

FCC Appendix RF Test Data

FCC ID : 2BNKS-TW37

Company : Maxtop Global Trading Limited

EUT : WIRELESS CAMERA

Model Number : TW37

Report No. : CTA25061301502

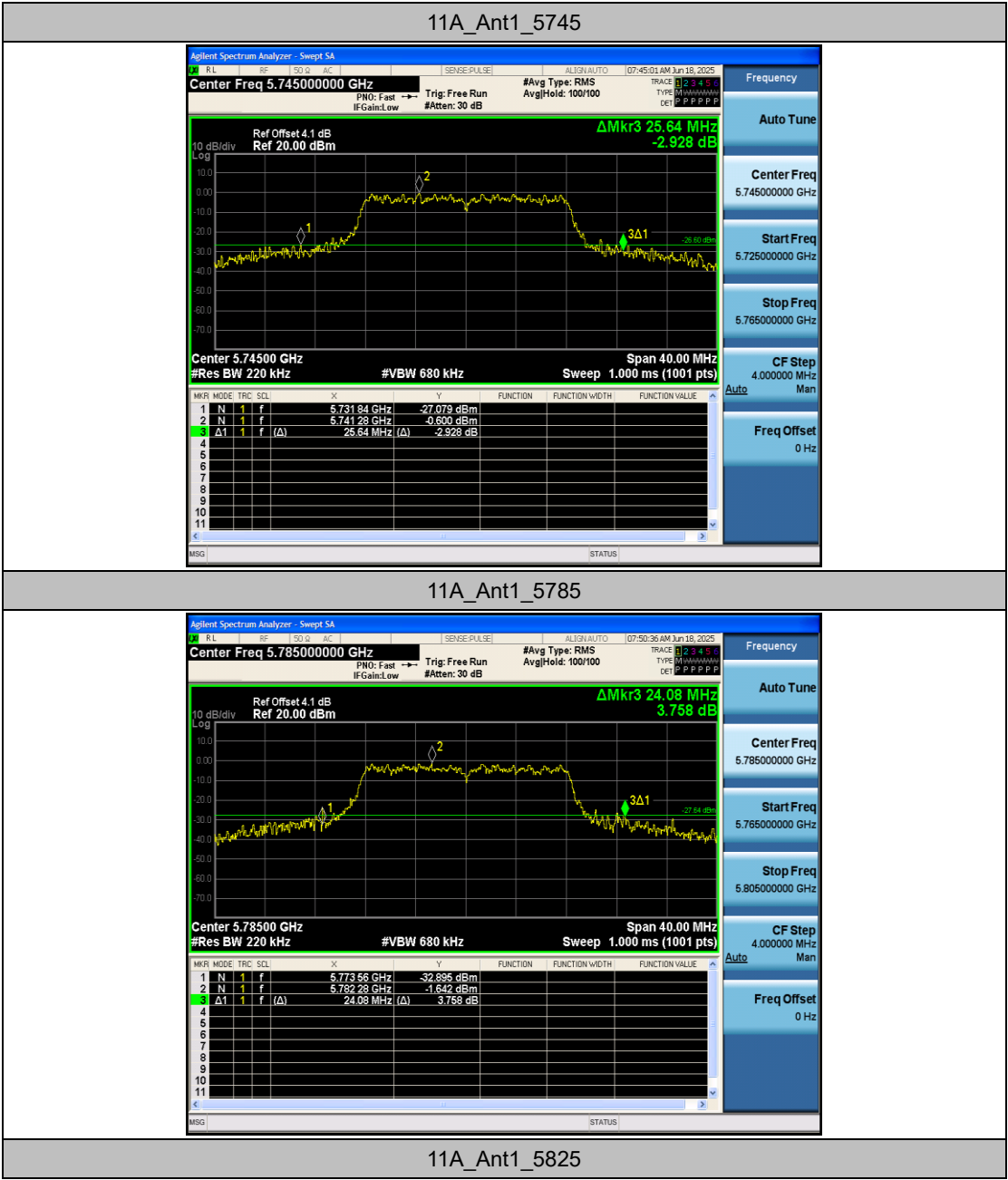
Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

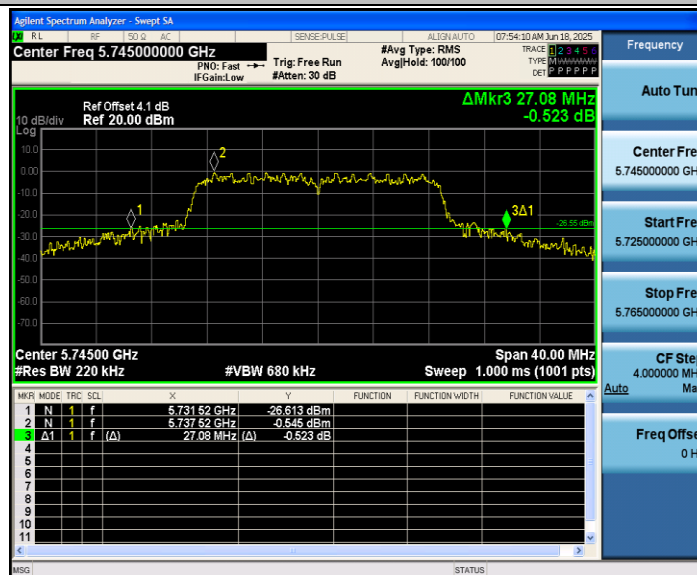
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	25.640	5731.840	5757.480	---	---
		5785	24.080	5773.560	5797.640	---	---
		5825	23.080	5812.800	5835.880	---	---
11N20SISO	Ant1	5745	27.080	5731.520	5758.600	---	---
		5785	24.640	5772.920	5797.560	---	---
		5825	28.000	5812.240	5840.240	---	---
11N40SISO	Ant1	5755	49.920	5727.640	5777.560	---	---
		5795	51.280	5767.800	5819.080	---	---
11AC20SISO	Ant1	5745	23.600	5733.480	5757.080	---	---
		5785	26.080	5772.040	5798.120	---	---
		5825	23.920	5812.120	5836.040	---	---
11AC40SISO	Ant1	5755	46.480	5729.800	5776.280	---	---
		5795	46.320	5770.680	5817.000	---	---
11AX20SISO	Ant1	5745	28.000	5731.080	5759.080	---	---
		5785	23.360	5772.960	5796.320	---	---
		5825	23.560	5811.600	5835.160	---	---
11AX40SISO	Ant1	5755	41.440	5734.600	5776.040	---	---
		5795	44.320	5772.600	5816.920	---	---

Test Graphs





11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



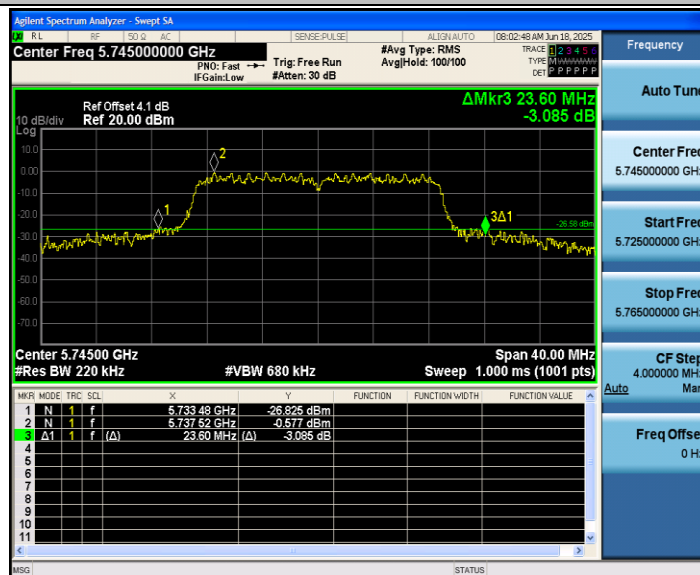
11N40SISO_Ant1_5755



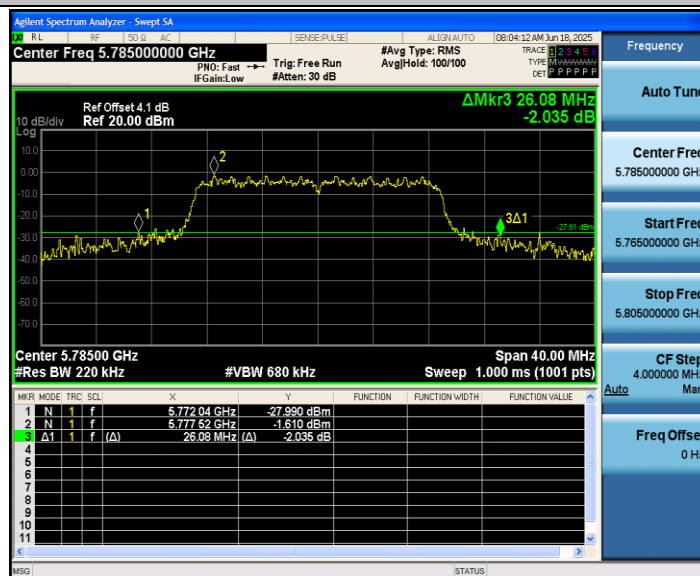
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



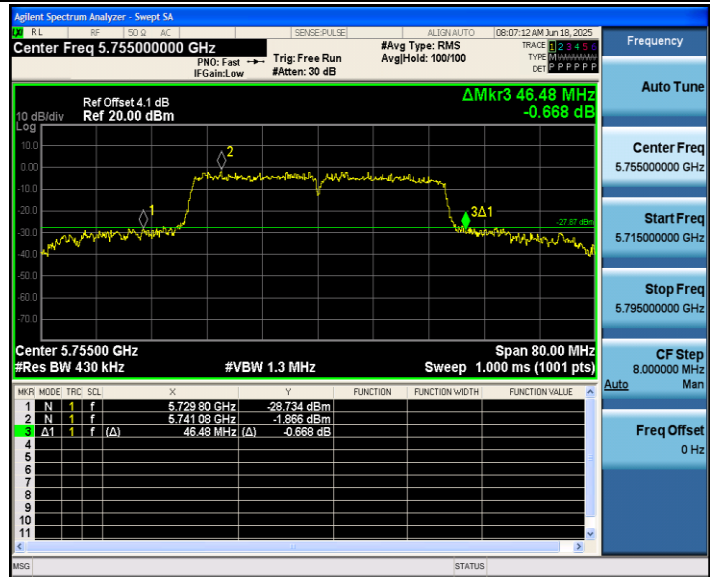
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



