



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

Product Name: True Wireless Earbuds

Trade Mark: /

Test Model: Fire-Boltt Aero Glide

FCC ID: 2BT26-AEROGLIDE

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	0.978	2401.442	2402.420	---	---
DH5	Ant1	2441	0.969	2440.448	2441.417	---	---
DH5	Ant1	2480	0.966	2479.448	2480.414	---	---
2DH5	Ant1	2402	1.278	2401.298	2402.576	---	---
2DH5	Ant1	2441	1.308	2440.271	2441.579	---	---
2DH5	Ant1	2480	1.281	2479.298	2480.579	---	---
3DH5	Ant1	2402	1.293	2401.277	2402.570	---	---
3DH5	Ant1	2441	1.314	2440.286	2441.600	---	---
3DH5	Ant1	2480	1.305	2479.277	2480.582	---	---

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





Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402



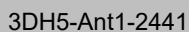
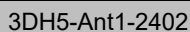


2DH5-Ant1-2441



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	0.88255	2401.4960	2402.3786	---	---
DH5	Ant1	2441	0.88029	2440.4894	2441.3697	---	---
DH5	Ant1	2480	0.88673	2479.4852	2480.3719	---	---
2DH5	Ant1	2402	1.1801	2401.3370	2402.5171	---	---
2DH5	Ant1	2441	1.1713	2440.3389	2441.5102	---	---
2DH5	Ant1	2480	1.1751	2479.3376	2480.5127	---	---
3DH5	Ant1	2402	1.1936	2401.3325	2402.5261	---	---
3DH5	Ant1	2441	1.1803	2440.3341	2441.5144	---	---
3DH5	Ant1	2480	1.1854	2479.3328	2480.5182	---	---

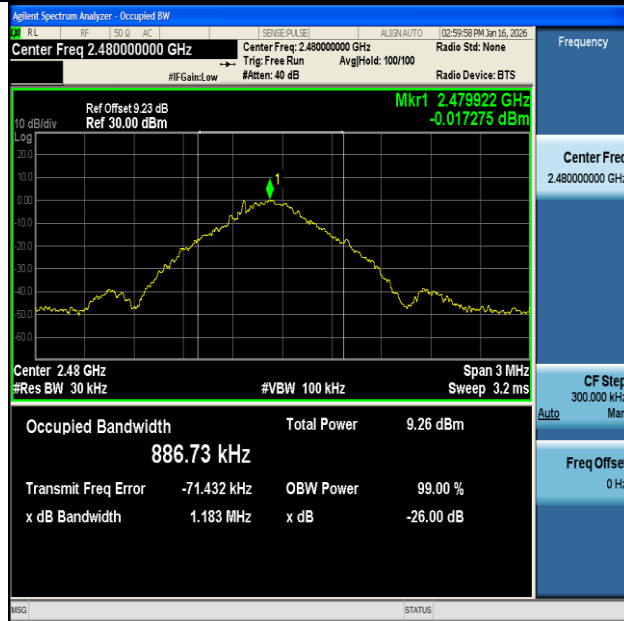
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



