FCC Appendix RF Test Data

FCC ID	**:**	**2BMHLX1PRO**
Company:	**:**	**JOY MORE TRADE LIMITED**
EUT	**:**	**Smart Media Player**
Model Number	**:**	**StreamX X1Pro**
Reviewed By	**:**	**Eric Wang**

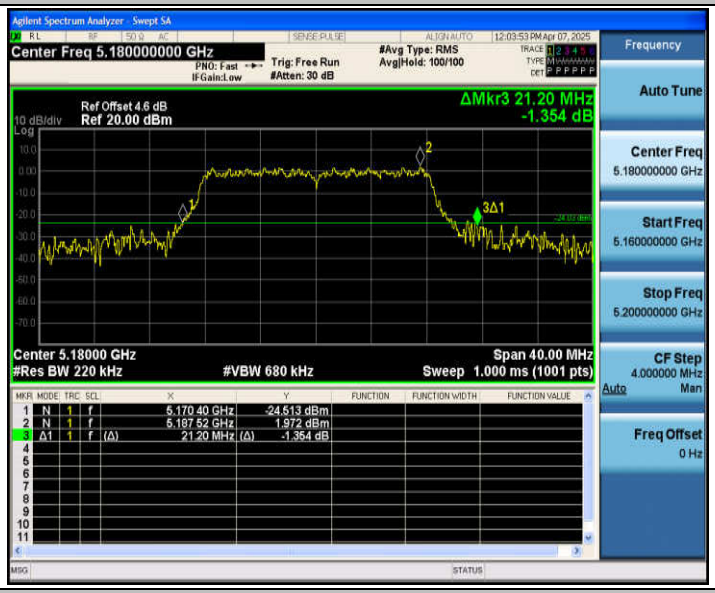
Appendix A1: Emission Bandwidth

Test Result

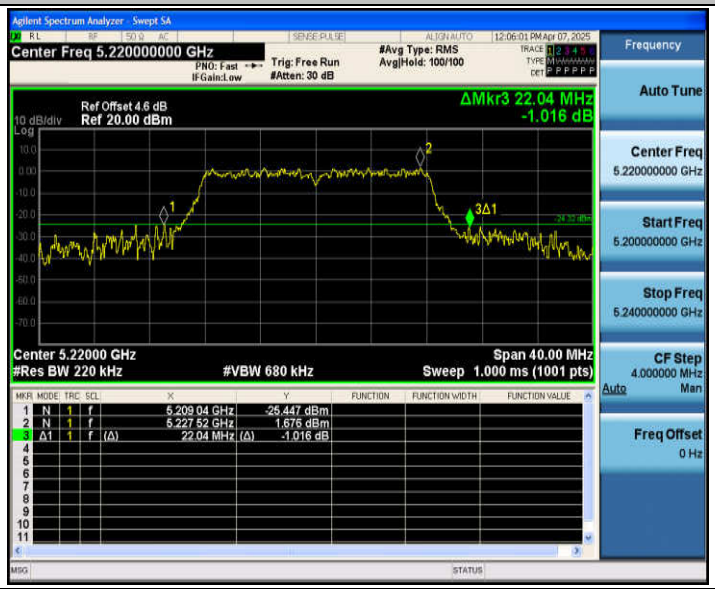
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.200	5170.400	5191.600	---	---
		5220	22.040	5209.040	5231.080	---	---
		5240	26.160	5228.080	5254.240	---	---
		5745	23.640	5732.960	5756.600	---	---
		5785	24.080	5771.640	5795.720	---	---
		5825	21.000	5814.320	5835.320	---	---
11N20SISO	Ant1	5180	25.480	5168.080	5193.560	---	---
		5220	25.680	5207.880	5233.560	---	---
		5240	24.880	5227.840	5252.720	---	---
		5745	28.800	5732.880	5761.680	---	---
		5785	25.320	5772.920	5798.240	---	---
		5825	27.040	5812.800	5839.840	---	---
11N40SISO	Ant1	5190	44.560	5168.800	5213.360	---	---
		5230	44.080	5208.720	5252.800	---	---
		5755	55.920	5723.880	5779.800	---	---
		5795	48.080	5768.680	5816.760	---	---
11AC20SISO	Ant1	5180	24.200	5168.840	5193.040	---	---
		5220	24.200	5210.200	5234.400	---	---
		5240	19.920	5230.160	5250.080	---	---
		5745	25.840	5731.440	5757.280	---	---
		5785	23.080	5773.720	5796.800	---	---
		5825	23.000	5813.080	5836.080	---	---
11AC40SISO	Ant1	5190	51.280	5168.640	5219.920	---	---
		5230	48.320	5208.560	5256.880	---	---
		5755	48.560	5726.840	5775.400	---	---
		5795	49.280	5772.520	5821.800	---	---
11AX20SISO	Ant1	5180	27.920	5169.280	5197.200	---	---
		5220	26.160	5210.240	5236.400	---	---
		5240	22.760	5227.120	5249.880	---	---
		5745	23.920	5731.840	5755.760	---	---
		5785	25.320	5773.400	5798.720	---	---
		5825	24.400	5811.880	5836.280	---	---
11AX40SISO	Ant1	5190	46.640	5169.440	5216.080	---	---
		5230	47.200	5209.600	5256.800	---	---
		5755	51.600	5729.240	5780.840	---	---
		5795	41.360	5775.640	5817.000	---	---

Test Graphs

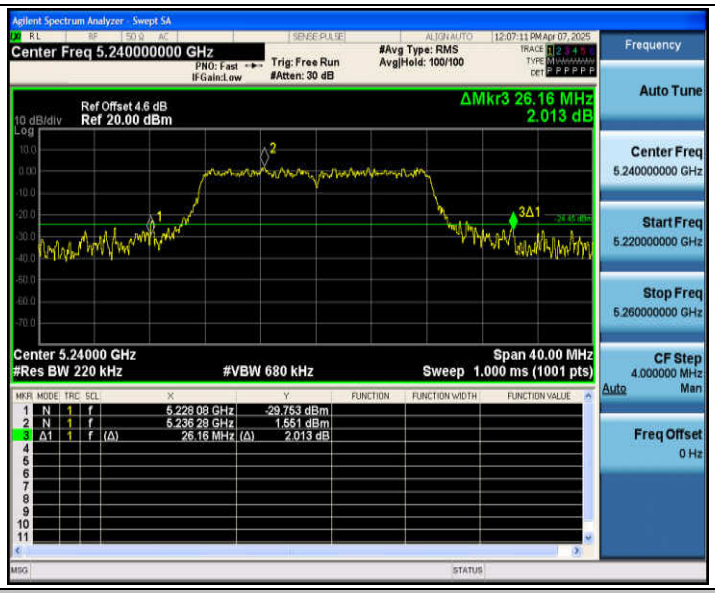
11A_Ant1_5180



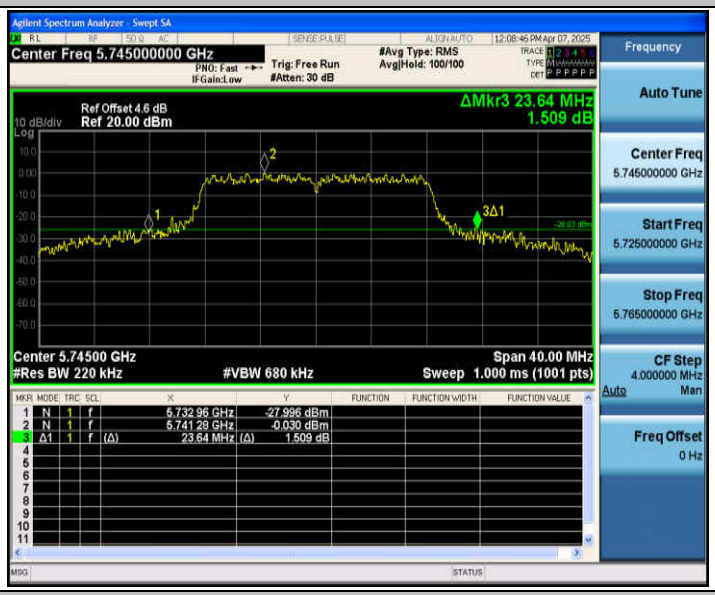
11A_Ant1_5220



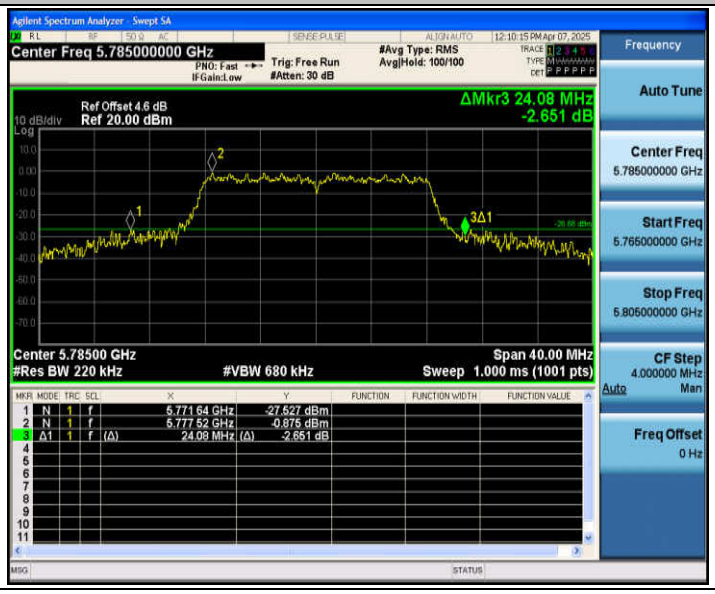
11A_Ant1_5240



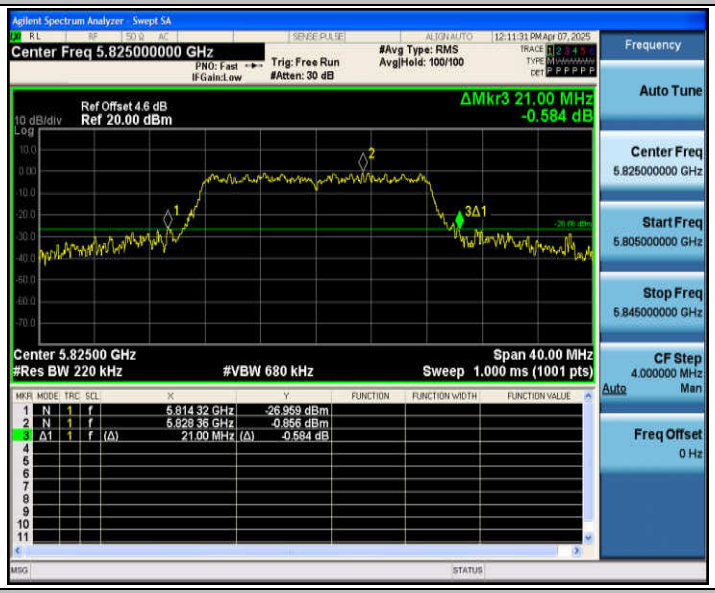
11A_Ant1_5745



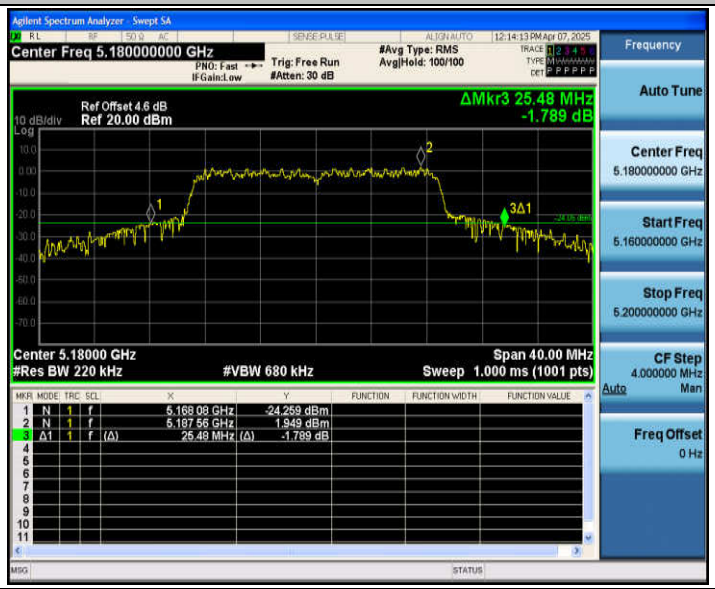
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180

