Case No. : GTS20250530022-5-04	
Ambient Condition: 22 ℃, 52 %RH	
According Standard: ■Part15E	
Test Date: 2025.6.18	**Test Engineer:** Evan ouyang

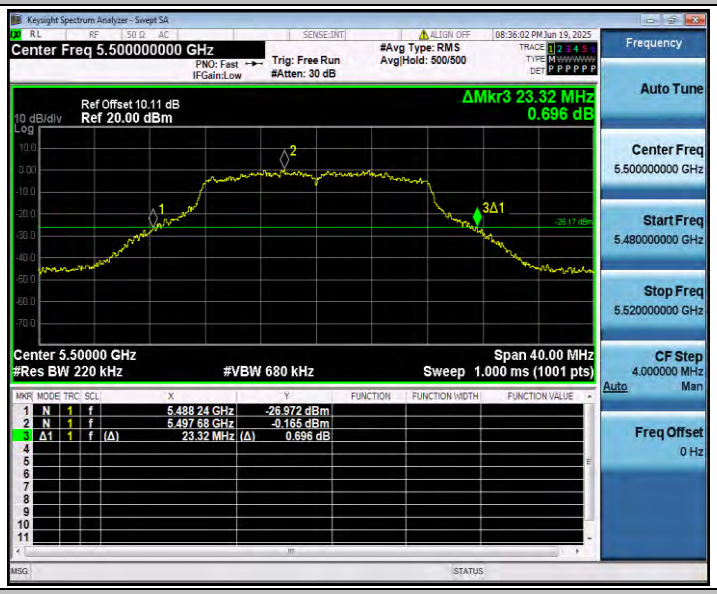
Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5500	23.320	5488.240	5511.560	---	---
		5580	22.560	5568.520	5591.080	---	---
		5700	22.680	5688.520	5711.200	---	---
11N20SISO	Ant2	5500	22.880	5488.200	5511.080	---	---
		5580	22.720	5568.560	5591.280	---	---
		5700	23.320	5688.480	5711.800	---	---
11N40SISO	Ant2	5510	42.960	5488.560	5531.520	---	---
		5590	43.200	5568.320	5611.520	---	---
		5670	42.320	5648.800	5691.120	---	---
11AC20SISO	Ant2	5500	23.160	5488.160	5511.320	---	---
		5580	23.360	5568.280	5591.640	---	---
		5700	22.680	5688.280	5710.960	---	---
11AC40SISO	Ant2	5510	42.800	5488.720	5531.520	---	---
		5590	42.960	5568.560	5611.520	---	---
		5670	42.080	5648.960	5691.040	---	---
11AX20SISO	Ant2	5500	23.000	5488.240	5511.240	---	---
		5580	22.680	5568.960	5591.640	---	---
		5700	22.560	5688.600	5711.160	---	---
11AX40SISO	Ant2	5510	43.200	5488.080	5531.280	---	---
		5590	41.840	5569.200	5611.040	---	---
		5670	42.240	5648.880	5691.120	---	---

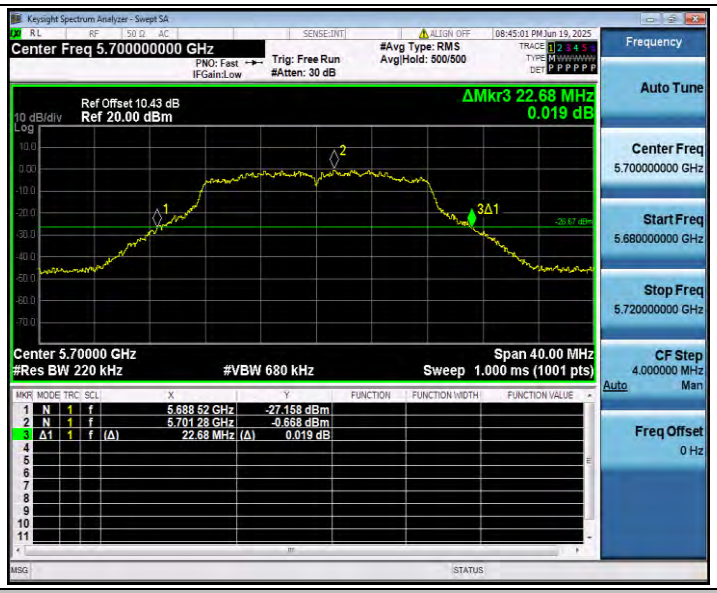
Test Graphs

11A_Ant2_5500



11A_Ant2_5580

11A_Ant2_5700



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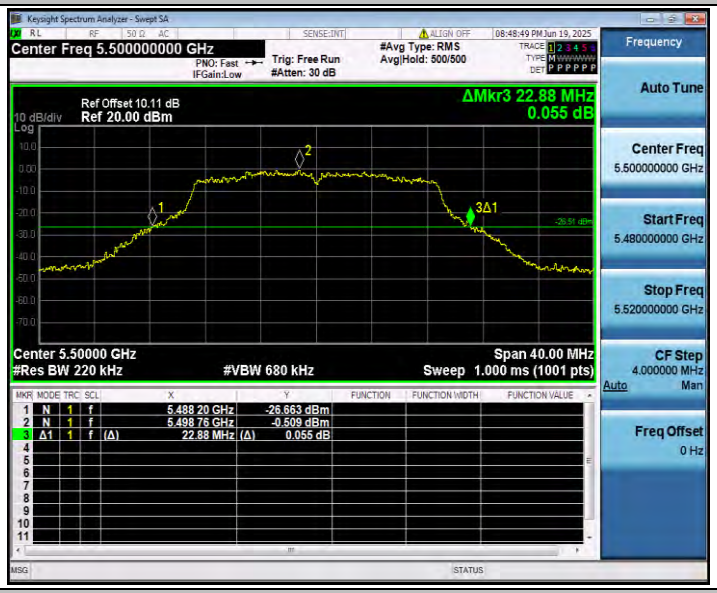

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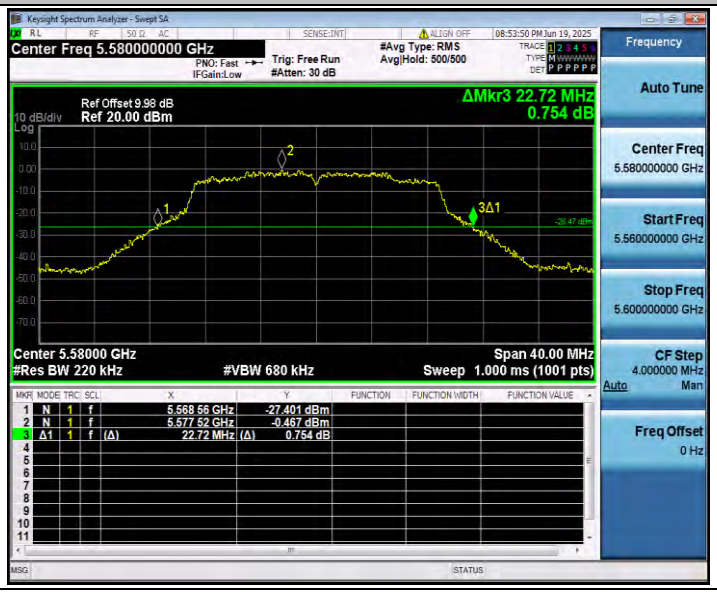