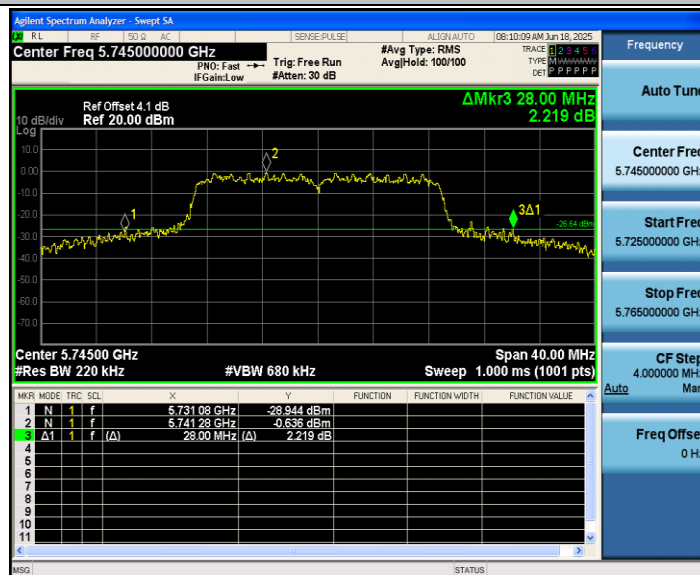
11AC40SISO_Ant1_5755



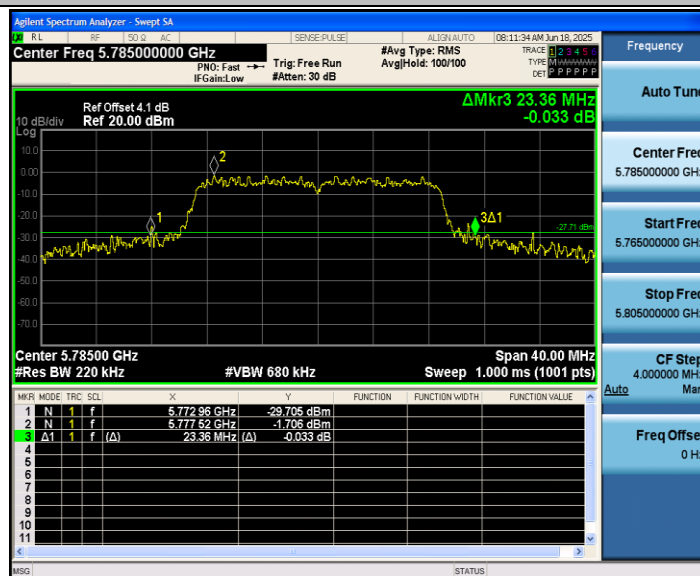
11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



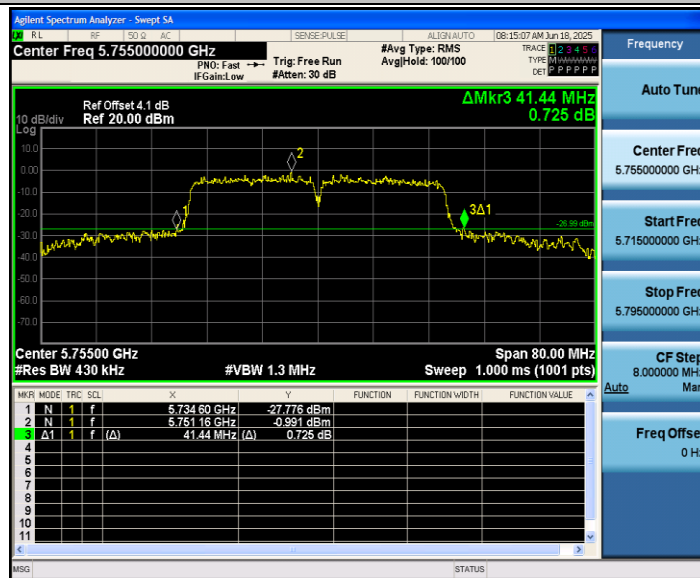
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

