Case No. : GTS20250326027-1-04	
Ambient Condition: 22 ℃, 51 %RH	
According Standard: ■Part15E	
Test Date: 2025.6.10	**Test Engineer:** Evan ouyang

Appendix E.1: Occupied channel bandwidth

Test Result

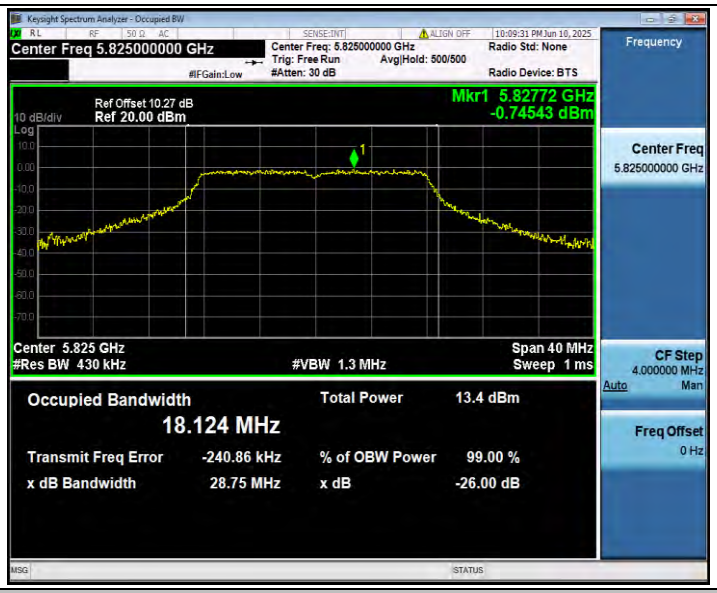
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	18.000	5735.7631	5753.7631	---	---
		5785	18.101	5775.7708	5793.8718	---	---
		5825	18.124	5815.6971	5833.8211	---	---
11N20SISO	Ant1	5745	19.024	5735.2801	5754.3041	---	---
		5785	19.119	5775.2254	5794.3444	---	---
		5825	19.191	5815.2213	5834.4123	---	---
11N40SISO	Ant1	5755	37.568	5735.9240	5773.4920	---	---
		5795	37.634	5775.9728	5813.6068	---	---
11AC20SISO	Ant1	5745	18.969	5735.3871	5754.3561	---	---
		5785	19.055	5775.3248	5794.3798	---	---
		5825	19.143	5815.2439	5834.3869	---	---
11AC40SISO	Ant1	5755	37.697	5735.9120	5773.6090	---	---
		5795	37.596	5776.0062	5813.6022	---	---
11AX20SISO	Ant1	5745	19.628	5735.1466	5754.7746	---	---
		5785	19.645	5775.1019	5794.7469	---	---
		5825	19.670	5815.0226	5834.6926	---	---
11AX40SISO	Ant1	5755	38.719	5735.4488	5774.1678	---	---
		5795	38.664	5775.4914	5814.1554	---	---

Test Graphs

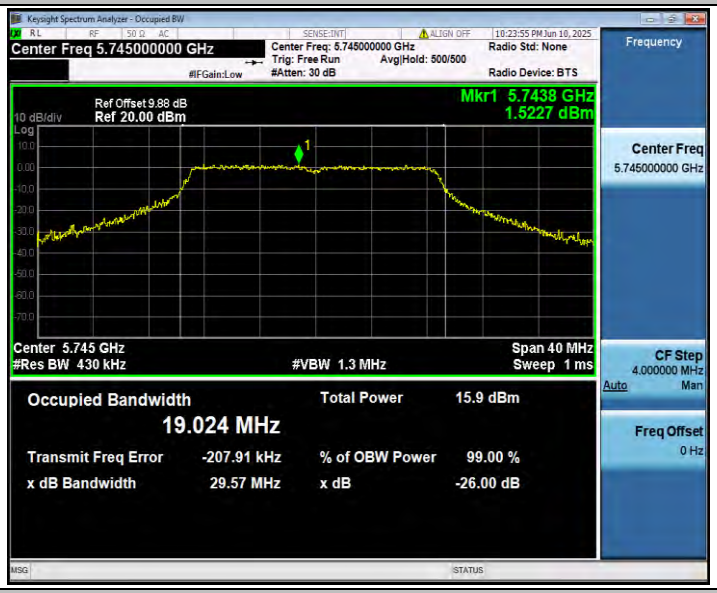
11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825



