

FCC Appendix RF Test Data for BT

FCC ID : 2BSCX-L5

Company : ShenZhen Glasse Technology Co.,Ltd.

EUT : Bone Conduction Headset

Model Number : L5

Report No. : CTA25112803301

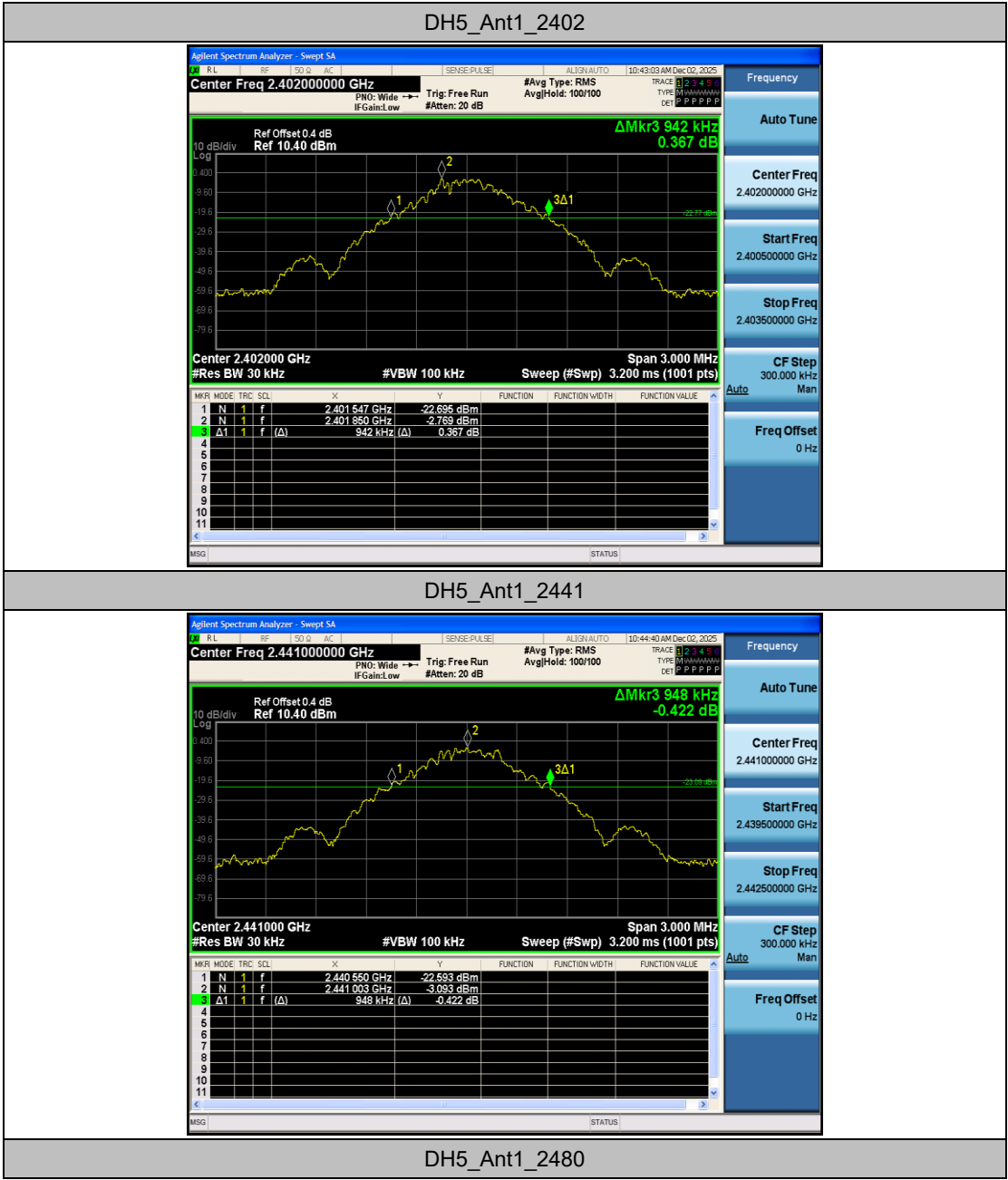
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.547	2402.489	---	---
		2441	0.948	2440.550	2441.498	---	---
		2480	0.936	2479.553	2480.489	---	---
2DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.275	2440.382	2441.657	---	---
		2480	1.275	2479.382	2480.657	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