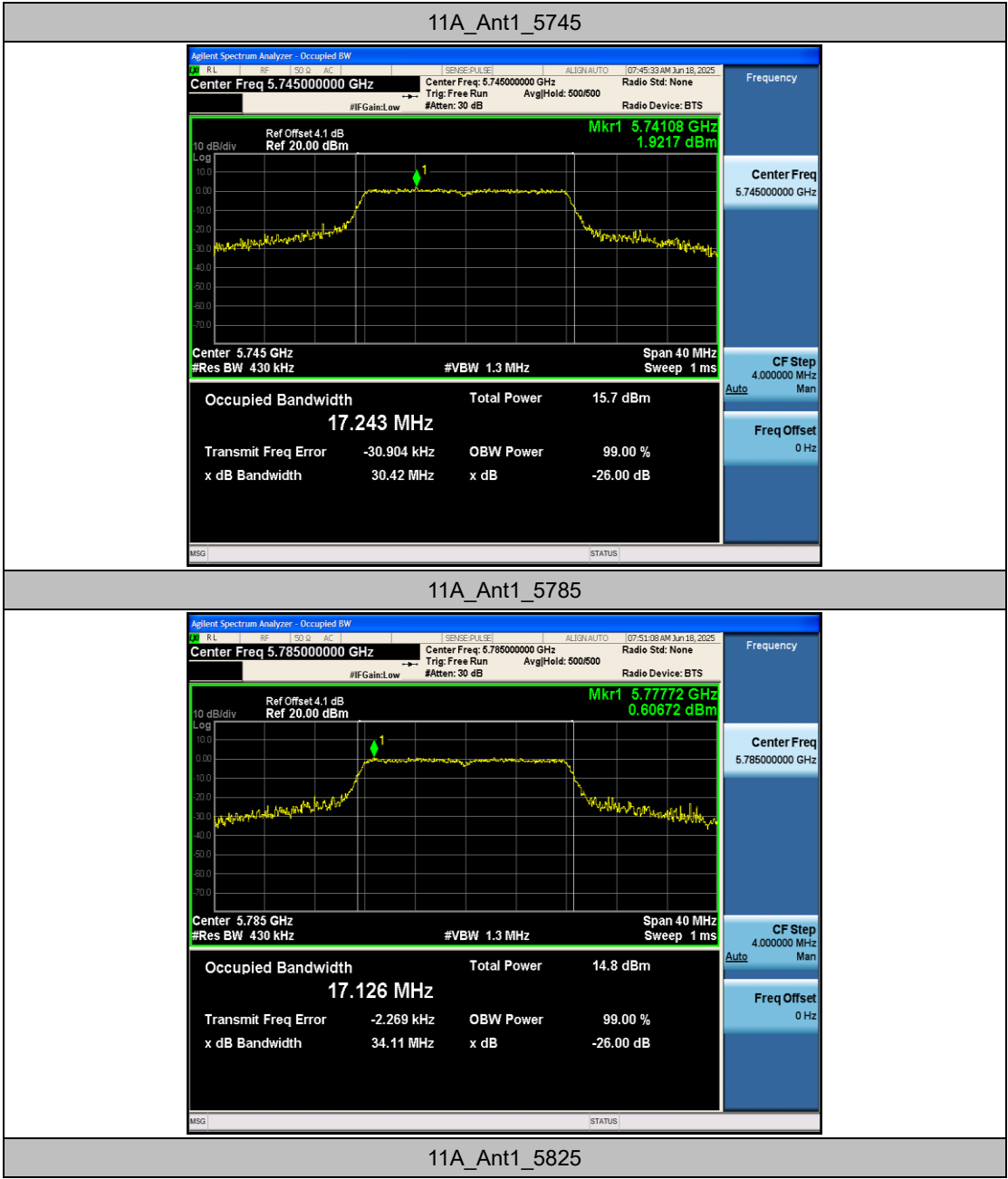


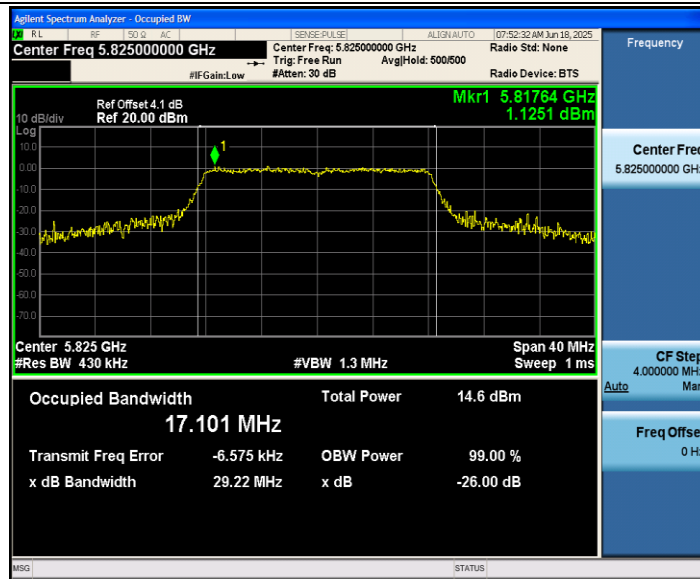
Appendix A2: Occupied channel bandwidth

Test Result

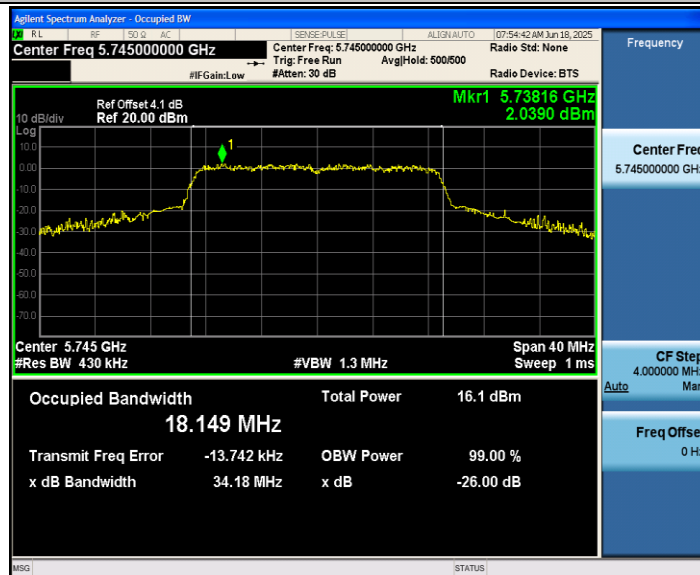
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.243	5736.3476	5753.5906	---	---
		5785	17.126	5776.4347	5793.5607	---	---
		5825	17.101	5816.4429	5833.5439	---	---
11N20SISO	Ant1	5745	18.149	5735.9118	5754.0608	---	---
		5785	18.125	5775.9831	5794.1081	---	---
		5825	18.135	5815.9905	5834.1255	---	---
11N40SISO	Ant1	5755	36.586	5736.6474	5773.2334	---	---
		5795	36.580	5776.7264	5813.3064	---	---
11AC20SISO	Ant1	5745	17.975	5736.0026	5753.9776	---	---
		5785	17.893	5776.0420	5793.9350	---	---
		5825	17.900	5816.0910	5833.9910	---	---
11AC40SISO	Ant1	5755	36.457	5736.7389	5773.1959	---	---
		5795	36.445	5776.7999	5813.2449	---	---
11AX20SISO	Ant1	5745	18.043	5735.9519	5753.9949	---	---
		5785	17.889	5776.0784	5793.9674	---	---
		5825	17.887	5816.1031	5833.9901	---	---
11AX40SISO	Ant1	5755	36.489	5736.7343	5773.2233	---	---
		5795	36.429	5776.7920	5813.2210	---	---