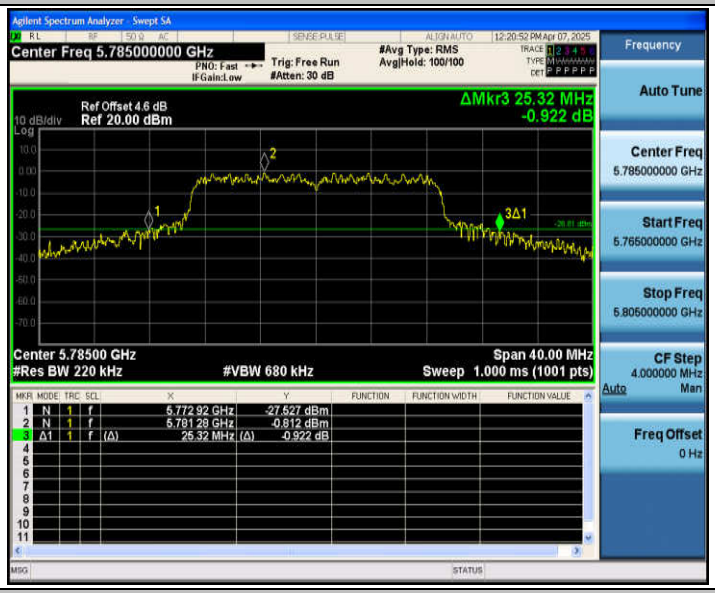


11N20SISO_Ant1_5220

11N20SISO_Ant1_5240

11N20SISO_Ant1_5745

11N20SISO_Ant1_5785



11N20SISO_Ant1_5825

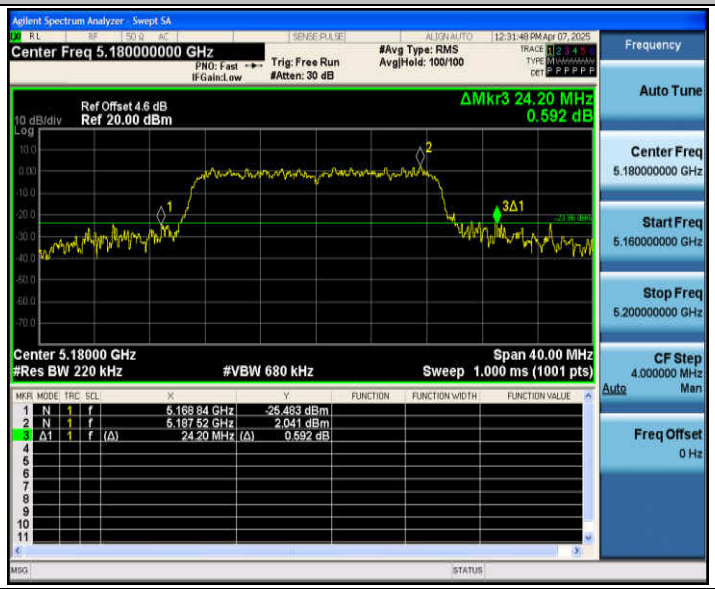
11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

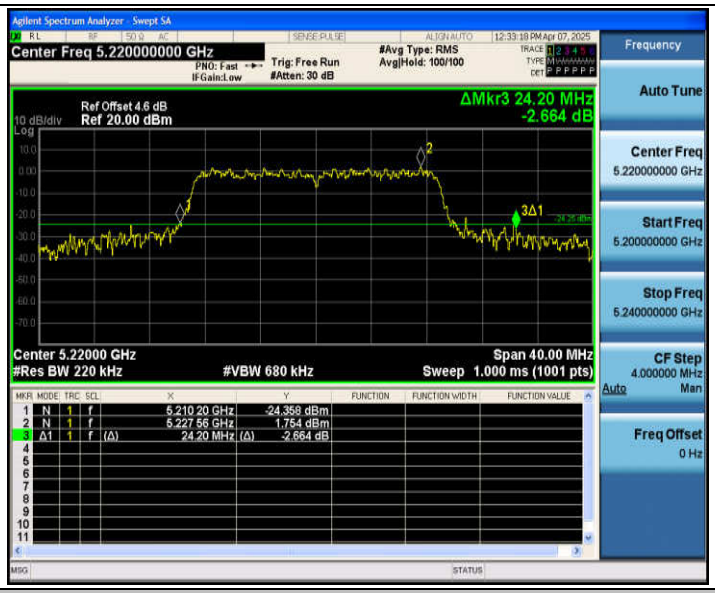
11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

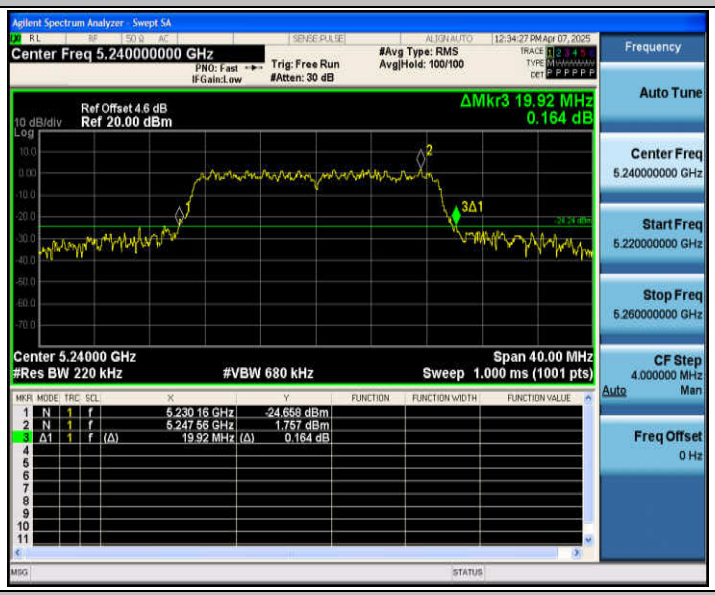
11AC20SISO_Ant1_5180



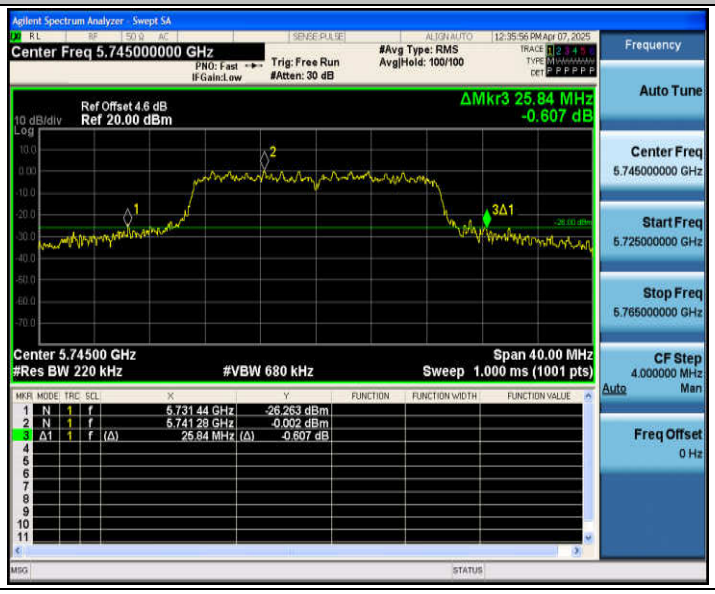
11AC20SISO_Ant1_5220



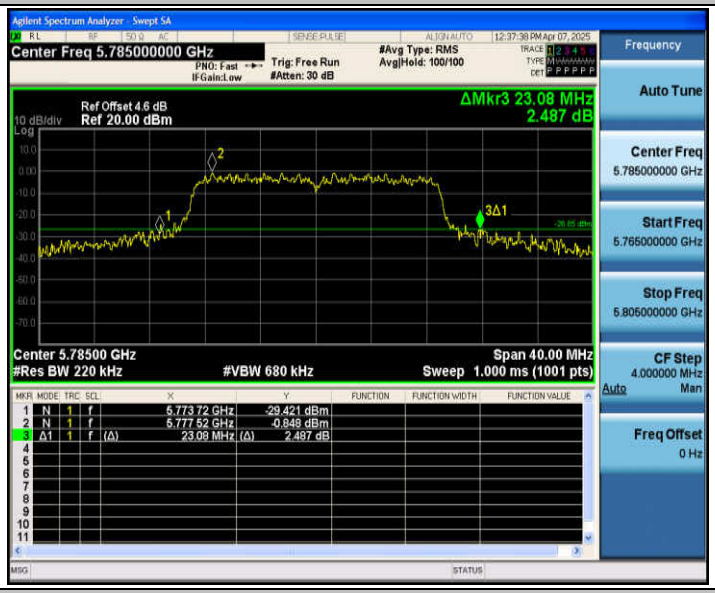
11AC20SISO_Ant1_5240



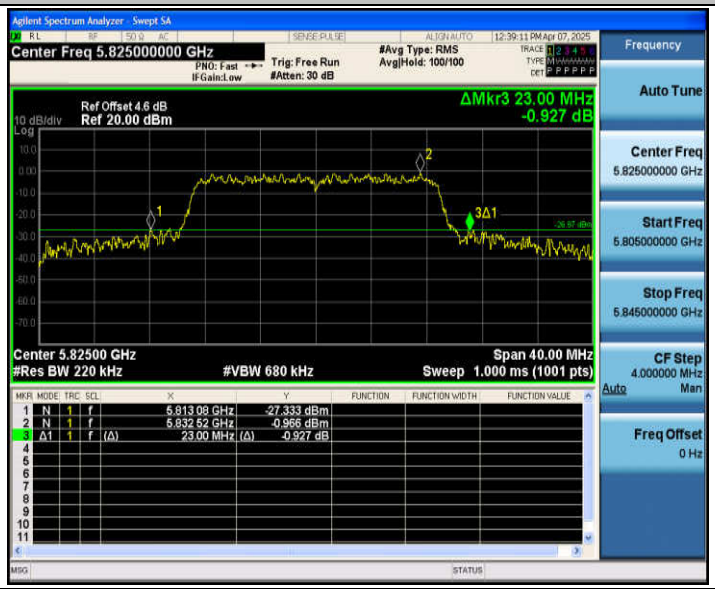
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230

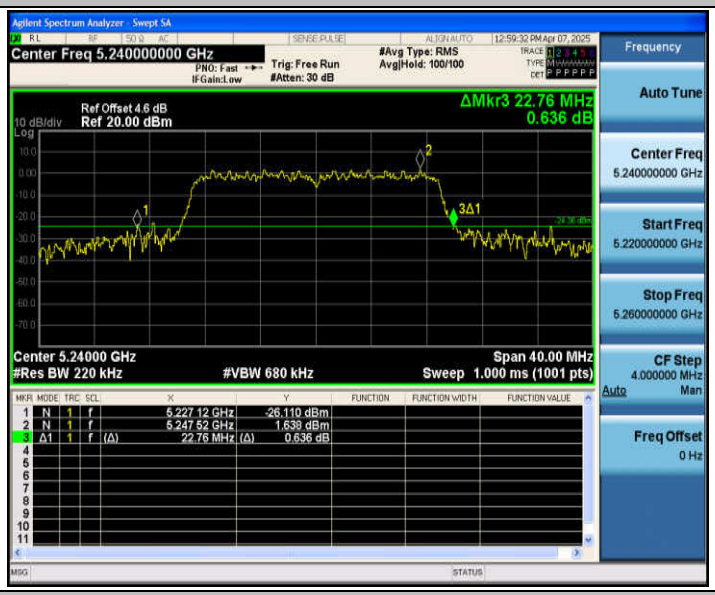
11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795

