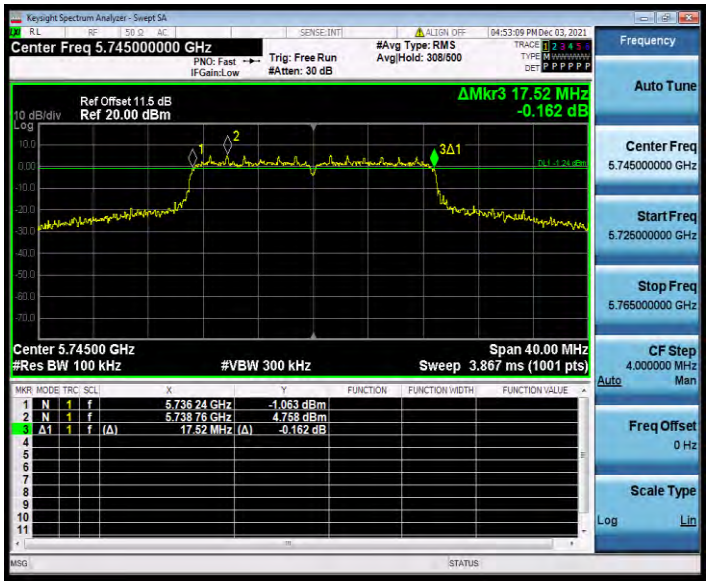
11A_Ant1_5785



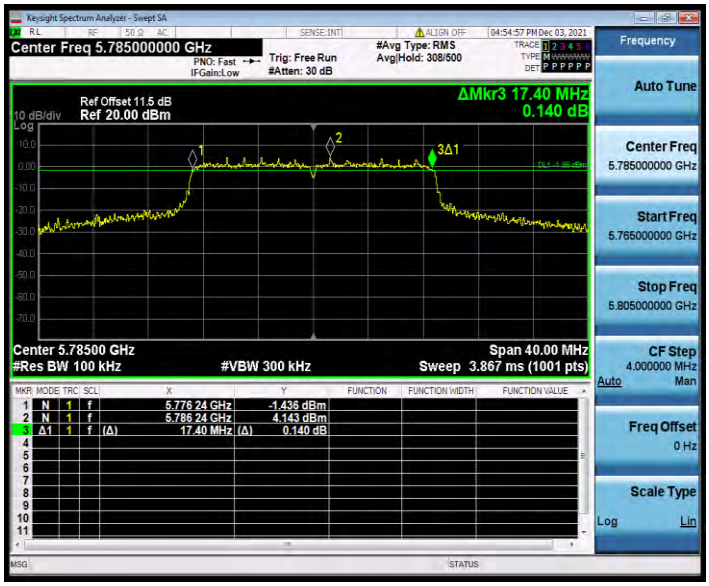
11A_Ant1_5825



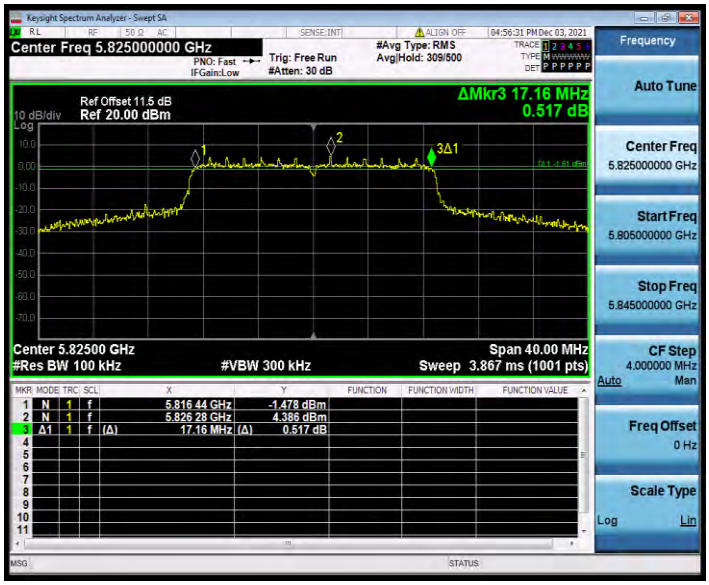
11N20SISO_Ant1_5745



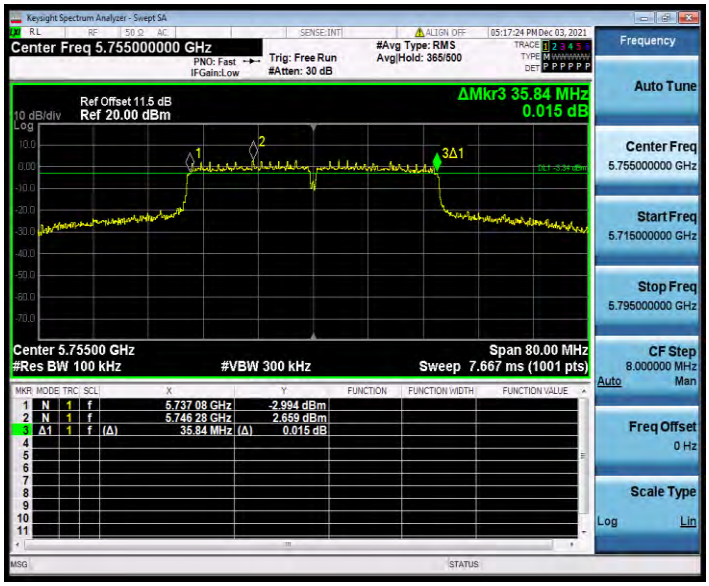