Test Graphs

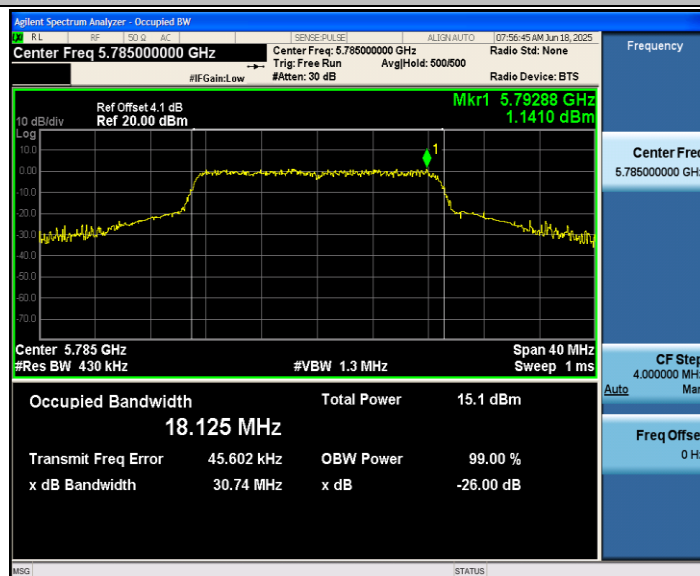




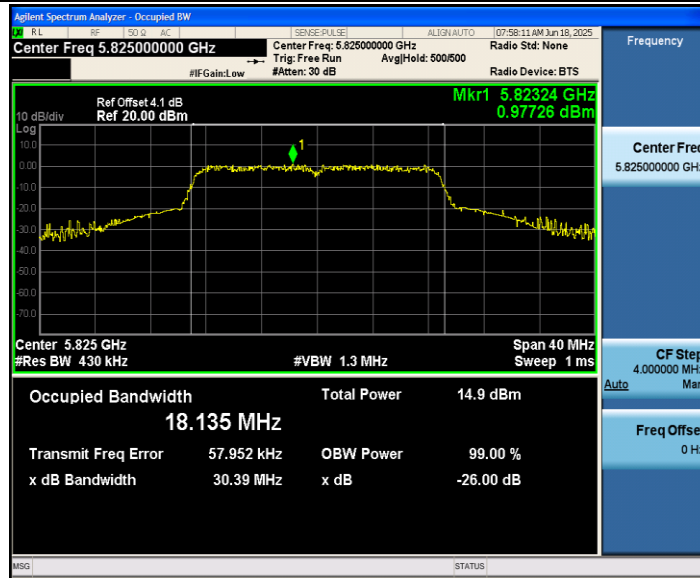
11N20SISO_Ant1_5745



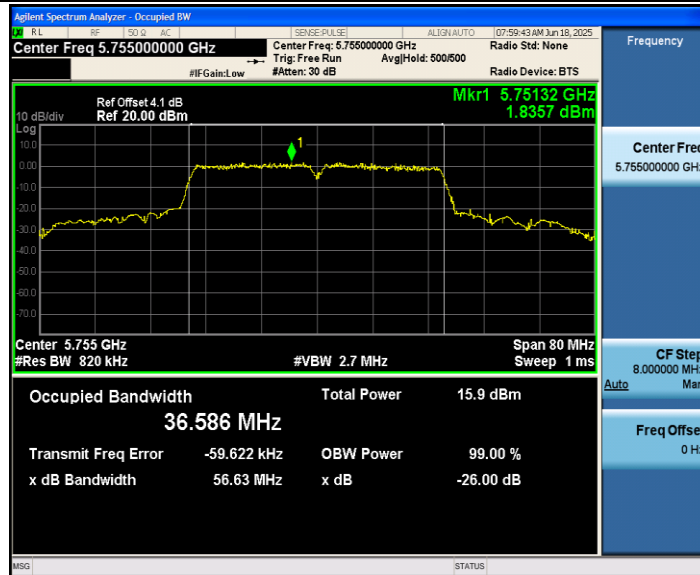
11N20SISO_Ant1_5785



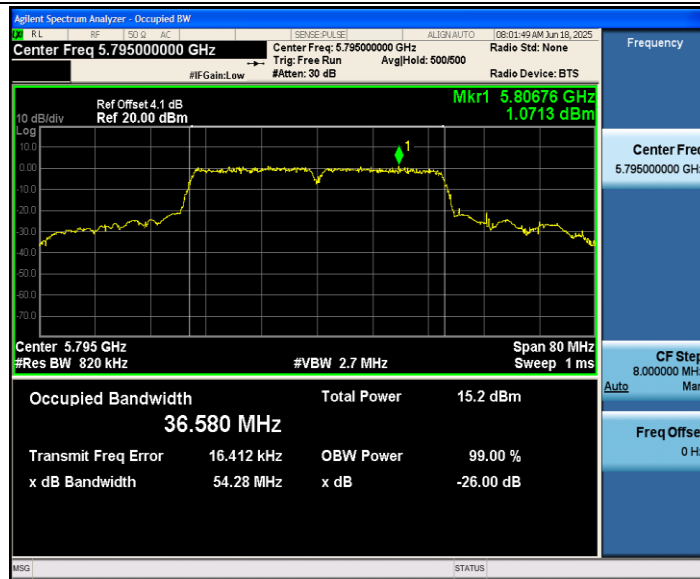
11N20SISO_Ant1_5825



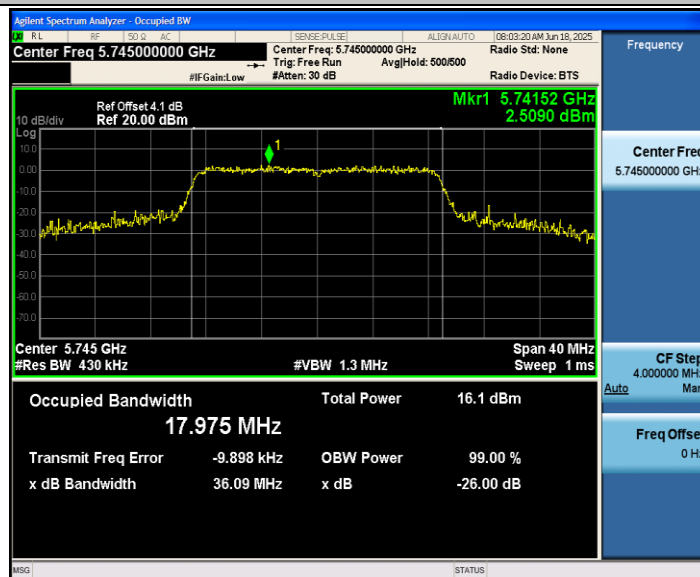
11N40SISO_Ant1_5755



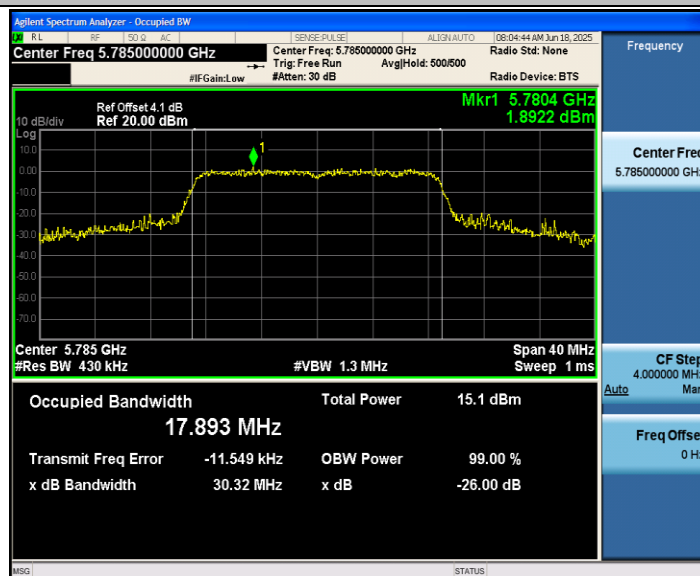
11N40SISO_Ant1_5795



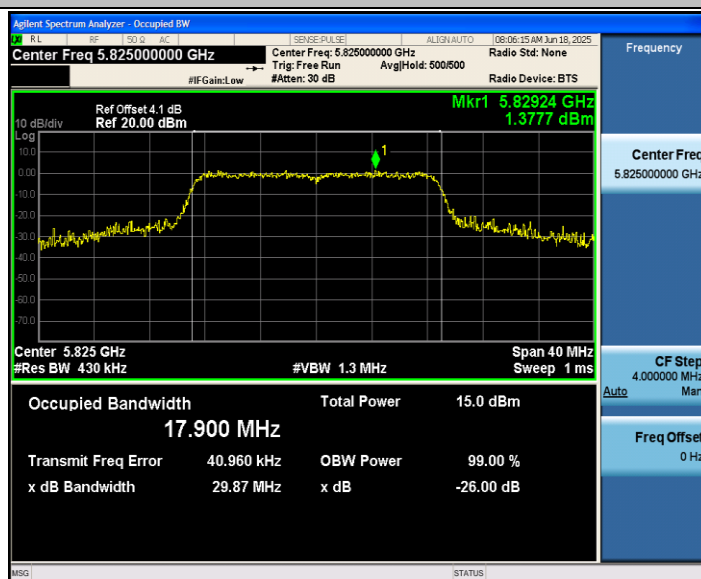
11AC20SISO_Ant1_5745



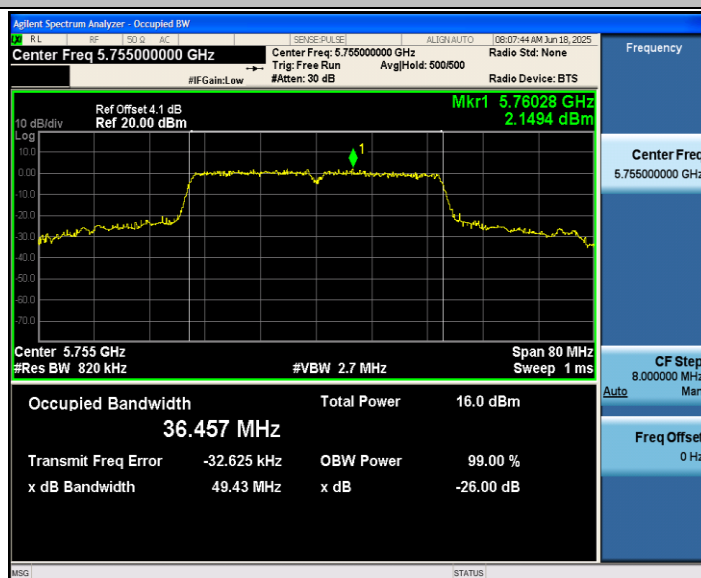
11AC20SISO_Ant1_5785



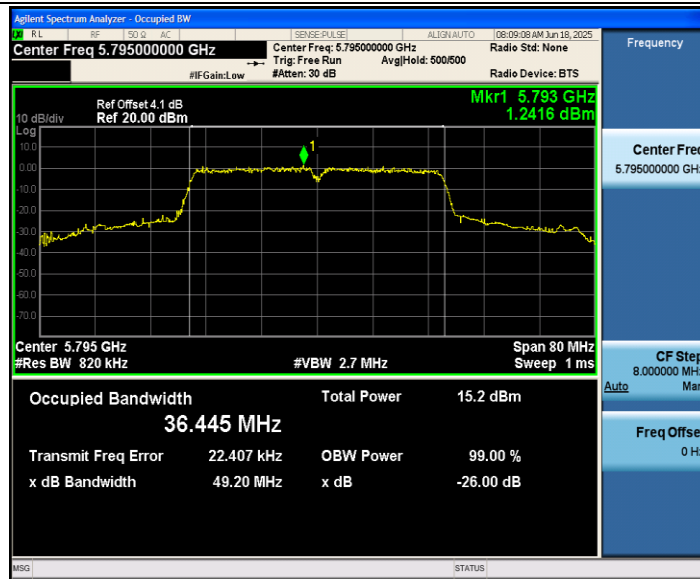
11AC20SISO_Ant1_5825



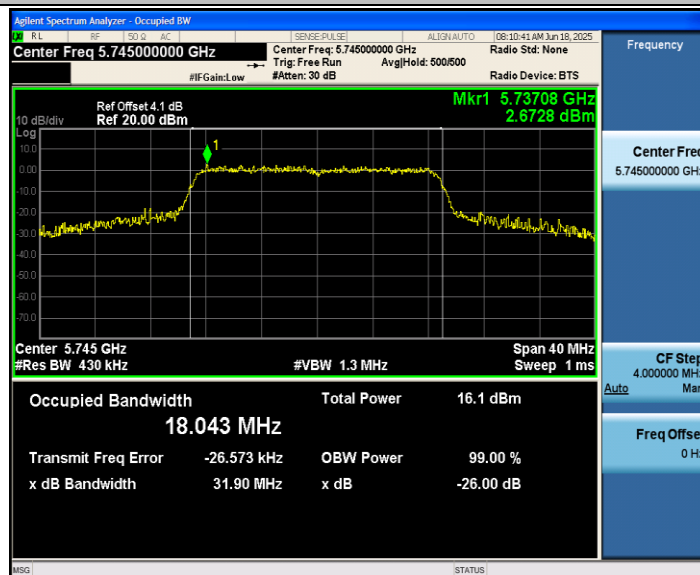
11AC40SISO_Ant1_5755



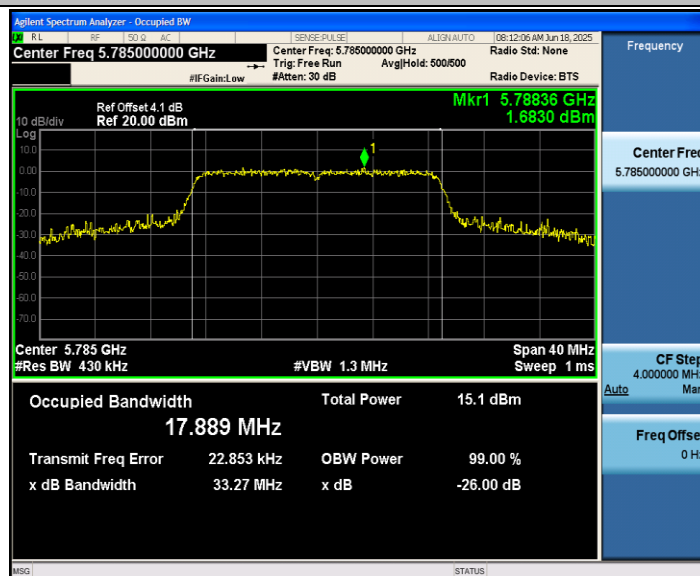
11AC40SISO_Ant1_5795



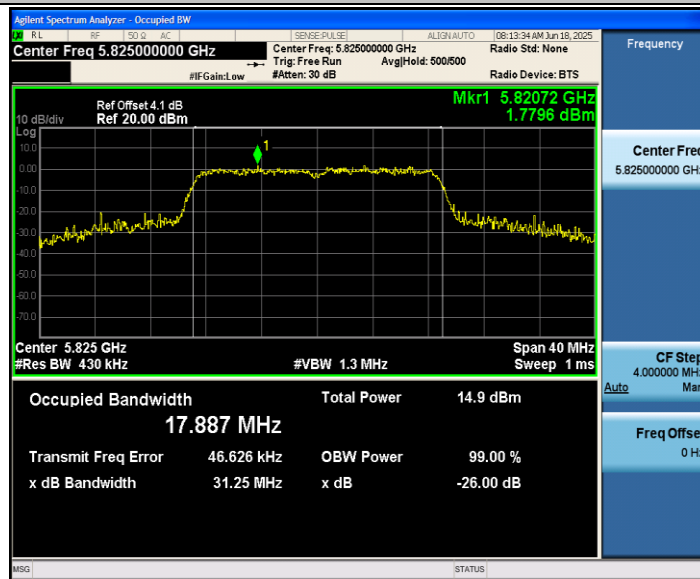
11AX20SISO_Ant1_5745



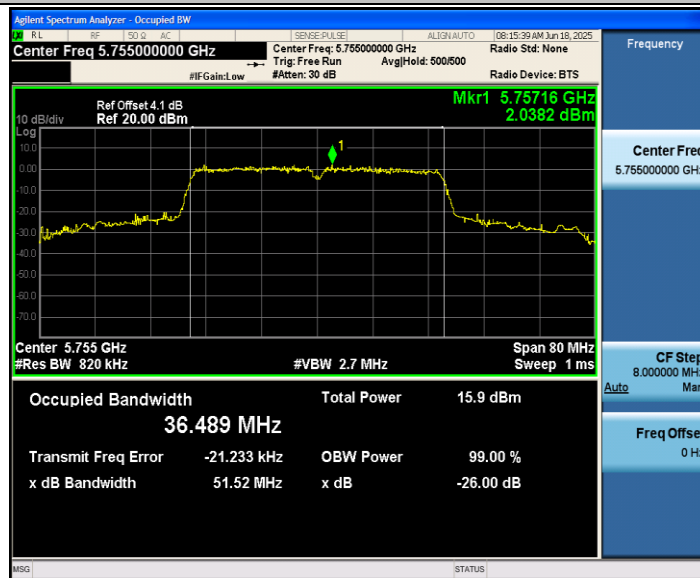
11AX20SISO_Ant1_5785



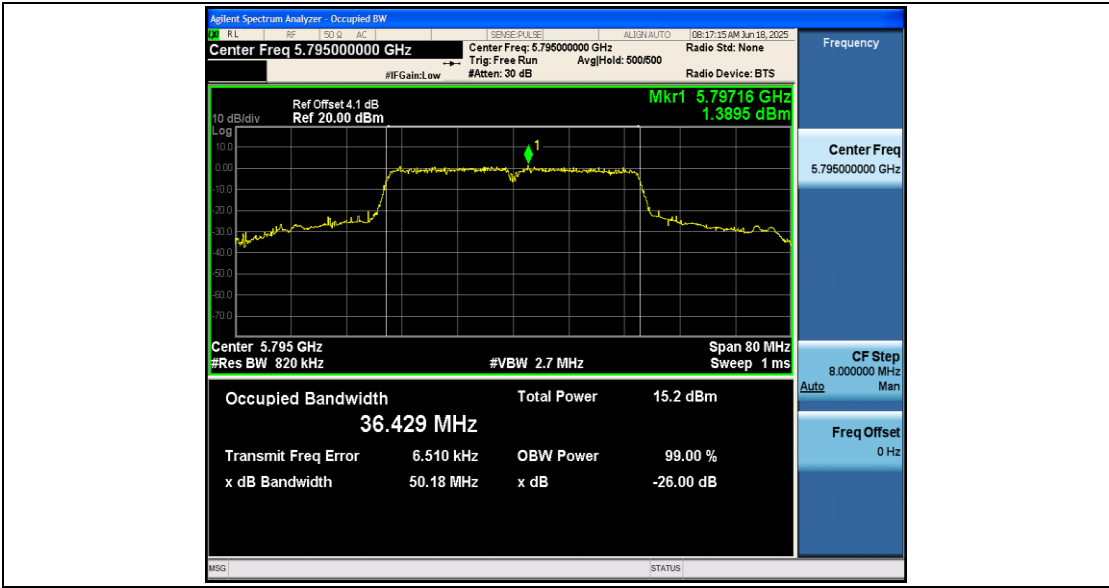
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

