

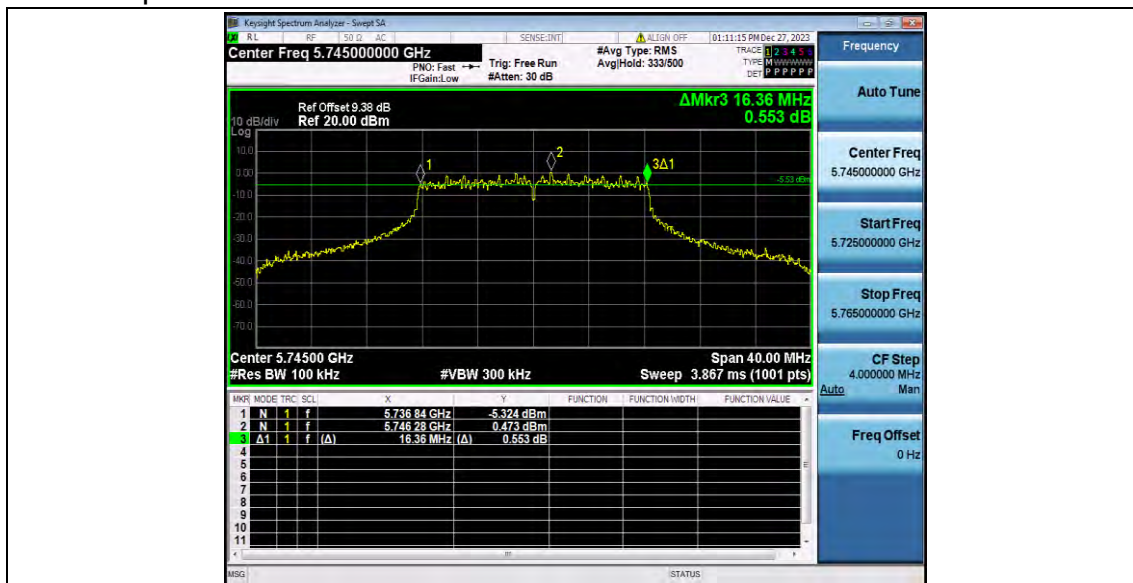
Case No. : <u>GTS20231018011-1-41</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.27</u>	Test Engineer: <u>Evan ouyang</u>

Appendix G.1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.840	5753.200	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	15.960	5737.200	5753.160	0.5	PASS
		5785	15.720	5777.200	5792.920	0.5	PASS
		5825	16.080	5816.840	5832.920	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	18.960	5735.520	5754.480	0.5	PASS
		5785	18.960	5775.560	5794.520	0.5	PASS
		5825	18.920	5815.600	5834.520	0.5	PASS
11AX40SISO	Ant1	5755	38.000	5736.040	5774.040	0.5	PASS
		5795	38.080	5775.960	5814.040	0.5	PASS
11AX80SISO	Ant1	5775	78.080	5735.960	5814.040	0.5	PASS

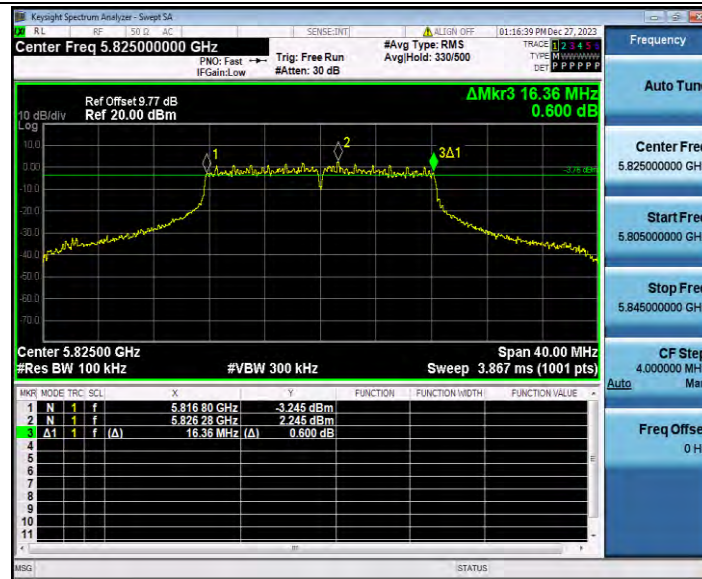
Test Graphs



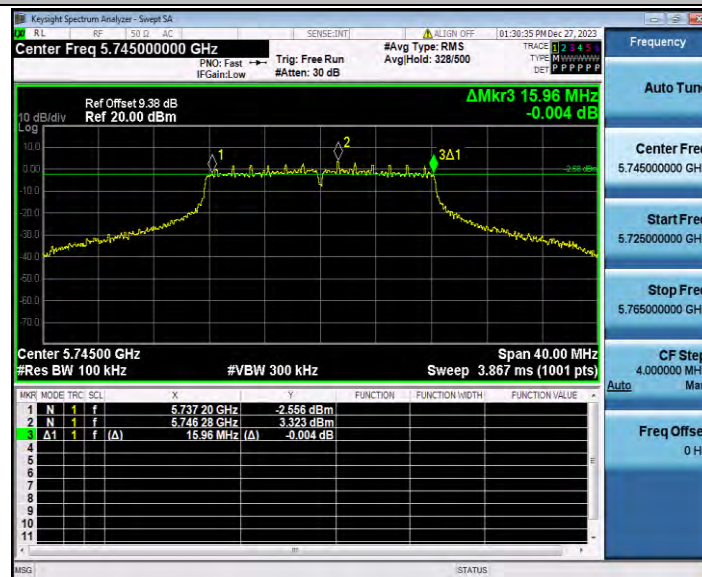
11A_Ant1_5745



11A_Ant1_5785



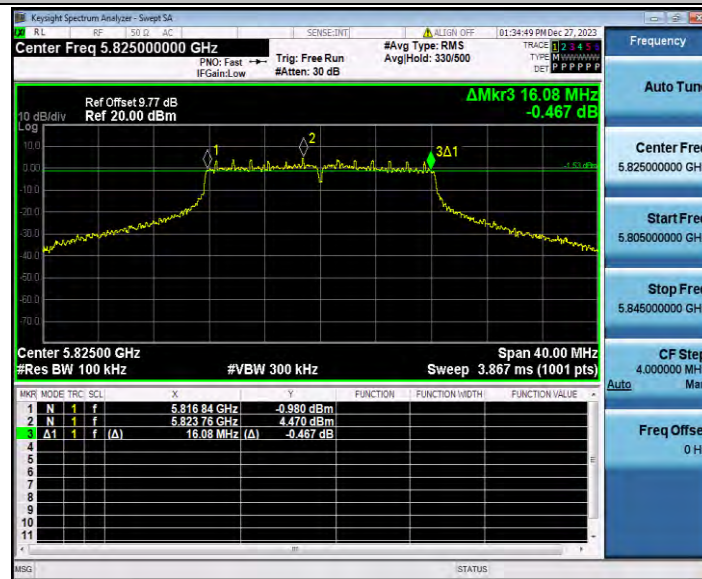
11A_Ant1_5825



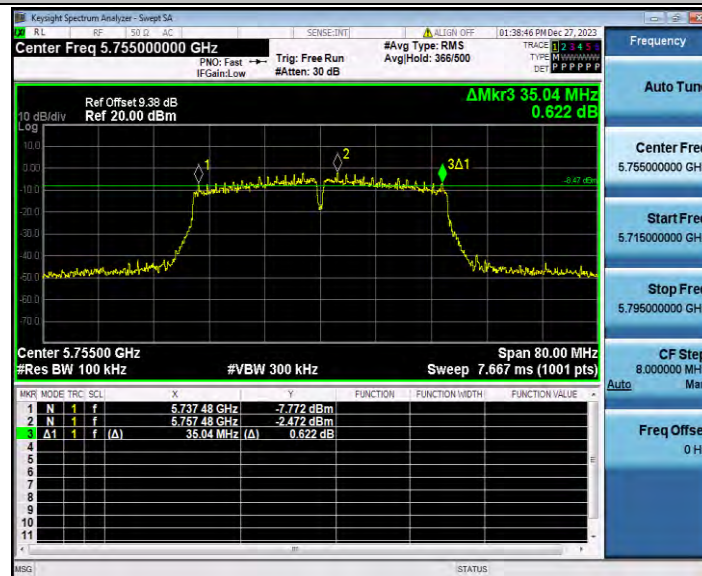
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