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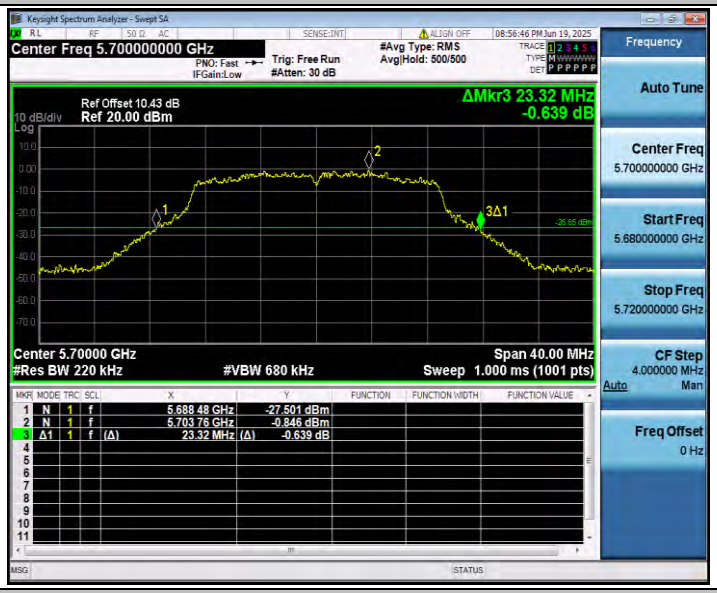

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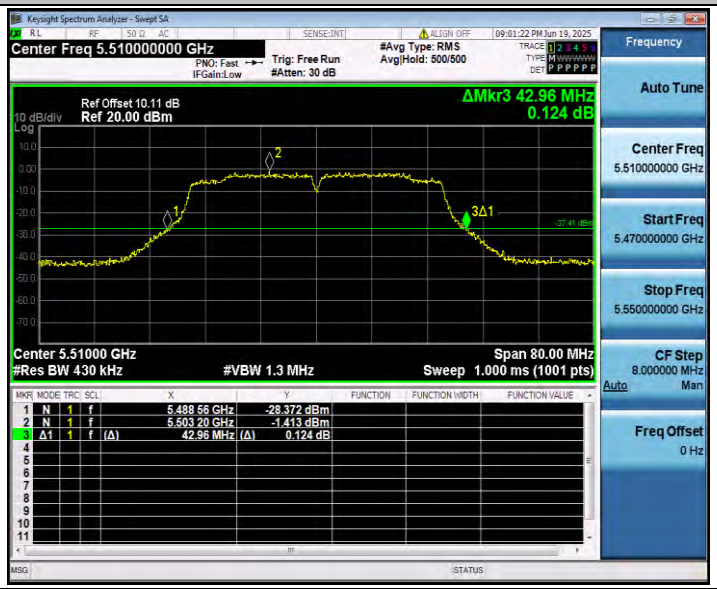

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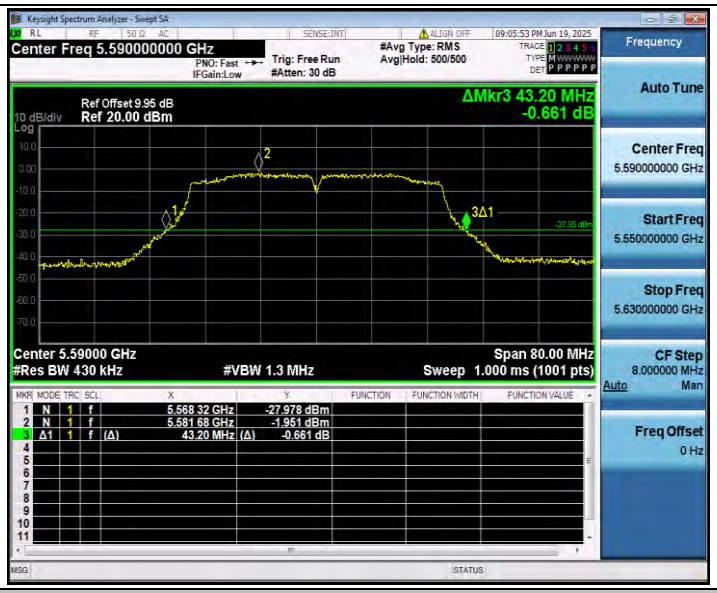

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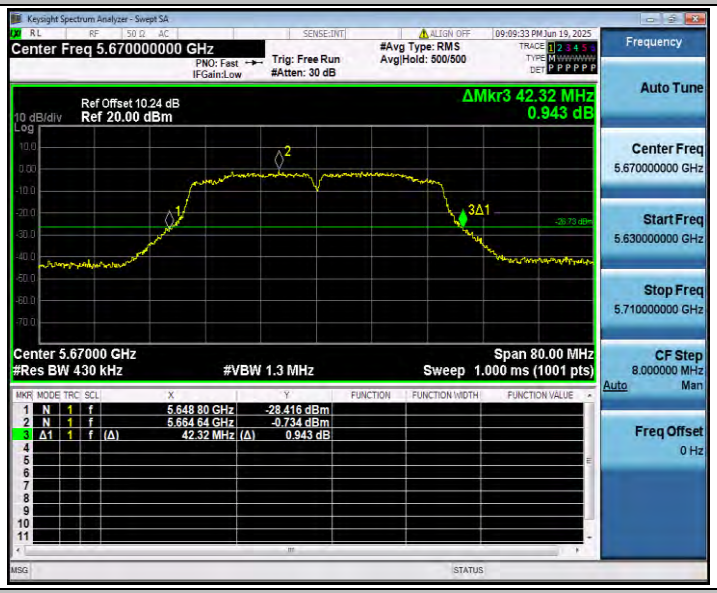

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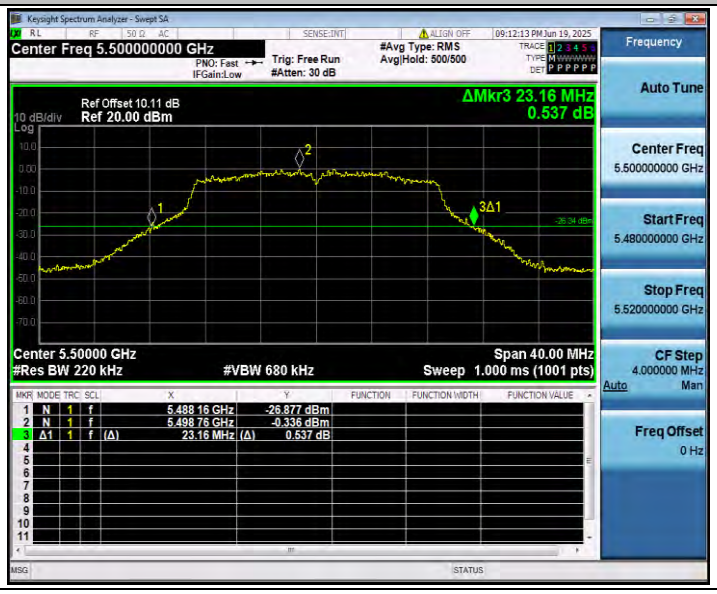

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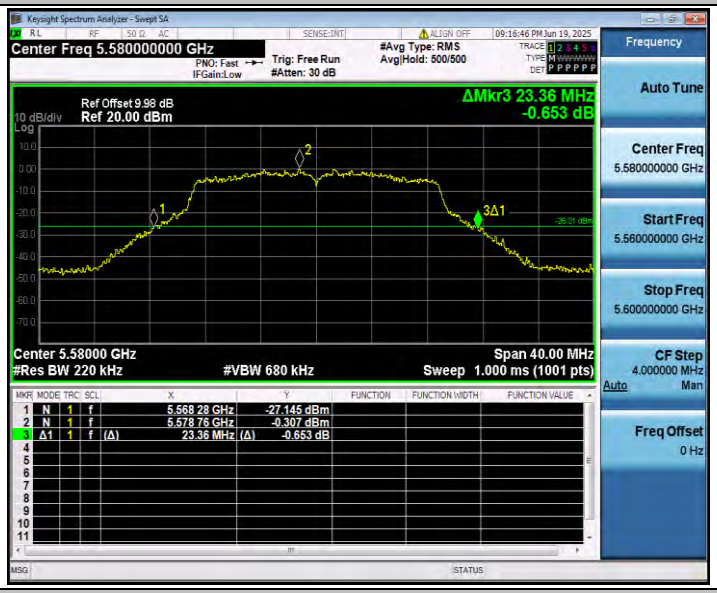

