



Appendix Test Data for BT(BR/EDR) (Conducted Measurement)

Product Name: Bluetooth Earbuds

Trade Mark: /

Test Model: BH26HT22A

FCC ID: RDR-HT22AL

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.960	2401.529	2402.489	---	---
DH5	Ant1	2441	0.957	2440.532	2441.489	---	---
DH5	Ant1	2480	0.954	2479.535	2480.489	---	---
2DH5	Ant1	2402	1.290	2401.364	2402.654	---	---
2DH5	Ant1	2441	1.284	2440.364	2441.648	---	---
2DH5	Ant1	2480	1.284	2479.367	2480.651	---	---

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402





2DH5-Ant1-2441



2DH5-Ant1-2480





Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.86606	2401.5620	2402.4281	---	---
DH5	Ant1	2441	0.87311	2440.5638	2441.4369	---	---
DH5	Ant1	2480	0.87252	2479.5616	2480.4341	---	---
2DH5	Ant1	2402	1.1936	2401.4019	2402.5955	---	---
2DH5	Ant1	2441	1.1886	2440.4036	2441.5922	---	---
2DH5	Ant1	2480	1.1797	2479.4067	2480.5864	---	---

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



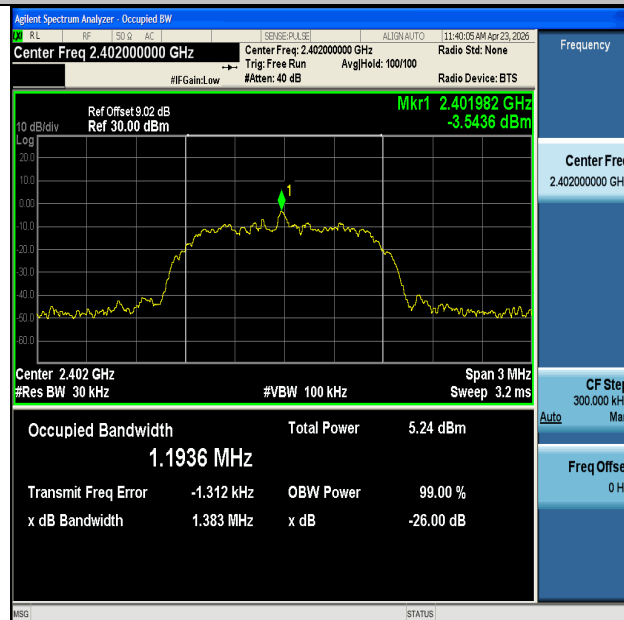


Test Graphs





DH5-Ant1-2480

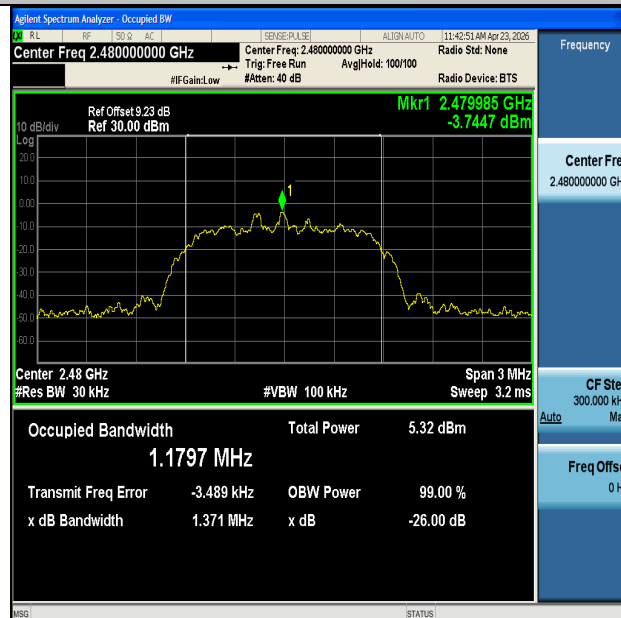


2DH5-Ant1-2402





2DH5-Ant1-2441



2DH5-Ant1-2480





Appendix C: Maximum peak conducted output power

Test Result

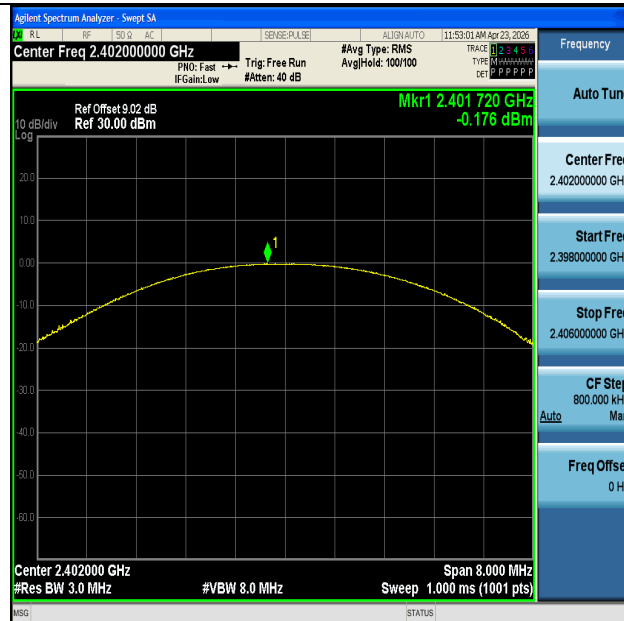
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-0.18	≤30	PASS
DH5	Ant1	2441	-0.16	≤30	PASS
DH5	Ant1	2480	-0.59	≤30	PASS
2DH5	Ant1	2402	0.68	≤20.97	PASS
2DH5	Ant1	2441	0.63	≤20.97	PASS
2DH5	Ant1	2480	0.21	≤20.97	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