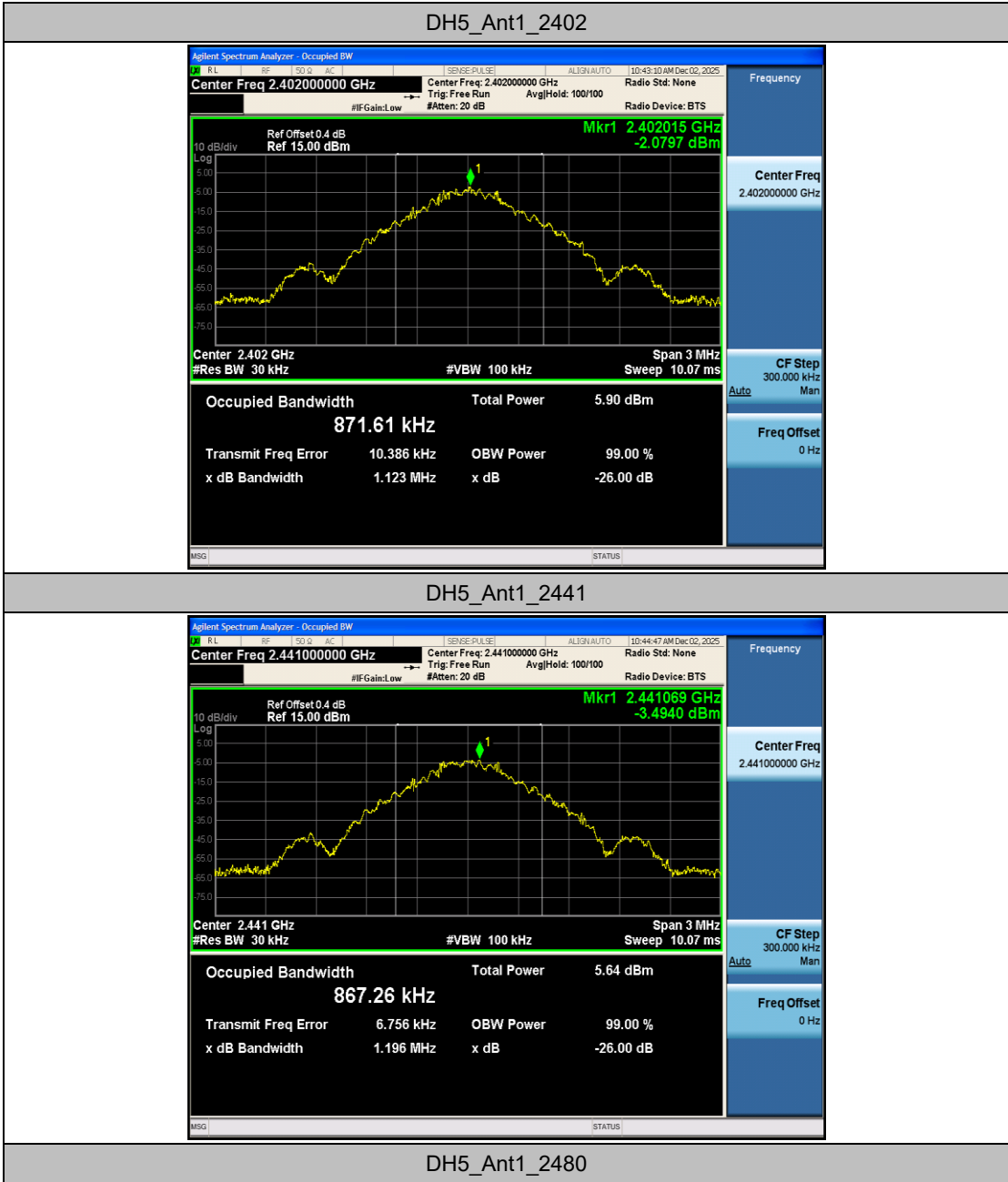


Appendix B: Occupied Channel Bandwidth

Test Result

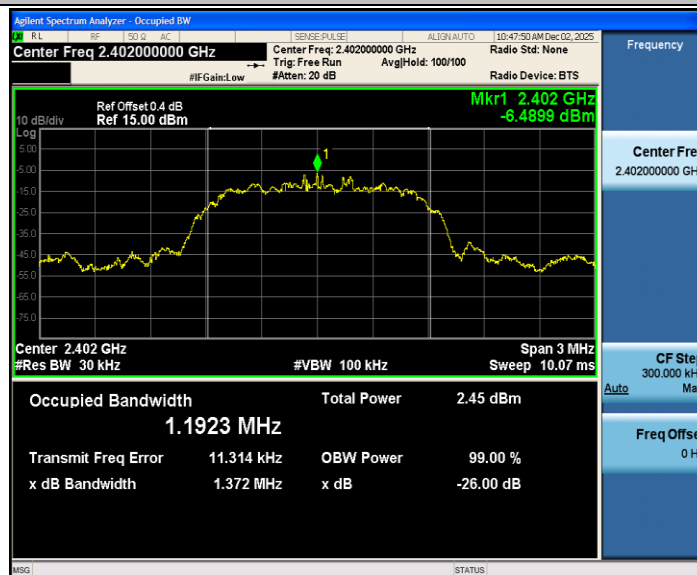
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87161	2401.5746	2402.4462	---	---
		2441	0.86726	2440.5731	2441.4404	---	---
		2480	0.86724	2479.5752	2480.4424	---	---
2DH5	Ant1	2402	1.1923	2401.4152	2402.6075	---	---
		2441	1.1868	2440.4166	2441.6034	---	---
		2480	1.1846	2479.4190	2480.6036	---	---

Test Graphs

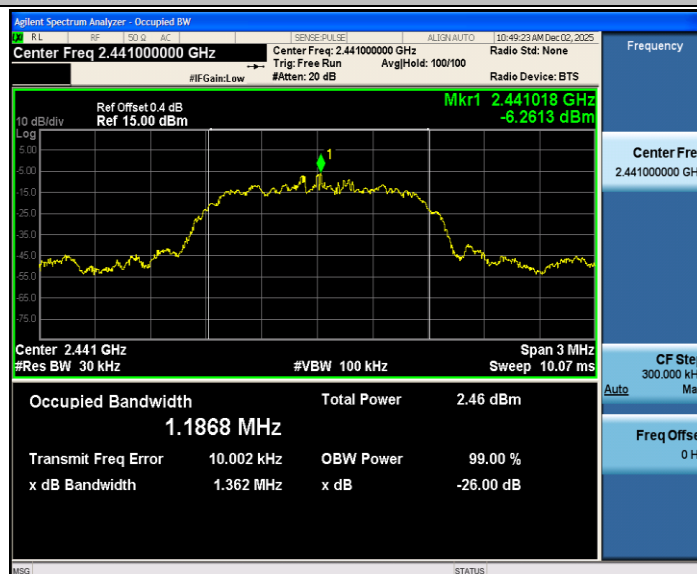




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.03	≤20.97	PASS
		2441	-0.22	≤20.97	PASS
		2480	-0.32	≤20.97	PASS
2DH5	Ant1	2402	-0.83	≤20.97	PASS
		2441	-1.02	≤20.97	PASS
		2480	-1.15	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.988	≥ 0.948	PASS
2DH5	Ant1	Hop	1.056	≥ 0.852	PASS