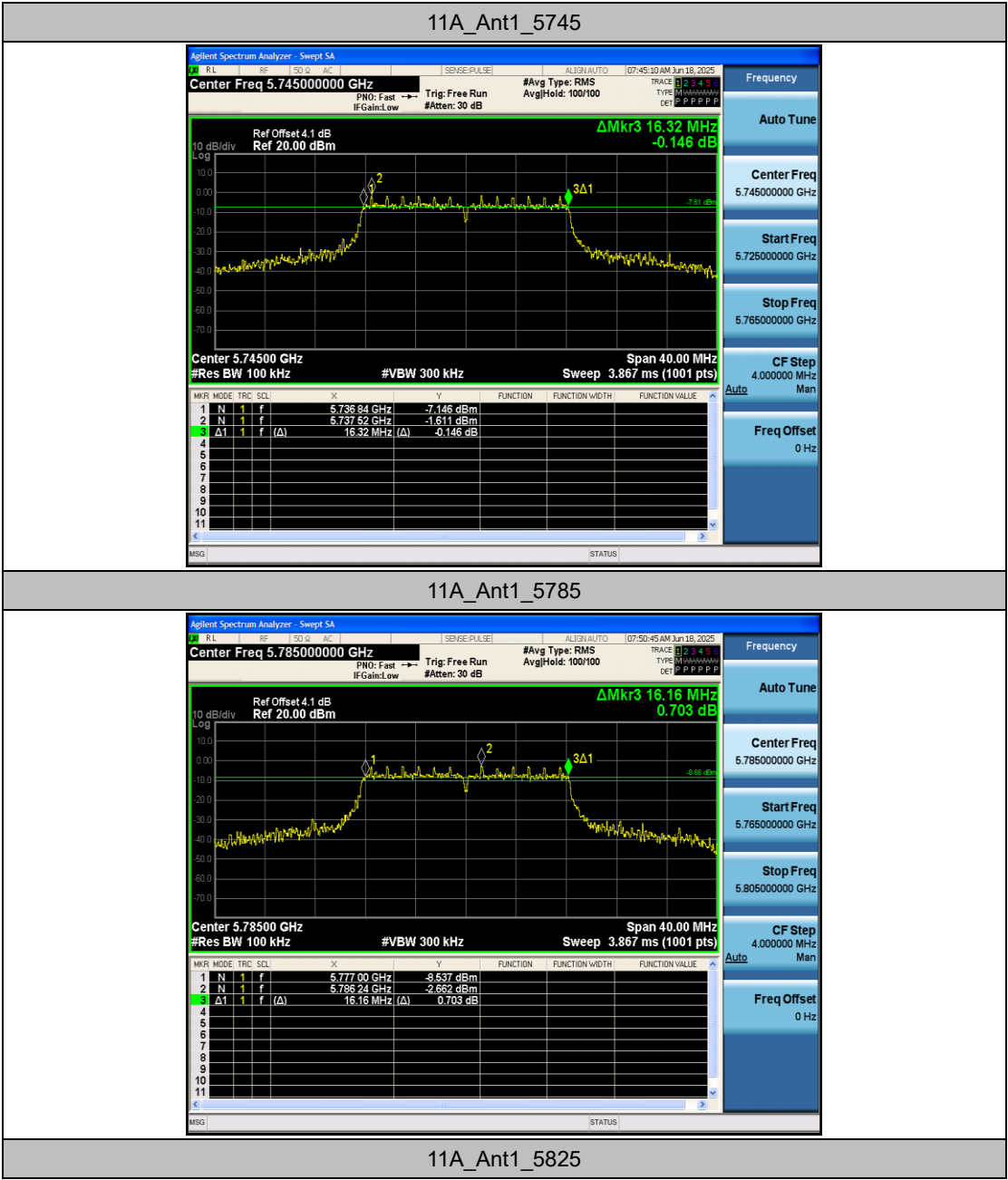


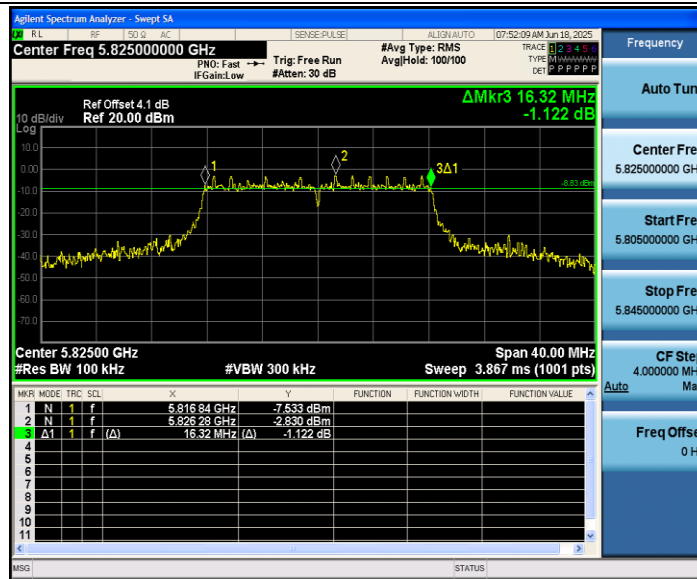
Appendix A3: Min emission bandwidth

Test Result B4

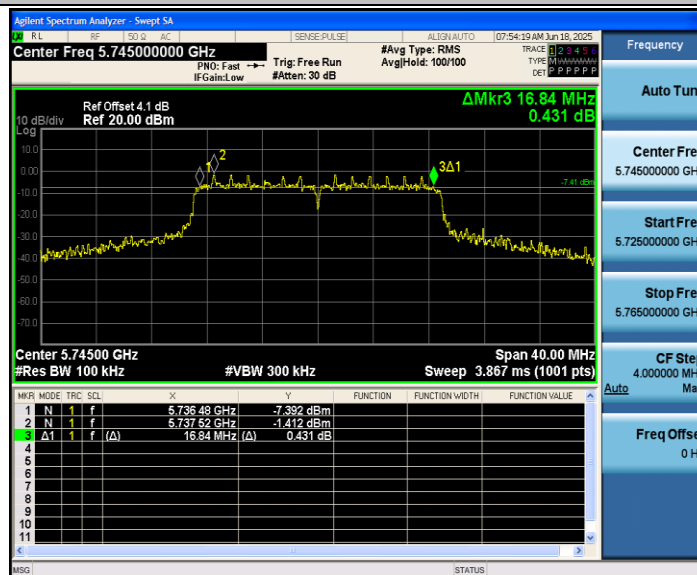
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.160	5777.000	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.840	5736.480	5753.320	0.5	PASS
		5785	16.920	5776.480	5793.400	0.5	PASS
		5825	17.040	5816.480	5833.520	0.5	PASS
11N40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.360	5777.240	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.840	5736.480	5753.320	0.5	PASS
		5785	16.720	5776.640	5793.360	0.5	PASS
		5825	17.120	5816.360	5833.480	0.5	PASS
11AC40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	16.920	5736.440	5753.360	0.5	PASS
		5785	17.120	5776.400	5793.520	0.5	PASS
		5825	16.720	5816.480	5833.200	0.5	PASS
11AX40SISO	Ant1	5755	35.520	5737.080	5772.600	0.5	PASS
		5795	35.280	5777.320	5812.600	0.5	PASS