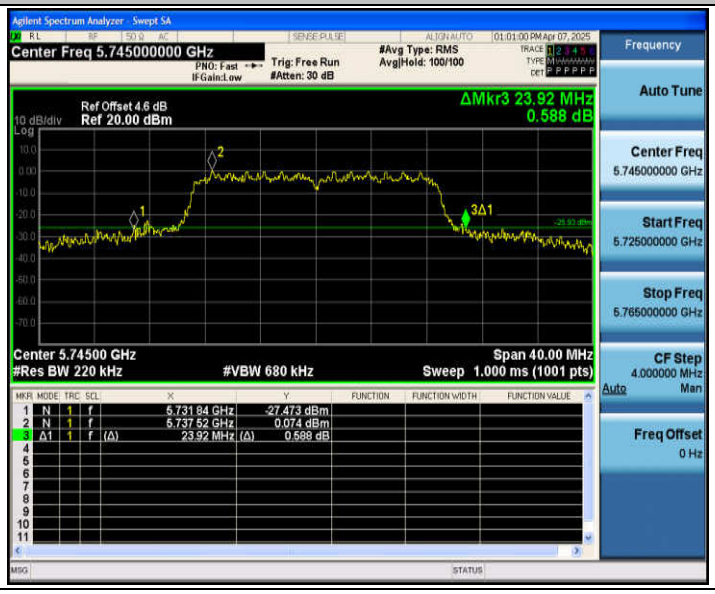
11AX20SISO_Ant1_5180

11AX20SISO_Ant1_5220

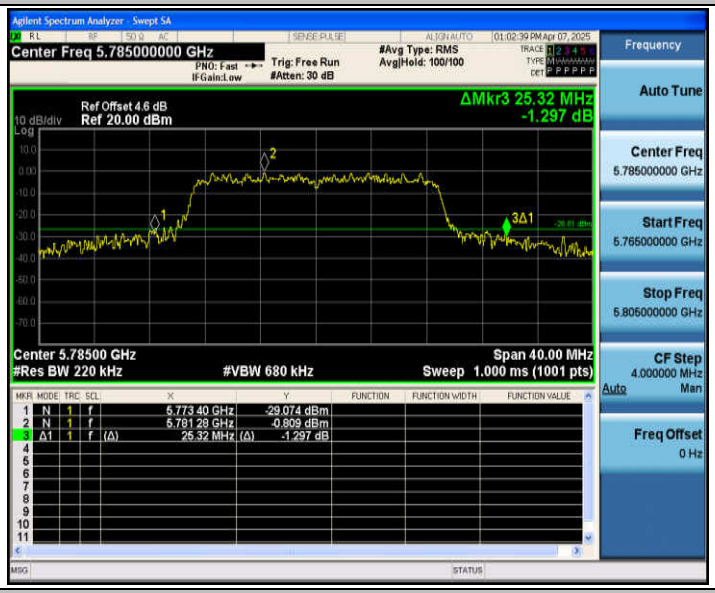
11AX20SISO_Ant1_5240



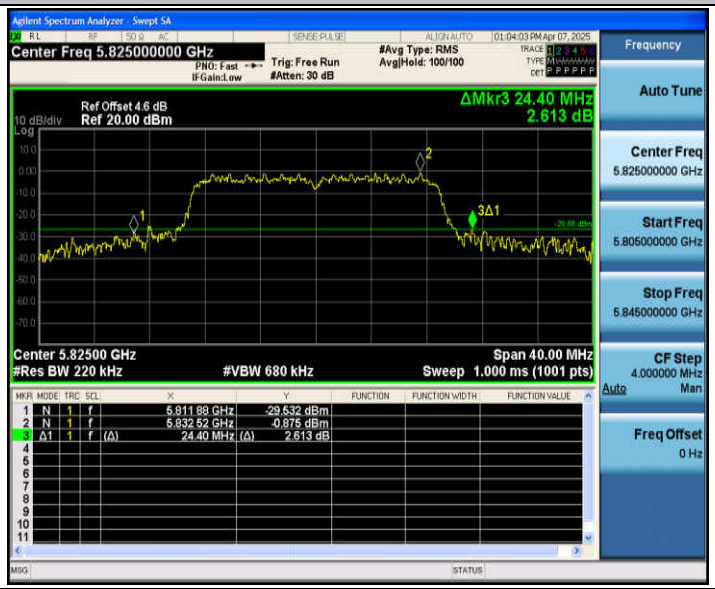
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5190

11AX40SISO_Ant1_5230

11AX40SISO_Ant1_5755

11AX40SISO_Ant1_5795

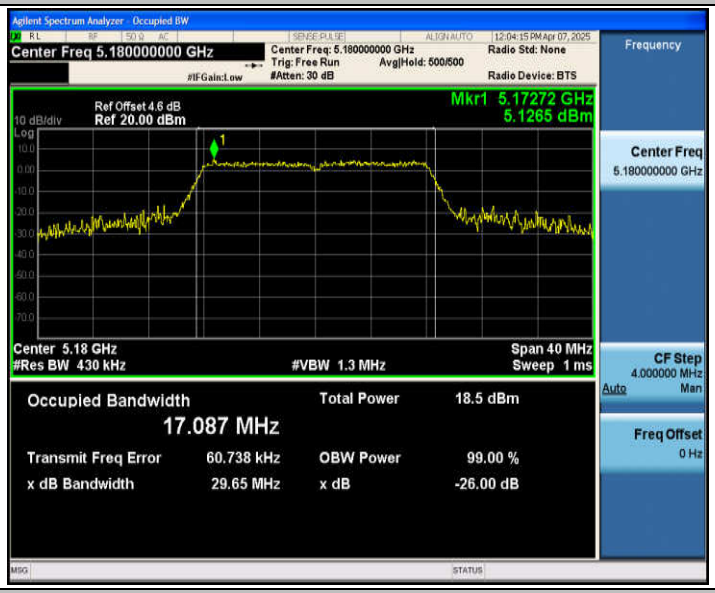
Appendix A2: Occupied channel bandwidth

Test Result

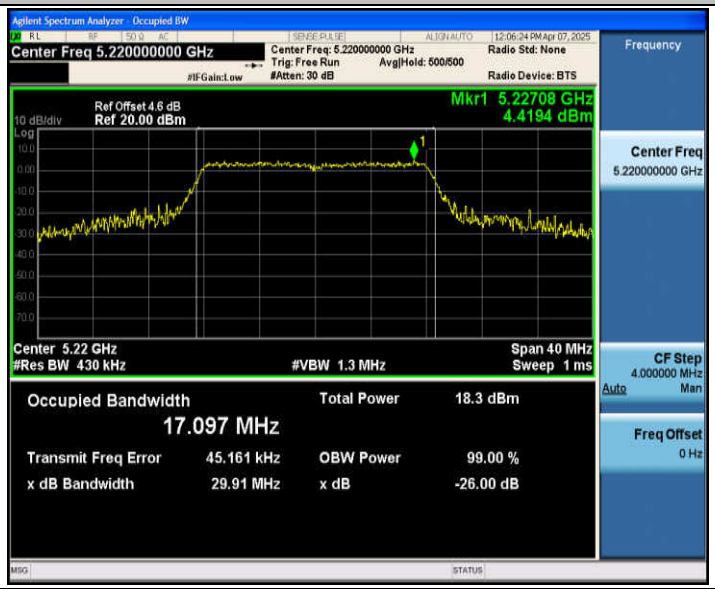
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.087	5171.5172	5188.6042	---	---
		5220	17.097	5211.4967	5228.5937	---	---
		5240	17.103	5231.4740	5248.5770	---	---
		5745	17.313	5736.3244	5753.6374	---	---
		5785	17.101	5776.4245	5793.5255	---	---
		5825	17.139	5816.4708	5833.6098	---	---
11N20SISO	Ant1	5180	18.297	5170.9773	5189.2743	---	---
		5220	18.179	5210.9885	5229.1675	---	---
		5240	18.147	5230.9907	5249.1377	---	---
		5745	18.171	5735.9382	5754.1092	---	---
		5785	18.117	5775.9675	5794.0845	---	---
		5825	18.093	5815.9912	5834.0842	---	---
11N40SISO	Ant1	5190	36.826	5171.7556	5208.5816	---	---
		5230	36.704	5211.7744	5248.4784	---	---
		5755	36.659	5736.6298	5773.2888	---	---
		5795	36.552	5776.7576	5813.3096	---	---
11AC20SISO	Ant1	5180	17.897	5171.1519	5189.0489	---	---
		5220	17.857	5211.1034	5228.9604	---	---
		5240	17.869	5231.0870	5248.9560	---	---
		5745	17.969	5736.0026	5753.9716	---	---
		5785	17.913	5776.0633	5793.9763	---	---
		5825	17.840	5816.1331	5833.9731	---	---
11AC40SISO	Ant1	5190	36.686	5171.8645	5208.5505	---	---
		5230	36.619	5211.7993	5248.4183	---	---
		5755	36.465	5736.7780	5773.2430	---	---
		5795	36.410	5776.8388	5813.2488	---	---
11AX20SISO	Ant1	5180	17.907	5171.1027	5189.0097	---	---
		5220	17.949	5211.0810	5229.0300	---	---
		5240	17.907	5231.1003	5249.0073	---	---
		5745	17.989	5735.9665	5753.9555	---	---
		5785	17.911	5776.0697	5793.9807	---	---
		5825	17.827	5816.1156	5833.9426	---	---
11AX40SISO	Ant1	5190	36.865	5171.7453	5208.6103	---	---
		5230	36.681	5211.7875	5248.4685	---	---
		5755	36.429	5736.8167	5773.2457	---	---
		5795	36.413	5776.8547	5813.2677	---	---

