11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230

11AC40SISO_Ant1_5270

11AC40SISO_Ant1_5310

11AC40SISO_Ant1_5510

11AC40SISO_Ant1_5550

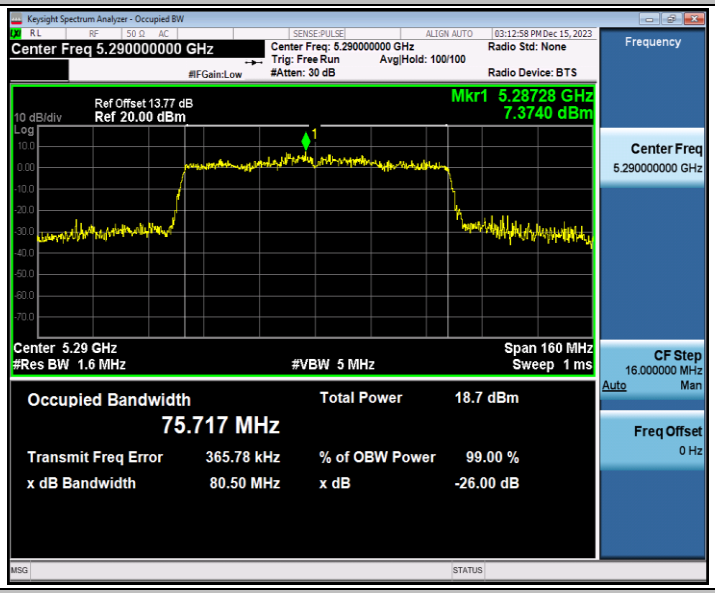
11AC40SISO_Ant1_5670

11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795

11AC80SISO_Ant1_5210

11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530

11AC80SISO_Ant1_5775

Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:PULSE
ALIGN AUTO
03:18:30 PM Dec 15, 2023
Center Freq 5.775000000 GHz
Center Freq: 5.775000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Frequency
Ref Offset 14.06 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.7862 GHz
4.9623 dBm
Center 5.775 GHz
#Res BW 1.6 MHz
#VBW 5 MHz
Span 160 MHz
Sweep 1 ms
Center Freq
5.775000000 GHz
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz
Occupied Bandwidth
75.911 MHz
Total Power
16.3 dBm
Transmit Freq Error
382.16 kHz
% of OBW Power
99.00 %
x dB Bandwidth
81.21 MHz
x dB
-26.00 dB
MSG
STATUS

Appendix A3: Min emission bandwidth

Test Result B4

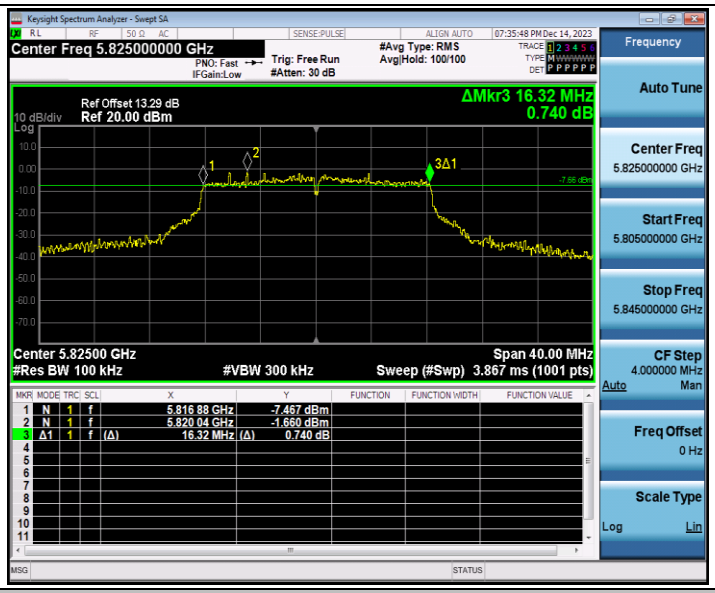
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.880	5753.200	0.5	PASS
		5785	16.120	5776.880	5793.000	0.5	PASS
		5825	16.320	5816.880	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.120	5736.280	5753.400	0.5	PASS
		5785	17.400	5776.400	5793.800	0.5	PASS
		5825	16.640	5816.920	5833.560	0.5	PASS
11N40SISO	Ant1	5755	35.920	5737.240	5773.160	0.5	PASS
		5795	35.360	5777.240	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.280	5776.560	5793.840	0.5	PASS
		5825	17.360	5816.360	5833.720	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.320	5776.920	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745