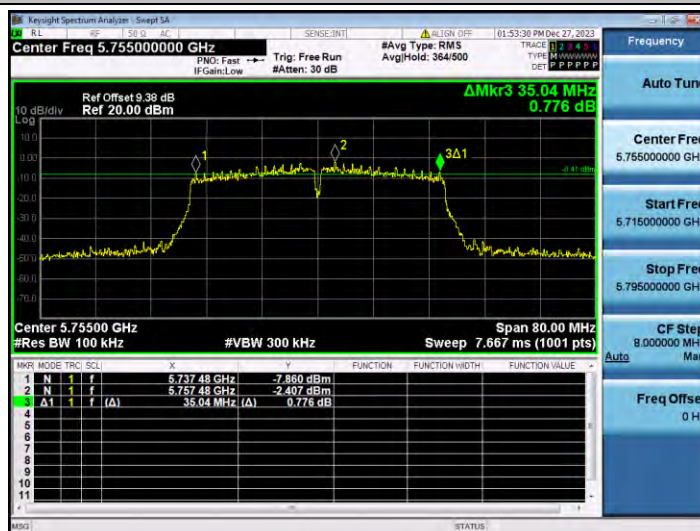
11N40SISO_Ant1_5755



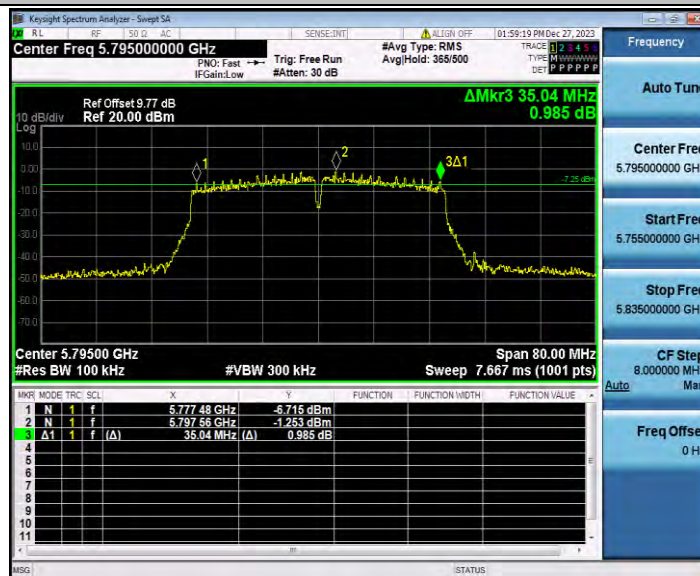
11AC20SISO_Ant1_5785



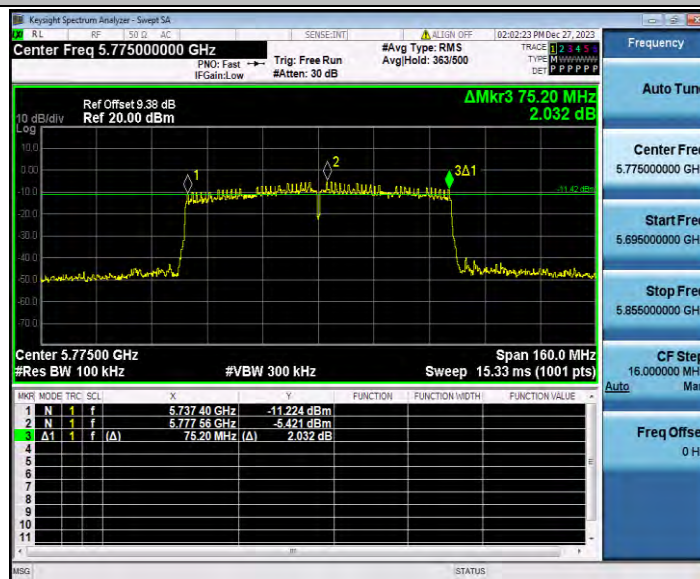
11AC20SISO_Ant1_5825



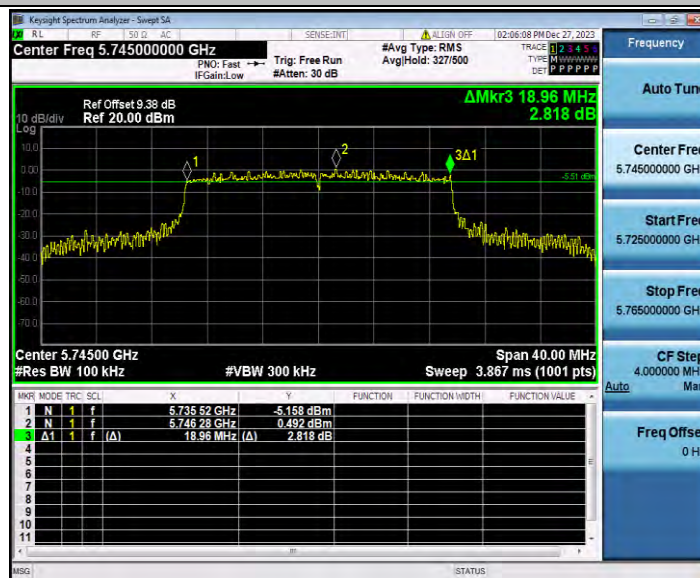
11AC40SISO_Ant1_5755



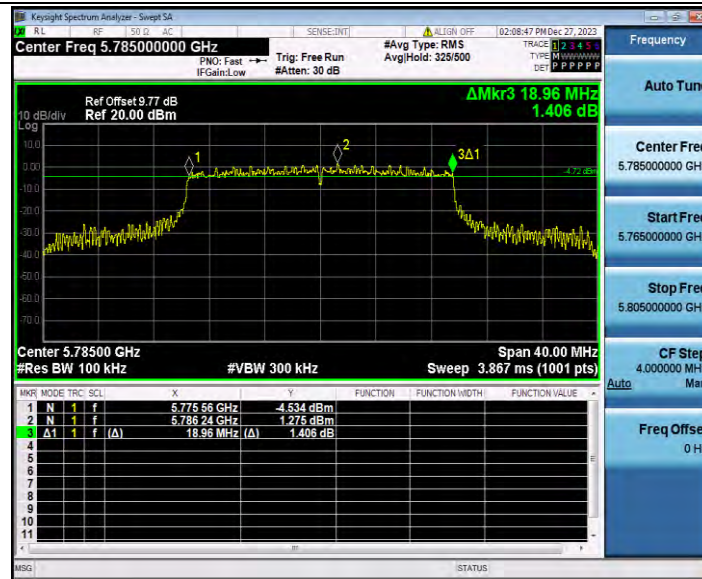
11AC40SISO_Ant1_5795



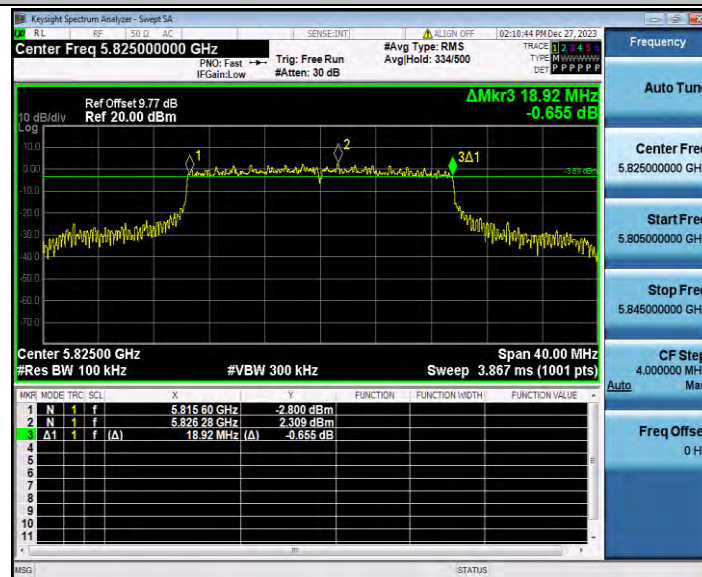
11AC80SISO_Ant1_5775



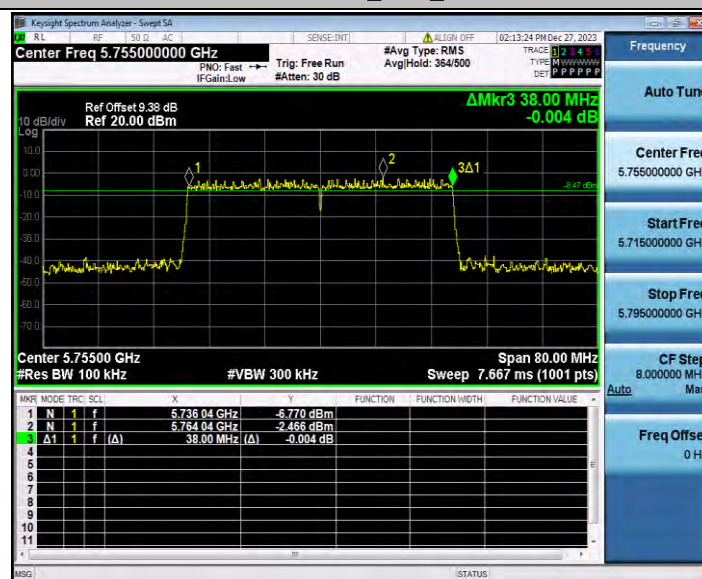
11AX20SISO_Ant1_5745



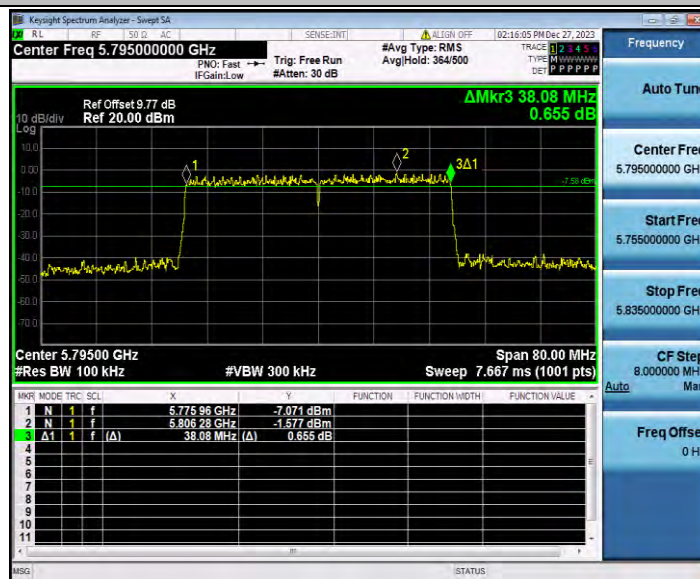
11AX20SISO_Ant1_5785



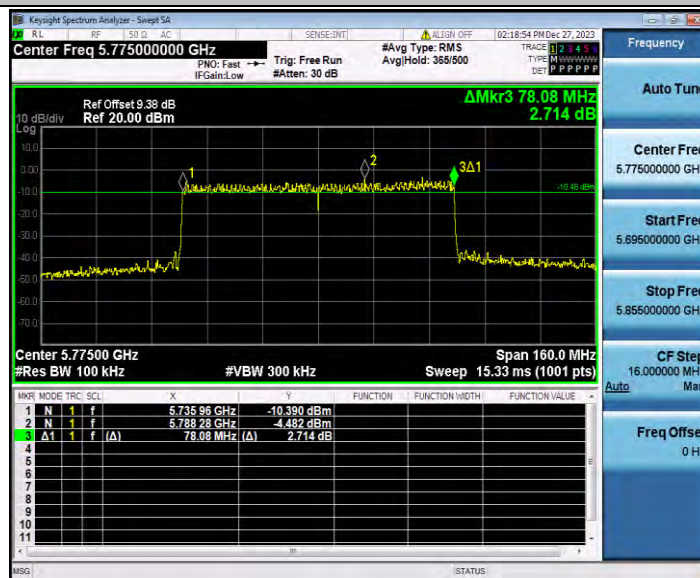
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

Appendix G.2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.363	5736.313	5753.676	---	---
		5785	17.403	5776.278	5793.681	---	---
		5825	17.376	5816.197	5833.573	---	---
11N20SISO	Ant1	5745	17.503	5736.275	5753.778	---	---
		5785	17.580	5776.293	5793.873	---	---
		5825	17.474	5816.225	5833.699	---	---
11N40SISO	Ant1	5755	35.997	5737.094	5773.091	---	---
		5795	35.993	5777.108	5813.101	---	---
11AC20SISO	Ant1	5745	18.268	5735.862	5754.130	---	---
		5785	18.282	5775.873	5794.155	---	---
		5825	18.260	5815.806	5834.066	---	---
11AC40SISO	Ant1	5755	35.945	5737.122	5773.067	---	---
		5795	35.992	5777.156	5813.148	---	---
11AC80SISO	Ant1	5775	75.476	5737.448	5812.924	---	---
11AX20SISO	Ant1	5745	19.333	5735.365	5754.698	---	---
		5785	19.324	5775.384	5794.708	---	---
		5825	19.274	5815.343	5834.617	---	---
11AX40SISO	Ant1	5755	37.922	5736.113	5774.035	---	---
		5795	38.067	5776.048	5814.115	---	---
11AX80SISO	Ant1	5775	77.782	5736.264	5814.046	---	---

