

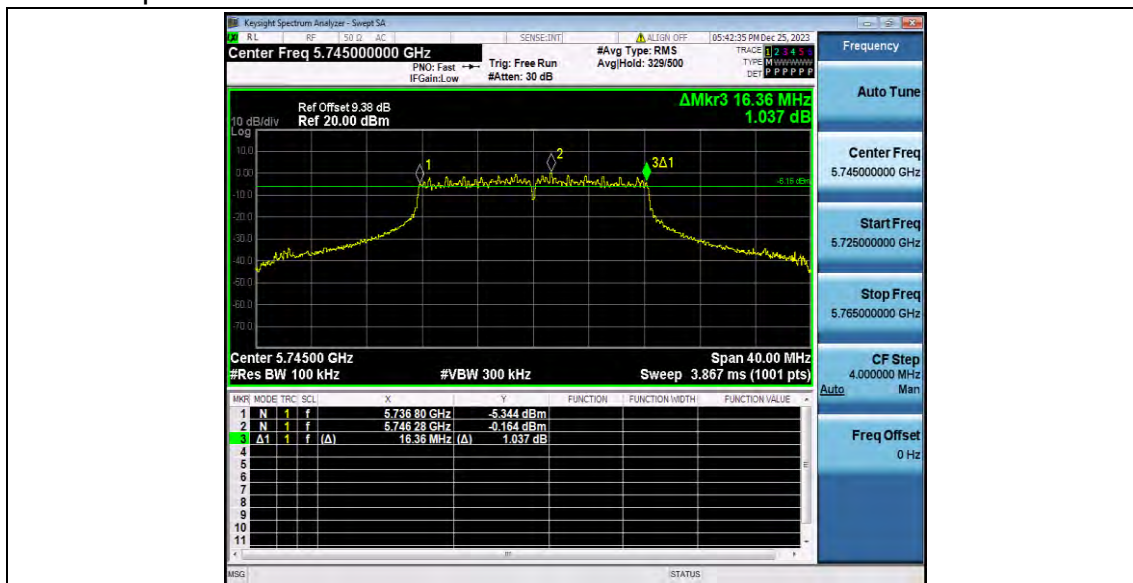
Case No. : <u>GTS20231018011-1-41</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.25</u>	Test Engineer: <u>Evan ouyang</u>

Appendix G.1: Emission Bandwidth

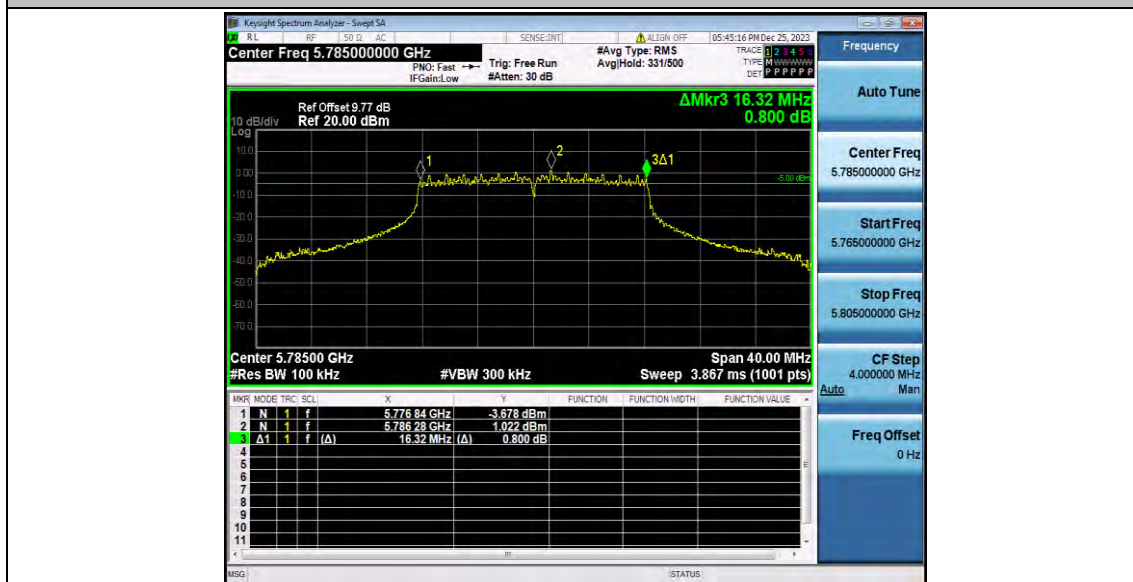
Test Result

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	15.720	5737.440	5753.160	0.5	PASS
		5785	15.720	5777.160	5792.880	0.5	PASS
		5825	16.320	5816.840	5833.160	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	17.560	5776.200	5793.760	0.5	PASS
		5825	17.480	5816.320	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	19.000	5735.480	5754.480	0.5	PASS
		5785	19.040	5775.480	5794.520	0.5	PASS
		5825	18.920	5815.600	5834.520	0.5	PASS
11AX40SISO	Ant1	5755	38.080	5735.960	5774.040	0.5	PASS
		5795	38.160	5775.960	5814.120	0.5	PASS
11AX80SISO	Ant1	5775	77.920	5736.120	5814.040	0.5	PASS