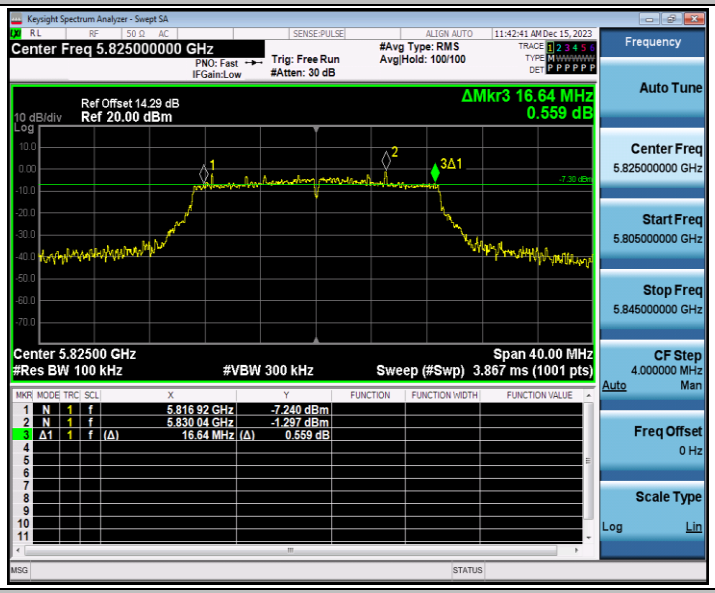
11A_Ant1_5785

11A_Ant1_5825



11N20SISO_Ant1_5745

11N20SISO_Ant1_5785

11N20SISO_Ant1_5825


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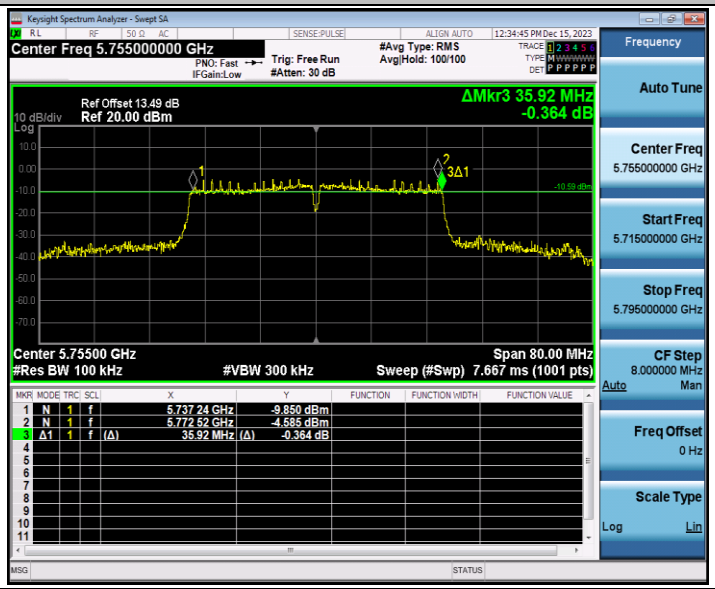

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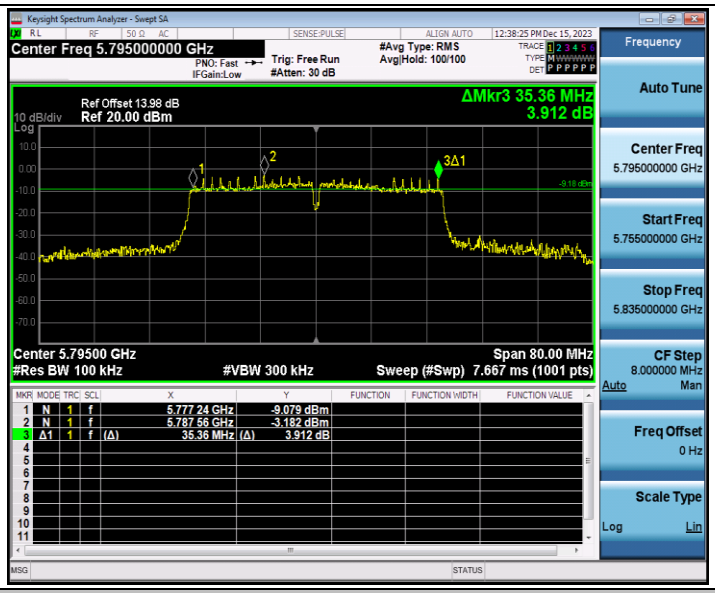

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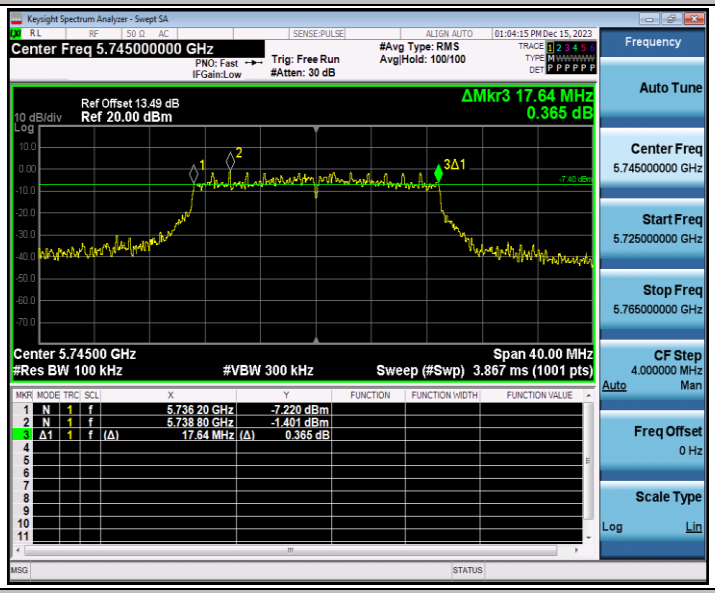

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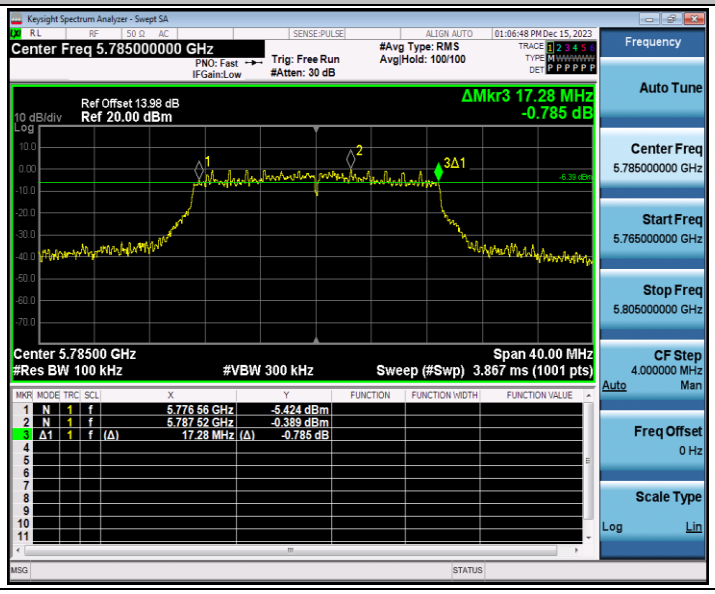

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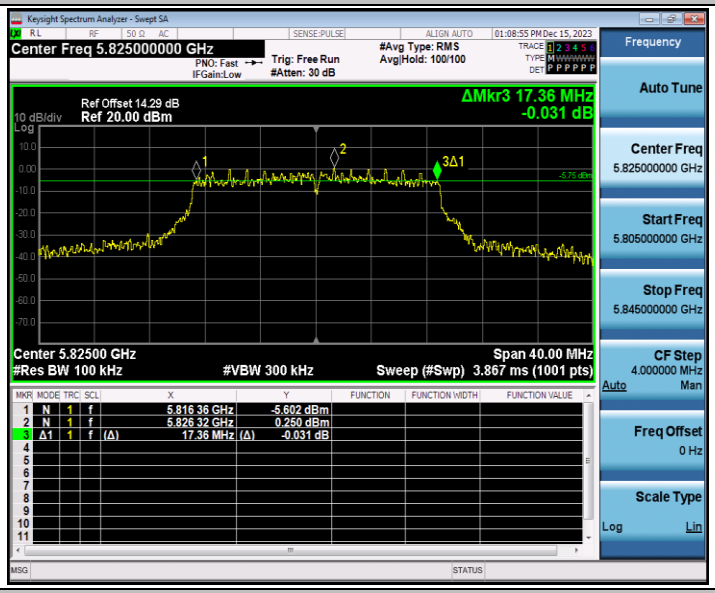

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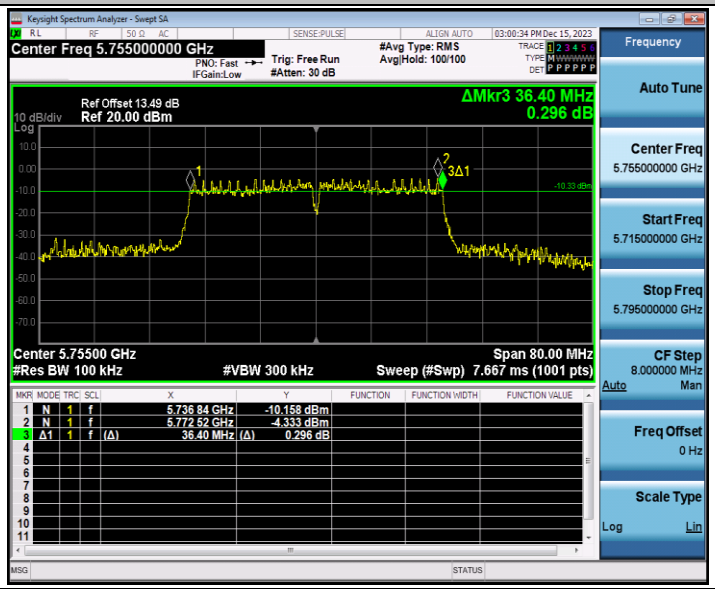

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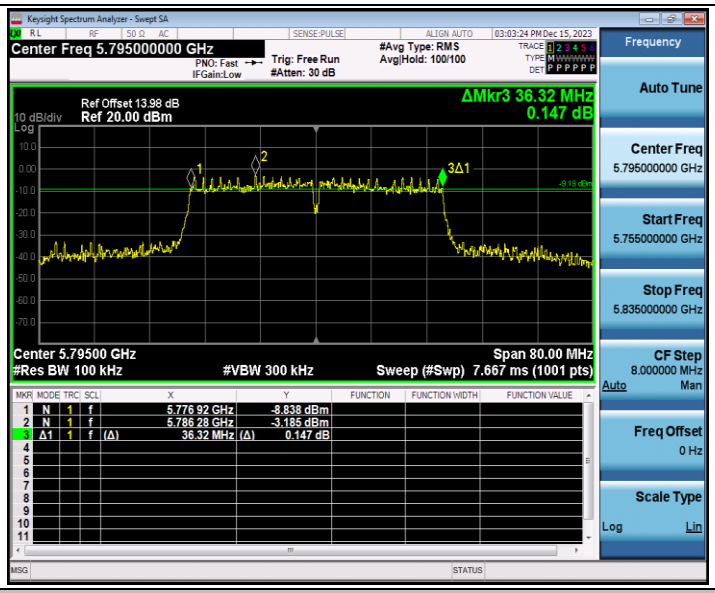
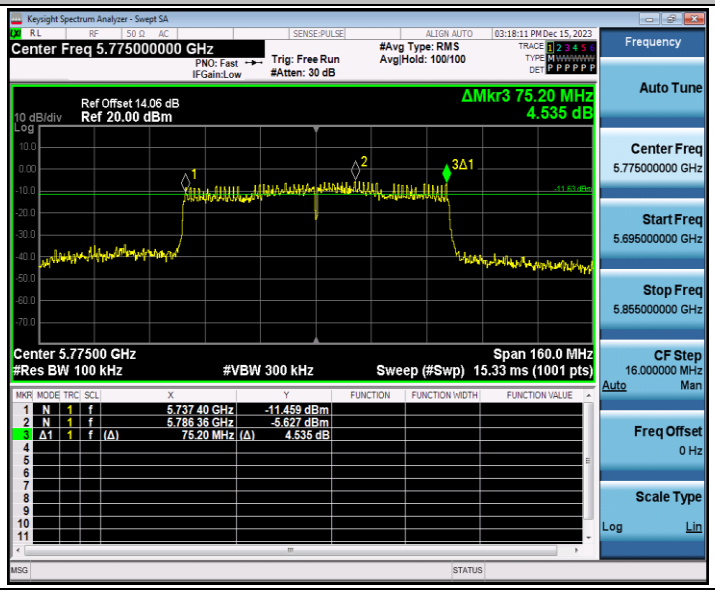


11AC80SISO_Ant1_5775



Appendix B: Duty Cycle

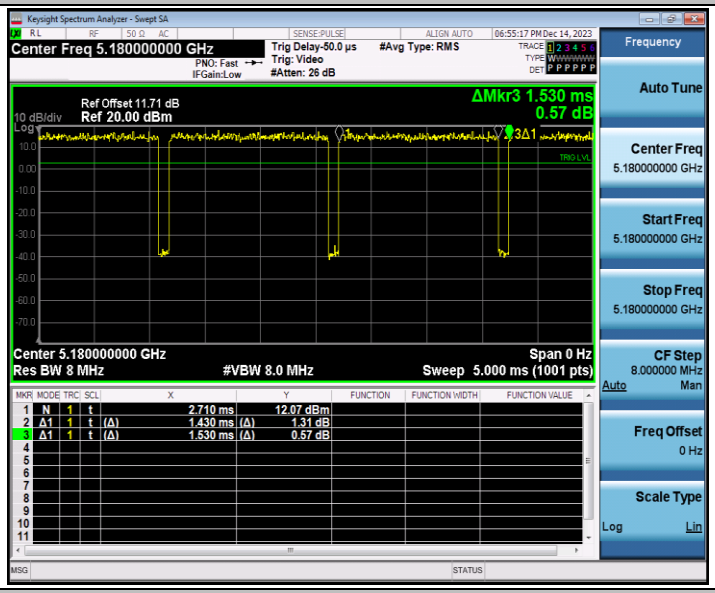
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.43	1.53	93.46
		5220	1.43	1.53	93.46
		5240	1.43	1.53	93.46
		5260	1.43	1.53	93.46
		5300	1.43	1.53	93.46
		5320	1.42	1.53	92.81
		5500	1.43	1.53	93.46
		5580	1.43	1.53	93.46
		5700	1.42	1.53	92.81
		5745	1.43	1.53	93.46
		5785	1.42	1.53	92.81
		5825	1.43	1.53	93.46
11N20SISO	Ant1	5180	1.34	1.44	93.06
		5220	1.33	1.44	92.36
		5240	1.34	1.44	93.06
		5260	1.34	1.44	93.06
		5300	1.33	1.43	93.01
		5320	1.34	1.44	93.06
		5500	1.34	1.44	93.06
		5580	1.34	1.44	93.06
		5700	1.33	1.43	93.01
		5745	1.34	1.44	93.06
		5785	1.33	1.44	92.36
		5825	1.33	1.43	93.01
11N40SISO	Ant1	5190	0.67	0.77	87.01
		5230	0.66	0.77	85.71
		5270	0.66	0.76	86.84
		5310	0.66	0.76	86.84
		5510	0.66	0.77	85.71
		5550	0.66	0.76	86.84
		5670	0.66	0.76	86.84
		5755	0.66	0.76	86.84
		5795	0.66	0.76	86.84
11AC20SISO	Ant1	5180	0.15	0.26	57.69
		5220	0.15	0.25	60.00
		5240	0.15	0.26	57.69
		5260	0.15	0.25	60.00

		5300	0.15	0.25	60.00
		5320	0.15	0.25	60.00
		5500	0.15	0.25	60.00
		5580	0.15	0.26	57.69
		5700	0.15	0.25	60.00
		5745	0.15	0.26	57.69
		5785	0.15	0.25	60.00
		5825	0.15	0.25	60.00
11AC40SISO	Ant1	5190	0.09	0.19	47.37
		5230	0.08	0.19	42.11
		5270	0.08	0.19	42.11
		5310	0.09	0.19	47.37
		5510	0.08	0.19	42.11
		5550	0.08	0.19	42.11
		5670	0.09	0.19	47.37
		5755	0.08	0.19	42.11
		5795	0.09	0.19	47.37
11AC80SISO	Ant1	5210	0.06	0.17	35.29
		5290	0.06	0.16	37.50
		5530	0.06	0.16	37.50
		5775	0.06	0.16	37.50

Test Graphs

11A_Ant1_5180



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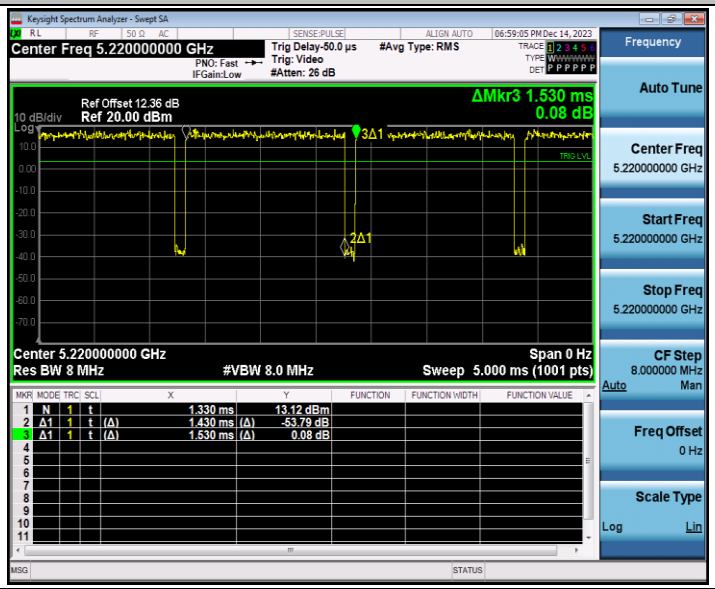

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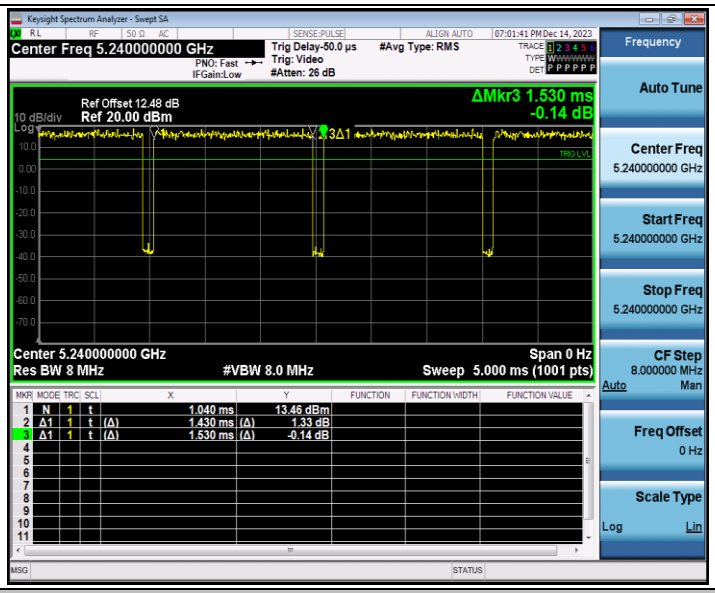

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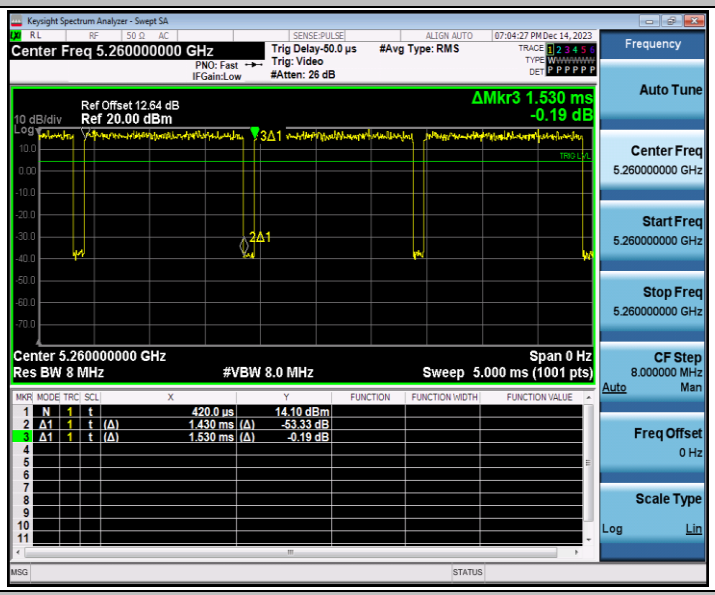

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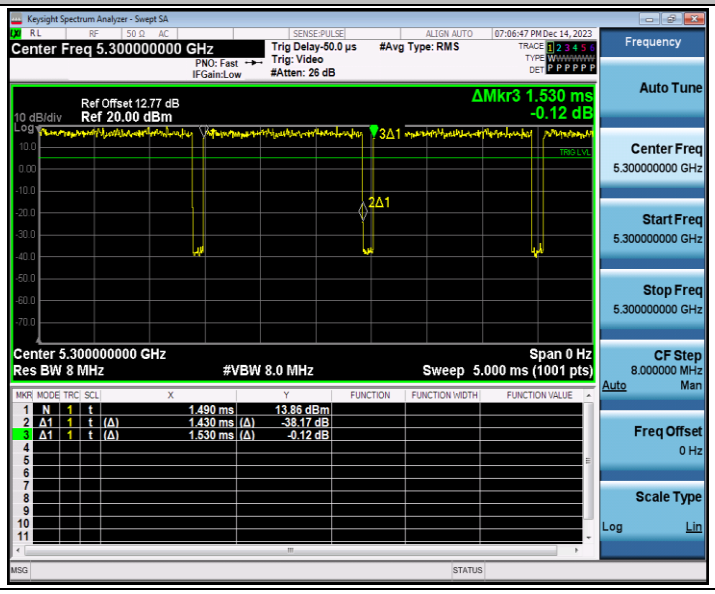

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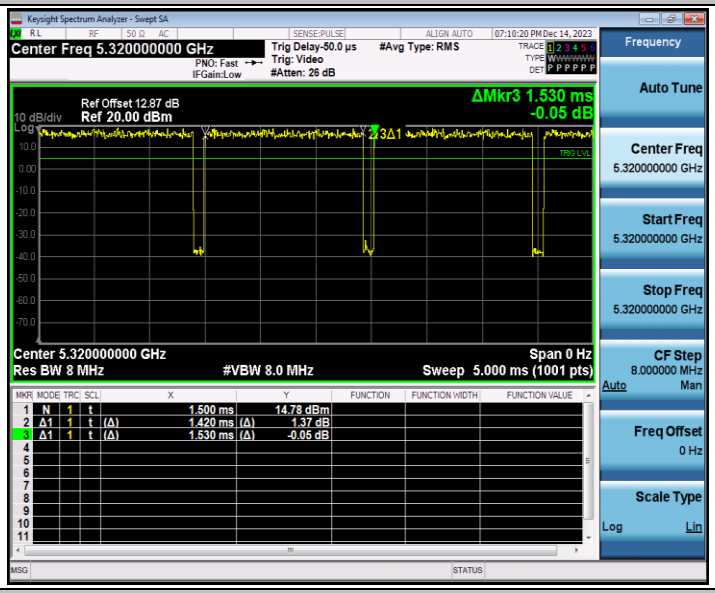

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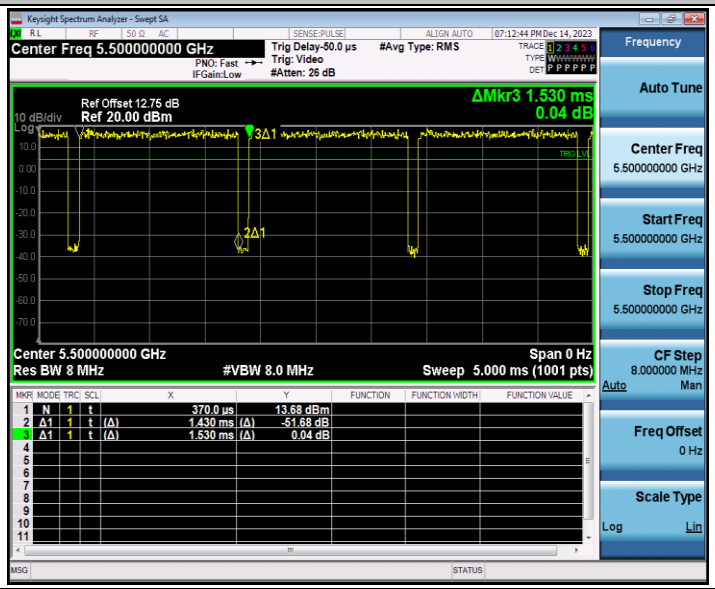

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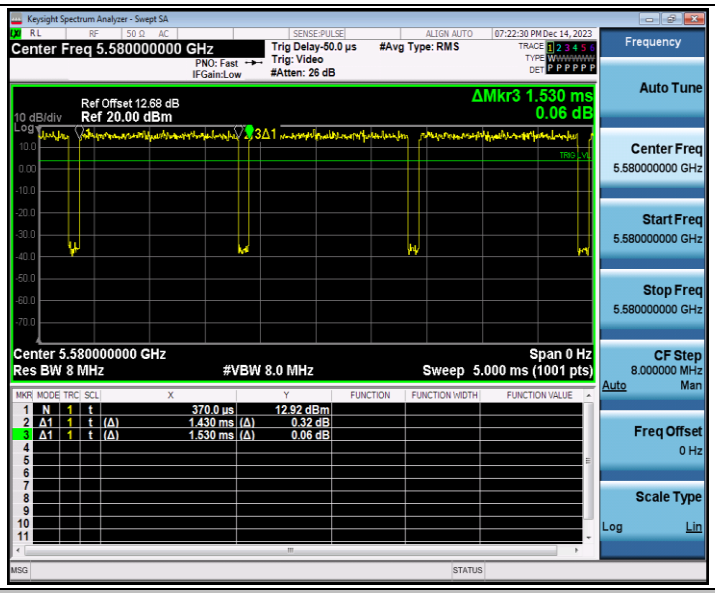