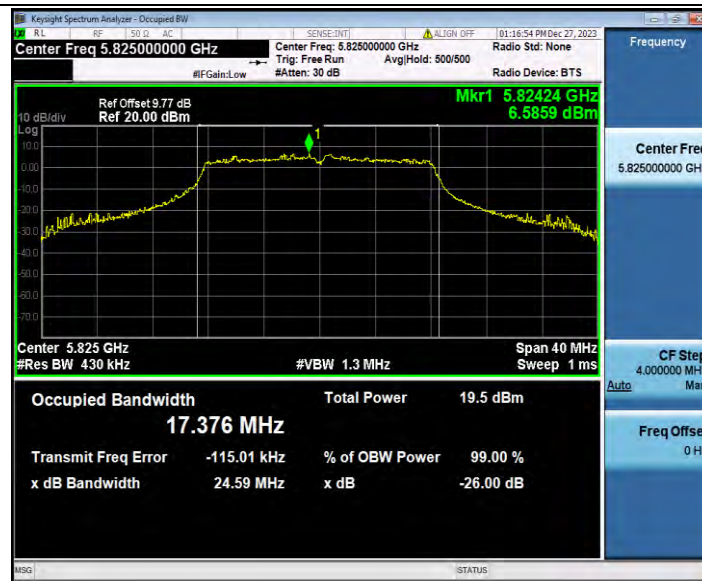
Test Graphs



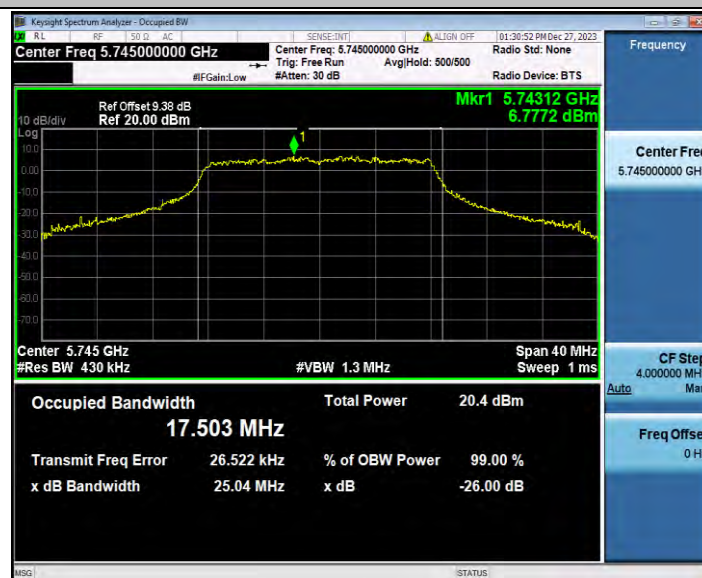
11A_Ant1_5745



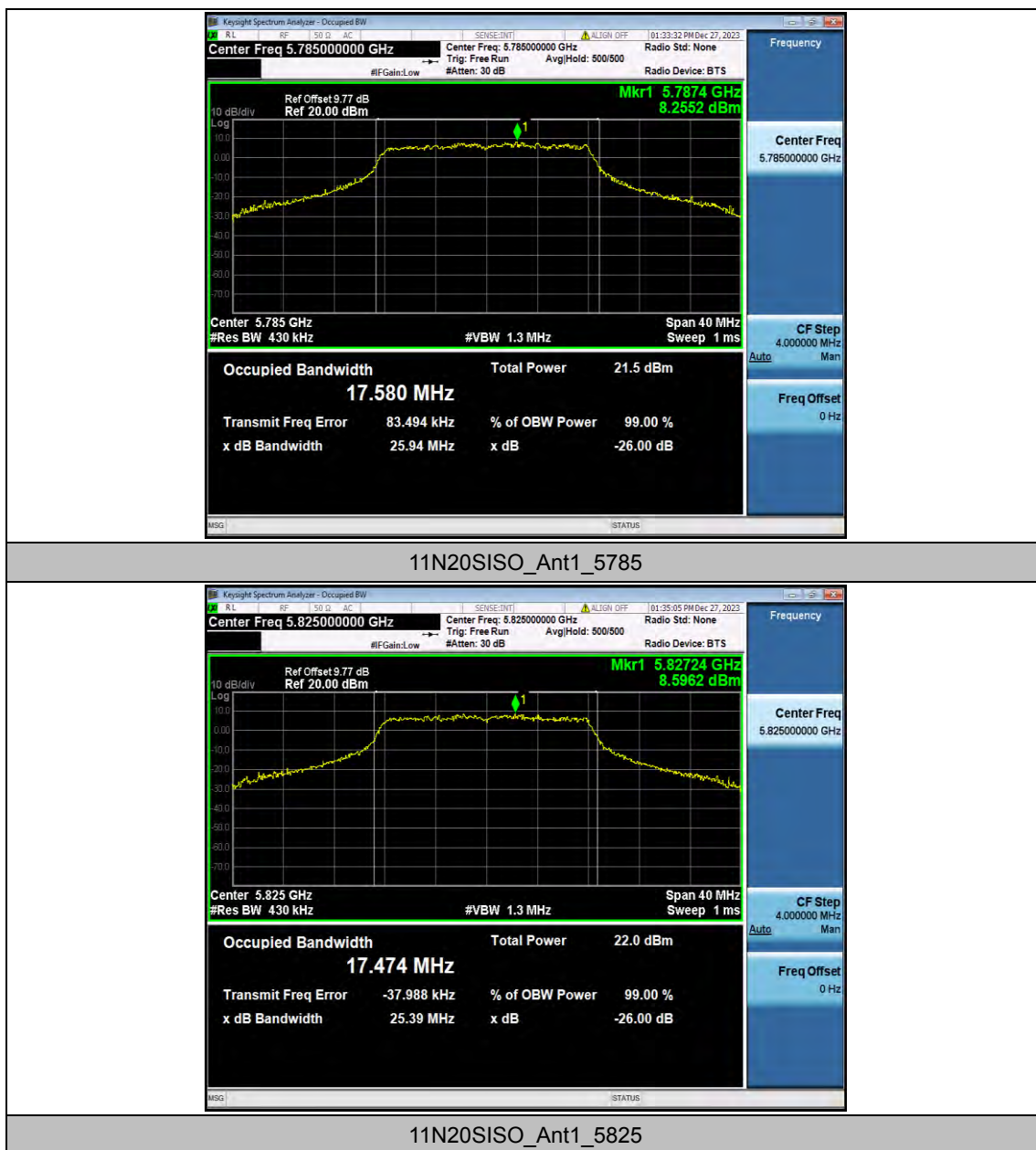
11A_Ant1_5785



11A_Ant1_5825

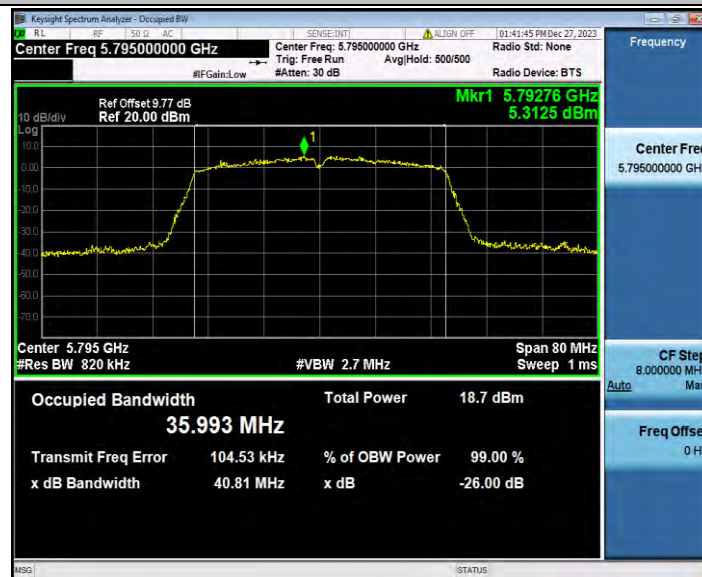


11N20SISO_Ant1_5745





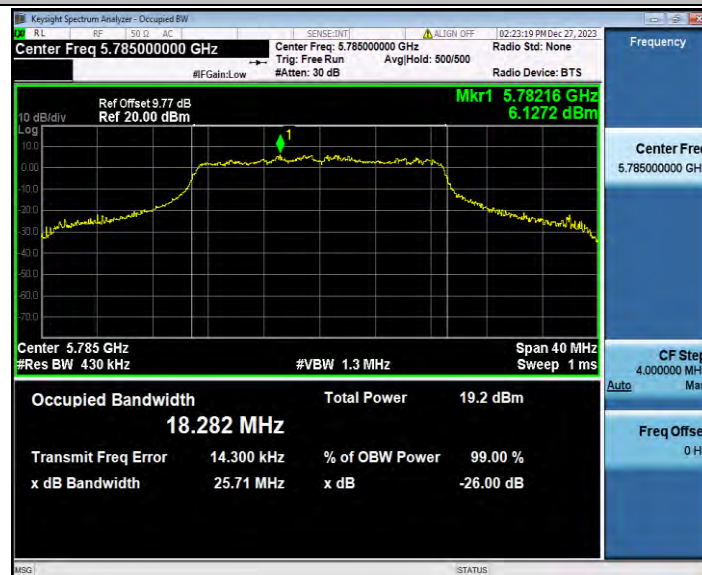
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



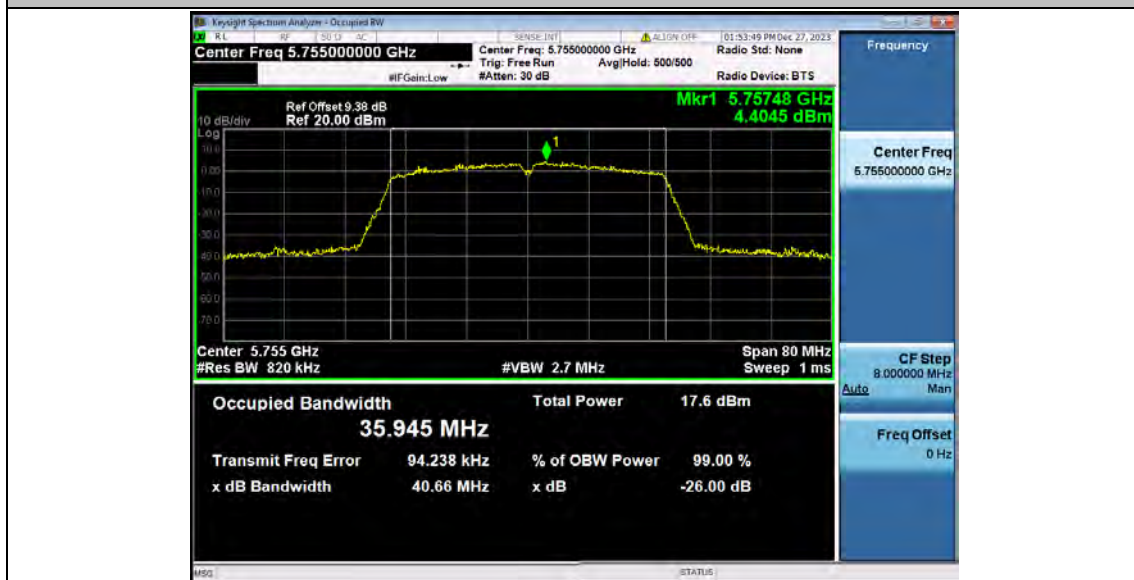
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



