

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: C6 CD Player

Test Model: CR3509A-WA

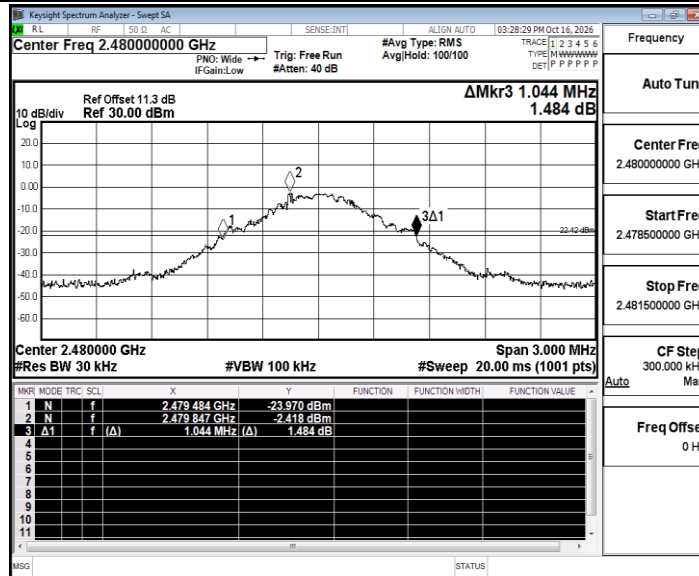
Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

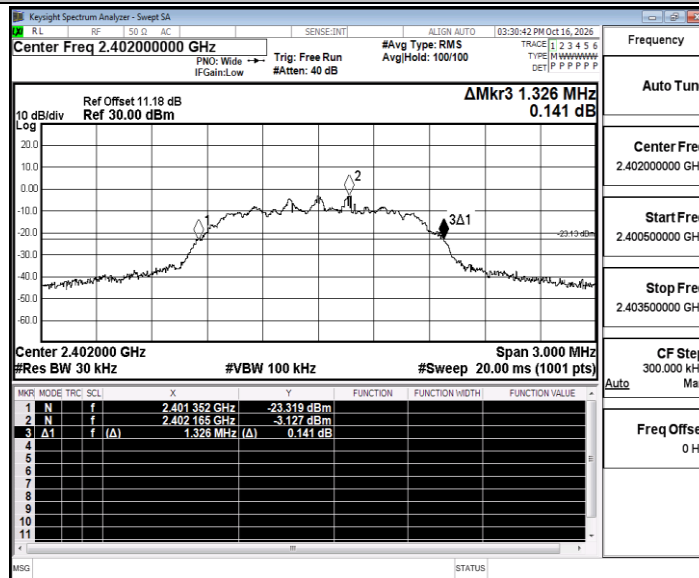
A.1 20dB Emission Bandwidth

Test Result

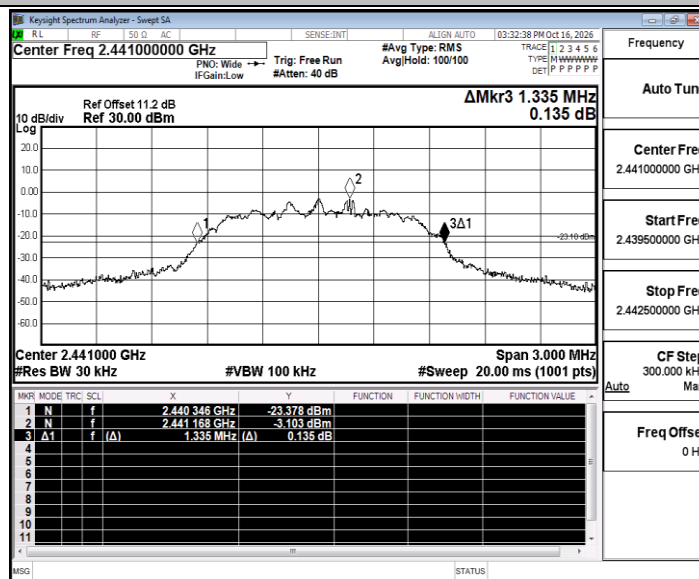
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.029	2401.496	2402.525	---	---
		2441	1.041	2440.487	2441.528	---	---
		2480	1.044	2479.484	2480.528	---	---
2DH5	Ant1	2402	1.326	2401.352	2402.678	---	---
		2441	1.335	2440.346	2441.681	---	---
		2480	1.350	2479.343	2480.693	---	---
3DH5	Ant1	2402	1.296	2401.364	2402.660	---	---
		2441	1.302	2440.361	2441.663	---	---
		2480	1.290	2479.358	2480.648	---	---



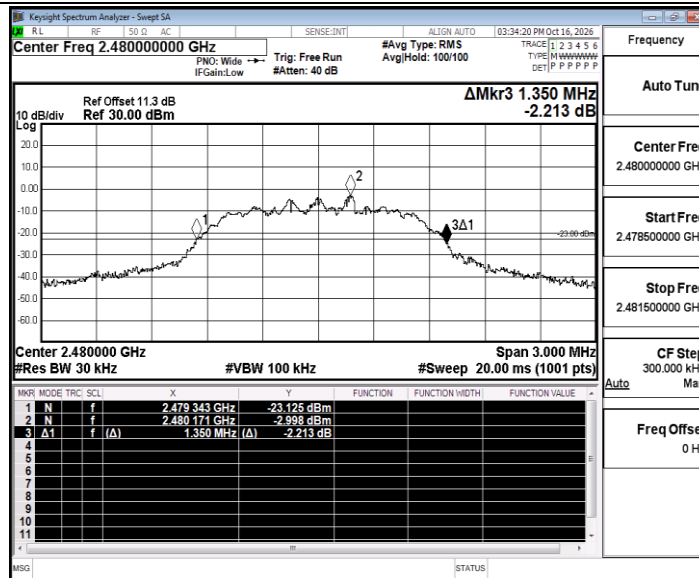
2DH5_Ant1_2402



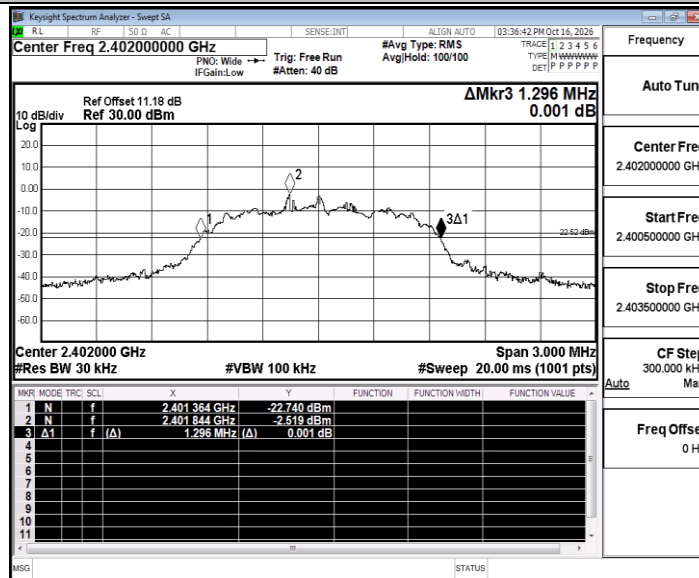
2DH5_Ant1_2441



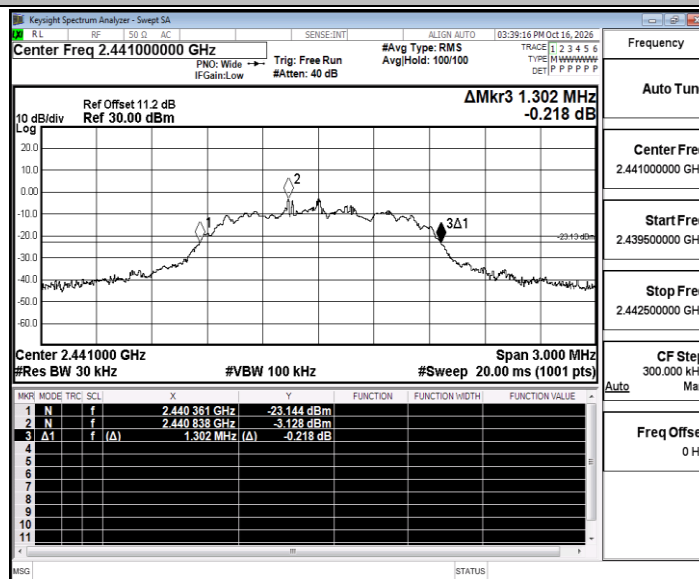
2DH5_Ant1_2480



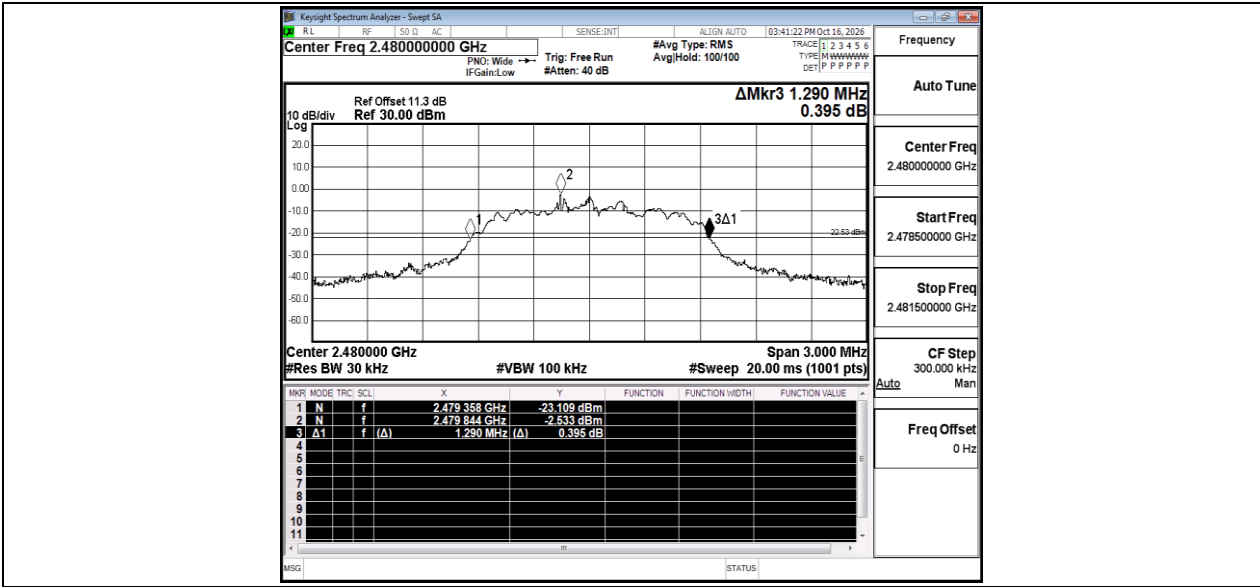
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