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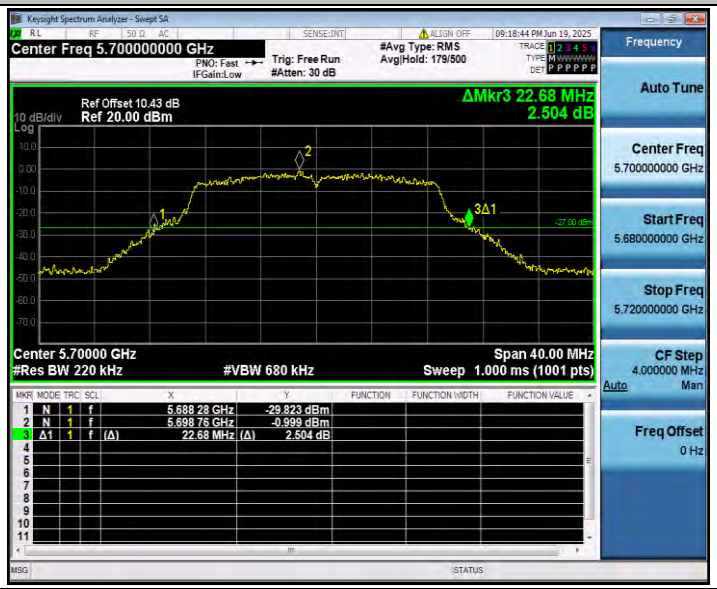

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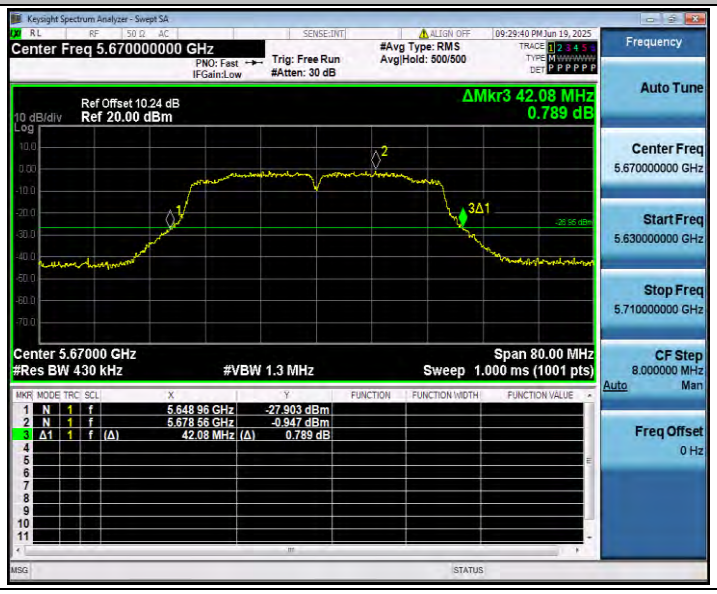
11AC40SISO_Ant2_5590

11AC40SISO_Ant2_5670



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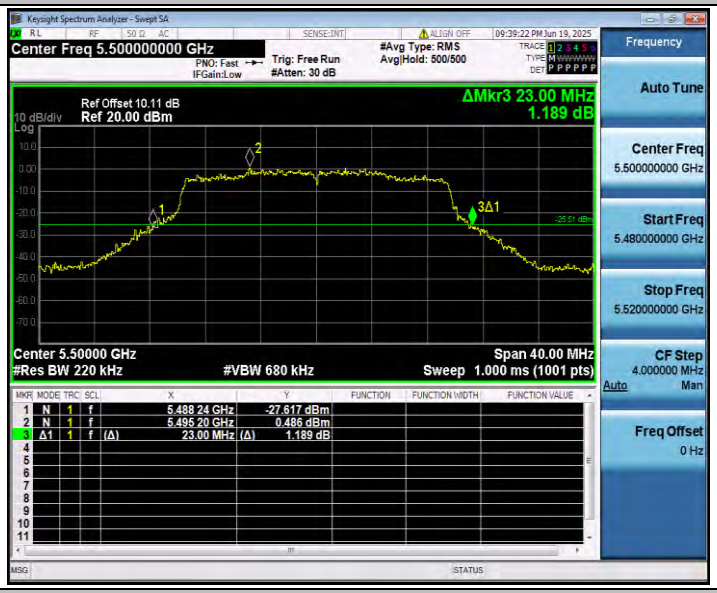

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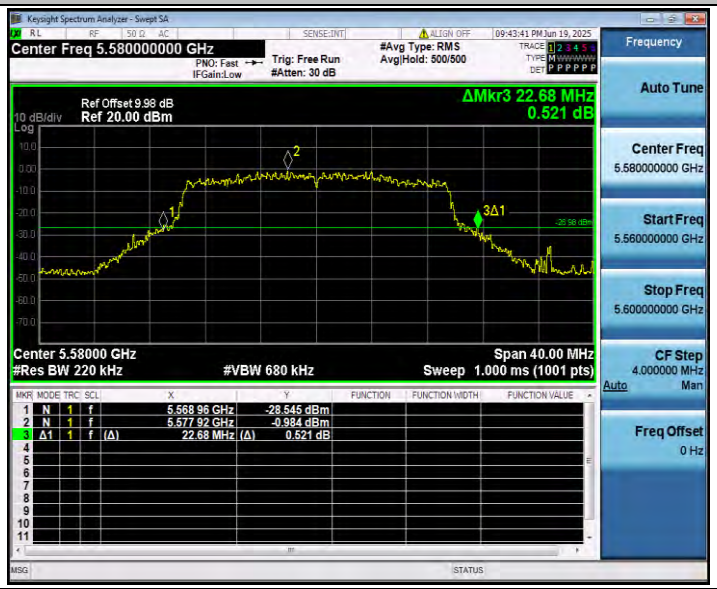
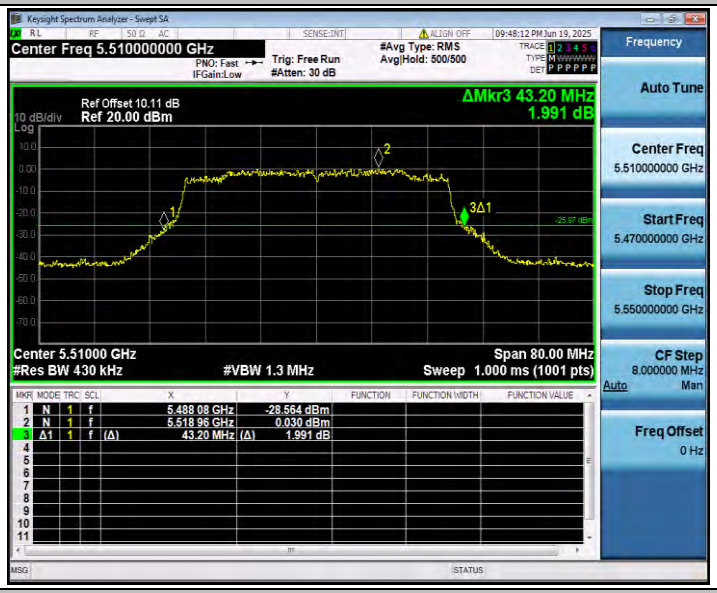


