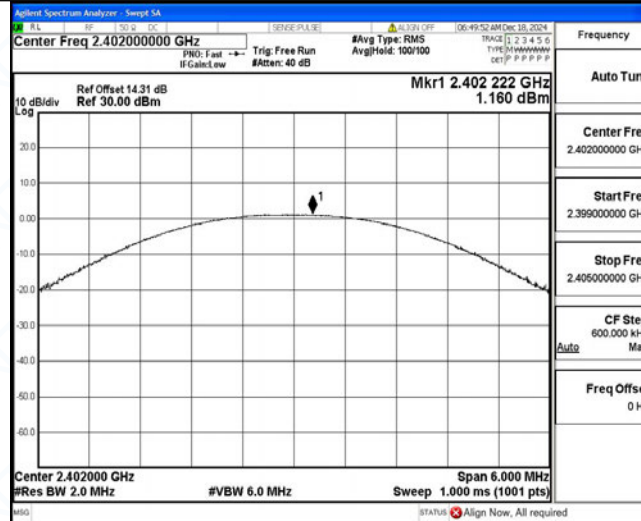


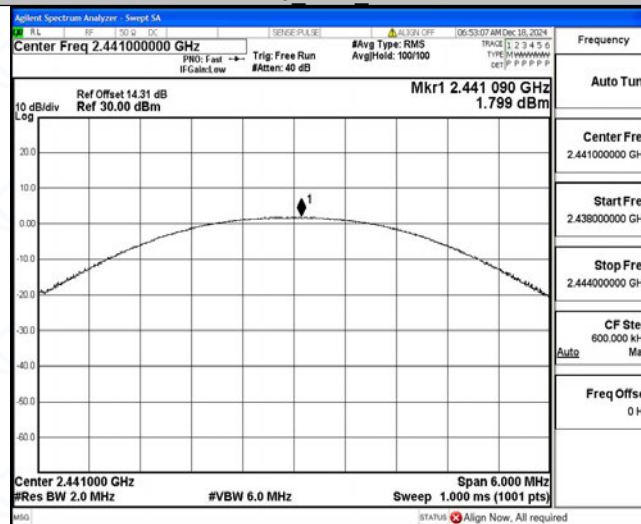


Right:

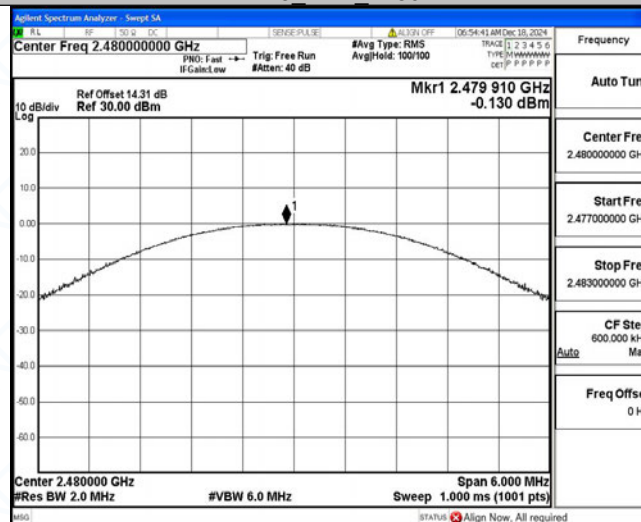
DH5_Ant1_2402



DH5_Ant1_2441

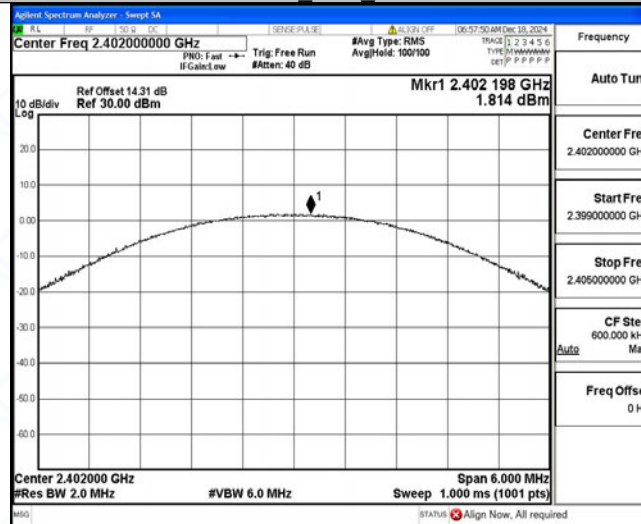


DH5_Ant1_2480

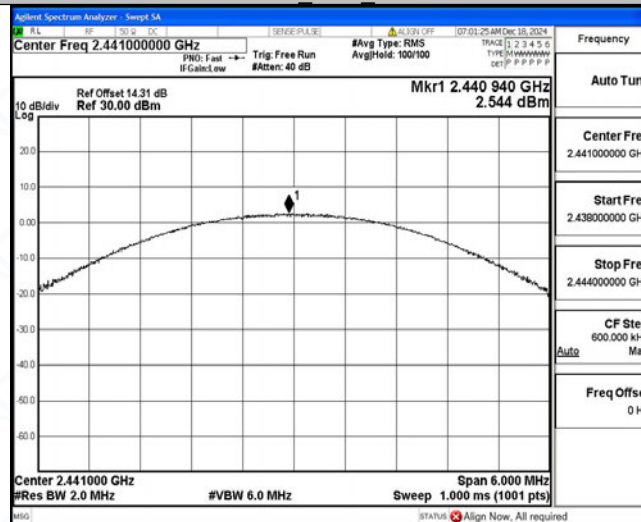




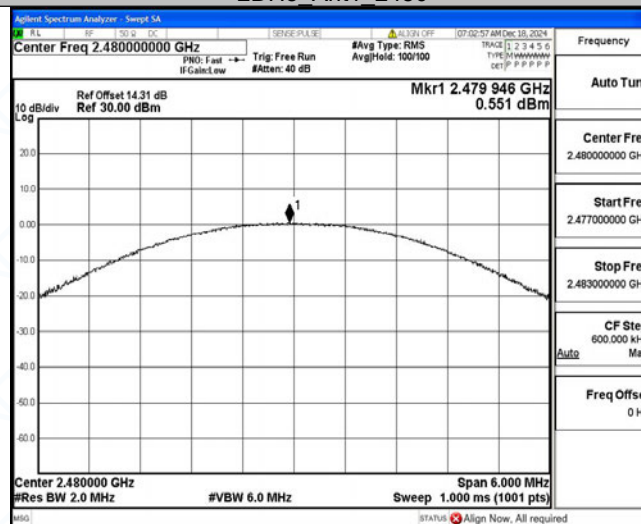
2DH5_Ant1_2402



2DH5_Ant1_2441

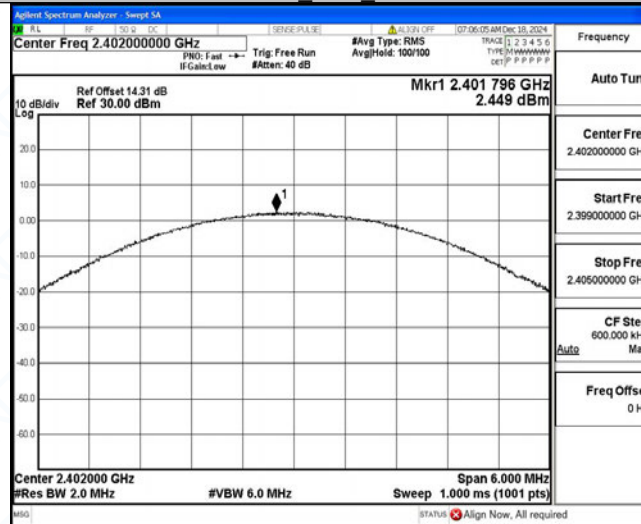


2DH5_Ant1_2480

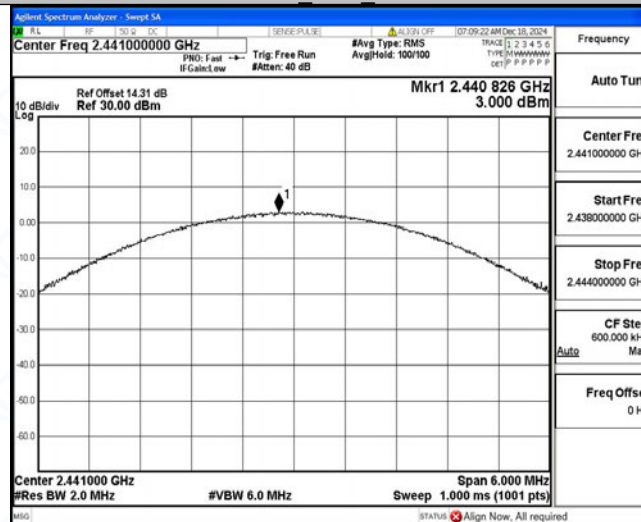




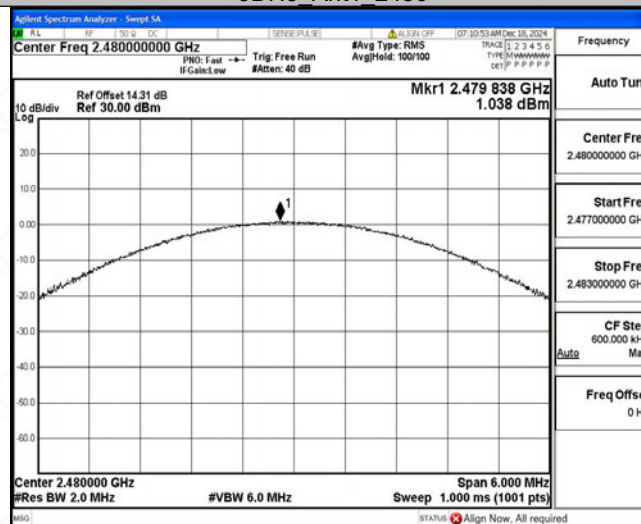
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





Appendix C: Carrier frequency separation

Test Result

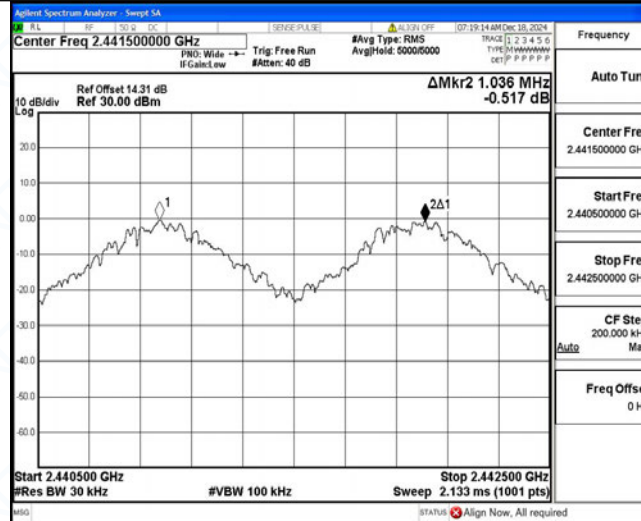
Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.036	≥0.963	PASS
2DH5	Ant1	Hop	1.148	≥0.888	PASS
3DH5	Ant1	Hop	1.002	≥0.876	PASS

Note:The right earphone is the worst case, only the worst case are reported.

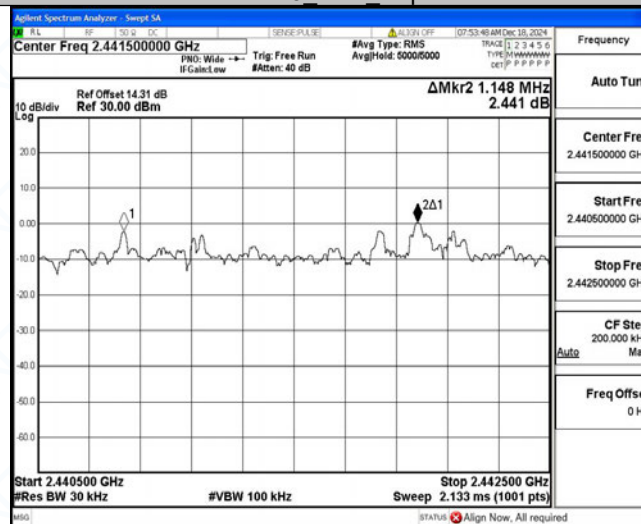


Test Graphs

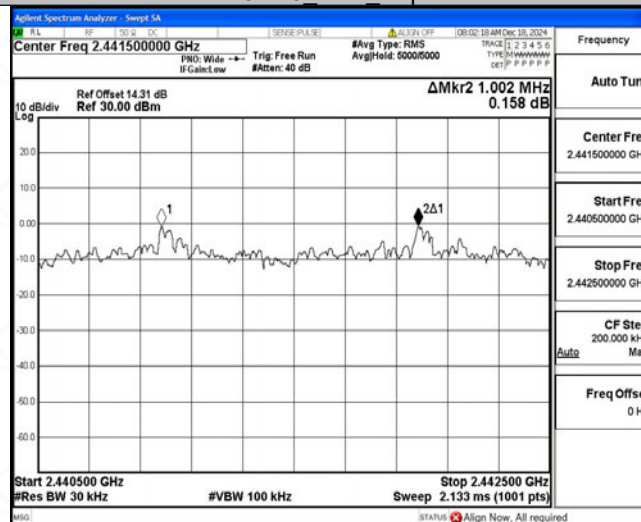
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





Appendix D: Dwell Time

Test Result

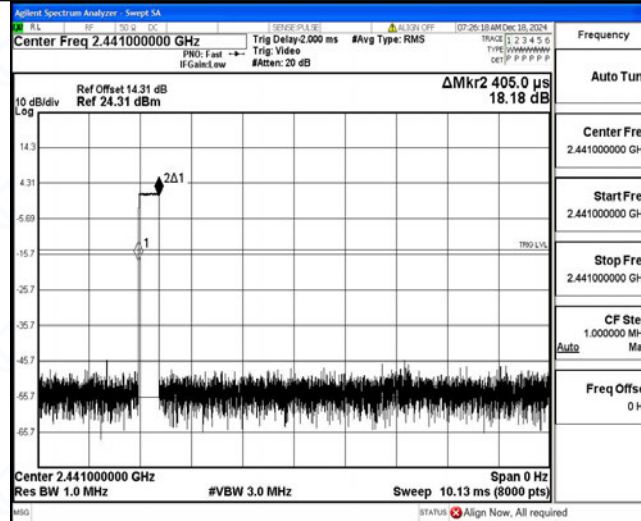
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	320	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.661	160	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.910	106.67	0.31	≤0.4	PASS
2DH1	Ant1	Hop	0.415	320	0.133	≤0.4	PASS
2DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.915	106.67	0.311	≤0.4	PASS
3DH1	Ant1	Hop	0.417	320	0.133	≤0.4	PASS
3DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS
3DH5	Ant1	Hop	2.918	106.67	0.311	≤0.4	PASS

Note:The right earphone is the worst case, only the worst case are reported.

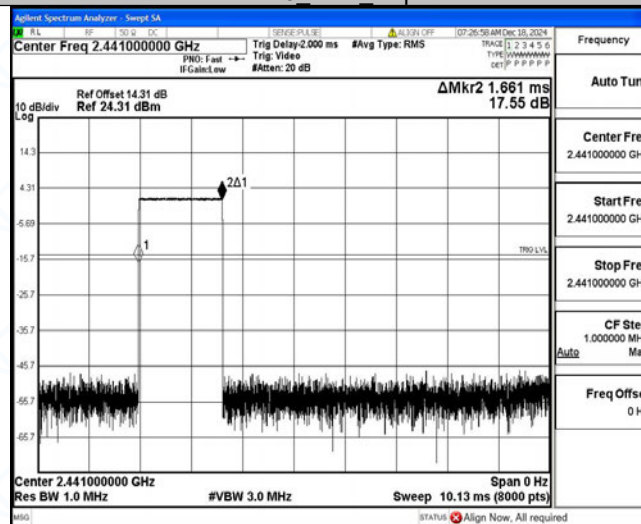


Test Graphs

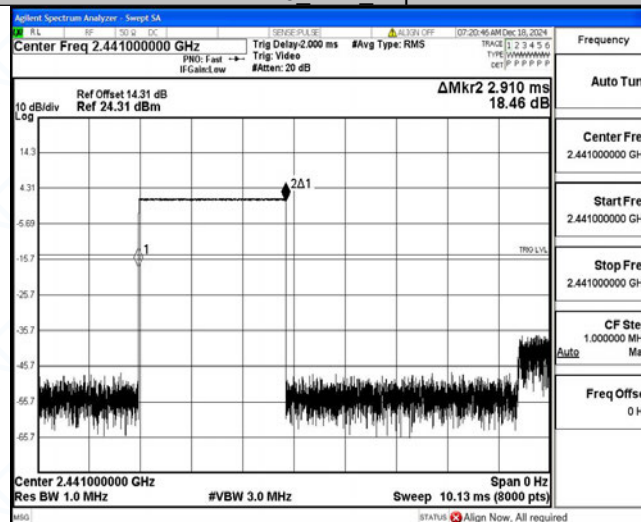
DH1_Ant1_Hop



DH3_Ant1_Hop



DH5_Ant1_Hop





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Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