Test Graphs

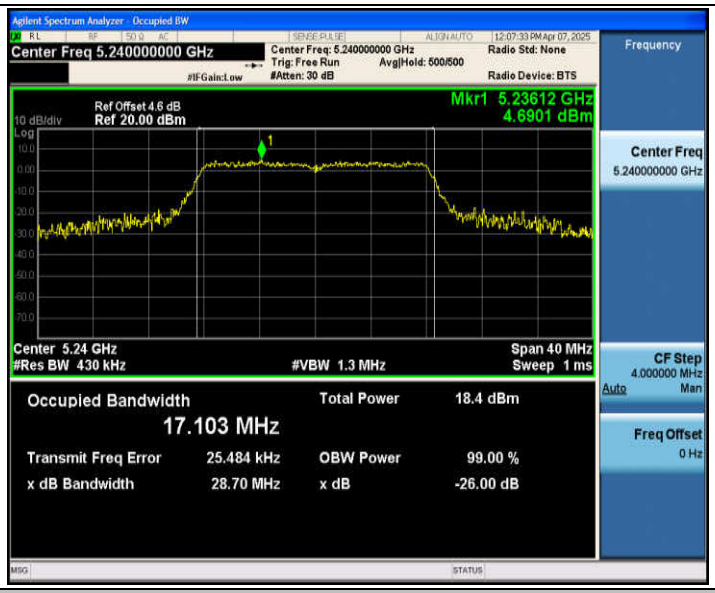
11A_Ant1_5180



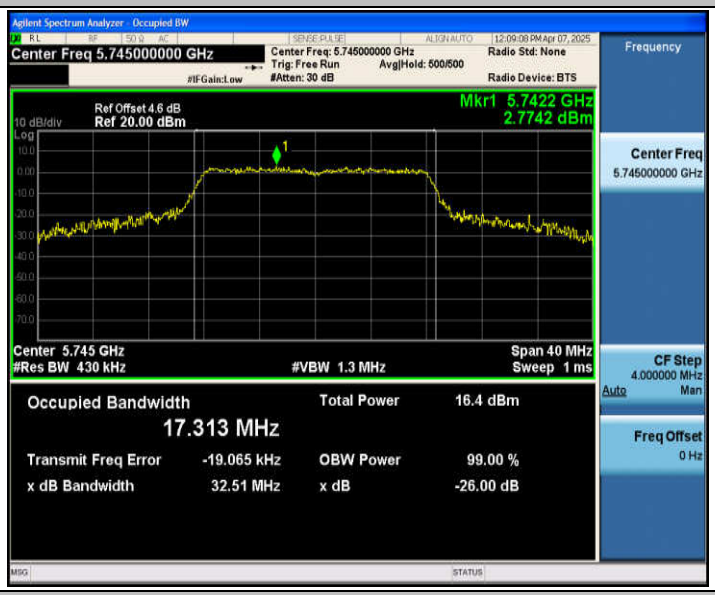
11A_Ant1_5220



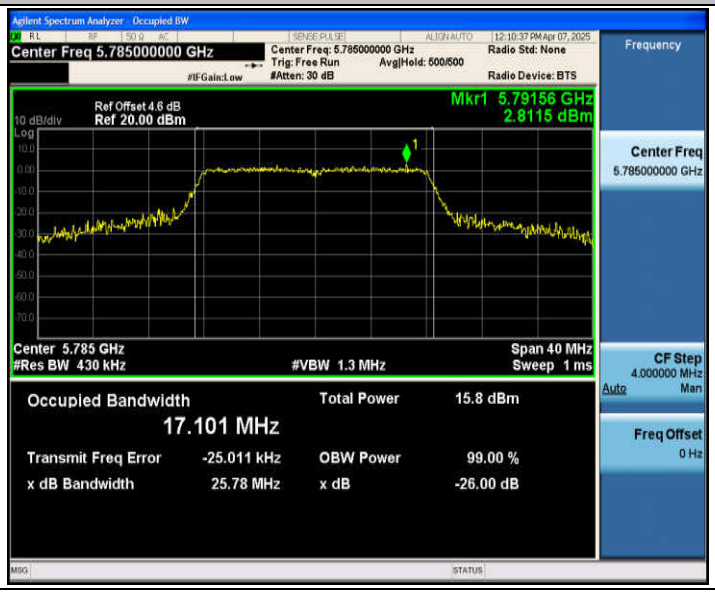
11A_Ant1_5240



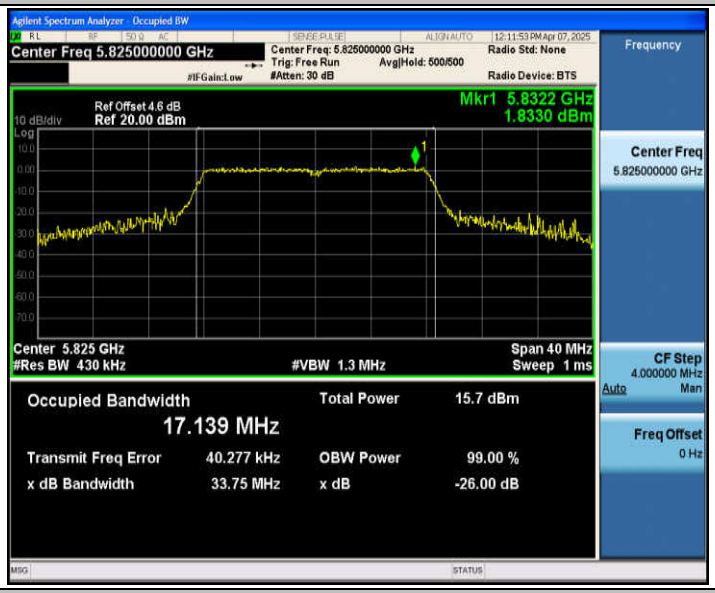
11A_Ant1_5745



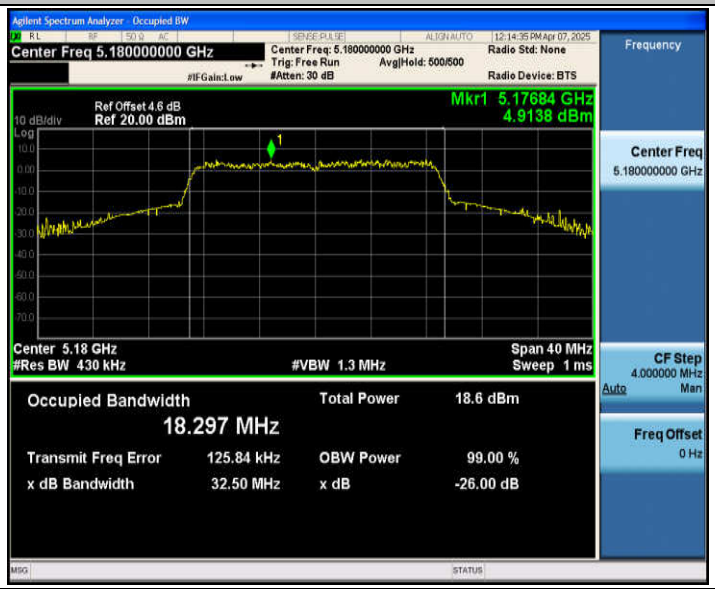
11A_Ant1_5785



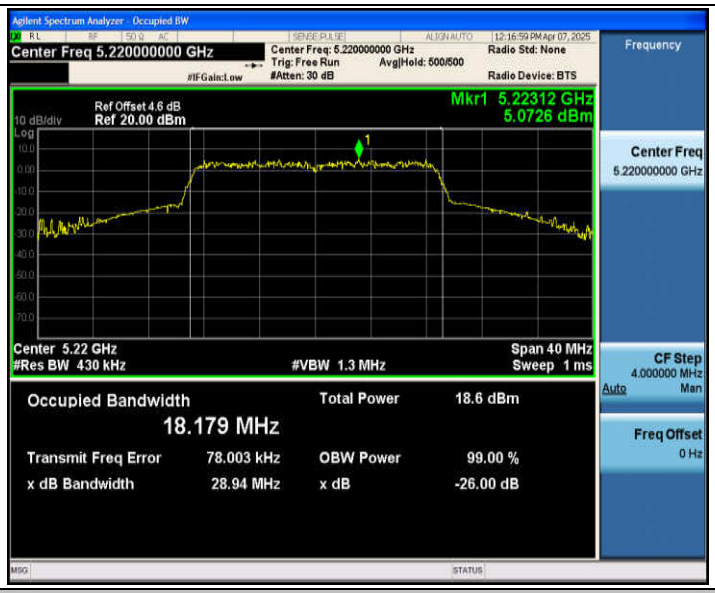
11A_Ant1_5825



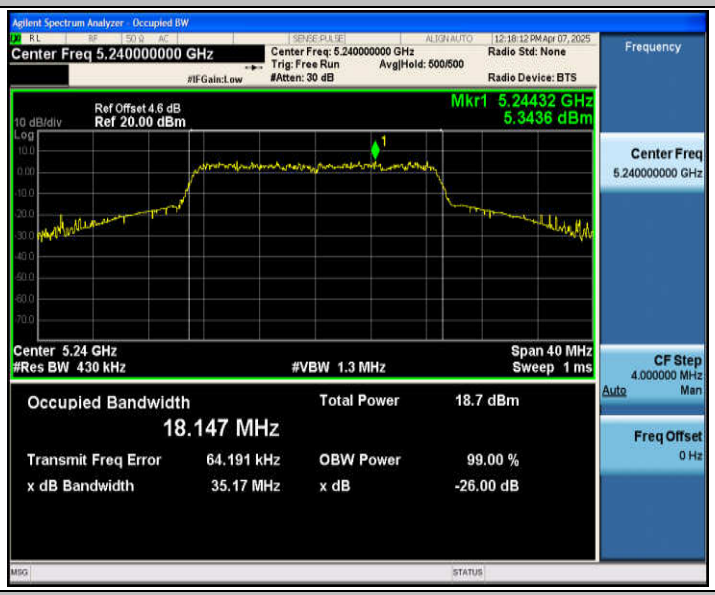
11N20SISO_Ant1_5180



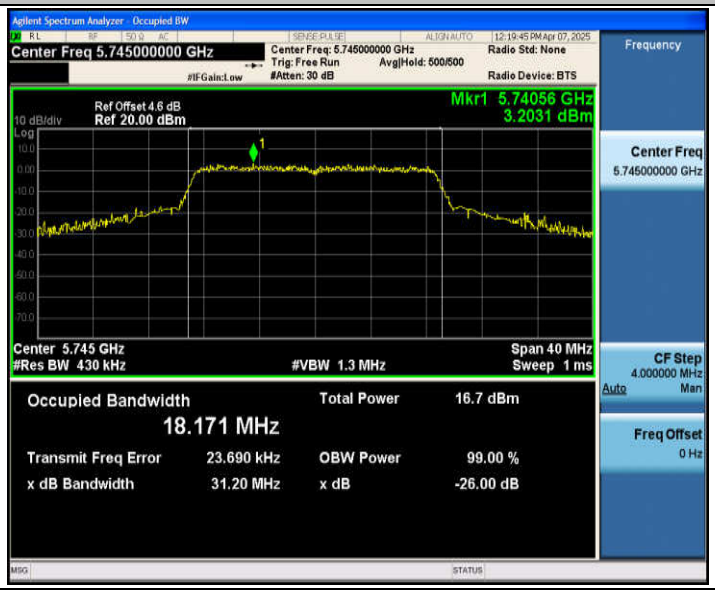
11N20SISO_Ant1_5220



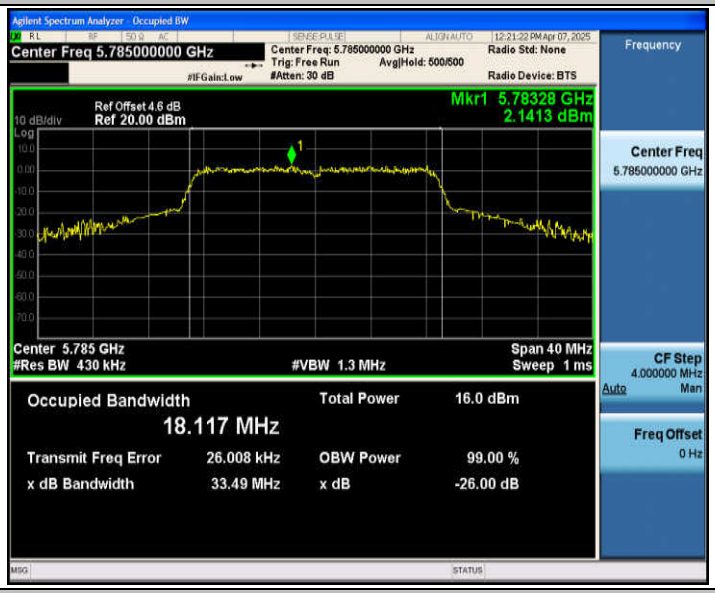
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



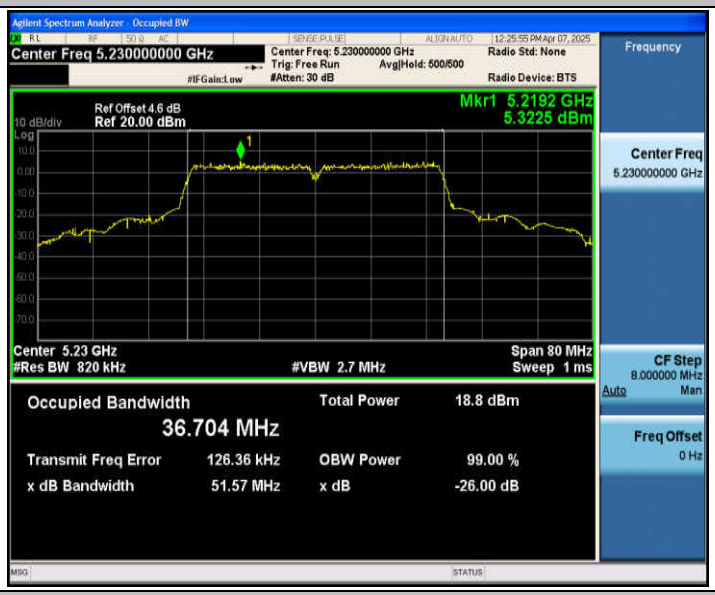
11N20SISO_Ant1_5785



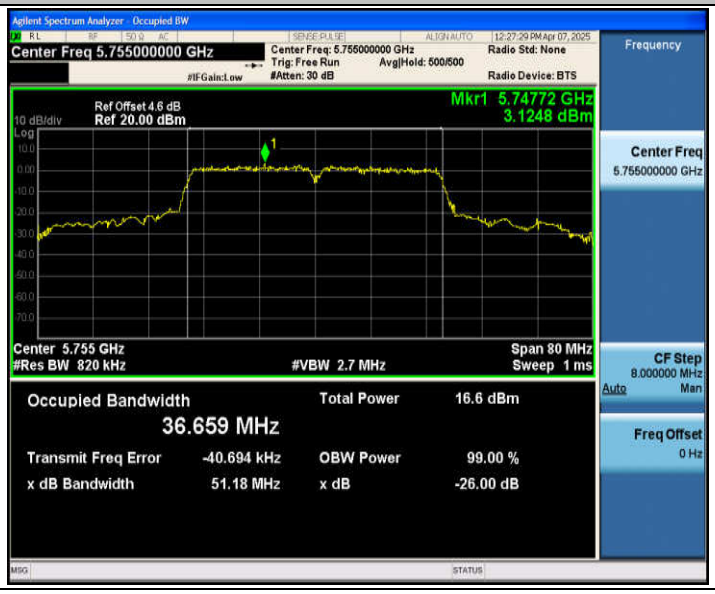
11N20SISO_Ant1_5825

11N40SISO_Ant1_5190

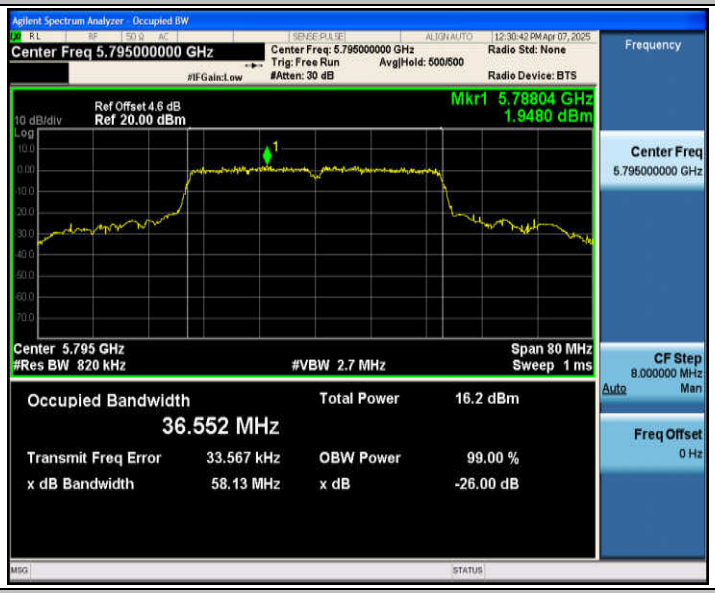
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755

