Appendix Test Data

Report No:	18220WC20200103	Test Sample NO:	1-2-2
Start Test Date:	2022.8.29	Finish Test Date:	2022.9.5
Test Engineer:	Tony.He	Auditor:	Edward.Pan
Temperature:	27.3℃	Relative Humidity:	48%
Pressure:	1012 hPa		

Appendix A1: Emission Bandwidth

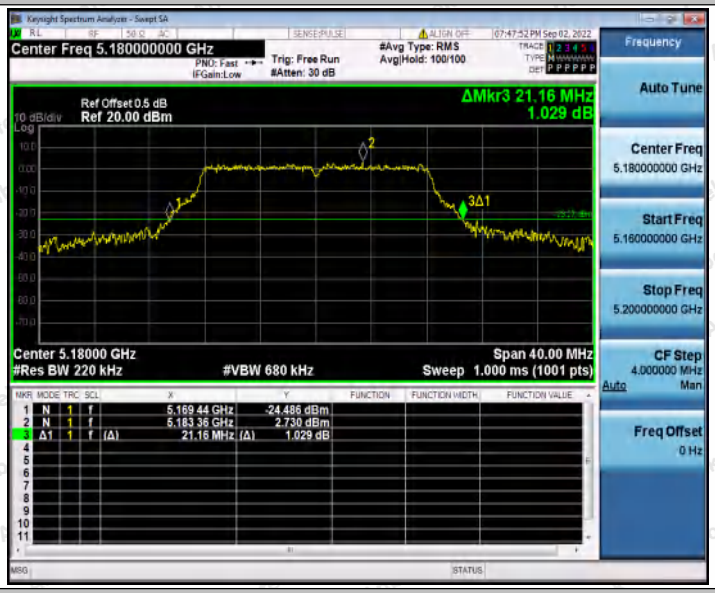
Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]
11A	Ant1	5180	21.160	5169.440	5190.600
		5200	21.520	5189.160	5210.680
		5240	21.200	5229.320	5250.520
		5745	23.600	5732.080	5755.680
		5785	21.720	5774.080	5795.800
		5825	21.640	5814.080	5835.720
11N20SISO	Ant1	5180	22.680	5168.360	5191.040
		5200	22.960	5187.880	5210.840
		5240	24.800	5229.160	5253.960
		5745	22.000	5733.880	5755.880
		5785	21.840	5774.240	5796.080
		5825	23.320	5812.800	5836.120
11N40SISO	Ant1	5190	42.640	5167.680	5210.320
		5230	52.080	5205.440	5257.520
		5755	65.040	5719.320	5784.360
		5795	60.240	5768.840	5829.080
11AC20SISO	Ant1	5180	21.400	5169.240	5190.640
		5200	21.600	5189.200	5210.800
		5240	21.560	5229.200	5250.760
		5745	21.600	5734.160	5755.760
		5785	21.480	5774.240	5795.720
		5825	21.400	5814.240	5835.640
11AC40SISO	Ant1	5190	48.240	5169.440	5217.680
		5230	45.920	5209.680	5255.600

		5755	40.560	5734.840	5775.400
		5795	39.440	5775.240	5814.680
11AC80SISO	Ant1	5210	110.400	5155.920	5266.320
		5775	81.280	5734.680	5815.960