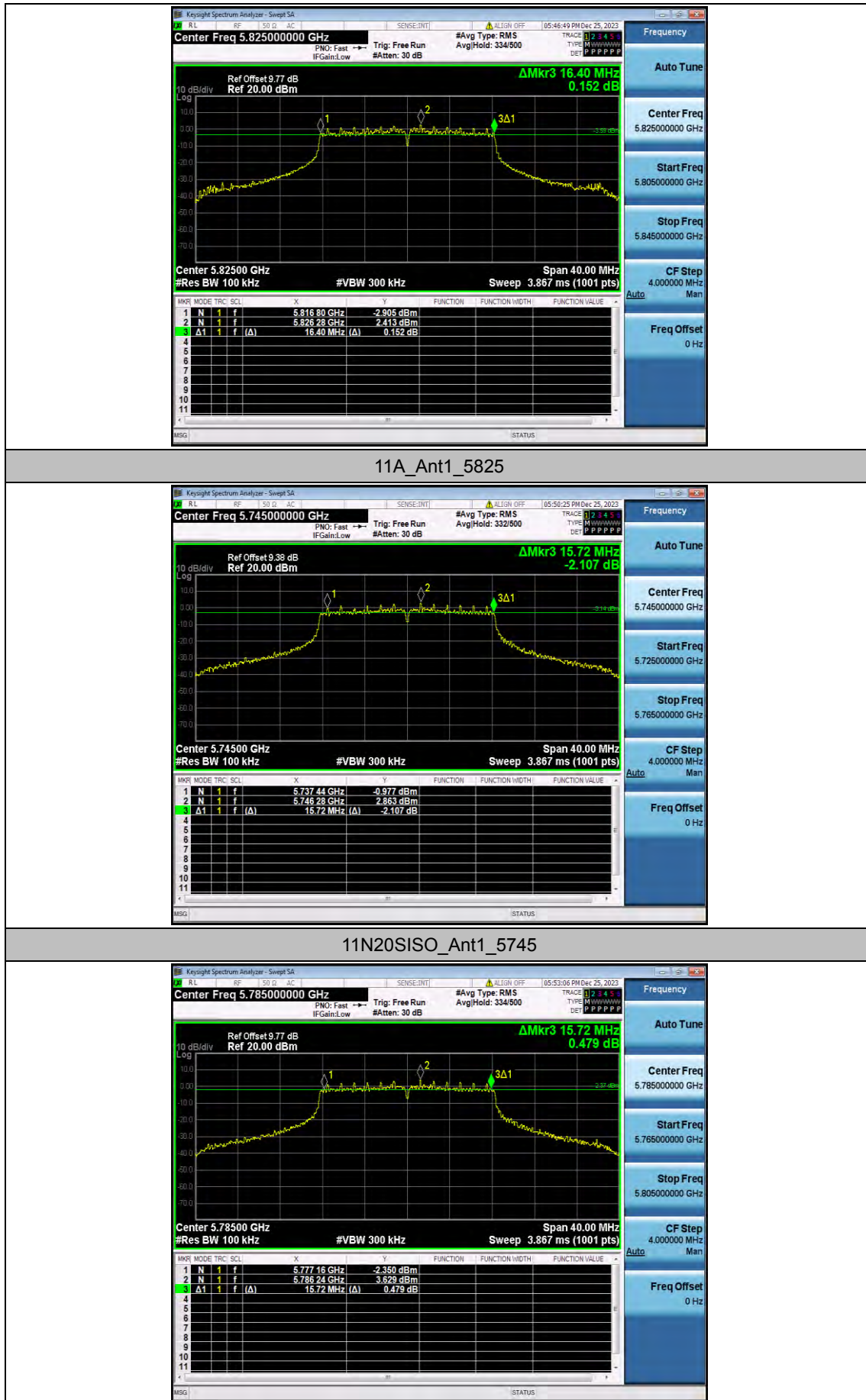
Test Graphs



11A_Ant1_5745



11A_Ant1_5785



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



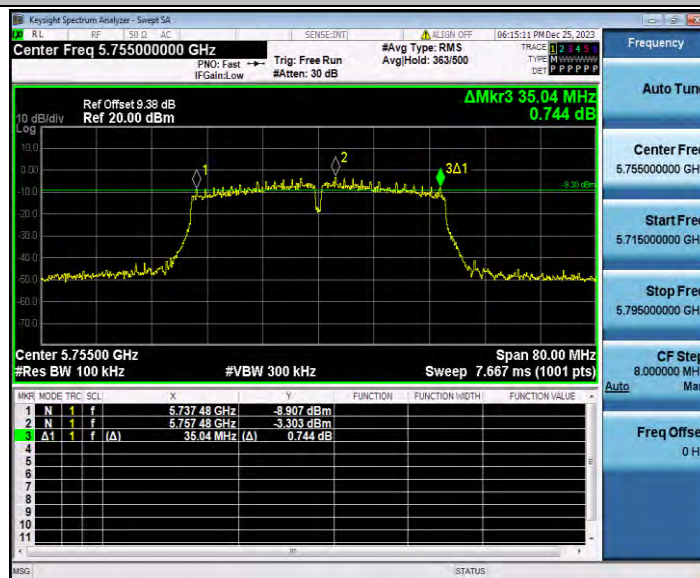
11N40SISO_Ant1_5755



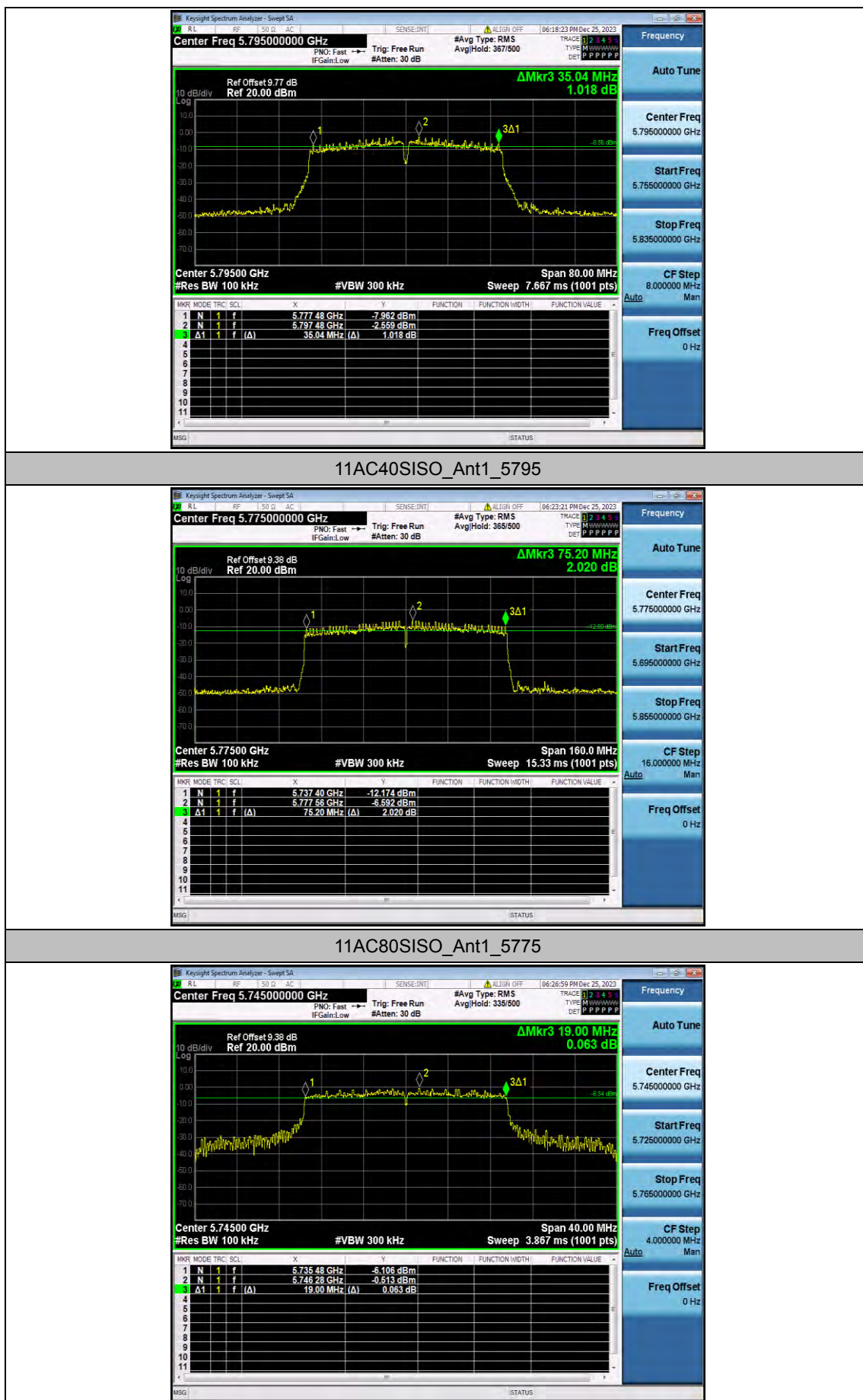
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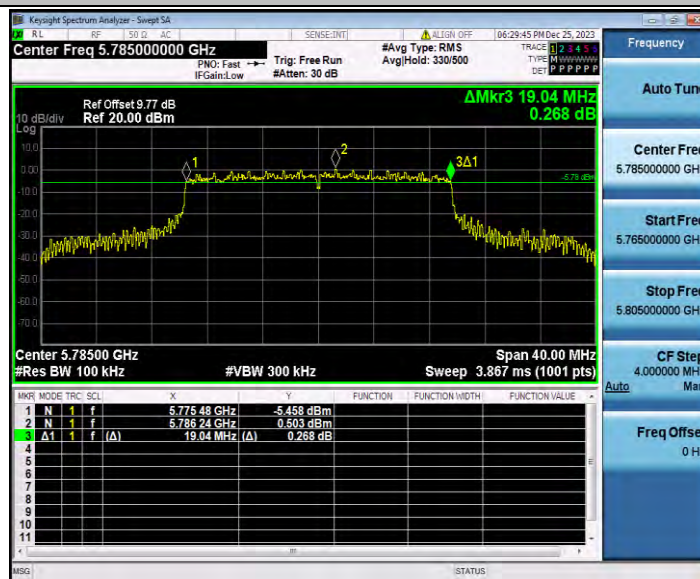