07:56:35.481 Dec 18, 2014

TIME [2.345.6]

TYPE [WWWWWW]

SIZE [PPPPPP]

PRF: 1 and

IF Gain: 1, low

#Atten: 20 dB

Ref Offset: 14.31 dB

Ref 24.31 dBm

ΔMkr2 415.0 μs

14.96 dB

10 dBdiv

Log

14.3

4.31

24.1

1

15.7

25.7

35.7

45.7

55.7

65.7

TRF LVL

Center Freq 2.441000000 GHz

Start Freq 2.441000000 GHz

Stop Freq 2.441000000 GHz

CF Span 1.000000 MHz

Auto M

Freq Offset 0

Center 2.441000000 GHz

Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 10.13 ms (8000 pts)

Span 0 Hz

MSG

STATUS Align Now, All required



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Agilent Spectrum Analyzer - Sweep 5A

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

PRO: F aut IF Gain: 0w #Atten: 20 dB

Ref Offset: 14.31 dB Ref 24.31 dBm

ΔMkr2 417.0 μs 16.56 dB

10 dBdiv Log

2d1

1

TRIG LVL

Center 2.441000000 GHz

Res BW 1.0 MHz #VBW 3.0 MHz

Span 0 Hz

Sweep 10.13 ms (8000 pts)

STATUS Align Now. All required

Agilent Spectrum Analyzer - Screenshot

Signal: 2.441 GHz, Span: 3.0 MHz, Center Freq: 2.441000000 GHz

Settings: Ref Offset: 14.31 dB, Ref: 24.31 dBm, DMkr2: 1.667 ms, 15.79 dB

Scale: 10 dB/div

Signal Level: -4.31 dBm (Peak), -65.7 dBm (Noise Floor)

Resolution: Res BW 1.0 MHz, Span BW 3.0 MHz, Sweep 10.13 ms (8000 pts)

Display: Center Freq 2.441000000 GHz, Start Freq 2.441000000 GHz, Stop Freq 2.441000000 GHz, CF Step 1.000000 MHz, Auto, Freq Offset 0 Hz

[illegible]



Appendix F: Number of hopping channels

Test Result

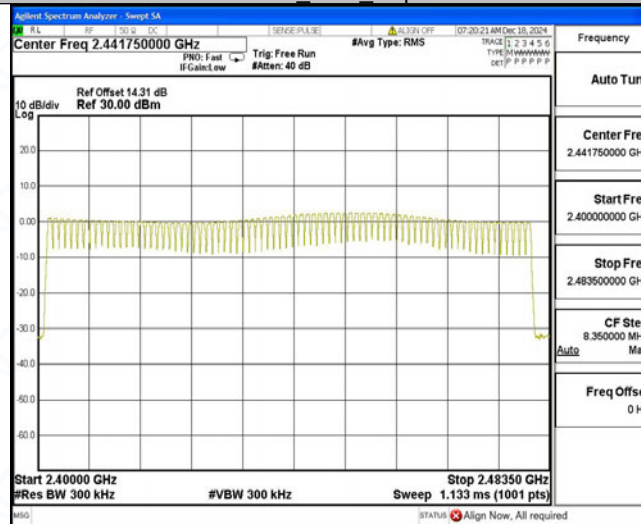
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Note:The right earphone is the worst case, only the worst case are reported.

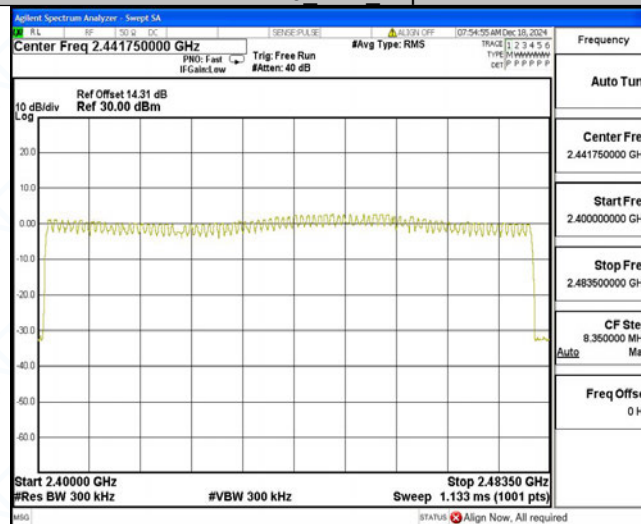


Test Graphs

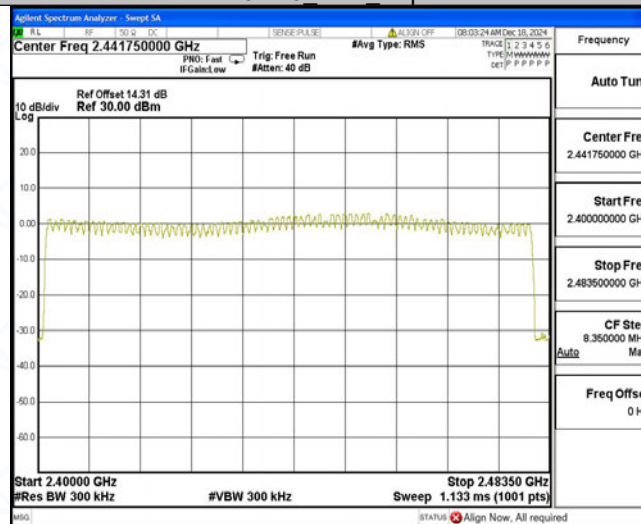
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





Appendix F: Band edge measurements

Test Result

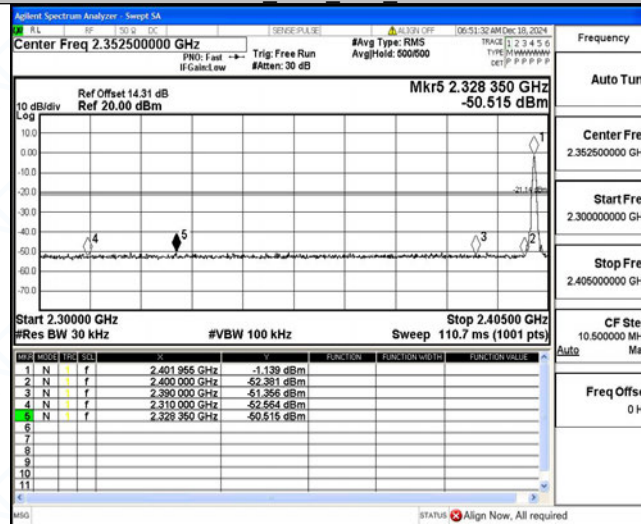
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.14	-50.52	≤-21.14	PASS
		High	2480	-3.02	-50.21	≤-23.02	PASS
		Low Hop_2402		-2.58	-50.8	≤-22.58	PASS
		High Hop_2480		-3.17	-50.08	≤-23.17	PASS
2DH5	Ant1	Low	2402	-1.07	-50.32	≤-21.07	PASS
		High	2480	-4.88	-50.33	≤-24.88	PASS
		Low Hop_2402		-7.71	-50.87	≤-27.71	PASS
		High Hop_2480		-2.22	-48.82	≤-22.22	PASS
3DH5	Ant1	Low	2402	-1.03	-50.6	≤-21.03	PASS
		High	2480	-2.42	-49.51	≤-22.42	PASS
		Low Hop_2402		-1.59	-50.55	≤-21.59	PASS
		High Hop_2480		-3.14	-49.95	≤-23.14	PASS

Note:The right earphone is the worst case, only the worst case are reported.

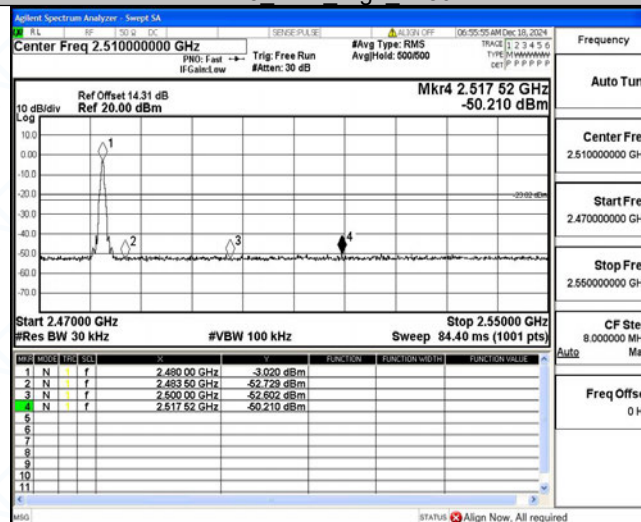


Test Graphs

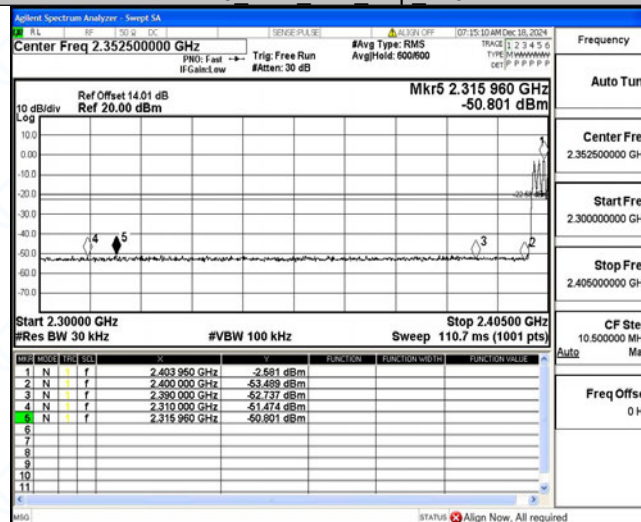
DH5_Ant1_Low_2402



DH5_Ant1_High_2480

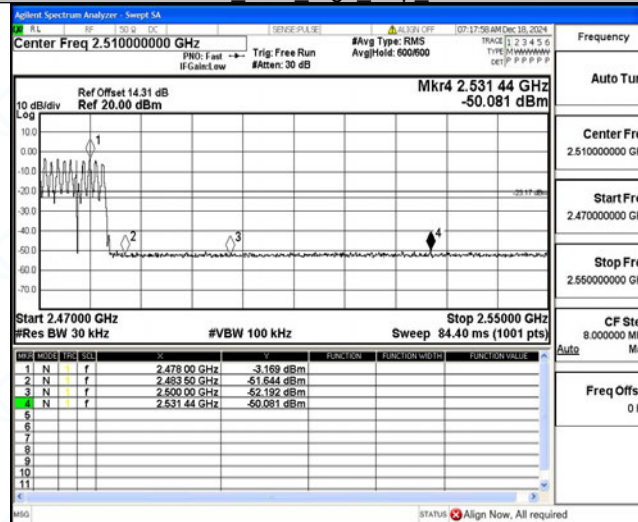


DH5_Ant1_Low_Hop_2402

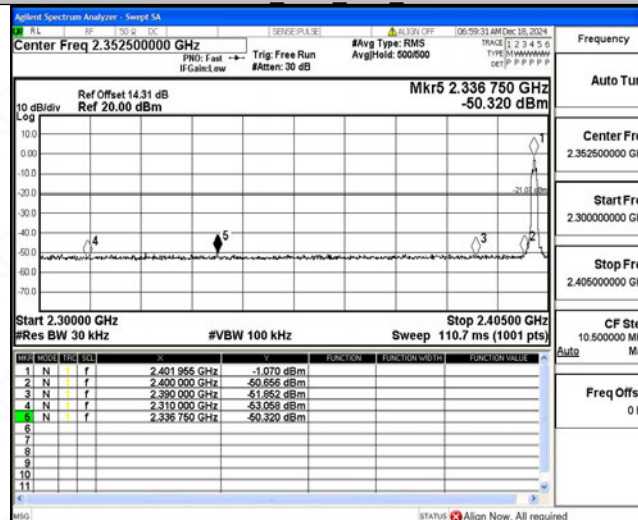




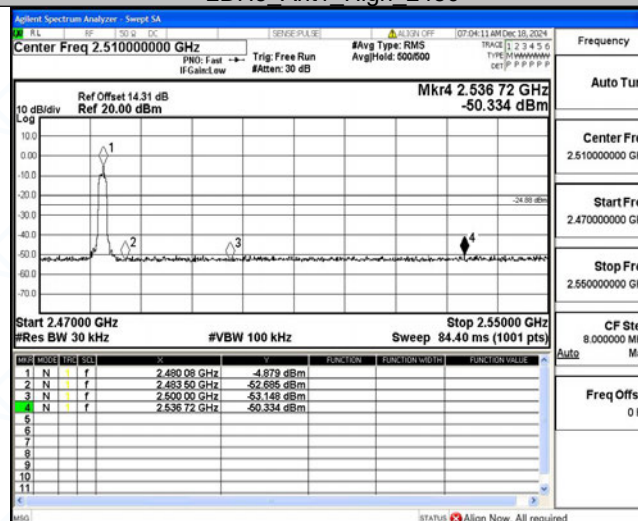
DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

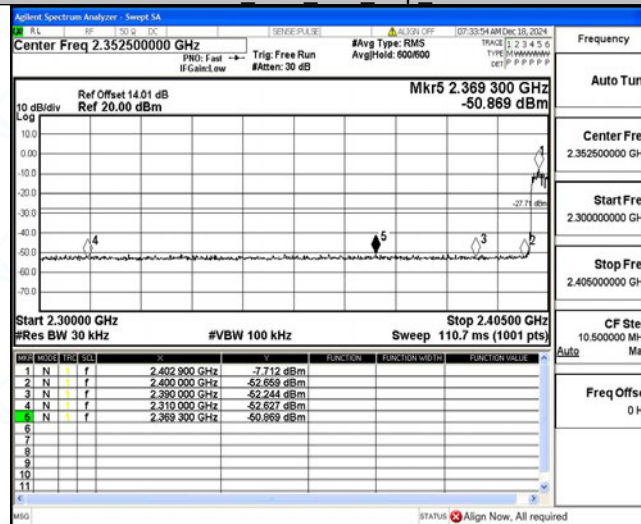


2DH5_Ant1_High_2480

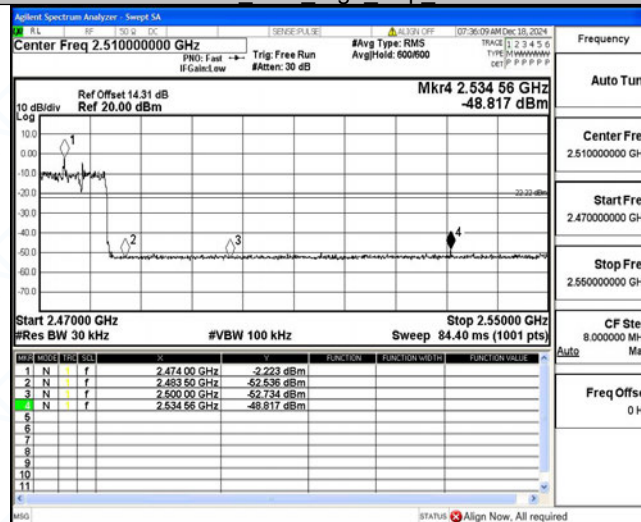




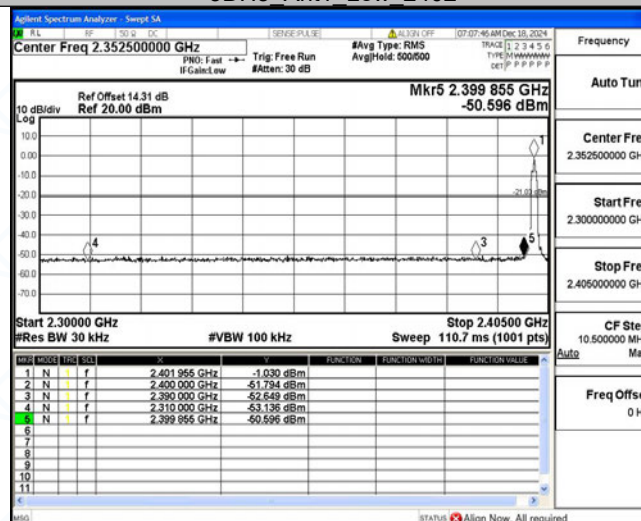
2DH5 Ant1 Low Hop 2402



2DH5 Ant1 High Hop 2480

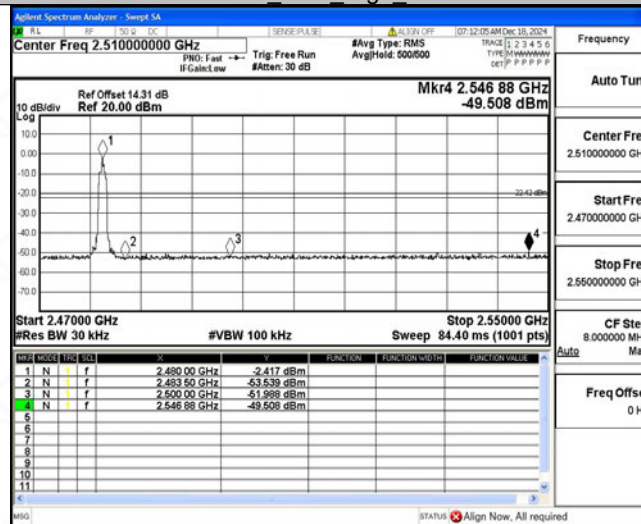


3DH5 Ant1 Low 2402

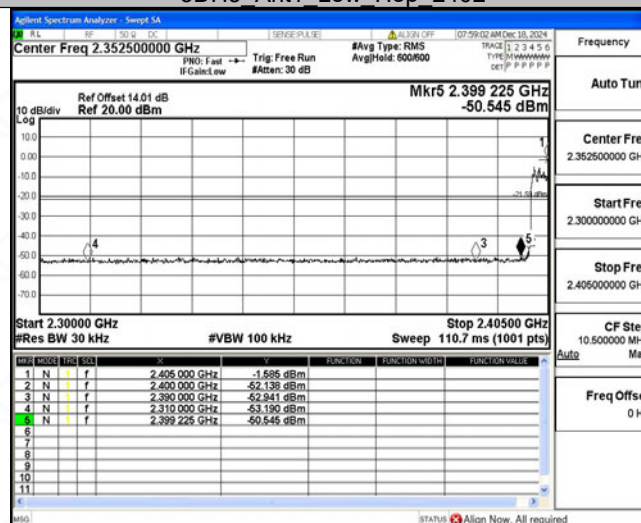




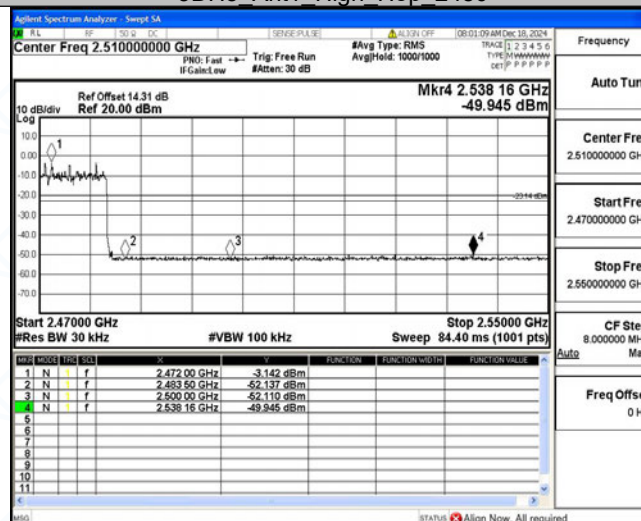
3DH5 Ant1 High 2480



3DH5 Ant1 Low Hop 2402



3DH5 Ant1 High Hop 2480





Appendix F: Conducted Spurious Emission

Test Result

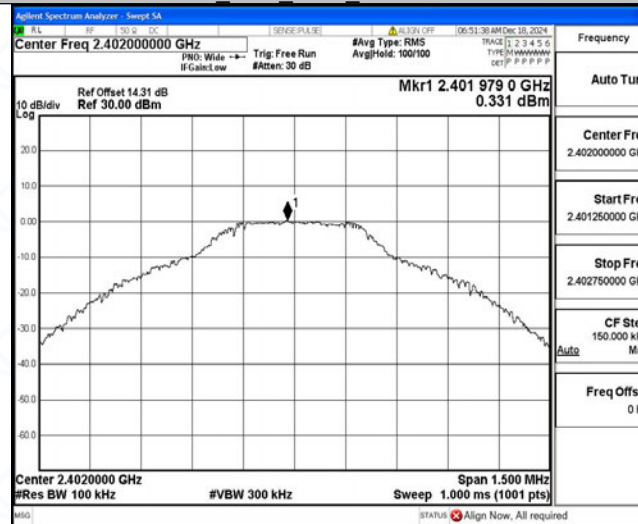
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-56.76	≤ -19.67	PASS
			1000~26500	0.33	-47.65	≤ -19.67	PASS
		2441	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-56.67	≤ -18.83	PASS
			1000~26500	1.17	-47.18	≤ -18.83	PASS
		2480	Reference	-0.81	-0.81	---	PASS
			30~1000	-0.81	-57.29	≤ -20.81	PASS
			1000~26500	-0.81	-44.48	≤ -20.81	PASS
2DH5	Ant1	2402	Reference	0.54	0.54	---	PASS
			30~1000	0.54	-57.23	≤ -19.46	PASS
			1000~26500	0.54	-47.75	≤ -19.46	PASS
		2441	Reference	1.30	1.30	---	PASS
			30~1000	1.30	-56.61	≤ -18.7	PASS
			1000~26500	1.30	-46.6	≤ -18.7	PASS
		2480	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-57.74	≤ -20.8	PASS
			1000~26500	-0.80	-47.55	≤ -20.8	PASS
3DH5	Ant1	2402	Reference	-0.05	-0.05	---	PASS
			30~1000	-0.05	-56.9	≤ -20.05	PASS
			1000~26500	-0.05	-47.76	≤ -20.05	PASS
		2441	Reference	1.34	1.34	---	PASS
			30~1000	1.34	-56.77	≤ -18.66	PASS
			1000~26500	1.34	-47.01	≤ -18.66	PASS
		2480	Reference	-1.40	-1.40	---	PASS
			30~1000	-1.40	-57.15	≤ -21.4	PASS
			1000~26500	-1.40	-46.55	≤ -21.4	PASS

Note: The right earphone is the worst case, only the worst case are reported.

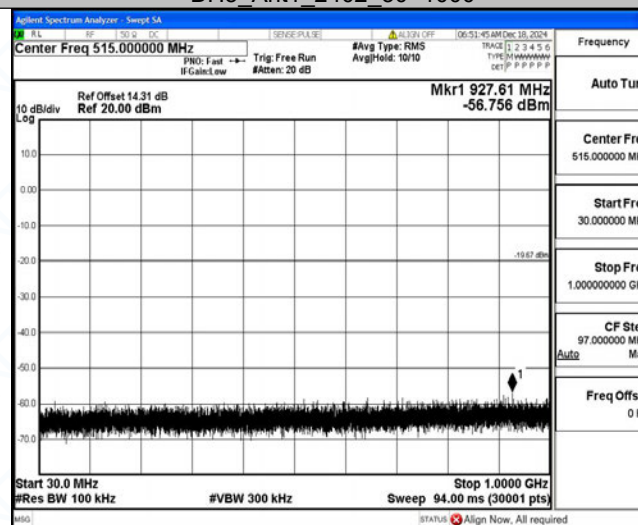


Test Graphs

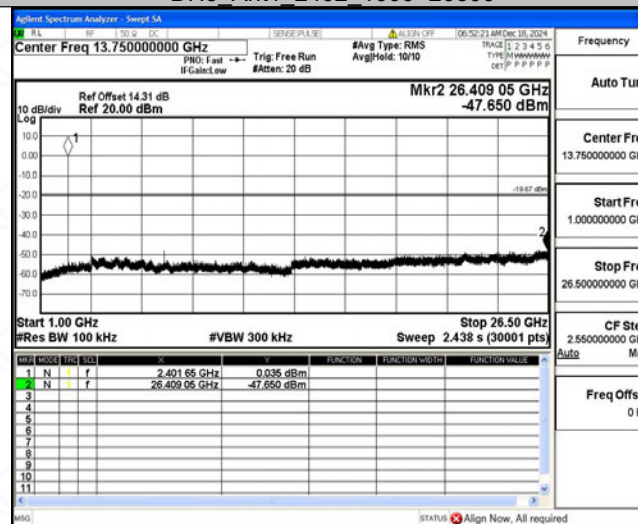
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000

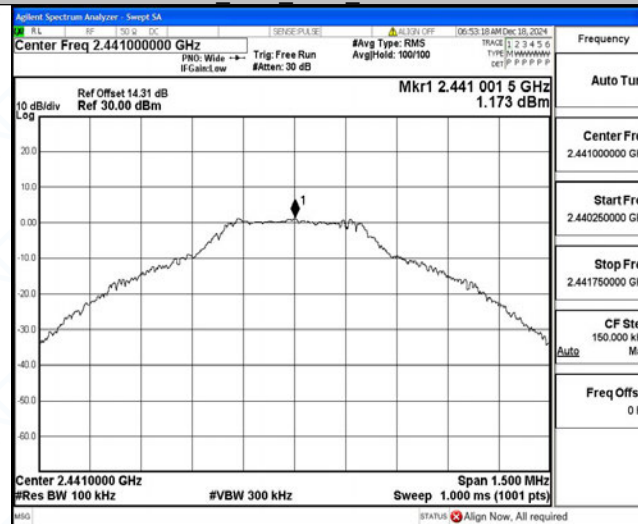


DH5_Ant1_2402_1000~26500

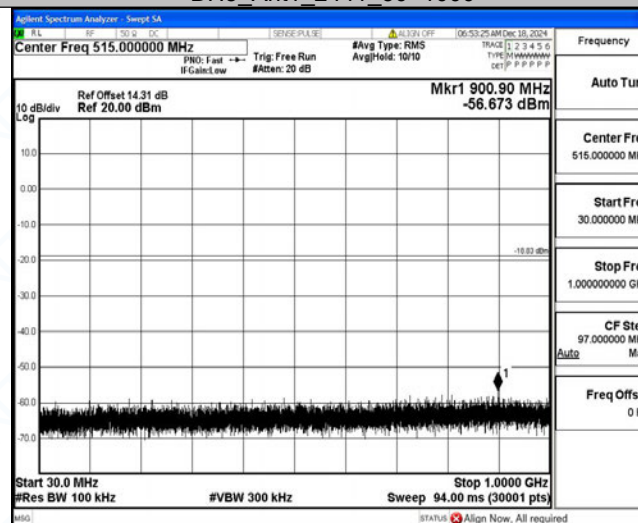




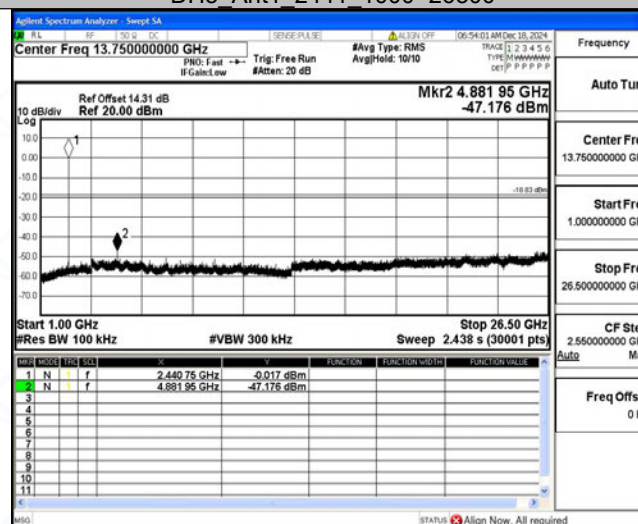
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

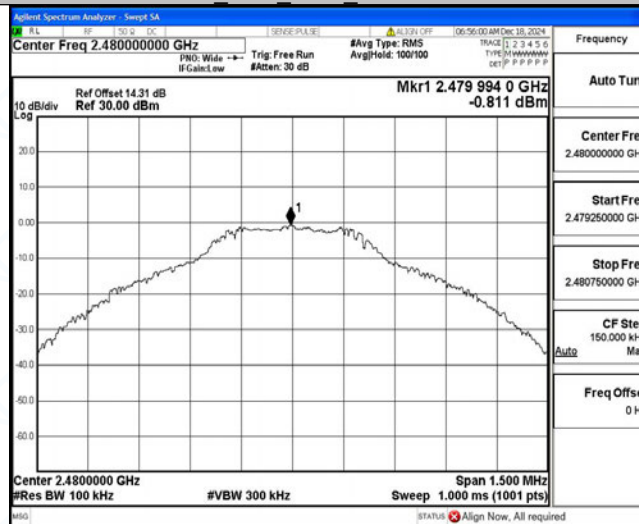


DH5_Ant1_2441_1000~26500

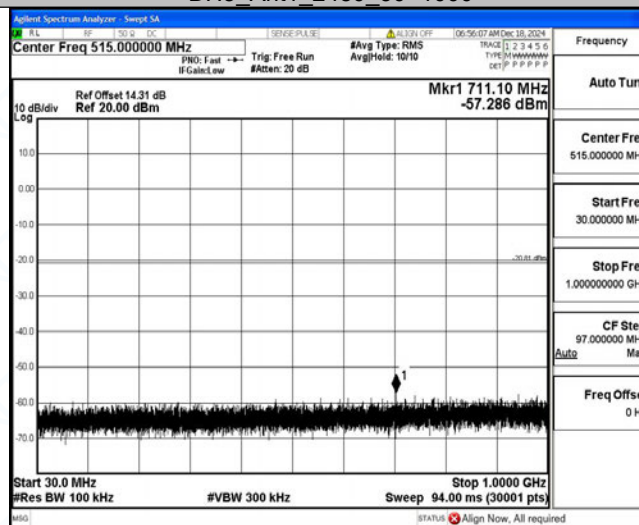




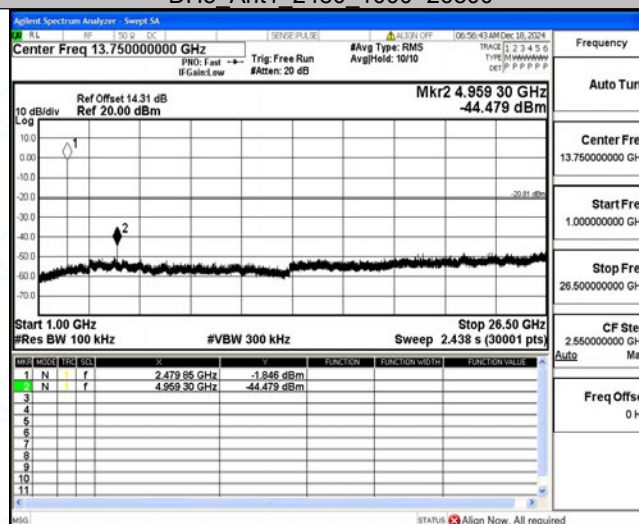
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

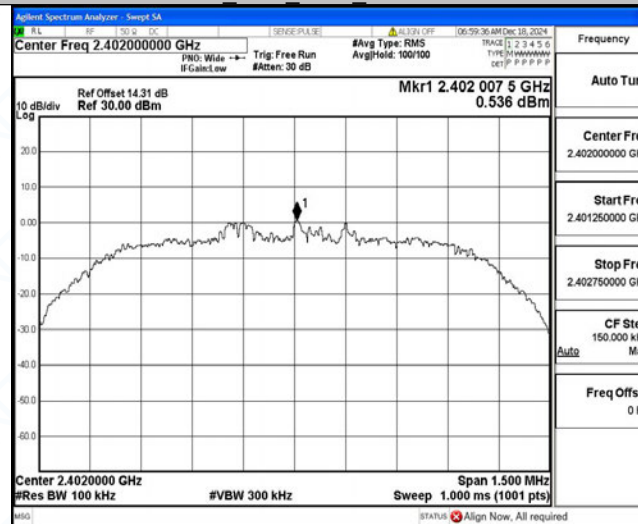


DH5_Ant1_2480_1000~26500

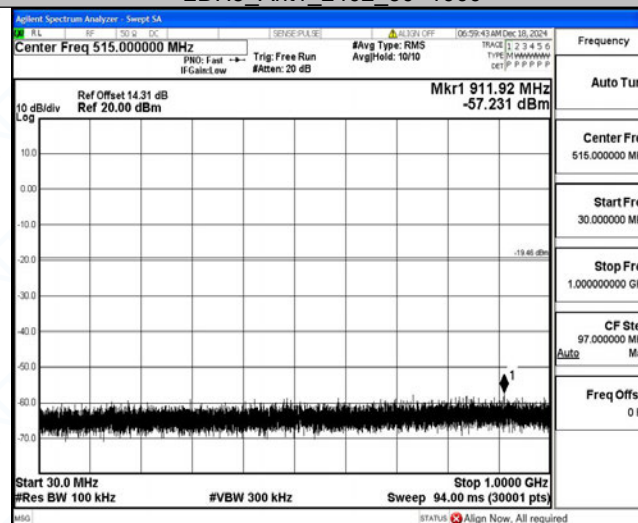




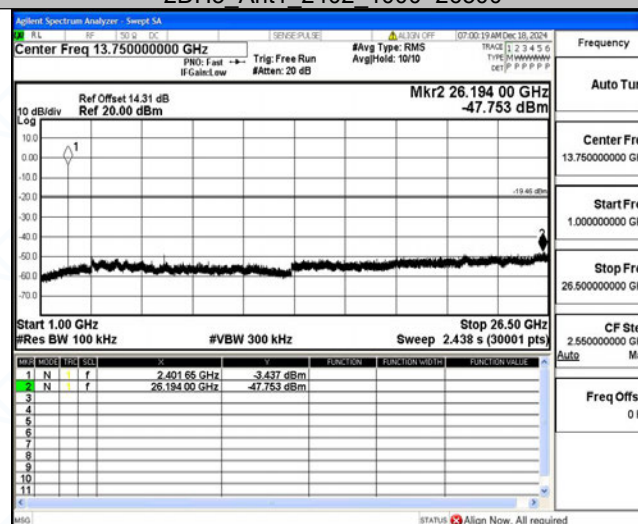
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000

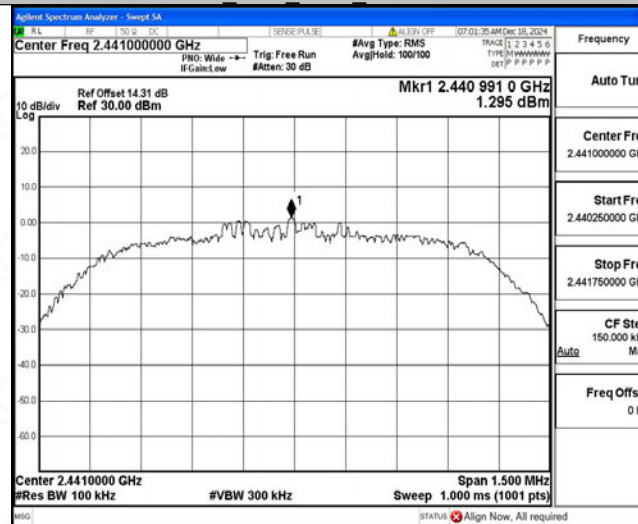


2DH5_Ant1_2402_1000~26500

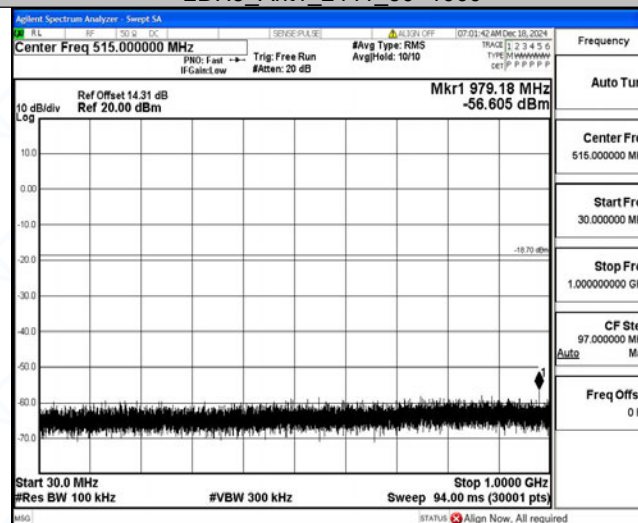




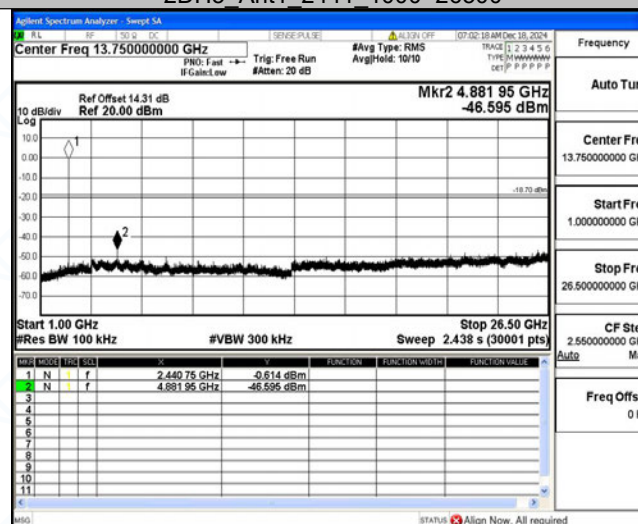
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

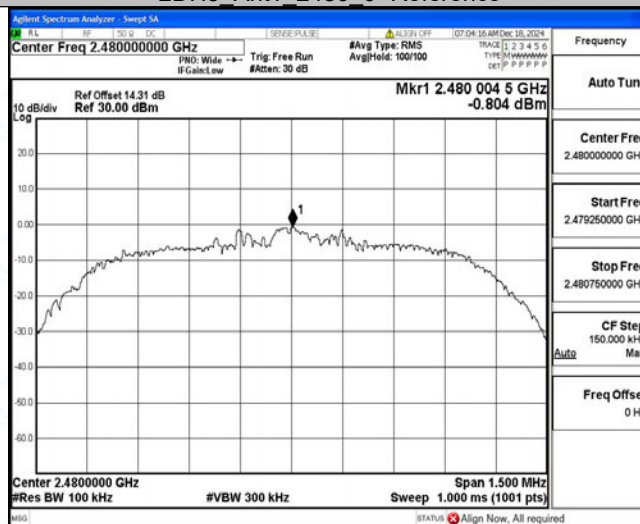


2DH5_Ant1_2441_1000~26500

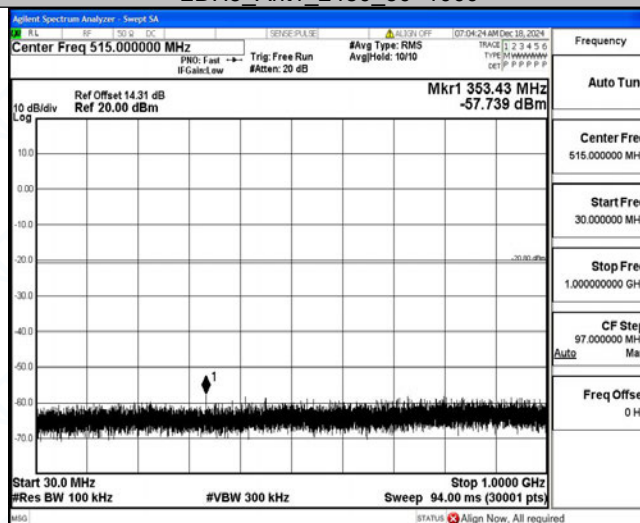




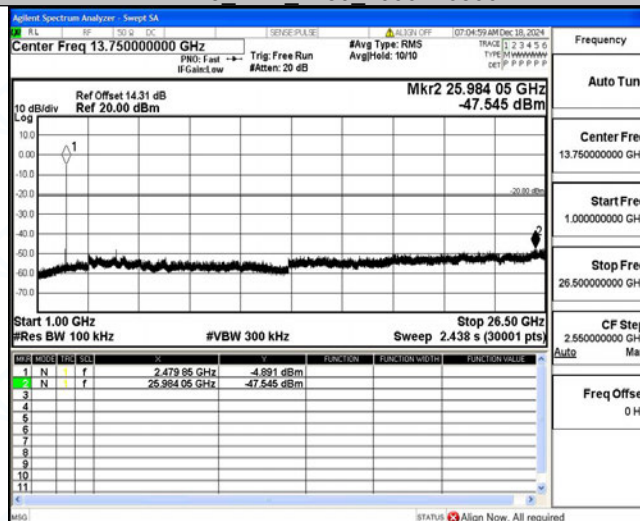
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000