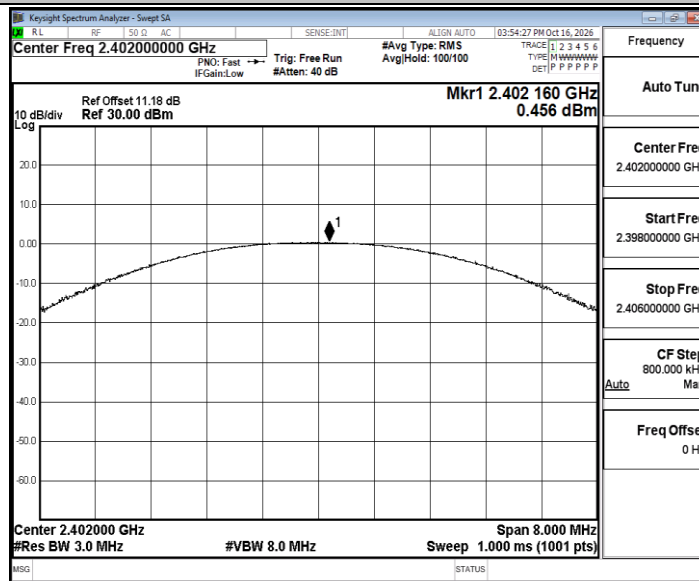
A.2 Maximum Peak conducted output power

Test Result Peak

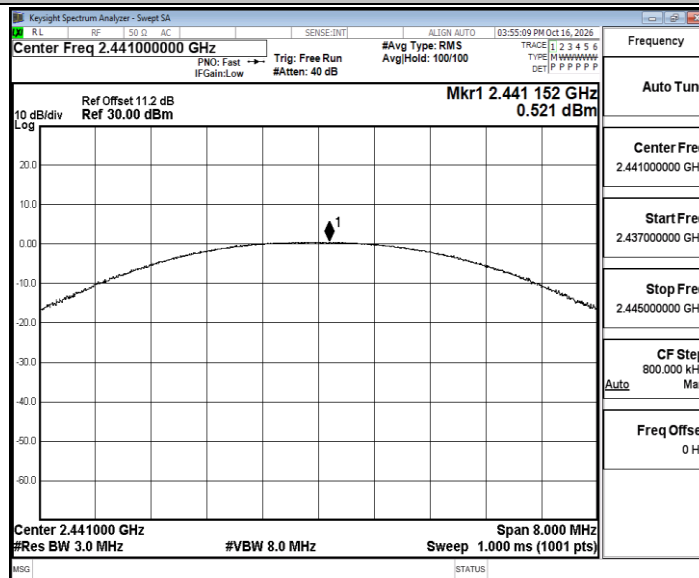
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.46	≤20.97	PASS
		2441	0.52	≤20.97	PASS
		2480	0.52	≤20.97	PASS
2DH5	Ant1	2402	1.01	≤20.97	PASS
		2441	1.16	≤20.97	PASS
		2480	1.22	≤20.97	PASS
3DH5	Ant1	2402	1.36	≤20.97	PASS
		2441	1.67	≤20.97	PASS
		2480	1.53	≤20.97	PASS

Test Graphs

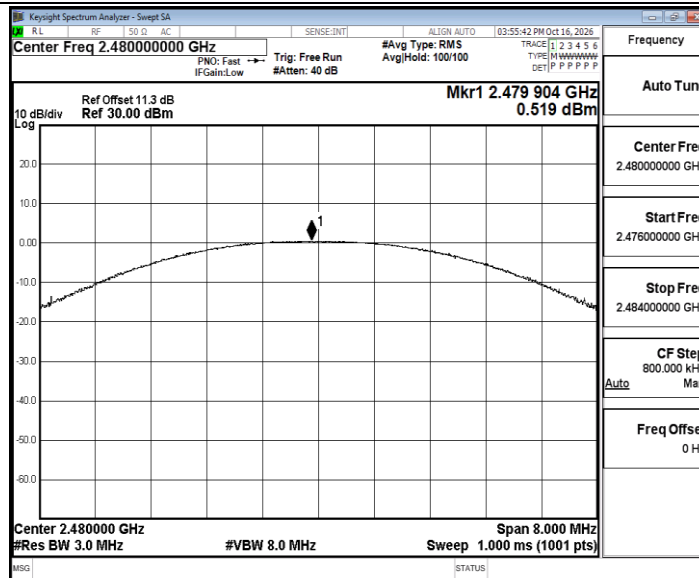
DH5_Ant1_2402



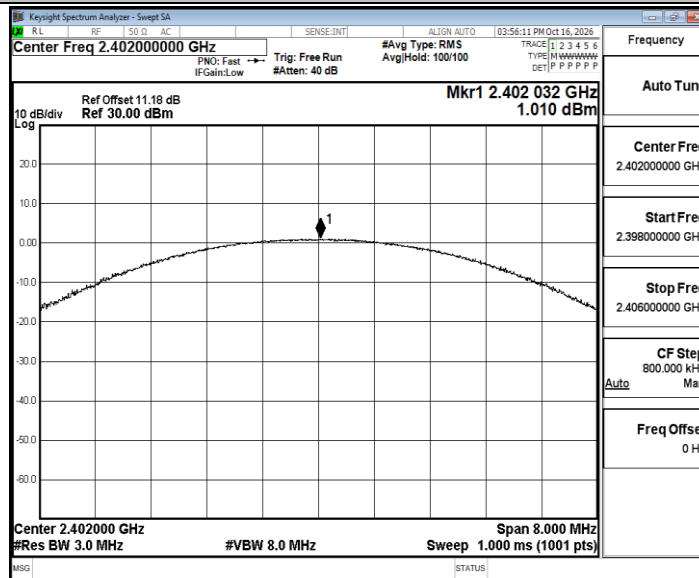
DH5_Ant1_2441



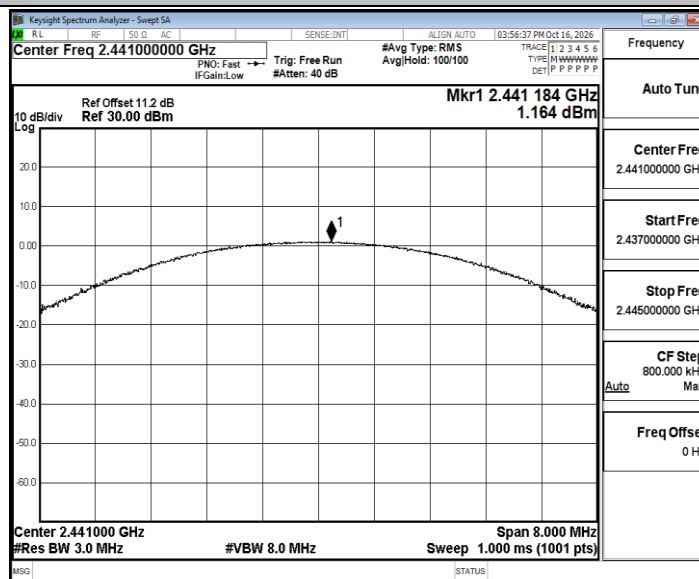
DH5_Ant1_2480



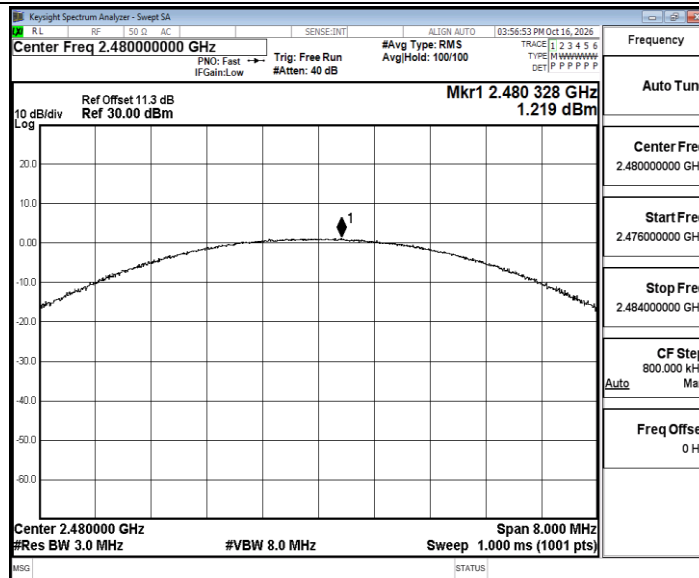
2DH5_Ant1_2402



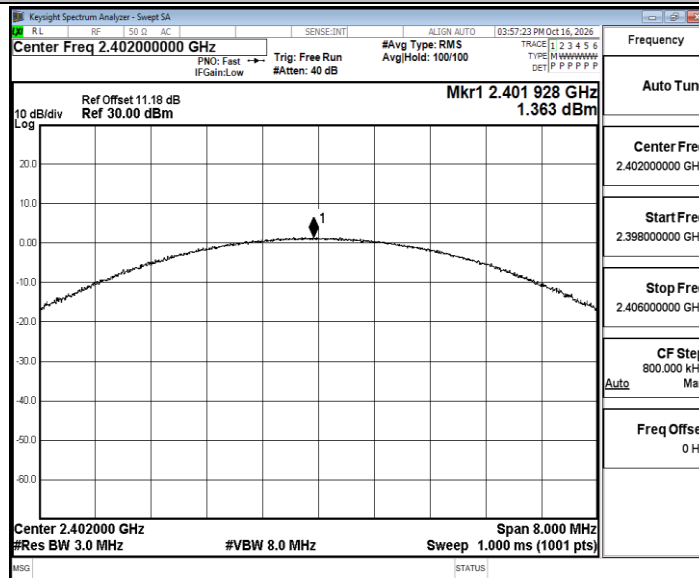
2DH5_Ant1_2441



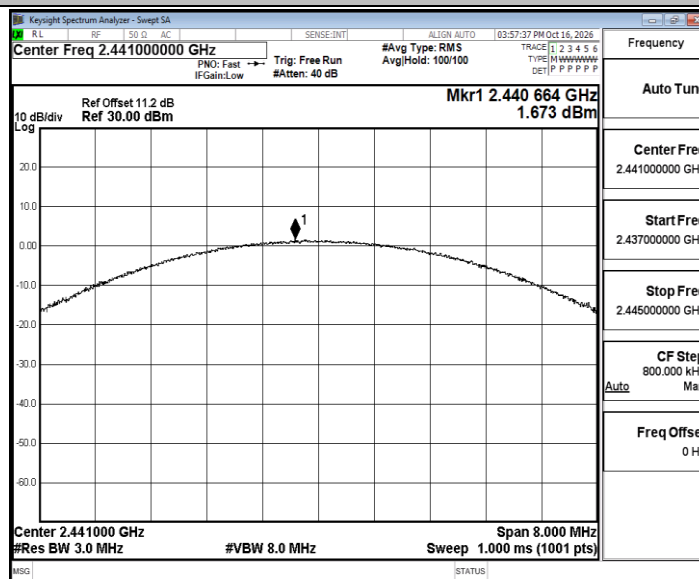
2DH5_Ant1_2480



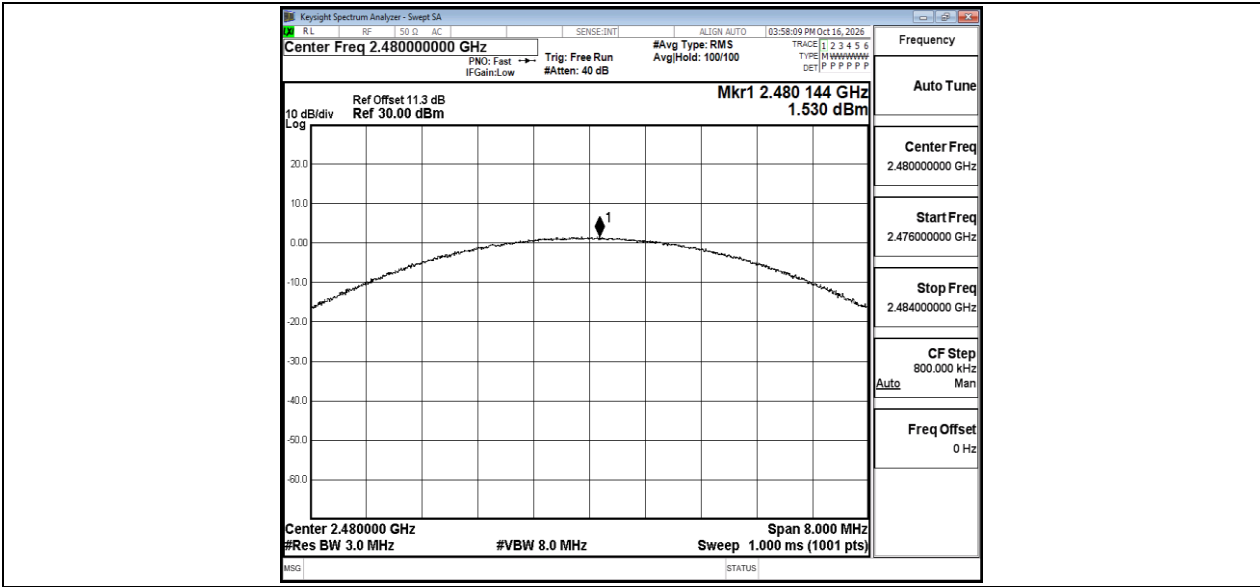
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