Test Graphs

11A_Ant1_5180



11A_Ant1_5200

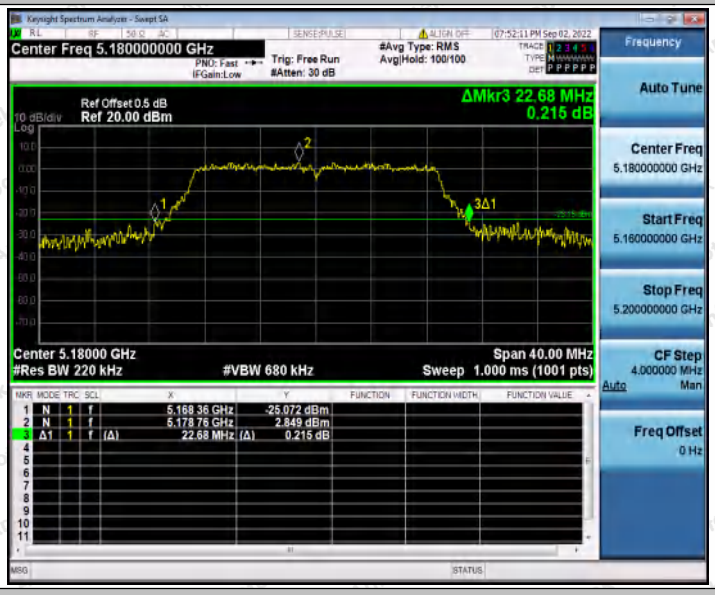
11A_Ant1_5240

11A_Ant1_5745

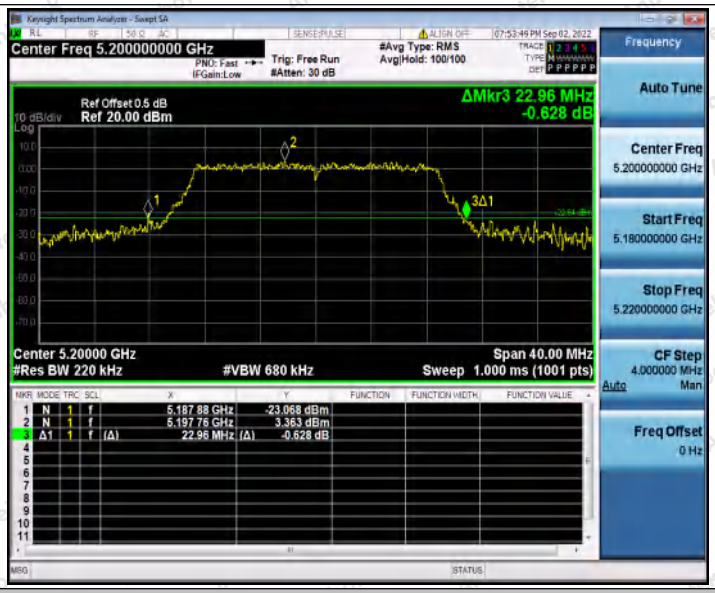
11A_Ant1_5785

11A_Ant1_5825

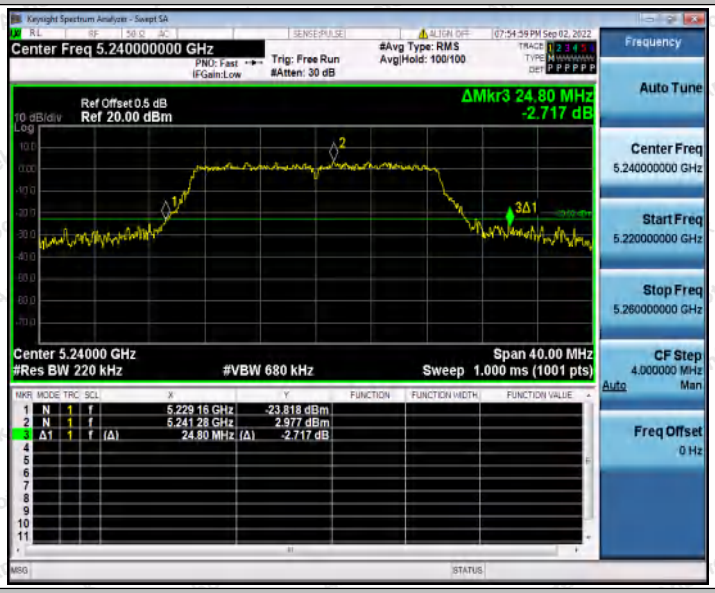
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