11AX20SISO_Ant2_5700

11AX40SISO_Ant2_5510



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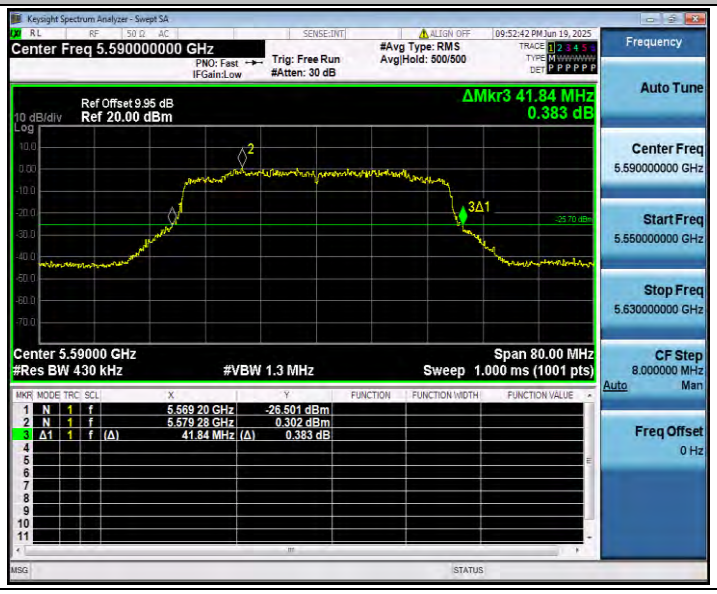

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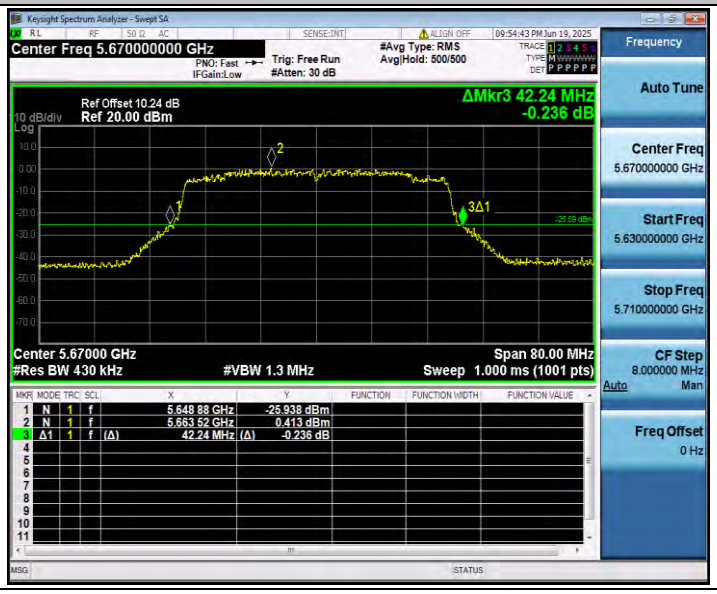


Appendix F.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5500	17.014	5491.4727	5508.4867	---	---
		5580	17.023	5571.4530	5588.4760	---	---
		5700	16.995	5691.5184	5708.5134	---	---
11N20SISO	Ant2	5500	18.030	5490.9720	5509.0020	---	---
		5580	18.022	5570.9950	5589.0170	---	---
		5700	18.079	5690.9641	5709.0431	---	---
11N40SISO	Ant2	5510	36.313	5491.8989	5528.2119	---	---
		5590	36.250	5571.8676	5608.1176	---	---
		5670	36.125	5651.9752	5688.1002	---	---
11AC20SISO	Ant2	5500	18.066	5490.9467	5509.0127	---	---
		5580	17.968	5571.0217	5588.9897	---	---
		5700	17.994	5690.9971	5708.9911	---	---
11AC40SISO	Ant2	5510	36.270	5491.9276	5528.1976	---	---
		5590	36.240	5571.8758	5608.1158	---	---
		5670	36.087	5651.9994	5688.0864	---	---
11AX20SISO	Ant2	5500	19.012	5490.4933	5509.5053	---	---
		5580	18.958	5570.5316	5589.4896	---	---
		5700	18.987	5690.5313	5709.5183	---	---
11AX40SISO	Ant2	5510	37.668	5491.1862	5528.8542	---	---
		5590	37.674	5571.1504	5608.8244	---	---
		5670	37.600	5651.2482	5688.8482	---	---

Test Graphs

11A_Ant2_5500

11A_Ant2_5580

11A_Ant2_5700

11N20SISO_Ant2_5500

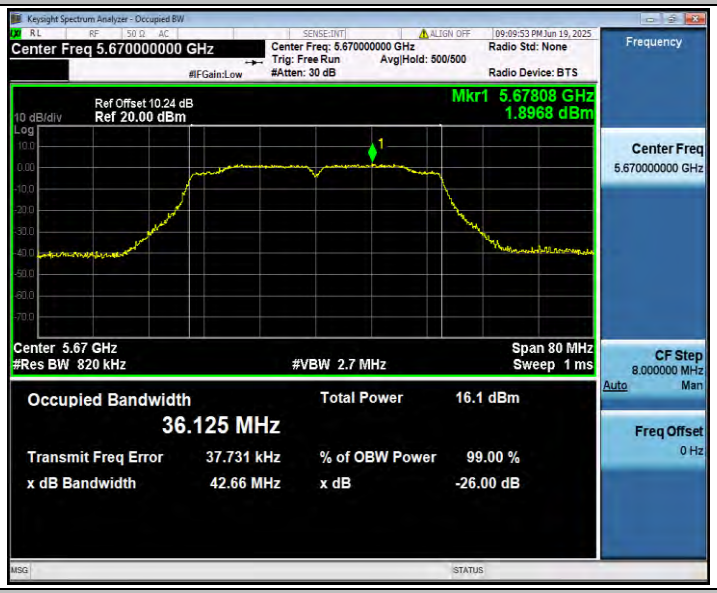
11N20SISO_Ant2_5580

11N20SISO_Ant2_5700

11N40SISO_Ant2_5510

11N40SISO_Ant2_5590

11N40SISO_Ant2_5670



11AC20SISO_Ant2_5500

11AC20SISO_Ant2_5580

11AC20SISO_Ant2_5700

11AC40SISO_Ant2_5510

11AC40SISO_Ant2_5590

11AC40SISO_Ant2_5670

11AX20SISO_Ant2_5500

11AX20SISO_Ant2_5580

11AX20SISO_Ant2_5700

11AX40SISO_Ant2_5510

11AX40SISO_Ant2_5590

11AX40SISO_Ant2_5670

Keysight Spectrum Analyzer - Occupied BW
Center Freq 5.670000000 GHz
Center Freq: 5.670000000 GHz
Trig: Free Run
Avg|Hold: 500/500
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 10.24 dB
10 dB/div
Ref 20.00 dBm
Mkr1 5.66048 GHz
4.2414 dBm
Center Freq
5.670000000 GHz
Center 5.67 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 80 MHz
Sweep 1 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.600 MHz
Total Power 17.0 dBm
Transmit Freq Error 48.185 kHz
% of OBW Power 99.00 %
x dB Bandwidth 42.28 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