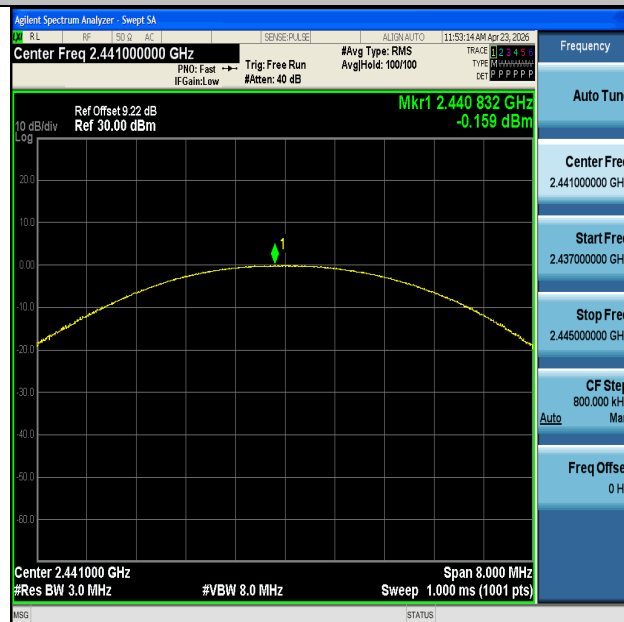




Test Graphs

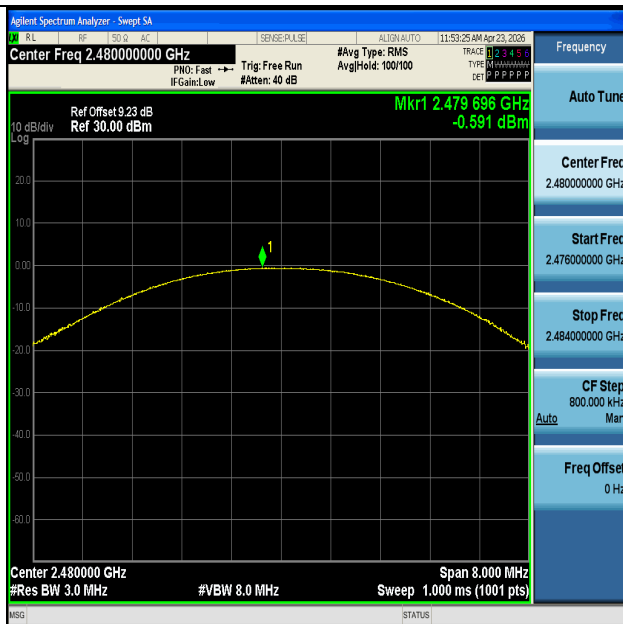


DH5-Ant1-2402-PASS

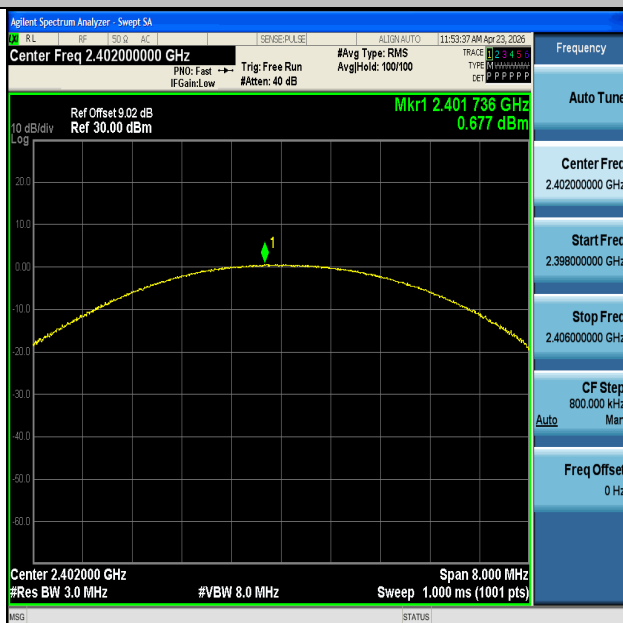


DH5-Ant1-2441-PASS



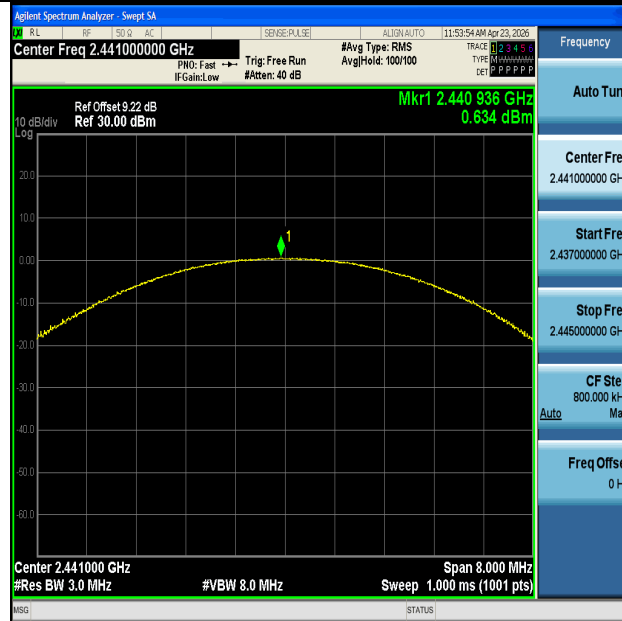


DH5-Ant1-2480-PASS

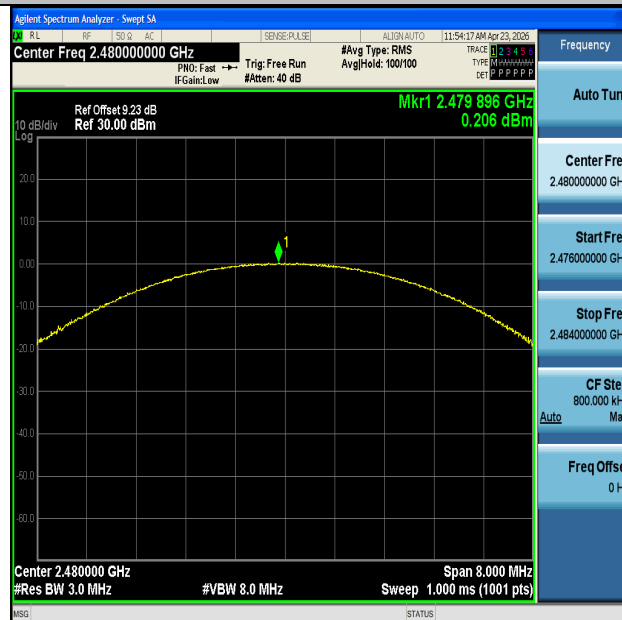


2DH5-Ant1-2402-PASS





2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS





Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.984	≥ 0.960	PASS
2DH5	Ant1	Hop	1.142	≥ 0.860	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





Appendix E: Time of occupancy

Test Result

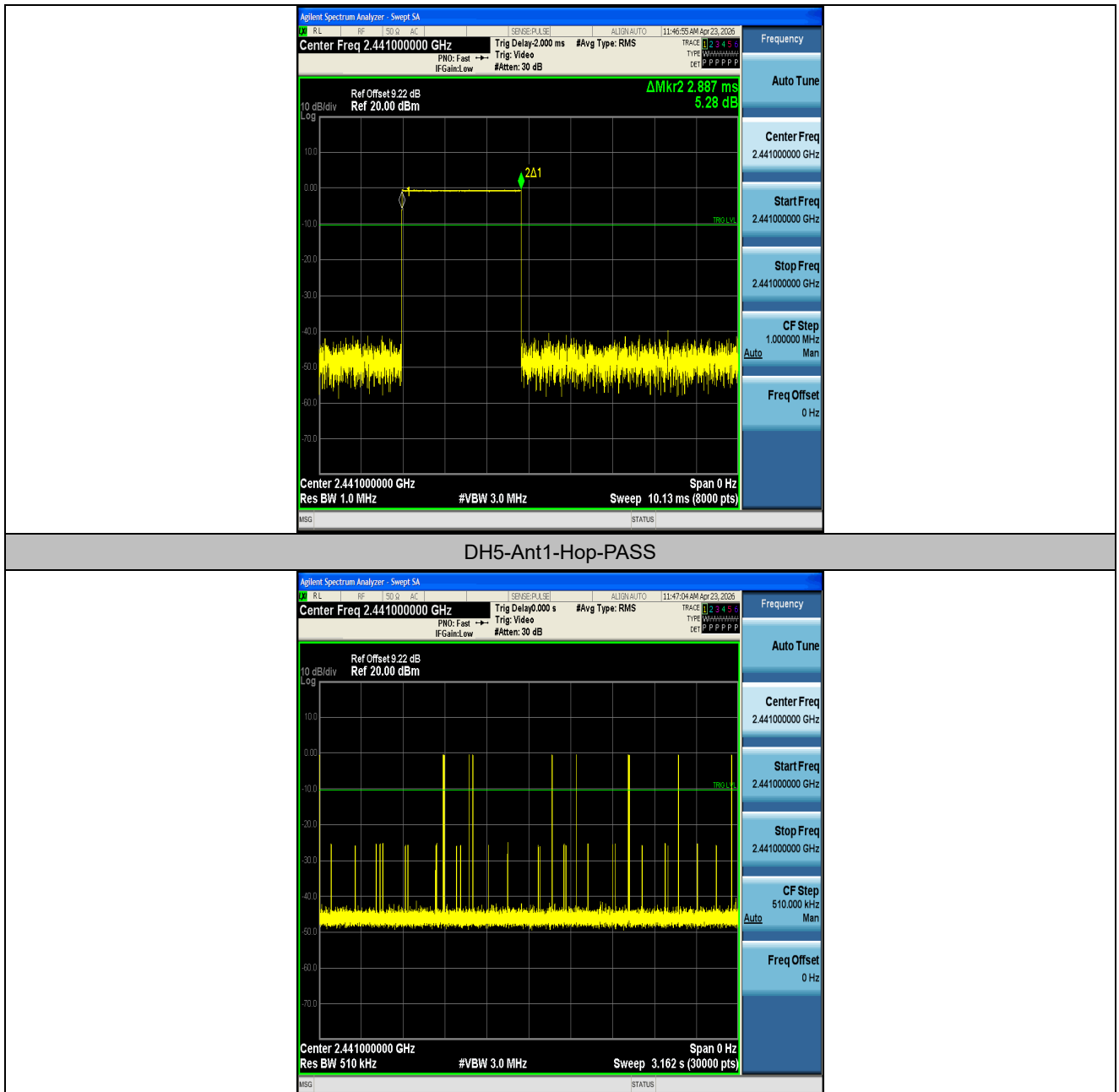
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.887	110	0.318	≤0.4	PASS
2DH5	Ant1	Hop	2.894	80	0.232	≤0.4	PASS