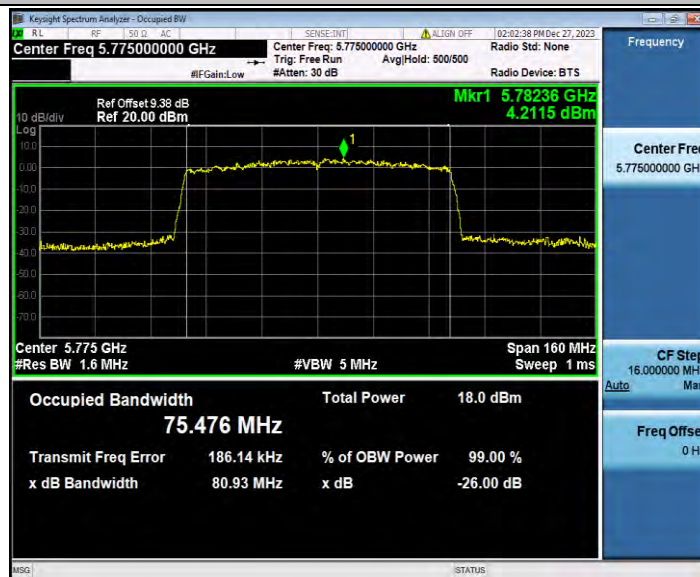
11AC20SISO_Ant1_5825



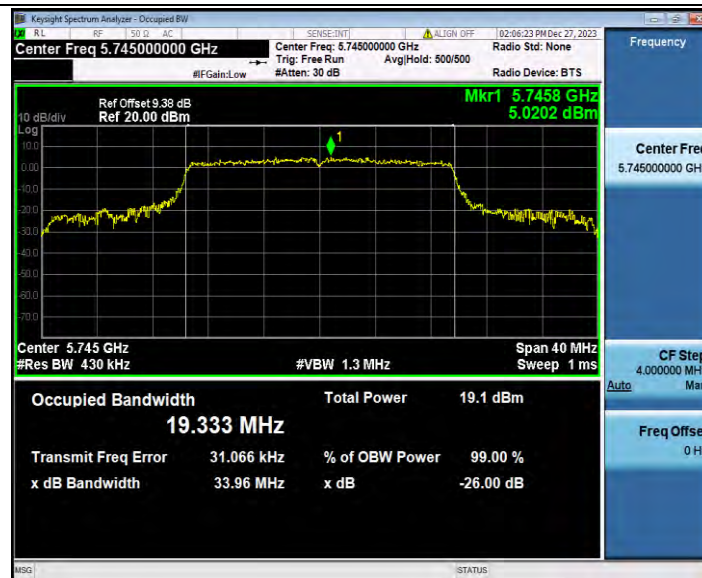
11AC40SISO_Ant1_5755



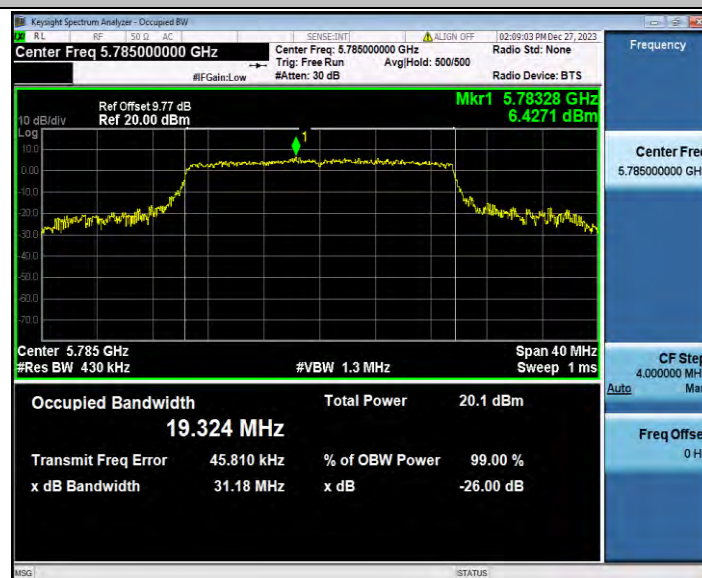
11AC40SISO_Ant1_5795



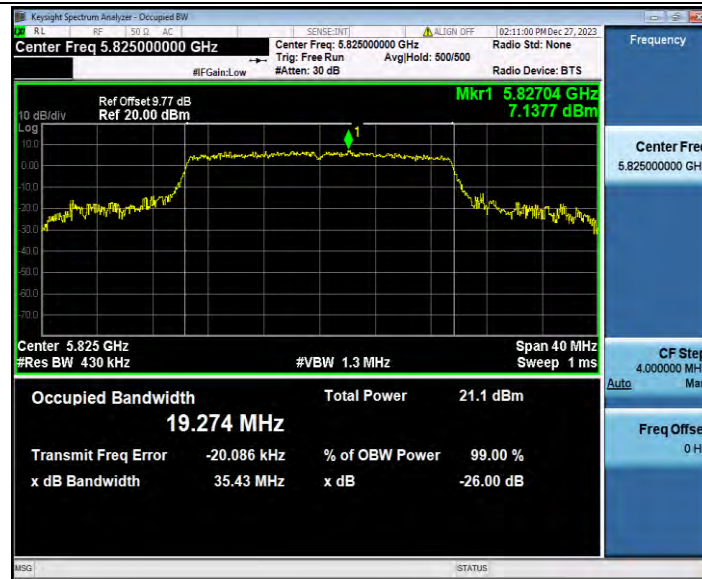
11AC80SISO_Ant1_5775



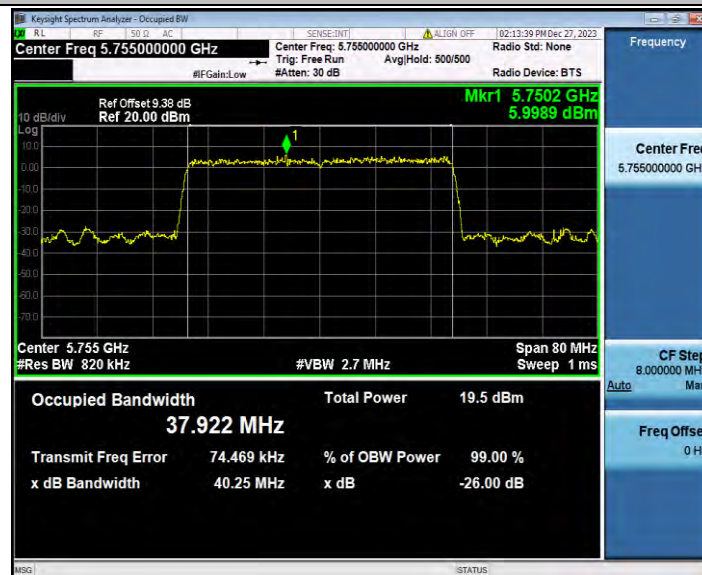
11AX20SISO_Ant1_5745



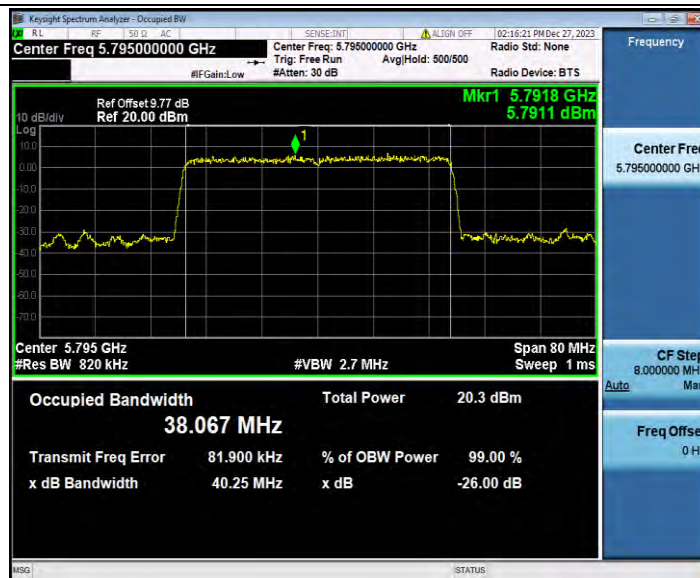
11AX20SISO_Ant1_5785



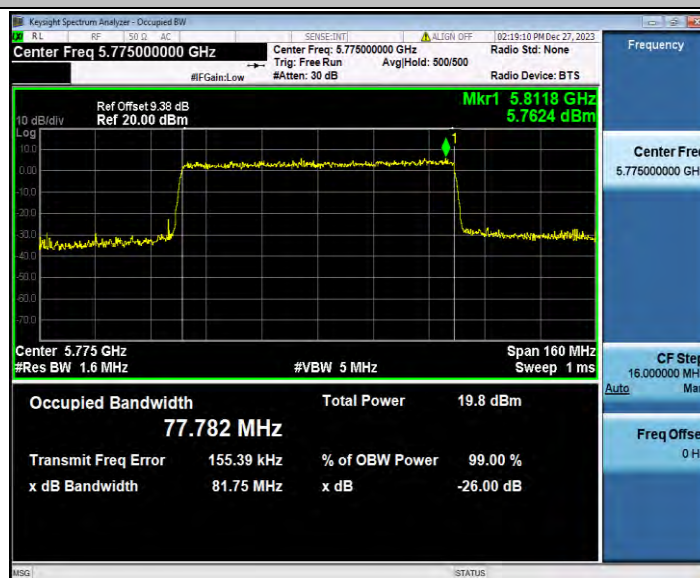
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