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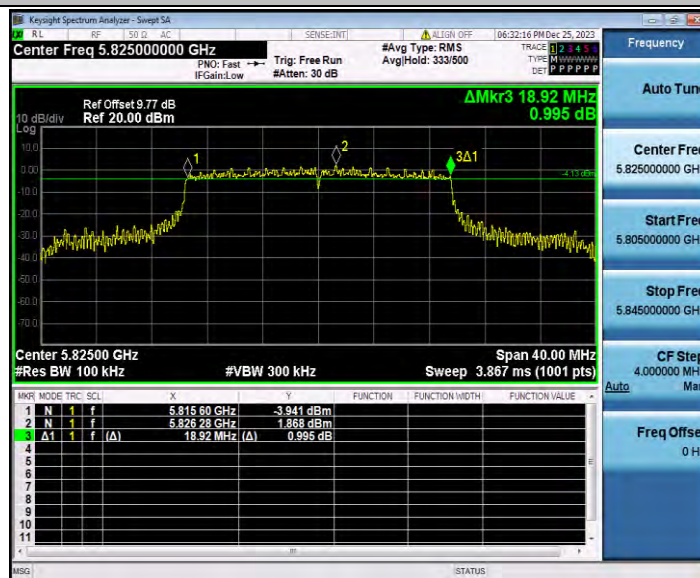
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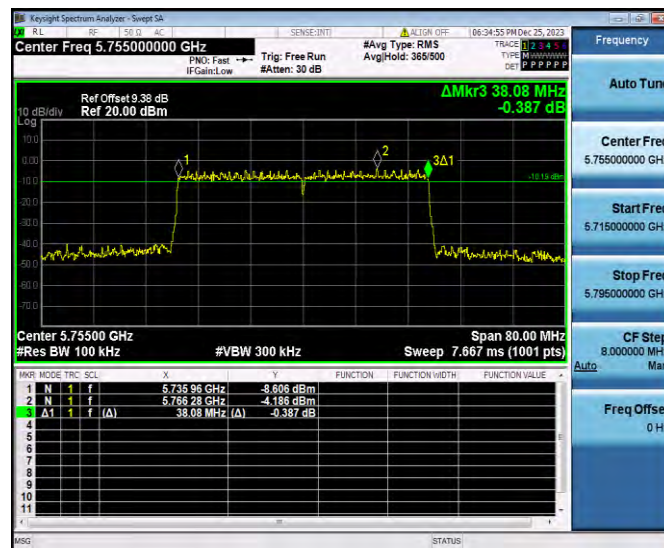
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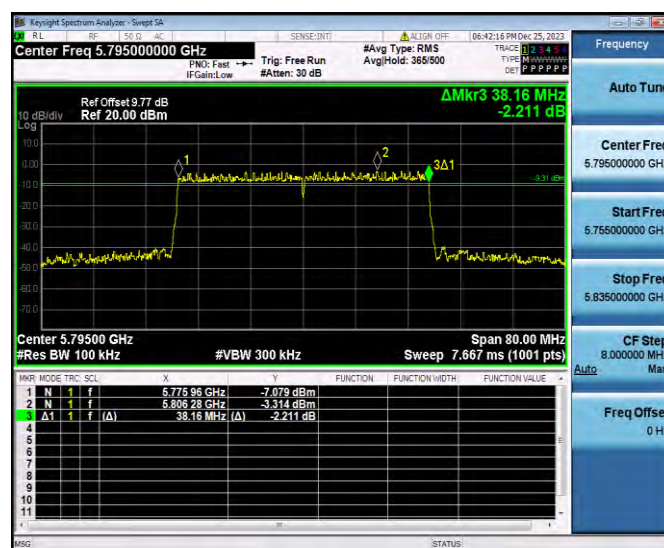
11AX20SISO_Ant1_5785