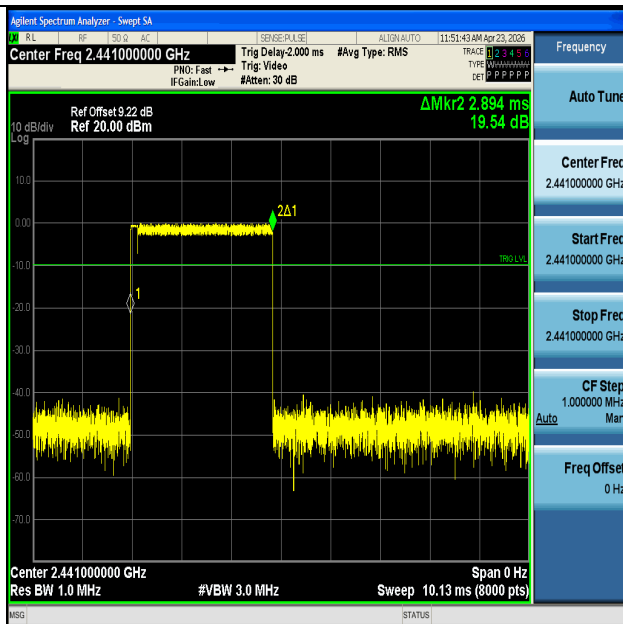
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



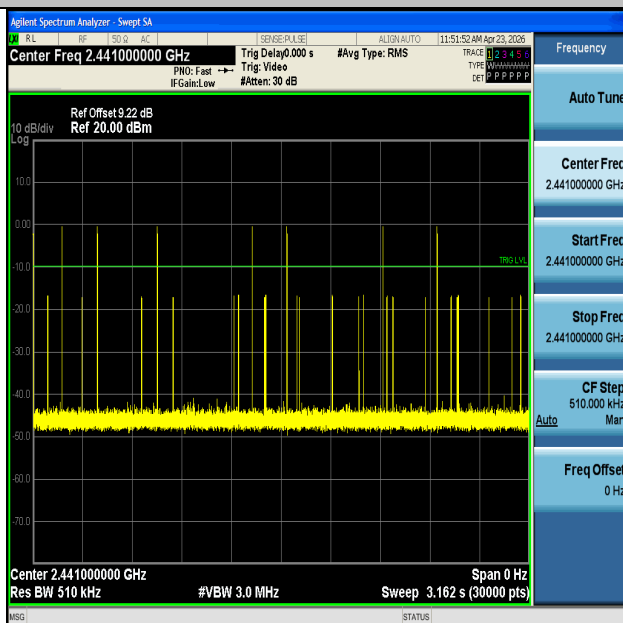


Test Graphs





2DH5-Ant1-Hop-PASS





Appendix F: Number of hopping channels

Test Result

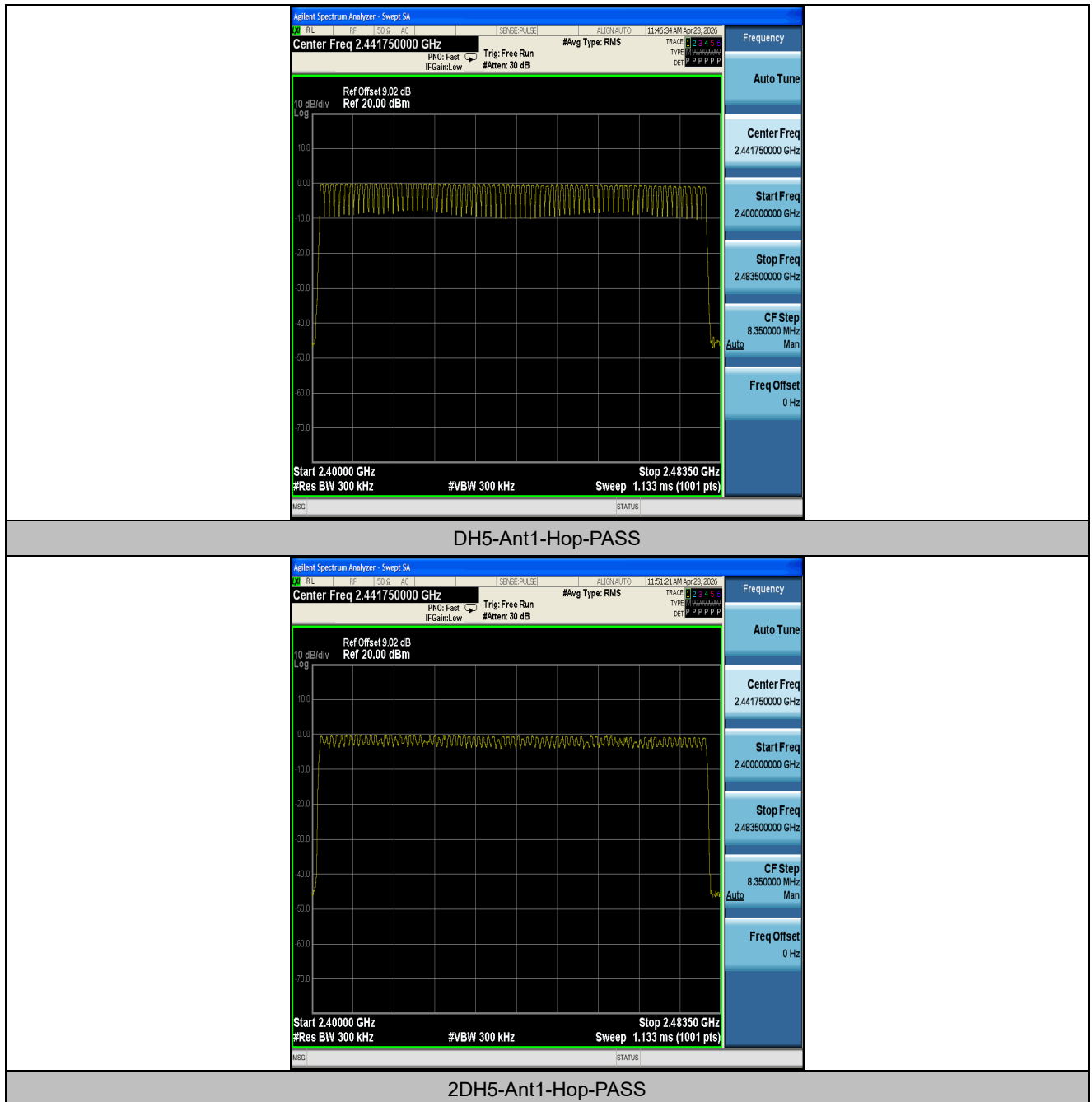
Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