Test Graphs B4

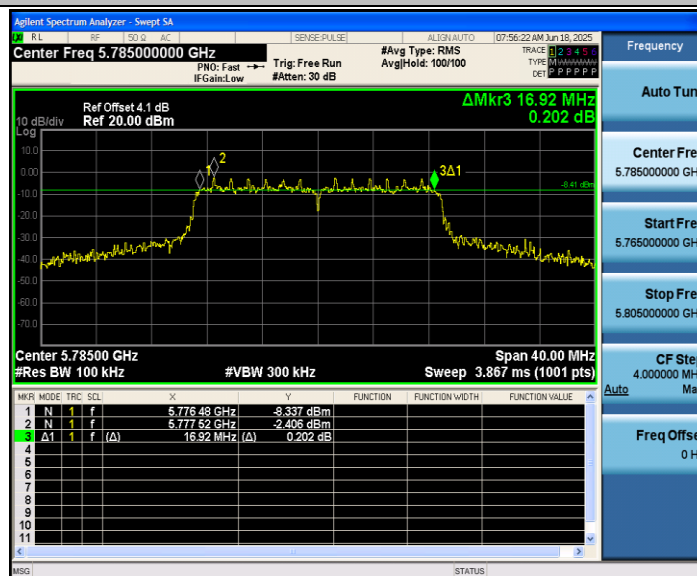




11N20SISO_Ant1_5745



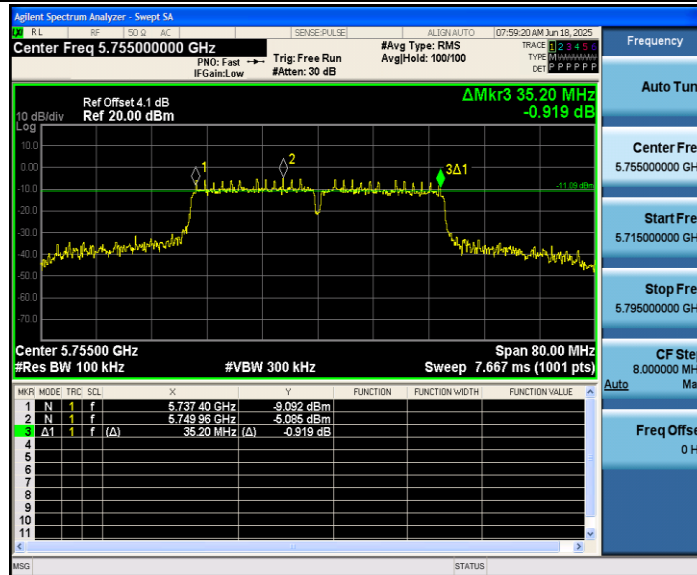
11N20SISO_Ant1_5785



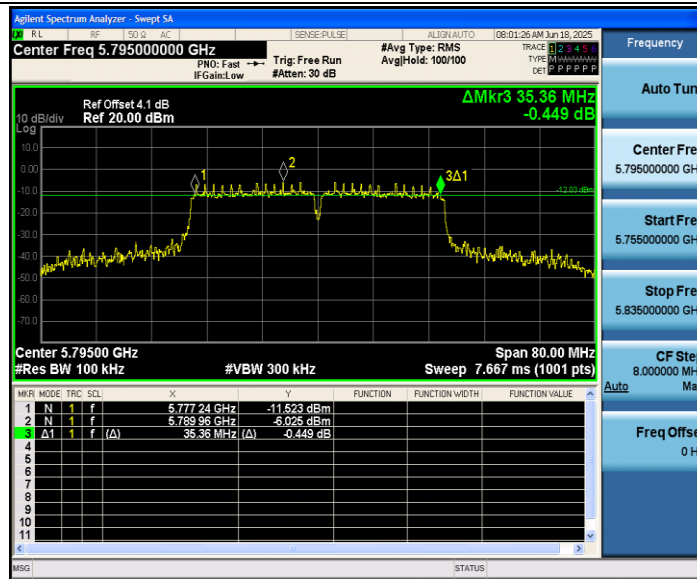
11N20SISO_Ant1_5825



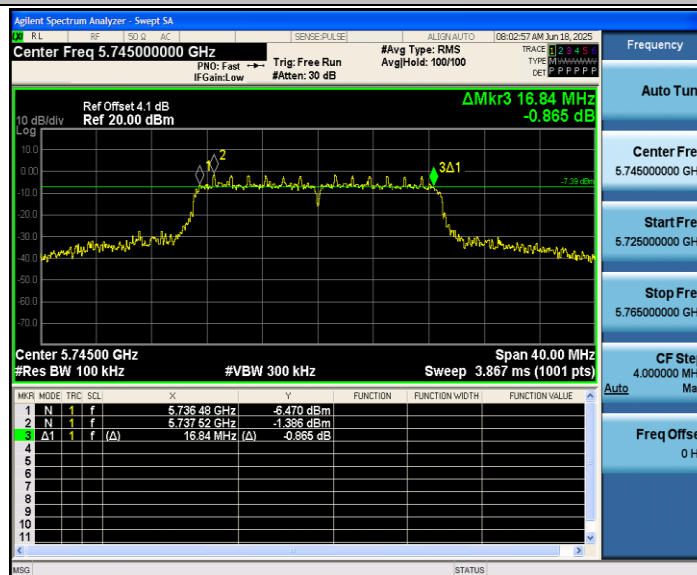
11N40SISO_Ant1_5755



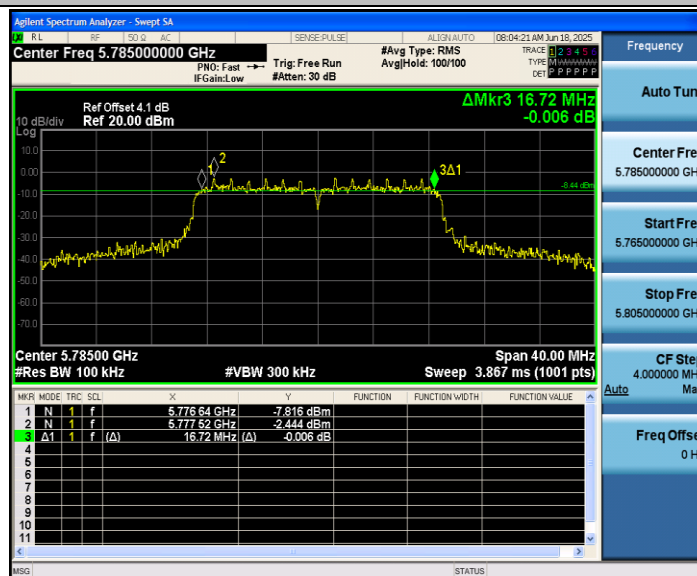
11N40SISO_Ant1_5795



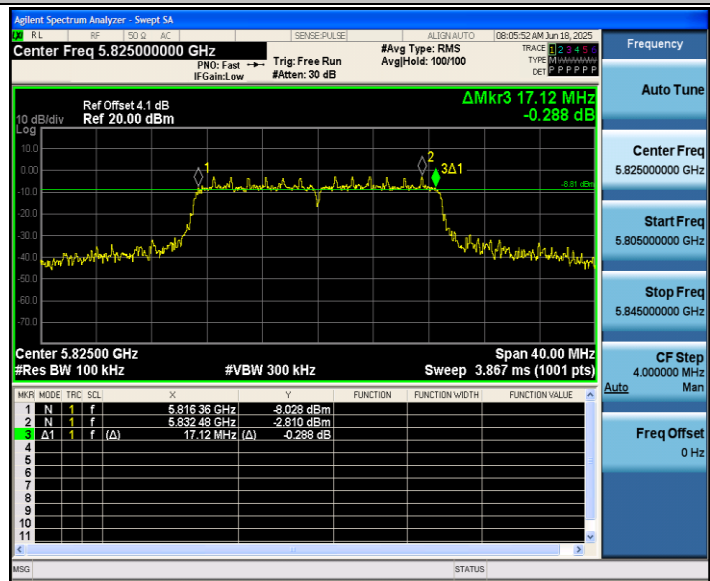
11AC20SISO_Ant1_5745



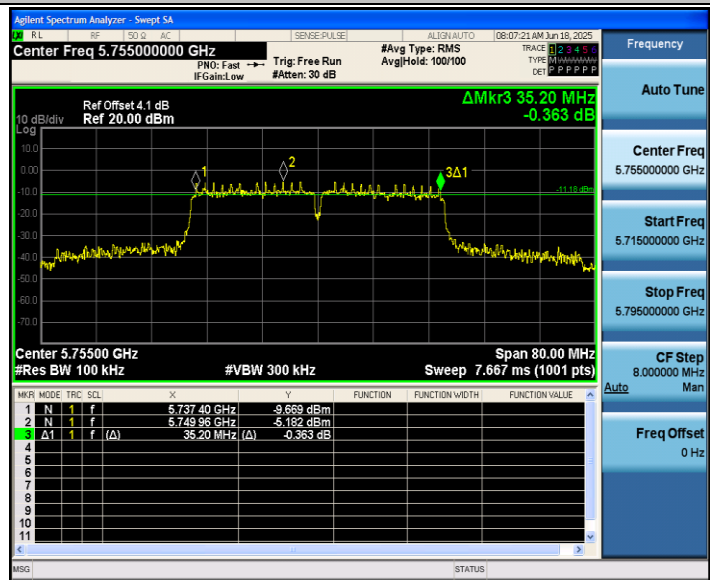
11AC20SISO_Ant1_5785



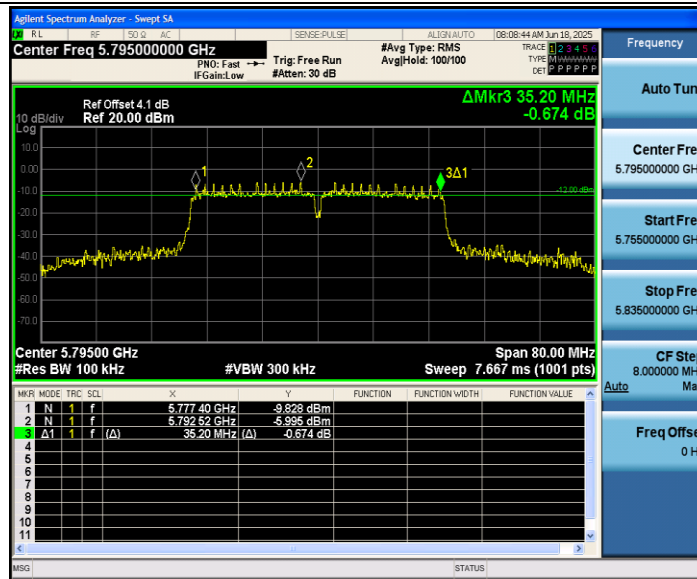
11AC20SISO_Ant1_5825



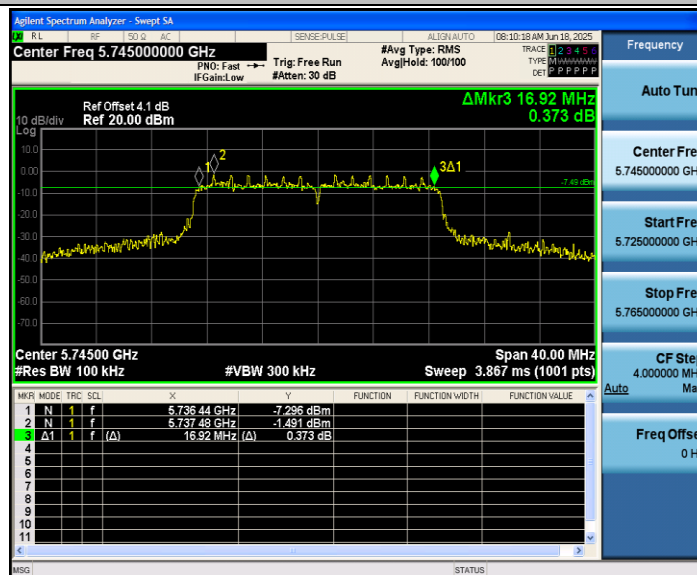
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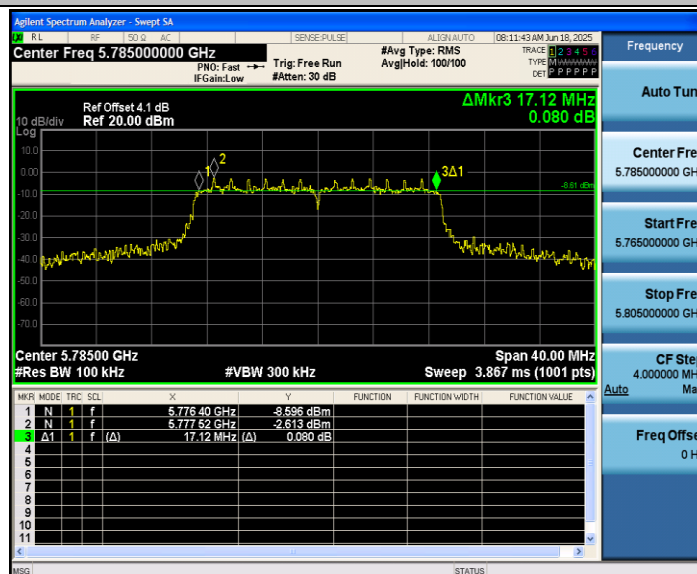
11AC40SISO_Ant1_5795



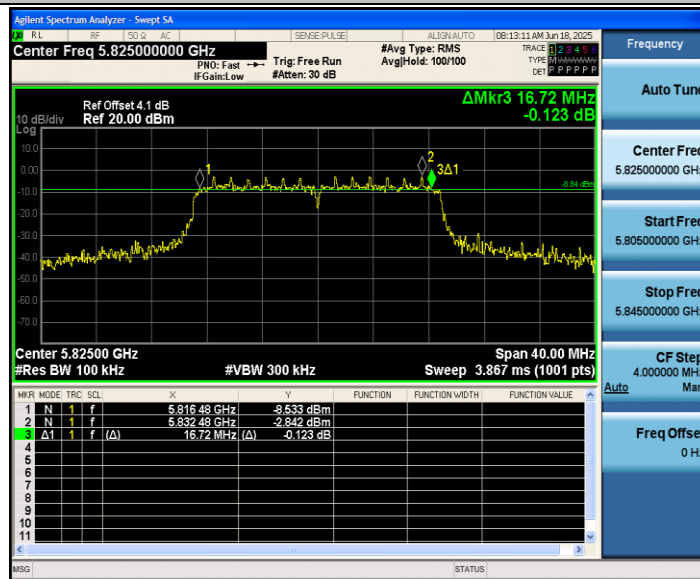
11AX20SISO_Ant1_5745



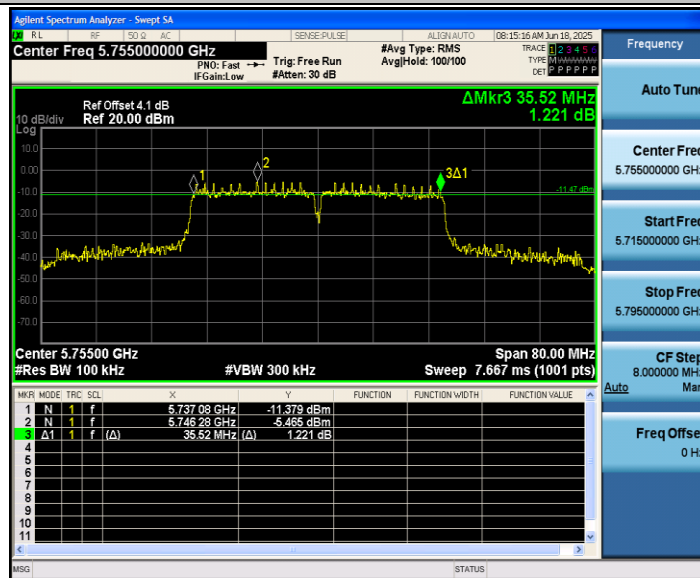
11AX20SISO_Ant1_5785



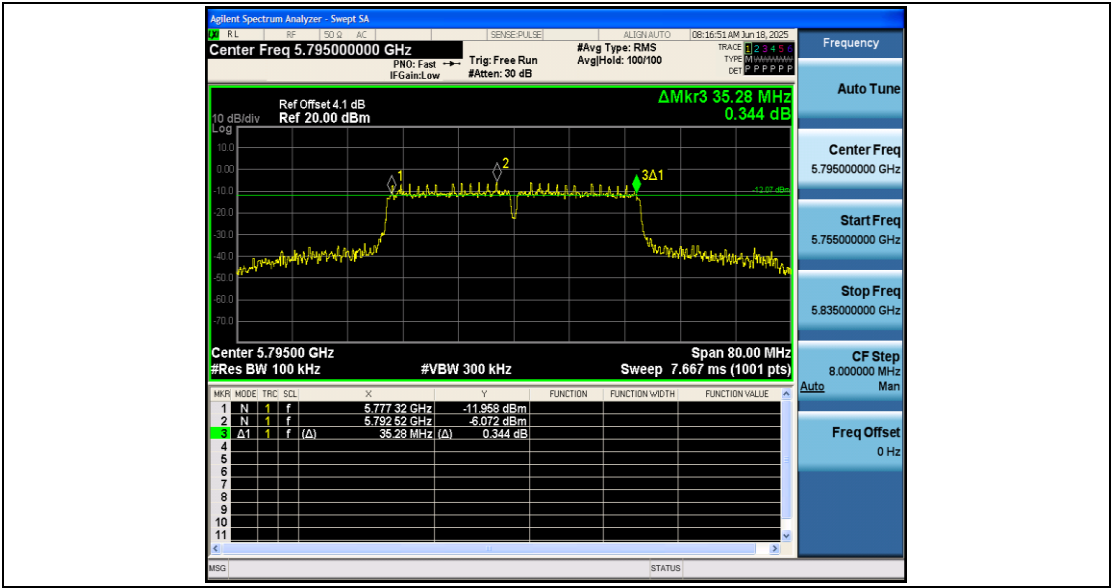
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



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	5745	0.11	0.18	61.11	2.14	---	---
		5785	0.11	0.17	64.71	1.89	---	---