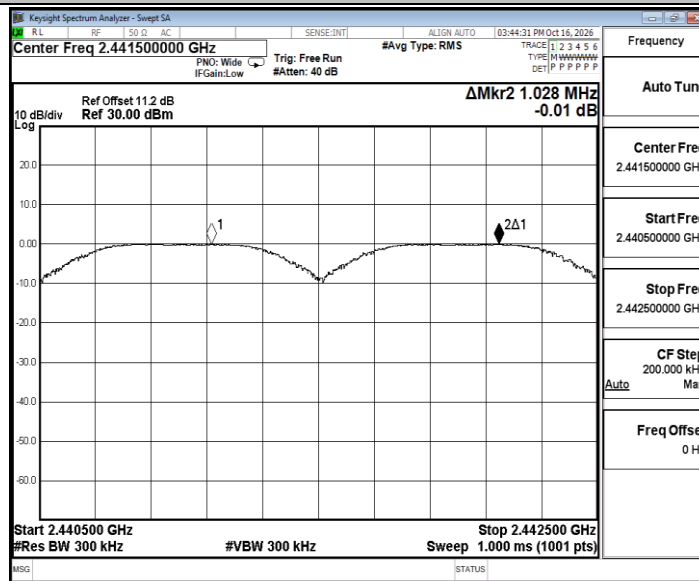
A.3 Carrier frequency separation

Test Result

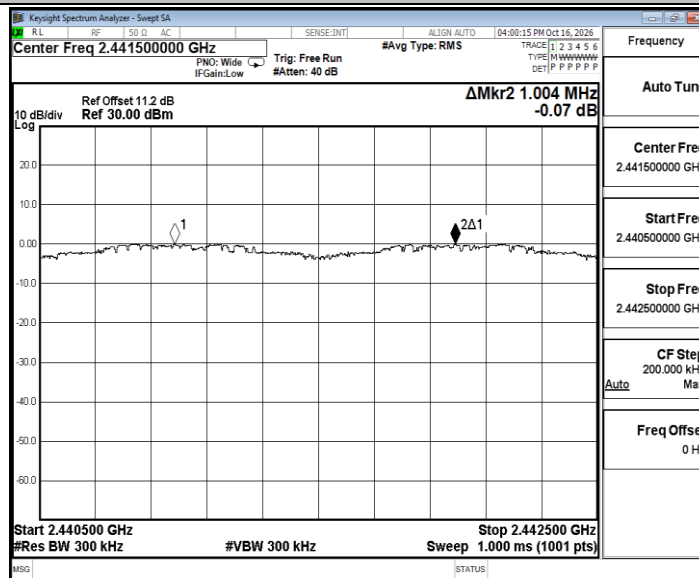
TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.028	≥0.696	PASS
2DH5	Ant1	Hop	1.004	≥0.900	PASS
3DH5	Ant1	Hop	1.012	≥0.868	PASS

Test Graphs

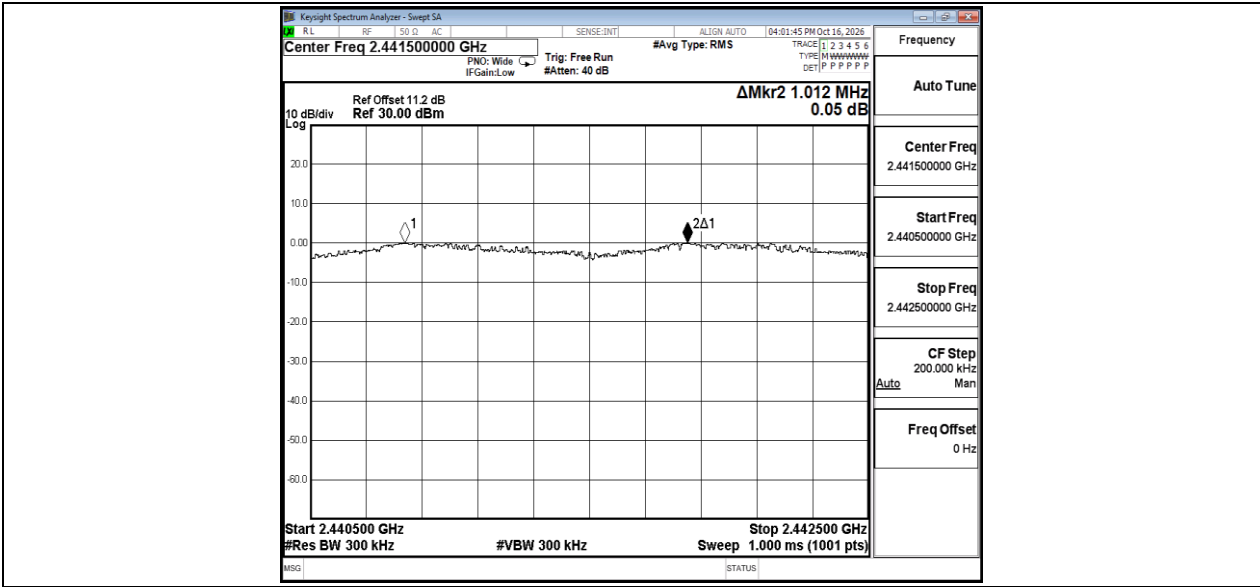
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



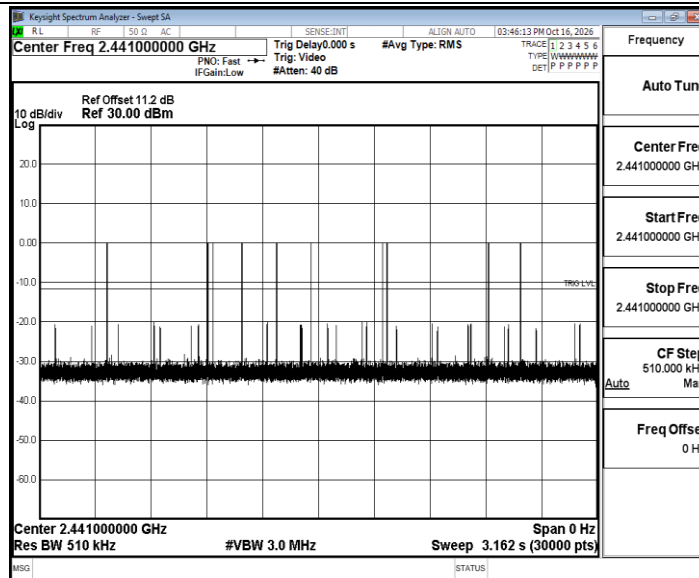
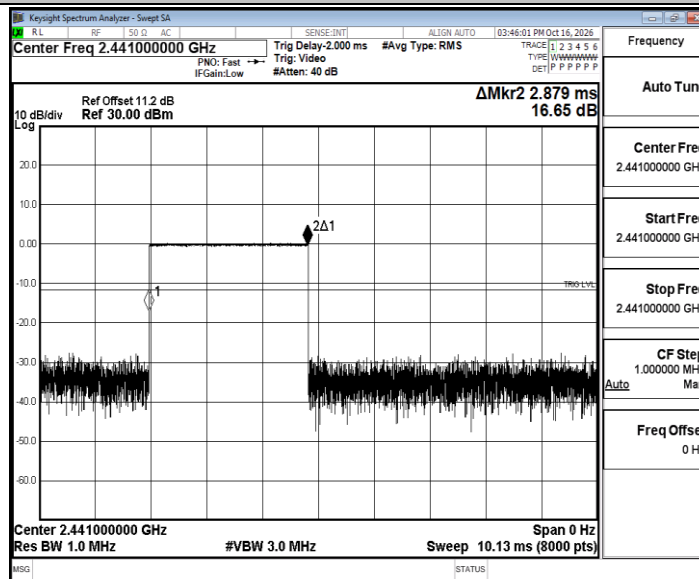
A.4 Time of occupancy

Test Result

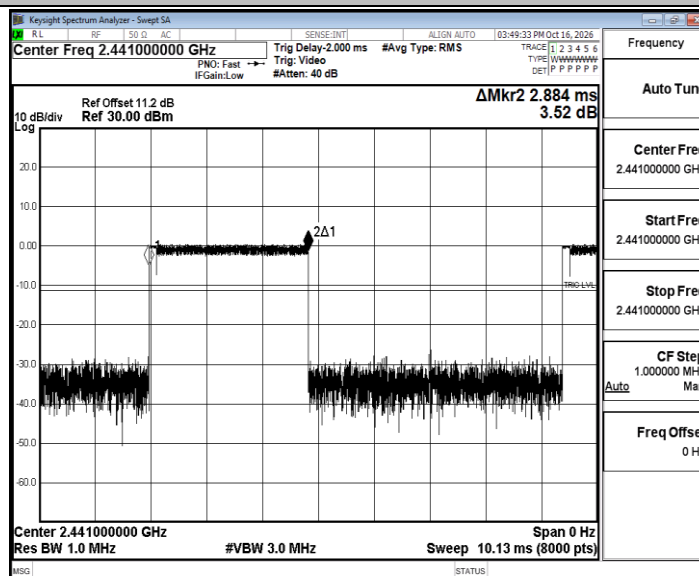
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.879	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.884	120	0.346	≤0.4	PASS
3DH5	Ant1	Hop	2.887	110	0.318	≤0.4	PASS