Test Graphs

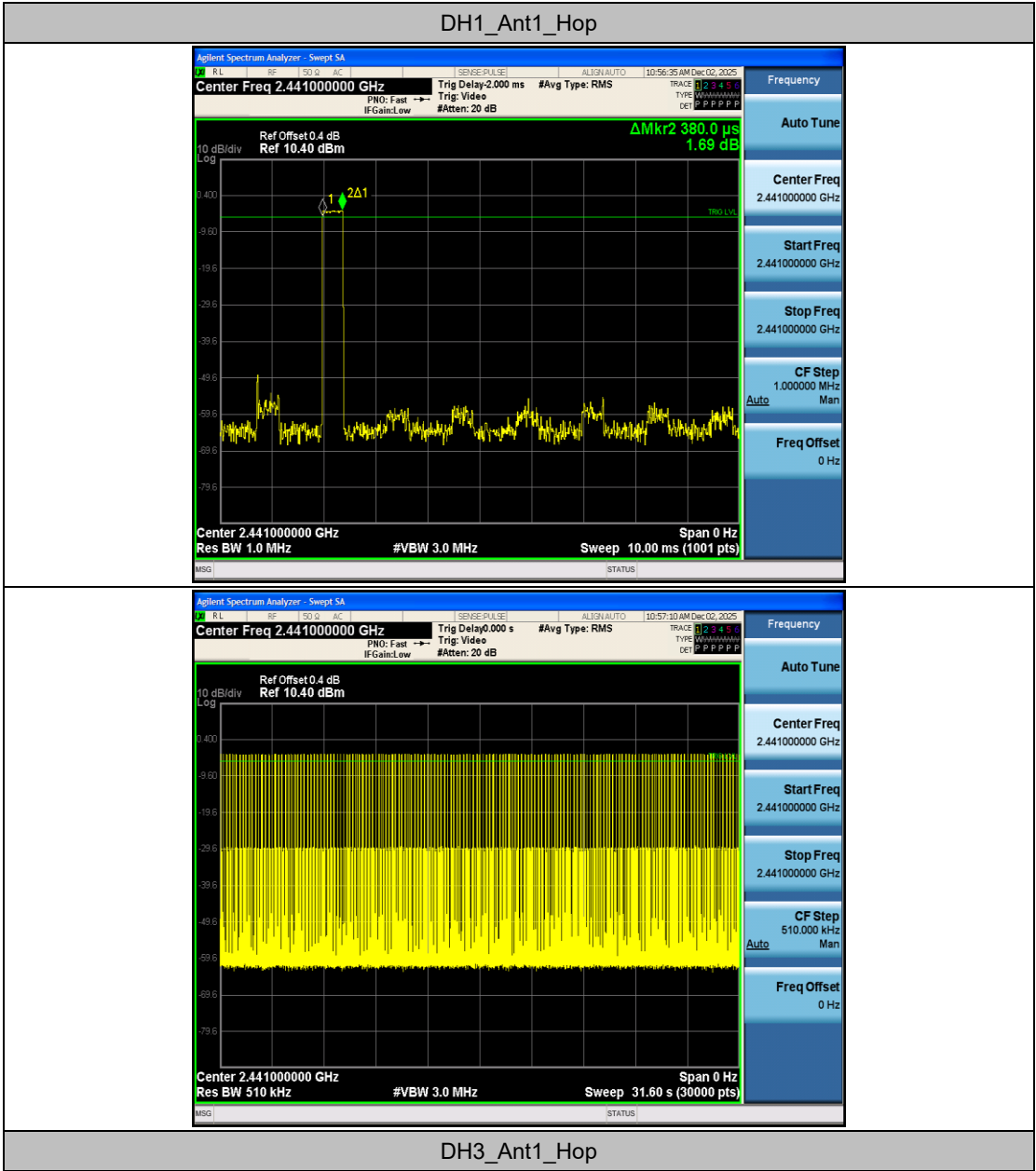


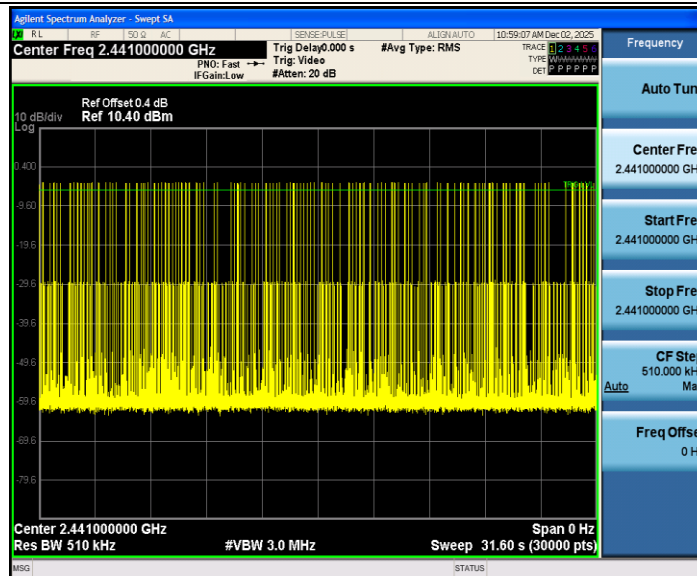
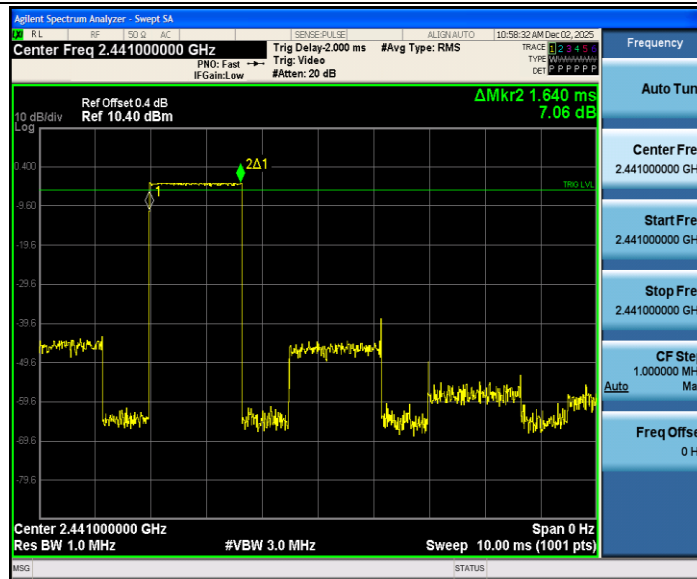
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	315	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.640	164	0.269	≤0.4	PASS
DH5	Ant1	Hop	2.900	105	0.305	≤0.4	PASS
2DH1	Ant1	Hop	0.390	315	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.650	162	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.900	112	0.325	≤0.4	PASS

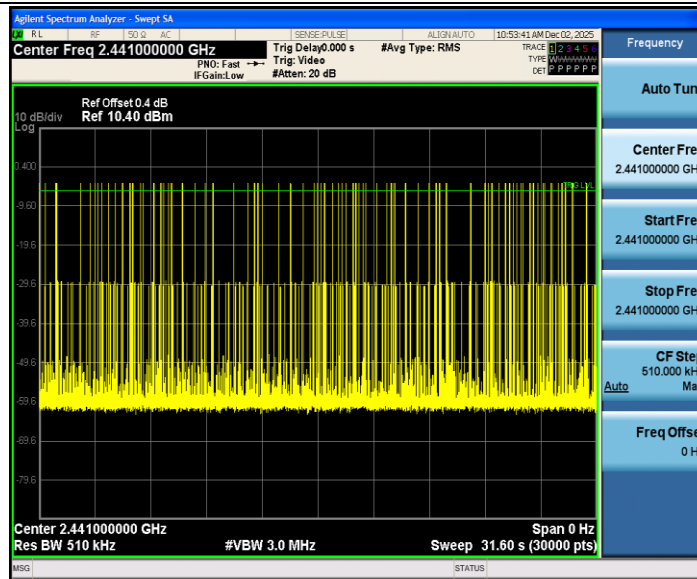
Test Graphs



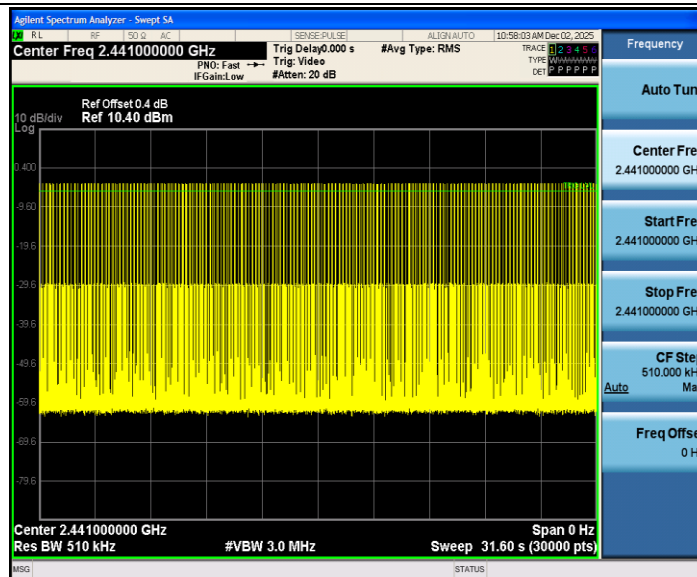
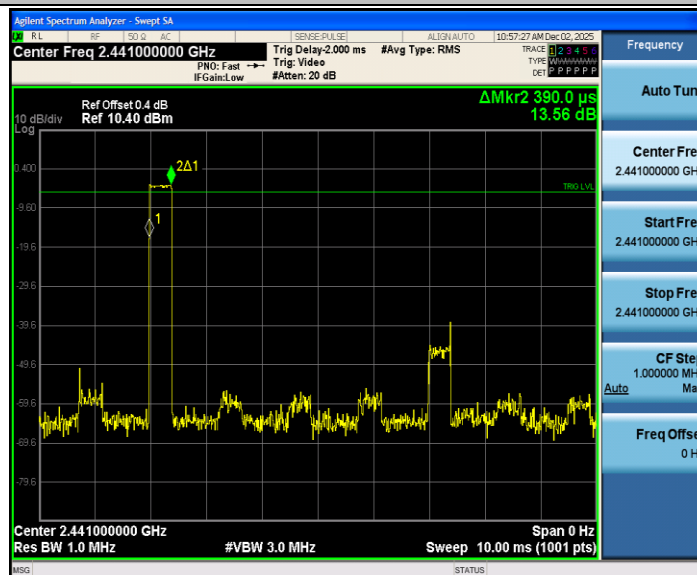