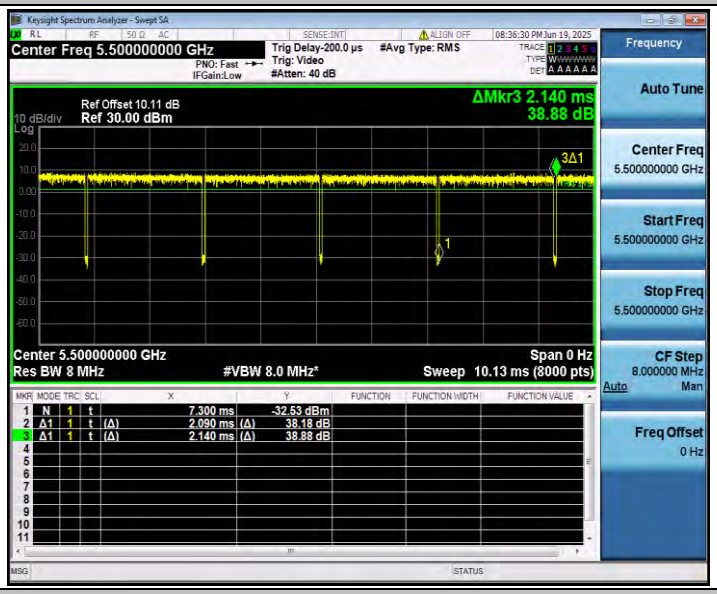
Appendix F.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5500	2.09	2.14	97.66	0.10	0.48
		5580	2.09	2.13	98.12	0.08	0.48
		5700	2.09	2.14	97.66	0.10	0.48
11N20SISO	Ant2	5500	3.98	4.03	98.76	0.05	0.25
		5580	3.98	4.03	98.76	0.05	0.25
		5700	3.98	4.02	99.00	0.04	0.25
11N40SISO	Ant2	5510	3.97	4.02	98.76	0.05	0.25
		5590	3.97	4.02	98.76	0.05	0.25
		5670	3.97	4.02	98.76	0.05	0.25
11AC20SISO	Ant2	5500	3.95	3.99	99.00	0.04	0.25
		5580	3.94	3.99	98.75	0.05	0.25
		5700	3.95	3.99	99.00	0.04	0.25
11AC40SISO	Ant2	5510	3.96	4.01	98.75	0.05	0.25
		5590	3.96	4.01	98.75	0.05	0.25
		5670	3.96	4.01	98.75	0.05	0.25
11AX20SISO	Ant2	5500	3.98	4.03	98.76	0.05	0.25
		5580	3.98	4.03	98.76	0.05	0.25
		5700	3.99	4.03	99.01	0.04	0.25
11AX40SISO	Ant2	5510	3.98	4.03	98.76	0.05	0.25
		5590	3.99	4.03	99.01	0.04	0.25
		5670	3.98	4.03	98.76	0.05	0.25

Test Graphs

11A_Ant2_5500



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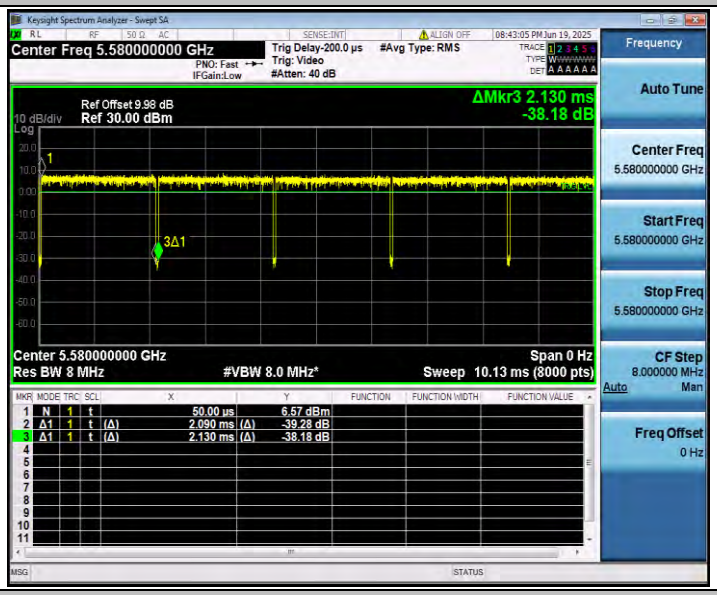

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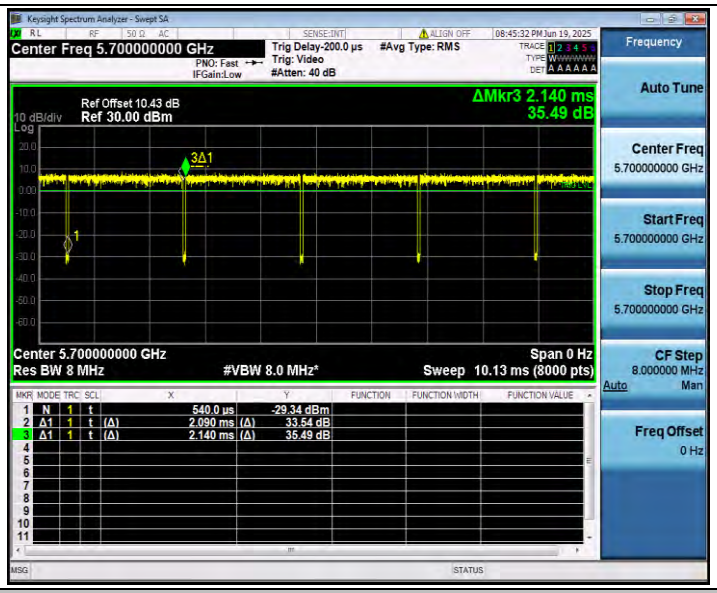

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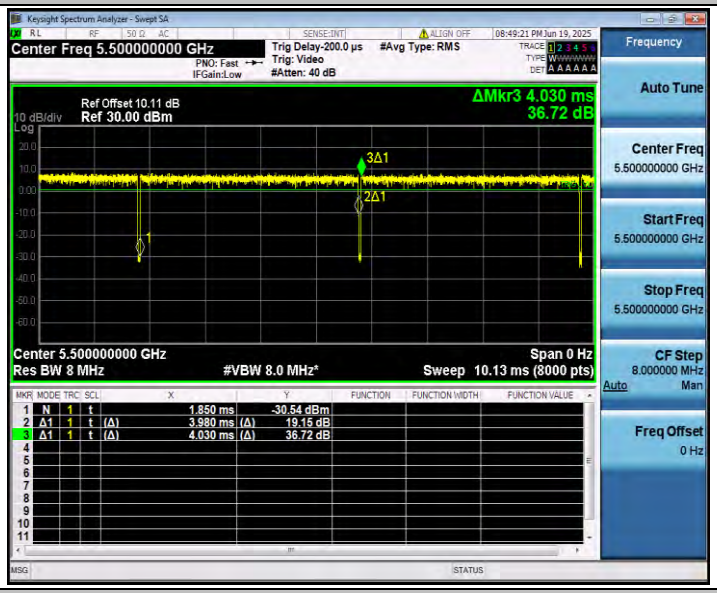

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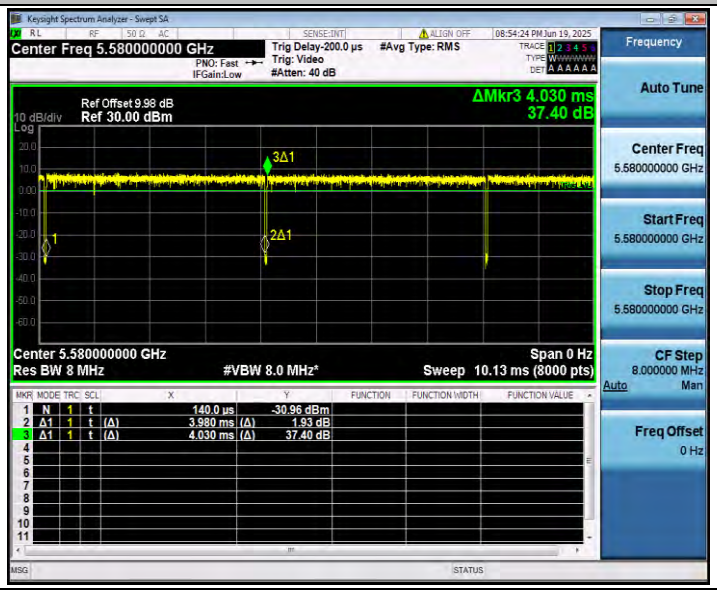
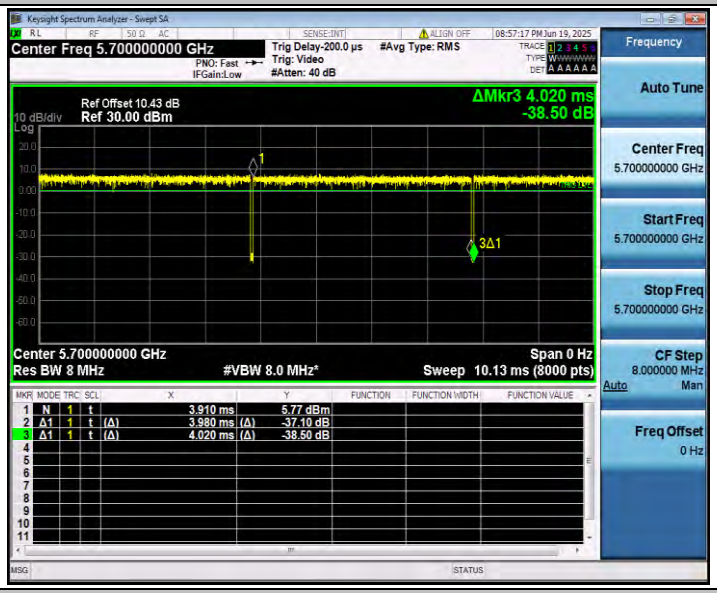