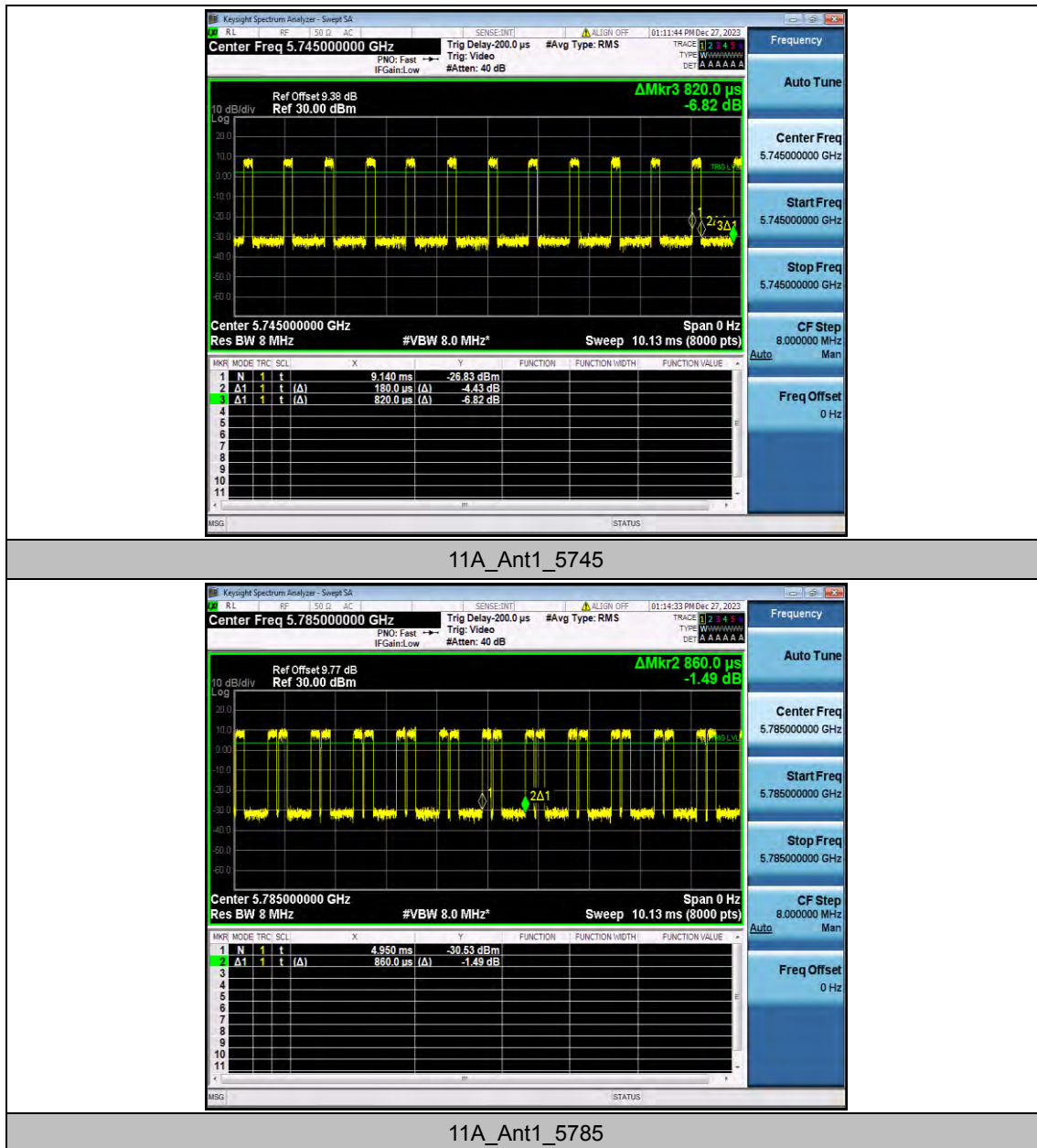
11AX80SISO_Ant1_5775

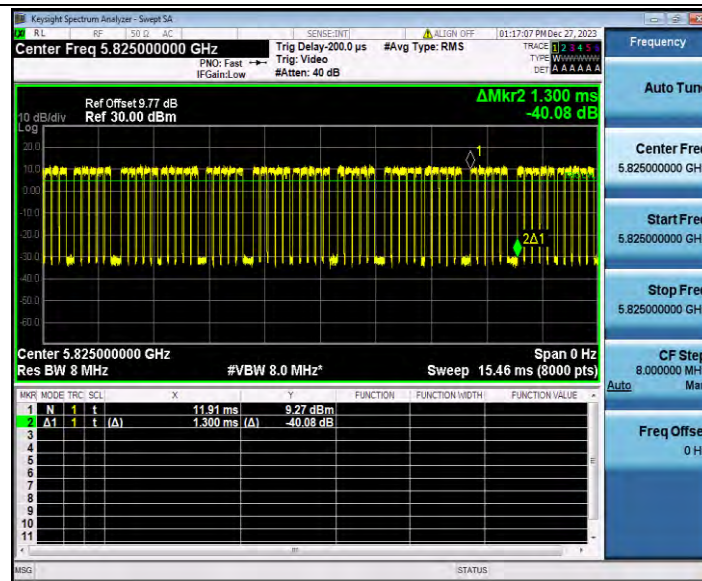
Appendix G.3: Duty Cycle

Test Result

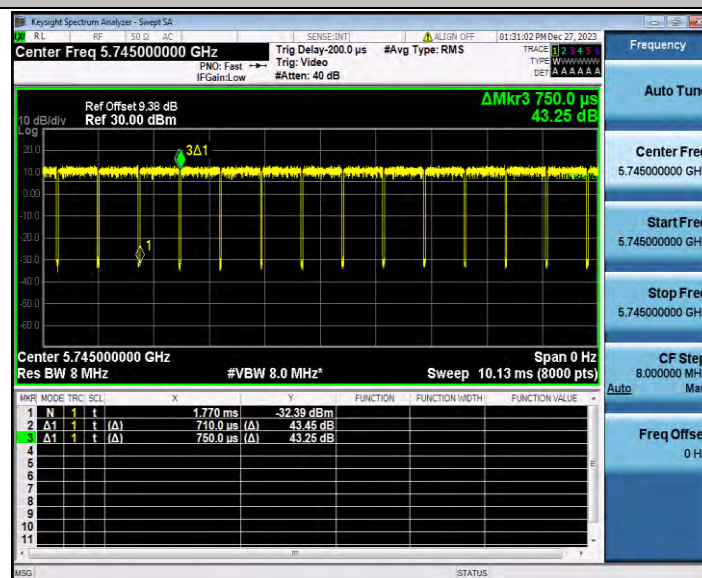
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	0.18	0.82	21.95
		5785	0.35	0.86	40.70
		5825	0.88	1.30	67.69
11N20SISO	Ant1	5745	0.71	0.75	94.67
		5785	0.71	0.74	95.95
		5825	0.71	0.74	95.95
11N40SISO	Ant1	5755	3.12	4.49	69.49
		5795	4.57	6.55	69.77
11AC20SISO	Ant1	5745	0.17	0.20	85.00
		5785	0.17	0.21	80.95
		5825	0.17	0.20	85.00
11AC40SISO	Ant1	5755	3.32	4.79	69.31
		5795	3.33	4.79	69.52
11AC80SISO	Ant1	5775	3.25	6.70	48.51
11AX20SISO	Ant1	5745	0.15	0.19	78.95
		5785	0.16	0.20	80.00
		5825	0.16	0.19	84.21
11AX40SISO	Ant1	5755	3.82	6.71	56.93
		5795	3.82	6.71	56.93
11AX80SISO	Ant1	5775	2.56	5.07	50.49