DH5_Ant1_Hop

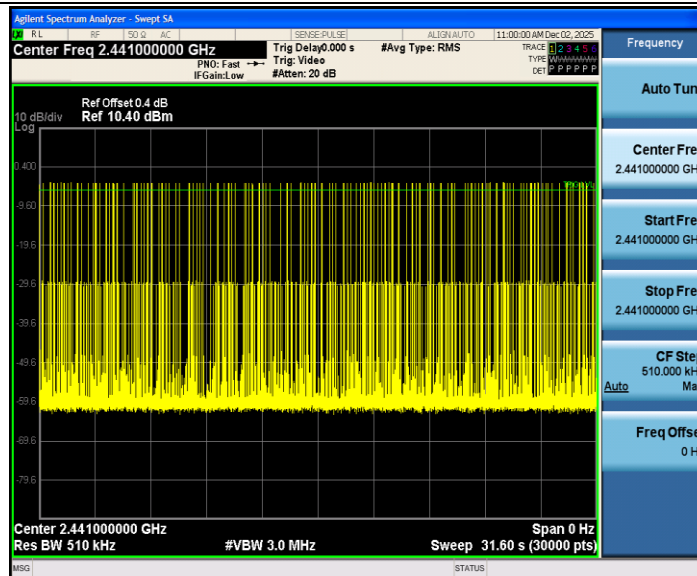




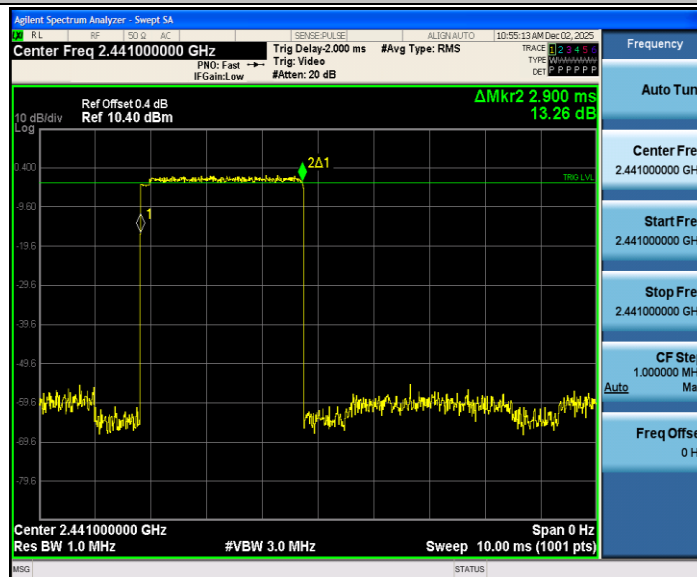
2DH1_Ant1_Hop

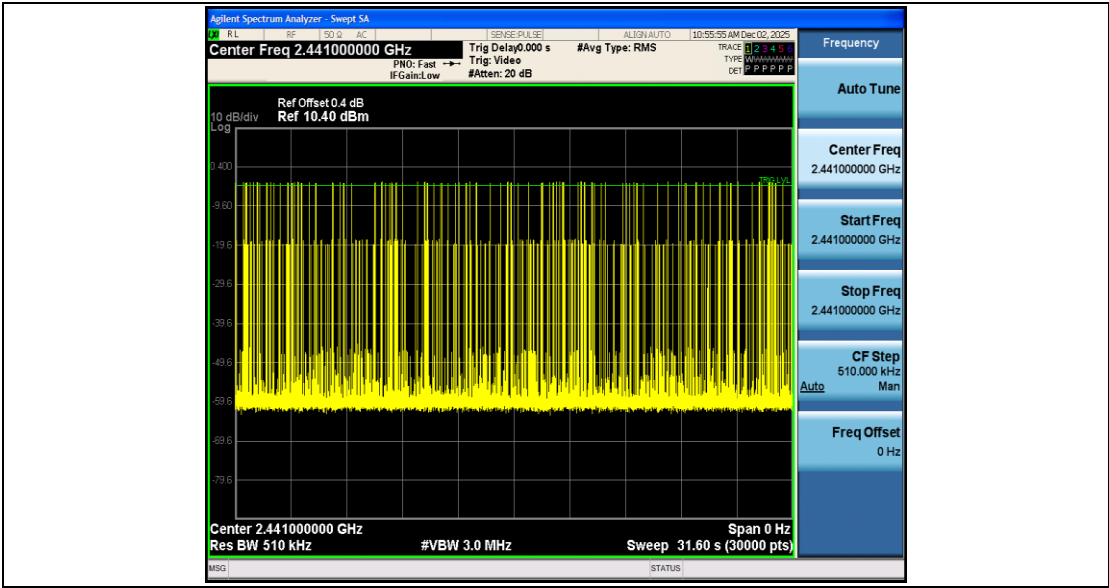


2DH3_Ant1_Hop



2DH5_Ant1_Hop





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

Test Graphs



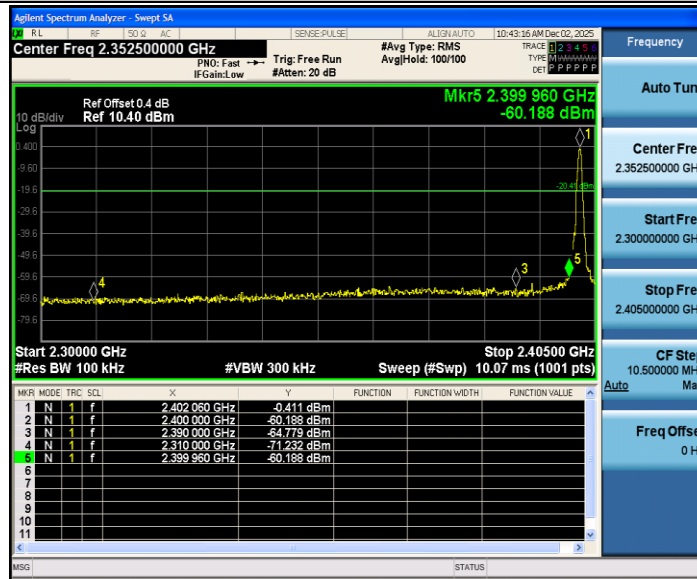
Appendix G: Band edge measurements

Test Result

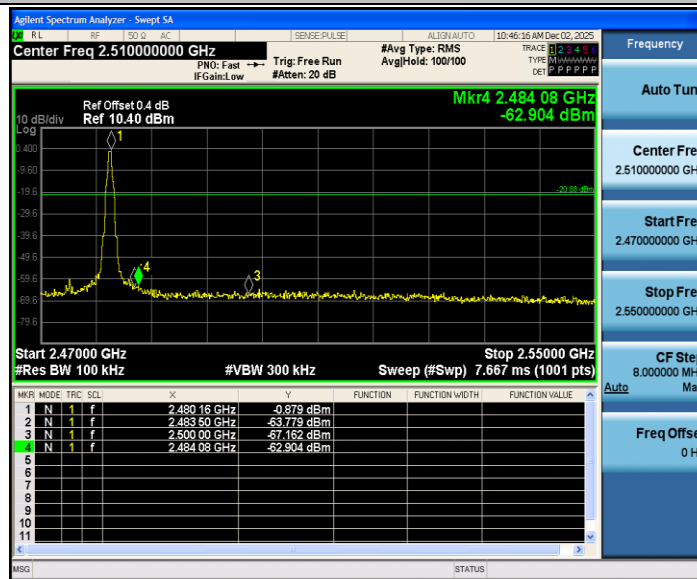
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.41	-60.19	≤-20.41	PASS
		High	2480	-0.88	-62.9	≤-20.88	PASS
		Low	Hop_2402	-4.21	-63.98	≤-24.21	PASS
		High	Hop_2480	-4.06	-64.65	≤-24.06	PASS
2DH5	Ant1	Low	2402	-4.77	-61.59	≤-24.77	PASS
		High	2480	-4.62	-56.29	≤-24.62	PASS
		Low	Hop_2402	-5.06	-64.22	≤-25.06	PASS
		High	Hop_2480	-3.95	-63.65	≤-23.95	PASS