Appendix G: Band edge measurements

Test Result

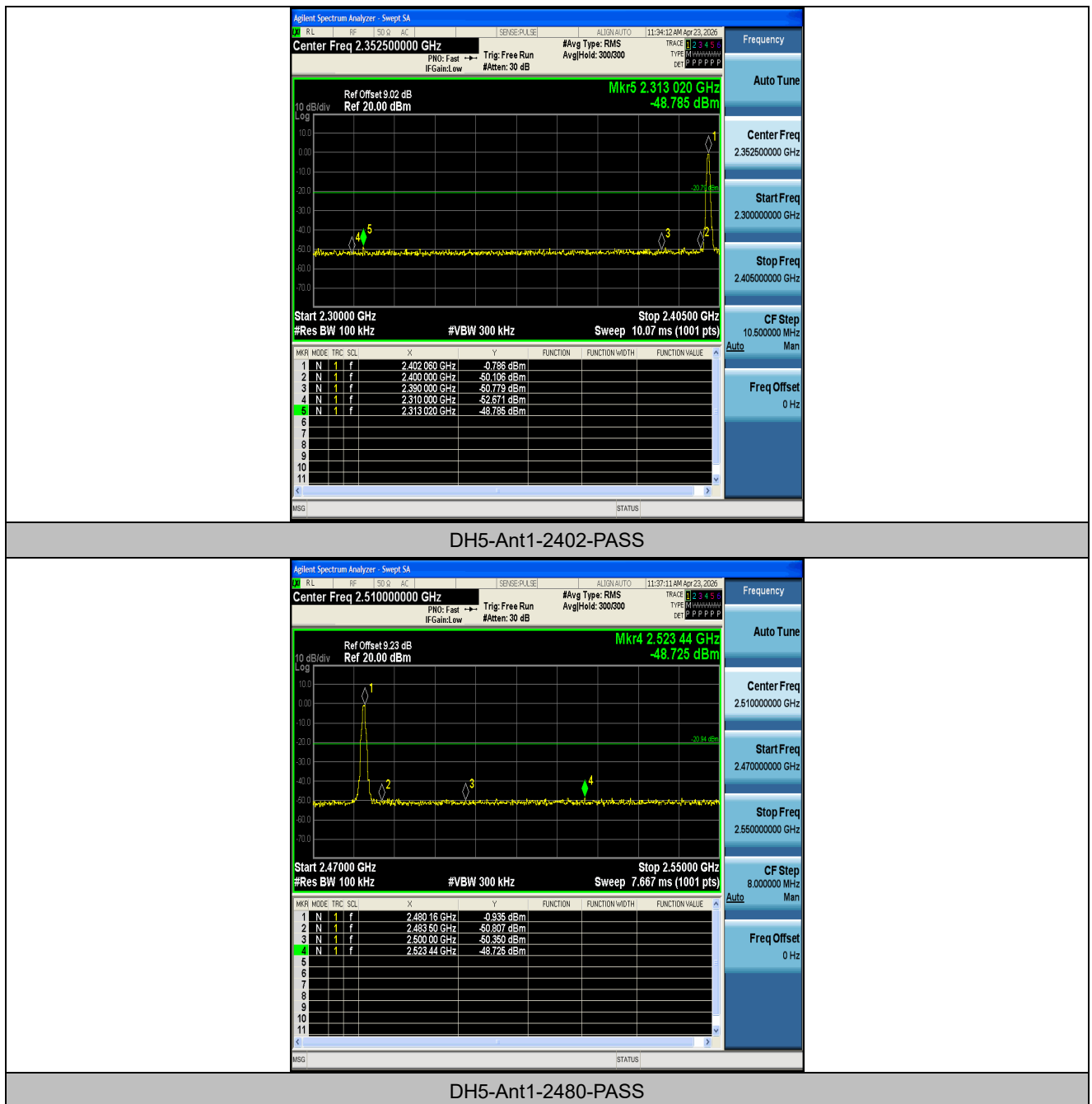
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.79	-48.79	≤ -20.79	PASS
DH5	Ant1	High	2480	-0.94	-48.73	≤ -20.94	PASS
DH5	Ant1	Low	Hop_2402	-2.02	-49.53	≤ -22.02	PASS
DH5	Ant1	High	Hop_2480	-0.98	-48.51	≤ -20.98	PASS
2DH5	Ant1	Low	2402	-0.52	-48.15	≤ -20.52	PASS
2DH5	Ant1	High	2480	-0.92	-48.65	≤ -20.92	PASS
2DH5	Ant1	Low	Hop_2402	-4.83	-49.42	≤ -24.83	PASS
2DH5	Ant1	High	Hop_2480	-1.46	-47.31	≤ -21.46	PASS

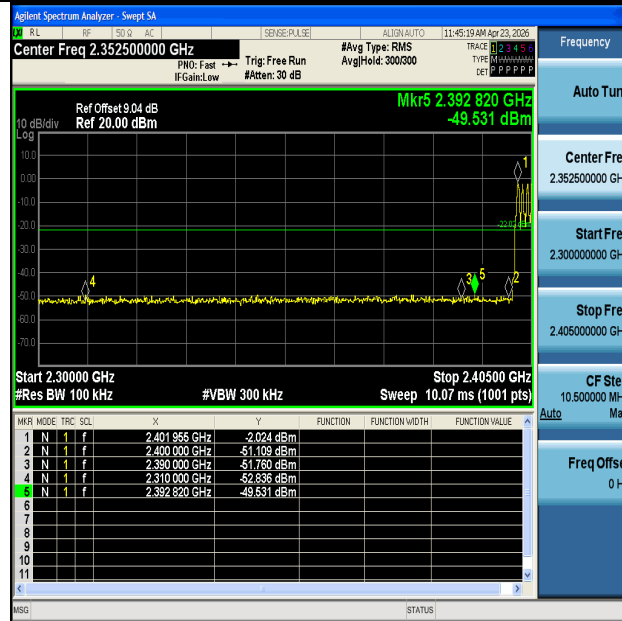
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