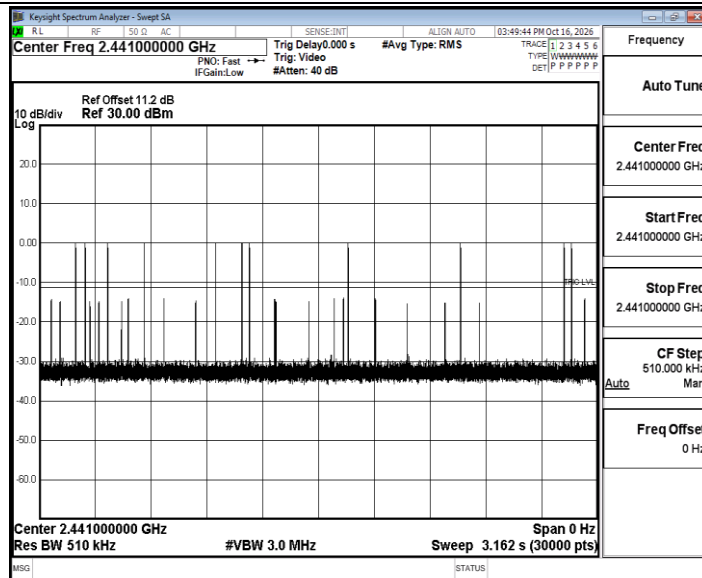
Test Graphs

DH5_Ant1_Hop

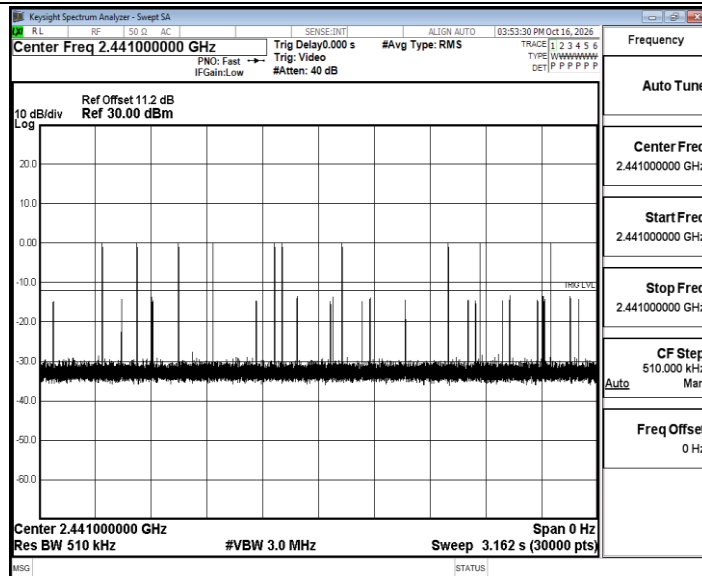
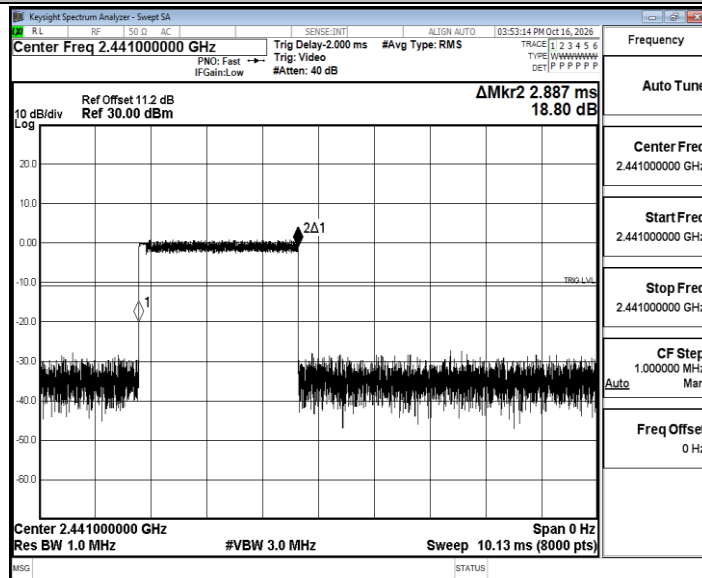


2DH5_Ant1_Hop





3DH5_Ant1_Hop



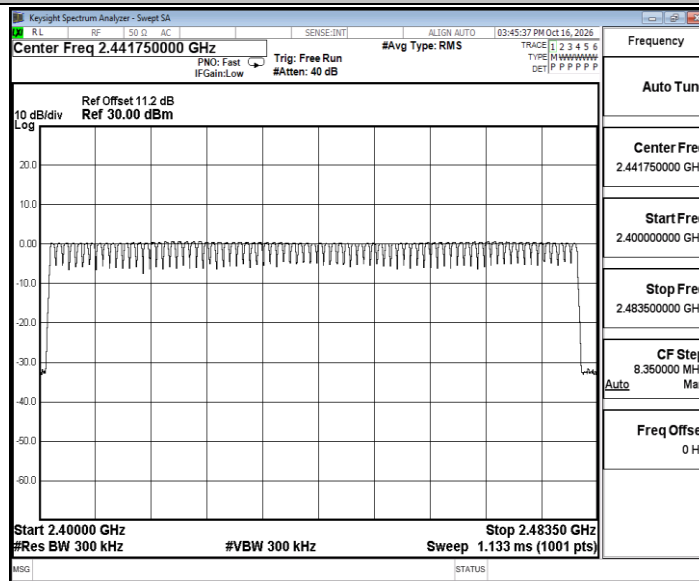
A.5 Number of hopping channels

Test Result

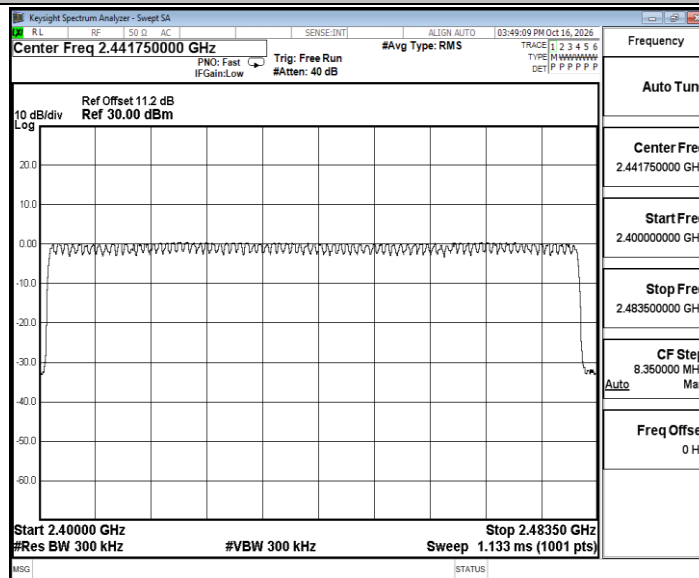
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

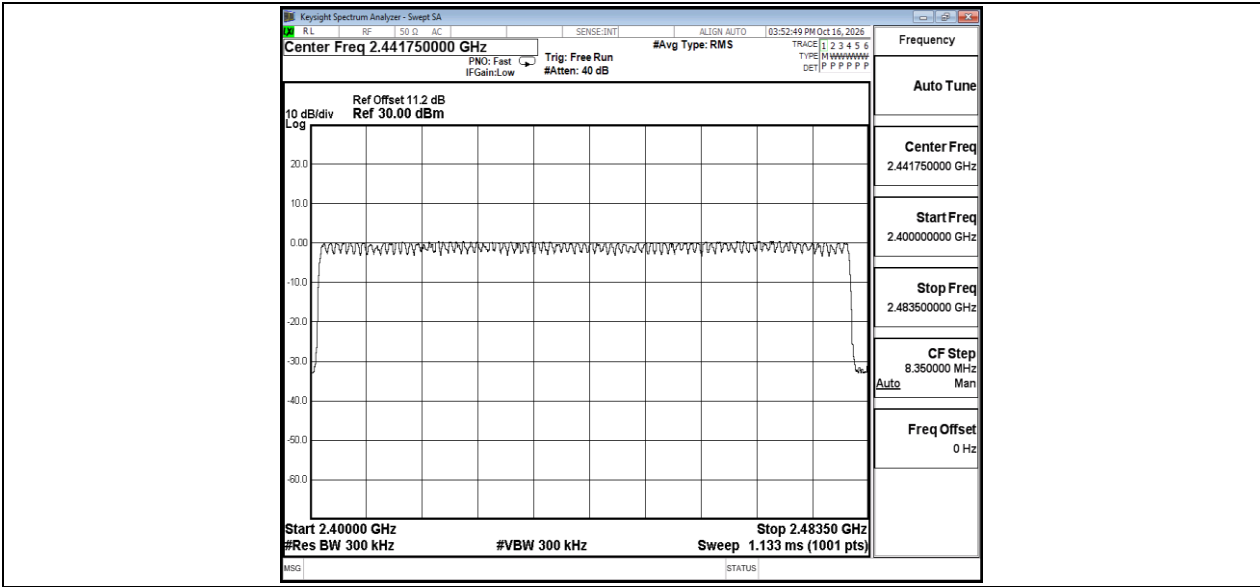
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



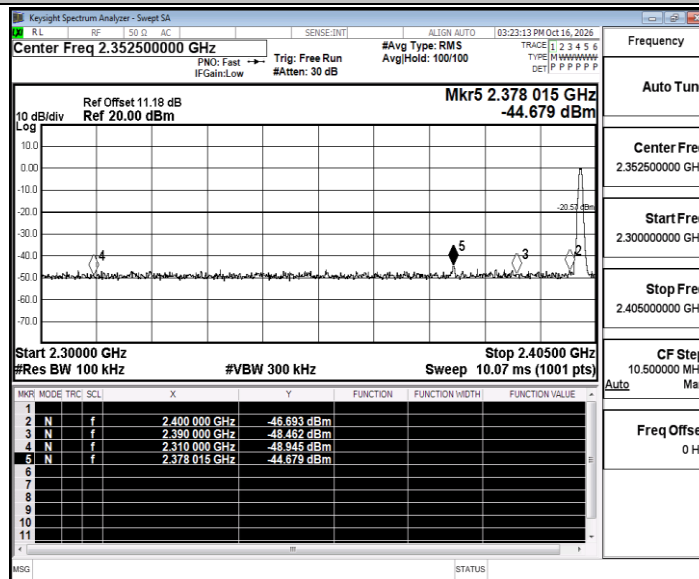
A.6 Band edge measurements

Test Result

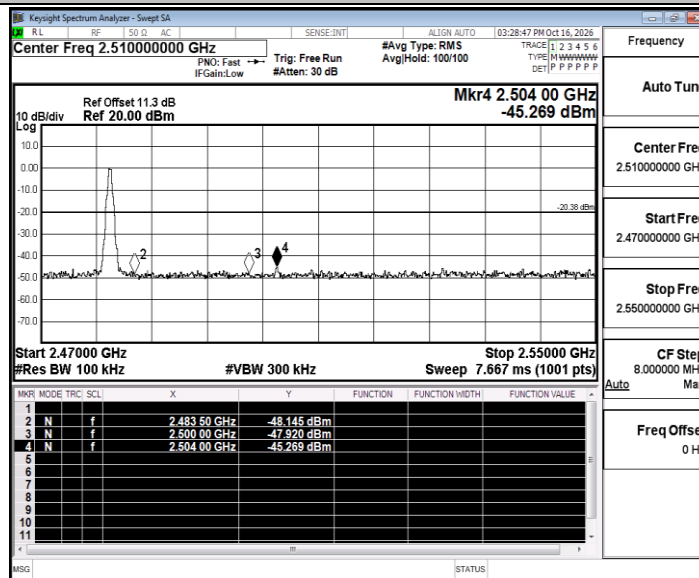
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.57	-44.68	≤ -20.57	PASS
		High	2480	-0.38	-45.27	≤ -20.38	PASS
		Low	Hop_2402	-1.70	-45.63	≤ -21.7	PASS
		High	Hop_2480	-0.61	-45.25	≤ -20.61	PASS
2DH5	Ant1	Low	2402	-2.64	-45.28	≤ -22.64	PASS
		High	2480	-0.41	-45.26	≤ -20.41	PASS
		Low	Hop_2402	-4.22	-46.42	≤ -24.22	PASS
		High	Hop_2480	-4.37	-45.04	≤ -24.37	PASS
3DH5	Ant1	Low	2402	-0.52	-46.26	≤ -20.52	PASS
		High	2480	-0.52	-45.48	≤ -20.52	PASS
		Low	Hop_2402	-1.98	-46.1	≤ -21.98	PASS
		High	Hop_2480	-3.73	-45.53	≤ -23.73	PASS