Test Graphs

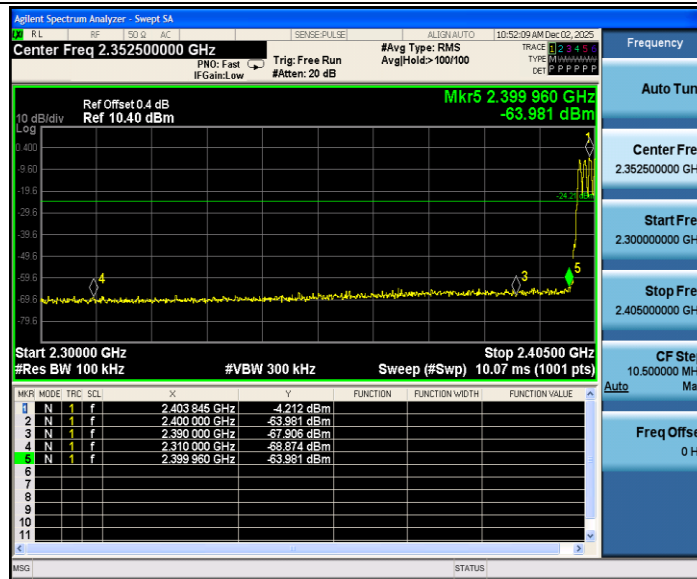
DH5_Ant1_Low_2402



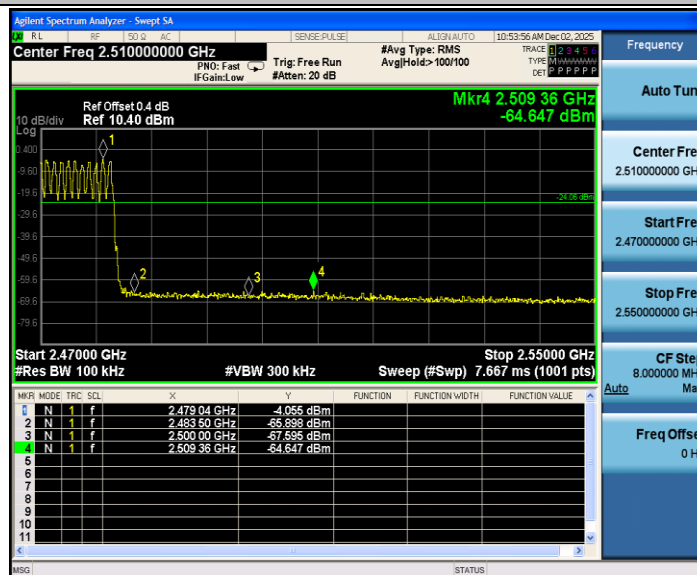
DH5_Ant1_High_2480



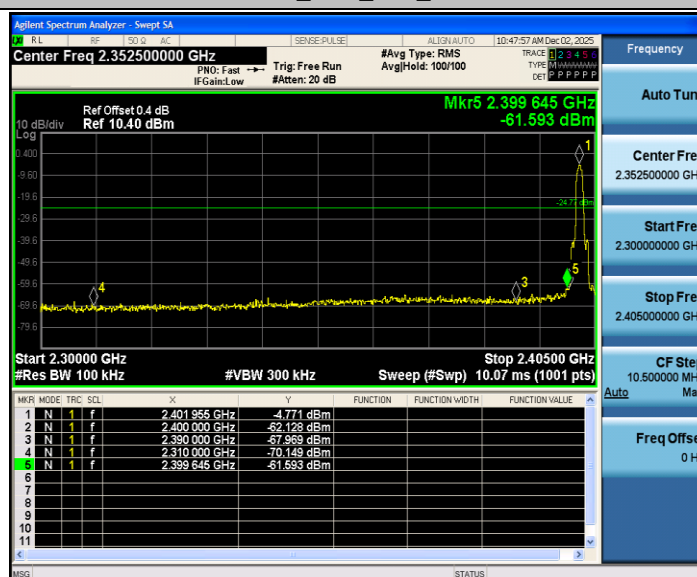
DH5_Ant1_Low_Hop_2402



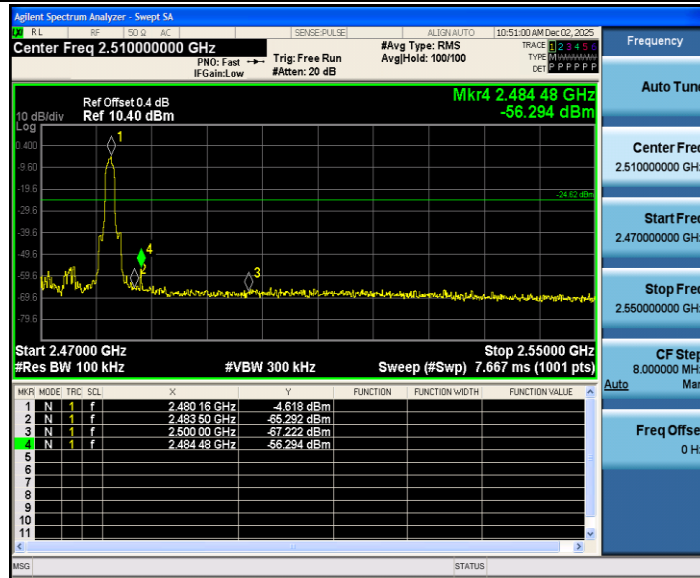
DH5_Ant1_High_Hop_2480



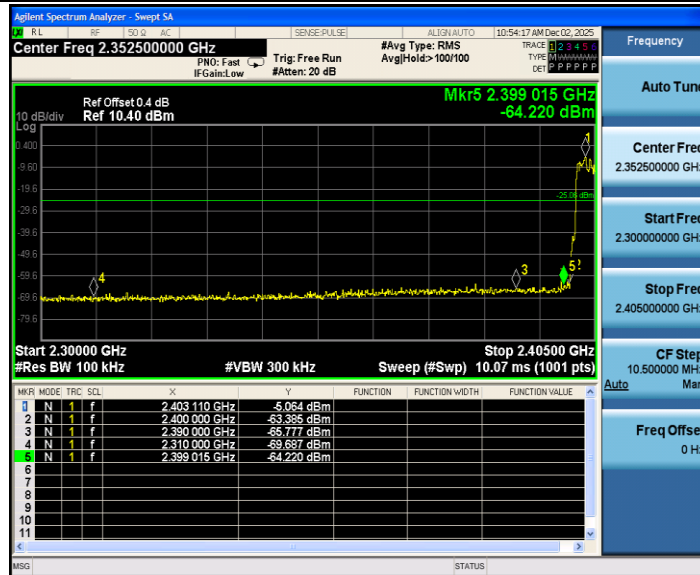
2DH5_Ant1_Low_2402



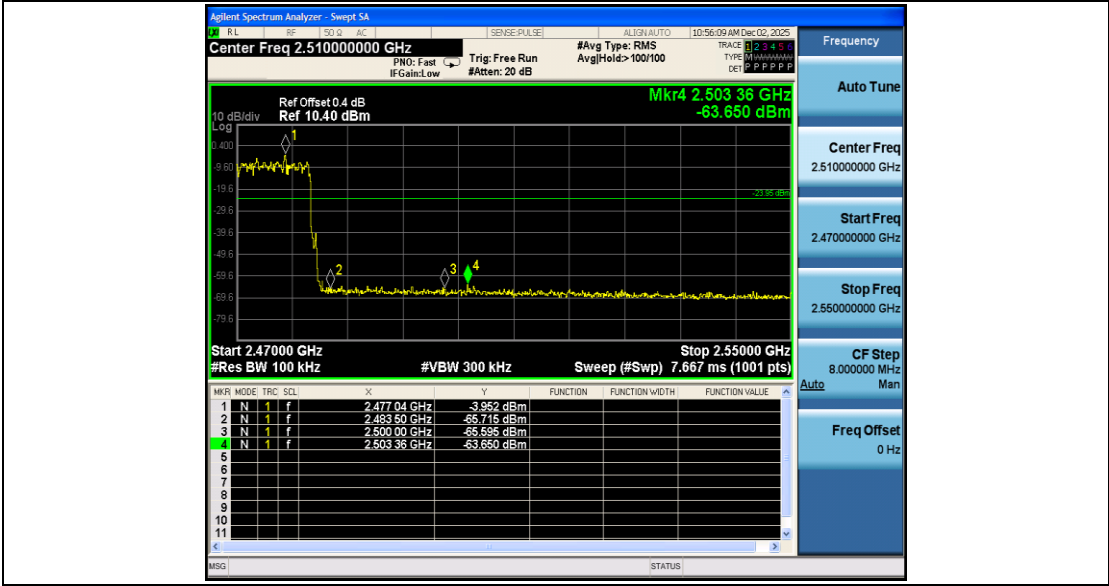
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

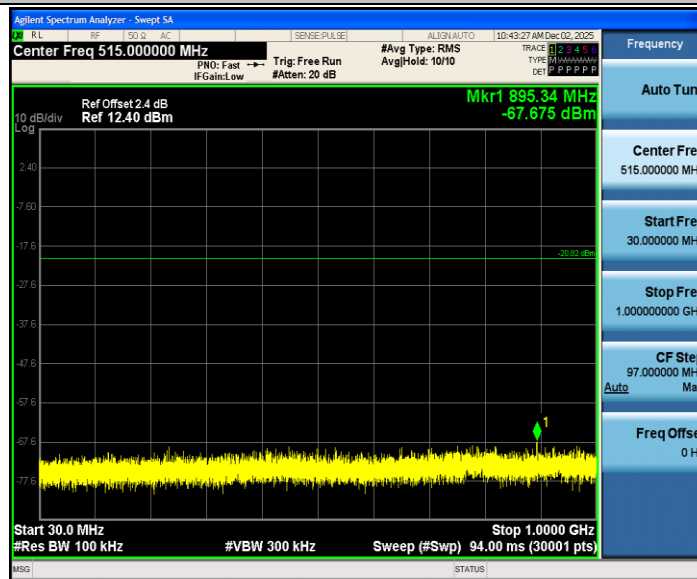
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.82	-0.82	---	PASS
			30~1000	-0.82	-67.68	≤-20.82	PASS
			1000~26500	-0.82	-41.68	≤-20.82	PASS
		2441	Reference	-1.28	-1.28	---	PASS
			30~1000	-1.28	-67.56	≤-21.28	PASS
			1000~26500	-1.28	-43.63	≤-21.28	PASS
		2480	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-68.45	≤-20.83	PASS
			1000~26500	-0.83	-42.67	≤-20.83	PASS
2DH5	Ant1	2402	Reference	-5.68	-5.68	---	PASS
			30~1000	-5.68	-67.91	≤-25.68	PASS
			1000~26500	-5.68	-51.21	≤-25.68	PASS
		2441	Reference	-6.04	-6.04	---	PASS
			30~1000	-6.04	-68.04	≤-26.04	PASS
			1000~26500	-6.04	-42.13	≤-26.04	PASS
		2480	Reference	-5.73	-5.73	---	PASS
			30~1000	-5.73	-68.09	≤-25.73	PASS
			1000~26500	-5.73	-50.32	≤-25.73	PASS