11N20SISO_Ant2_5700



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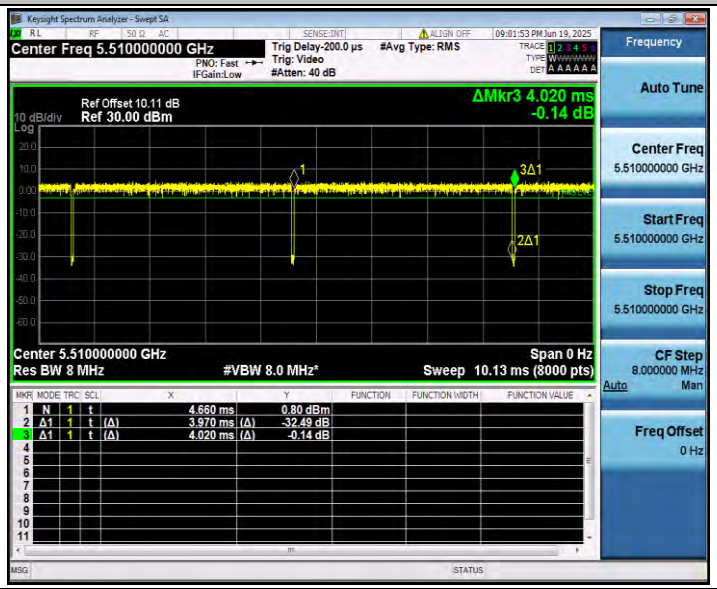

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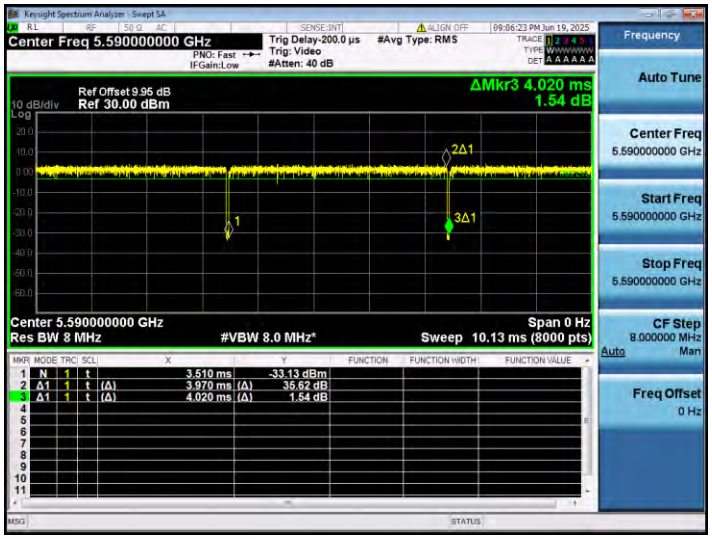

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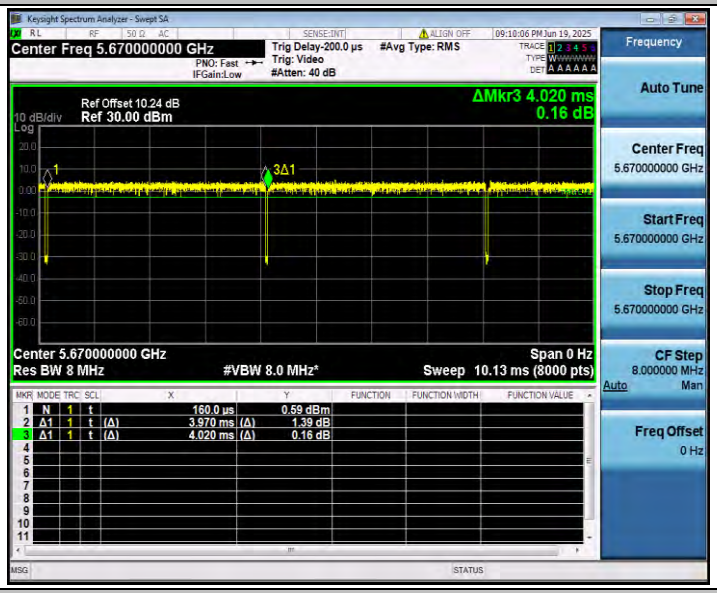

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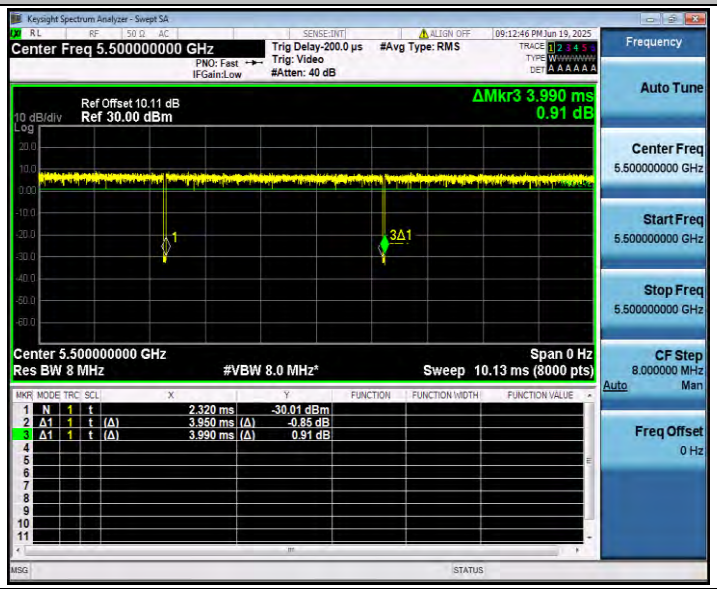

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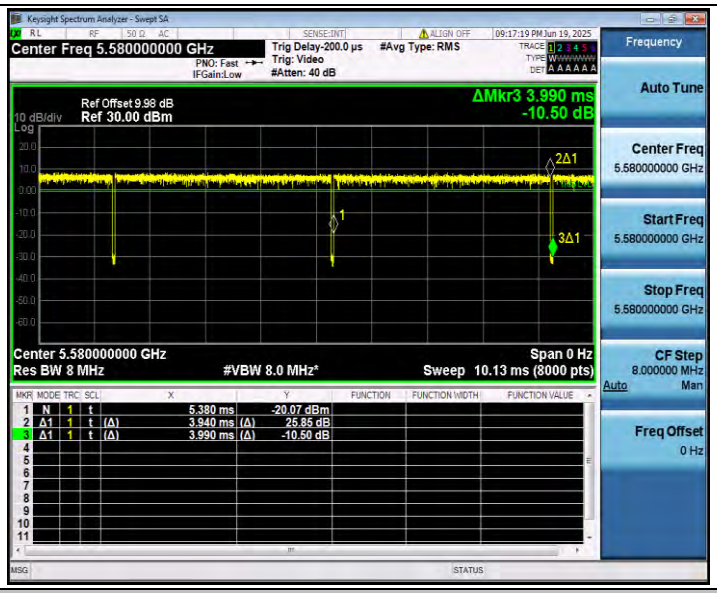