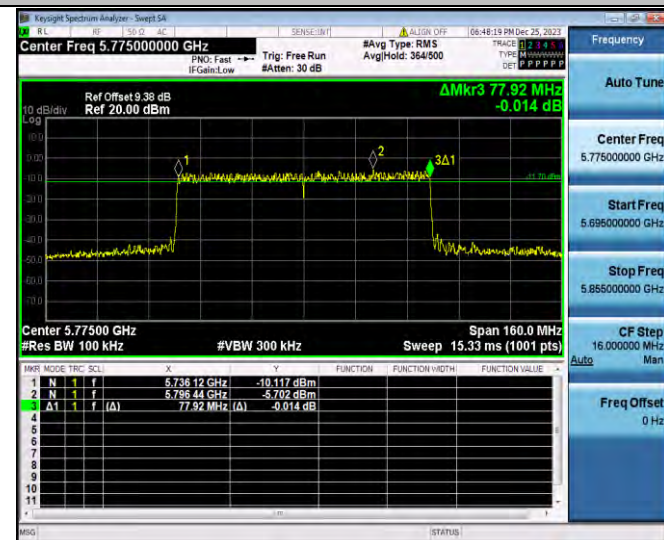
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



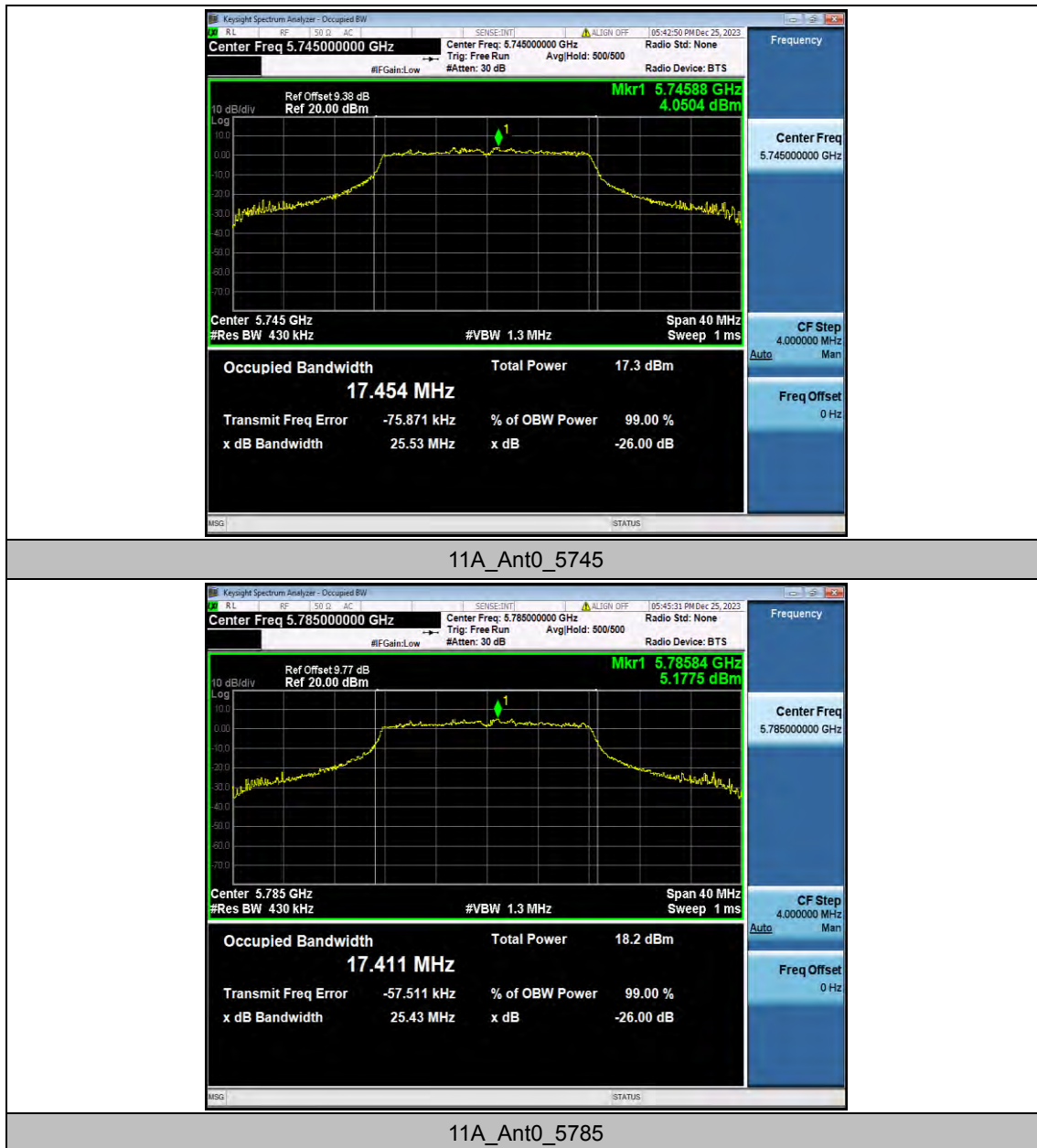
11AX80SISO_Ant1_5775

Appendix G.2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	17.454	5736.197	5753.651	---	---
		5785	17.411	5776.237	5793.648	---	---
		5825	17.330	5816.248	5833.578	---	---
11N20SISO	Ant0	5745	17.545	5736.260	5753.805	---	---
		5785	17.543	5776.283	5793.826	---	---
		5825	17.462	5816.291	5833.753	---	---
11N40SISO	Ant0	5755	35.965	5737.108	5773.073	---	---
		5795	35.988	5777.113	5813.101	---	---
11AC20SISO	Ant0	5745	18.262	5735.856	5754.118	---	---
		5785	18.295	5775.859	5794.154	---	---
		5825	18.237	5815.857	5834.094	---	---
11AC40SISO	Ant0	5755	35.986	5737.098	5773.084	---	---
		5795	36.012	5777.108	5813.120	---	---
11AC80SISO	Ant0	5775	75.504	5737.400	5812.904	---	---
11AX20SISO	Ant0	5745	19.337	5735.355	5754.692	---	---
		5785	19.340	5775.349	5794.689	---	---
		5825	19.332	5815.326	5834.658	---	---
11AX40SISO	Ant0	5755	37.976	5736.019	5773.995	---	---
		5795	38.016	5776.021	5814.037	---	---
11AX80SISO	Ant0	5775	77.754	5736.242	5813.996	---	---

Test Graphs





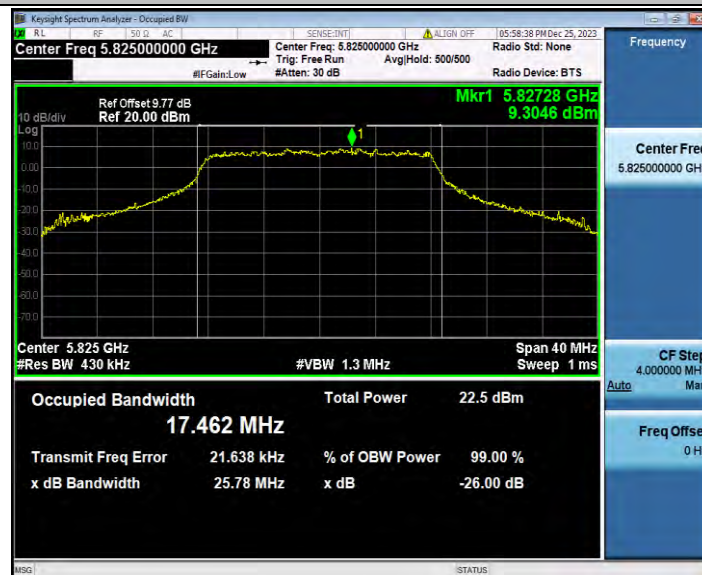
11A_Ant0_5825



11N20SISO_Ant0_5745



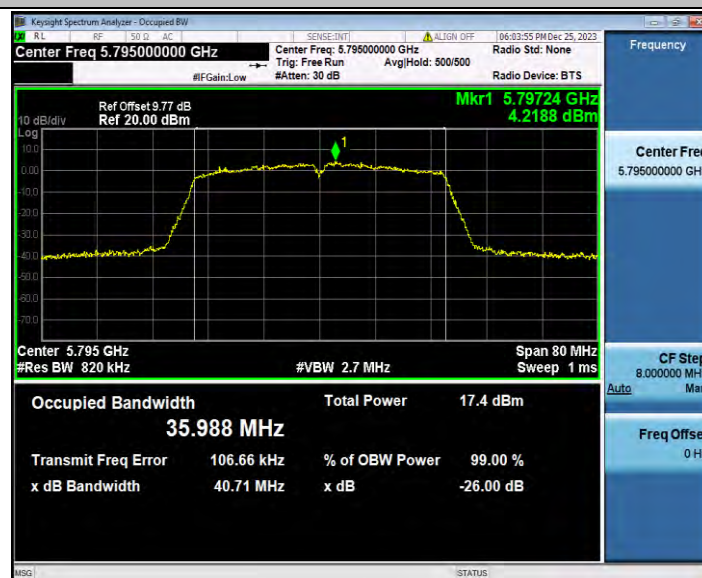
11N20SISO_Ant0_5785



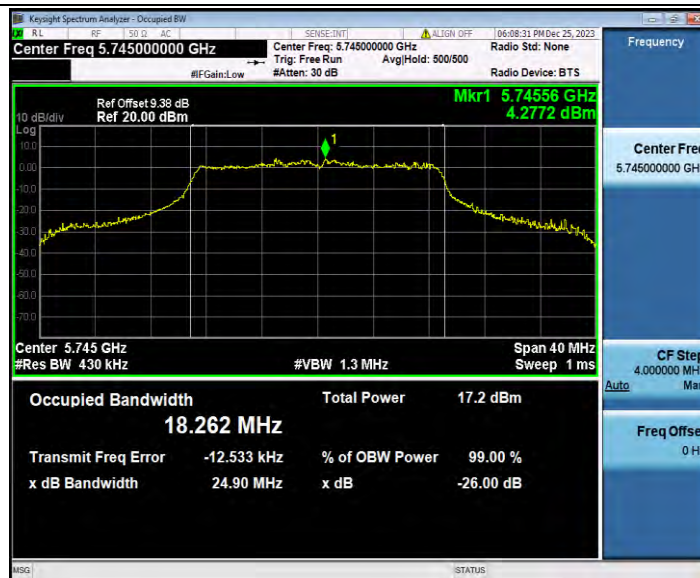
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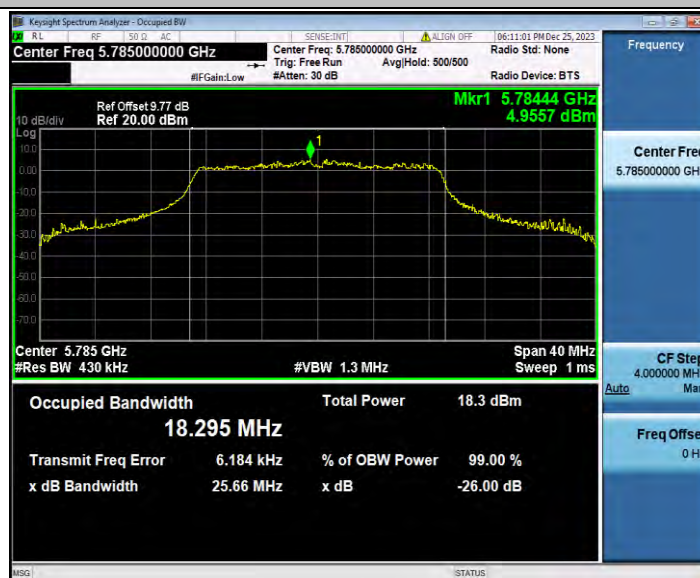
11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