11N20SISO_Ant1_5785



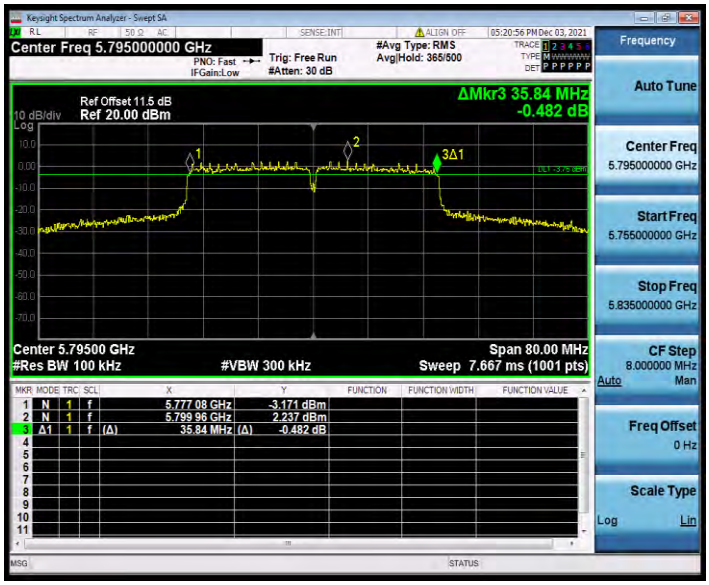
11N20SISO_Ant1_5825



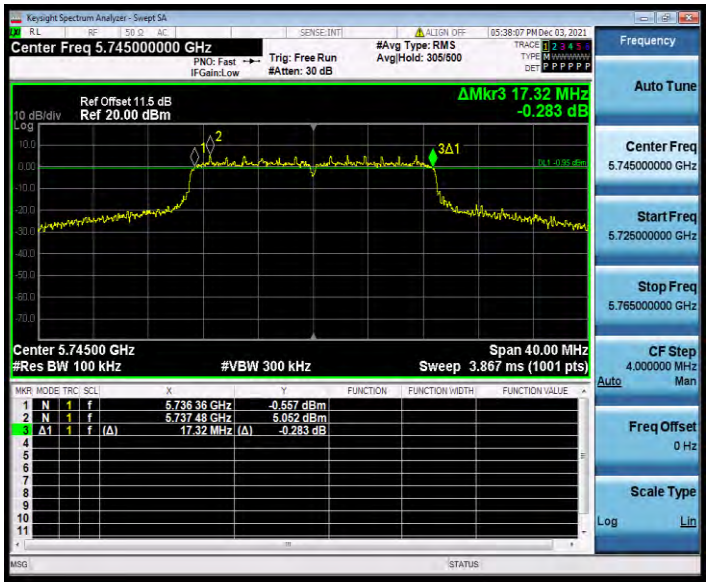
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