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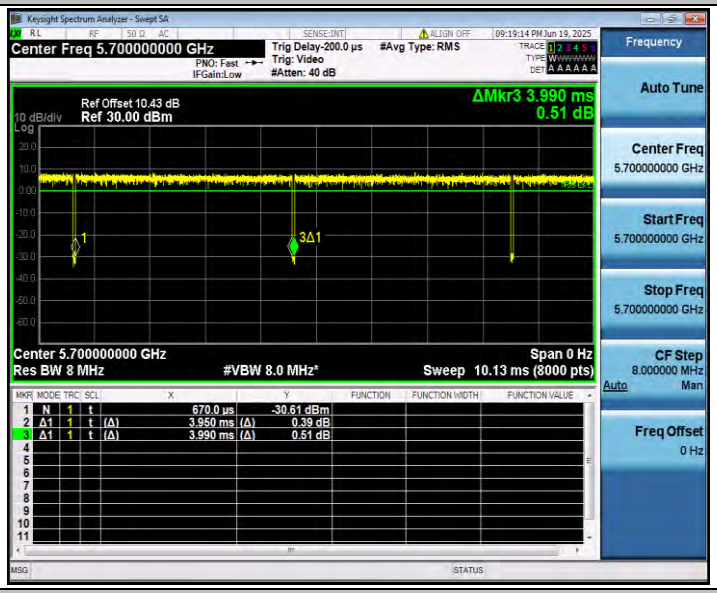

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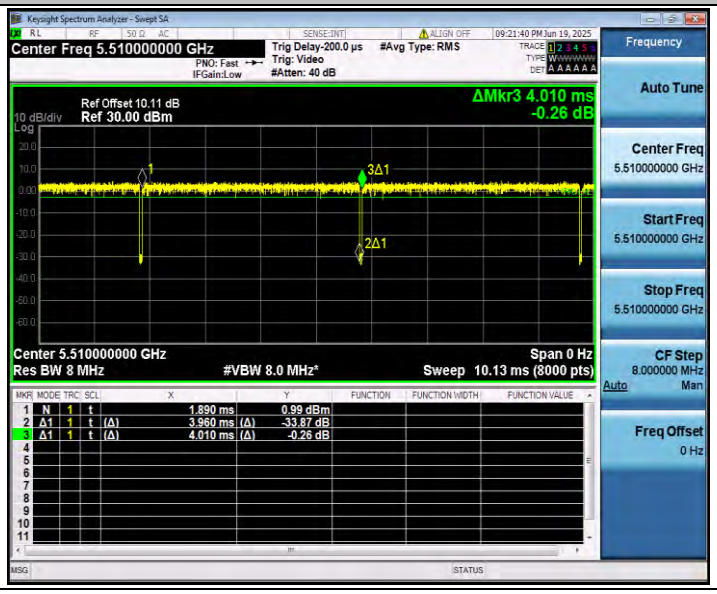

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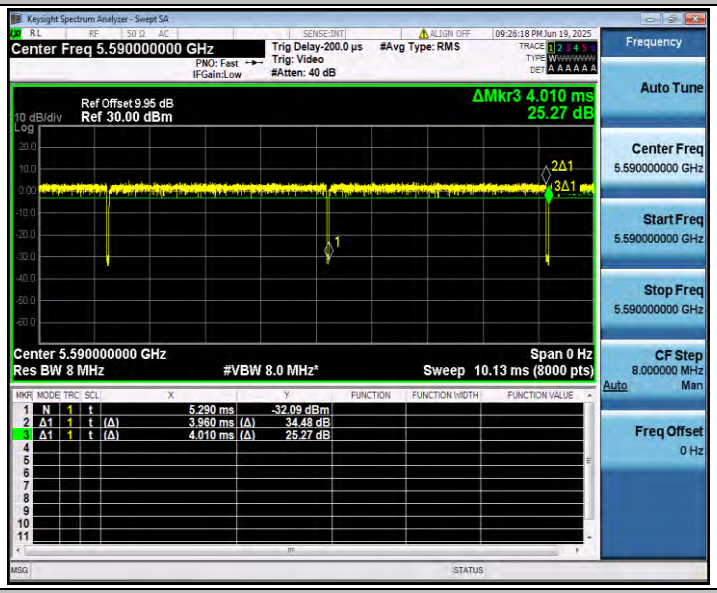

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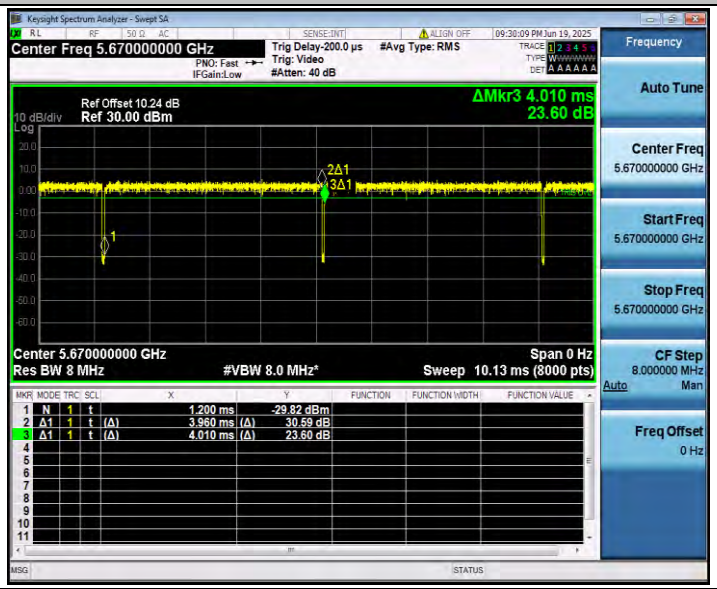

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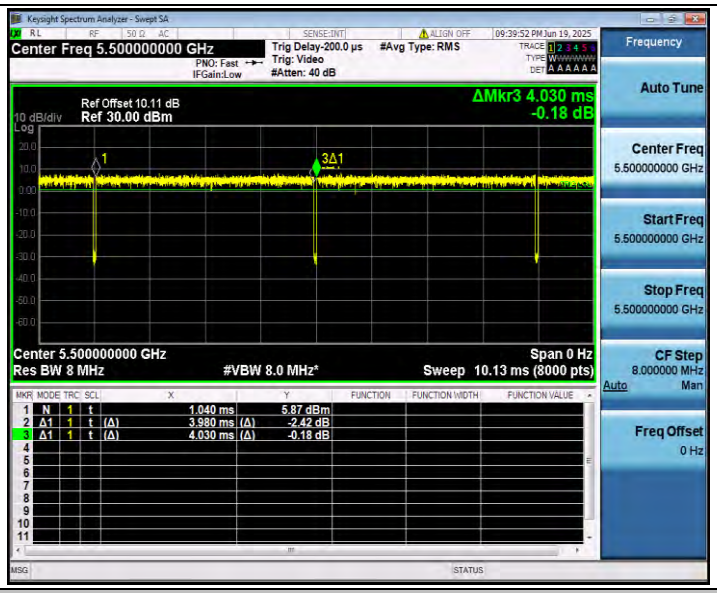