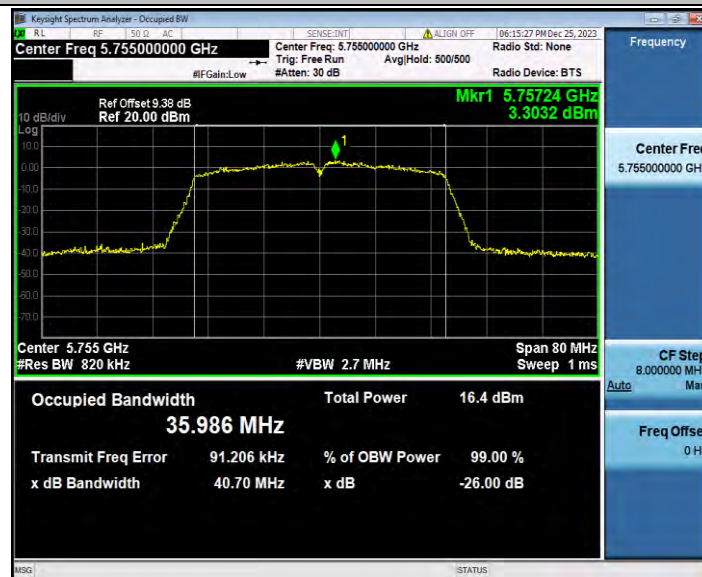
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11AC20SISO_Ant0_5785



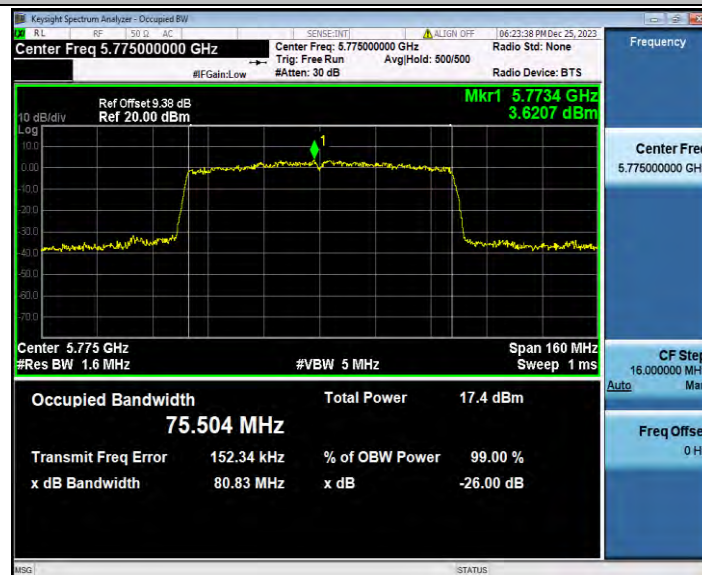
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11AC40SISO_Ant0_5755



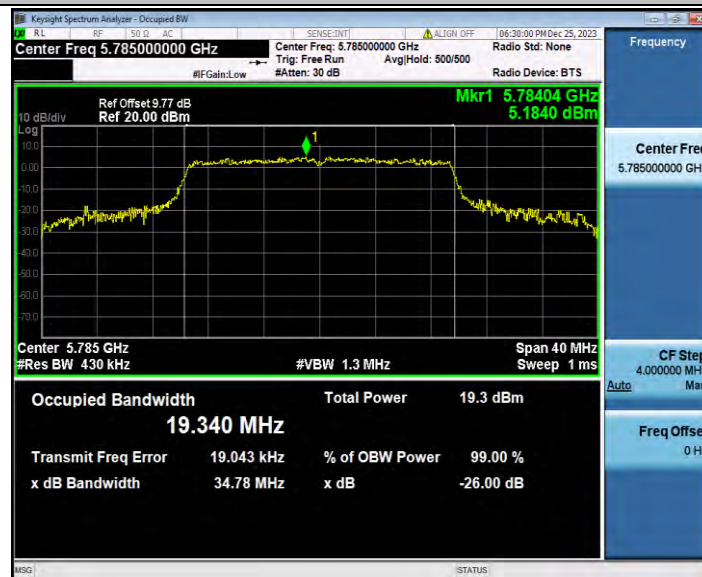
11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775