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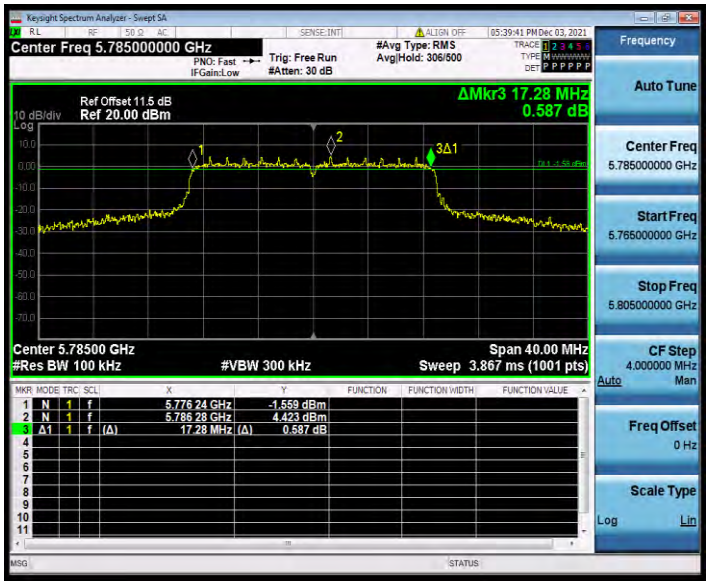

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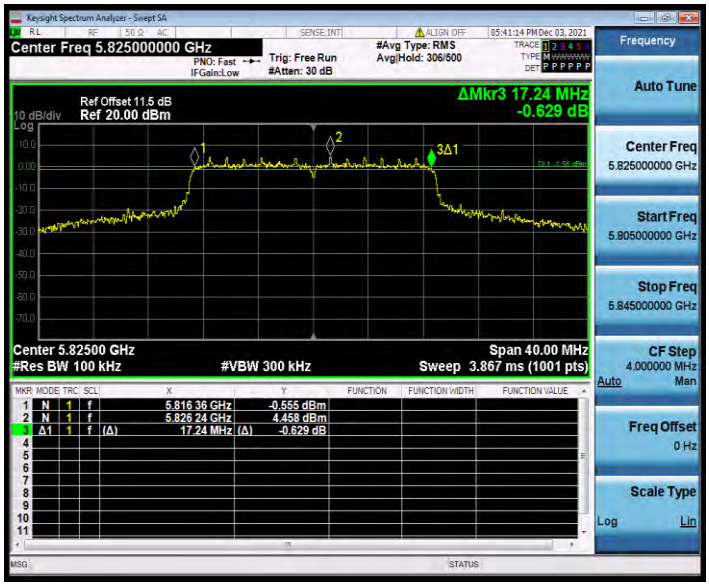

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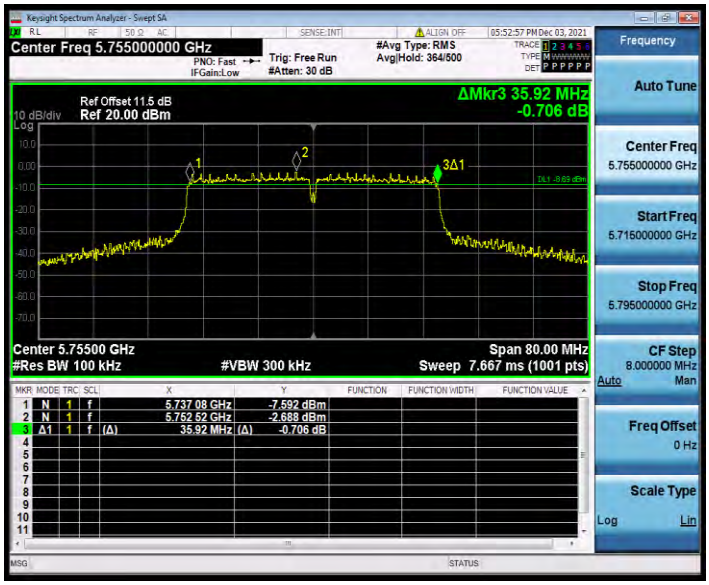