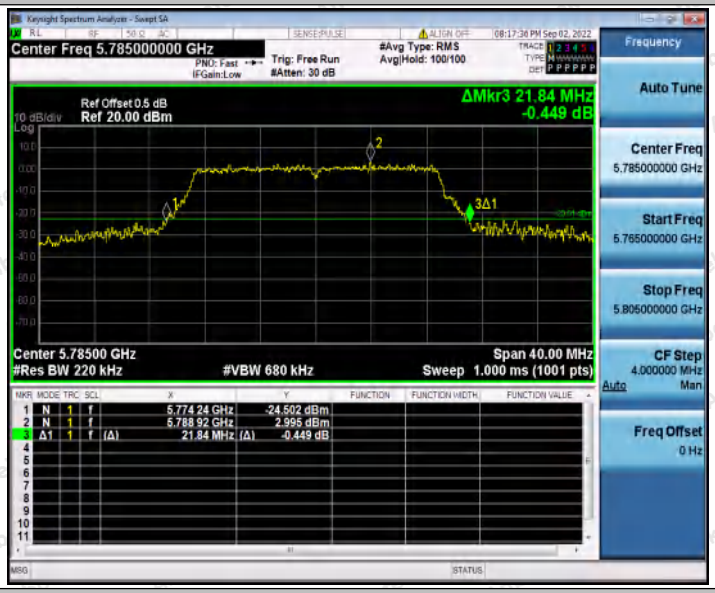


11N20SISO_Ant1_5240

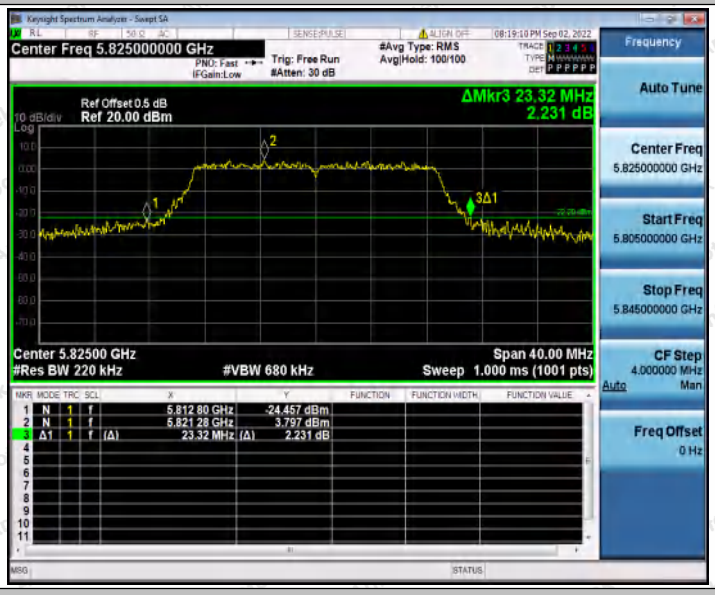


11N20SISO_Ant1_5745

11N20SISO_Ant1_5785

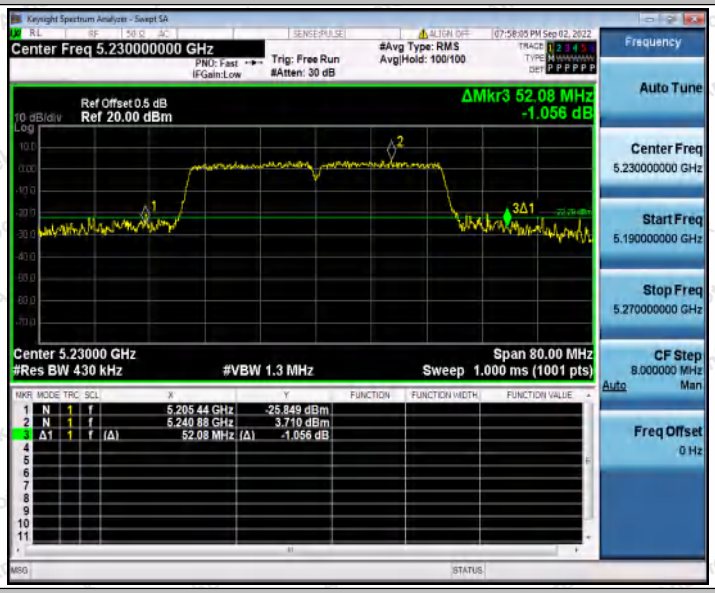


11N20SISO_Ant1_5825

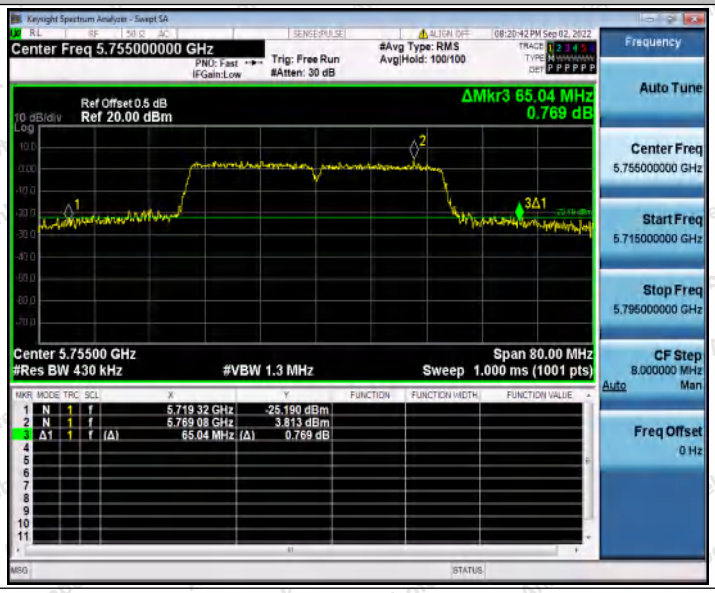


11N40SISO_Ant1_5190

11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



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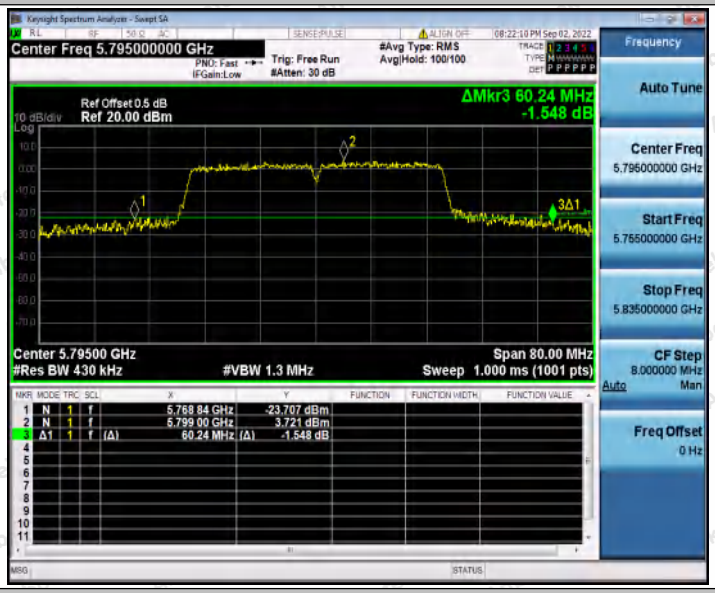
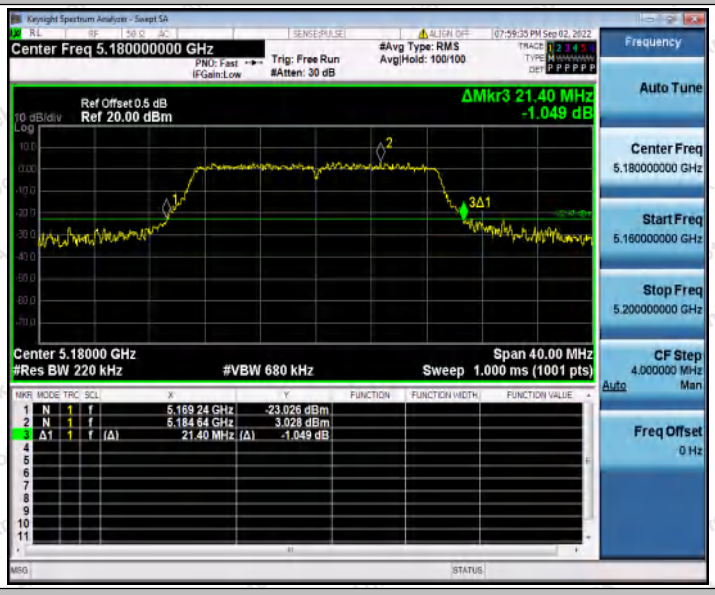