		5825	0.11	0.17	64.71	1.89	---	---
11N20SISO	Ant1	5745	0.11	0.18	61.11	2.14	---	---
		5785	0.11	0.18	61.11	2.14	---	---
		5825	0.11	0.17	64.71	1.89	---	---
11N40SISO	Ant1	5755	0.07	0.14	50.00	3.01	---	---
		5795	0.07	0.14	50.00	3.01	---	---
11AC20SISO	Ant1	5745	0.12	0.19	63.16	2.00	---	---
		5785	0.12	0.18	66.67	1.76	---	---
		5825	0.12	0.18	66.67	1.76	---	---
11AC40SISO	Ant1	5755	0.08	0.14	57.14	2.43	---	---
		5795	0.08	0.14	57.14	2.43	---	---
11AX20SISO	Ant1	5745	0.12	0.19	63.16	2.00	---	---
		5785	0.12	0.18	66.67	1.76	---	---
		5825	0.12	0.19	63.16	2.00	---	---
11AX40SISO	Ant1	5755	0.08	0.15	53.33	2.73	---	---
		5795	0.08	0.15	53.33	2.73	---	---

11A_Ant1_5745

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.745000000 GHz

Ref Offset 4.1 dB

Ref 24.10 dBm

ΔMkr3 180.0 μs

57.71 dB

Center 5.745000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 1.000 ms (1001 pts)

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t					
2	Δ1	1	t	(Δ)	110.0 μs (Δ)	57.71 dB		
3	Δ1	1	t	(Δ)	180.0 μs (Δ)	57.71 dB		