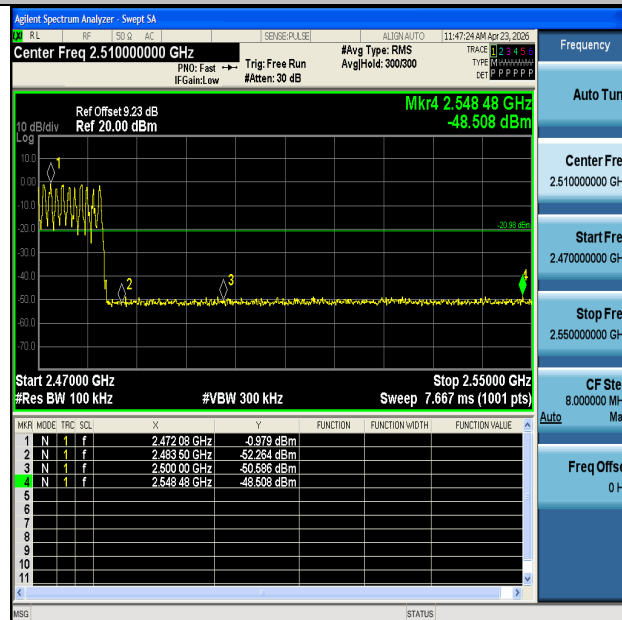


Test Graphs



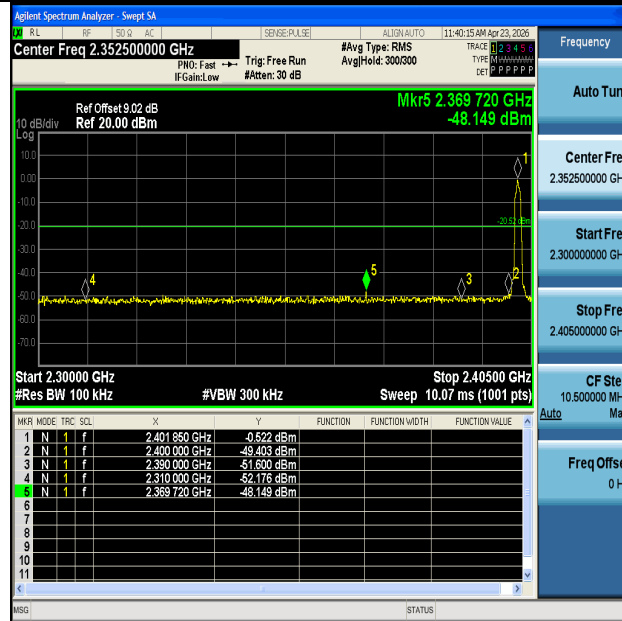


DH5-Ant1-Hop_2402-PASS

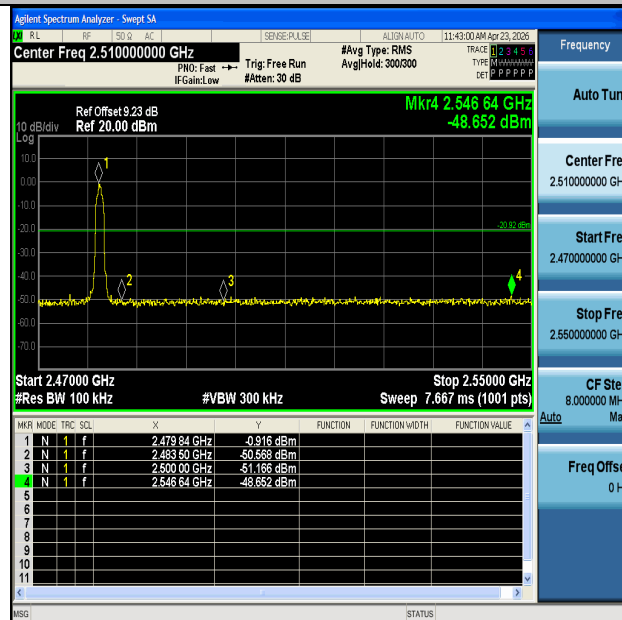


DH5-Ant1-Hop_2480-PASS



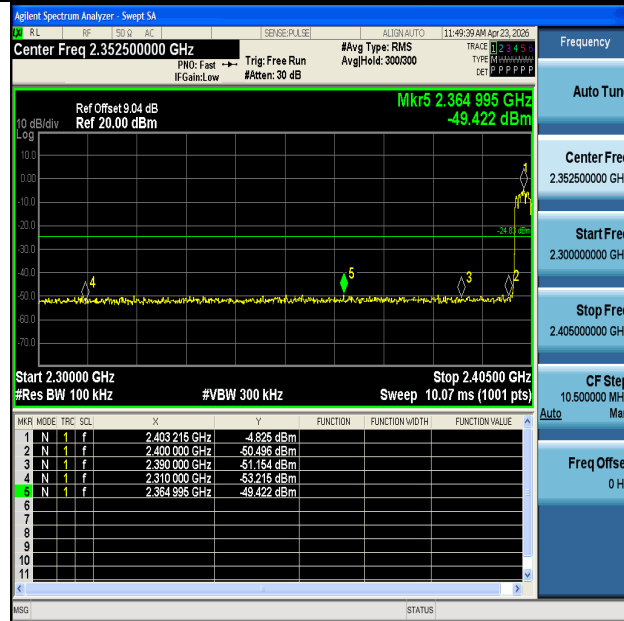


2DH5-Ant1-2402-PASS

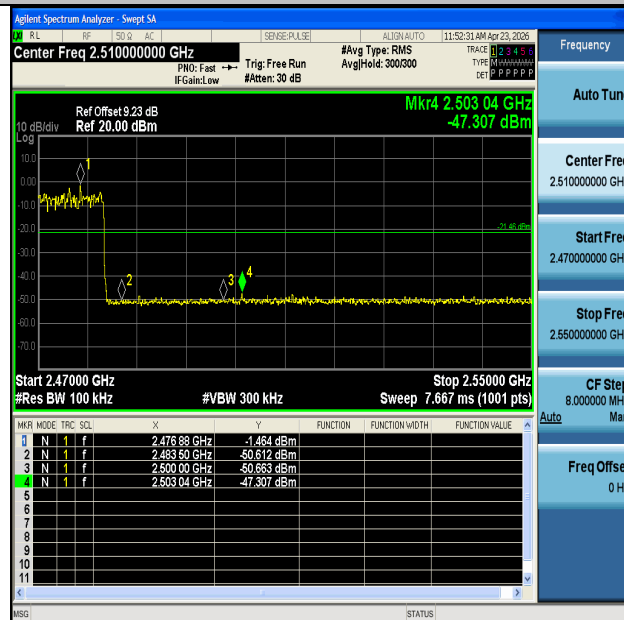


2DH5-Ant1-2480-PASS





2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS





Appendix H: Conducted Spurious Emission

Test Result

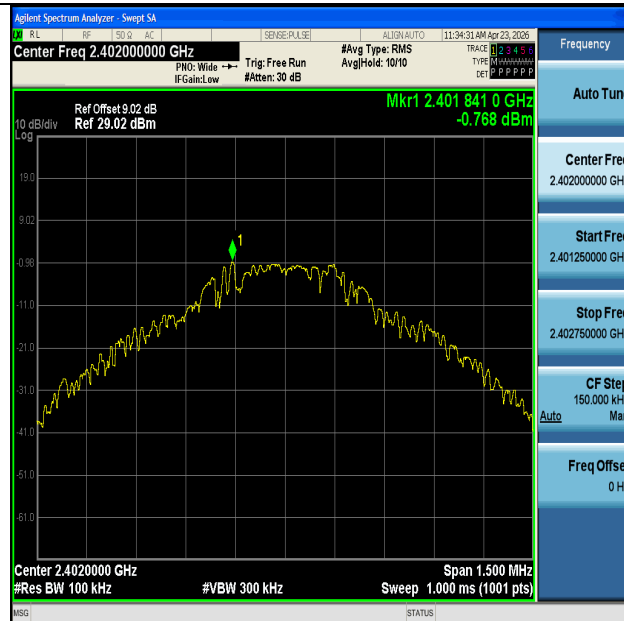
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.77	-0.77	---	PASS
DH5	Ant1	2402	30~1000	-0.77	-62.28	≤ -20.77	PASS
DH5	Ant1	2402	1000~26500	-0.77	-37.89	≤ -20.77	PASS
DH5	Ant1	2441	0~Reference	-1.17	-1.17	---	PASS
DH5	Ant1	2441	30~1000	-1.17	-61.25	≤ -21.17	PASS
DH5	Ant1	2441	1000~26500	-1.17	-37.65	≤ -21.17	PASS
DH5	Ant1	2480	0~Reference	-1.68	-1.68	---	PASS
DH5	Ant1	2480	30~1000	-1.68	-62.5	≤ -21.68	PASS
DH5	Ant1	2480	1000~26500	-1.68	-37.59	≤ -21.68	PASS
2DH5	Ant1	2402	0~Reference	-0.60	-0.60	---	PASS
2DH5	Ant1	2402	30~1000	-0.60	-62.14	≤ -20.6	PASS
2DH5	Ant1	2402	1000~26500	-0.60	-37.24	≤ -20.6	PASS
2DH5	Ant1	2441	0~Reference	-1.03	-1.03	---	PASS
2DH5	Ant1	2441	30~1000	-1.03	-60.99	≤ -21.03	PASS
2DH5	Ant1	2441	1000~26500	-1.03	-37.17	≤ -21.03	PASS
2DH5	Ant1	2480	0~Reference	-5.35	-5.35	---	PASS
2DH5	Ant1	2480	30~1000	-5.35	-62.83	≤ -25.35	PASS
2DH5	Ant1	2480	1000~26500	-5.35	-37.32	≤ -25.35	PASS

Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

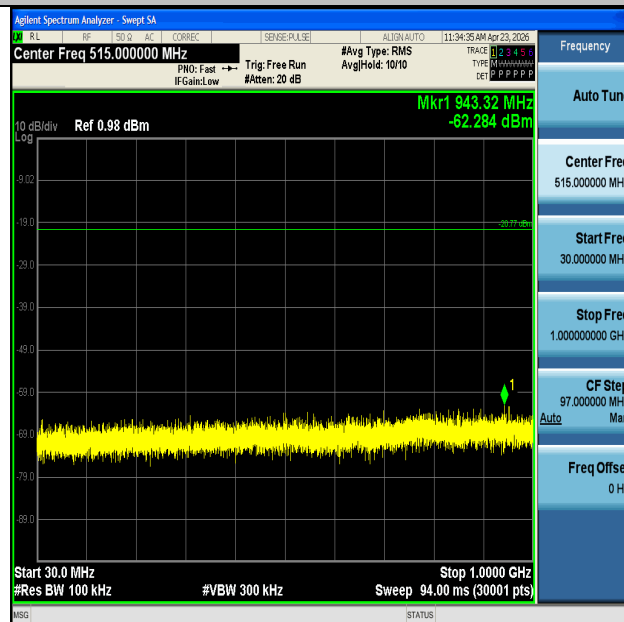




Test Graphs

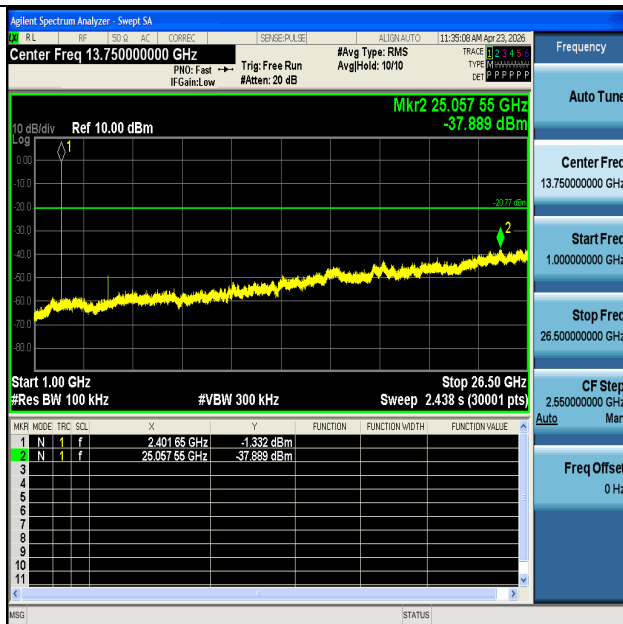


DH5-Ant1-2402-0~Reference-PASS

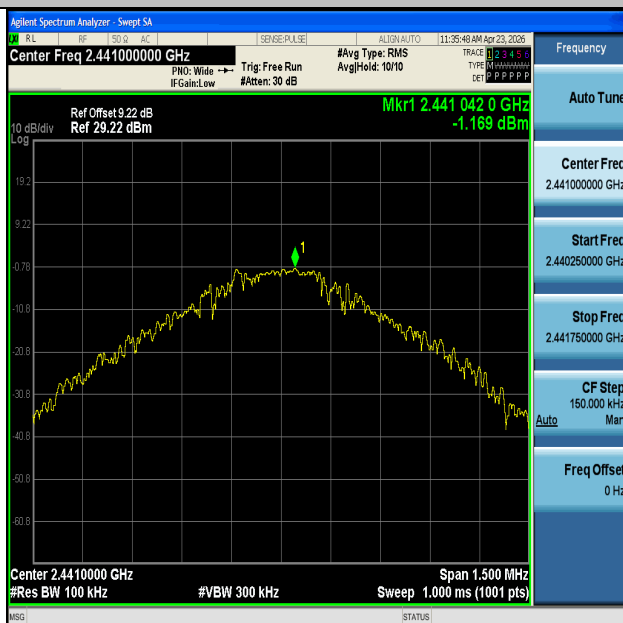


DH5-Ant1-2402-30~1000-PASS



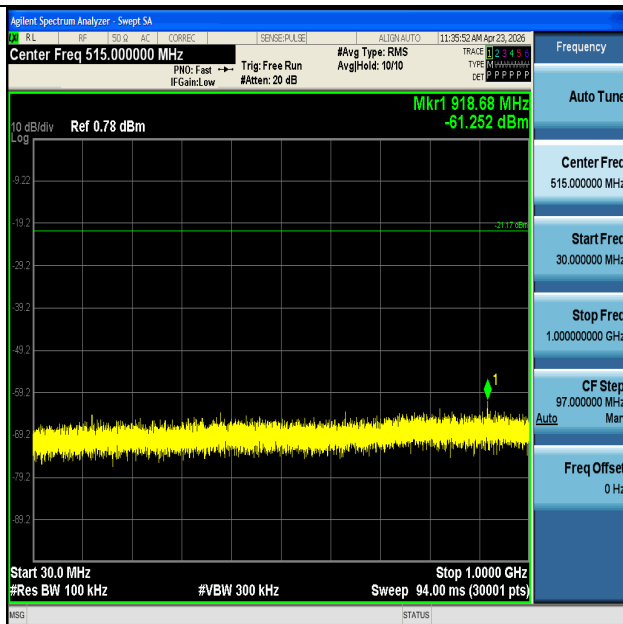


DH5-Ant1-2402-1000~26500-PASS

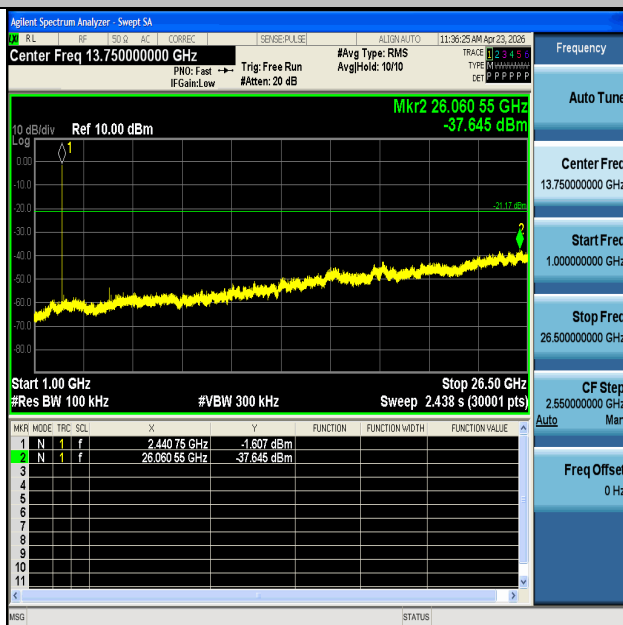


DH5-Ant1-2441-0~Reference-PASS



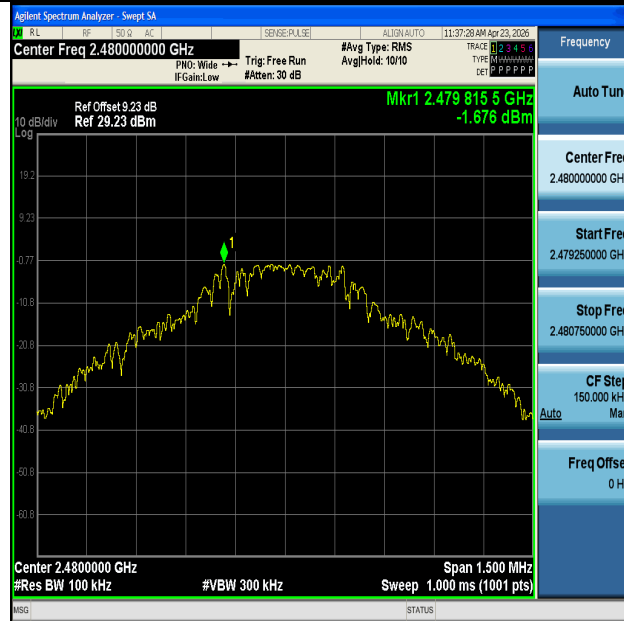


DH5-Ant1-2441-30~1000-PASS

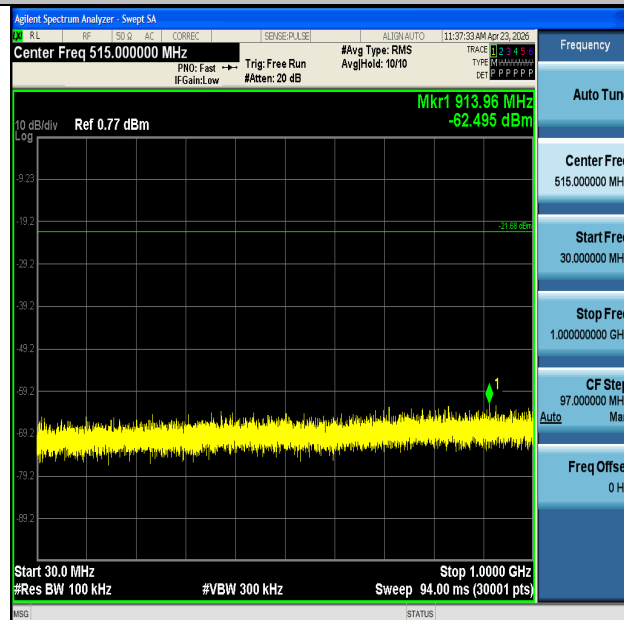


DH5-Ant1-2441-1000~26500-PASS