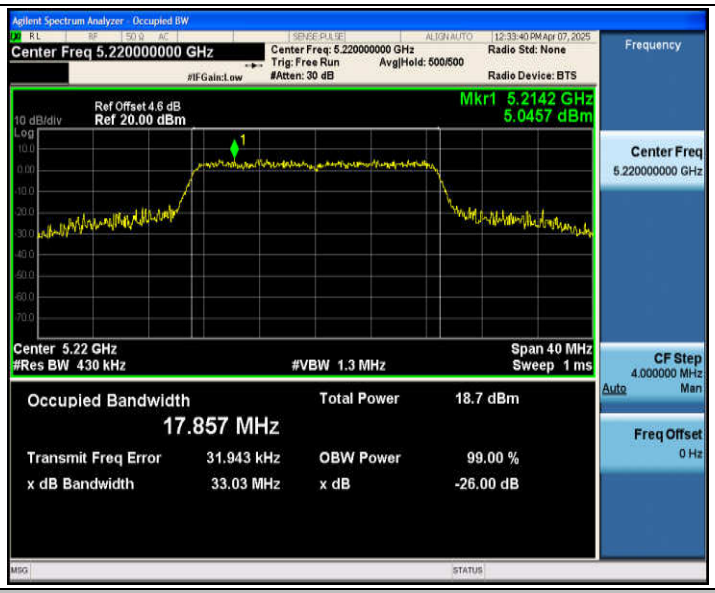


11N40SISO_Ant1_5795

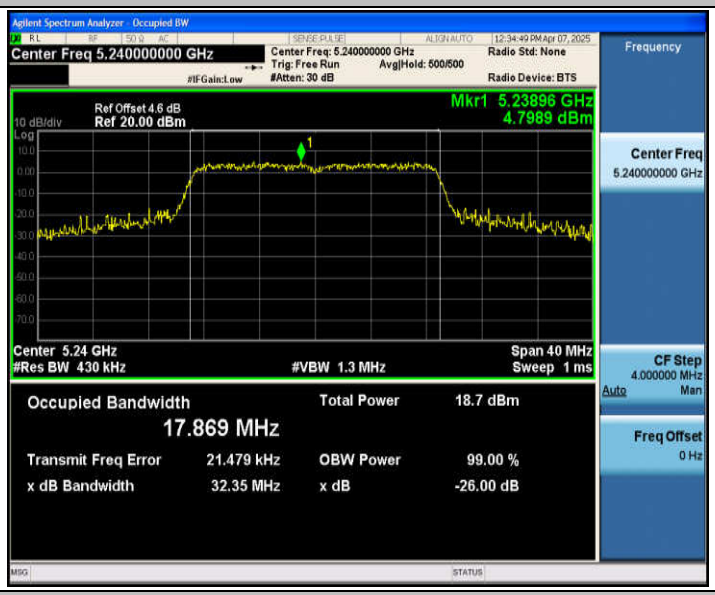


11AC20SISO_Ant1_5180

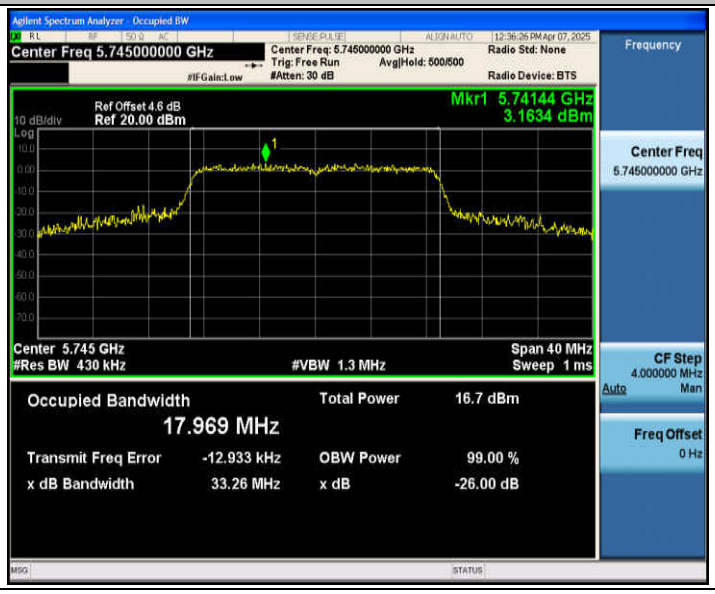
11AC20SISO_Ant1_5220



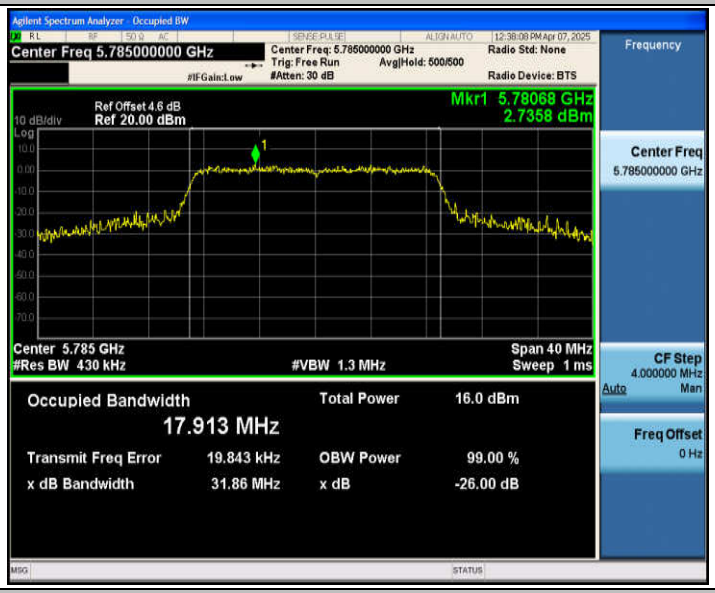
11AC20SISO_Ant1_5240



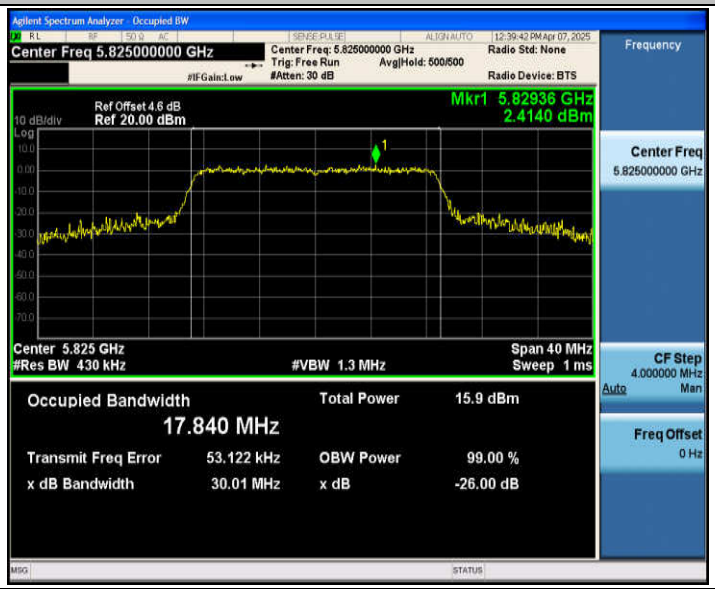
11AC20SISO_Ant1_5745



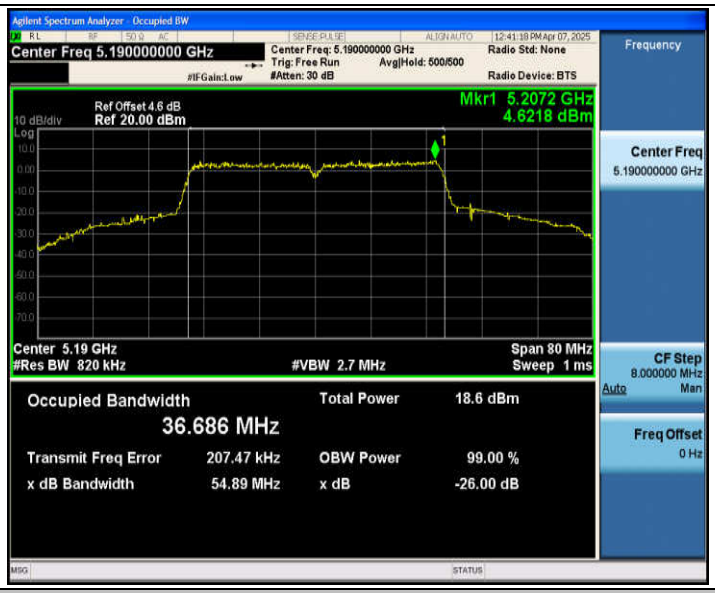
11AC20SISO_Ant1_5785



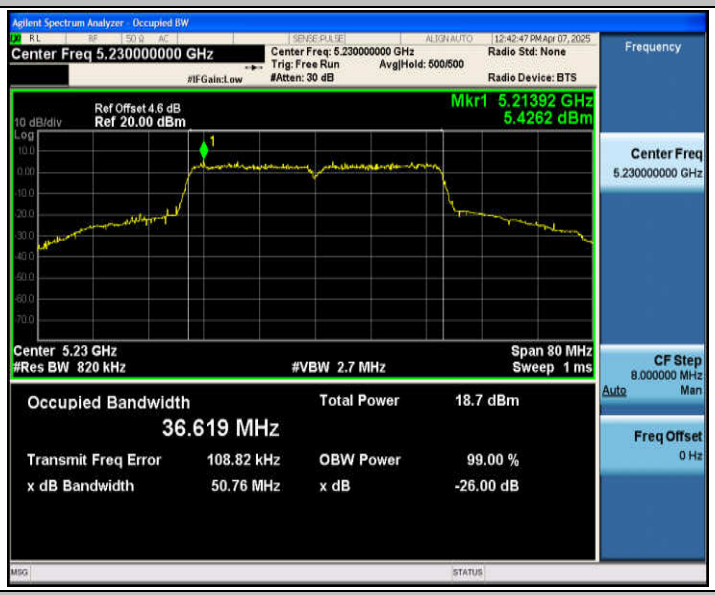
11AC20SISO_Ant1_5825



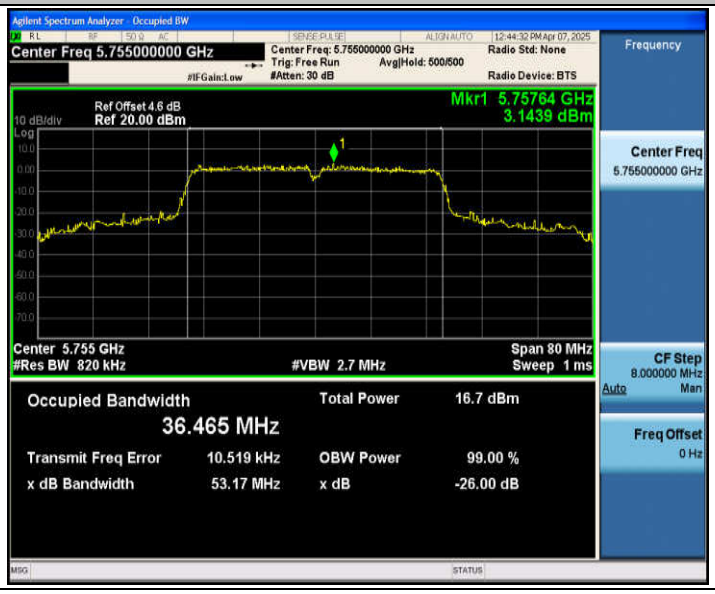
11AC40SISO_Ant1_5190



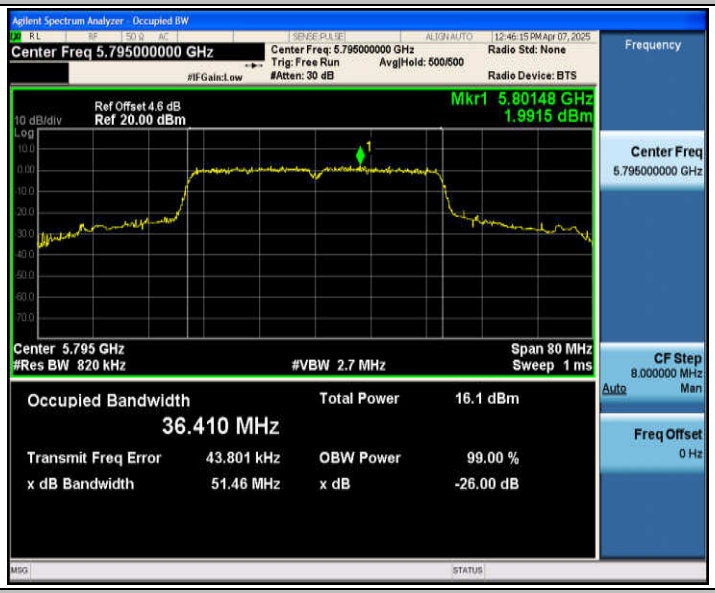
11AC40SISO_Ant1_5230



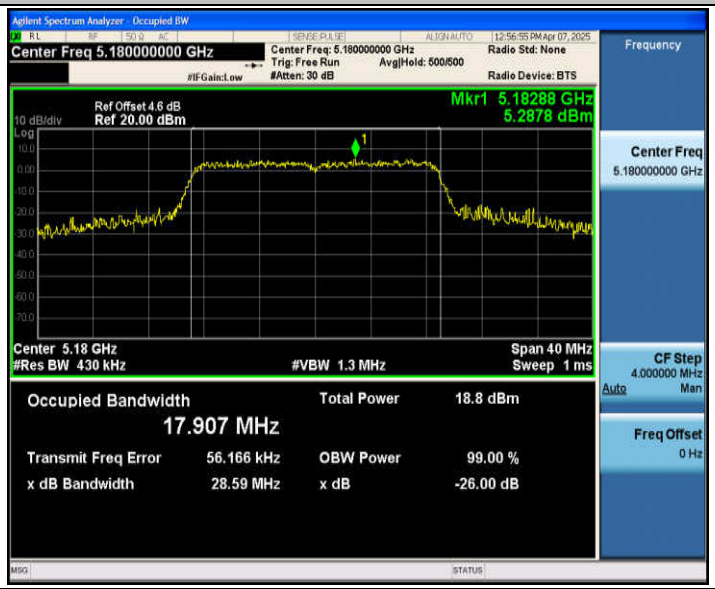
11AC40SISO_Ant1_5755