11N20SISO_Ant1_5745

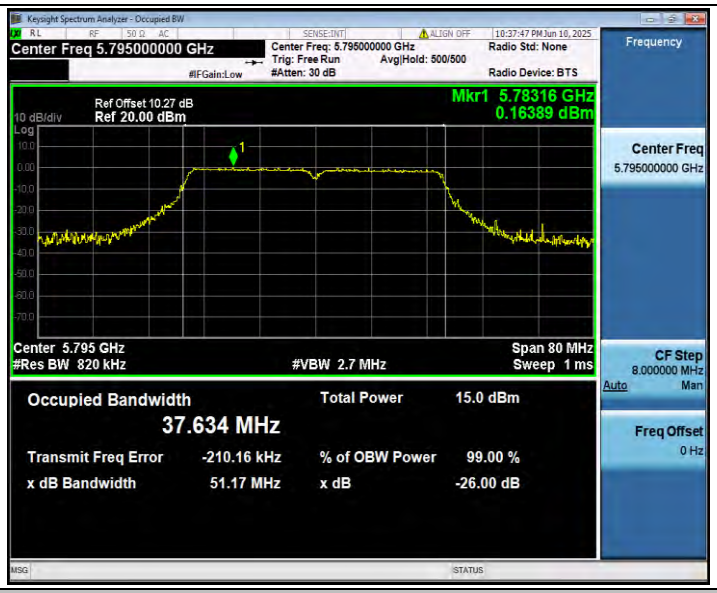


11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

11N40SISO_Ant1_5755

11N40SISO_Ant1_5795



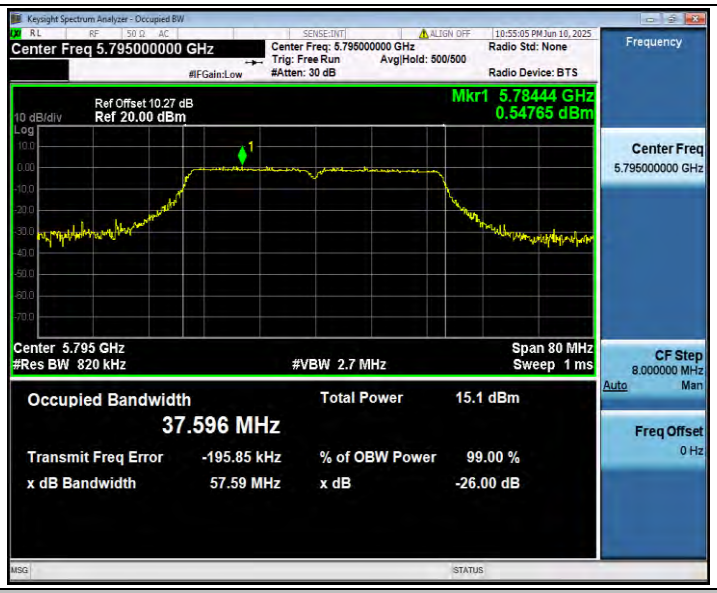
11AC20SISO_Ant1_5745

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

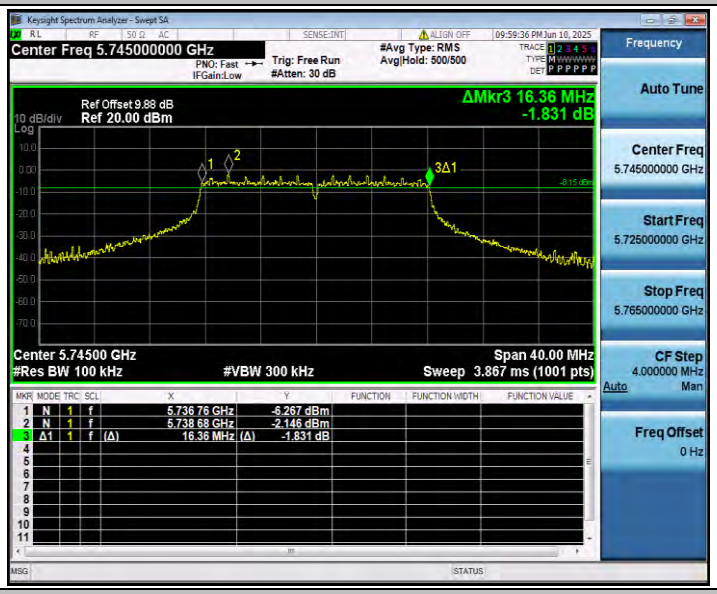
Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:INT
ALIGN OFF
11:08:31 PM Jun 10, 2025
Center Freq 5.795000000 GHz
#IFGain:Low
Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 500/500
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 10.27 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.78108 GHz
3.3628 dBm
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 80 MHz
Sweep 1 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
38.664 MHz
Total Power
16.5 dBm
Transmit Freq Error
-176.61 kHz
% of OBW Power
99.00 %
x dB Bandwidth
46.27 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

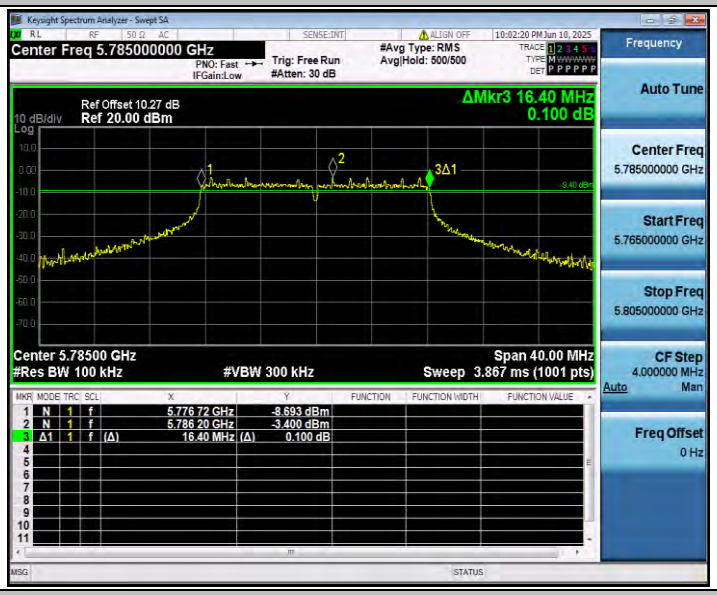
Appendix E.2: Min emission bandwidth

Test Result B4

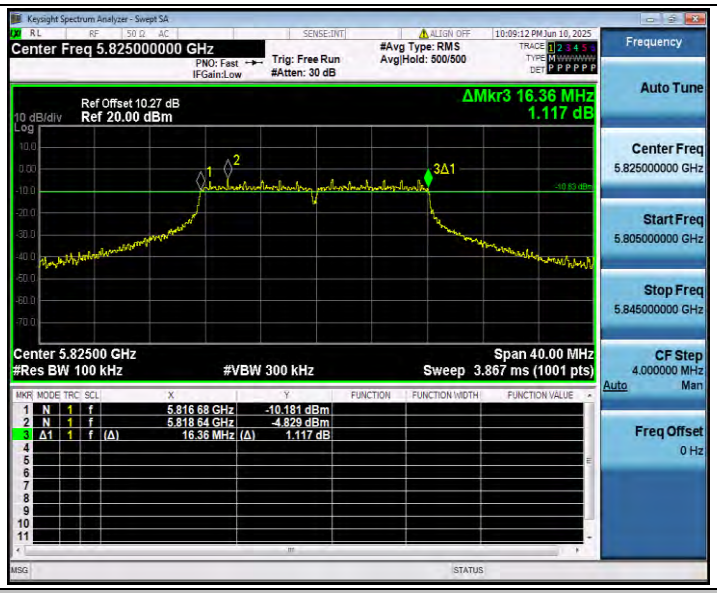
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.760	5753.120	0.5	PASS
		5785	16.400	5776.720	5793.120	0.5	PASS
		5825	16.360	5816.680	5833.040	0.5	PASS
11N20SISO	Ant1	5745	17.640	5736.040	5753.680	0.5	PASS
		5785	17.600	5776.080	5793.680	0.5	PASS
		5825	17.600	5816.080	5833.680	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.680	5773.000	0.5	PASS
		5795	36.320	5776.760	5813.080	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.120	5753.720	0.5	PASS
		5785	17.600	5776.080	5793.680	0.5	PASS
		5825	17.640	5816.040	5833.680	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.680	5773.000	0.5	PASS
		5795	36.240	5776.760	5813.000	0.5	PASS
11AX20SISO	Ant1	5745	19.000	5735.440	5754.440	0.5	PASS
		5785	19.000	5775.440	5794.440	0.5	PASS
		5825	18.960	5815.440	5834.400	0.5	PASS
11AX40SISO	Ant1	5755	38.000	5735.800	5773.800	0.5	PASS
		5795	38.080	5775.800	5813.880	0.5	PASS

Test Graphs B4

11A_Ant1_5745


11A_Ant1_5785


11A_Ant1_5825

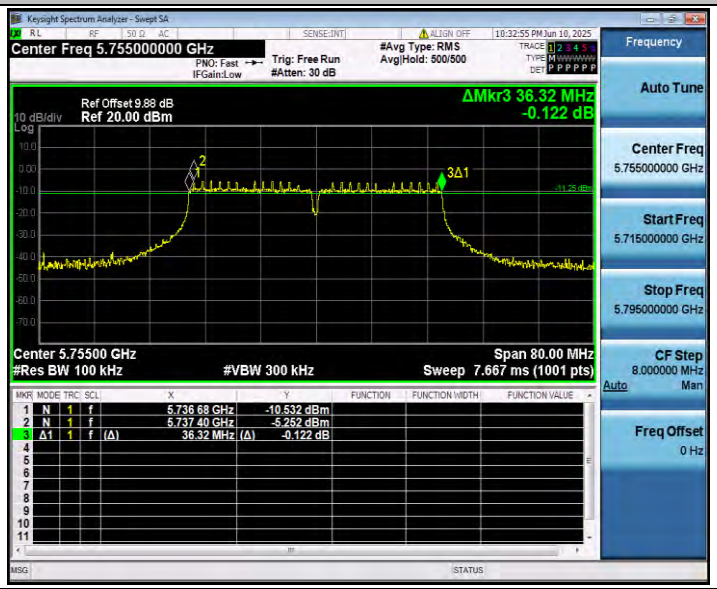


11N20SISO_Ant1_5745

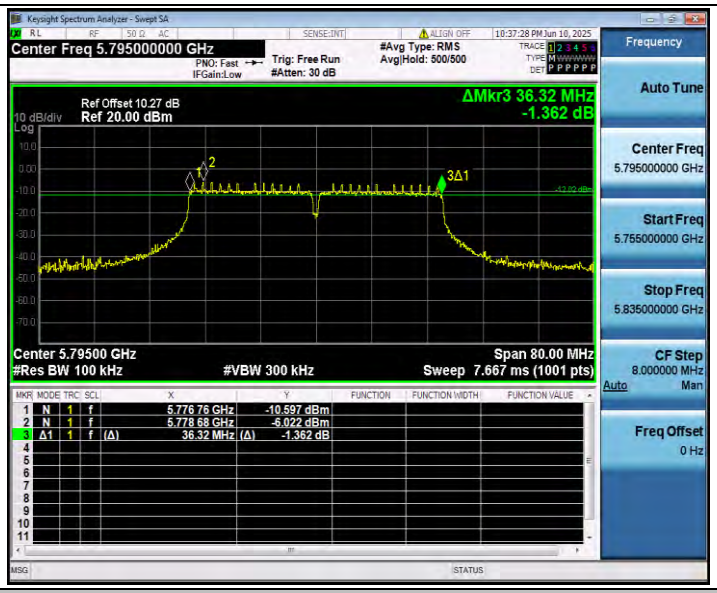
11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