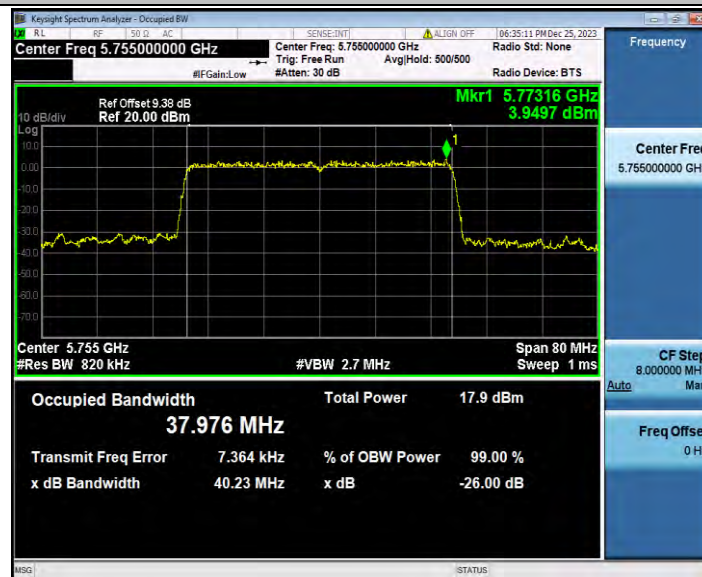
11AX20SISO_Ant0_5745



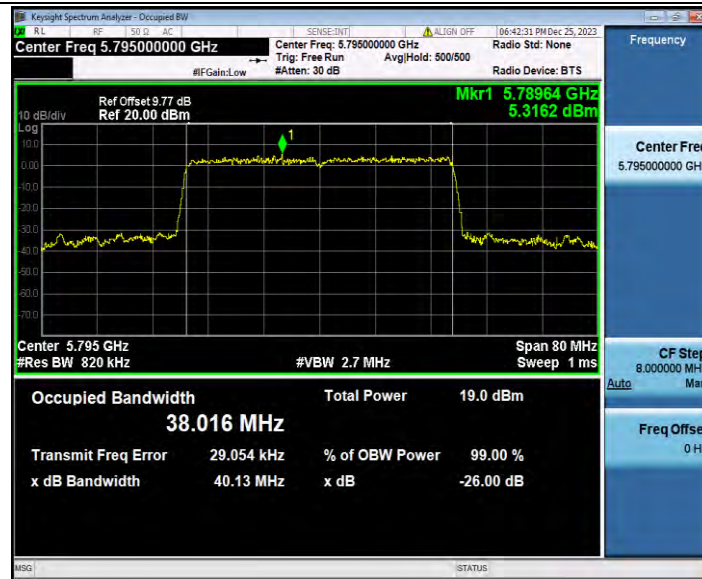
11AX20SISO_Ant0_5785



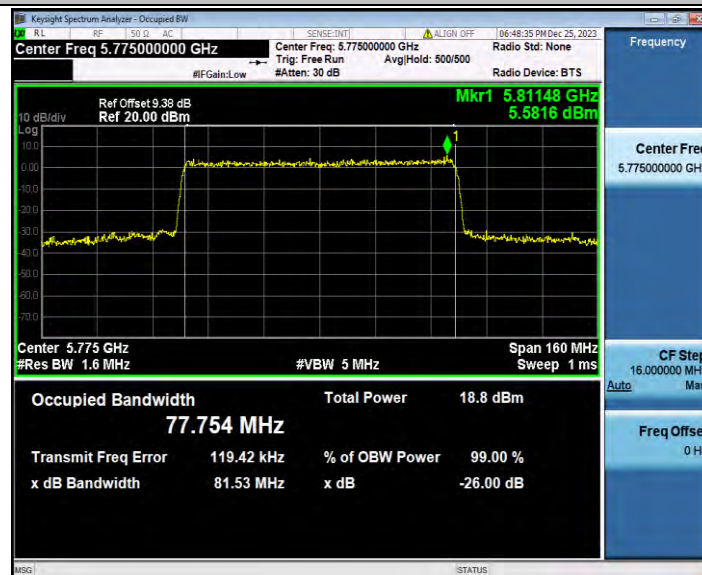
11AX20SISO_Ant0_5825



11AX40SISO_Ant0_5755



11AX40SISO_Ant0_5795



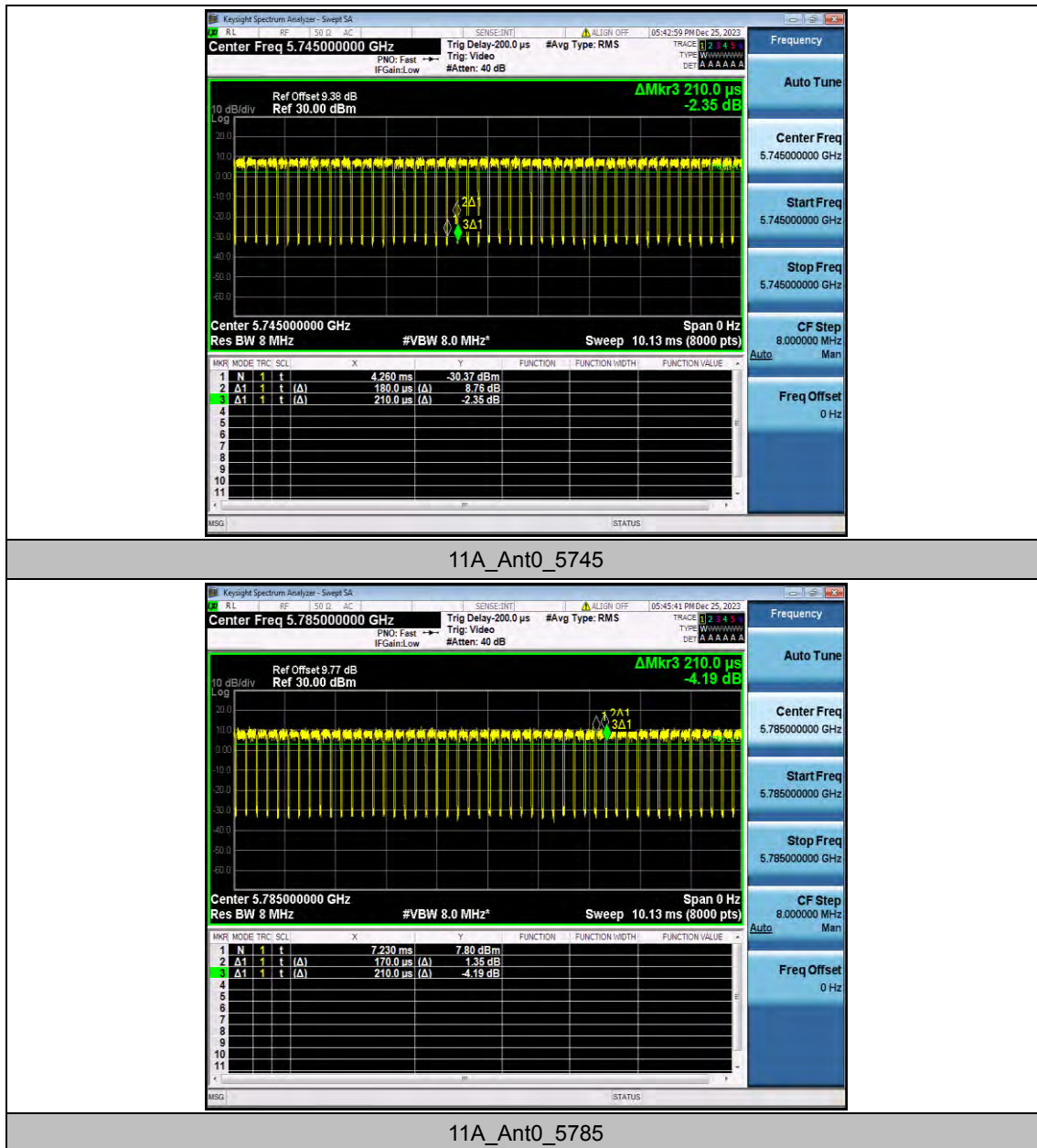
11AX80SISO_Ant0_5775

Appendix G.3: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant0	5745	0.18	0.21	85.71
		5785	0.17	0.21	80.95
		5825	0.18	0.21	85.71
11N20SISO	Ant0	5745	0.70	0.74	94.59
		5785	0.71	0.74	95.95
		5825	0.71	0.74	95.95
11N40SISO	Ant0	5755	3.33	4.78	69.67
		5795	3.33	4.78	69.67
11AC20SISO	Ant0	5745	0.16	0.20	80.00
		5785	0.17	0.21	80.95
		5825	0.16	0.20	80.00
11AC40SISO	Ant0	5755	3.33	4.79	69.52
		5795	3.33	4.80	69.38
11AC80SISO	Ant0	5775	3.23	6.71	48.14
11AX20SISO	Ant0	5745	0.16	0.19	84.21
		5785	0.16	0.20	80.00
		5825	0.16	0.19	84.21
11AX40SISO	Ant0	5755	3.81	6.71	56.78
		5795	2.88	5.07	56.80
11AX80SISO	Ant0	5775	3.39	6.71	50.52

Test Graphs



Keysight Spectrum Analyzer - Swept SA

RF: 50.0 AC SENSE: INT1 ALIGN: OFF 05:50:51 PM Dec 25, 2023

Center Freq 5.745000000 GHz Trig Delay: 200.0 μs #Avg Type: RMS TRACE 1 2 1 3 1 TYPE WWWWWW DET A A A A A A

PN0: Fast IF Gain: Low Trig: Video #Atten: 40 dB

Ref Offset 9.38 dB ΔMkr3 740.0 μs
Ref 30.00 dBm 0.68 dB

Center 5.745000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz* Sweep 10.13 ms (8000 pts)

MNR	MODE	TRIG	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	6.310 ms	9.85 dBm			
2	A1	1	t (Δ)	700.0 μs (Δ)	0.59 dB			
3	A1	1	t (Δ)	740.0 μs (Δ)	0.68 dB			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
5.745000000 GHz