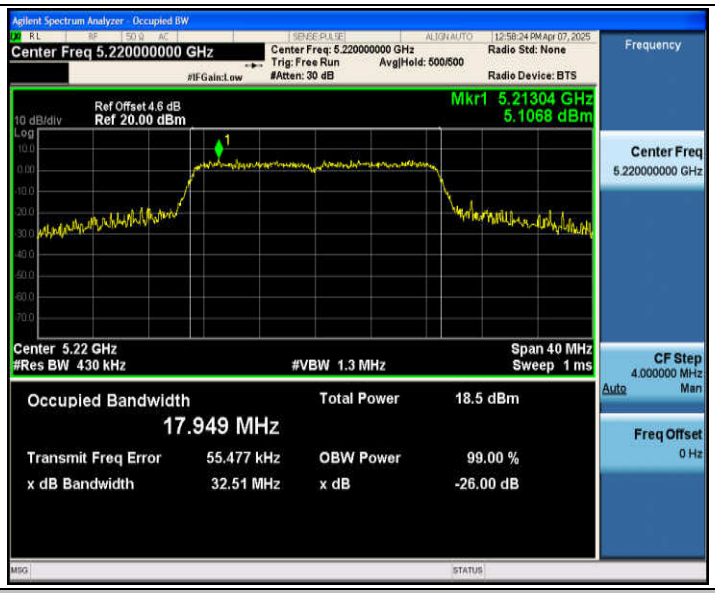
11AC40SISO_Ant1_5795



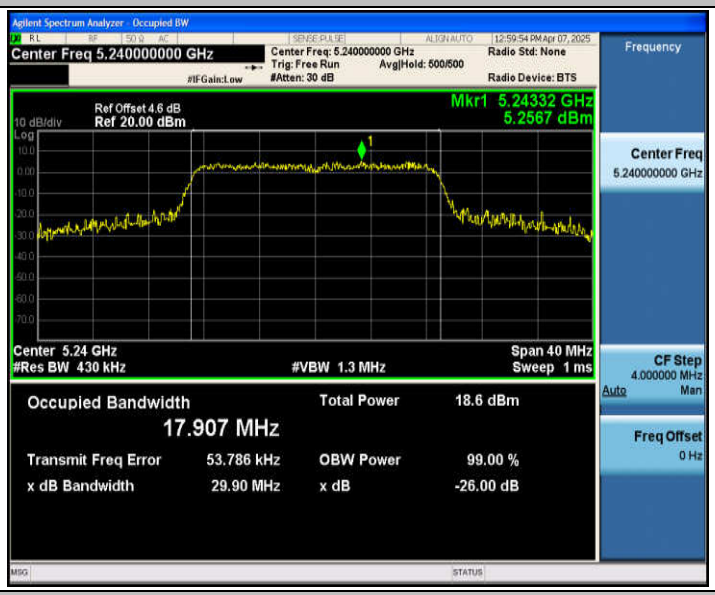
11AX20SISO_Ant1_5180



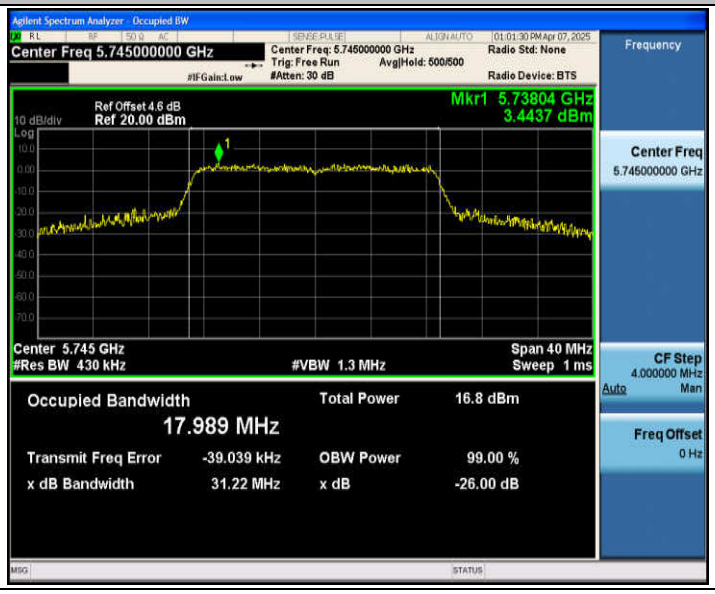
11AX20SISO_Ant1_5220



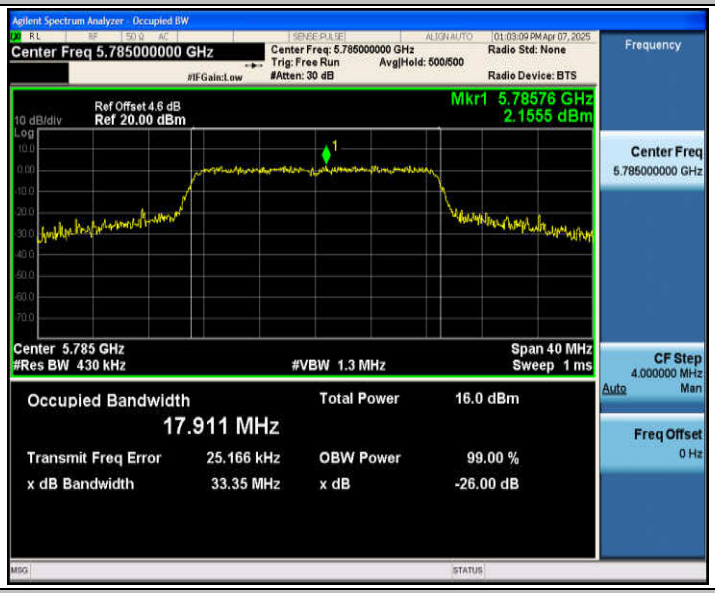
11AX20SISO_Ant1_5240



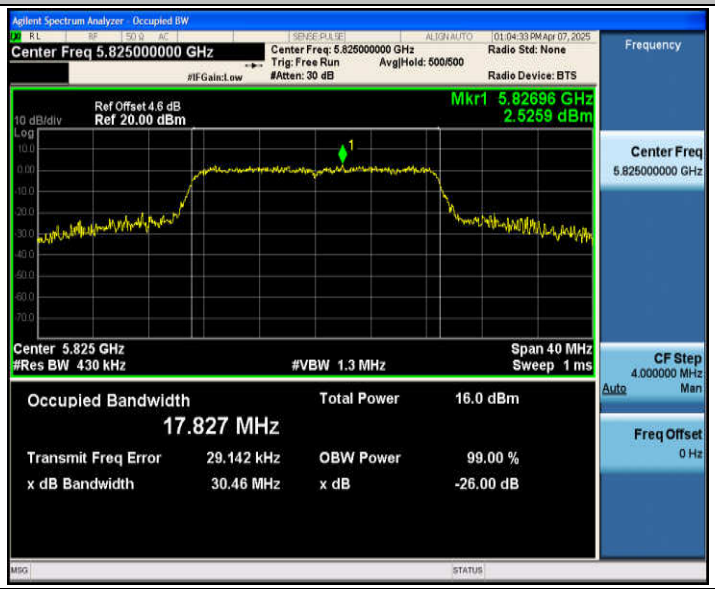
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



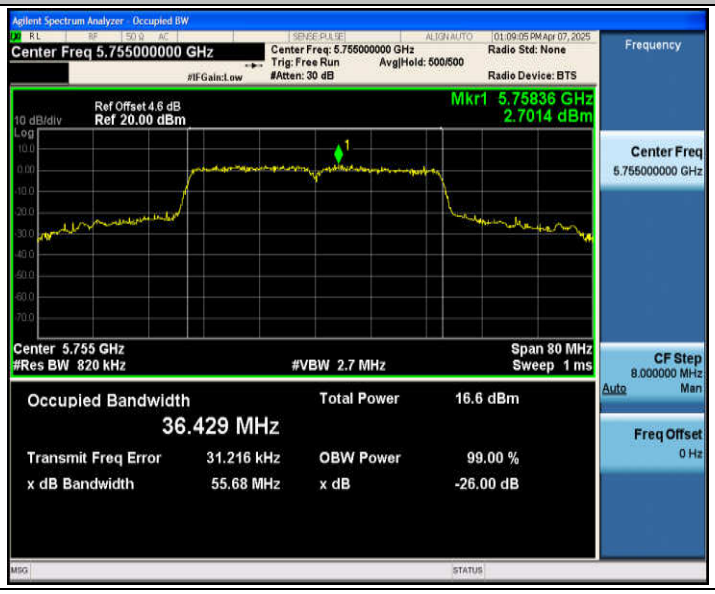
11AX20SISO_Ant1_5825

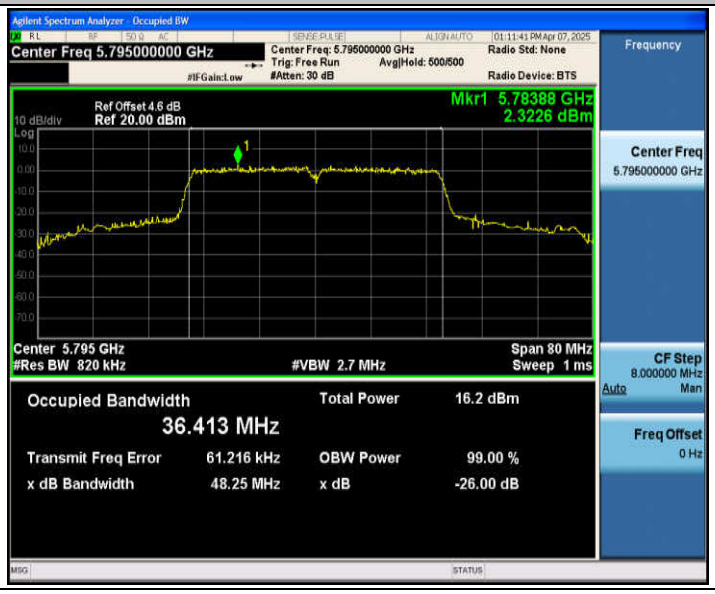


11AX40SISO_Ant1_5190

11AX40SISO_Ant1_5230

11AX40SISO_Ant1_5755



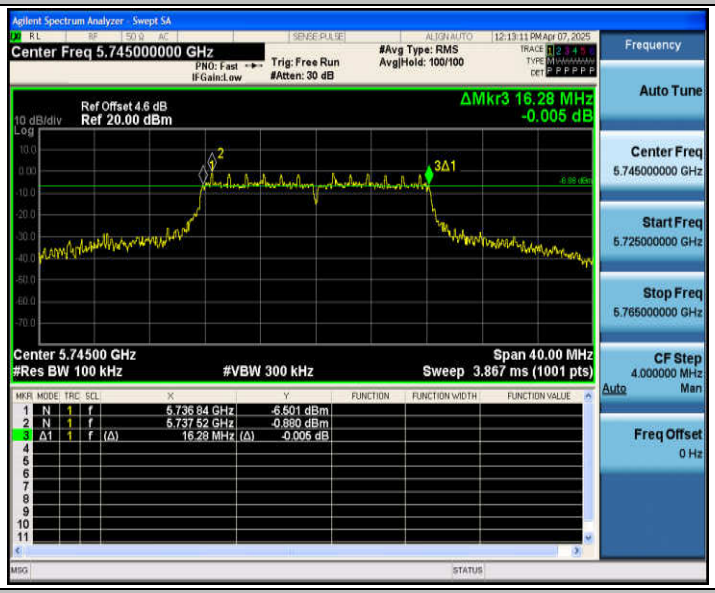
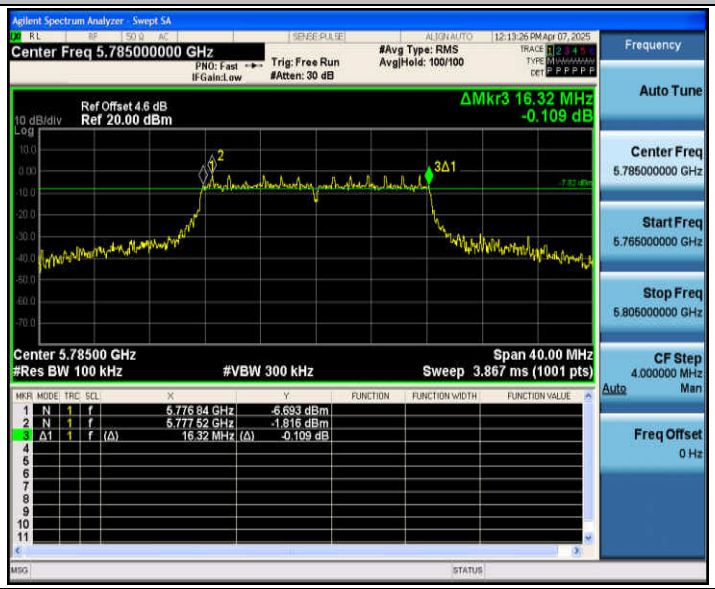
11AX40SISO_Ant1_5795