11N40SISO_Ant1_5755

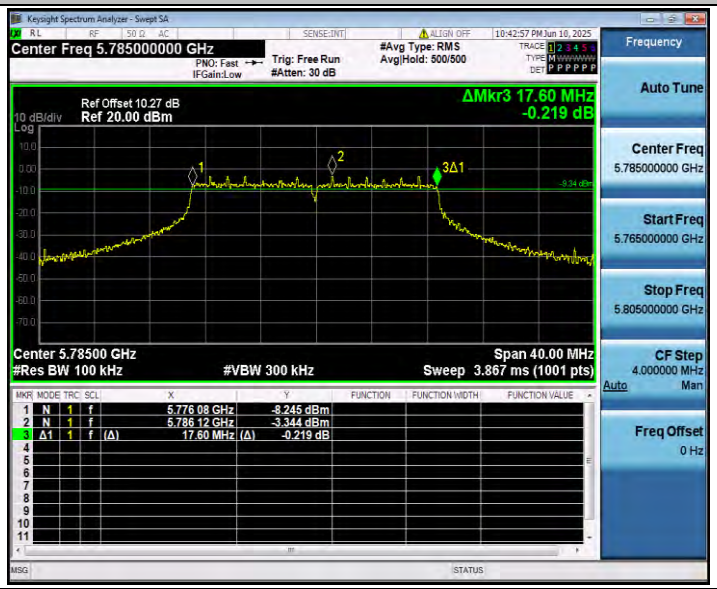


11N40SISO_Ant1_5795

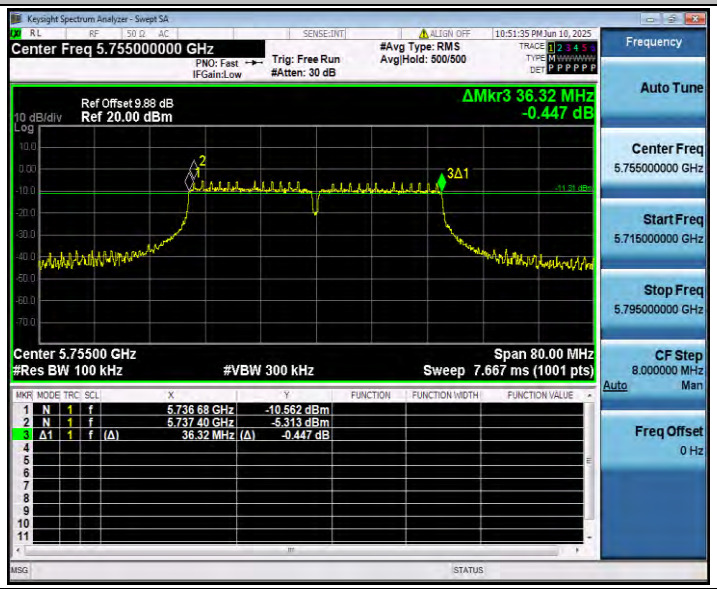


11AC20SISO_Ant1_5745

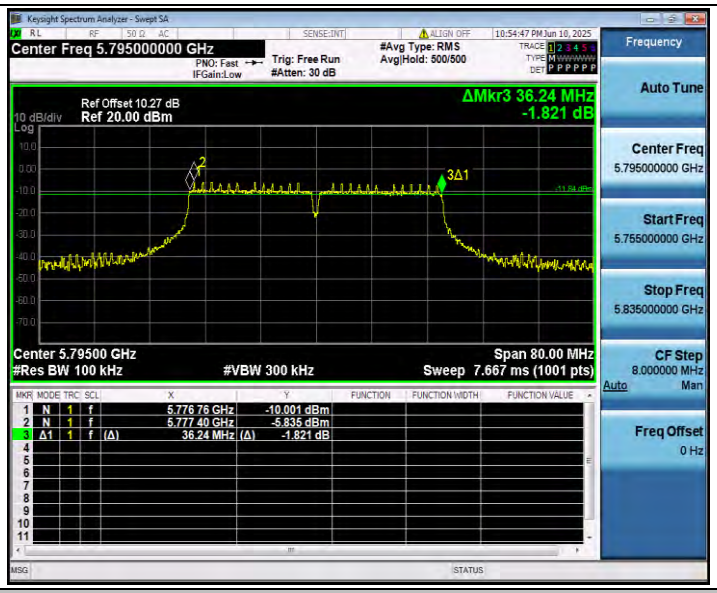
11AC20SISO_Ant1_5785



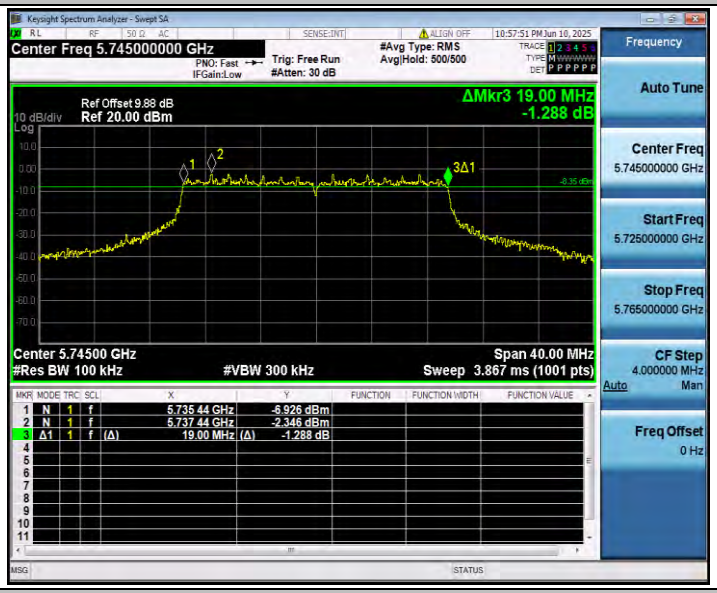
11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5755