Test Graphs

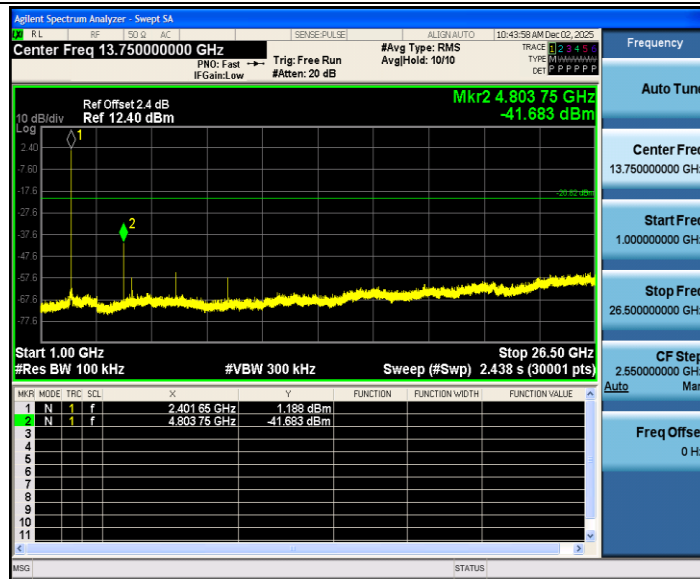
DH5_Ant1_2402_0~Reference



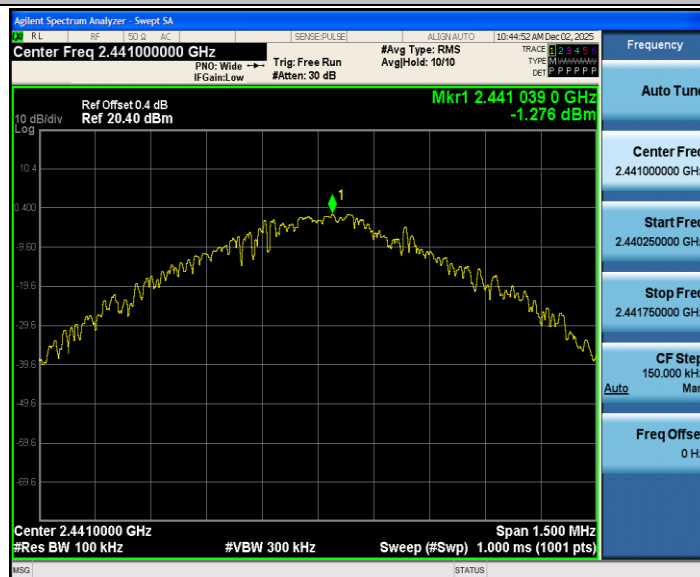
DH5_Ant1_2402_30~1000



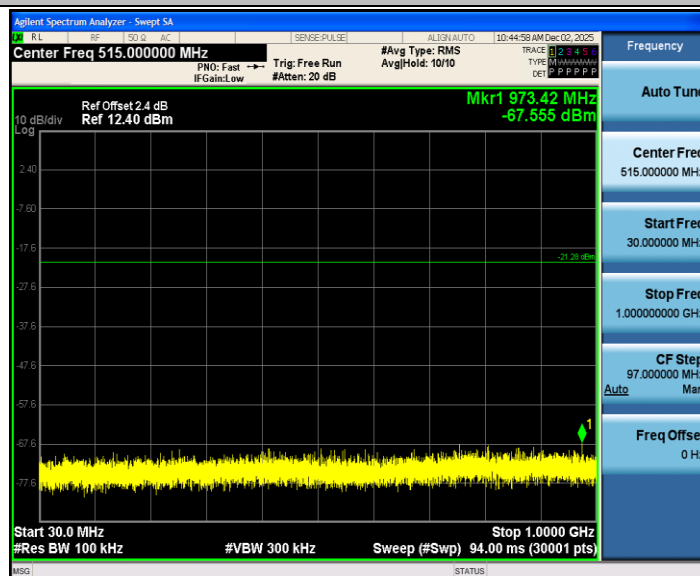
DH5_Ant1_2402_1000~26500



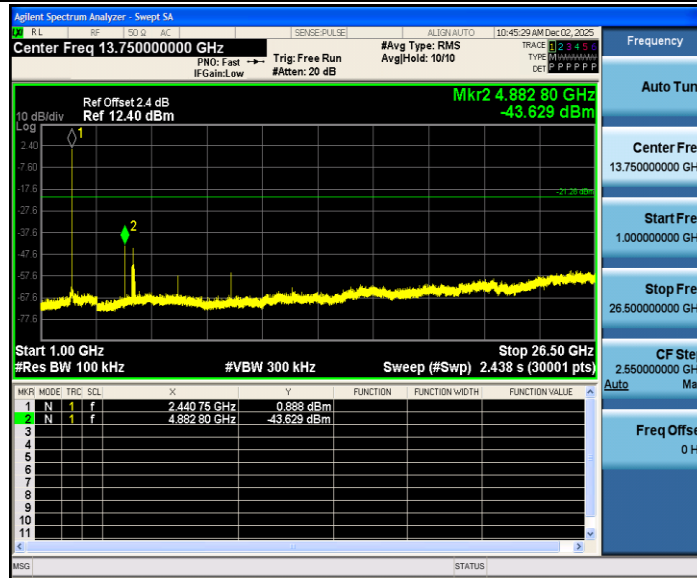
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