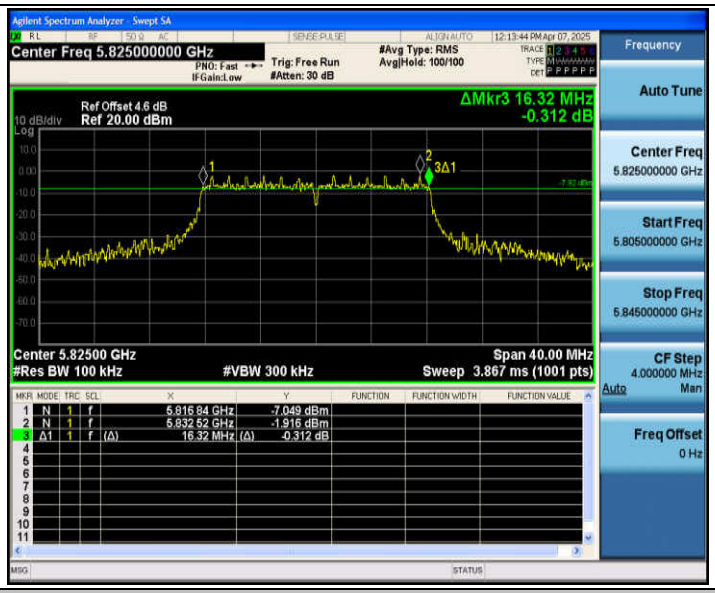
Appendix A3: Min emission bandwidth

Test Result B4

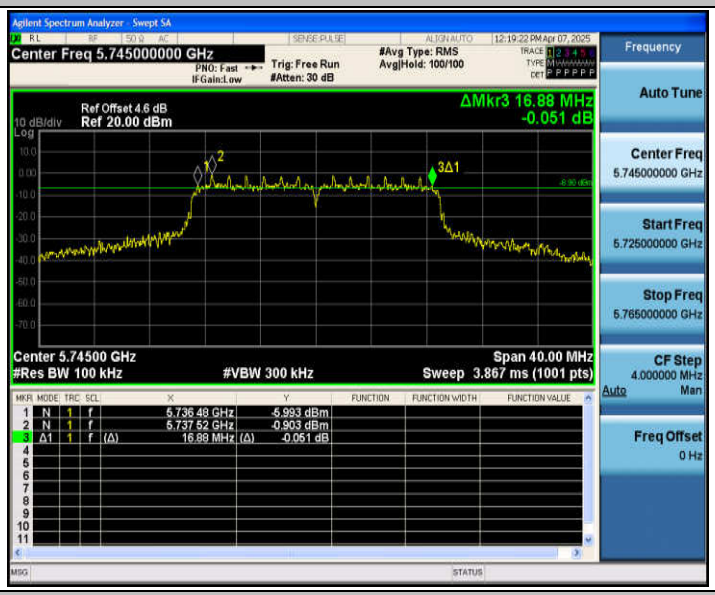
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.840	5753.120	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.880	5736.480	5753.360	0.5	PASS
		5785	16.480	5776.760	5793.240	0.5	PASS
		5825	17.080	5816.400	5833.480	0.5	PASS
11N40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.680	5736.560	5753.240	0.5	PASS
		5785	16.960	5776.400	5793.360	0.5	PASS
		5825	16.640	5816.680	5833.320	0.5	PASS
11AC40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.360	5777.240	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	16.800	5736.560	5753.360	0.5	PASS
		5785	16.880	5776.480	5793.360	0.5	PASS
		5825	16.960	5816.520	5833.480	0.5	PASS
11AX40SISO	Ant1	5755	35.360	5737.240	5772.600	0.5	PASS
		5795	35.520	5777.080	5812.600	0.5	PASS

Test Graphs B4

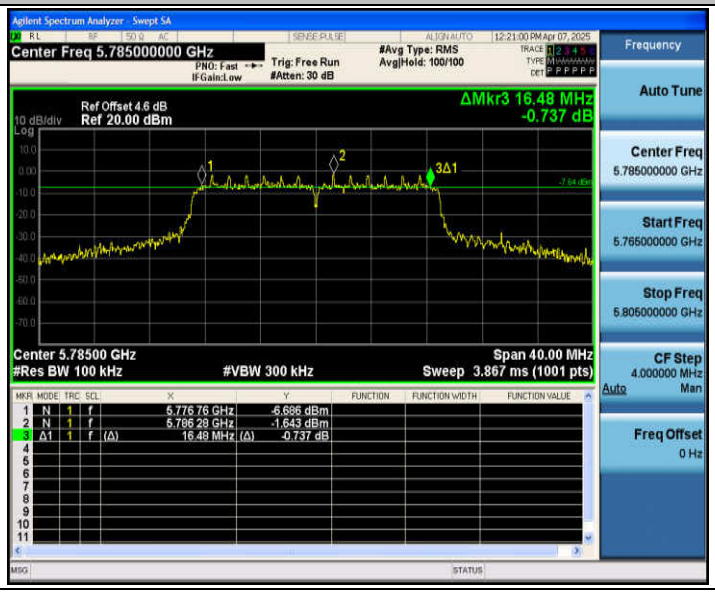
11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825