11AC40SISO_Ant1_5795



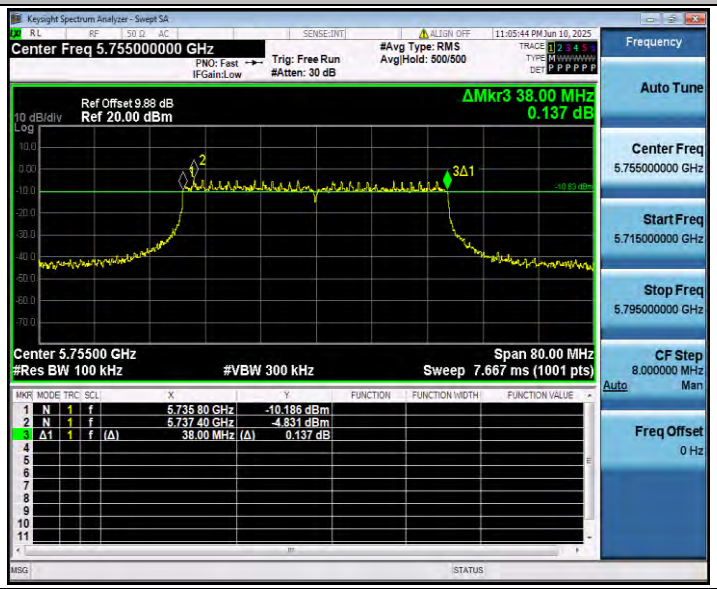
11AX20SISO_Ant1_5745



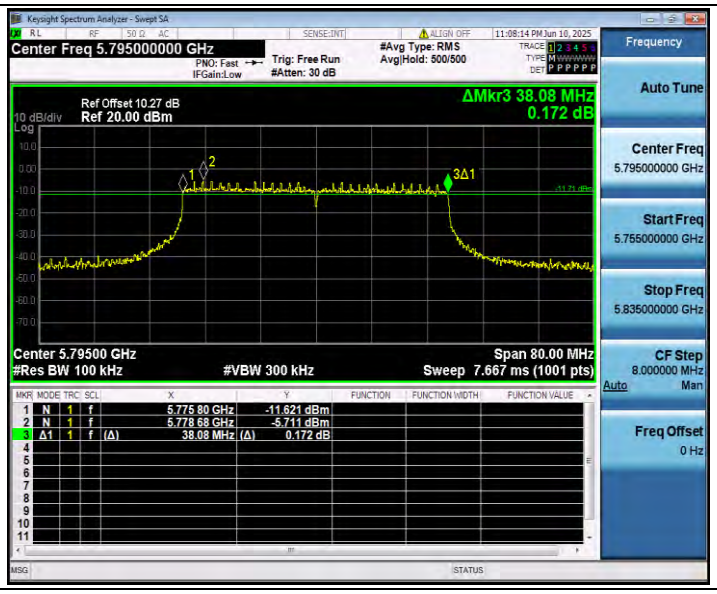
11AX20SISO_Ant1_5785

11AX20SISO_Ant1_5825

11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 500/500
11:08:14 PM Jun 10, 2025
Ref Offset 10.27 dB
10 dB/div
Ref 20.00 dBm
ΔMkr3 38.08 MHz
0.172 dB
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80.00 MHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.775 80 GHz -11.621 dBm
2 N 1 f 5.778 68 GHz -5.711 dBm
3 Δ1 1 f (Δ) 38.08 MHz (Δ) 0.172 dB
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

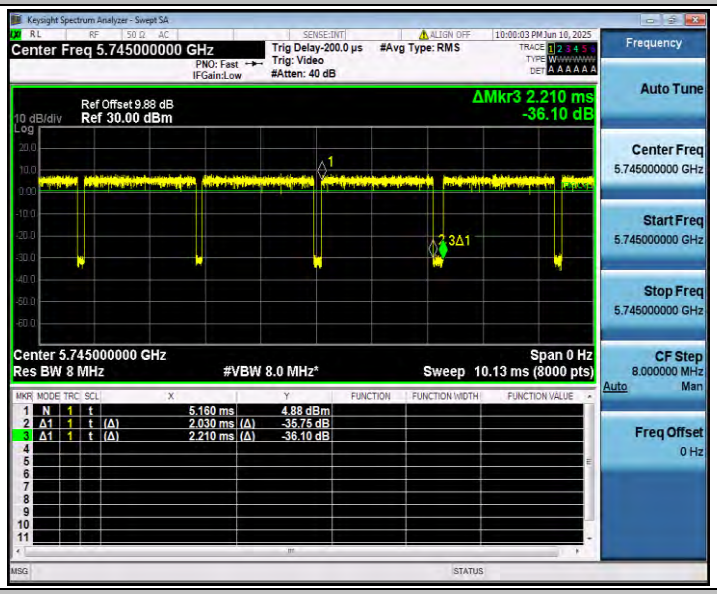
Appendix E.3: Duty Cycle

Test Result

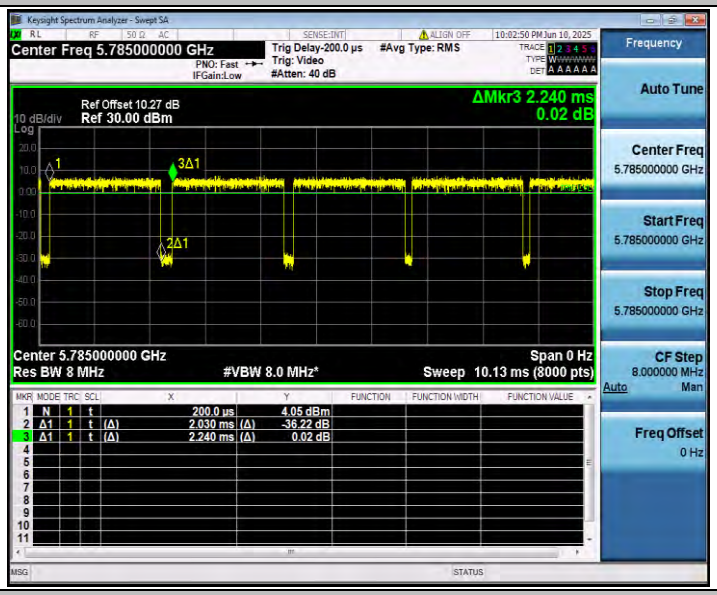
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.03	2.21	91.86	0.37	0.49
		5785	2.03	2.24	90.63	0.43	0.49
		5825	2.03	2.19	92.69	0.33	0.49
11N20SISO	Ant1	5745	1.89	2.10	90.00	0.46	0.53
		5785	1.89	2.08	90.87	0.42	0.53
		5825	1.90	2.11	90.05	0.46	0.53
11N40SISO	Ant1	5755	0.93	1.10	84.55	0.73	1.08
		5795	0.93	1.41	65.96	1.81	1.08
11AC20SISO	Ant1	5745	1.90	2.12	89.62	0.48	0.53
		5785	1.90	2.10	90.48	0.43	0.53
		5825	1.90	2.07	91.79	0.37	0.53
11AC40SISO	Ant1	5755	0.94	1.30	72.31	1.41	1.06
		5795	0.94	1.15	81.74	0.88	1.06
11AX20SISO	Ant1	5745	1.46	1.67	87.43	0.58	0.68
		5785	1.46	1.69	86.39	0.64	0.68
		5825	1.46	1.64	89.02	0.51	0.68
11AX40SISO	Ant1	5755	0.76	1.21	62.81	2.02	1.32
		5795	0.76	0.94	80.85	0.92	1.32