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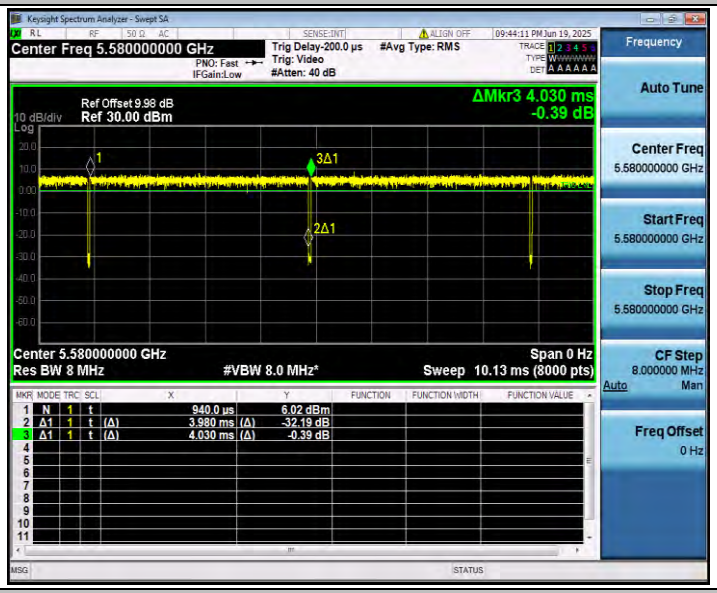

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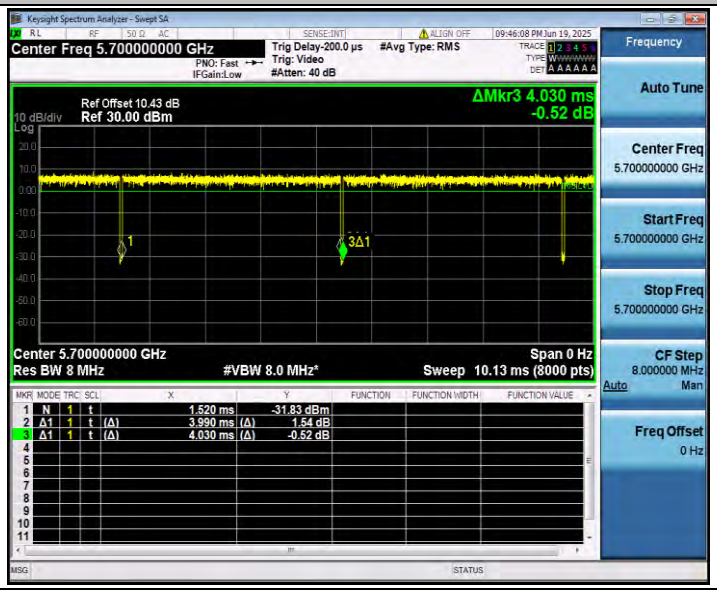
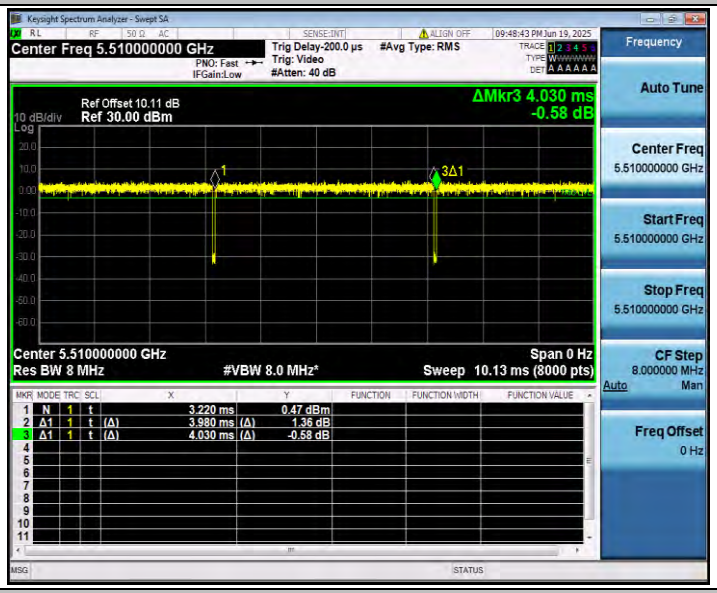
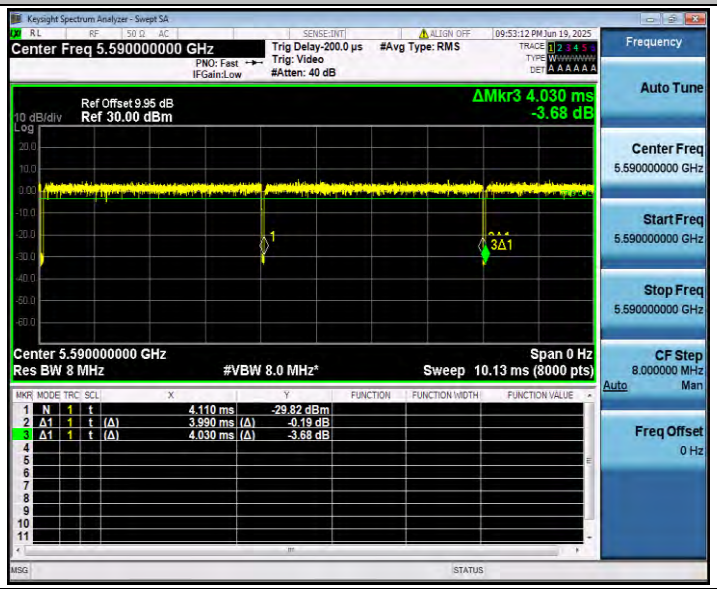


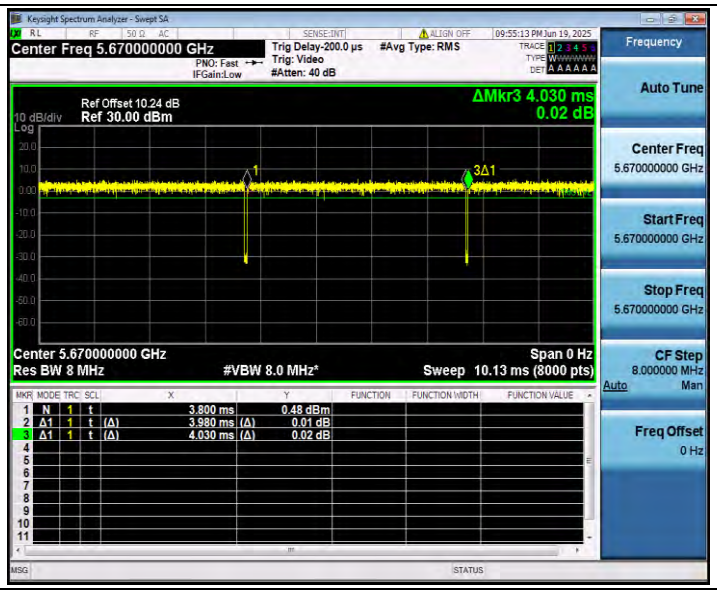
11AX40SISO_Ant2_5510



11AX40SISO_Ant2_5590



11AX40SISO_Ant2_5670


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.670000000 GHz
Trig Delay-200.0 µs
#Avg Type: RMS
Trig: Video
#Atten: 40 dB
Ref Offset 10.24 dB
10 dB/div
Ref 30.00 dBm
ΔMkr3 4.030 ms
0.02 dB
Center 5.670000000 GHz
Span 0 Hz
Res BW 8 MHz
#VBW 8.0 MHz*
Sweep 10.13 ms (8000 pts)
1 N 1 t 3.800 ms 0.48 dBm
2 Δ1 1 t (Δ) 3.980 ms (Δ) 0.01 dB
3 Δ1 1 t (Δ) 4.030 ms (Δ) 0.02 dB
Frequency
Auto Tune
Center Freq
5.670000000 GHz
Start Freq
5.670000000 GHz
Stop Freq
5.670000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz