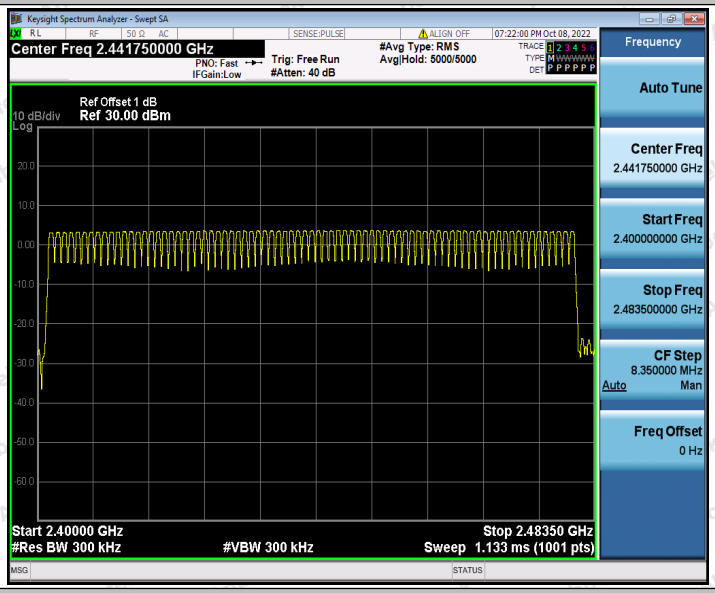
Appendix F: Number of hopping channels

Test Result

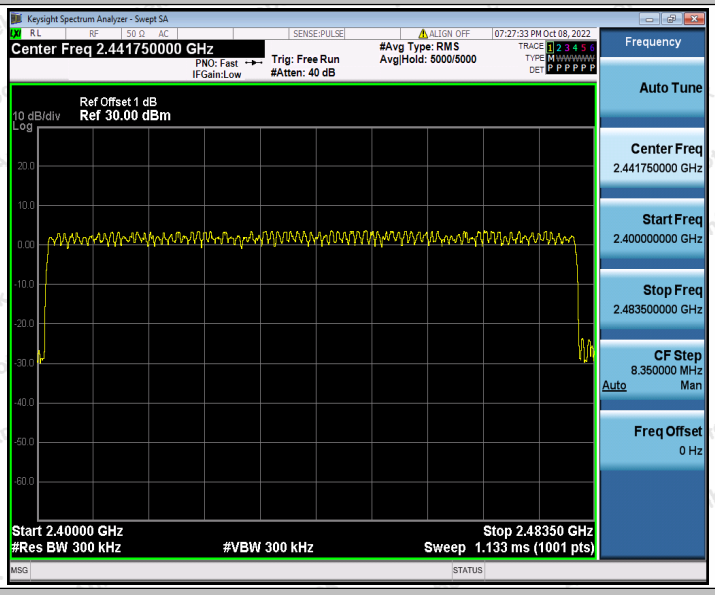
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

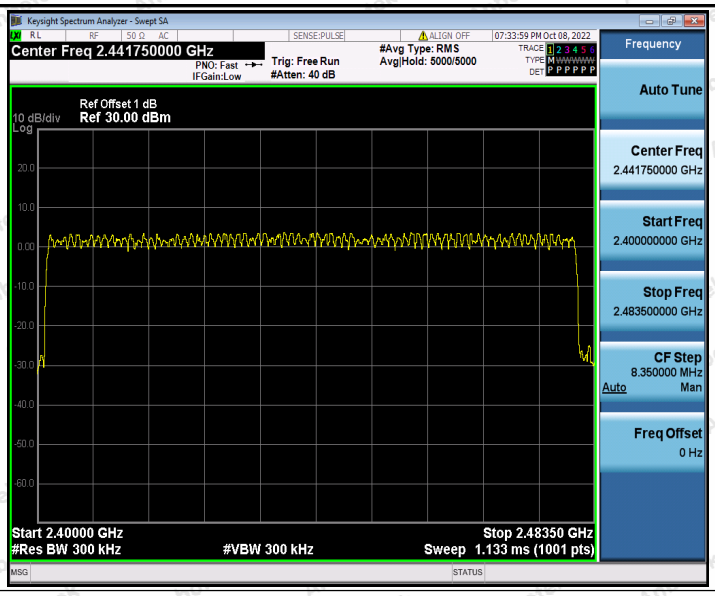
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.441750000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 5000/5000
07:33:59 PM Oct 08, 2022
Ref Offset 1 dB
10 dB/div
Ref 30.00 dBm
Log
Start 2.40000 GHz
#Res BW 300 kHz
#VBW 300 kHz
Stop 2.48350 GHz
Sweep 1.133 ms (1001 pts)
Frequency
Auto Tune
Center Freq
2.441750000 GHz
Start Freq
2.400000000 GHz
Stop Freq
2.483500000 GHz
CF Step
8.350000 MHz
Auto
Man
Freq Offset
0 Hz

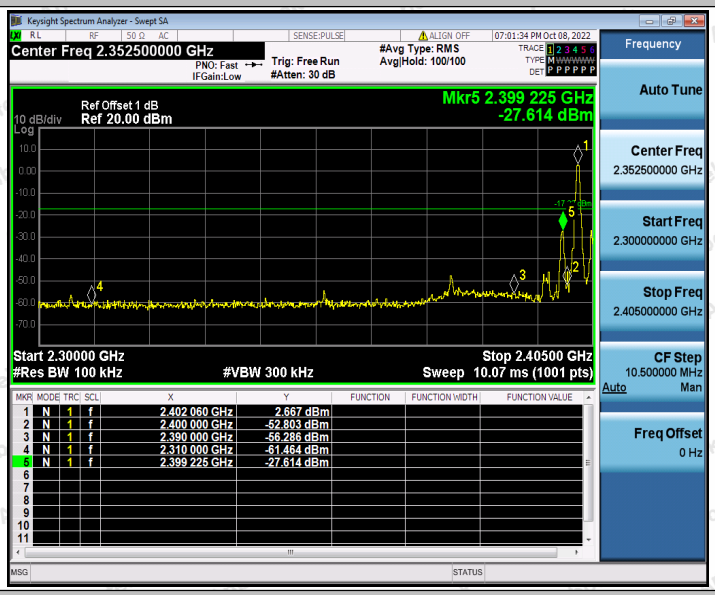
Appendix G: Band edge measurements

Test Result

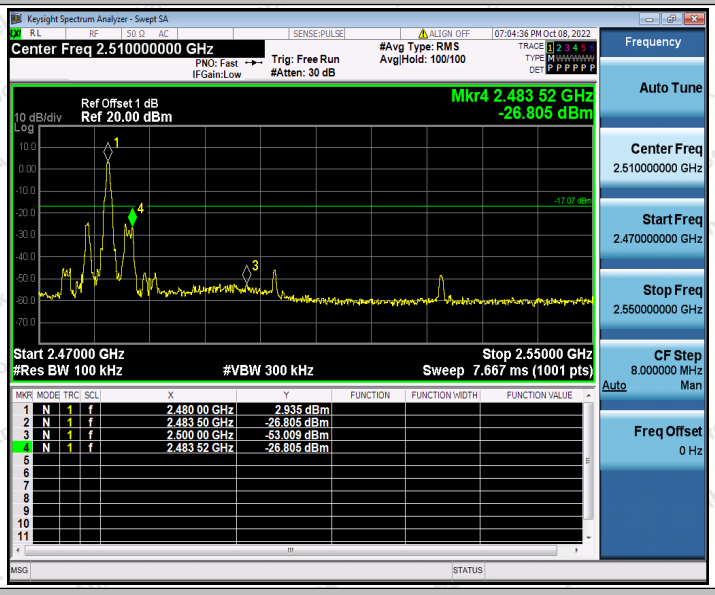
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.67	-27.61	≤-17.33	PASS
		High	2480	2.94	-26.81	≤-17.07	PASS
		Low	Hop_2402	2.30	-47.94	≤-17.7	PASS
		High	Hop_2480	3.18	-47.5	≤-16.82	PASS
2DH5	Ant1	Low	2402	2.57	-27.23	≤-17.43	PASS
		High	2480	1.10	-26.63	≤-18.9	PASS
		Low	Hop_2402	1.69	-49.09	≤-18.31	PASS
		High	Hop_2480	3.12	-48.83	≤-16.88	PASS
3DH5	Ant1	Low	2402	2.57	-28.69	≤-17.43	PASS
		High	2480	3.36	-30.37	≤-16.64	PASS
		Low	Hop_2402	0.59	-49.25	≤-19.41	PASS
		High	Hop_2480	1.54	-48.44	≤-18.46	PASS

Test Graphs

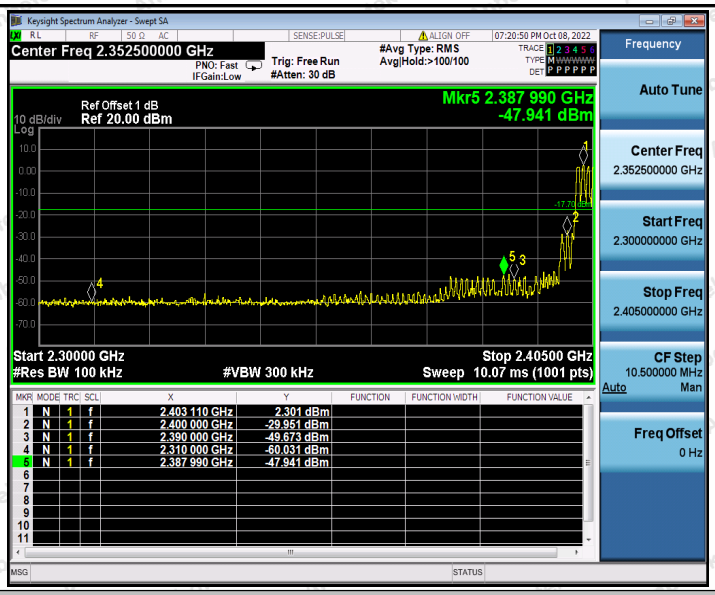
DH5_Ant1_Low_2402



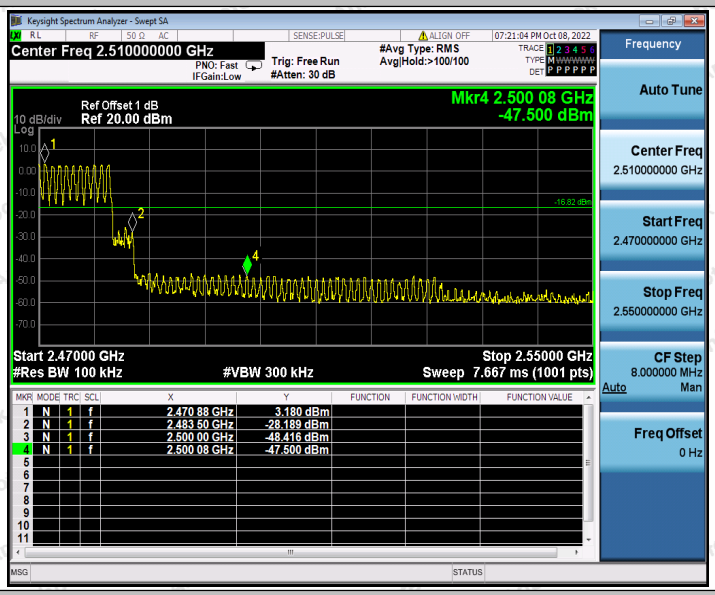
DH5_Ant1_High_2480



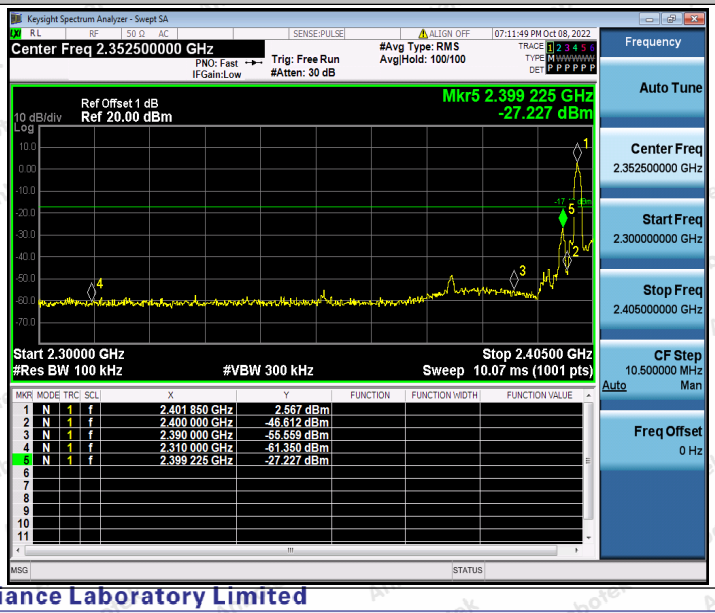
DH5_Ant1_Low_Hop_2402



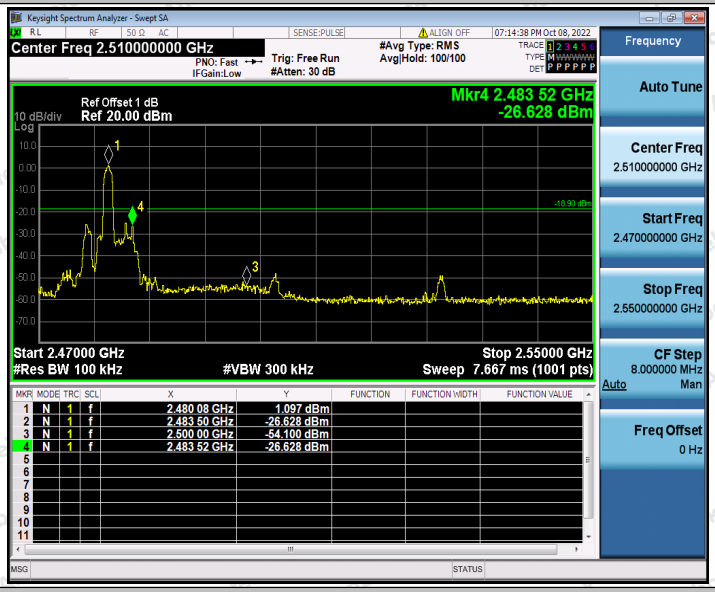
DH5_Ant1_High_Hop_2480



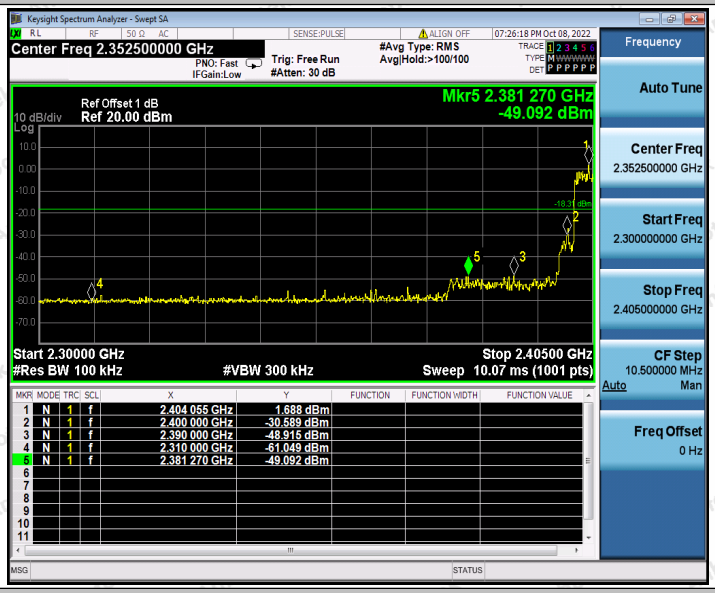
2DH5_Ant1_Low_2402



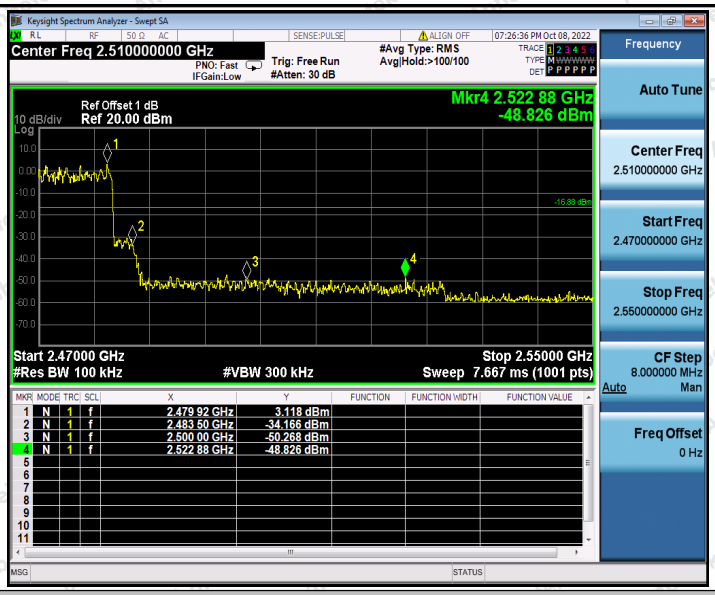
2DH5_Ant1_High_2480



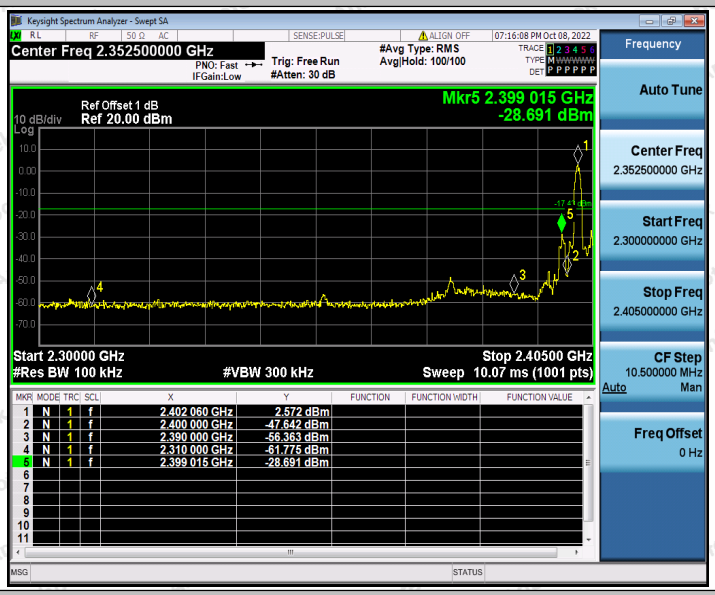
2DH5_Ant1_Low_Hop_2402



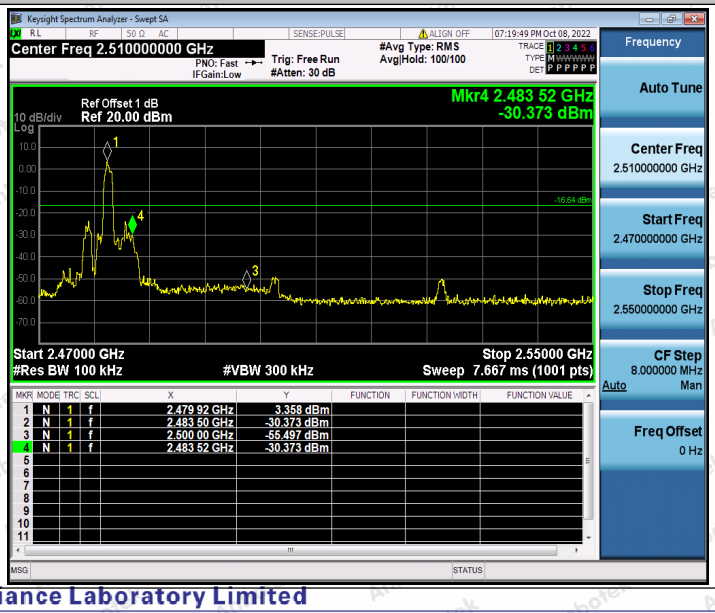
2DH5_Ant1_High_Hop_2480



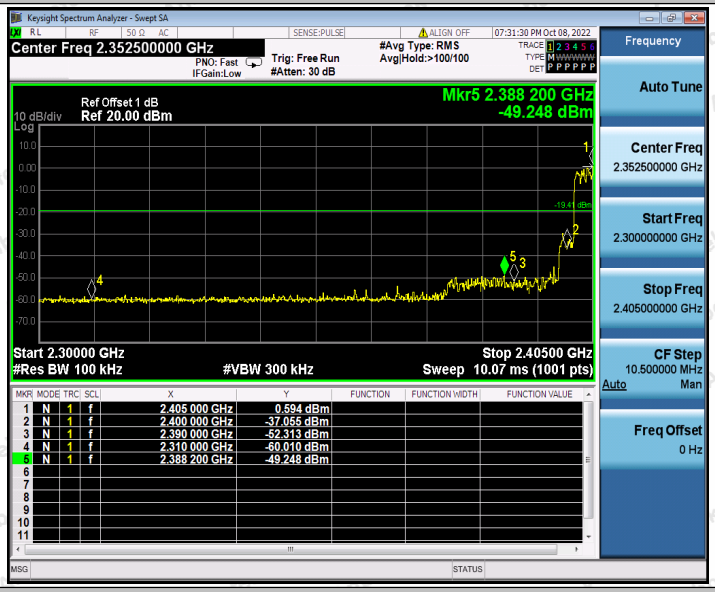
3DH5_Ant1_Low_2402



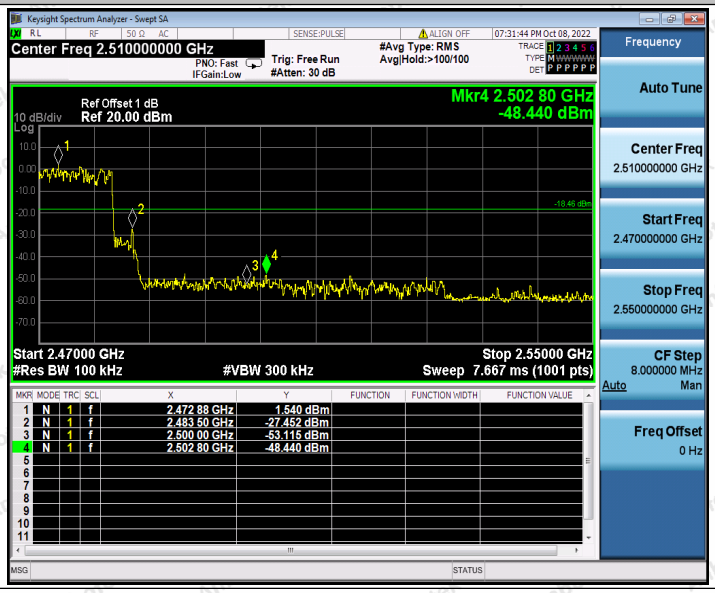
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



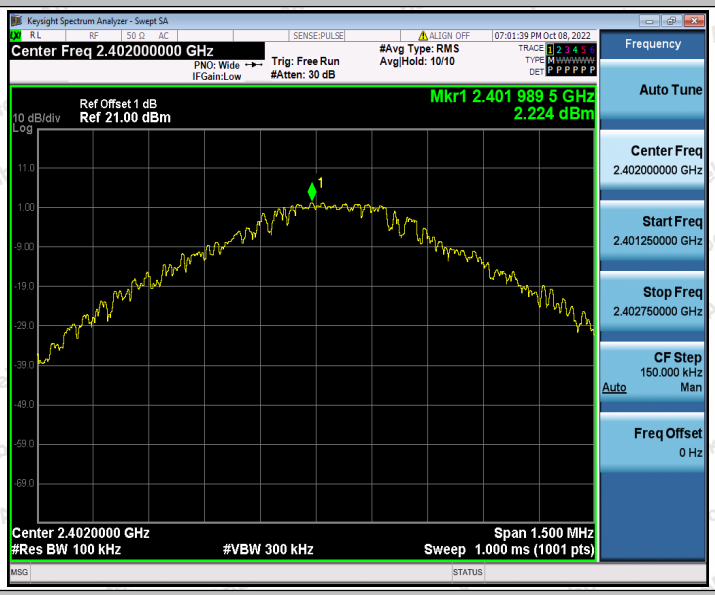
Appendix H: Conducted Spurious Emission

Test Result

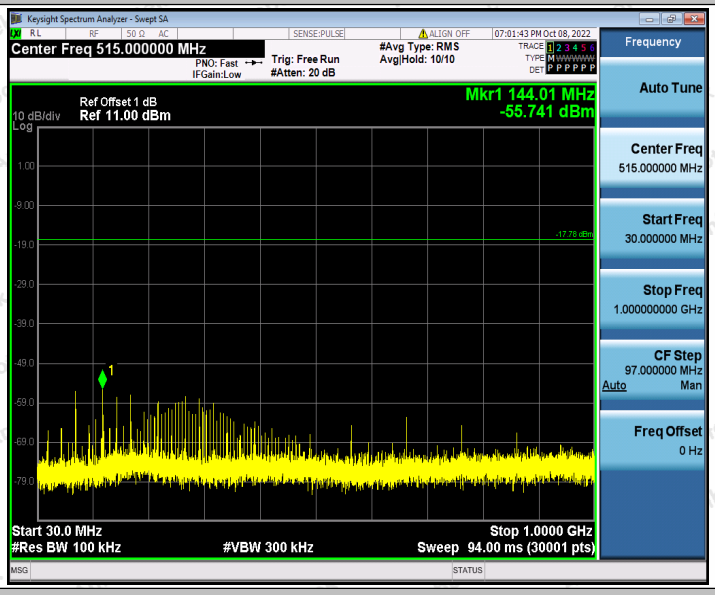
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-55.74	≤-17.78	PASS
			1000~26500	2.22	-38.97	≤-17.78	PASS
		2441	Reference	2.76	2.76	---	PASS
			30~1000	2.76	-53.64	≤-17.24	PASS
			1000~26500	2.76	-38.29	≤-17.24	PASS
		2480	Reference	2.55	2.55	---	PASS
			30~1000	2.55	-54.55	≤-17.45	PASS
			1000~26500	2.55	-35.47	≤-17.45	PASS
2DH5	Ant1	2402	Reference	2.92	2.92	---	PASS
			30~1000	2.92	-55.13	≤-17.08	PASS
			1000~26500	2.92	-40.88	≤-17.08	PASS
		2441	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-54.7	≤-20.36	PASS
			1000~26500	-0.36	-40.57	≤-20.36	PASS
		2480	Reference	0.27	0.27	---	PASS
			30~1000	0.27	-53.12	≤-19.73	PASS
			1000~26500	0.27	-36.73	≤-19.73	PASS
3DH5	Ant1	2402	Reference	2.13	2.13	---	PASS
			30~1000	2.13	-54.92	≤-17.87	PASS
			1000~26500	2.13	-40.63	≤-17.87	PASS
		2441	Reference	0.16	0.16	---	PASS
			30~1000	0.16	-55.94	≤-19.84	PASS
			1000~26500	0.16	-41.61	≤-19.84	PASS
		2480	Reference	-0.12	-0.12	---	PASS
			30~1000	-0.12	-54.65	≤-20.12	PASS
			1000~26500	-0.12	-38.72	≤-20.12	PASS

Test Graphs

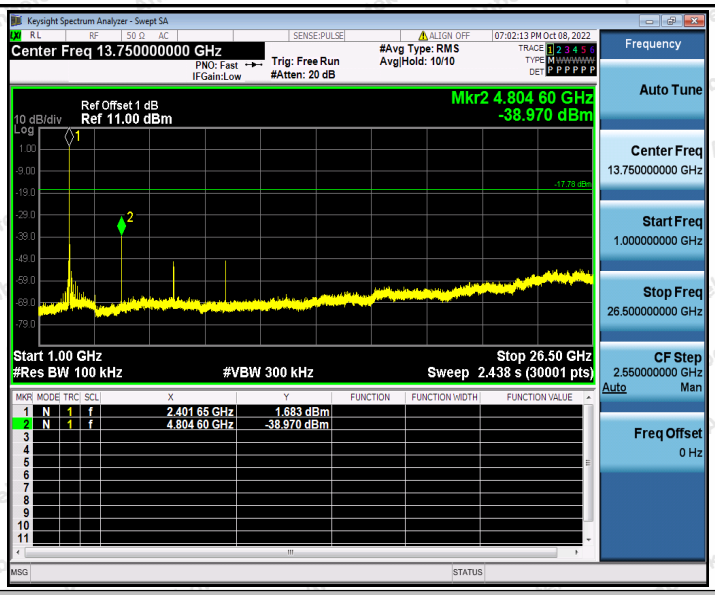
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000

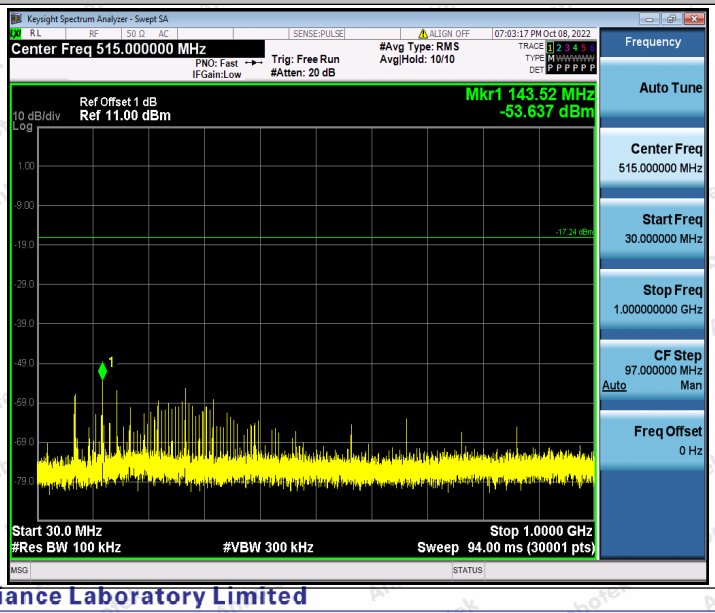


DH5_Ant1_2402_1000~26500

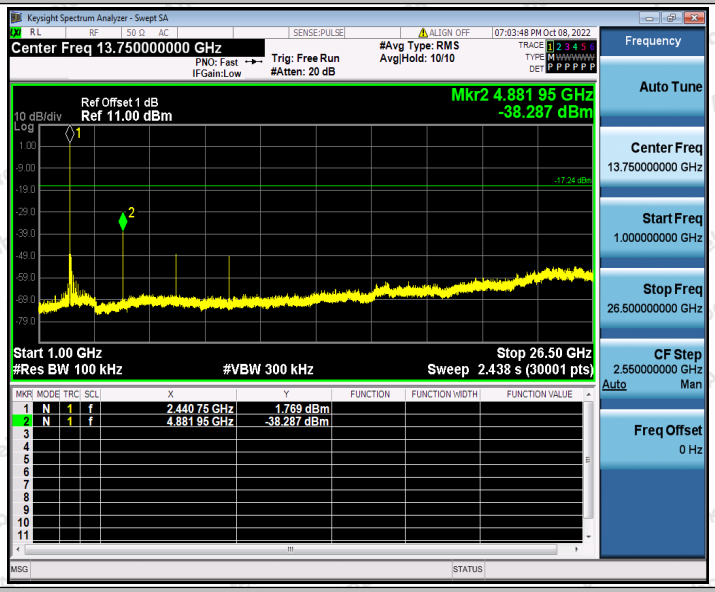


DH5_Ant1_2441_0~Reference

DH5_Ant1_2441_30~1000

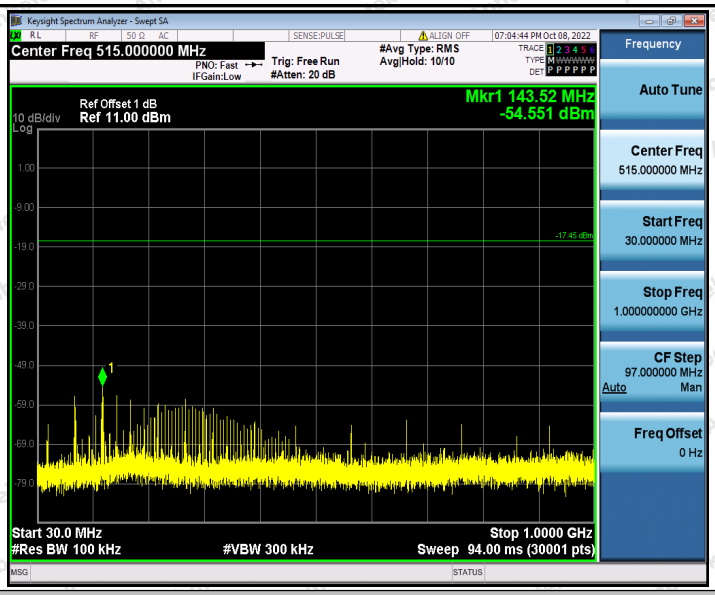


DH5_Ant1_2441_1000~26500

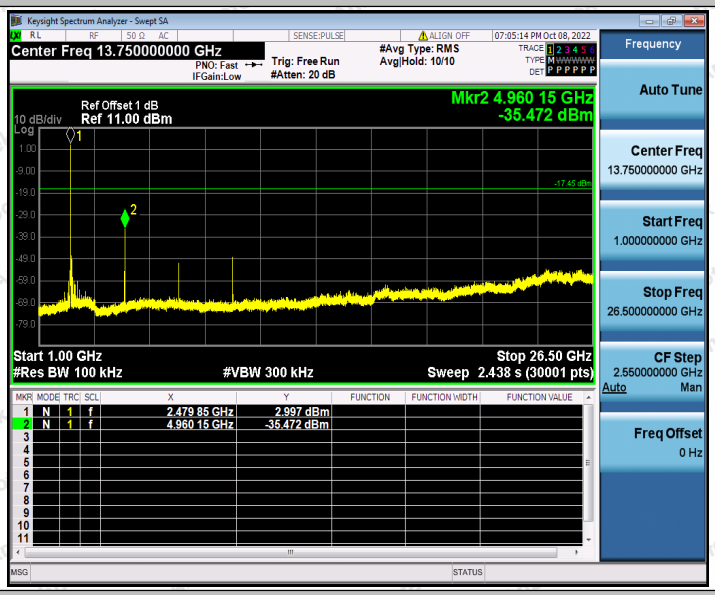


DH5_Ant1_2480_0~Reference

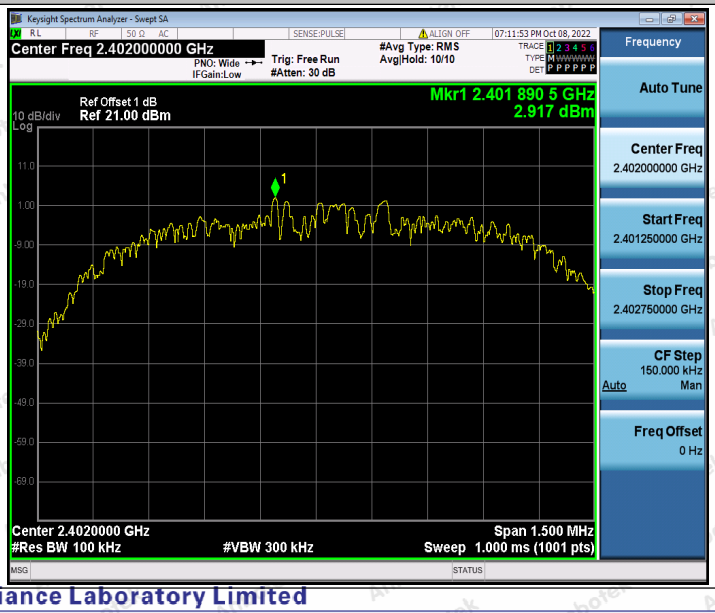
DH5_Ant1_2480_30~1000



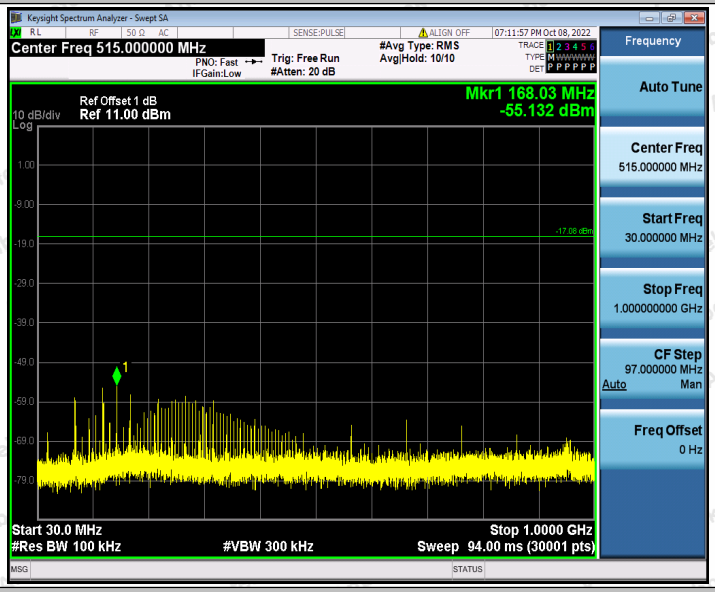
DH5_Ant1_2480_1000~26500



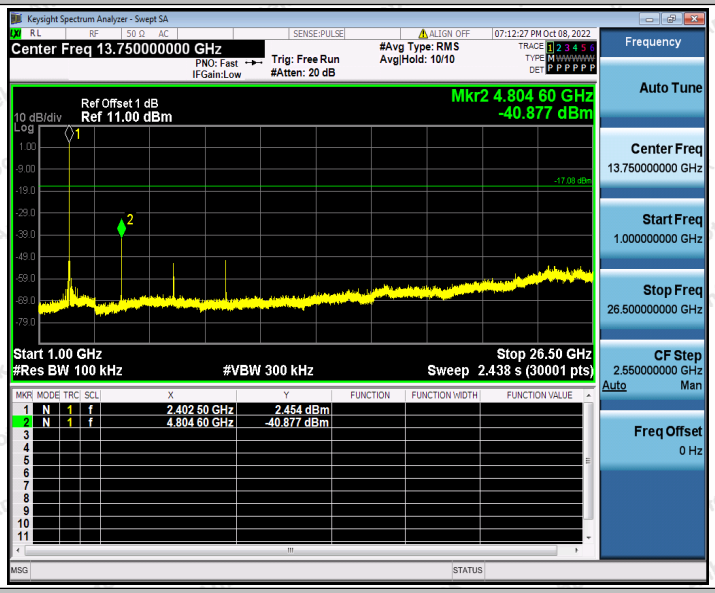
2DH5_Ant1_2402_0~Reference



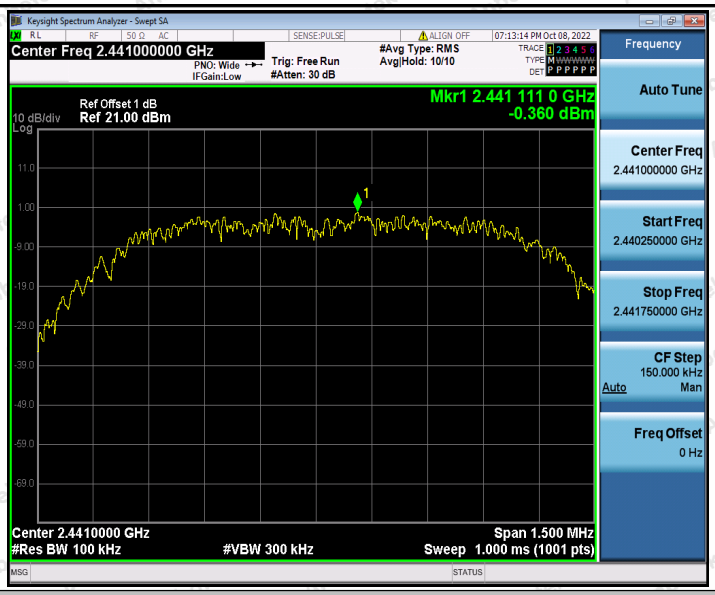
2DH5_Ant1_2402_30~1000



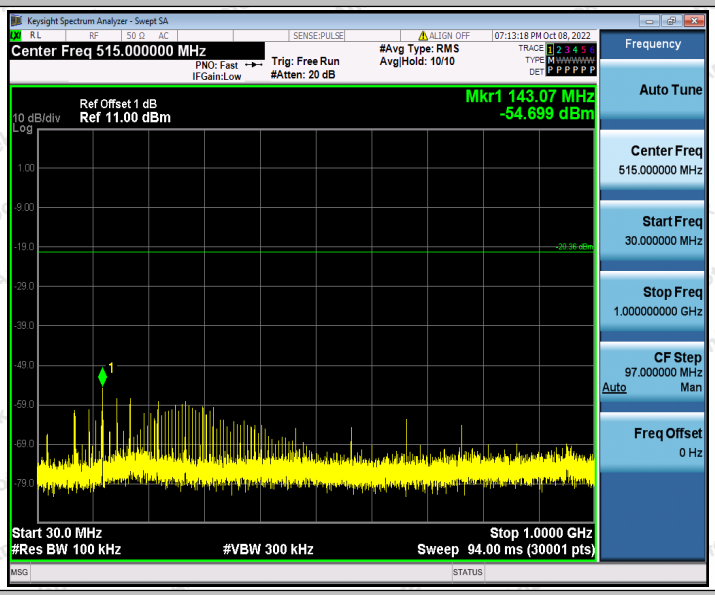
2DH5_Ant1_2402_1000~26500



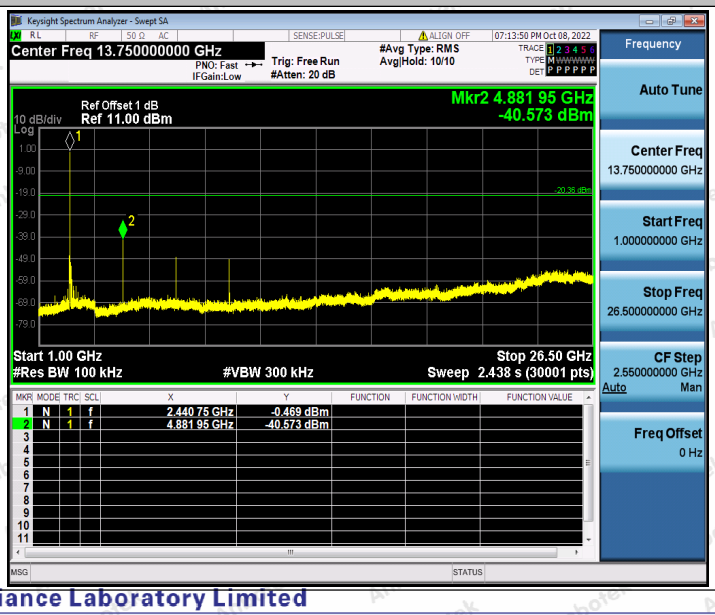
2DH5_Ant1_2441_0~Reference



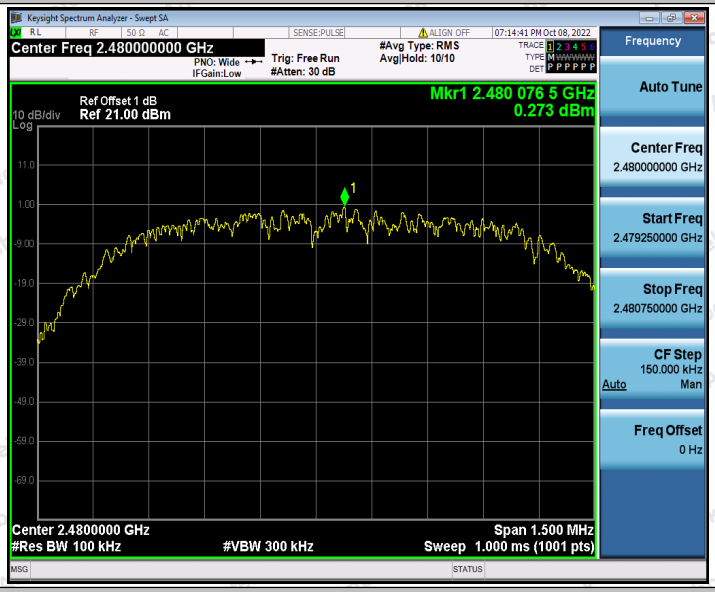
2DH5_Ant1_2441_30~1000



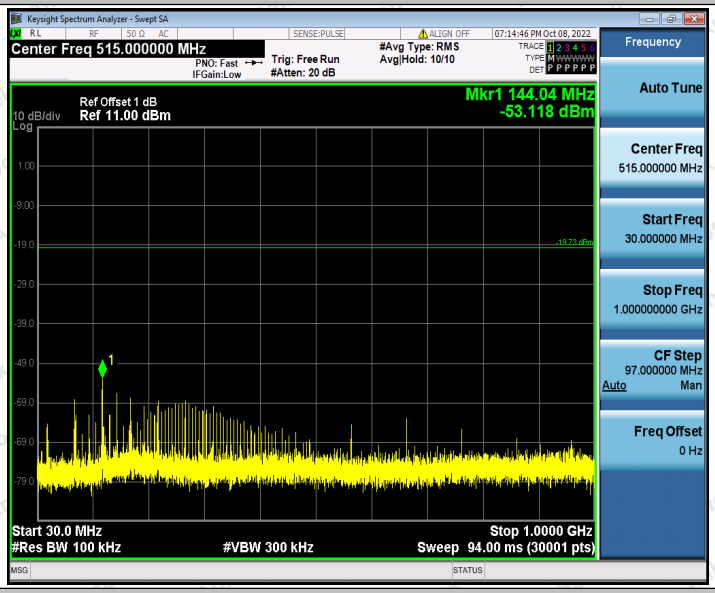
2DH5_Ant1_2441_1000~26500



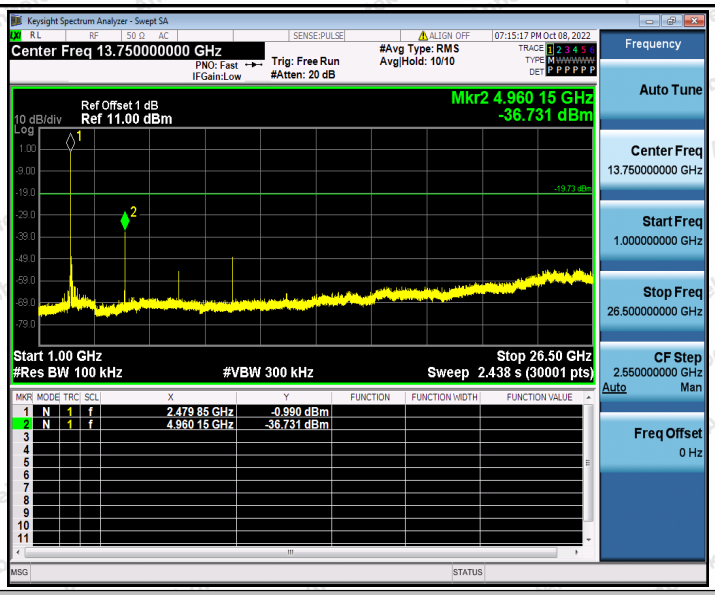
2DH5_Ant1_2480_0~Reference



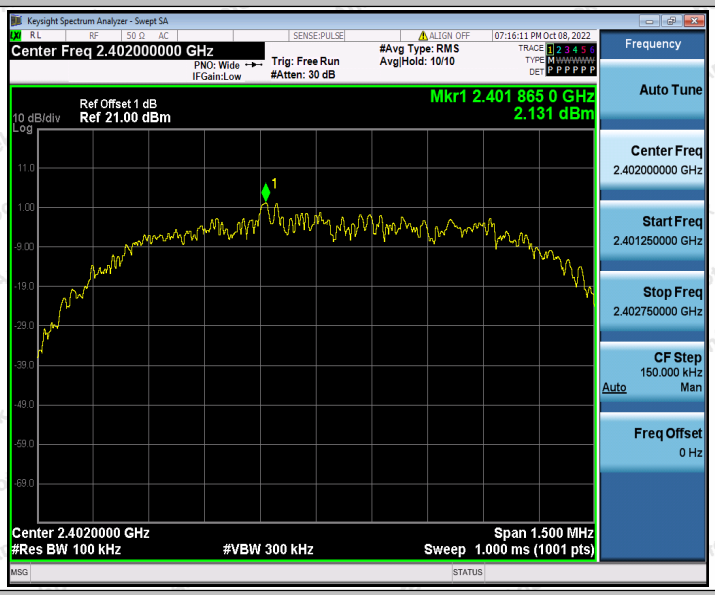
2DH5_Ant1_2480_30~1000



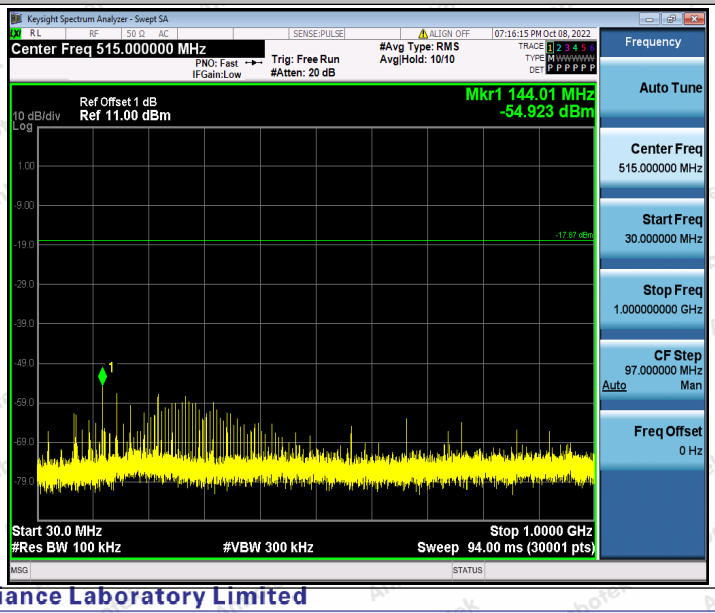
2DH5_Ant1_2480_1000~26500



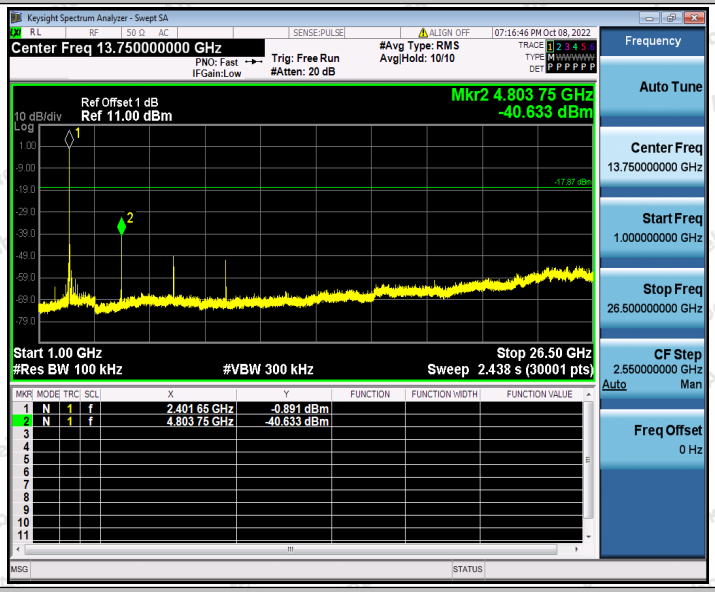
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000

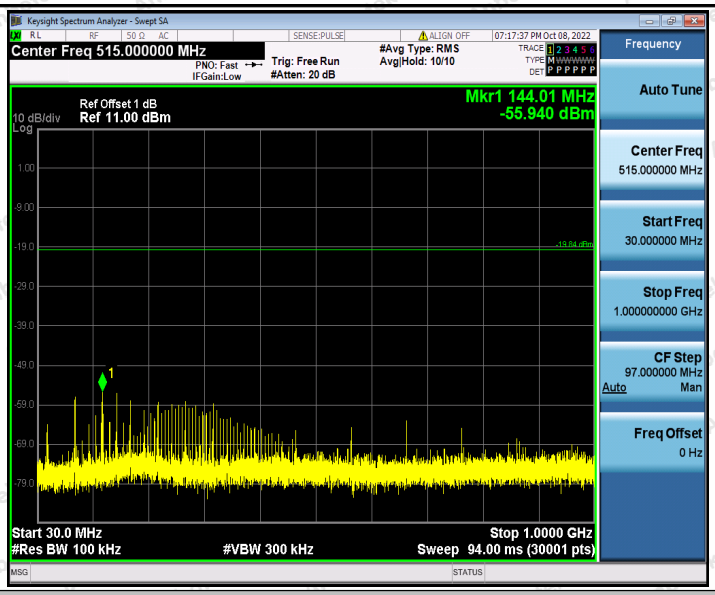


3DH5_Ant1_2402_1000~26500

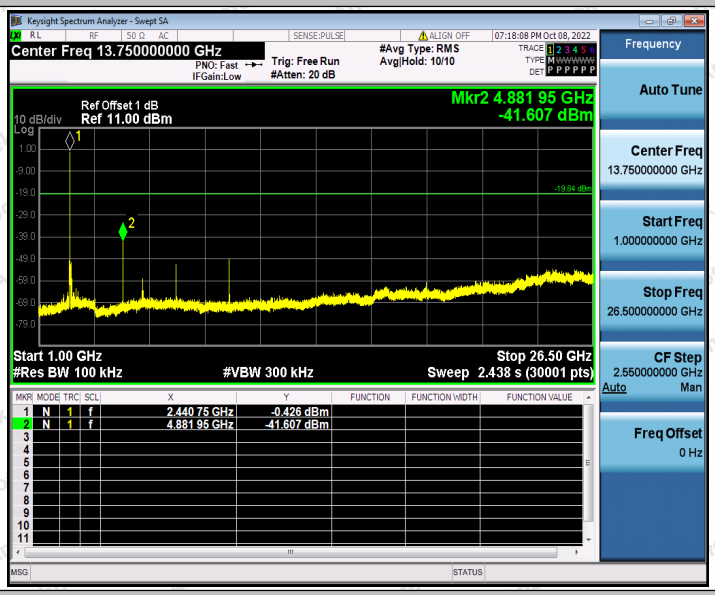


3DH5_Ant1_2441_0~Reference

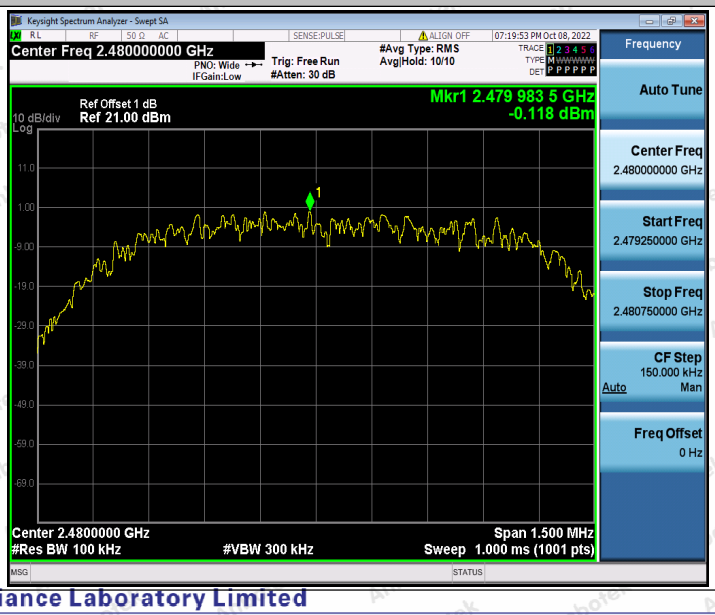
3DH5_Ant1_2441_30~1000



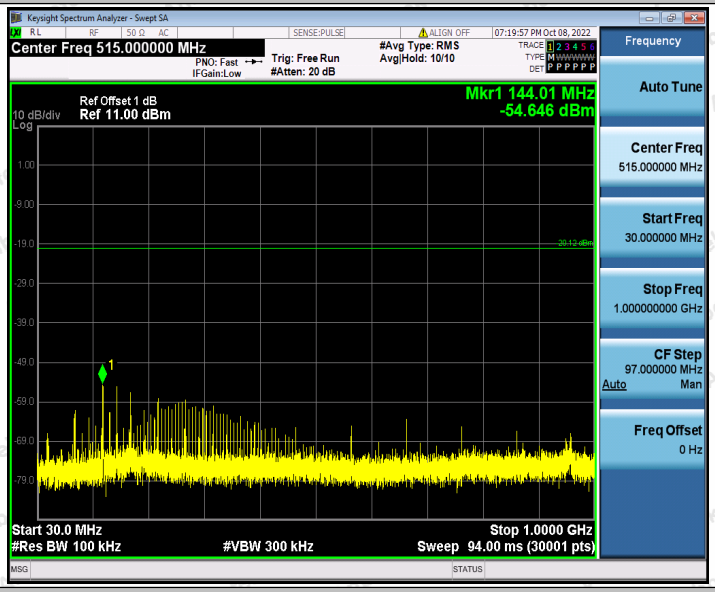
3DH5_Ant1_2441_1000~26500



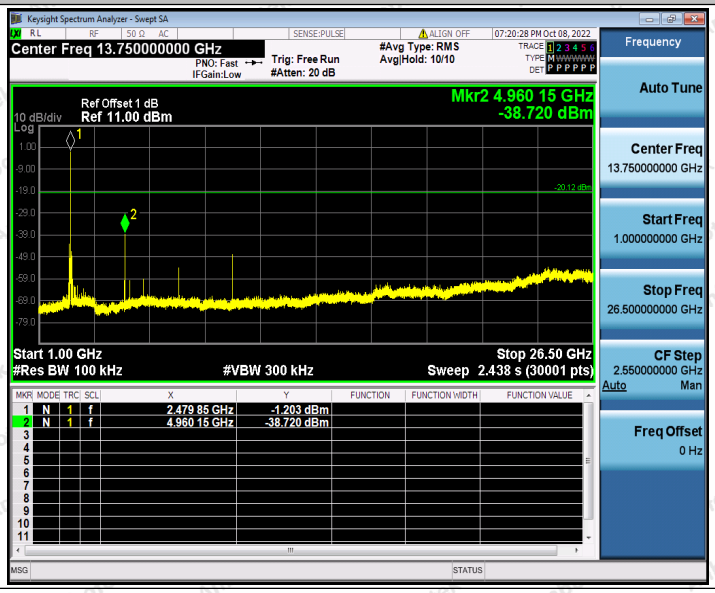
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



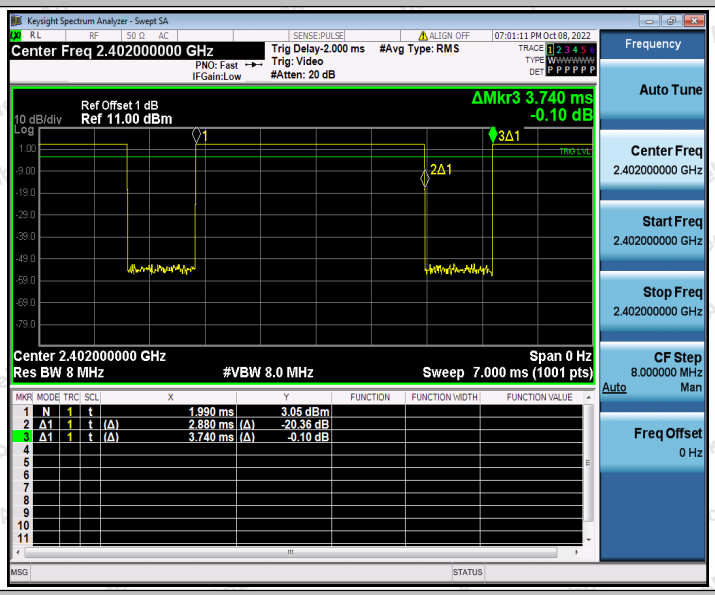
Appendix I: Duty Cycle

Test Result

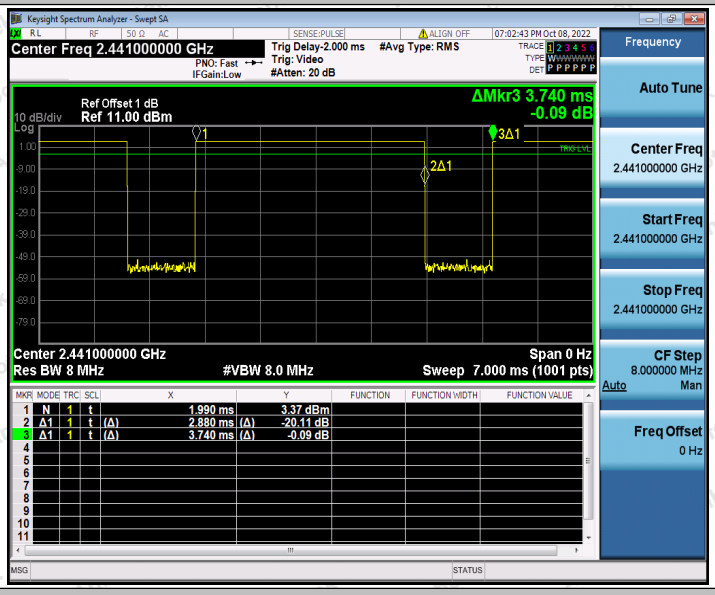
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.74	77.01	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.89	3.75	77.07	1.13

Test Graphs

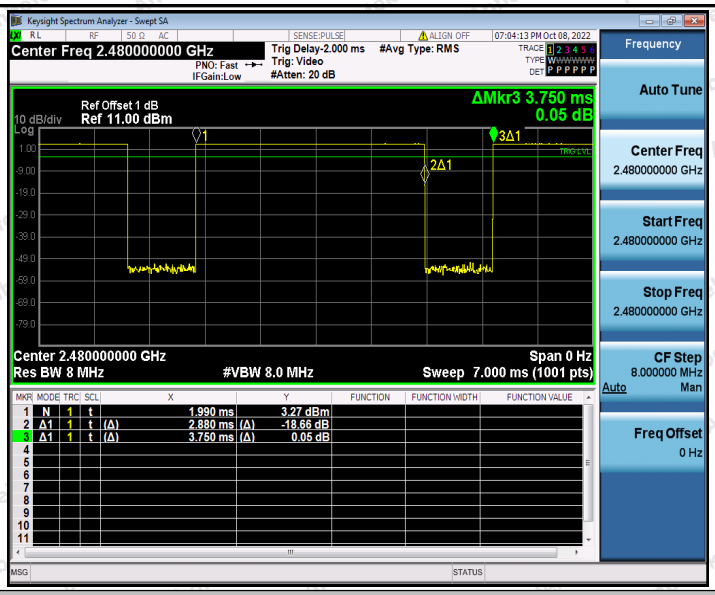
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



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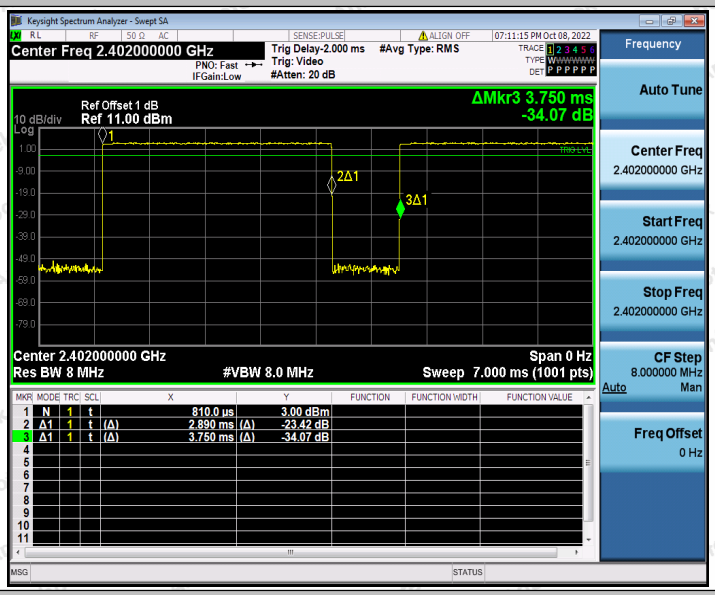

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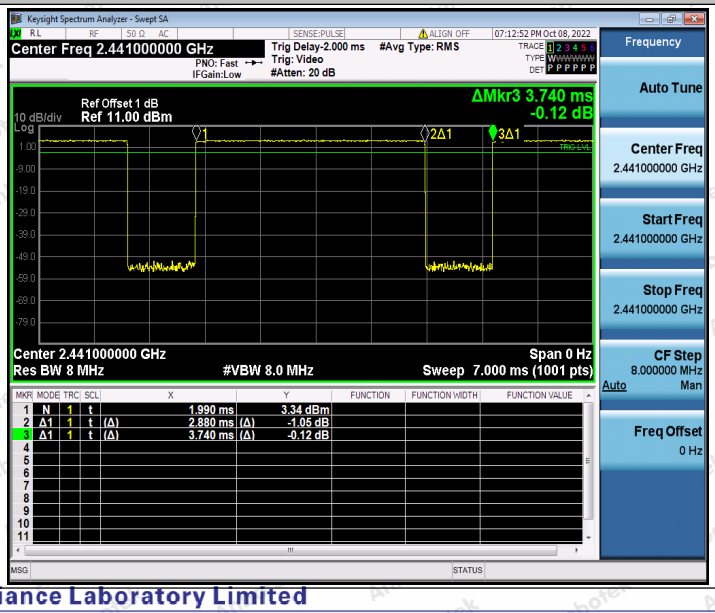

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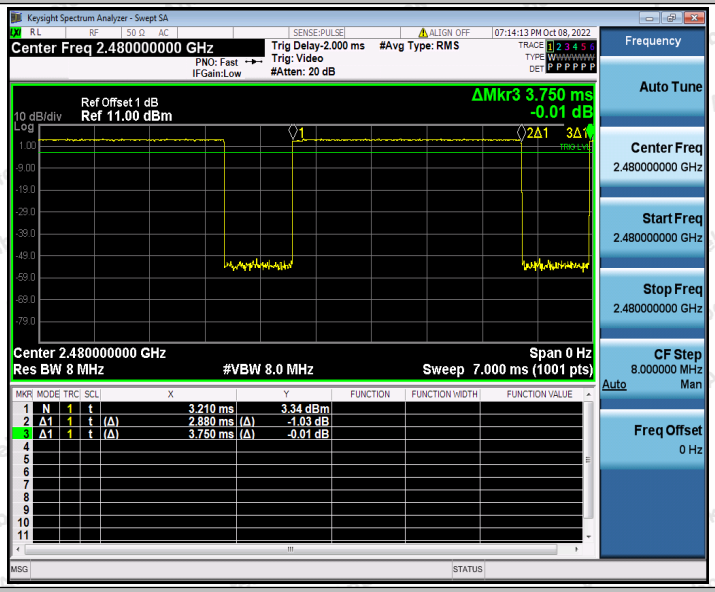

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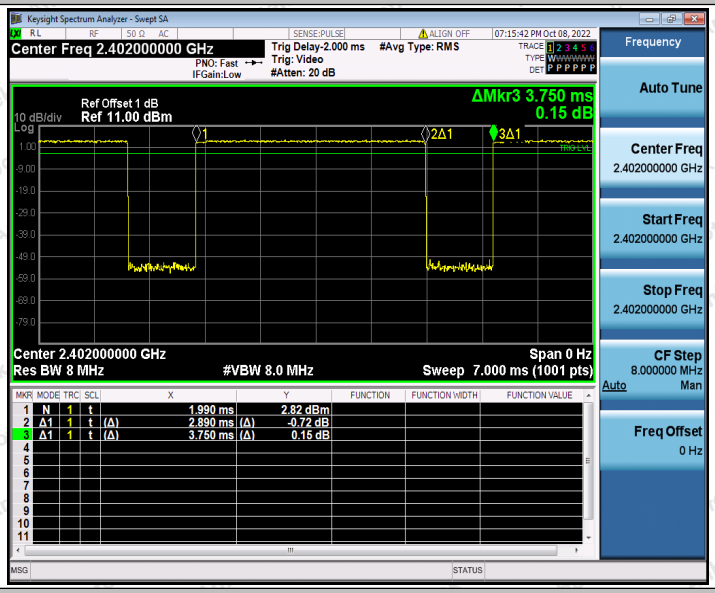

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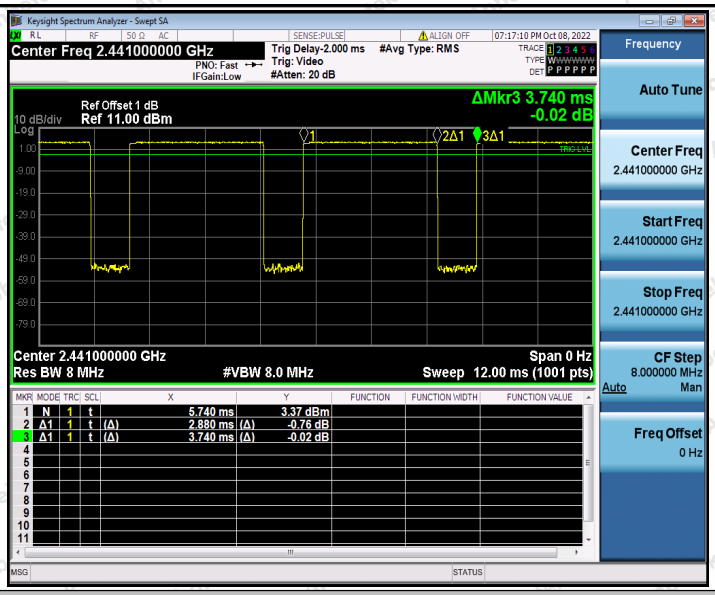

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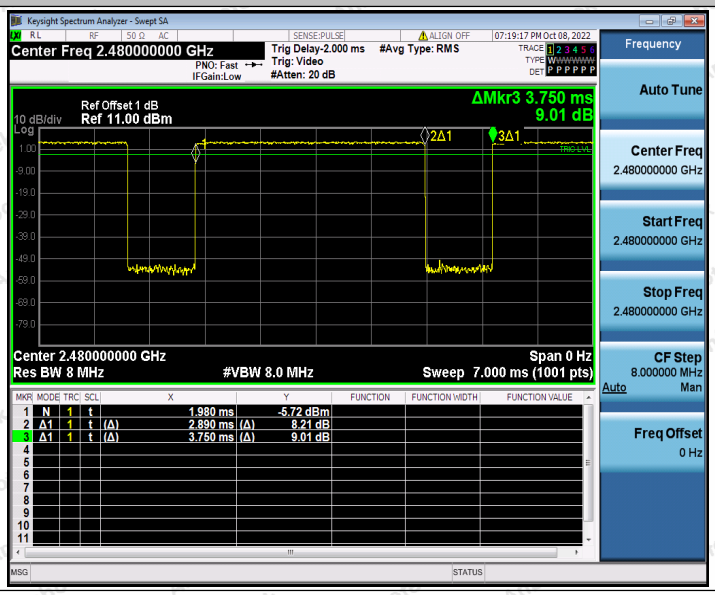

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