Test Graphs

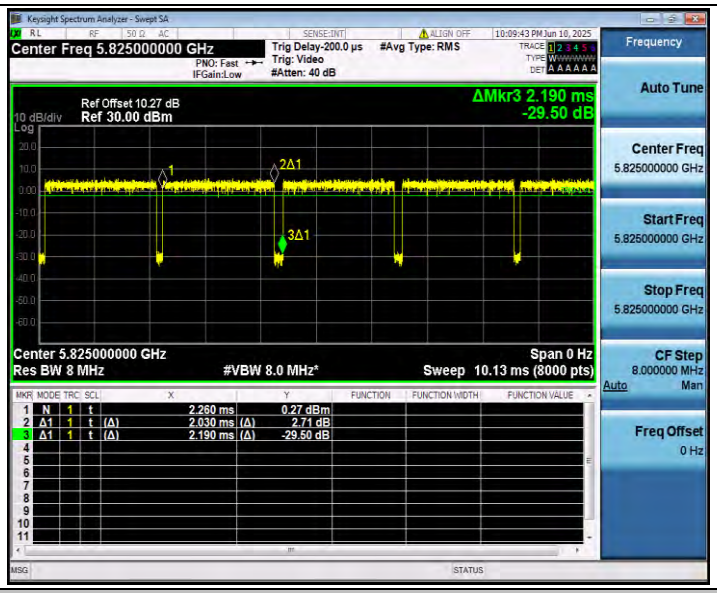
11A_Ant1_5745



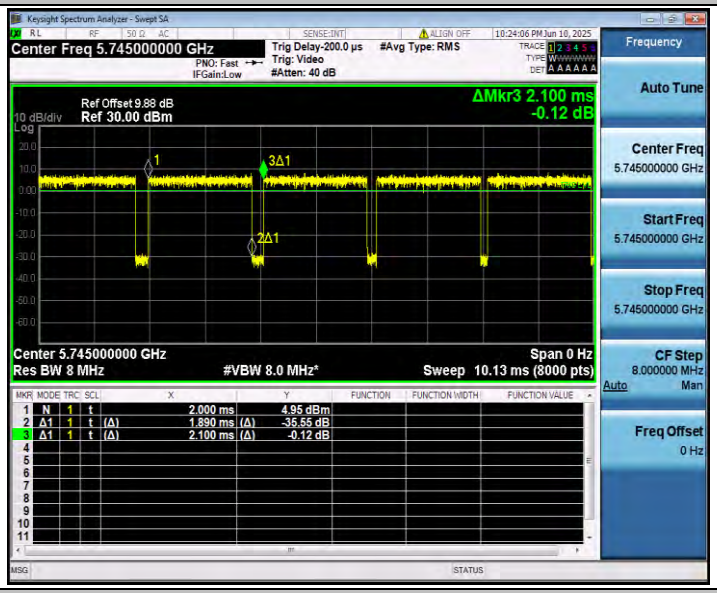
11A_Ant1_5785



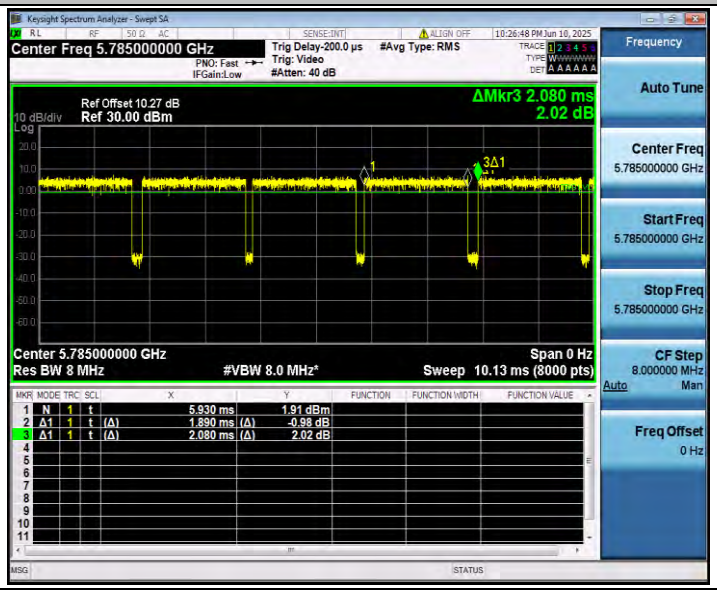
11A_Ant1_5825



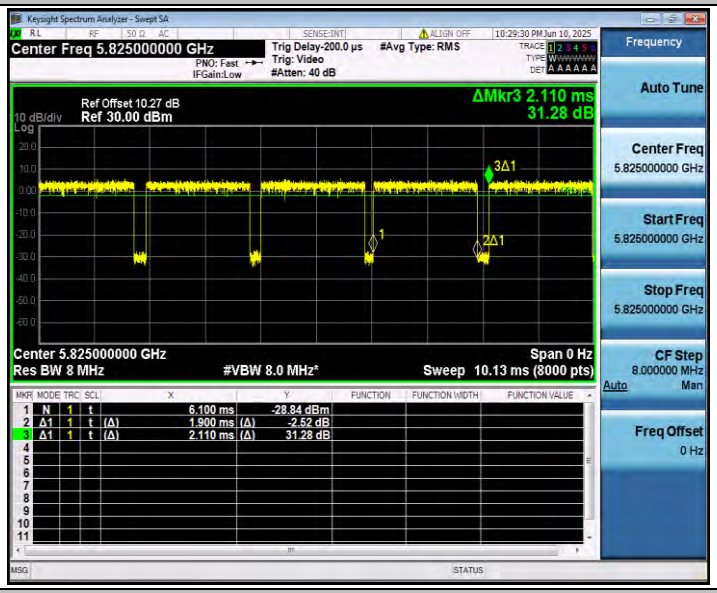
11N20SISO_Ant1_5745



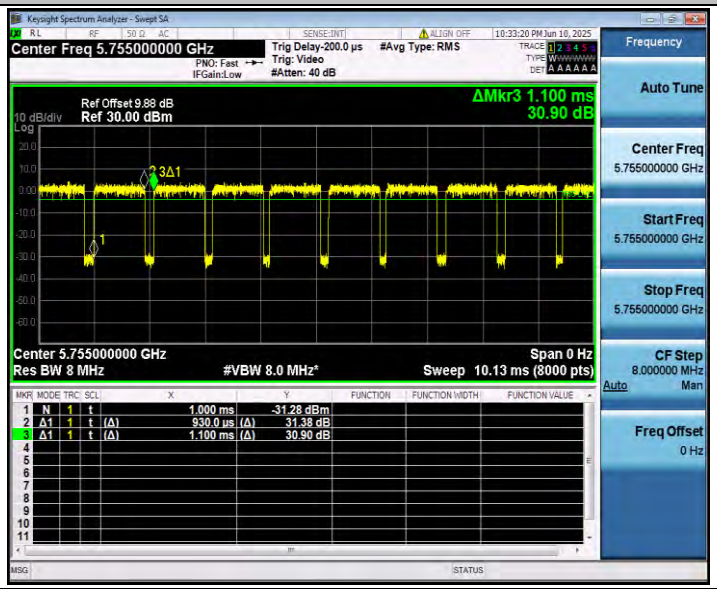
11N20SISO_Ant1_5785



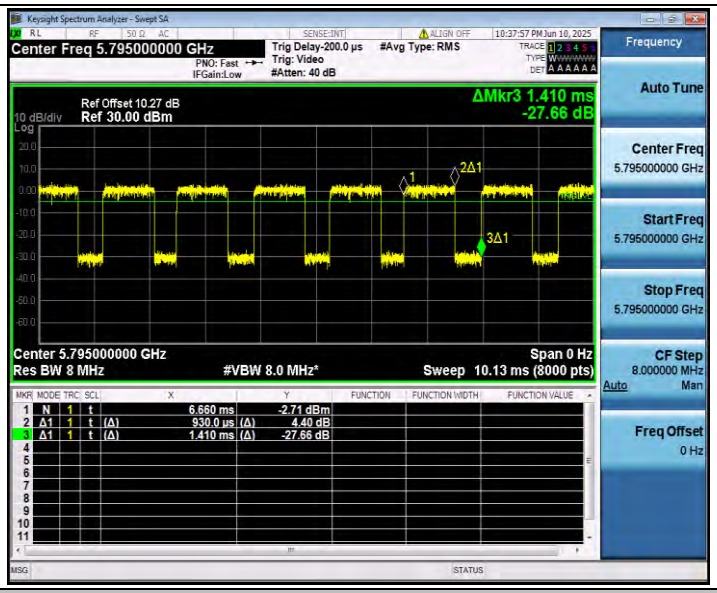
11N20SISO_Ant1_5825



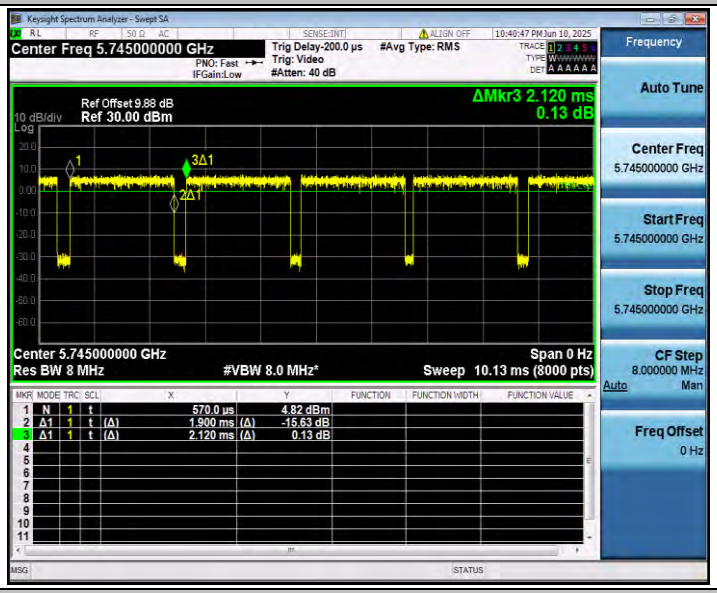
11N40SISO_Ant1_5755



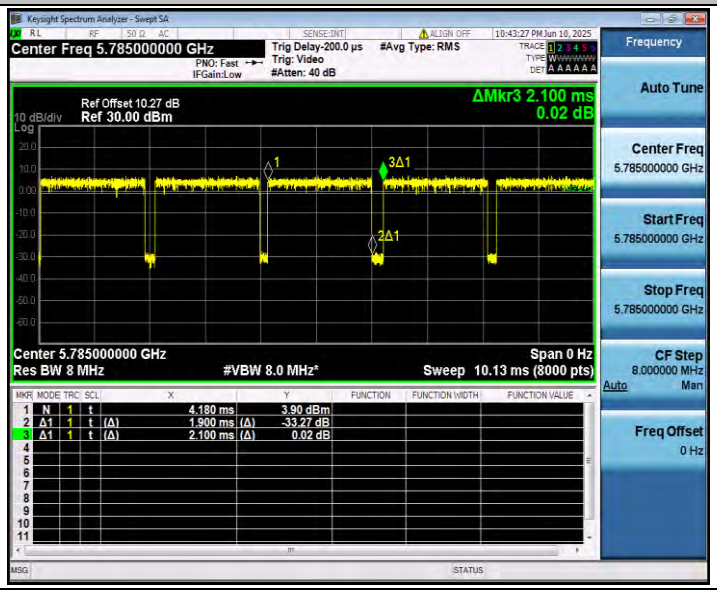
11N40SISO_Ant1_5795



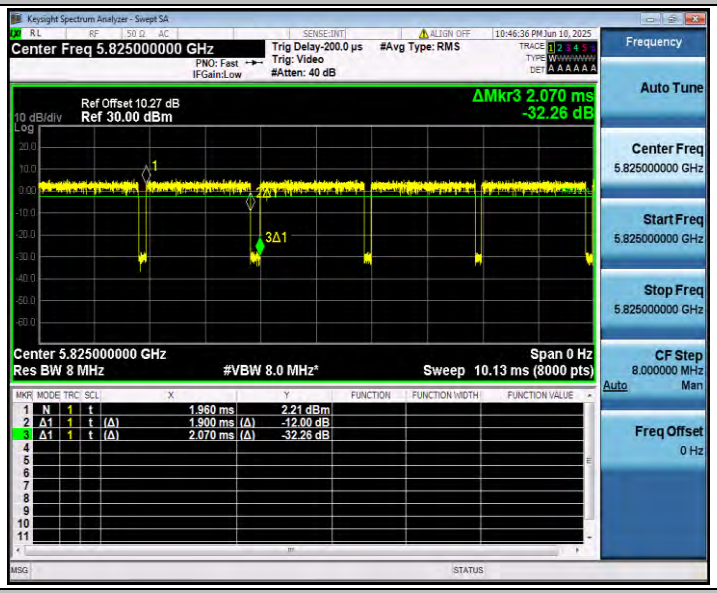
11AC20SISO_Ant1_5745



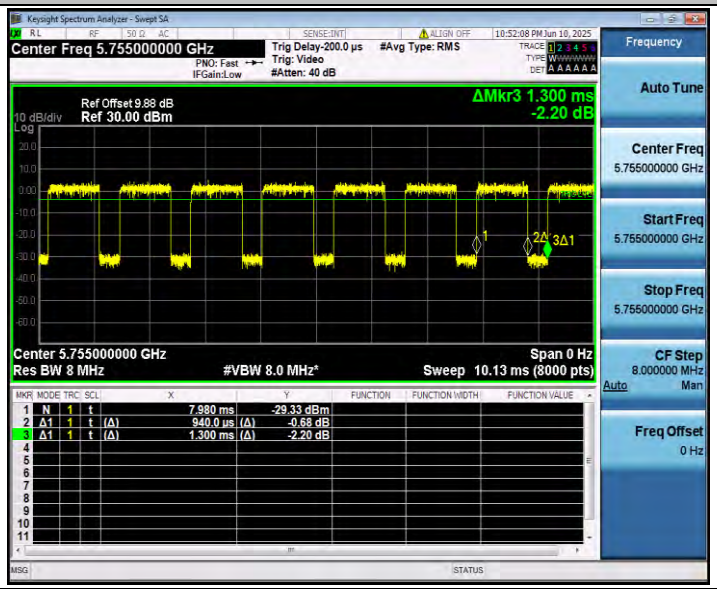
11AC20SISO_Ant1_5785



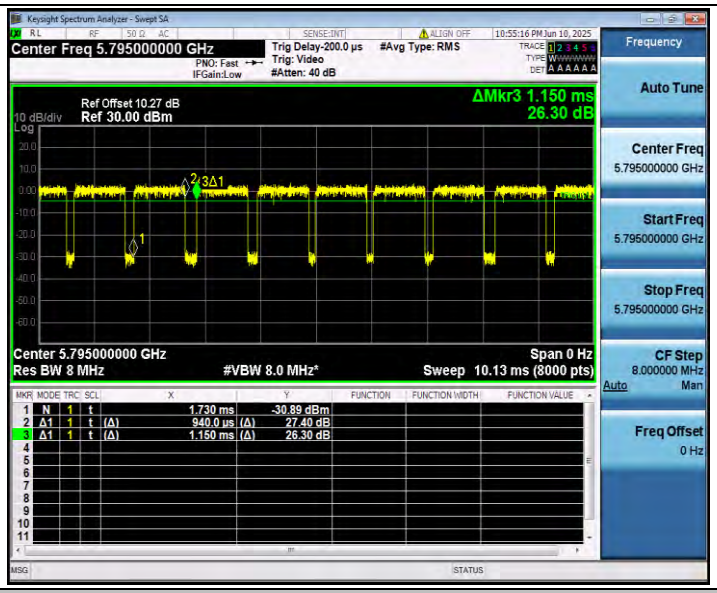
11AC20SISO_Ant1_5825



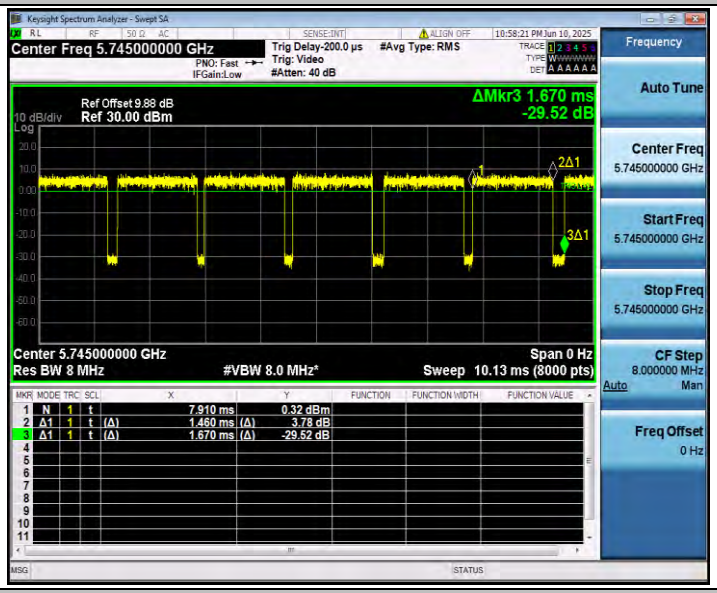
11AC40SISO_Ant1_5755



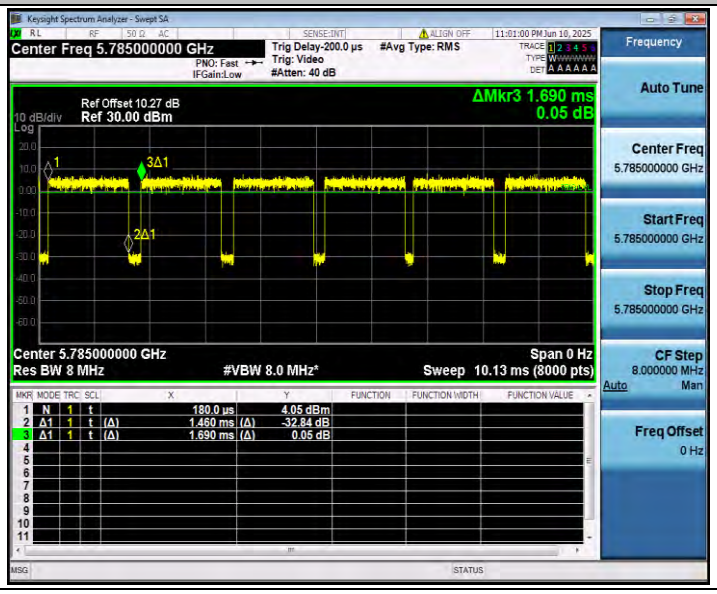
11AC40SISO_Ant1_5795



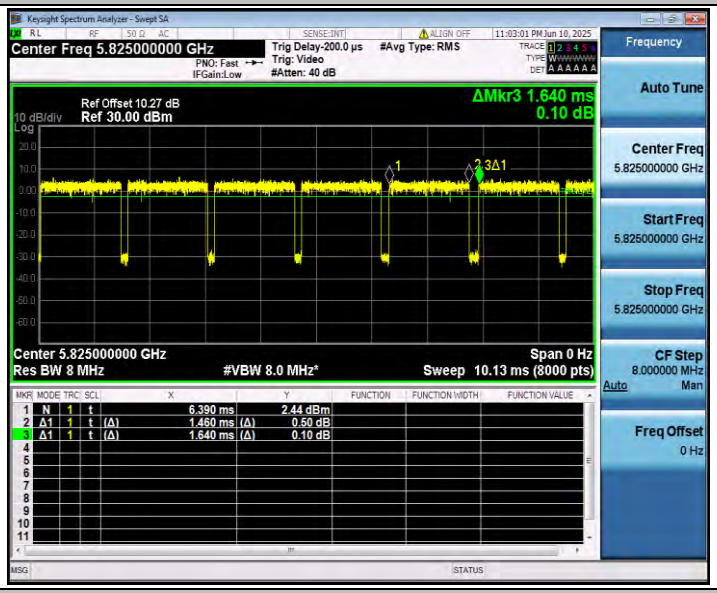
11AX20SISO_Ant1_5745



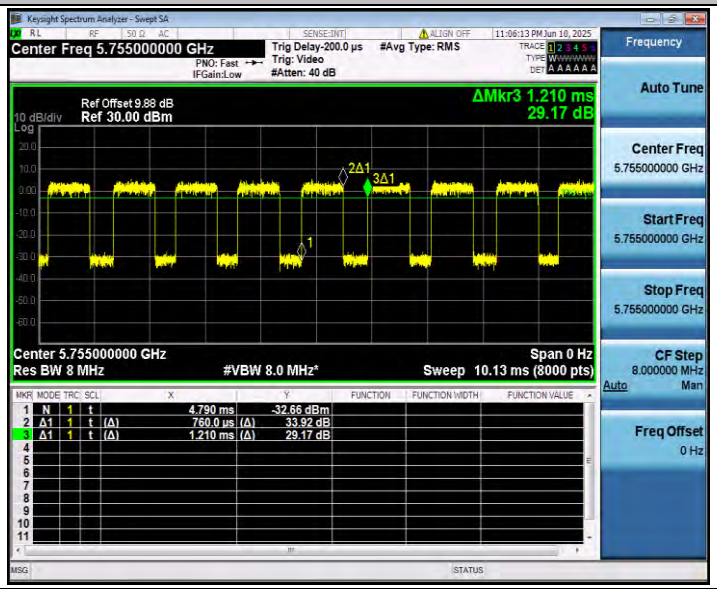
11AX20SISO_Ant1_5785



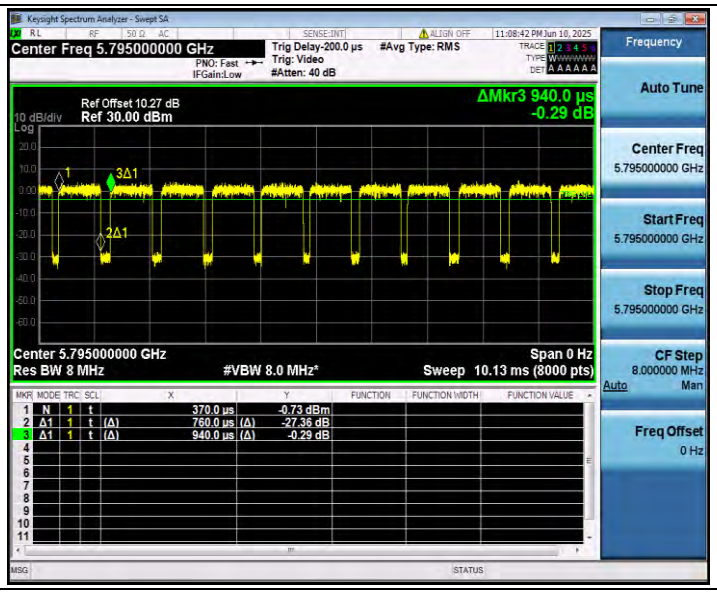