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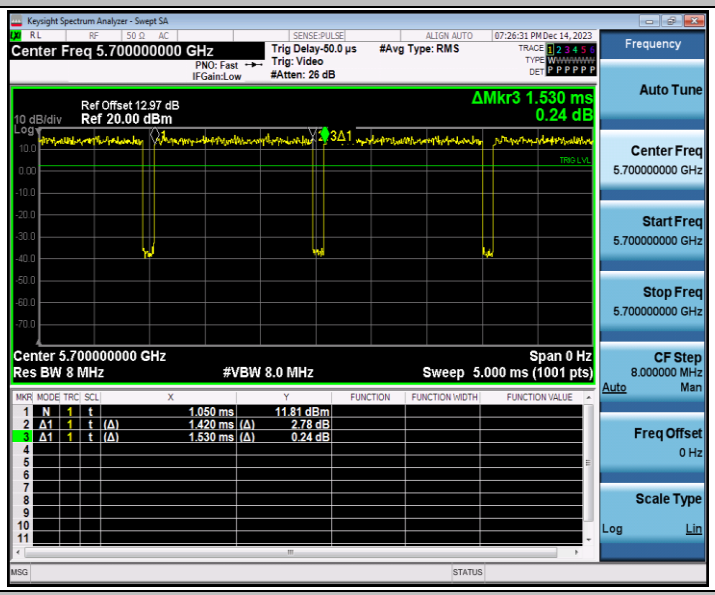

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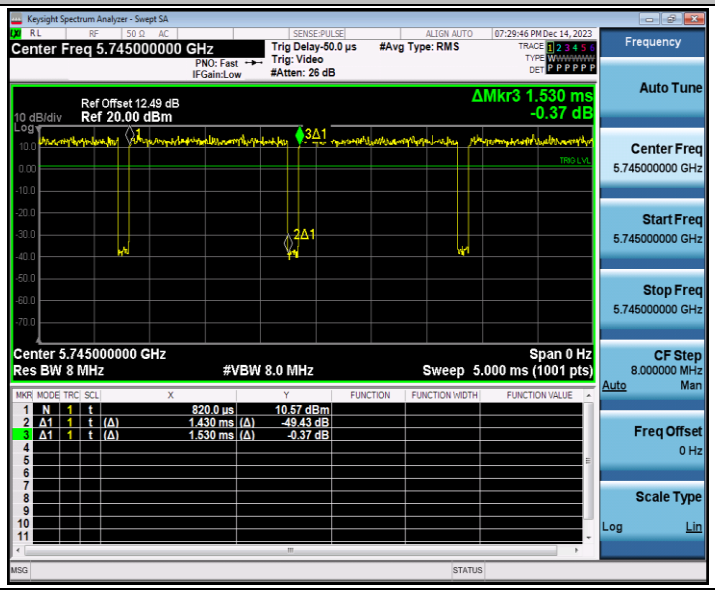

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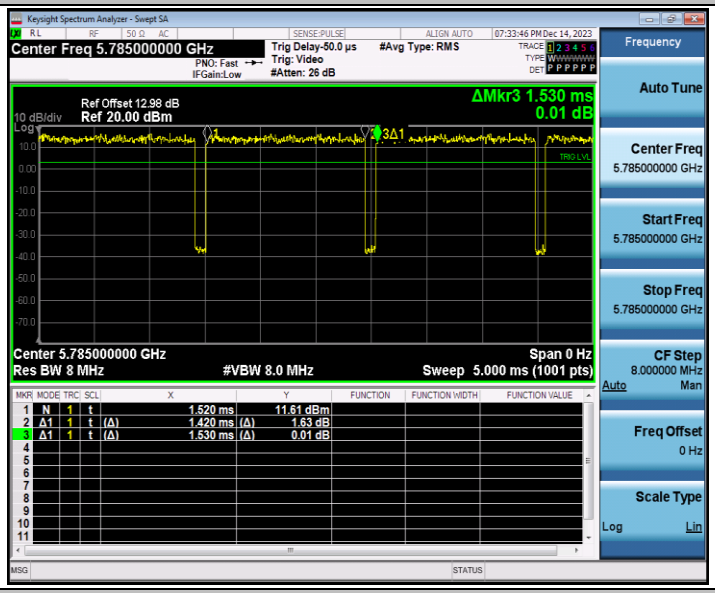

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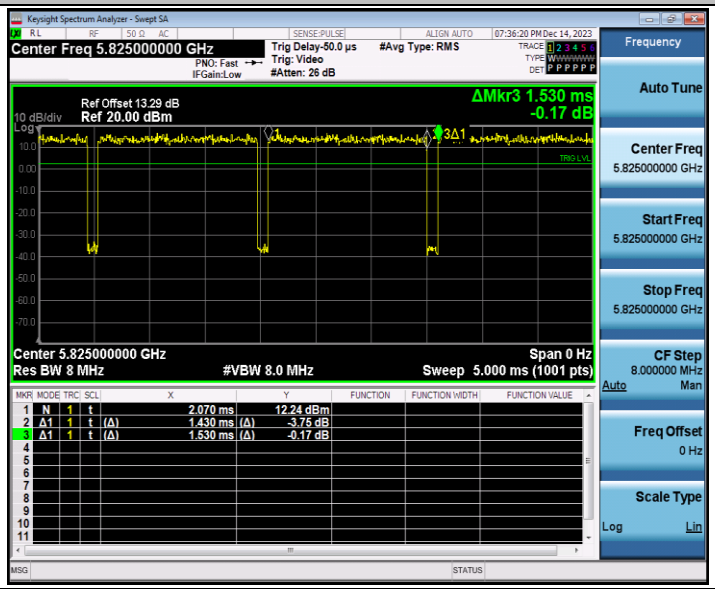

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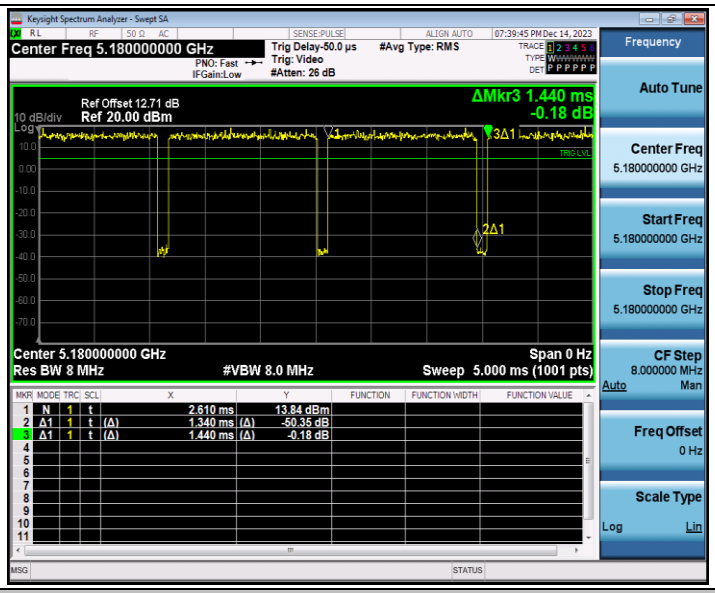