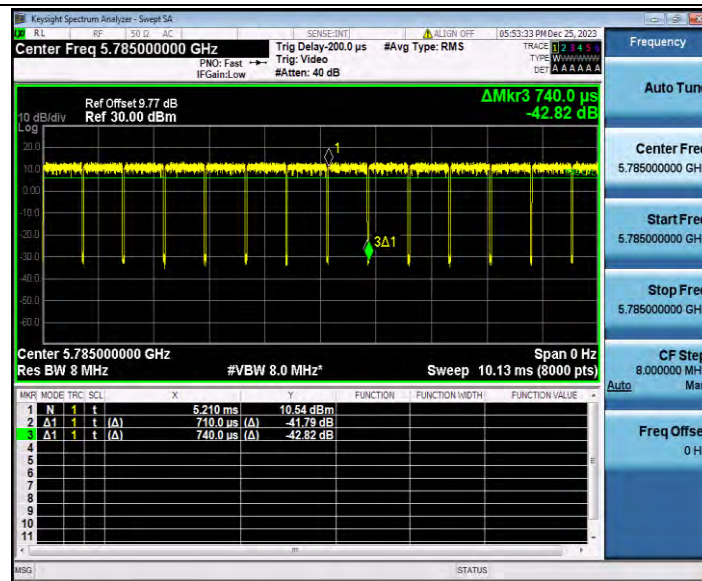
Start Freq
5.745000000 GHz

Stop Freq
5.745000000 GHz

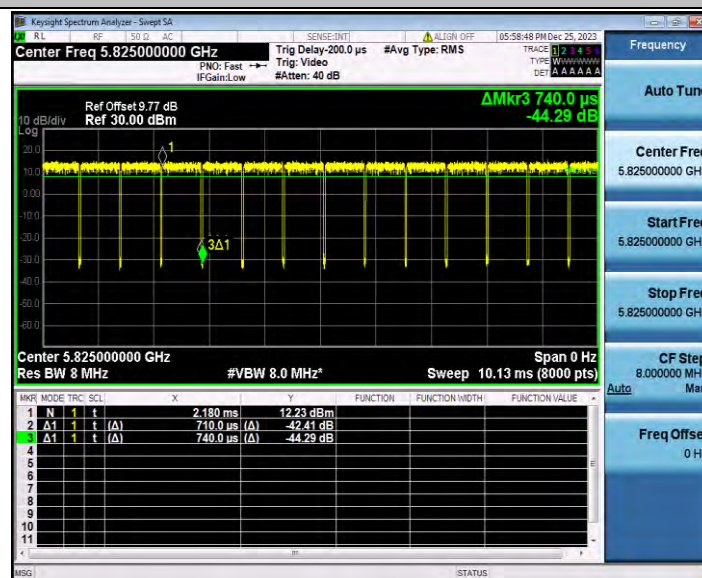
CF Step
8.000000 MHz
Man

Freq Offset
0 Hz

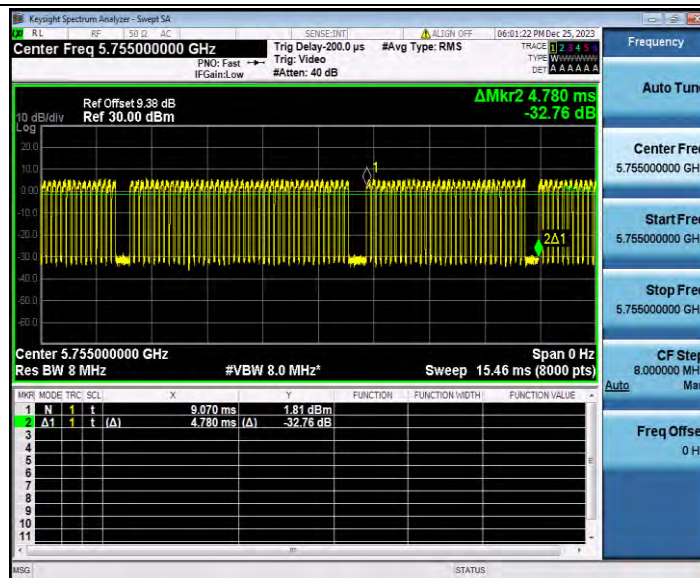
23



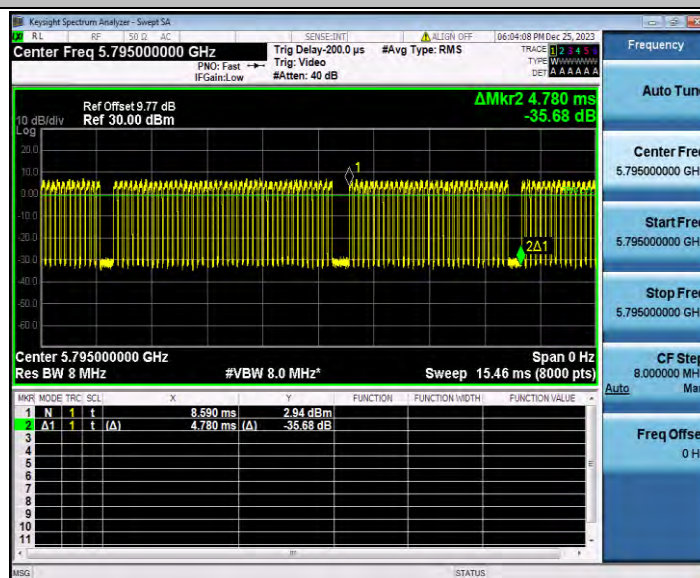
11N20SISO_Ant0_5785