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
Trig Delay-200.0 µs
#Avg Type: RMS
Trig: Video
#Atten: 40 dB
PNO: Fast
IFGain:Low
11:08:42 PM Jun 10, 2025
Ref Offset 10.27 dB
10 dB/div
Ref 30.00 dBm
Log
ΔMkr3 940.0 µs
-0.29 dB
3Δ1
2Δ1
Center 5.795000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz*
Span 0 Hz
Sweep 10.13 ms (8000 pts)
1 N 1 t 370.0 µs -0.73 dBm
2 Δ1 1 t (Δ) 760.0 µs (Δ) -27.36 dB
3 Δ1 1 t (Δ) 940.0 µs (Δ) -0.29 dB
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.795000000 GHz
Stop Freq
5.795000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	8.62	91.86	0.37	8.99	≤30.00	PASS
		5785	7.81	90.63	0.43	8.24	≤30.00	PASS
		5825	6.27	92.69	0.33	6.60	≤30.00	PASS
11N20SISO	Ant1	5745	8.76	90.00	0.46	9.22	≤30.00	PASS
		5785	7.74	90.87	0.42	8.16	≤30.00	PASS
		5825	6.19	90.05	0.46	6.65	≤30.00	PASS
11N40SISO	Ant1	5755	7.75	84.55	0.73	8.48	≤30.00	PASS
		5795	6.77	65.96	1.81	8.58	≤30.00	PASS
11AC20SISO	Ant1	5745	8.48	89.62	0.48	8.96	≤30.00	PASS