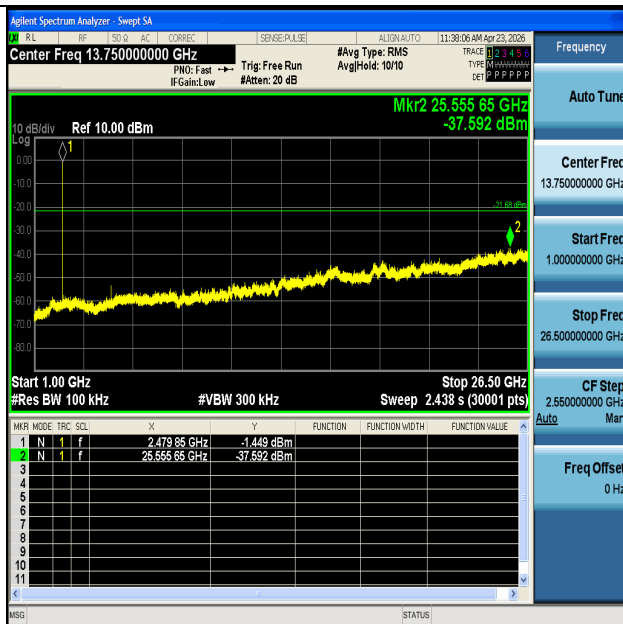


DH5-Ant1-2480-0~Reference-PASS

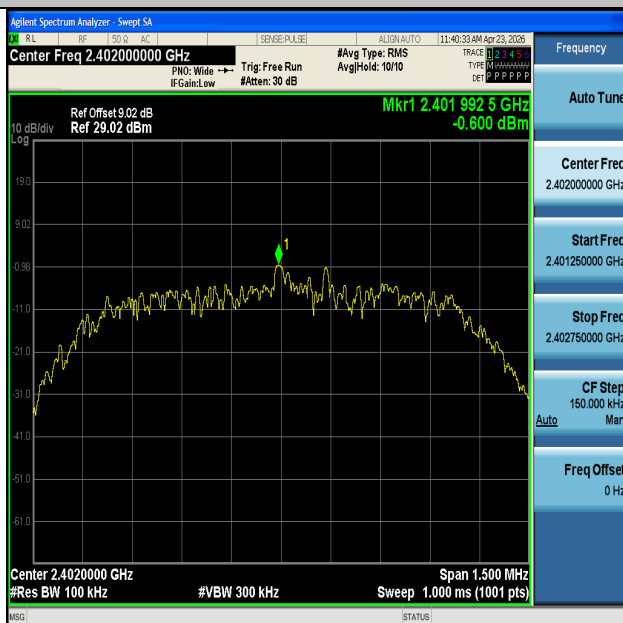


DH5-Ant1-2480-30~1000-PASS



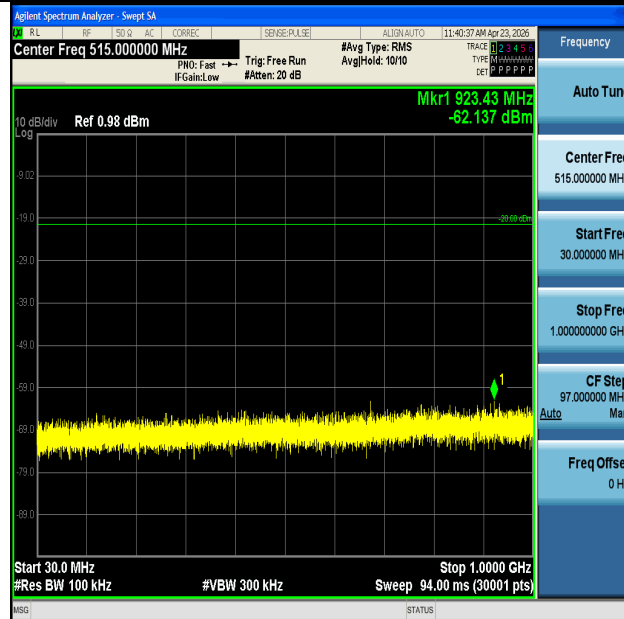


DH5-Ant1-2480-1000~26500-PASS



2DH5-Ant1-2402-0~Reference-PASS



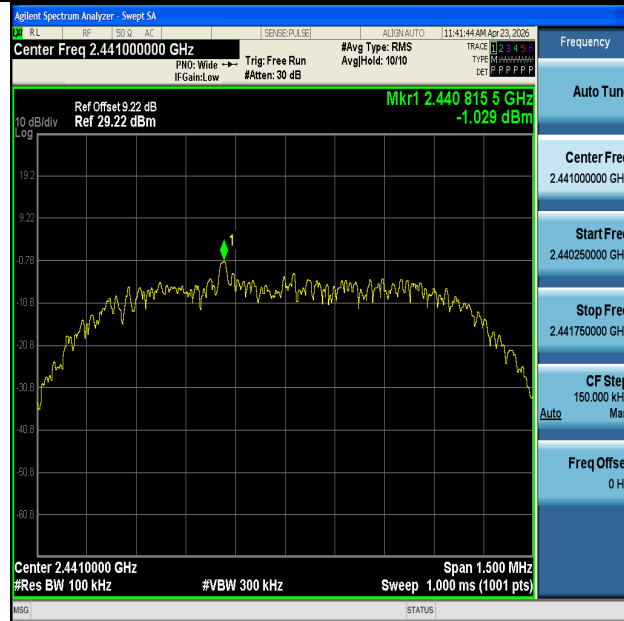


2DH5-Ant1-2402-30~1000-PASS

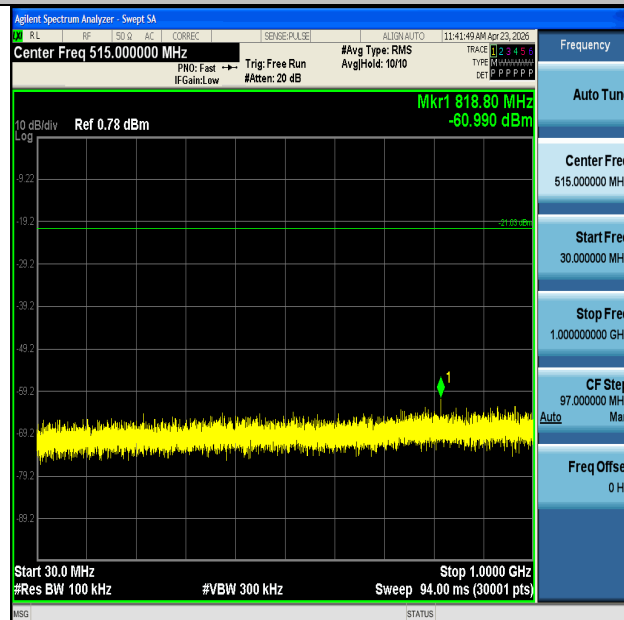


2DH5-Ant1-2402-1000~26500-PASS





2DH5-Ant1-2441-0~Reference-PASS

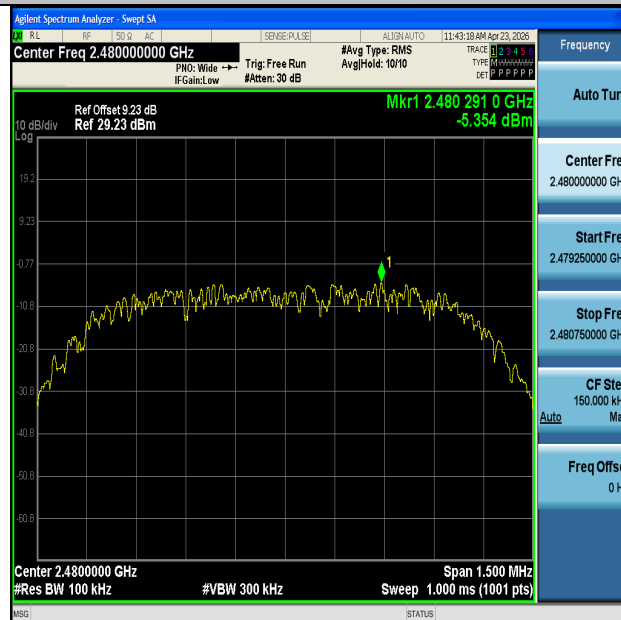


2DH5-Ant1-2441-30~1000-PASS



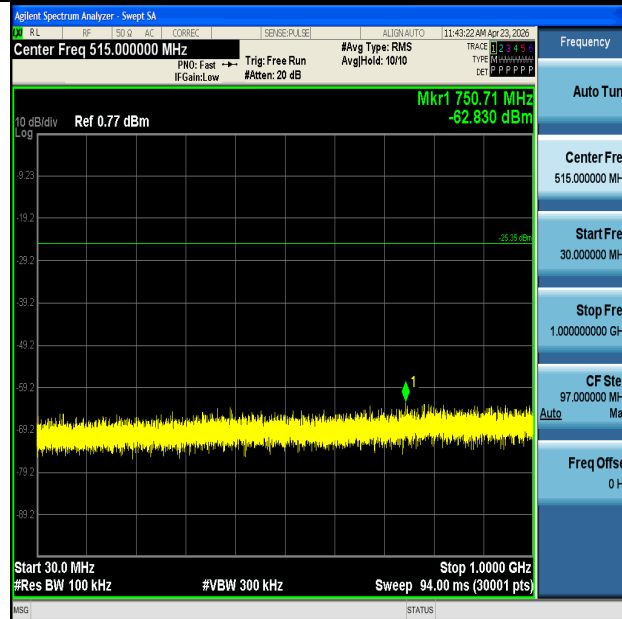