Test Graphs





11A_Ant1_5825



11N20SISO_Ant1_5745

Keysight Spectrum Analyzer - Swept SA

Center Freq 5.825000000 GHz

Span 0 Hz

Ref Offset 9.77 dB

Ref 30.00 dBm

ΔMkr3 740.0 μs -4.08 dB

1 N 1 t 5.850 ms 11.87 dBm

2 Δ1 1 t (Δ) 710.0 μs -42.43 dB

3 Δ1 1 t (Δ) 740.0 μs -4.08 dB

Auto Tune

Frequency

Center Freq 5.825000000 GHz

Start Freq 5.825000000 GHz

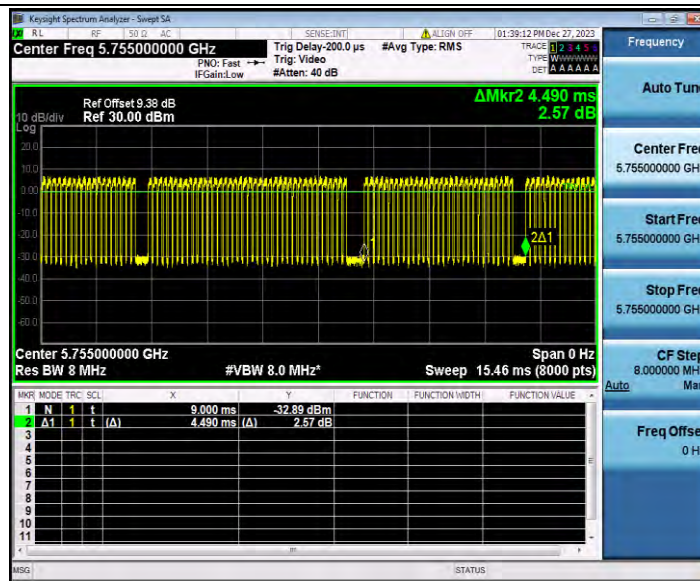
Stop Freq 5.825000000 GHz

CF Step 8.000000 MHz

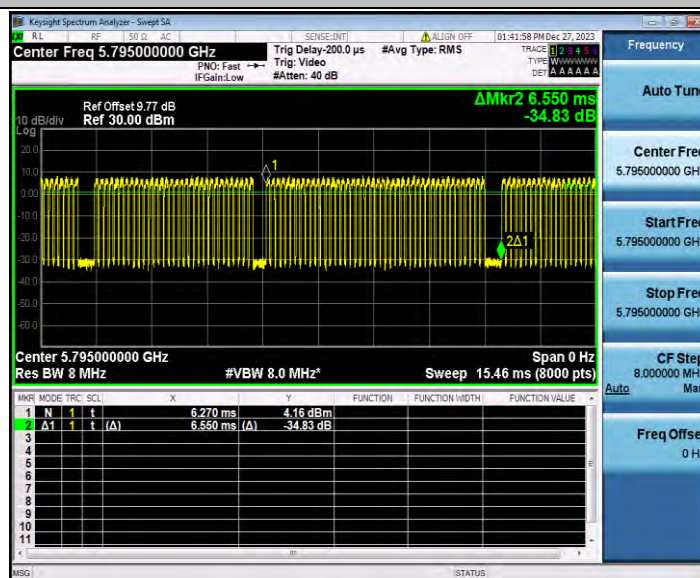
Man

Frequency Offset 0 Hz

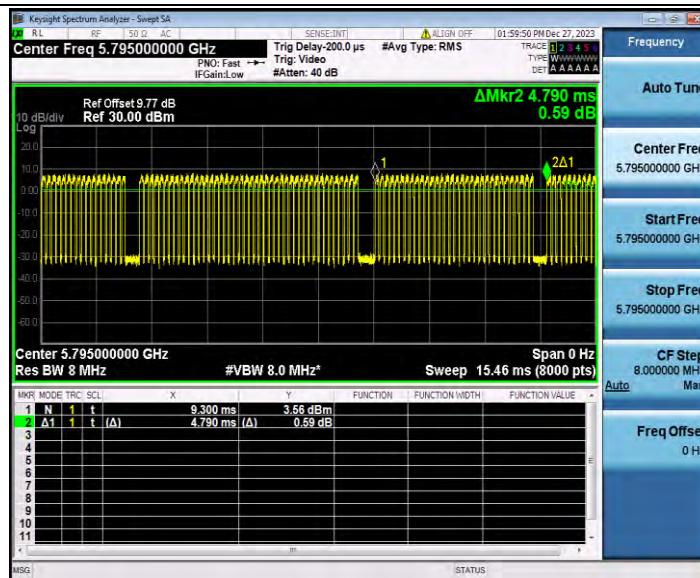
24



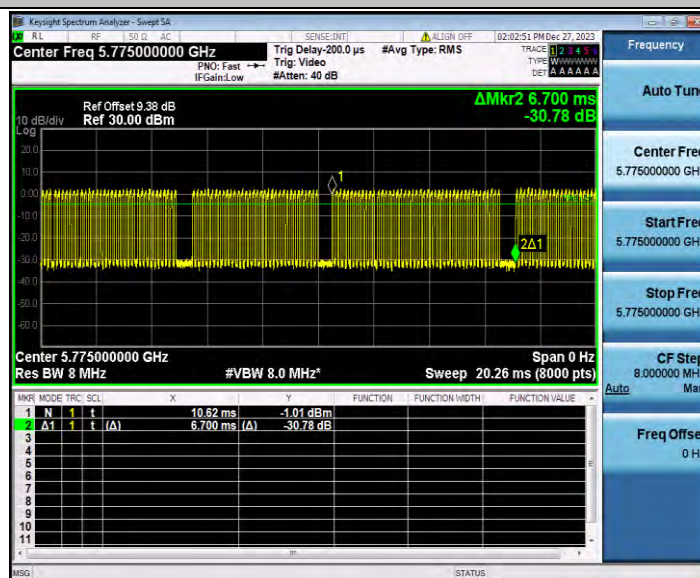
11N40SISO_Ant1_5755



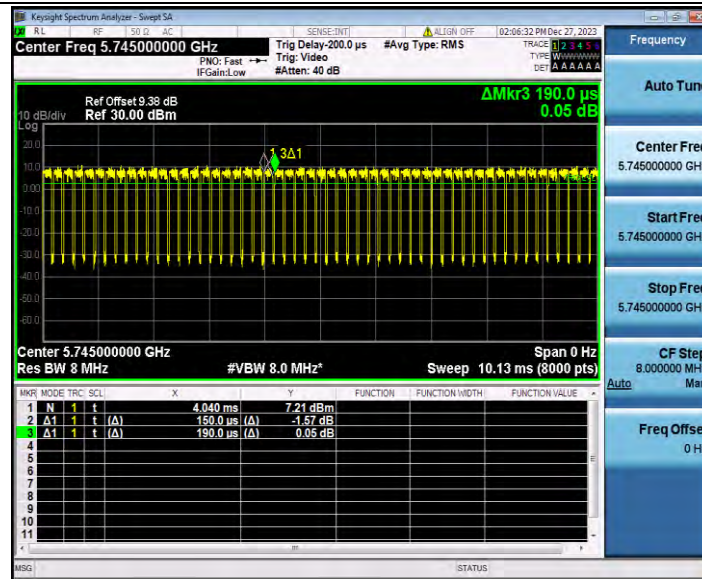
11N40SISO_Ant1_5795



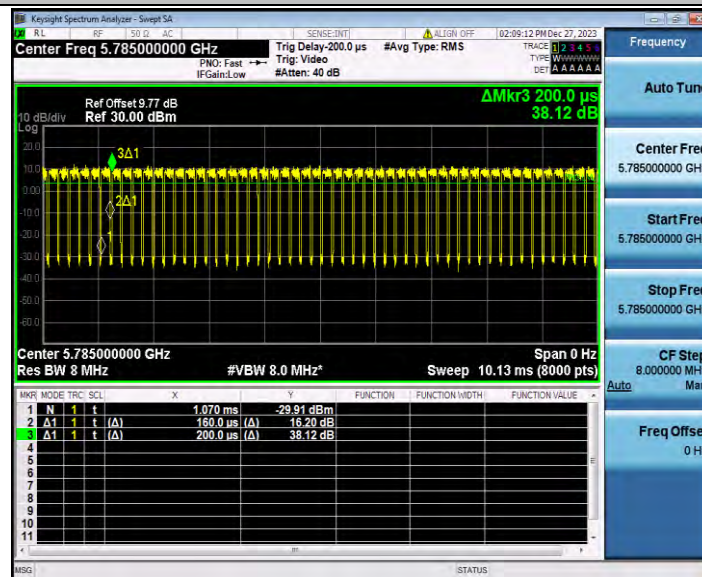
11AC40SISO_Ant1_5795



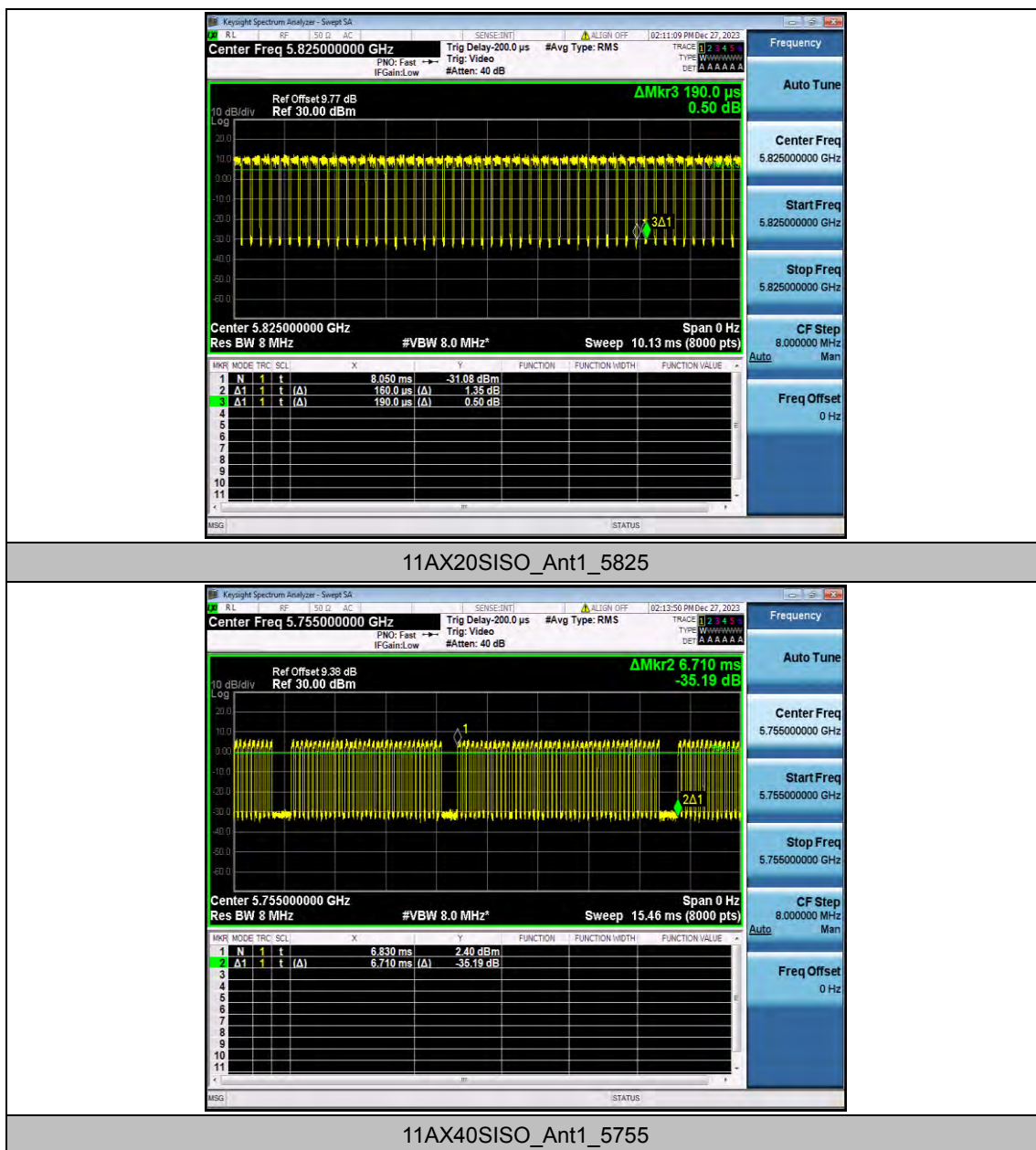
11AC80SISO_Ant1_5775

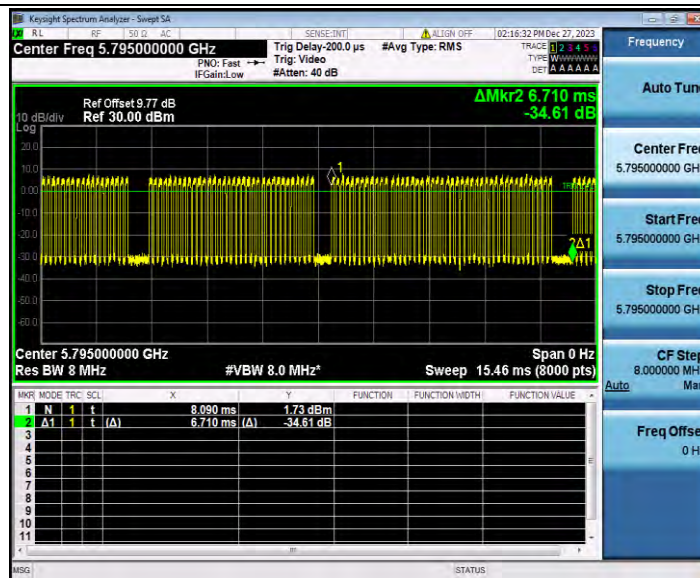


11AX20SISO_Ant1_5745

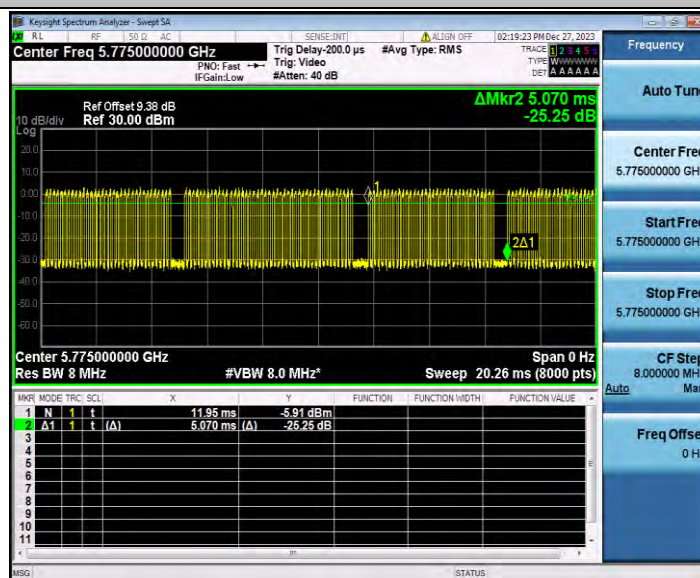


11AX20SISO_Ant1_5785





11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