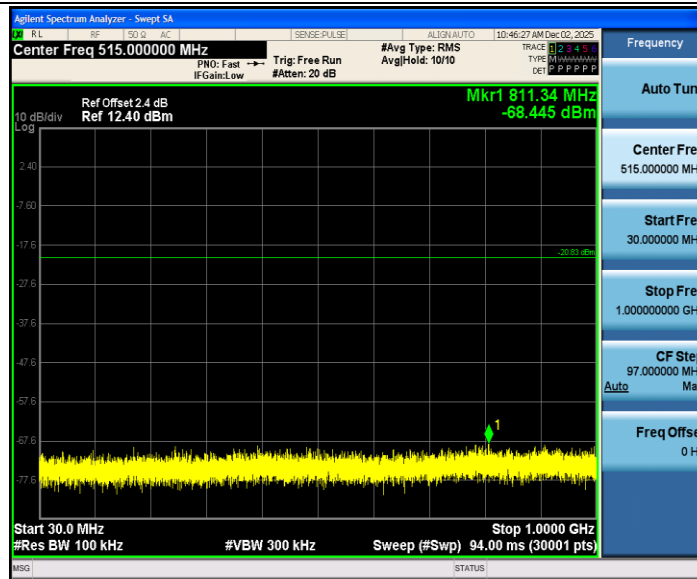
DH5_Ant1_2441_1000~26500



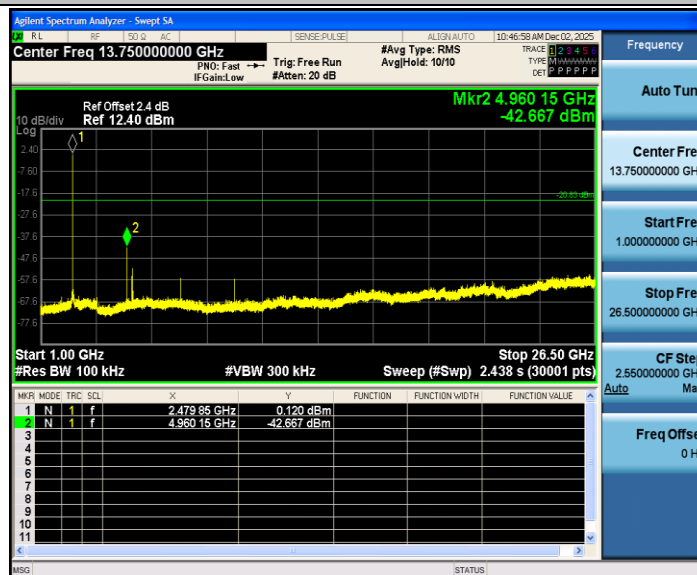
DH5_Ant1_2480_0~Reference



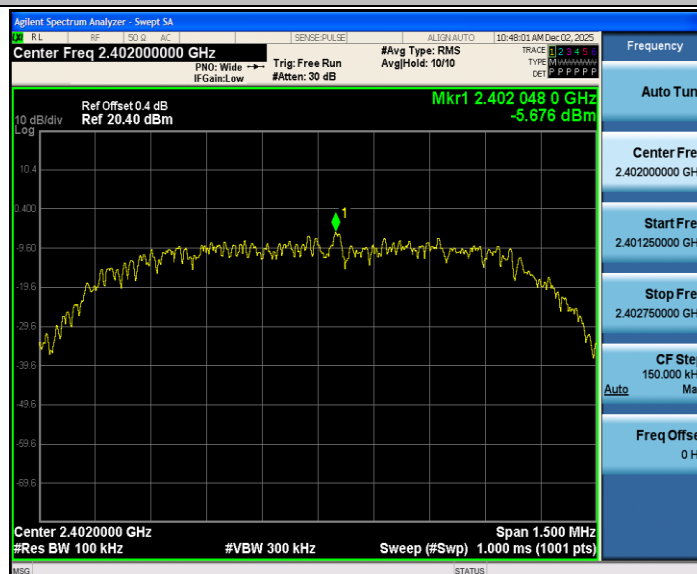
DH5_Ant1_2480_30~1000



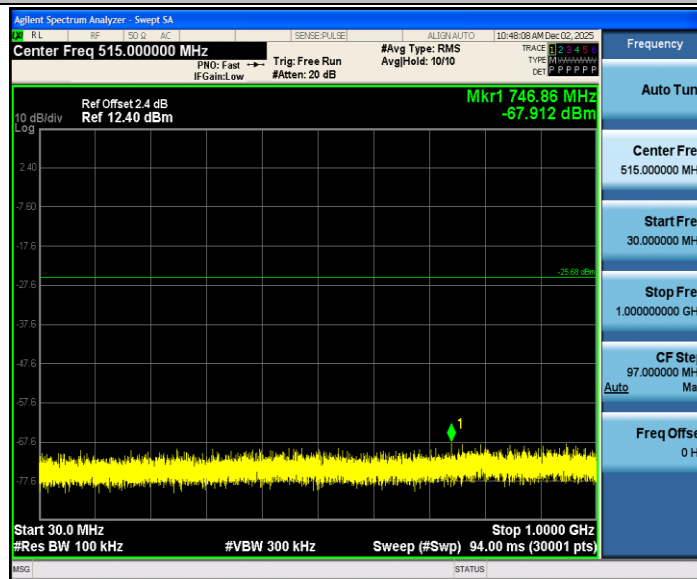
DH5_Ant1_2480_1000~26500



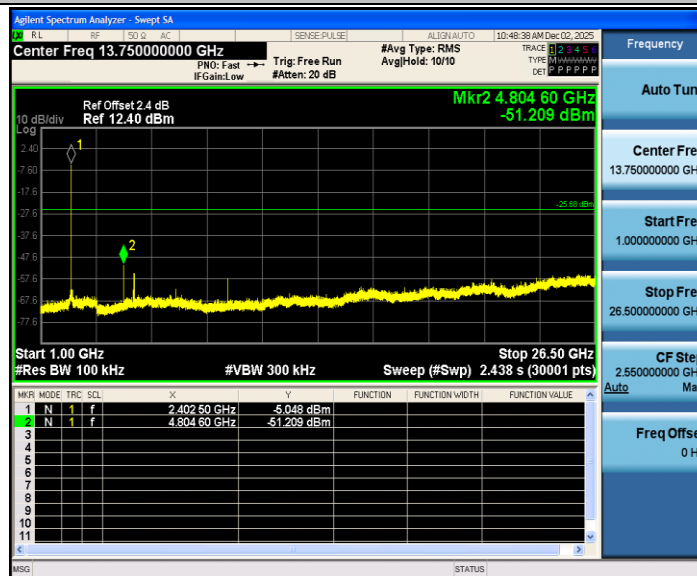
2DH5_Ant1_2402_0~Reference



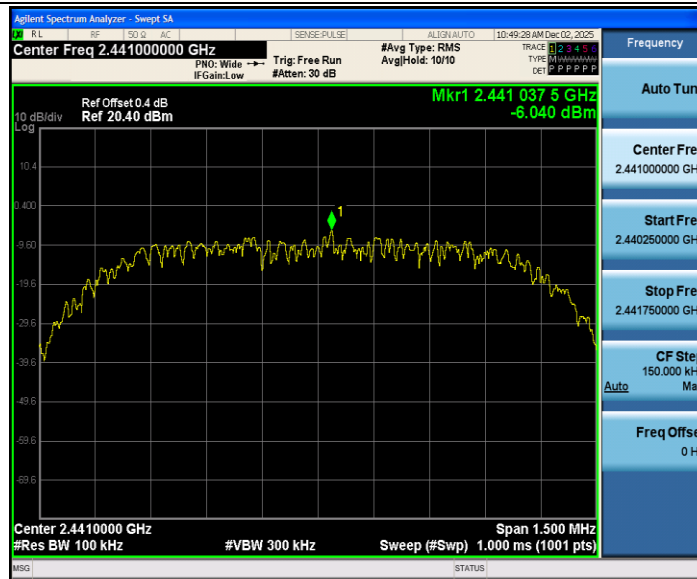
2DH5_Ant1_2402_30~1000



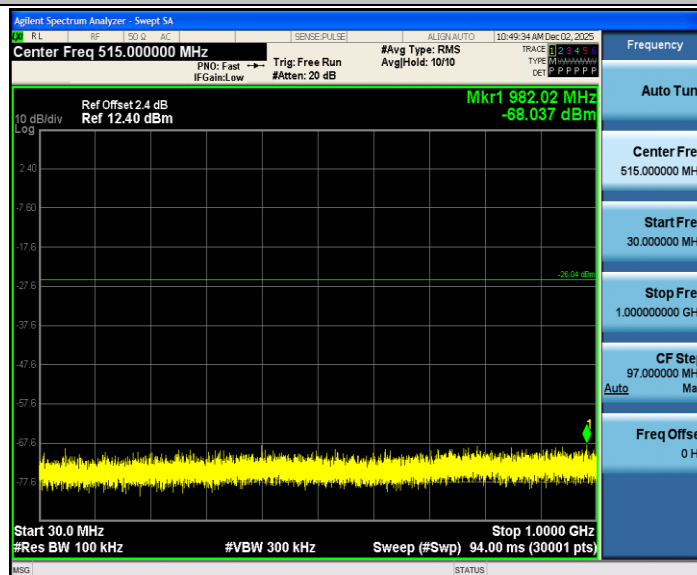
2DH5_Ant1_2402_1000~26500



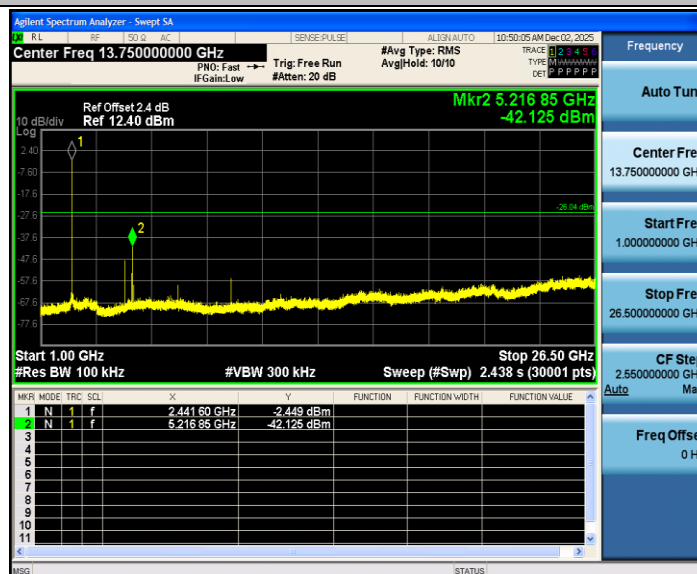
2DH5_Ant1_2441_0~Reference



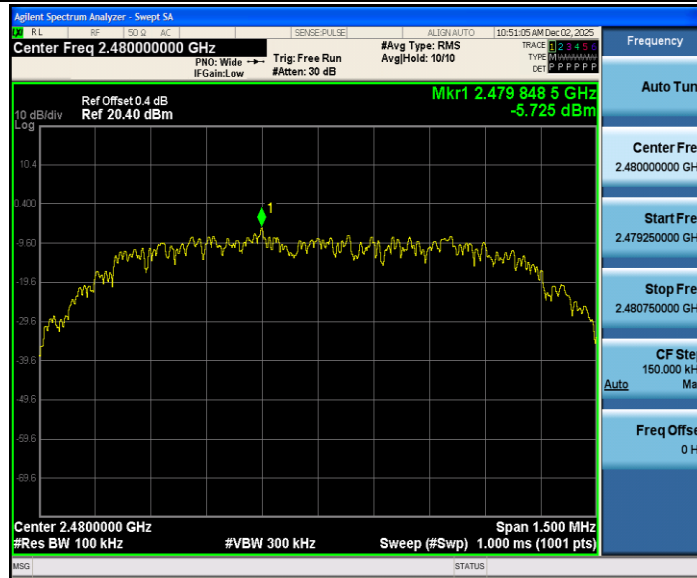
2DH5_Ant1_2441_30~1000



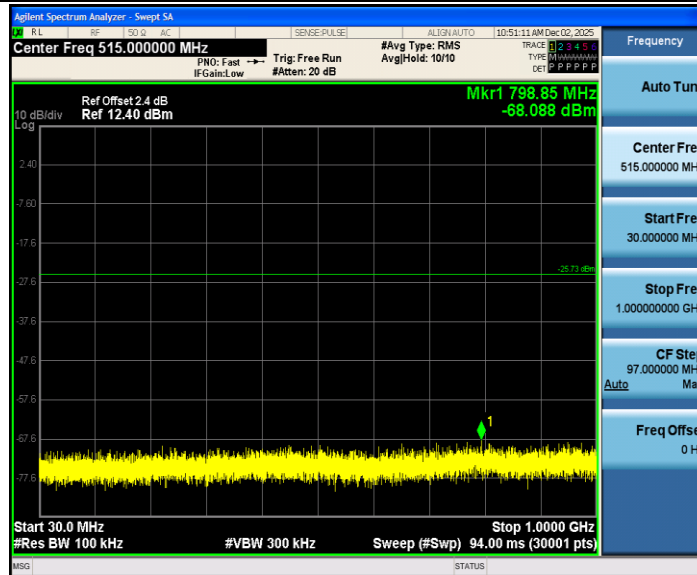
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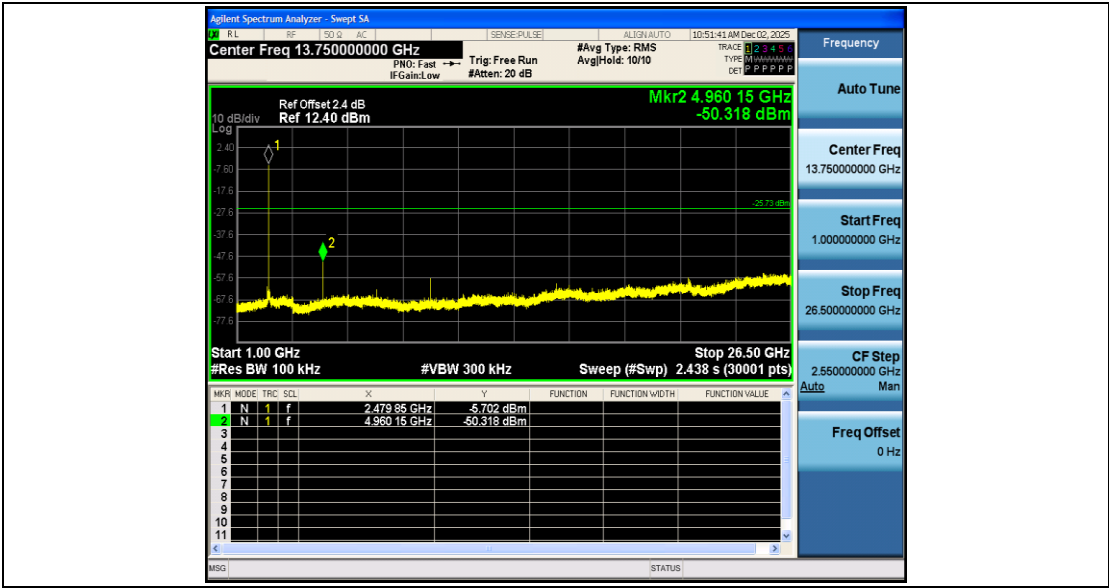
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.92	3.75	77.87	1.09	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09	---	---

DH5_Ant1_2402

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.402000000 GHz