2DH5-Ant1-2441-1000~26500-PASS

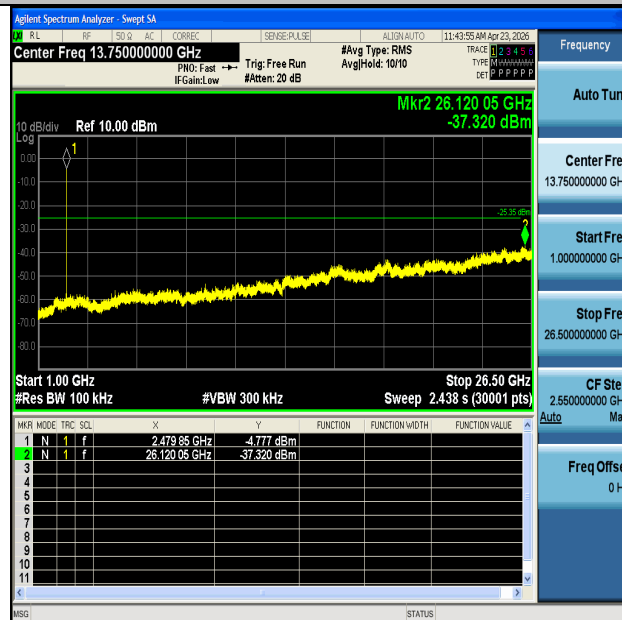


2DH5-Ant1-2480-0~Reference-PASS





2DH5-Ant1-2480-30~1000-PASS



2DH5-Ant1-2480-1000~26500-PASS





Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

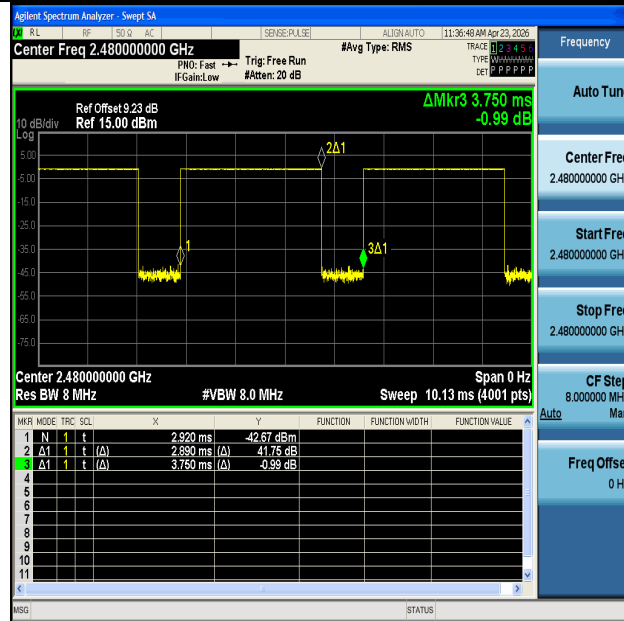
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



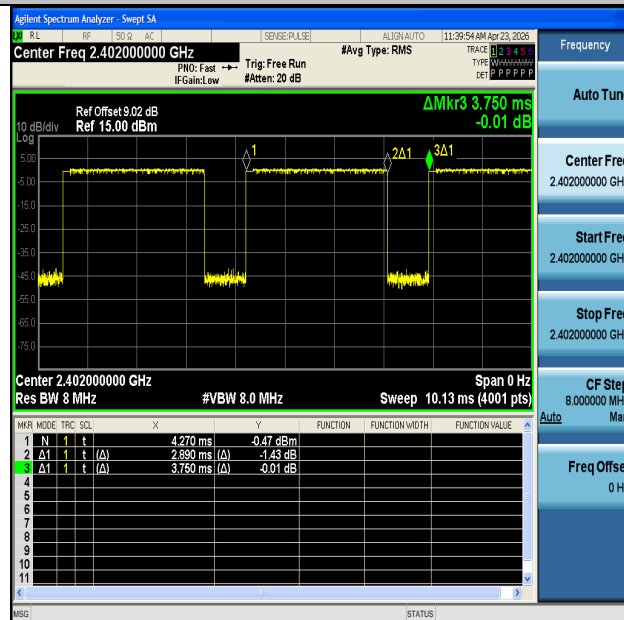


Test Graphs



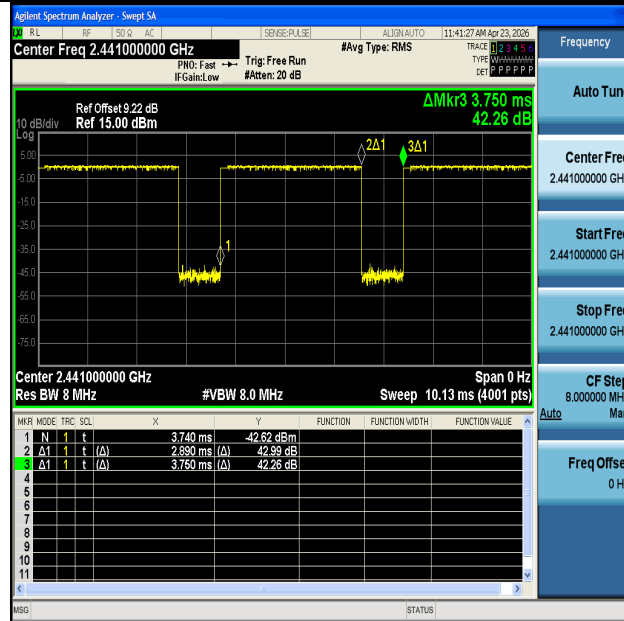


NTNV-DH5-Ant1-2480

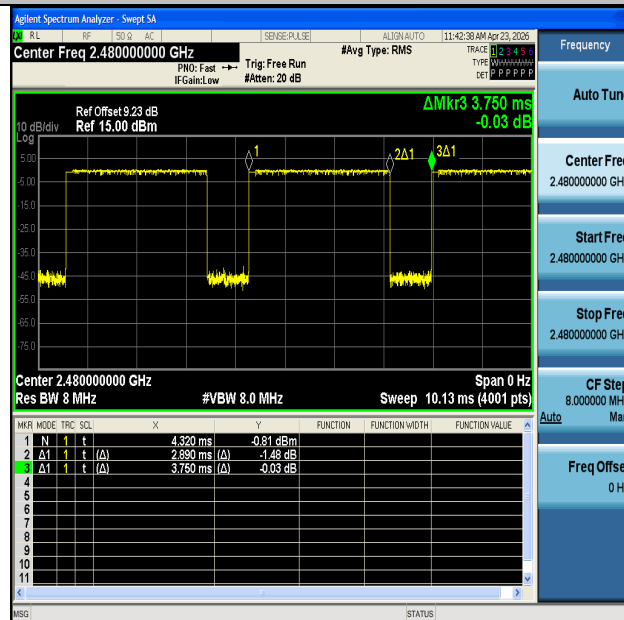


NTNV-2DH5-Ant1-2402





NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480