Appendix G.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	3.98	21.95	6.59	10.57	≤30.00	PASS
		5785	7.72	40.70	3.90	11.62	≤30.00	PASS
		5825	11.07	67.69	1.69	12.76	≤30.00	PASS
11N20S ISO	Ant1	5745	13.30	94.67	0.24	13.54	≤30.00	PASS
		5785	14.40	95.95	0.18	14.58	≤30.00	PASS
		5825	15.03	95.95	0.18	15.21	≤30.00	PASS
11N40S ISO	Ant1	5755	8.39	69.49	1.58	9.97	≤30.00	PASS
		5795	9.54	69.77	1.56	11.10	≤30.00	PASS
11AC20 SISO	Ant1	5745	10.21	85.00	0.71	10.92	≤30.00	PASS
		5785	11.10	80.95	0.92	12.02	≤30.00	PASS
		5825	12.14	85.00	0.71	12.85	≤30.00	PASS
11AC40 SISO	Ant1	5755	8.37	69.31	1.59	9.96	≤30.00	PASS
		5795	9.40	69.52	1.58	10.98	≤30.00	PASS
11AC80 SISO	Ant1	5775	6.69	48.51	3.14	9.83	≤30.00	PASS
11AX20 SISO	Ant1	5745	10.25	78.95	1.03	11.28	≤30.00	PASS
		5785	11.24	80.00	0.97	12.21	≤30.00	PASS
		5825	12.27	84.21	0.75	13.02	≤30.00	PASS
11AX40 SISO	Ant1	5755	8.64	56.93	2.45	11.09	≤30.00	PASS
		5795	9.69	56.93	2.45	12.14	≤30.00	PASS
11AX80 SISO	Ant1	5775	8.30	50.49	2.97	11.27	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.