Trig Delay: 200.0 μ s #Avg Type: RMS

Ref Offset 0.4 dB Ref 20.00 dBm

Δ Mkr3 3.750 ms 0.18 dB

Center 2.402000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 5.000 ms (1001 pts)

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	180.0 μ s	-16.41 dBm			
2	Δ 1	1	t	(Δ)	2.910 ms	(Δ)	16.27 dB	
3	Δ 1	1	t	(Δ)	3.750 ms	(Δ)	0.18 dB	

DH5_Ant1_2441

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

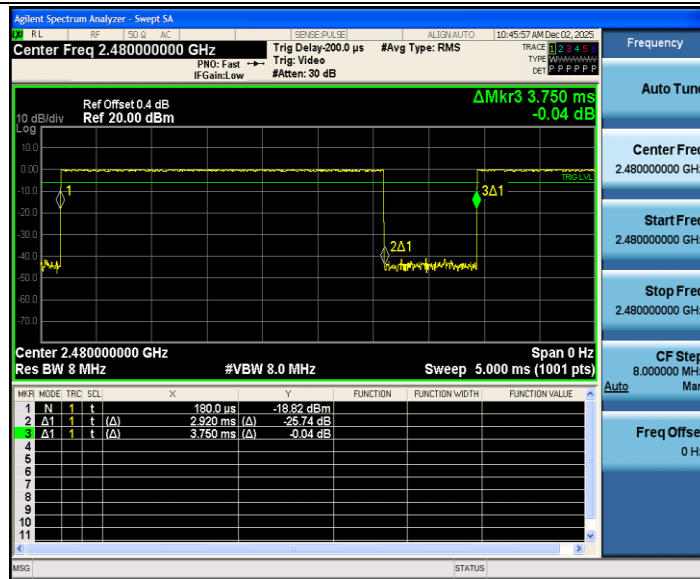
Trig Delay: 200.0 μ s #Avg Type: RMS

Ref Offset 0.4 dB Ref 20.00 dBm

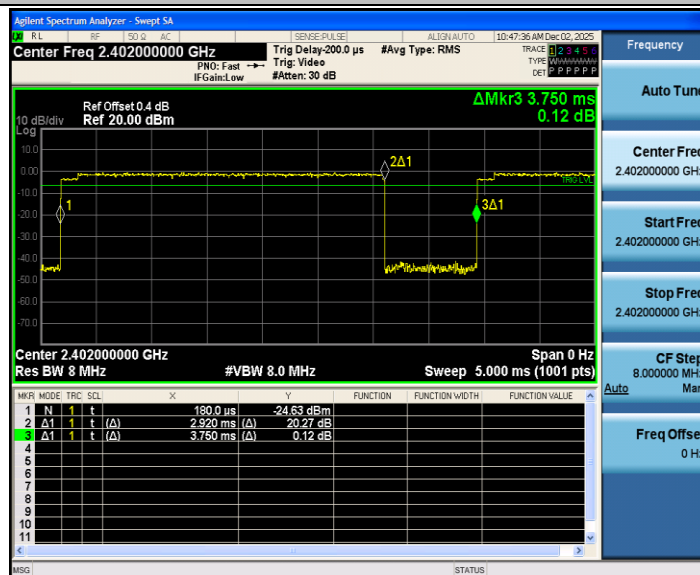
Δ Mkr3 3.750 ms 0.04 dB

Center 2.441000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 5.000 ms (1001 pts)

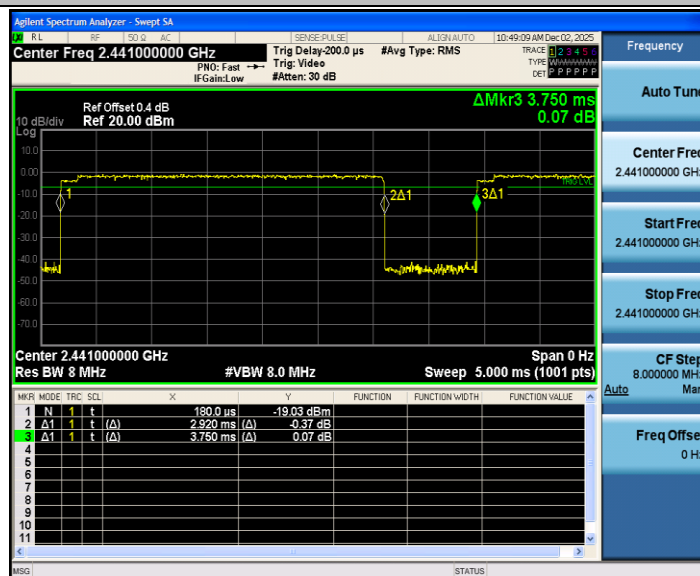
MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	190.0 μ s	-3.90 dBm			
2	Δ 1	1	t	(Δ)	2.910 ms	(Δ)	-39.61 dB	
3	Δ 1	1	t	(Δ)	3.750 ms	(Δ)	0.04 dB	



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