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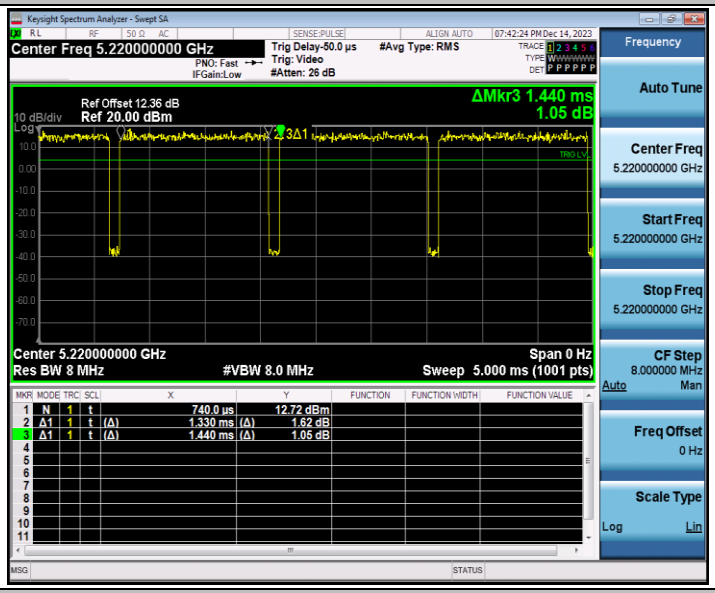

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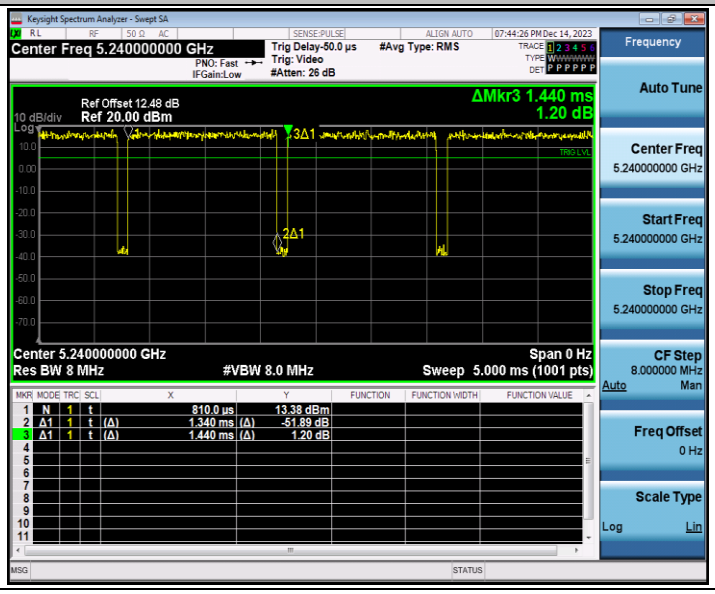

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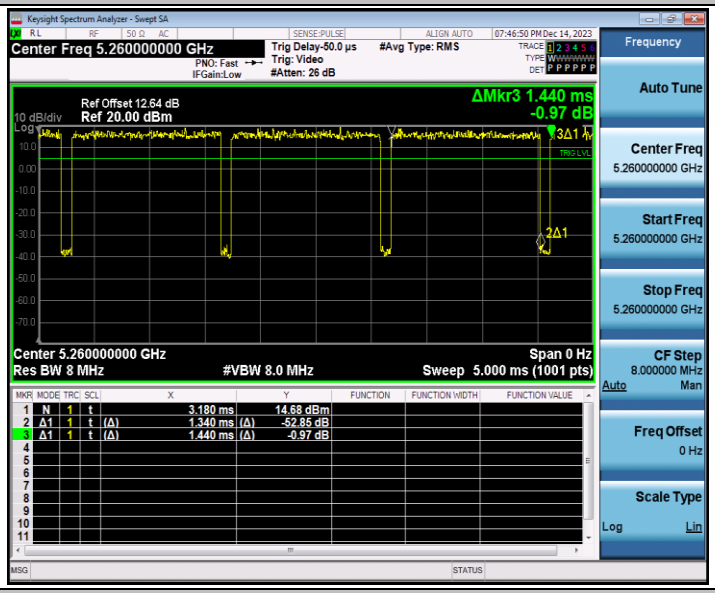

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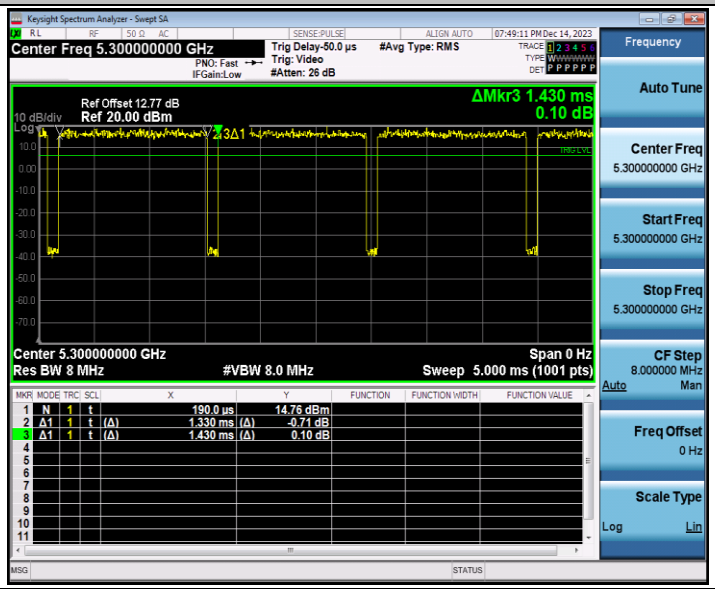