11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

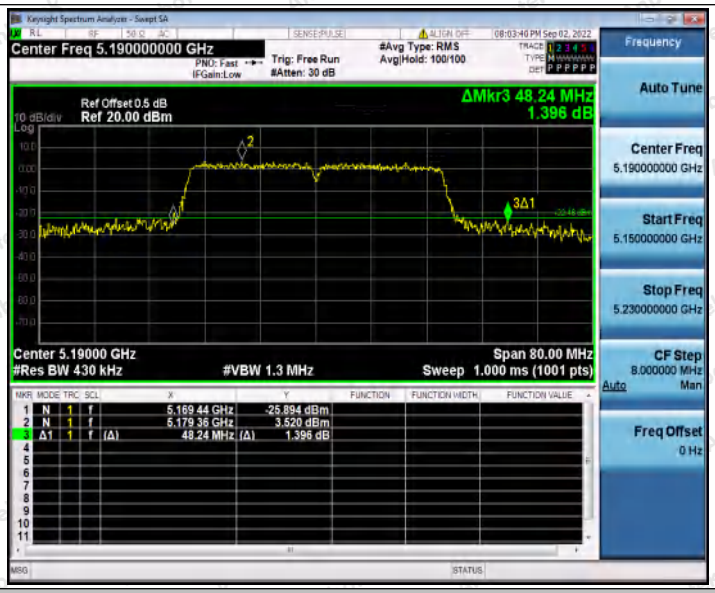
11AC20SISO_Ant1_5240

11AC20SISO_Ant1_5745

11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5190



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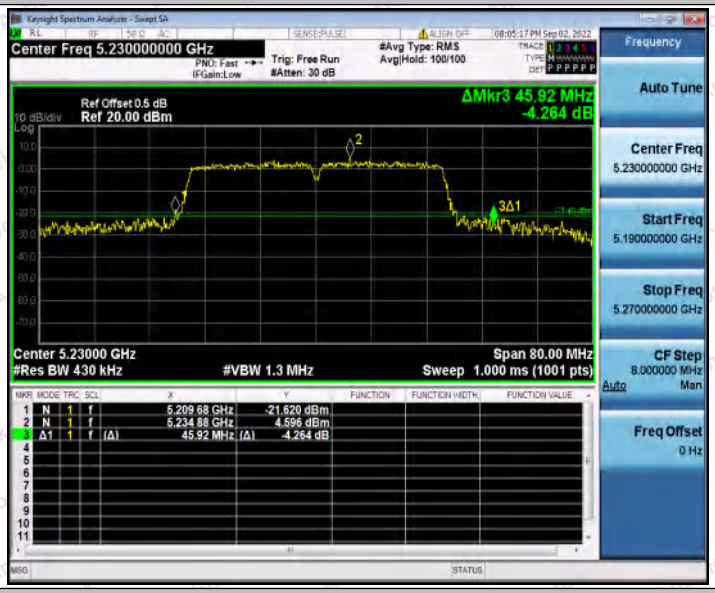

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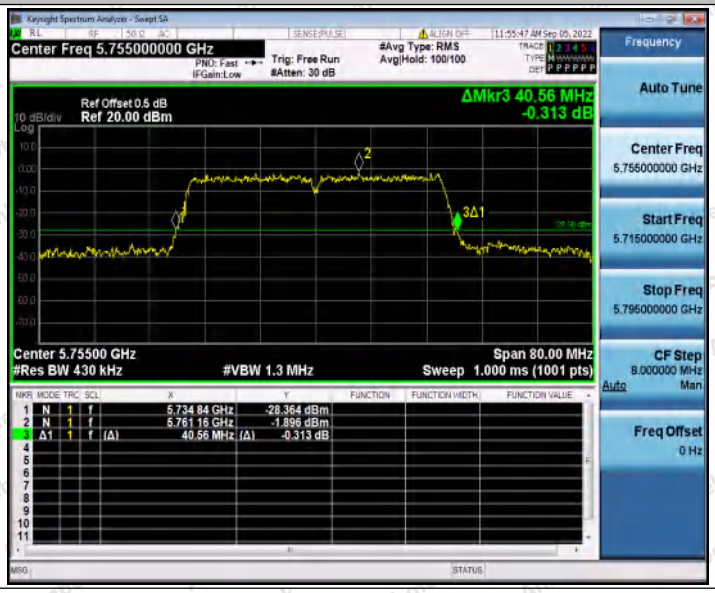
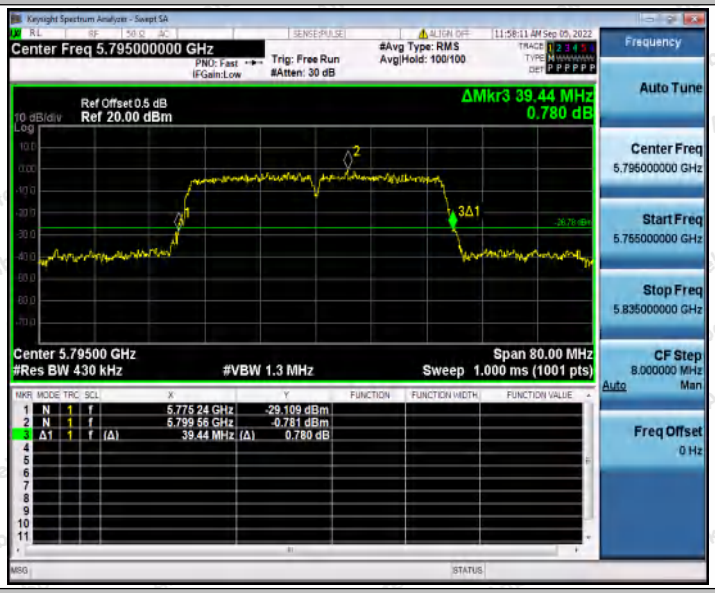
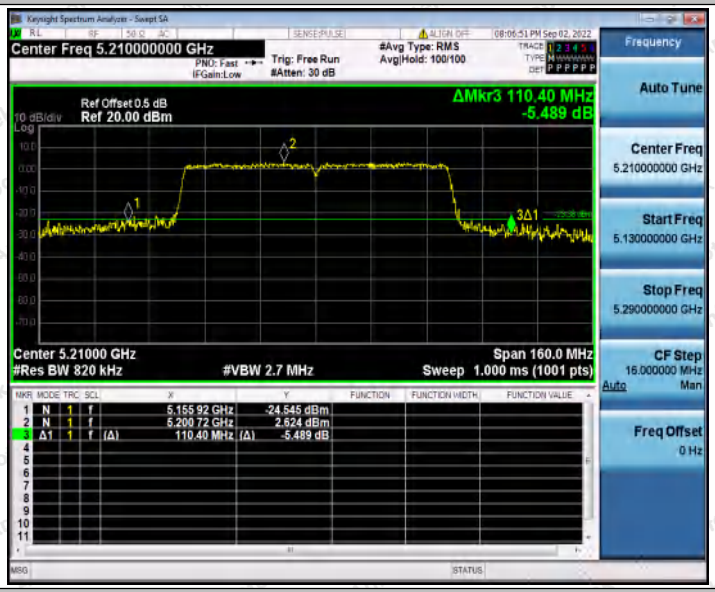


11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



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: 100/100
12:00:54 PM Sep 05, 2022
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div Ref 20.00 dBm
Log
ΔMkr3 81.28 MHz
1.041 dB
Center Freq
5.775000000 GHz
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
Center 5.77500 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 160.0 MHz
Sweep 1.000 ms (1001 pts)
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 N 1 f 5.734 68 GHz -28.220 dBm
2 N 1 f 5.802 52 GHz -1.164 dBm
3 Δ1 1 f (Δ) 81.28 MHz (Δ) 1.041 dB
MSG
STATUS

Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11A	Ant1	5180	17.604	5171.1592	5188.7632
		5200	17.569	5191.1613	5208.7303
		5240	17.550	5231.2133	5248.7633
		5745	17.854	5735.9045	5753.7585
		5785	17.758	5776.2340	5793.9920
		5825	17.779	5815.9846	5833.7636
11N20SISO	Ant1	5180	18.602	5170.7123	5189.3143
		5200	18.651	5190.6159	5209.2669
		5240	18.587	5230.7453	5249.3323
		5745	18.761	5735.5577	5754.3187
		5785	18.742	5775.7943	5794.5363
		5825	18.726	5815.6009	5834.3269
11N40SISO	Ant1	5190	36.953	5171.5267	5208.4797
		5230	36.906	5211.6531	5248.5591
		5755	37.445	5736.2047	5773.6497
		5795	37.053	5776.6645	5813.7175
11AC20SISO	Ant1	5180	18.655	5170.6622	5189.3172
		5200	18.610	5190.6828	5209.2928
		5240	18.640	5230.7176	5249.3576
		5745	18.347	5735.7733	5754.1203
		5785	18.272	5775.8351	5794.1071
		5825	18.329	5815.7892	5834.1182
11AC40SISO	Ant1	5190	37.029	5171.4815	5208.5105
		5230	36.952	5211.6400	5248.5920
		5755	37.009	5736.5147	5773.5237
		5795	36.701	5776.6580	5813.3590
11AC80SISO	Ant1	5210	76.389	5171.9686	5248.3576
		5775	76.012	5737.1445	5813.1565

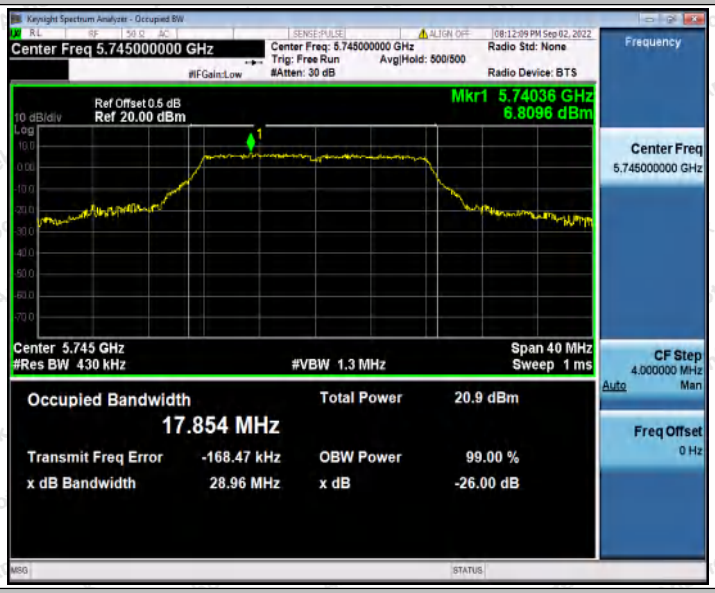
Test Graphs

11A_Ant1_5180

11A_Ant1_5200

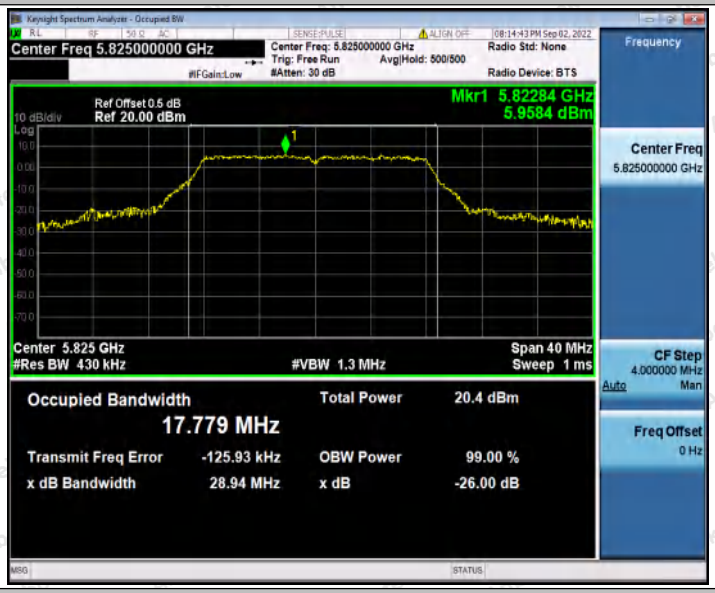
11A_Ant1_5240

11A_Ant1_5745



11A_Ant1_5785

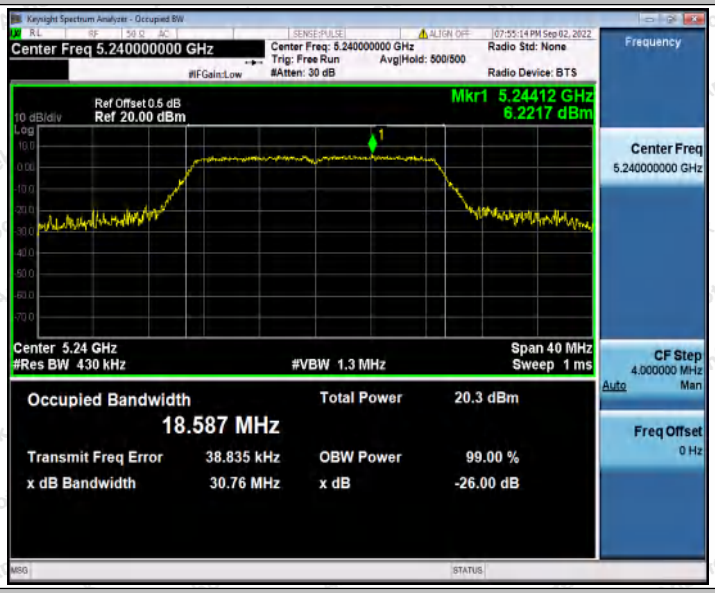
11A_Ant1_5825



11N20SISO_Ant1_5180

11N20SISO_Ant1_5200

11N20SISO_Ant1_5240

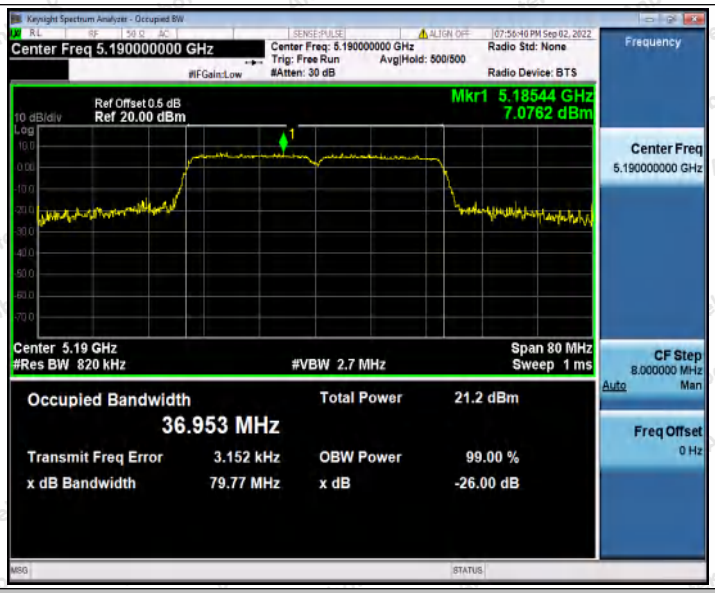


11N20SISO_Ant1_5745

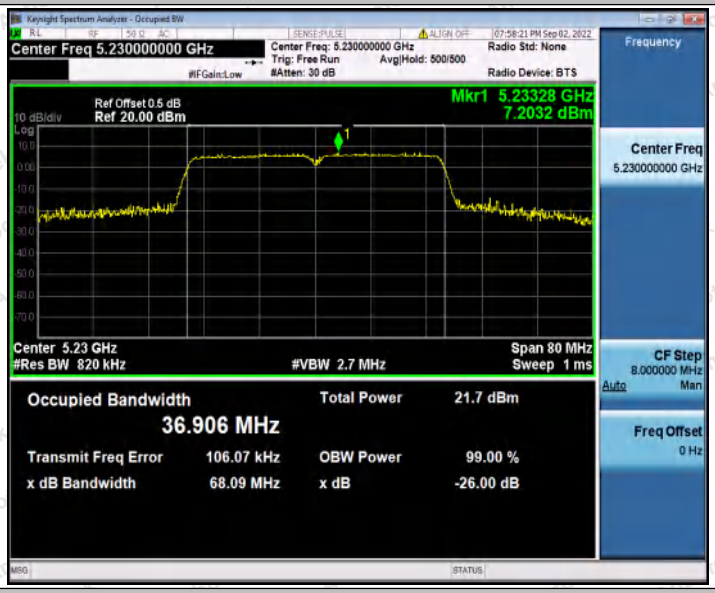
11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



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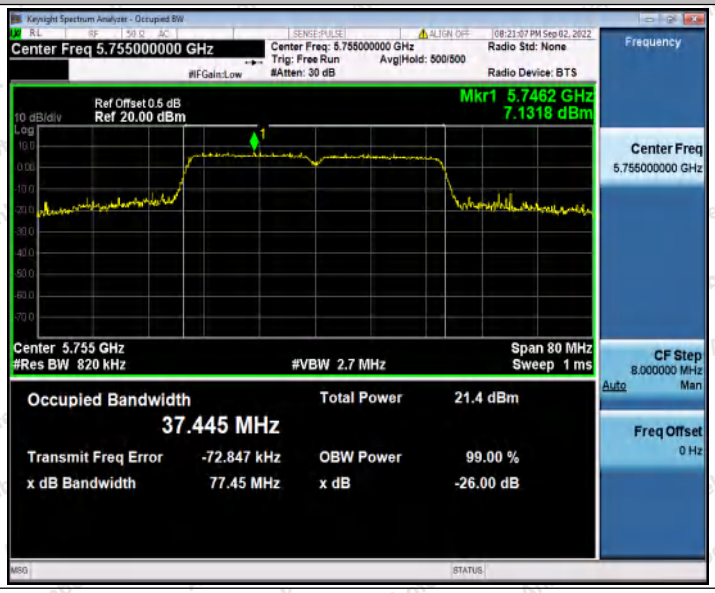
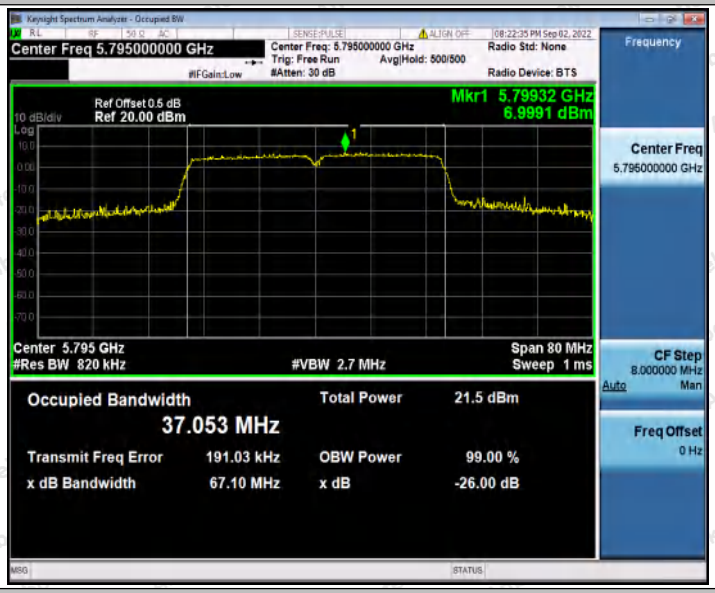
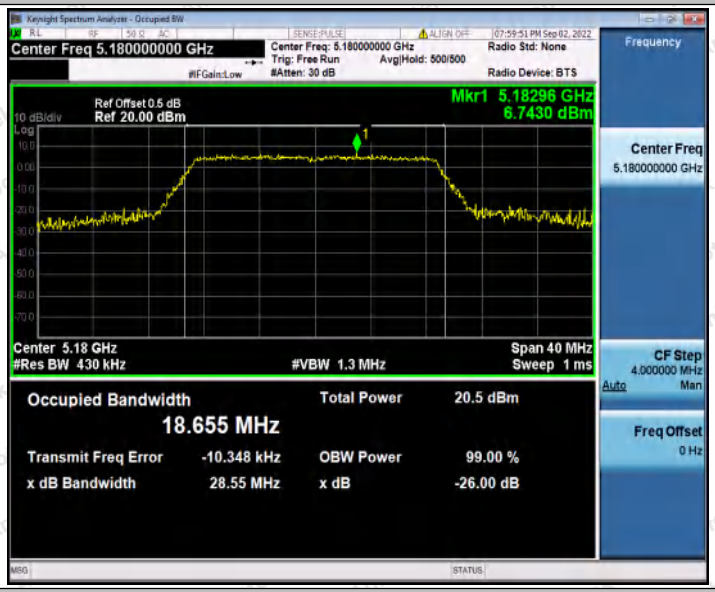


11N40SISO_Ant1_5795



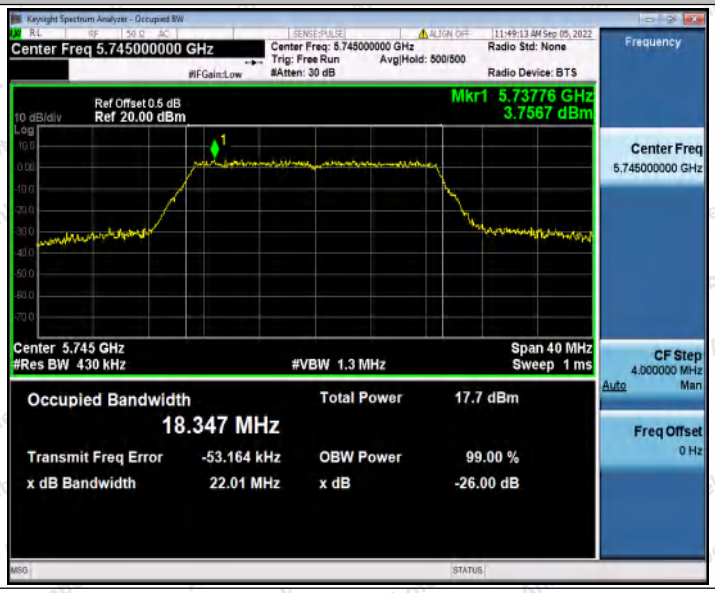
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

11AC20SISO_Ant1_5240

11AC20SISO_Ant1_5745



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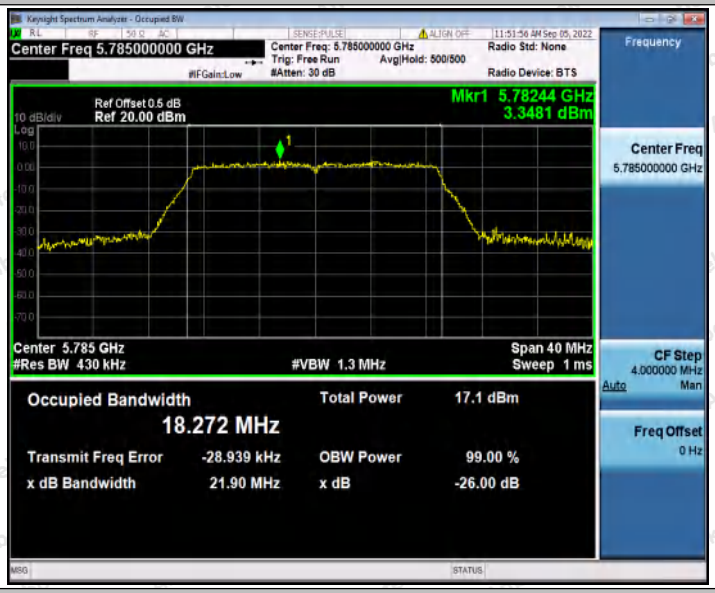

11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5190