Test Graphs

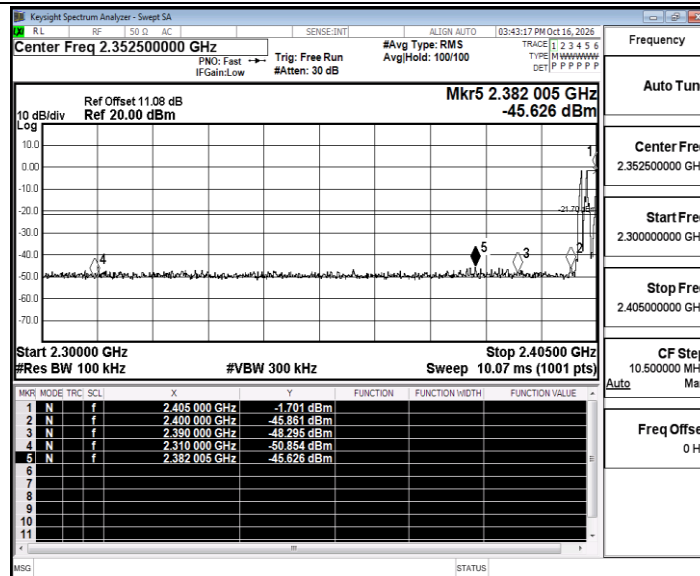
DH5_Ant1_Low_2402



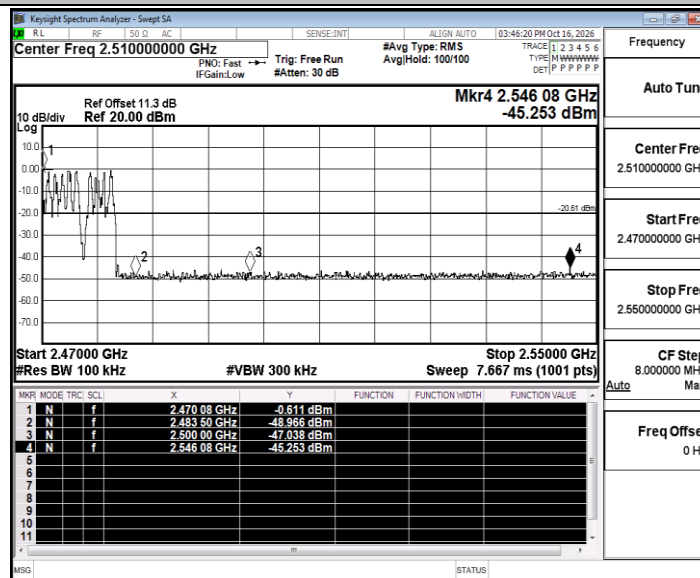
DH5_Ant1_High_2480



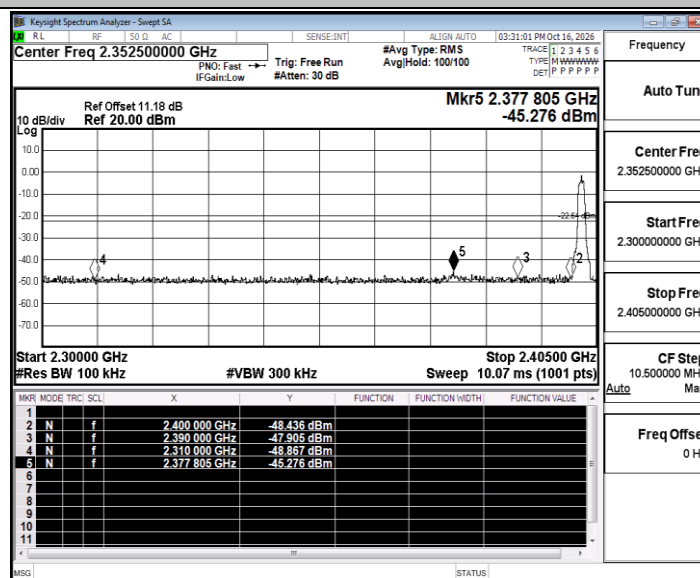
DH5_Ant1_Low_Hop_2402



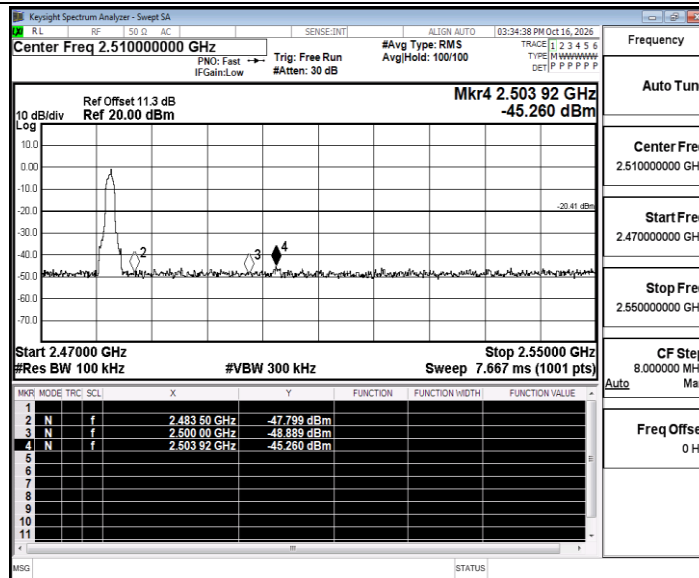
DH5_Ant1_High_Hop_2480



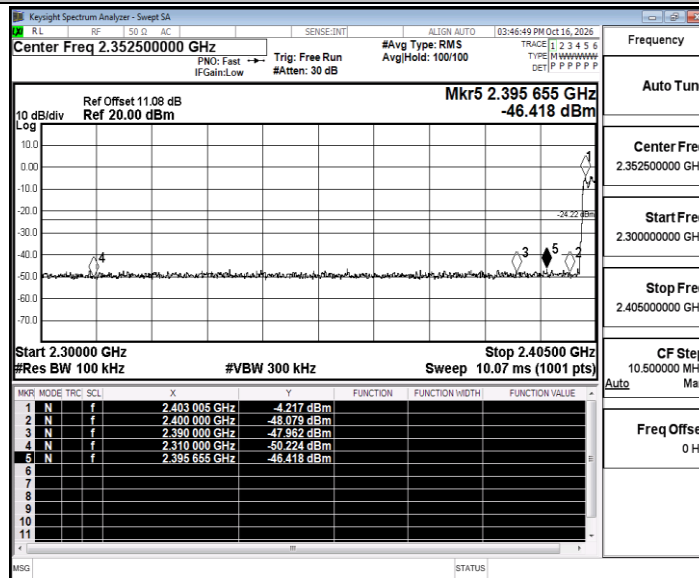
2DH5_Ant1_Low_2402



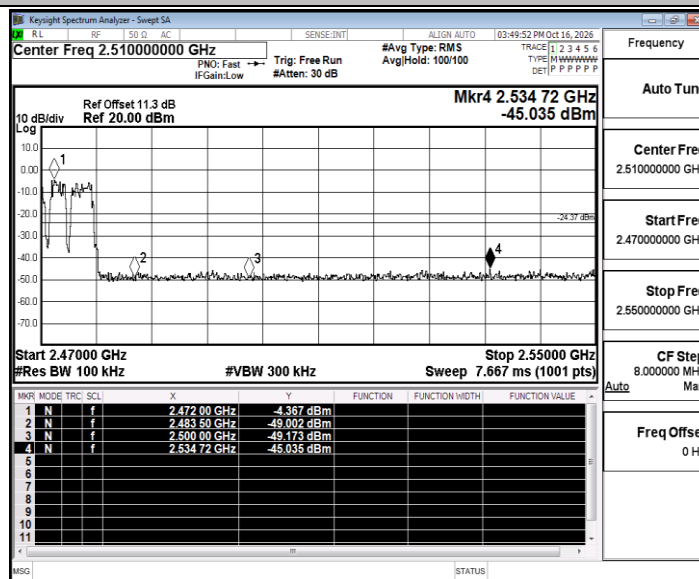
2DH5_Ant1_High_2480



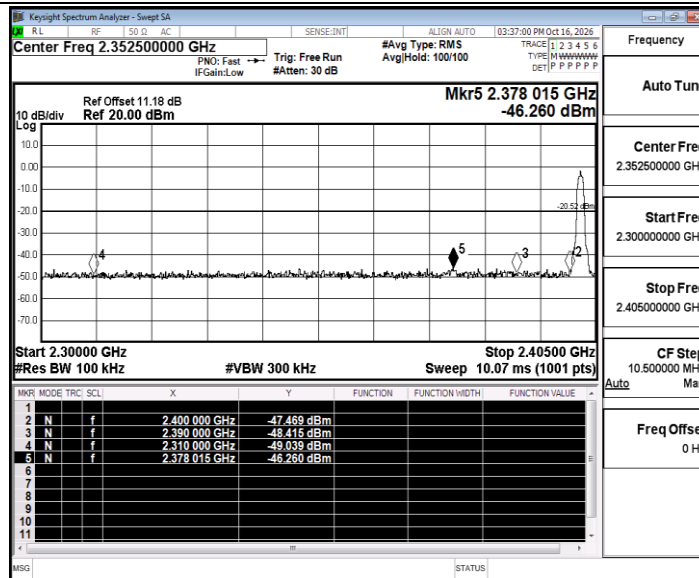
2DH5_Ant1_Low_Hop_2402



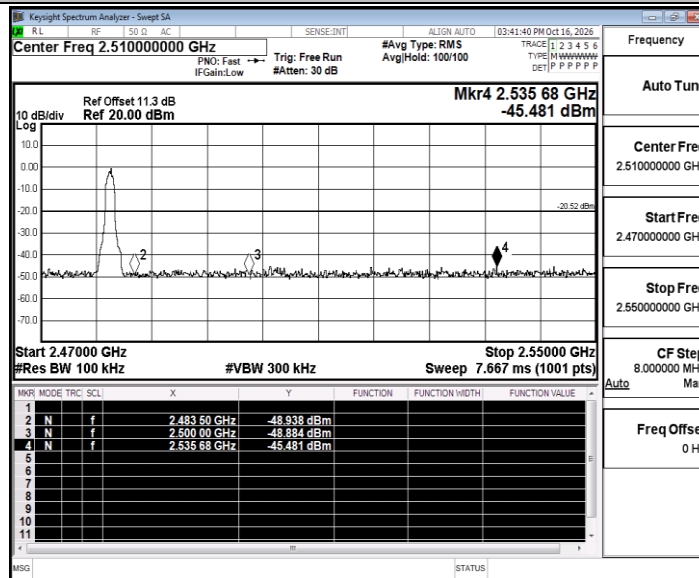
2DH5_Ant1_High_Hop_2480



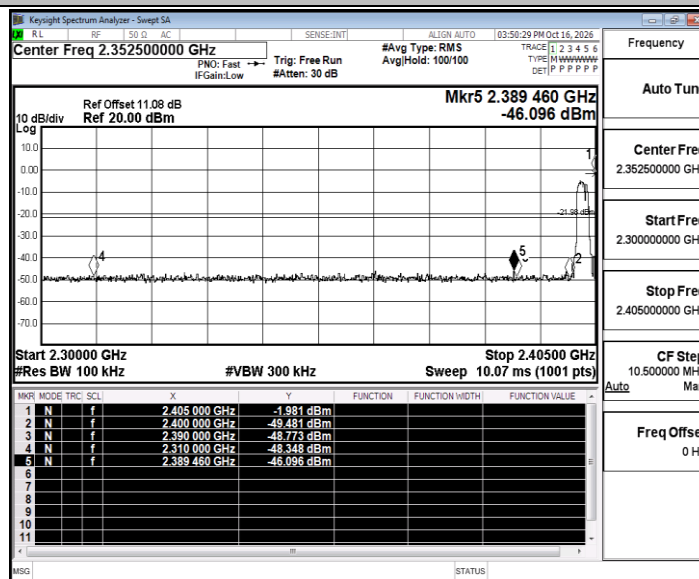
3DH5_Ant1_Low_2402



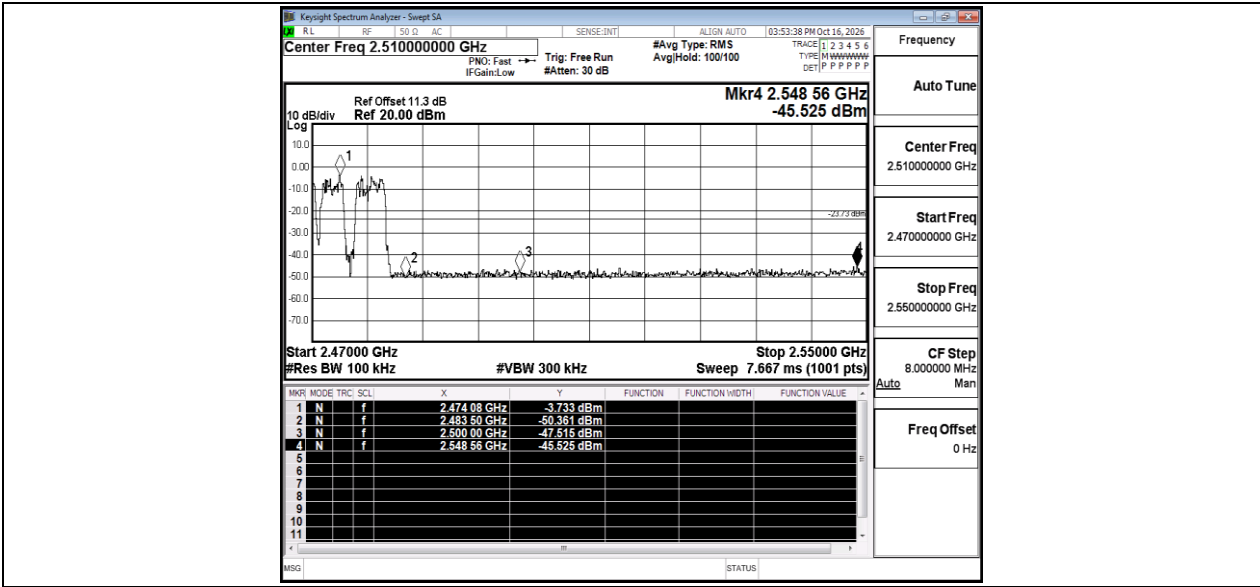
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



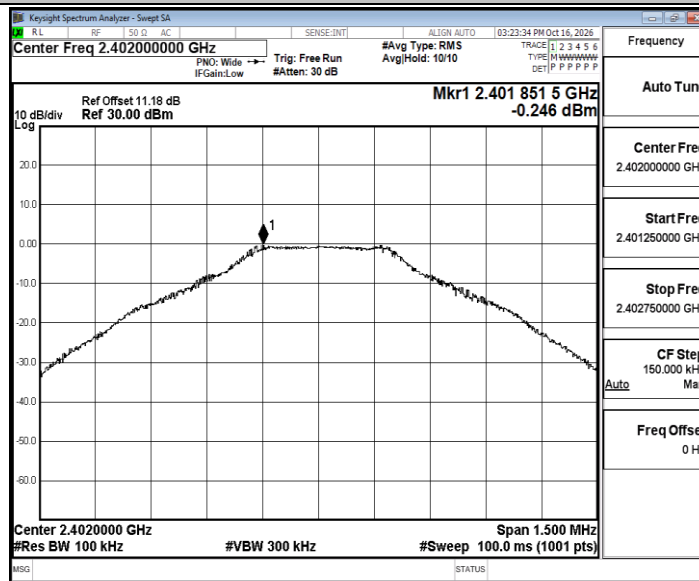
A.7 Conducted Spurious Emission

Test Result

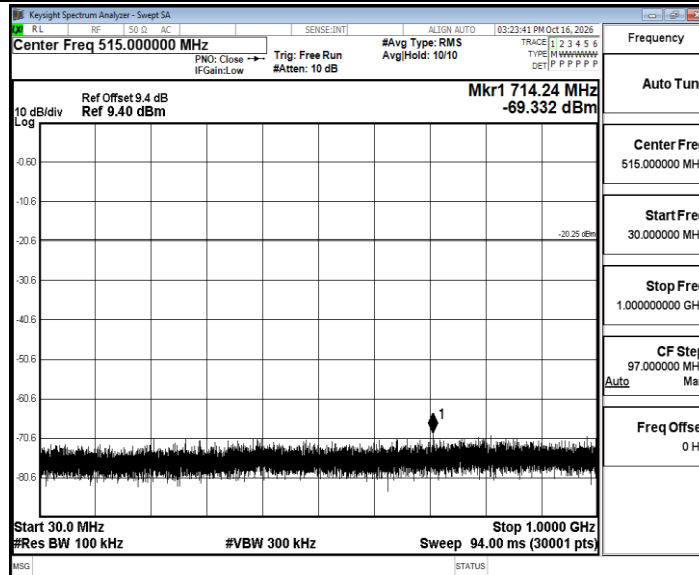
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.25	-0.25	---	PASS
			30~1000	-0.25	-69.33	≤-20.25	PASS
			1000~26500	-0.25	-36.61	≤-20.25	PASS