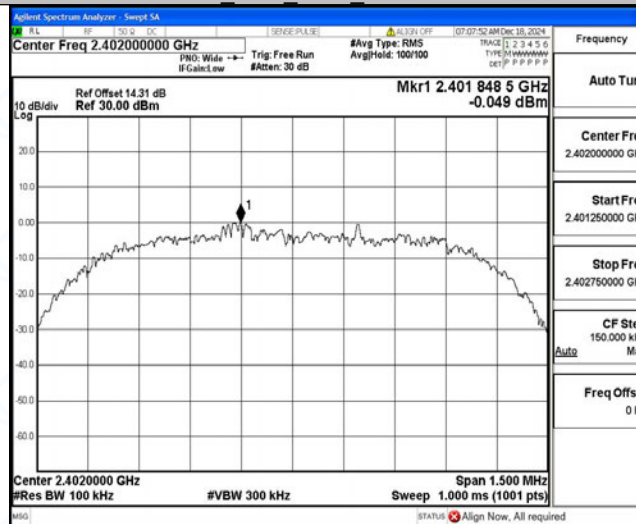


2DH5_Ant1_2480_1000~26500

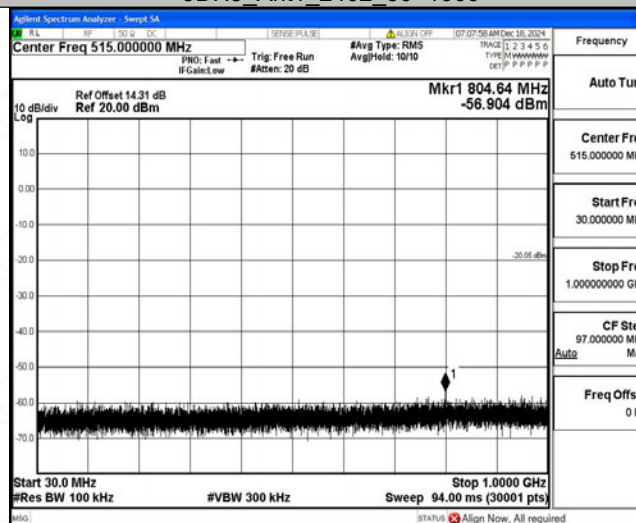




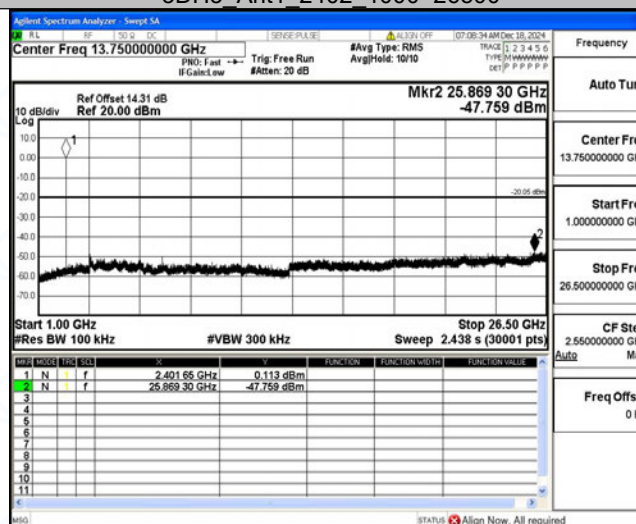
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000

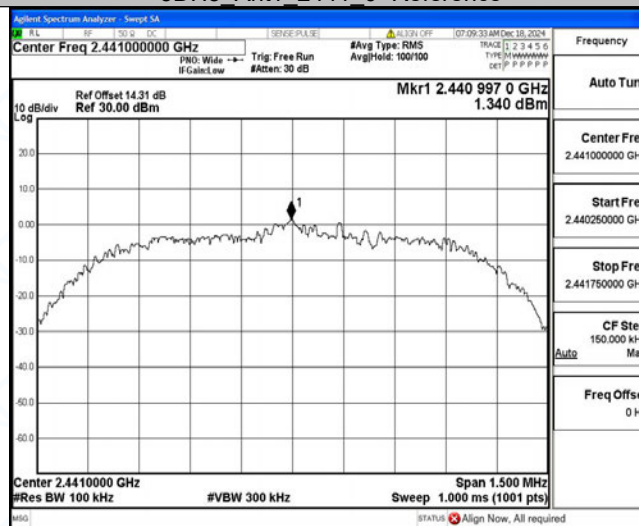


3DH5_Ant1_2402_1000~26500

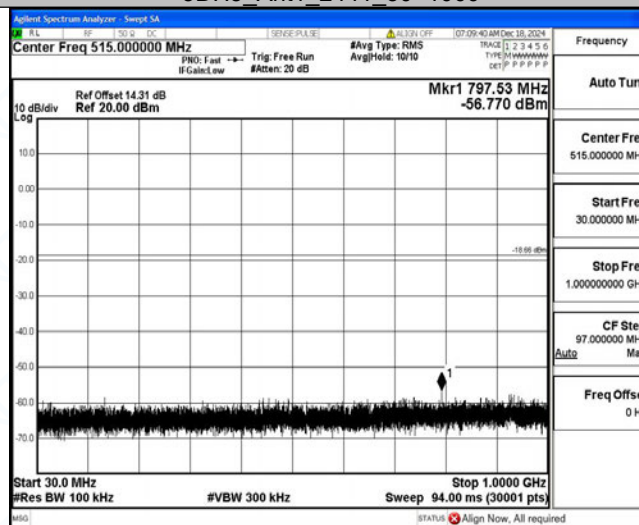




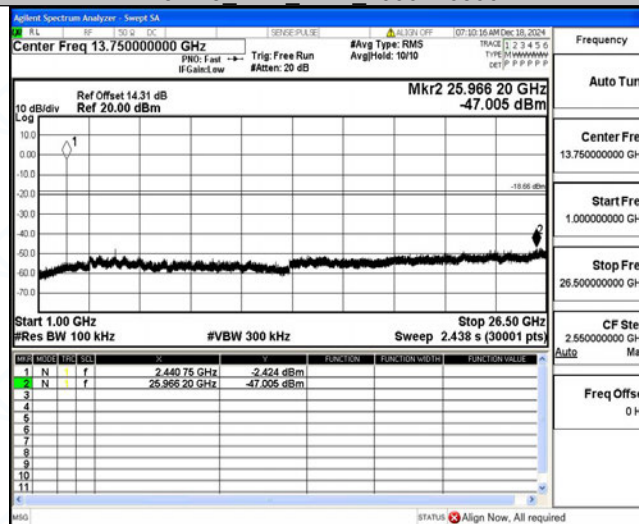
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000

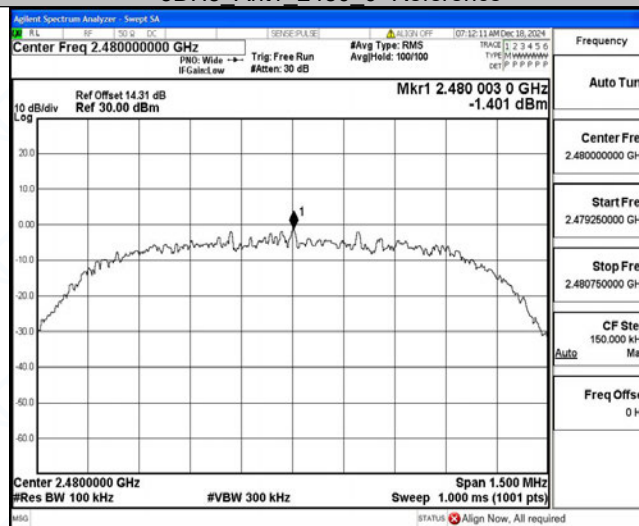


3DH5_Ant1_2441_1000~26500

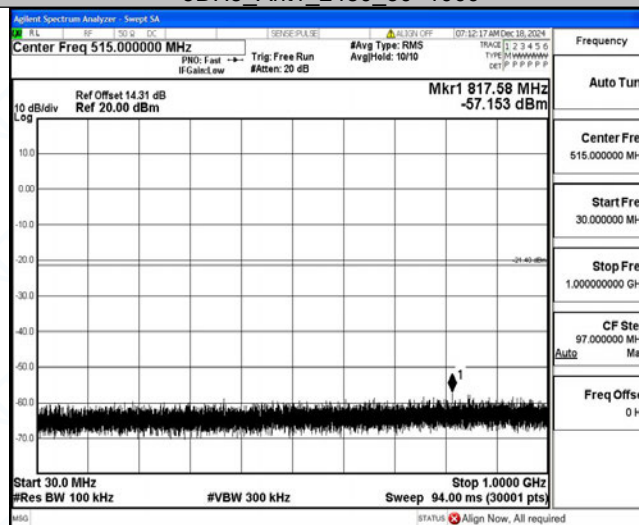




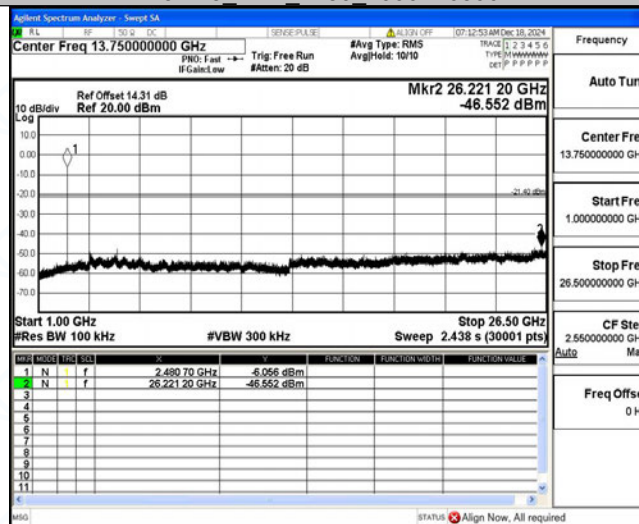
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



The End Report

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