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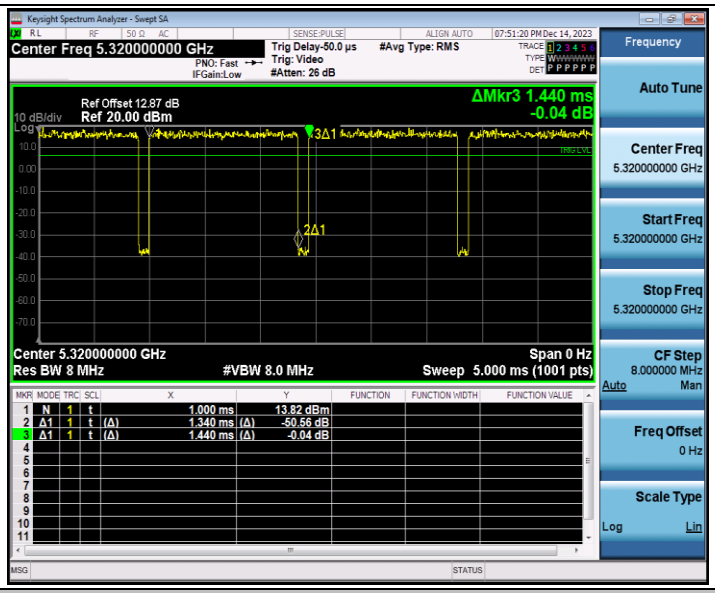

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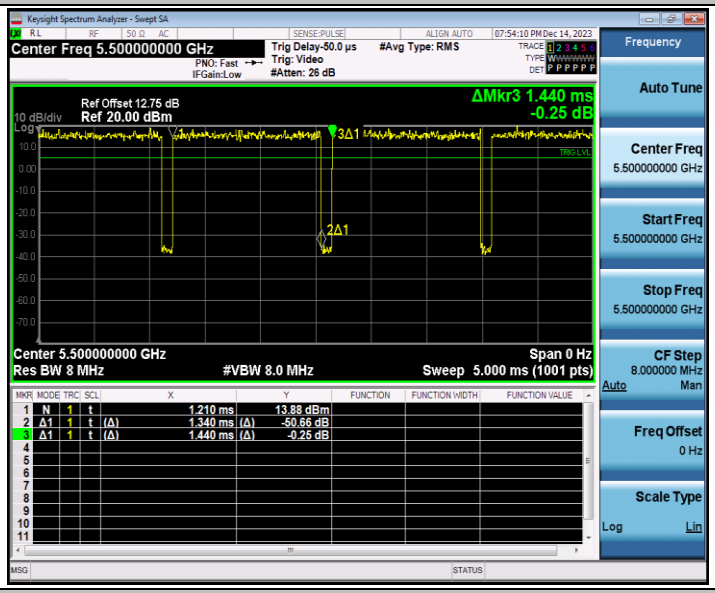

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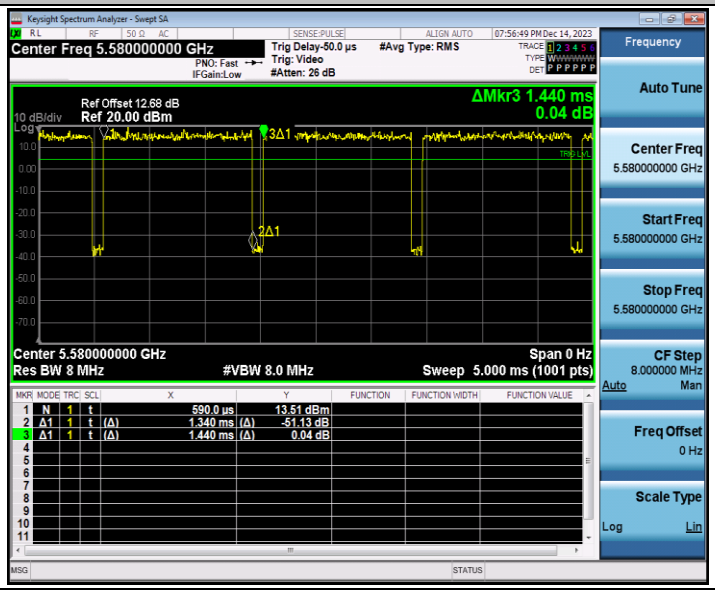

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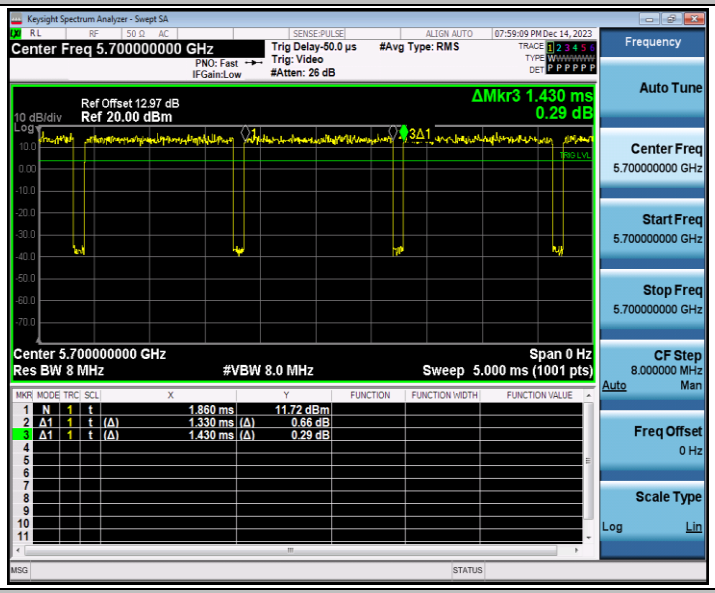

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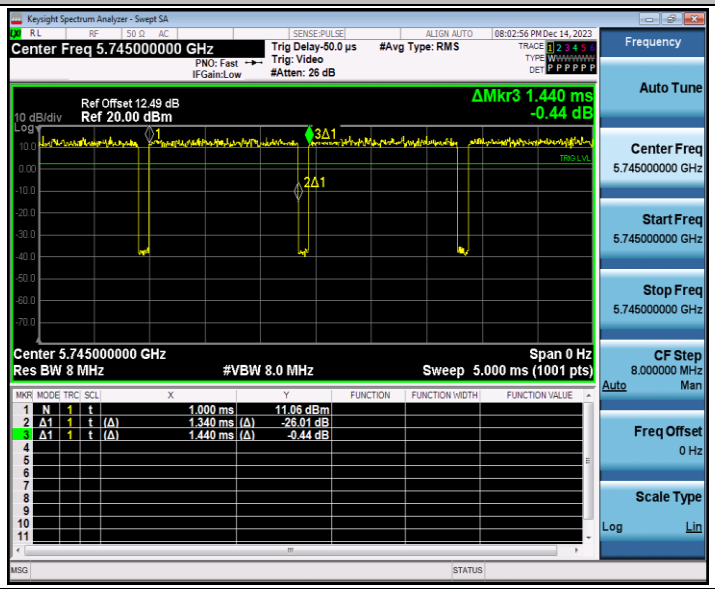

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