		2441	Reference	-0.30	-0.30	---	PASS
			30~1000	-0.30	-70.03	≤-20.3	PASS
			1000~26500	-0.30	-36.03	≤-20.3	PASS
		2480	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-70.39	≤-20.28	PASS
			1000~26500	-0.28	-39.74	≤-20.28	PASS
2DH5	Ant1	2402	Reference	-0.32	-0.32	---	PASS
			30~1000	-0.32	-69.53	≤-20.32	PASS
			1000~26500	-0.32	-36.77	≤-20.32	PASS
		2441	Reference	-0.31	-0.31	---	PASS
			30~1000	-0.31	-69.62	≤-20.31	PASS
			1000~26500	-0.31	-39.21	≤-20.31	PASS
		2480	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-68.99	≤-20.28	PASS
			1000~26500	-0.28	-40.95	≤-20.28	PASS
3DH5	Ant1	2402	Reference	-0.24	-0.24	---	PASS
			30~1000	-0.24	-69.77	≤-20.24	PASS
			1000~26500	-0.24	-39.67	≤-20.24	PASS
		2441	Reference	-0.30	-0.30	---	PASS
			30~1000	-0.30	-70	≤-20.3	PASS
			1000~26500	-0.30	-40.4	≤-20.3	PASS
		2480	Reference	-0.30	-0.30	---	PASS
			30~1000	-0.30	-69.64	≤-20.3	PASS
			1000~26500	-0.30	-41.82	≤-20.3	PASS