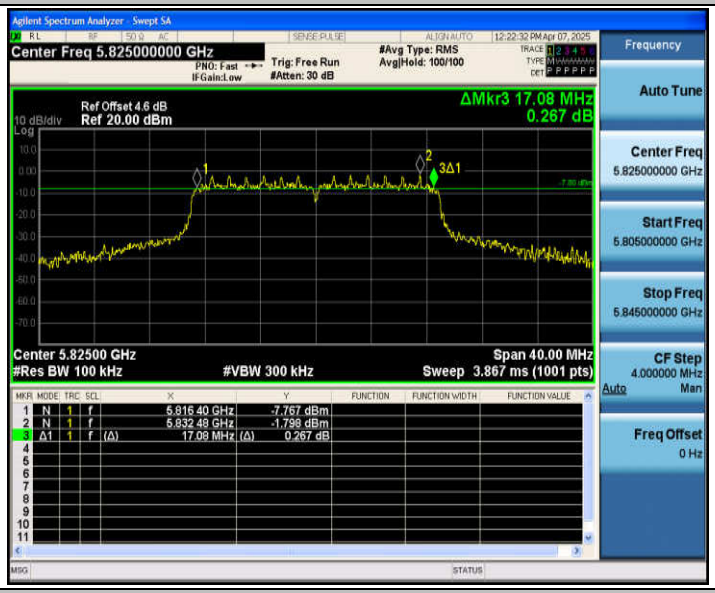
11N20SISO_Ant1_5745



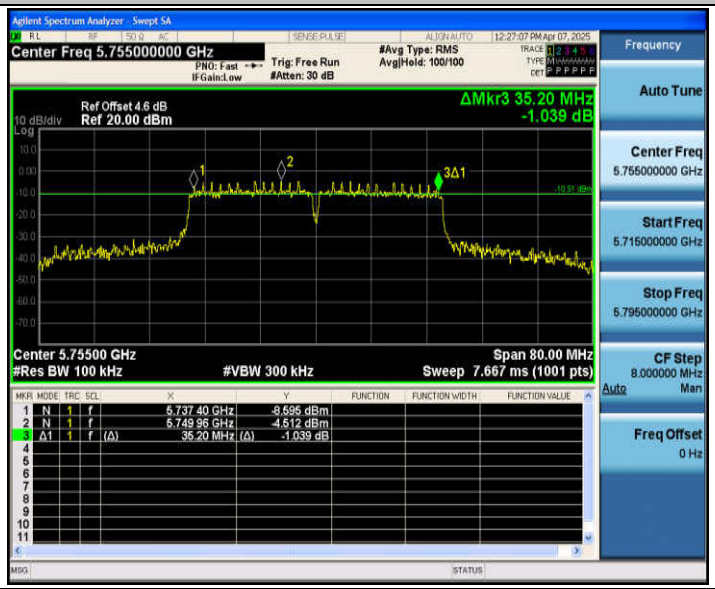
11N20SISO_Ant1_5785



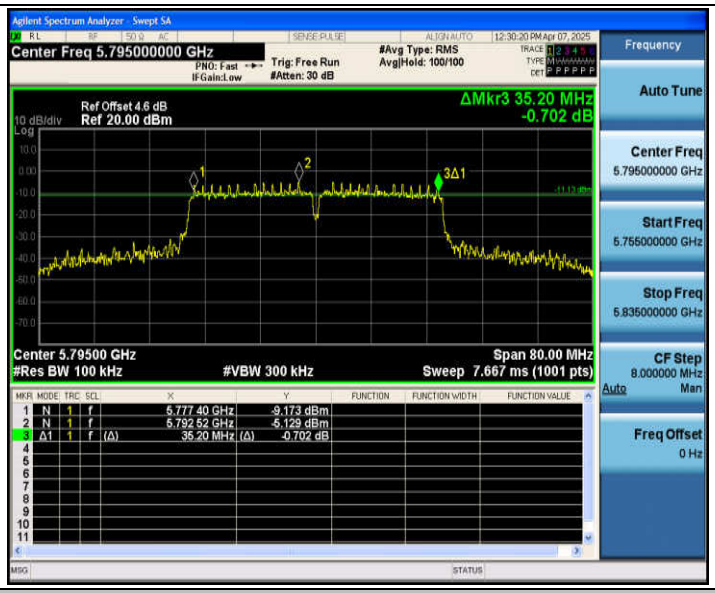
11N20SISO_Ant1_5825



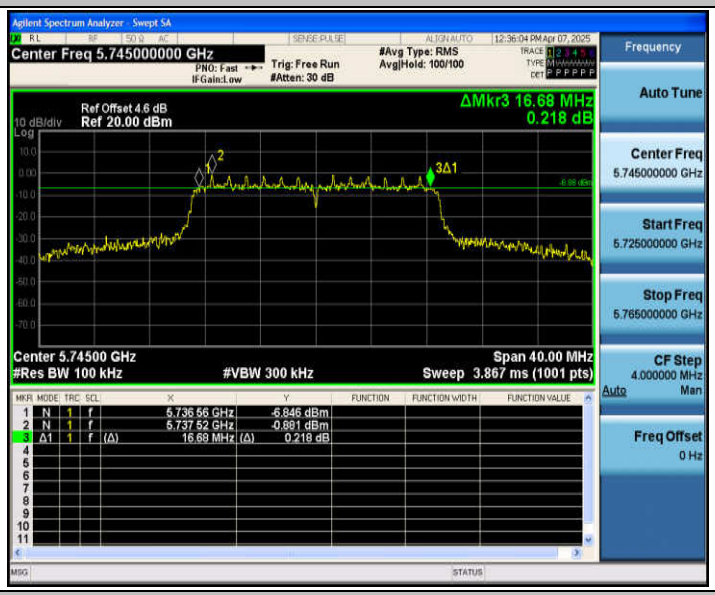
11N40SISO_Ant1_5755



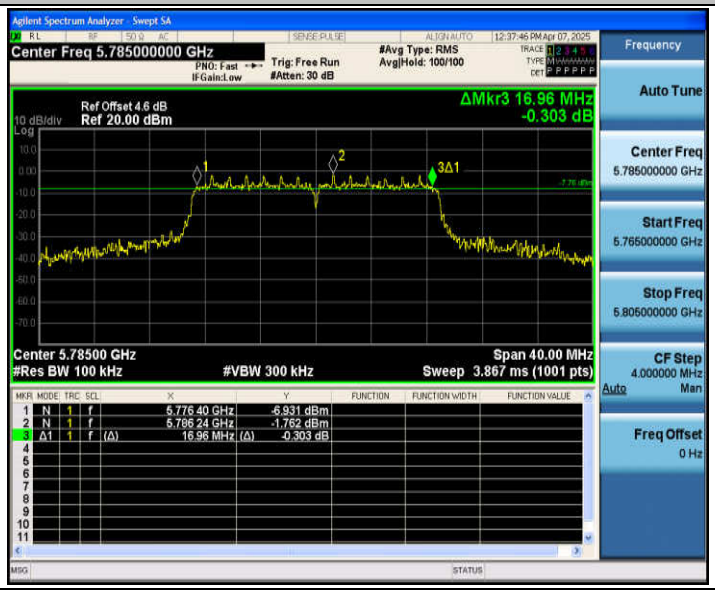
11N40SISO_Ant1_5795



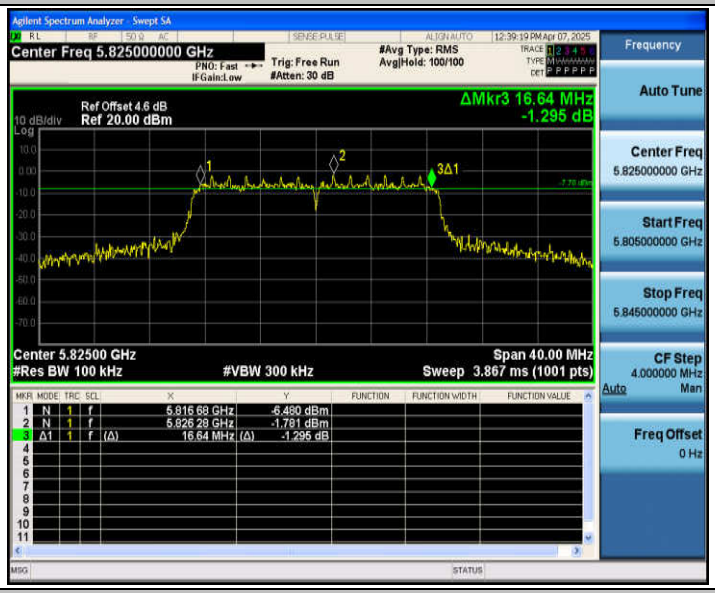
11AC20SISO_Ant1_5745



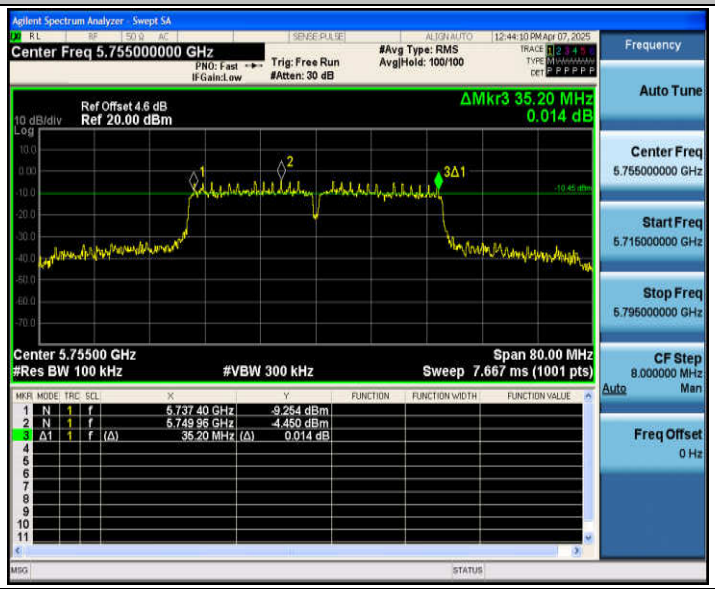
11AC20SISO_Ant1_5785



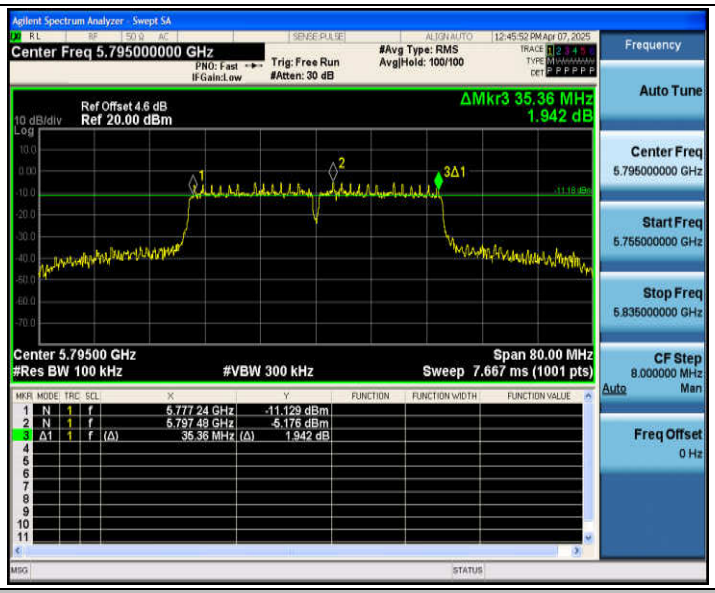
11AC20SISO_Ant1_5825



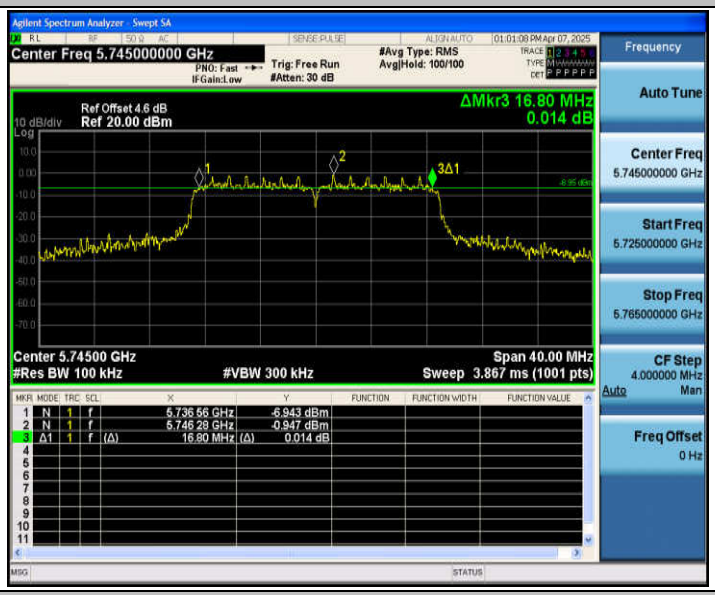
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



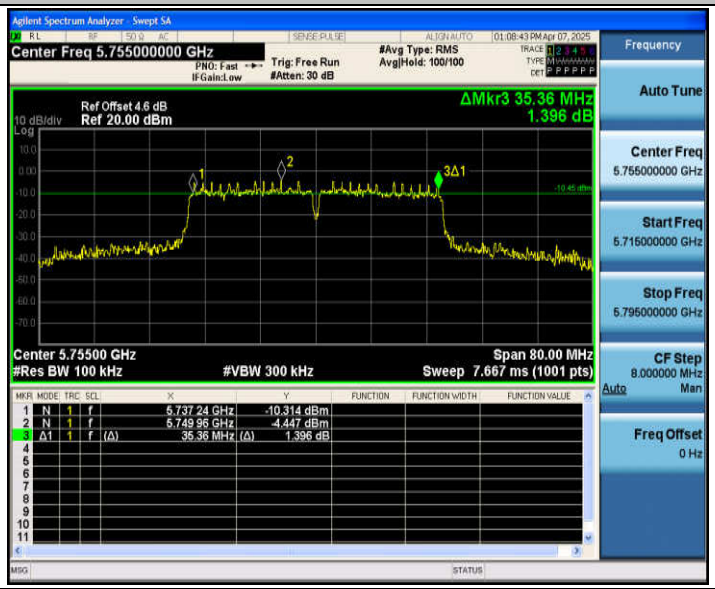
11AX20SISO_Ant1_5745



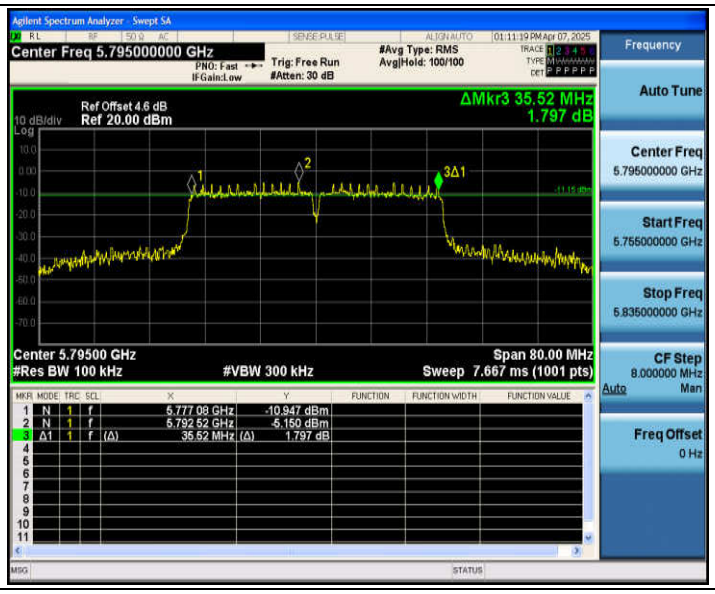
11AX20SISO_Ant1_5785

11AX20SISO_Ant1_5825

11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
01:11:19 PM Apr 07, 2025
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.755000000 GHz
Stop Freq
5.835000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
Ref Offset 4.6 dB
10 dB/div
Ref 20.00 dBm
Log
ΔMkr3 35.52 MHz
1.797 dB
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80.00 MHz
Sweep 7.667 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 5.777 08 GHz -10.947 dBm
2 N 1 f 5.792 52 GHz -5.150 dBm
3 Δ1 1 f (Δ) 35.52 MHz (Δ) 1.797 dB
MSG
STATUS

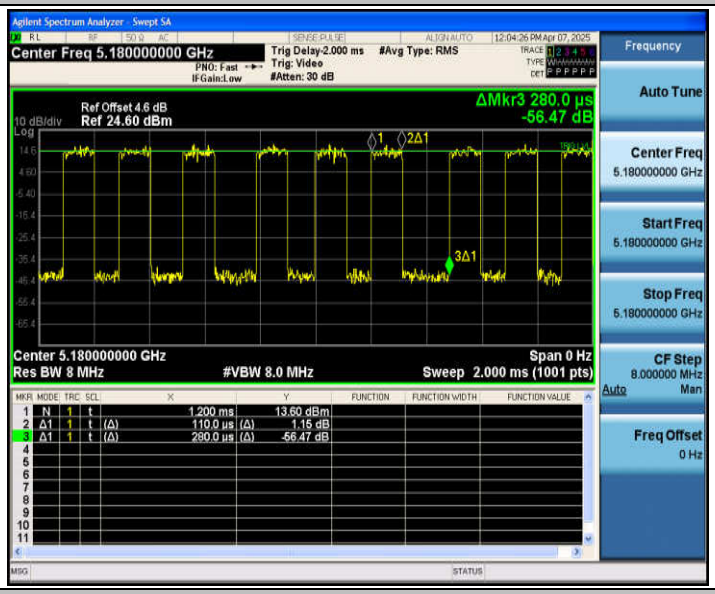
Appendix B: Duty Cycle

Test Result

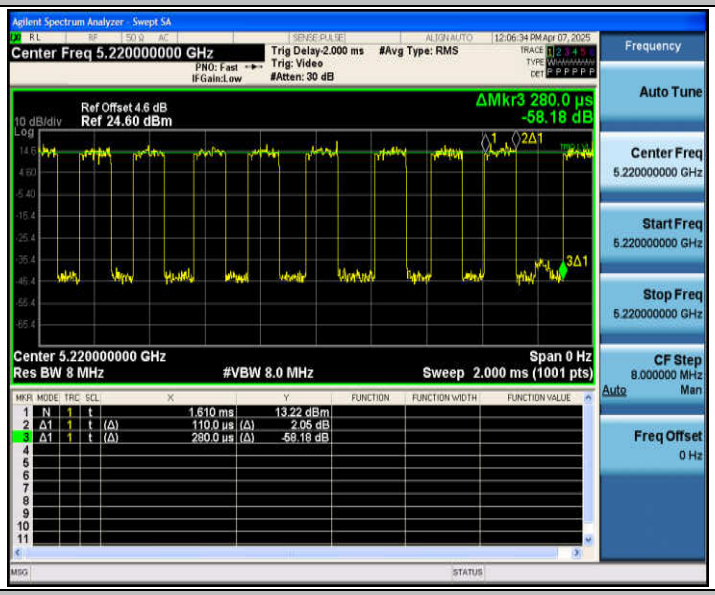
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.11	0.28	39.29	4.06	---	---
		5220	0.11	0.28	39.29	4.06	---	---
		5240	0.11	0.28	39.29	4.06	---	---
		5745	0.12	0.23	52.17	2.83	---	---
		5785	0.11	0.28	39.29	4.06	---	---
		5825	0.11	0.29	37.93	4.21	---	---
11N20SISO	Ant1	5180	0.12	0.29	41.38	3.83	---	---
		5220	0.11	0.28	39.29	4.06	---	---
		5240	0.11	0.26	42.31	3.74	---	---
		5745	0.11	0.28	39.29	4.06	---	---
		5785	0.12	0.23	52.17	2.83	---	---
		5825	0.11	0.27	40.74	3.90	---	---
11N40SISO	Ant1	5190	0.07	0.27	25.93	5.86	---	---
		5230	0.07	0.25	28.00	5.53	---	---
		5755	0.08	0.26	30.77	5.12	---	---
		5795	0.08	0.24	33.33	4.77	---	---
11AC20SISO	Ant1	5180	0.12	0.30	40.00	3.98	---	---
		5220	0.12	0.29	41.38	3.83	---	---
		5240	0.12	0.30	40.00	3.98	---	---
		5745	0.12	0.29	41.38	3.83	---	---
		5785	0.12	0.32	37.50	4.26	---	---
		5825	0.12	0.33	36.36	4.39	---	---
11AC40SISO	Ant1	5190	0.07	0.26	26.92	5.70	---	---
		5230	0.07	0.25	28.00	5.53	---	---
		5755	0.07	0.26	26.92	5.70	---	---
		5795	0.08	0.27	29.63	5.28	---	---
11AX20SISO	Ant1	5180	0.12	0.29	41.38	3.83	---	---
		5220	0.12	0.33	36.36	4.39	---	---
		5240	0.12	0.26	46.15	3.36	---	---
		5745	0.12	0.29	41.38	3.83	---	---
		5785	0.12	0.26	46.15	3.36	---	---
		5825	0.12	0.26	46.15	3.36	---	---
11AX40SISO	Ant1	5190	0.08	0.26	30.77	5.12	---	---
		5230	0.08	0.25	32.00	4.95	---	---
		5755	0.08	0.26	30.77	5.12	---	---
		5795	0.08	0.25	32.00	4.95	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240