		5785	7.69	90.48	0.43	8.12	≤30.00	PASS
		5825	6.09	91.79	0.37	6.46	≤30.00	PASS
11AC40SISO	Ant1	5755	7.55	72.31	1.41	8.96	≤30.00	PASS
		5795	6.44	81.74	0.88	7.32	≤30.00	PASS
11AX20SISO	Ant1	5745	8.37	87.43	0.58	8.95	≤30.00	PASS
		5785	7.69	86.39	0.64	8.33	≤30.00	PASS
		5825	6.23	89.02	0.51	6.74	≤30.00	PASS
11AX40SISO	Ant1	5755	7.78	62.81	2.02	9.80	≤30.00	PASS
		5795	6.96	80.85	0.92	7.88	≤30.00	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-5.34	≤30.00	PASS
		5785	-6.19	≤30.00	PASS
		5825	-7.79	≤30.00	PASS
11N20SISO	Ant1	5745	-5.58	≤30.00	PASS
		5785	-6.54	≤30.00	PASS
		5825	-8.07	≤30.00	PASS
11N40SISO	Ant1	5755	-8.59	≤30.00	PASS
		5795	-8.29	≤30.00	PASS
11AC20SISO	Ant1	5745	-5.81	≤30.00	PASS
		5785	-6.66	≤30.00	PASS
		5825	-8.31	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.16	≤30.00	PASS
		5795	-9.23	≤30.00	PASS
11AX20SISO	Ant1	5745	-6.06	≤30.00	PASS
		5785	-6.72	≤30.00	PASS
		5825	-8.39	≤30.00	PASS
11AX40SISO	Ant1	5755	-7.68	≤30.00	PASS
		5795	-9.62	≤30.00	PASS

Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

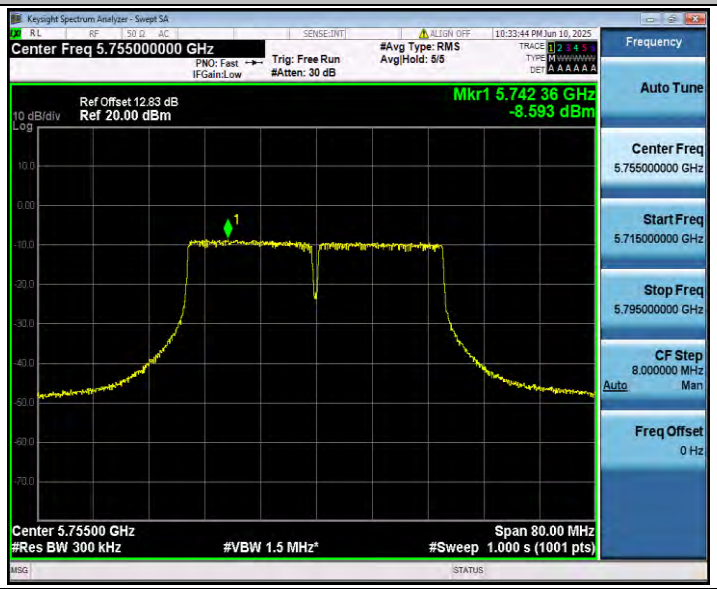
11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

11N20SISO_Ant1_5745

11N20SISO_Ant1_5785

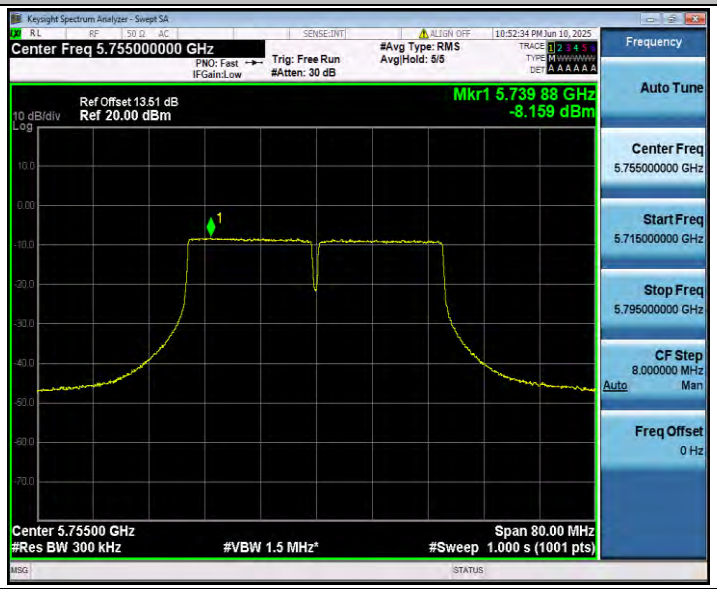
11N20SISO_Ant1_5825
11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

11AC20SISO_Ant1_5745

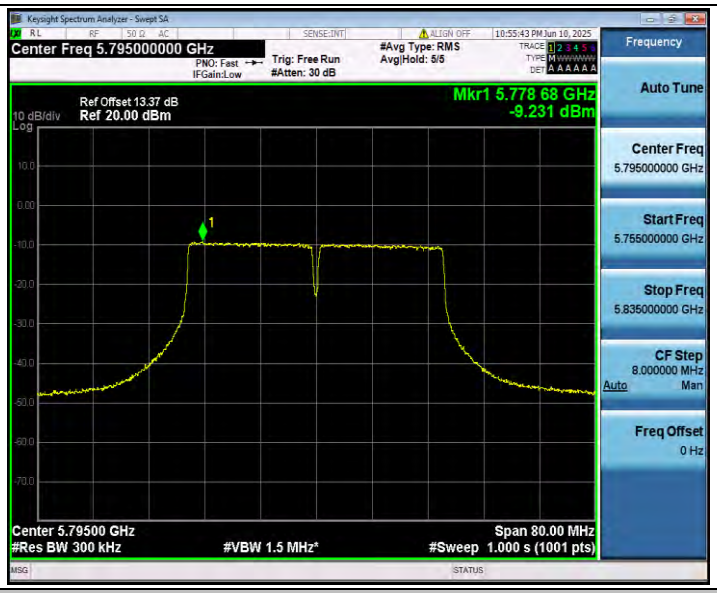
11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

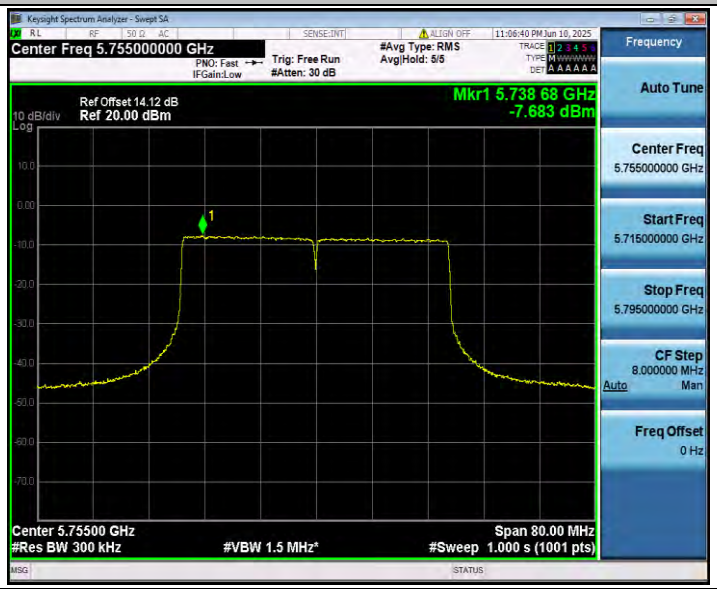


11AX20SISO_Ant1_5745

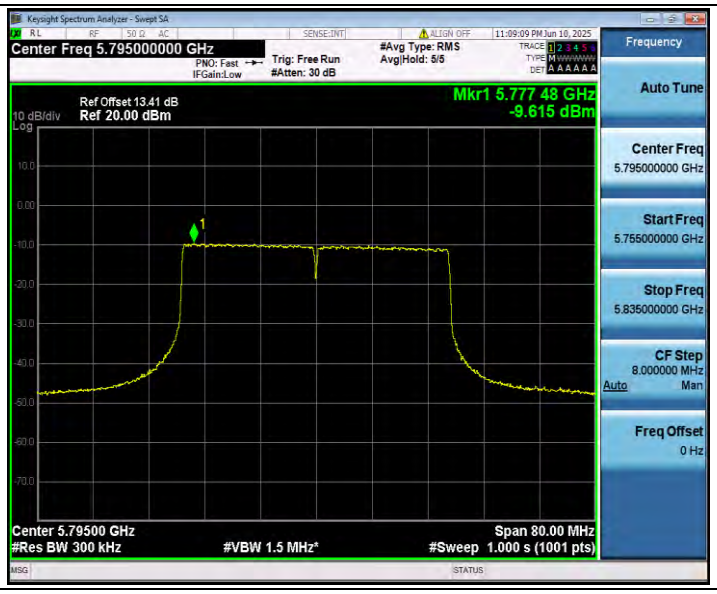
11AX20SISO_Ant1_5785

11AX20SISO_Ant1_5825

11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 5/5
11:09:09 PM Jun 10, 2025
Frequency
Auto Tune
Ref Offset 13.41 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.777 48 GHz
-9.615 dBm
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
Center 5.79500 GHz
#Res BW 300 kHz
#VBW 1.5 MHz*
Span 80.00 MHz
#Sweep 1.000 s (1001 pts)