Test Graphs

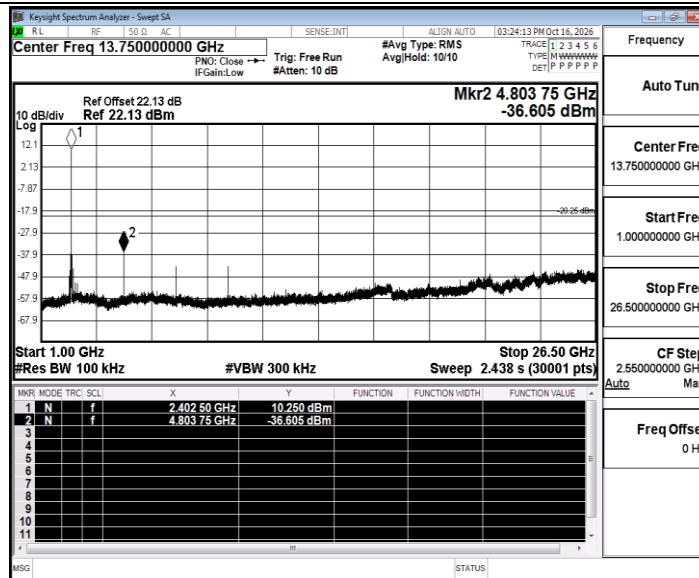
DH5_Ant1_2402_0~Reference



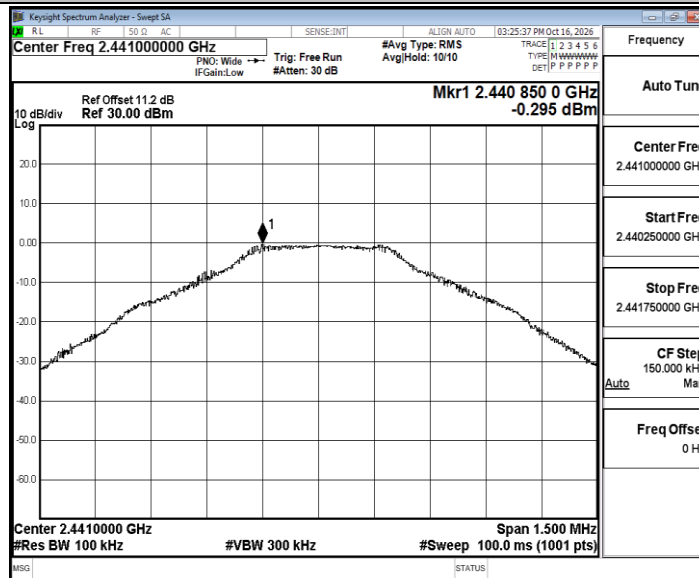
DH5_Ant1_2402_30~1000



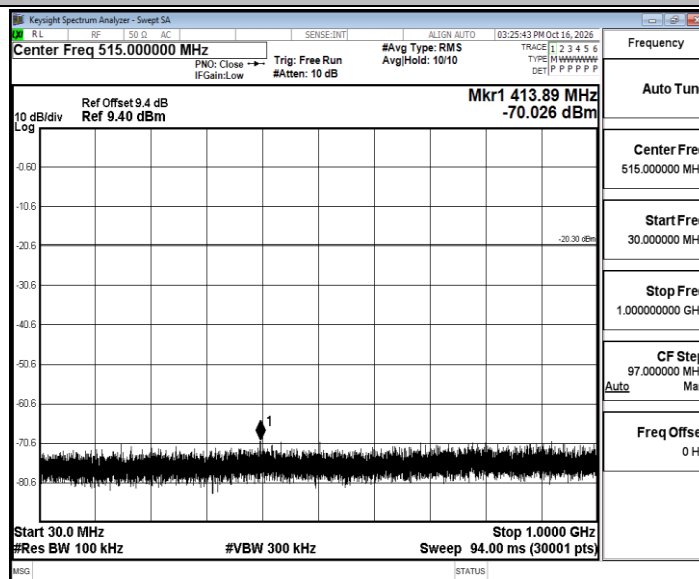
DH5_Ant1_2402_1000~26500



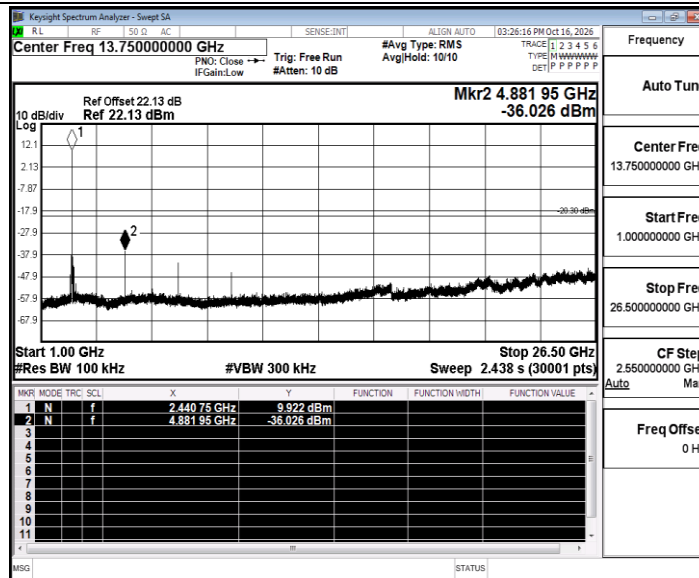
DH5_Ant1_2441_0~Reference



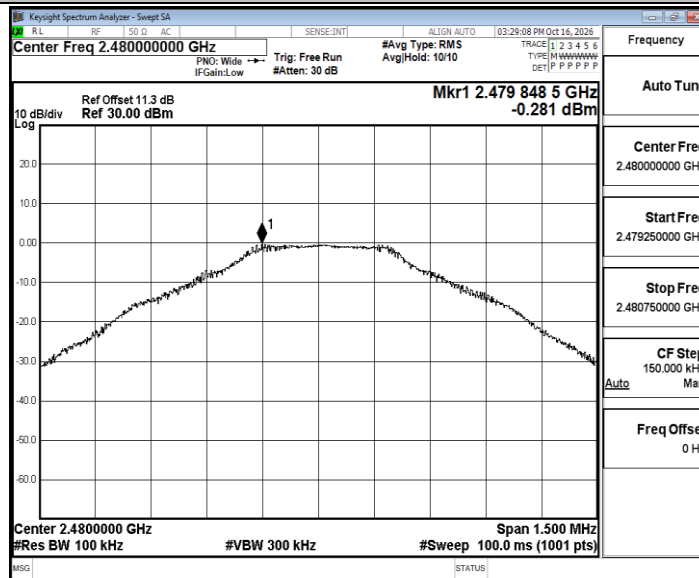
DH5_Ant1_2441_30~1000



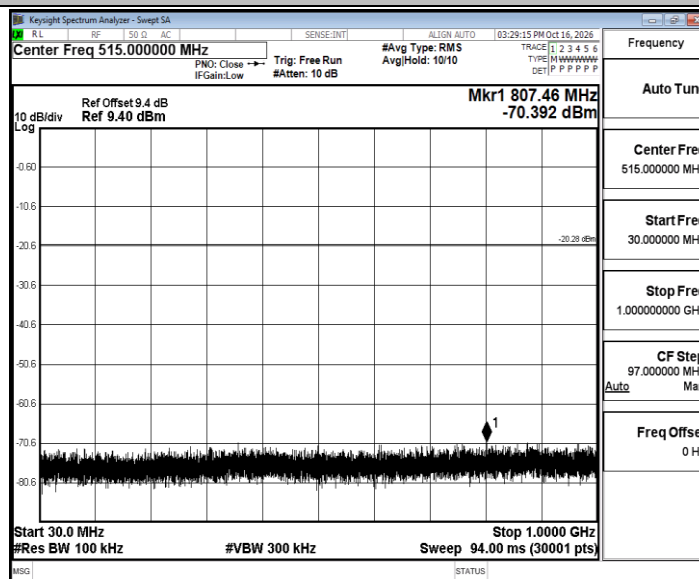
DH5_Ant1_2441_1000~26500



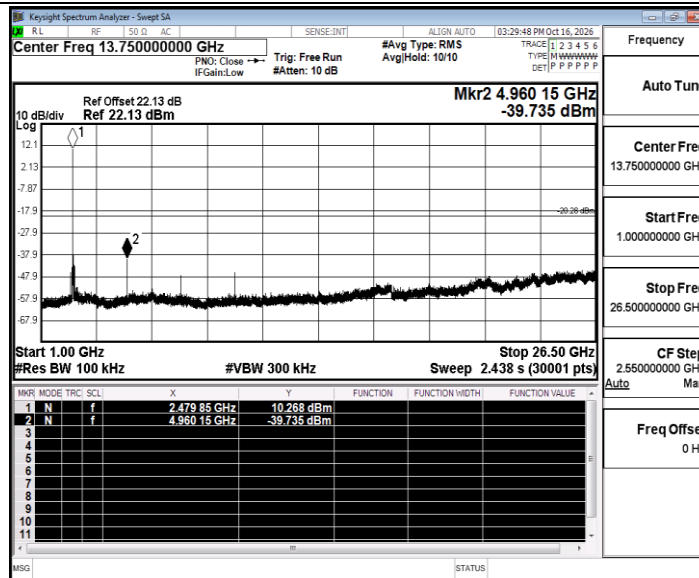
DH5_Ant1_2480_0~Reference



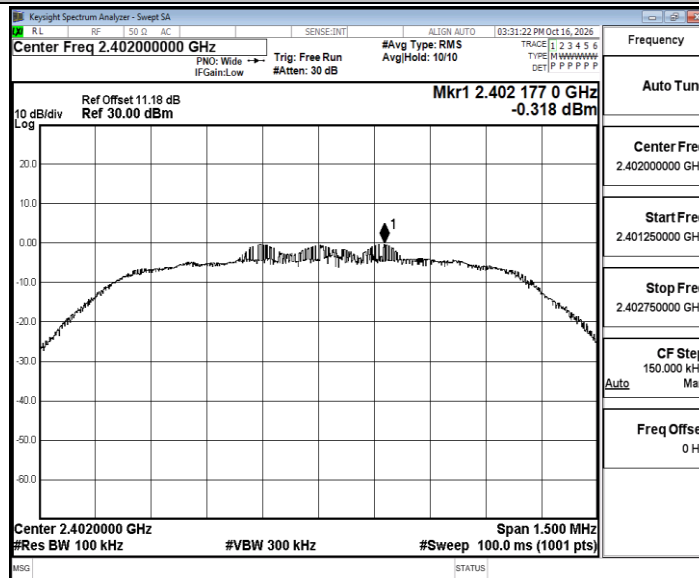
DH5_Ant1_2480_30~1000



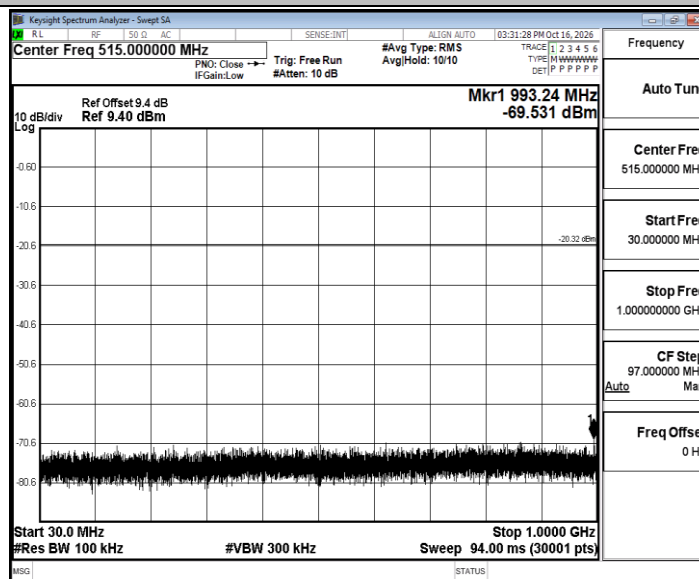
DH5_Ant1_2480_1000~26500



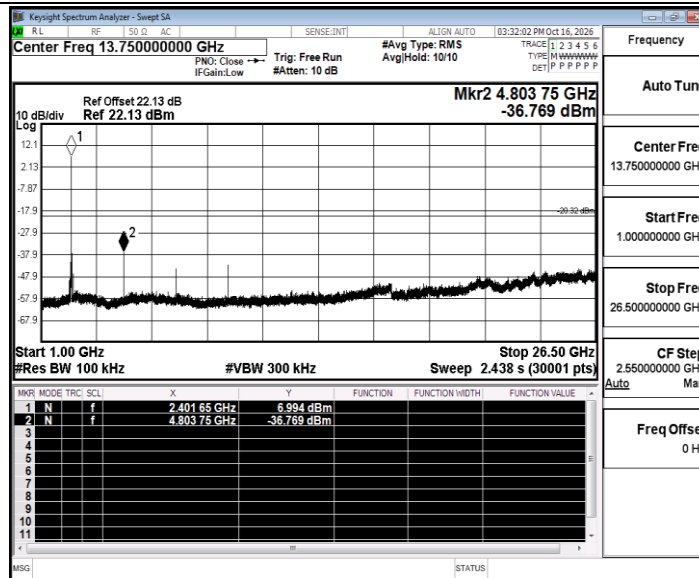
2DH5_Ant1_2402_0~Reference



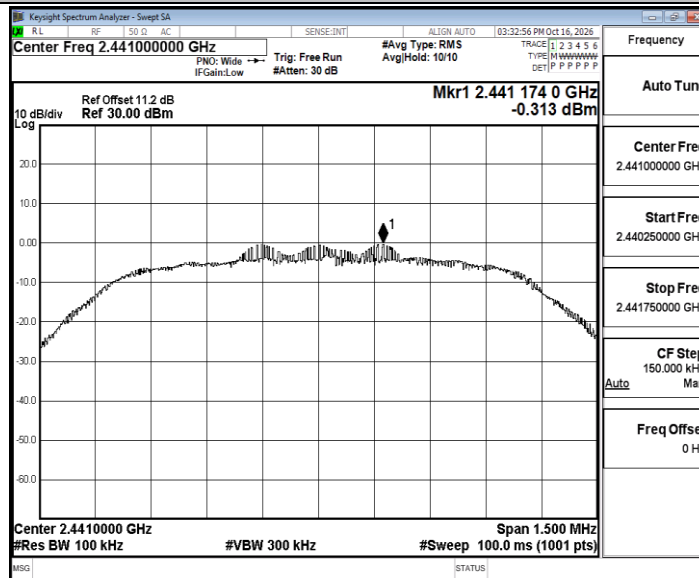