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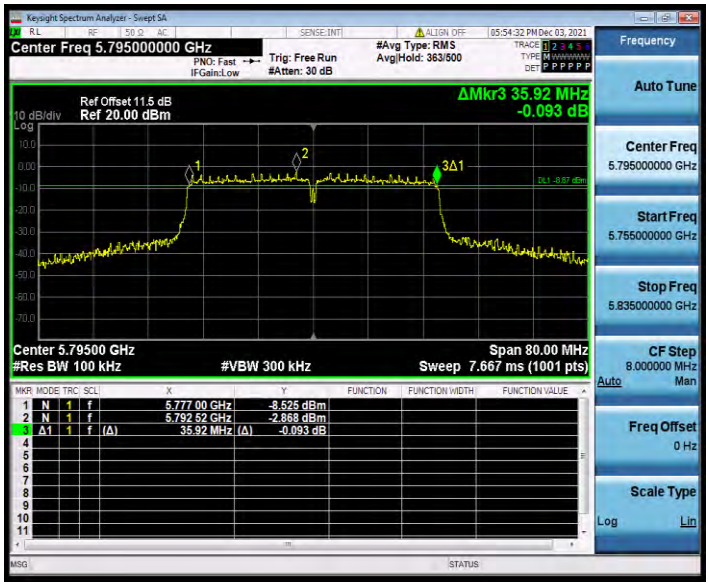

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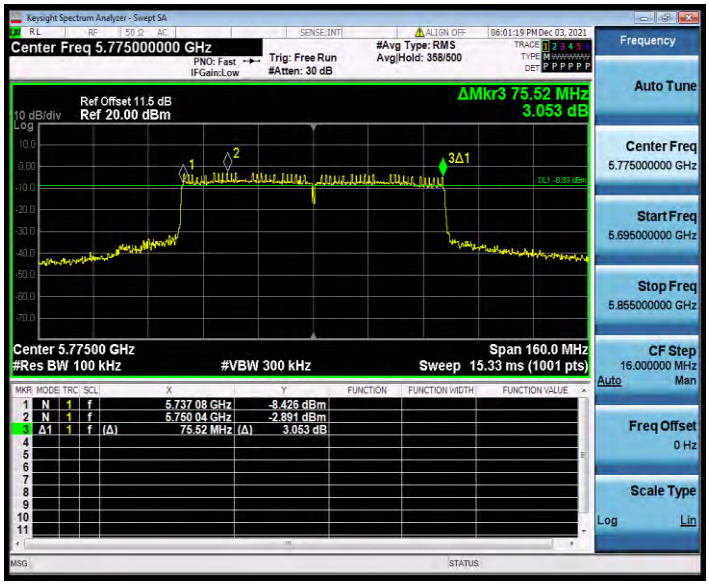

MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT

TestMode	Antenna	Channel	Result[dBm]	Result[mw]	Limit[dBm]	Verdict	Power setting
11A	Ant1	5180	18.73	74.64	≤23.98	PASS	15
		5200	18.71	74.30	≤23.98	PASS	15
		5240	18.75	74.99	≤23.98	PASS	15
		5260	19.10	81.28	≤23.98	PASS	15
		5300	19.27	84.53	≤23.98	PASS	15
		5320	19.31	85.31	≤23.98	PASS	15
		5500	18.91	77.80	≤23.98	PASS	15
		5580	18.80	75.86	≤23.98	PASS	16
		5700	19.25	84.14	≤23.98	PASS	15
		5745	18.97	78.89	≤30	PASS	16
		5785	19.17	82.60	≤30	PASS	16
		5825	19.29	84.92	≤30	PASS	16
11N20SISO	Ant1	5180	18.99	79.25	≤23.98	PASS	15
		5200	19.01	79.62	≤23.98	PASS	15
		5240	19.08	80.91	≤23.98	PASS	15
		5260	18.72	74.47	≤23.98	PASS	14
		5300	18.94	78.34	≤23.98	PASS	14
		5320	18.84	76.56	≤23.98	PASS	14
		5500	19.22	83.56	≤23.98	PASS	15
		5580	19.24	83.95	≤23.98	PASS	16
		5700	18.90	77.62	≤23.98	PASS	14
		5745	19.22	83.56	≤30	PASS	16
		5785	19.00	79.43	≤30	PASS	15
		5825	18.95	78.52	≤30	PASS	15
11N40SISO	Ant1	5190	16.00	39.81	≤23.98	PASS	13
		5230	15.97	39.54	≤23.98	PASS	13
		5270	16.29	42.56	≤23.98	PASS	13
		5310	16.59	45.60	≤23.98	PASS	13
		5510	15.75	37.58	≤23.98	PASS	13
		5550	16.10	40.74	≤23.98	PASS	14