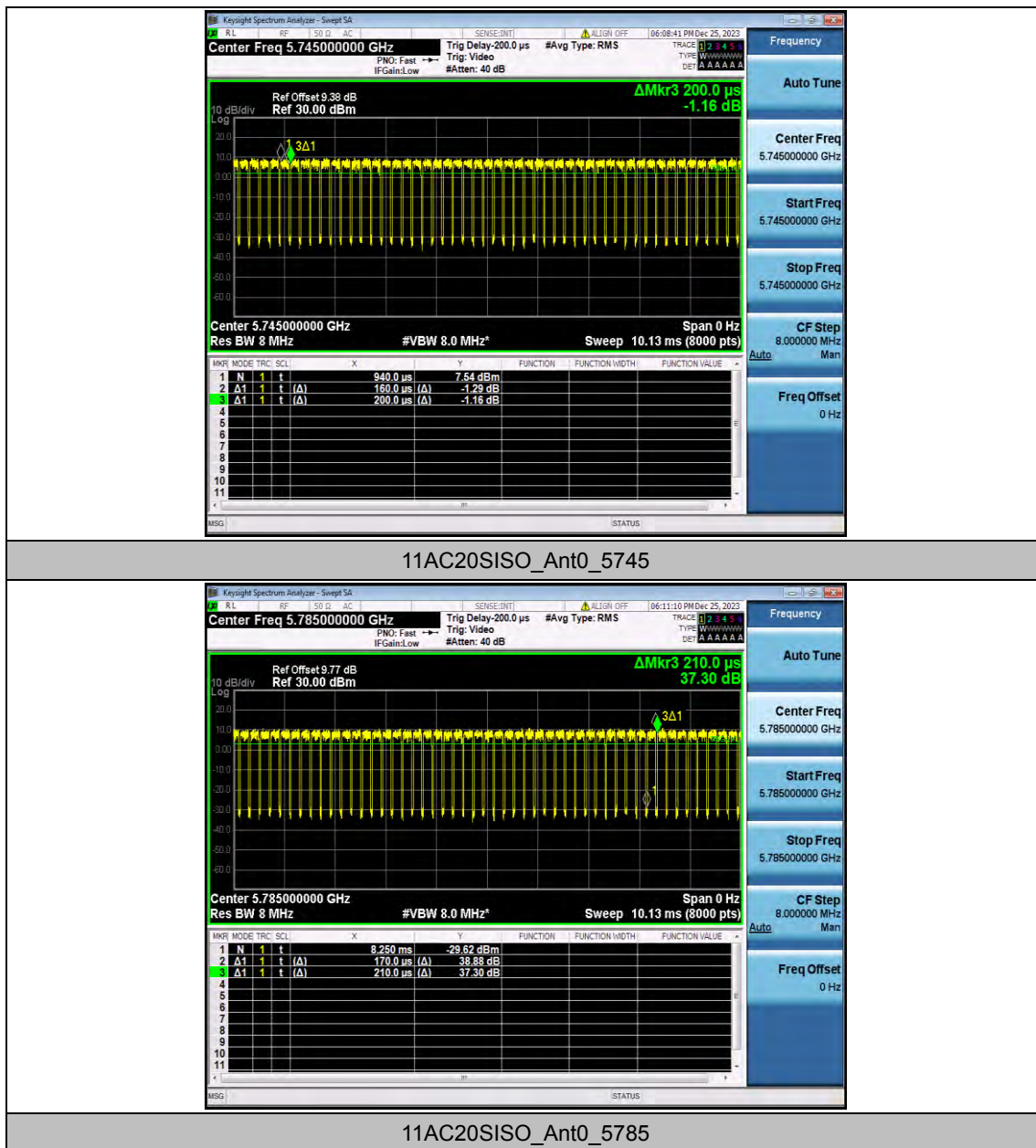
11N20SISO_Ant0_5825

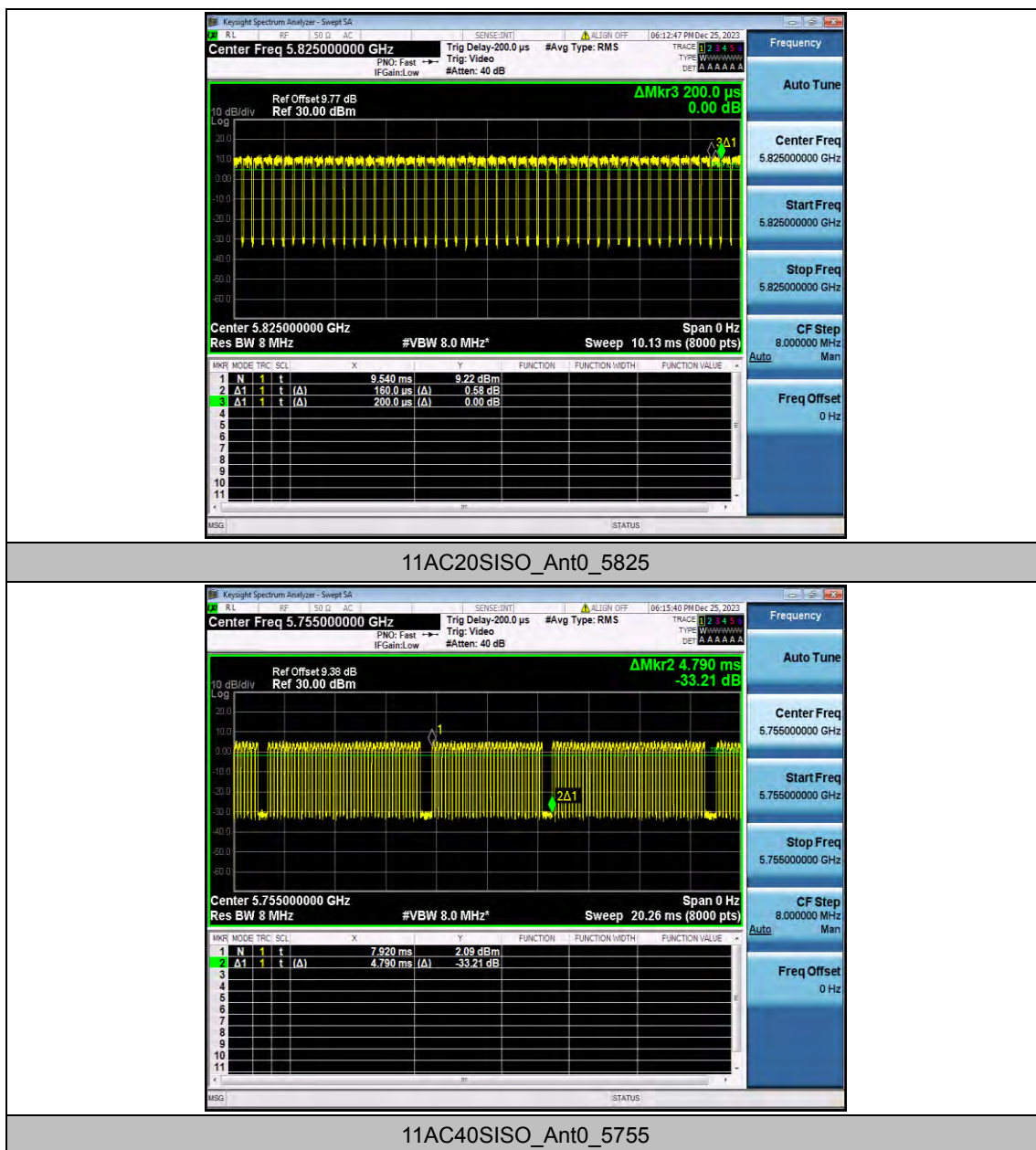


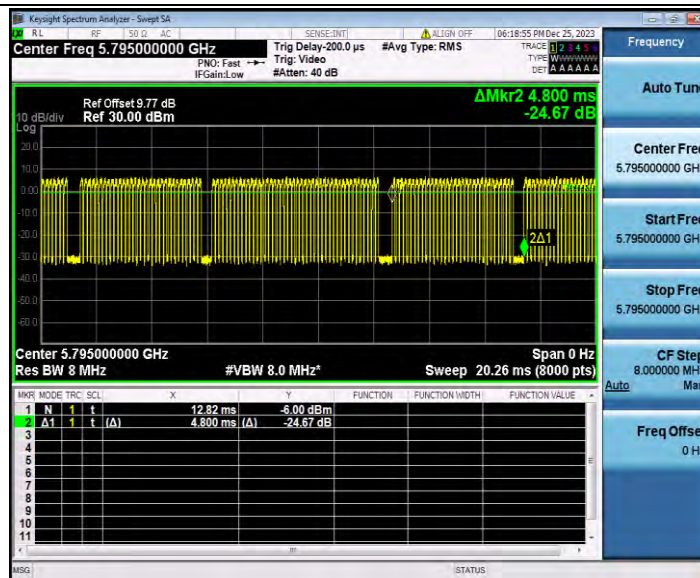
11N40SISO_Ant0_5755



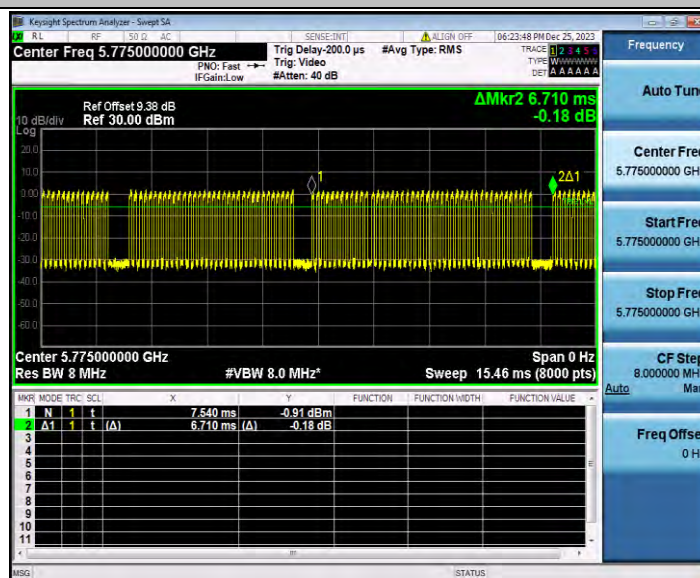
11N40SISO_Ant0_5795







11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775