2DH5_Ant1_2402_30~1000



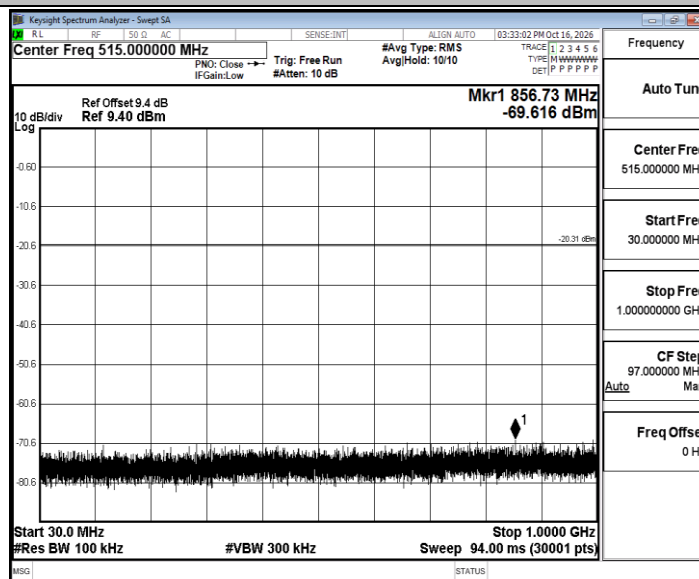
2DH5_Ant1_2402_1000~26500



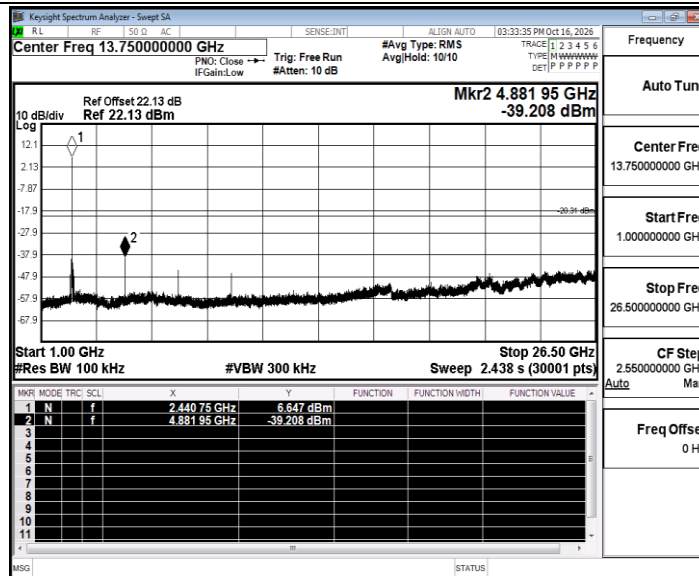
2DH5_Ant1_2441_0~Reference



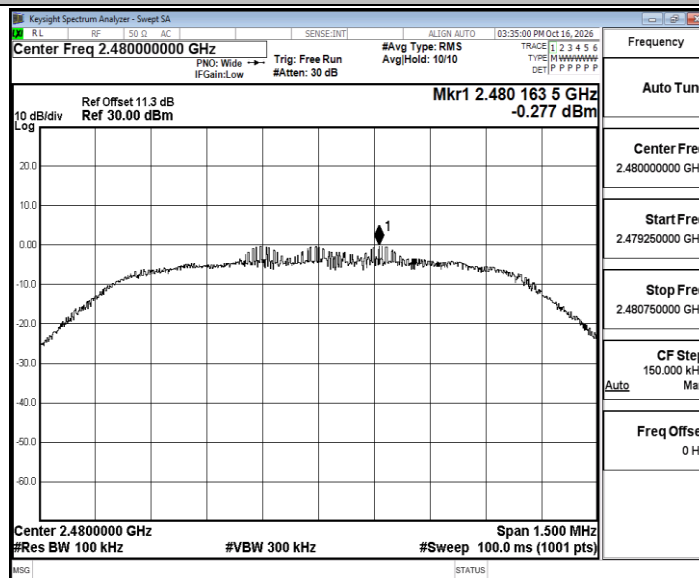
2DH5_Ant1_2441_30~1000



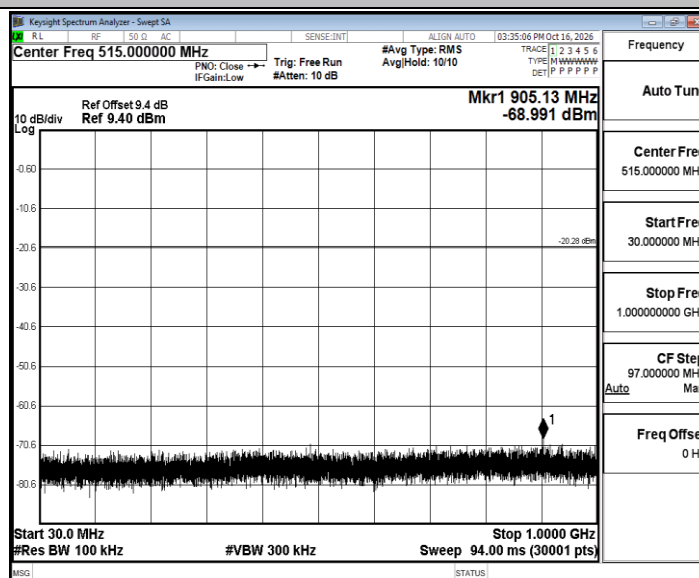
2DH5_Ant1_2441_1000~26500



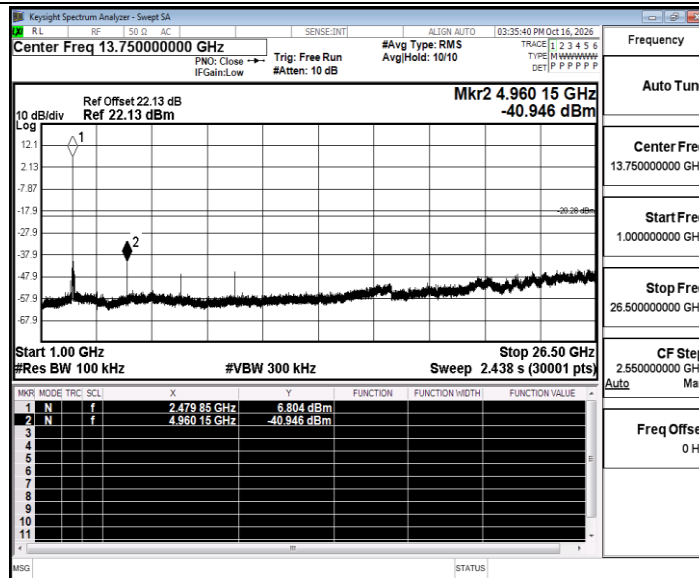
2DH5_Ant1_2480_0~Reference



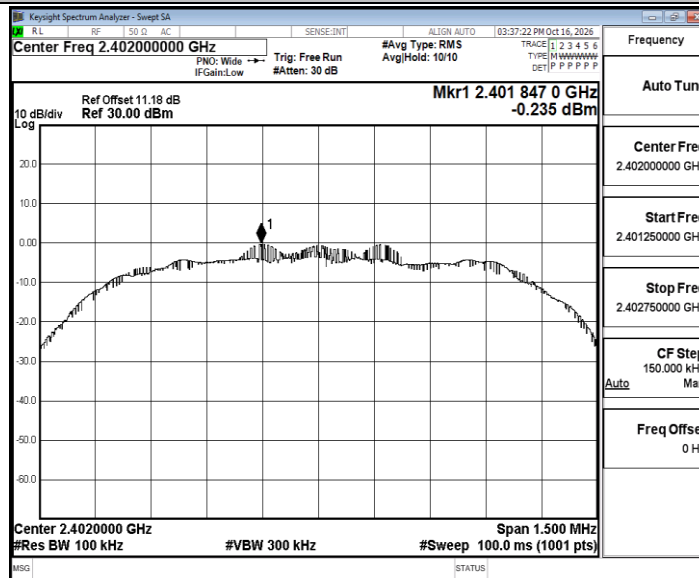
2DH5_Ant1_2480_30~1000



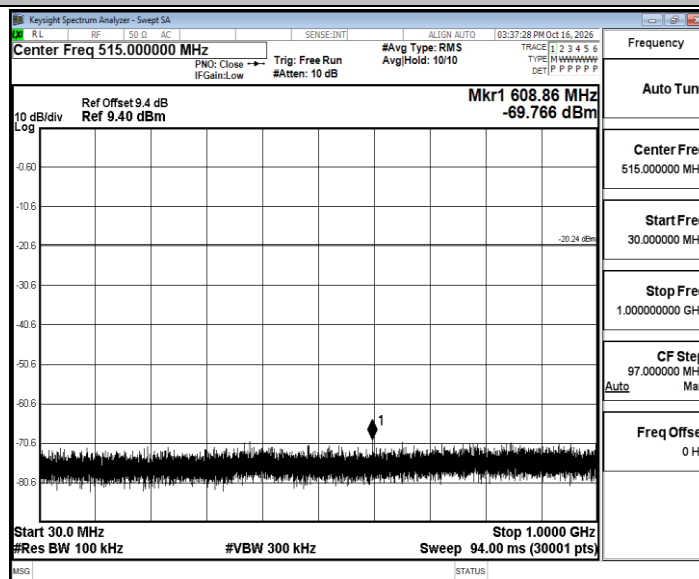
2DH5_Ant1_2480_1000~26500



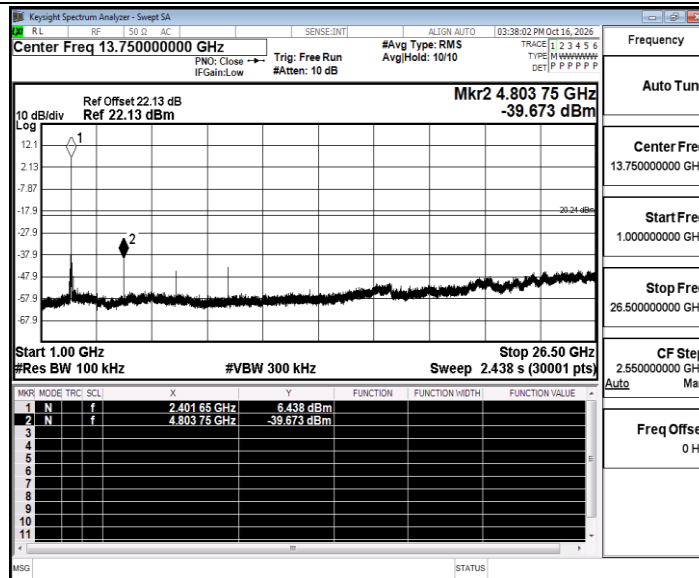
3DH5_Ant1_2402_0~Reference



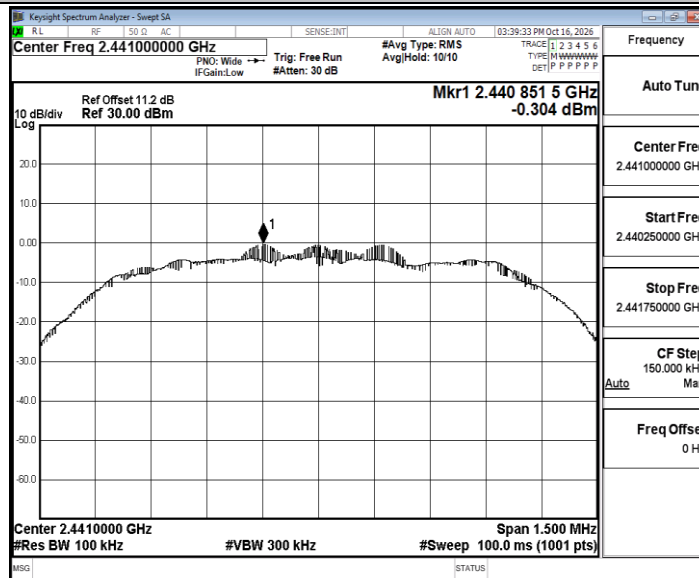
3DH5_Ant1_2402_30~1000



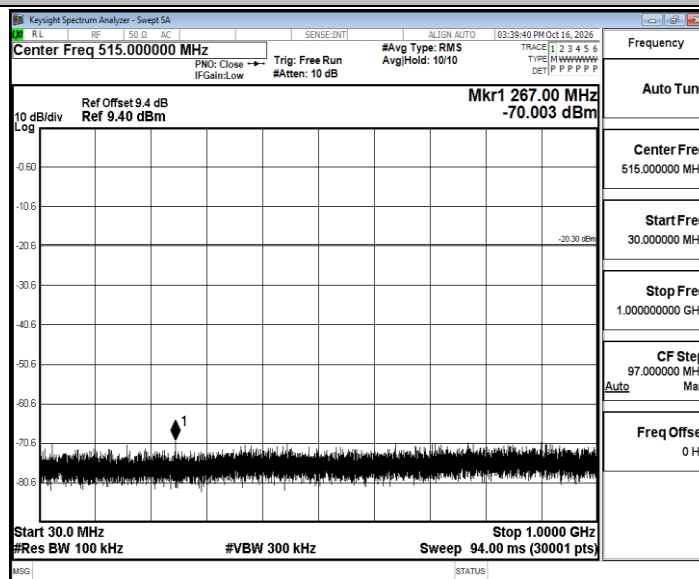
3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500