11A_Ant1_5785

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.785000000 GHz

Ref Offset 4.1 dB

Ref 24.10 dBm

ΔMkr3 170.0 μs

-55.96 dB

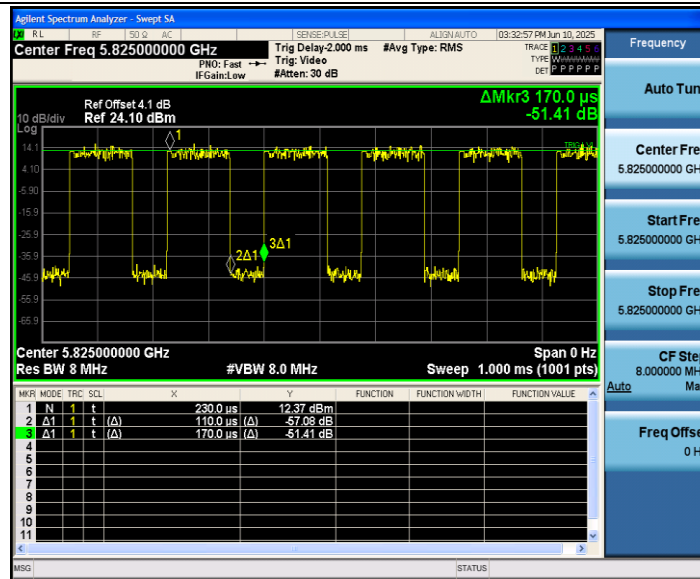
Center 5.785000000 GHz

Res BW 8 MHz

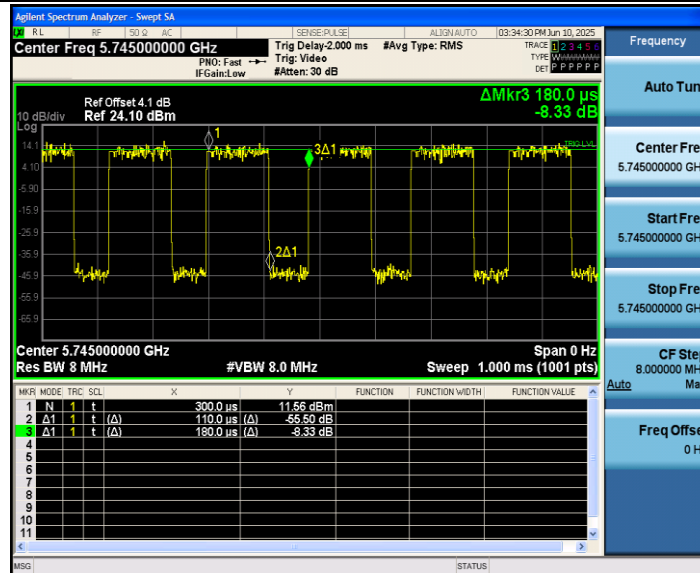
#VBW 8.0 MHz

Sweep 1.000 ms (1001 pts)

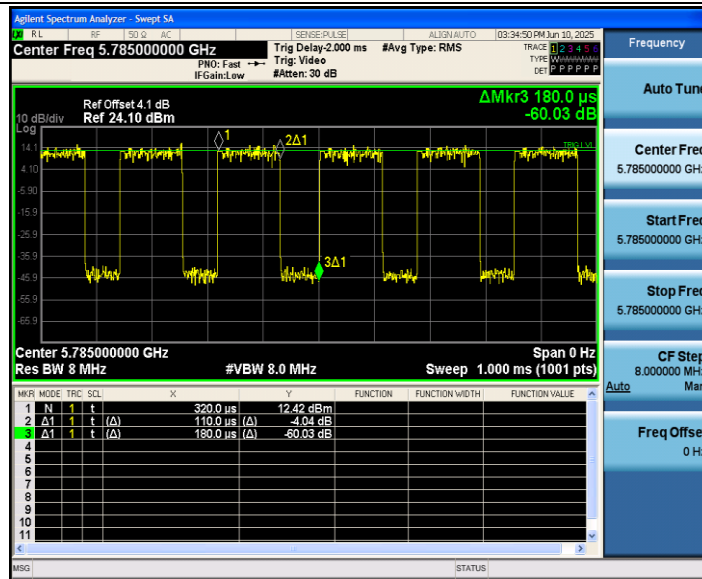
MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t					
2	Δ1	1	t	(Δ)	110.0 μs (Δ)	-55.96 dB		
3	Δ1	1	t	(Δ)	170.0 μs (Δ)	-55.96 dB		



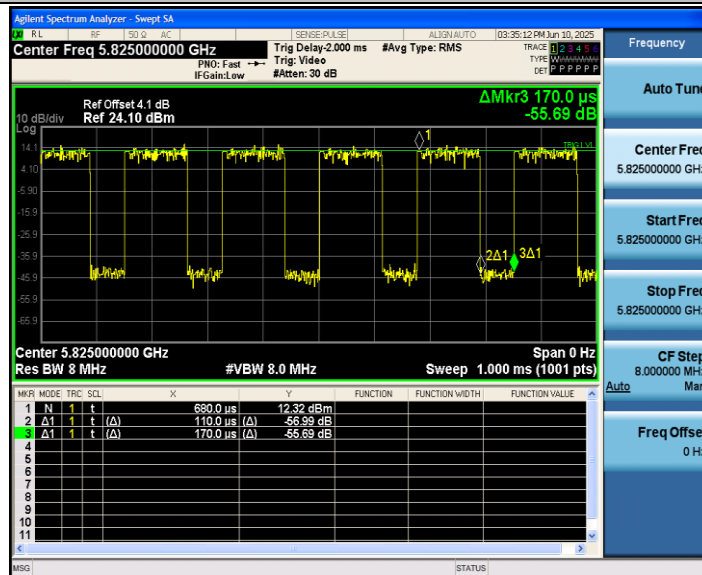
11N20SISO_Ant1_5745



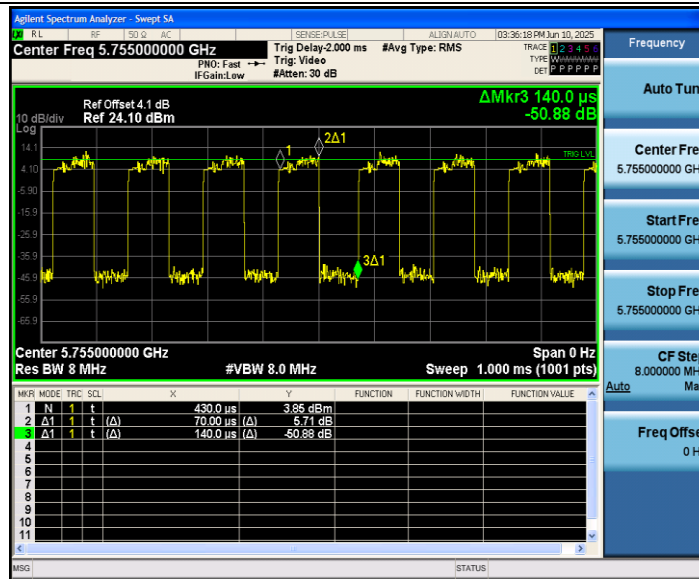
11N20SISO_Ant1_5785



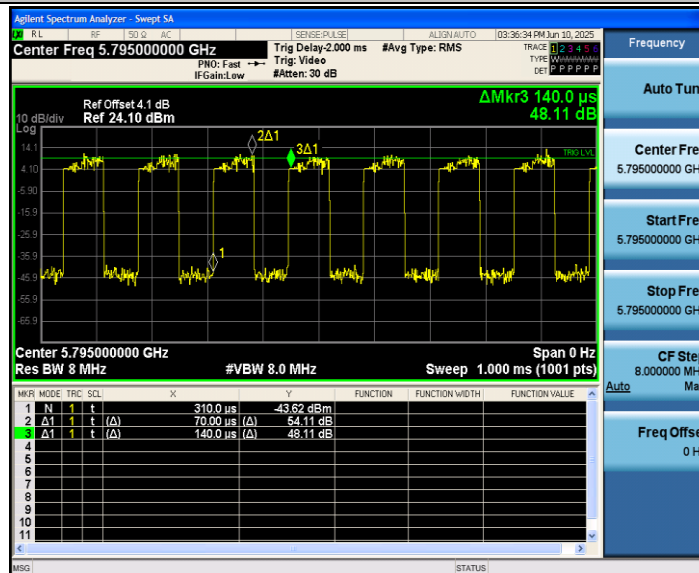
11N20SISO_Ant1_5825



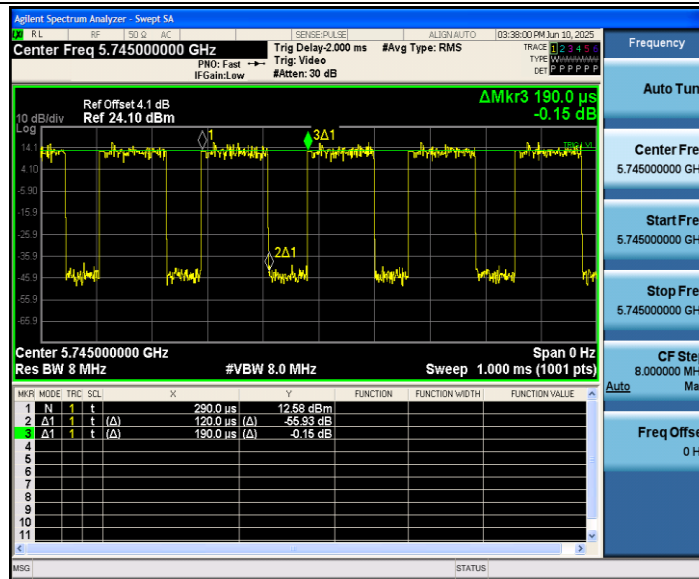
11N40SISO_Ant1_5755



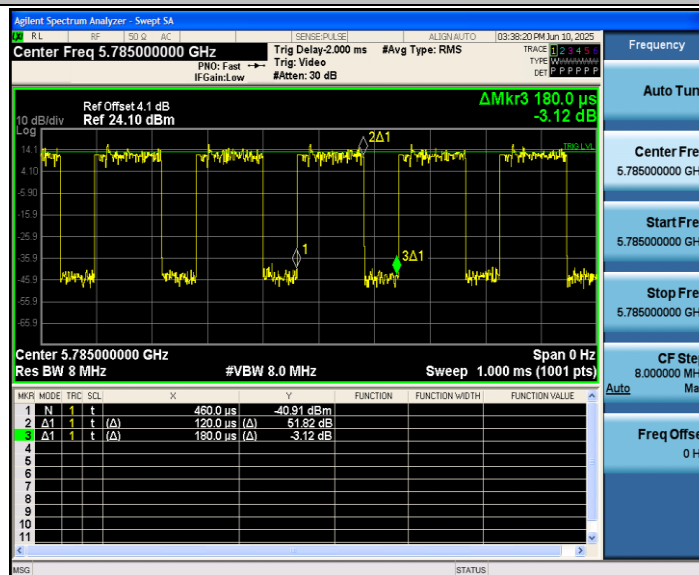
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