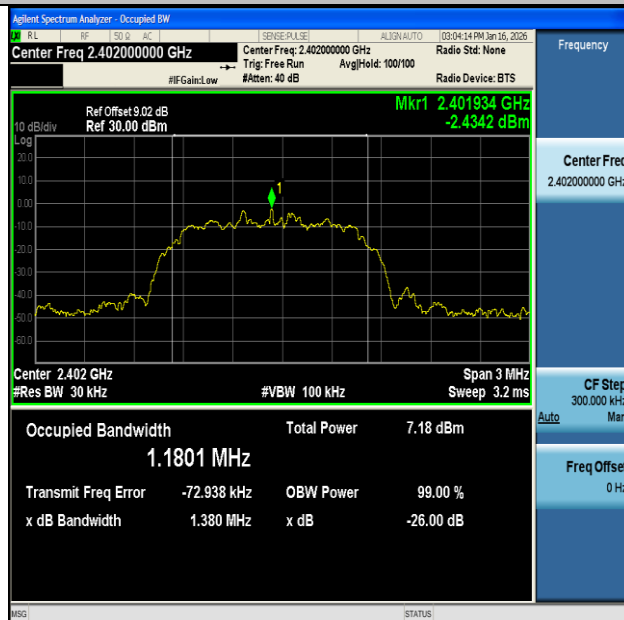


Test Graphs



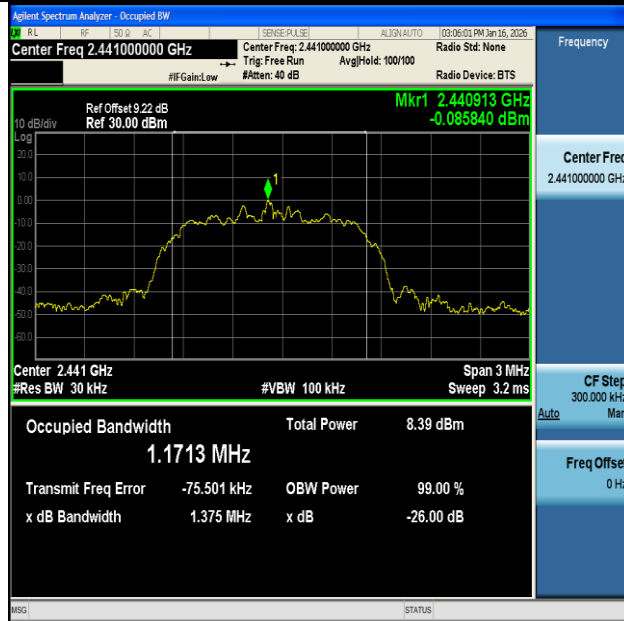


DH5-Ant1-2480

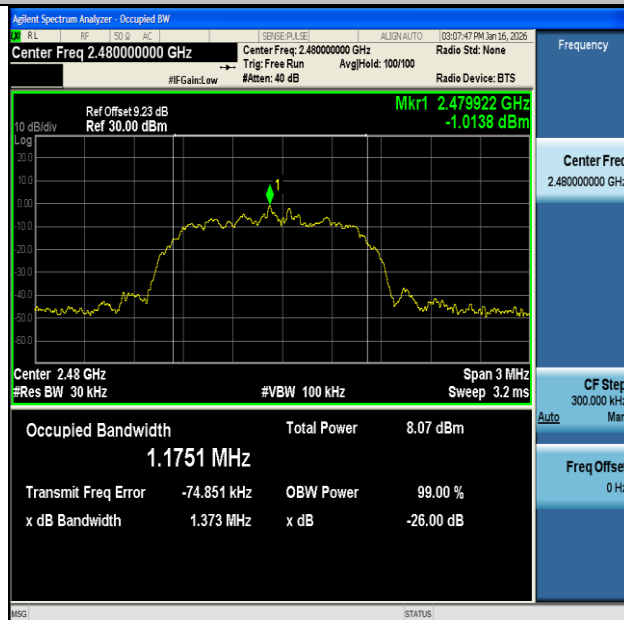


2DH5-Ant1-2402





2DH5-Ant1-2441

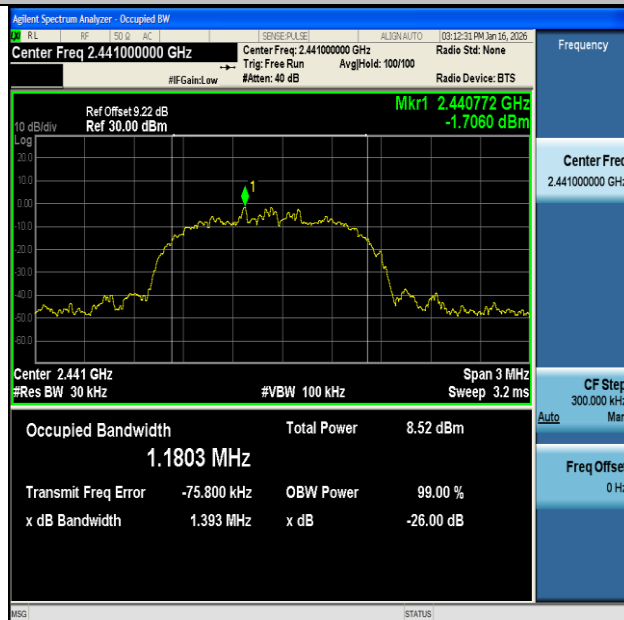


2DH5-Ant1-2480





3DH5-Ant1-2402



3DH5-Ant1-2441







Appendix C: Maximum peak conducted output power

Test Result

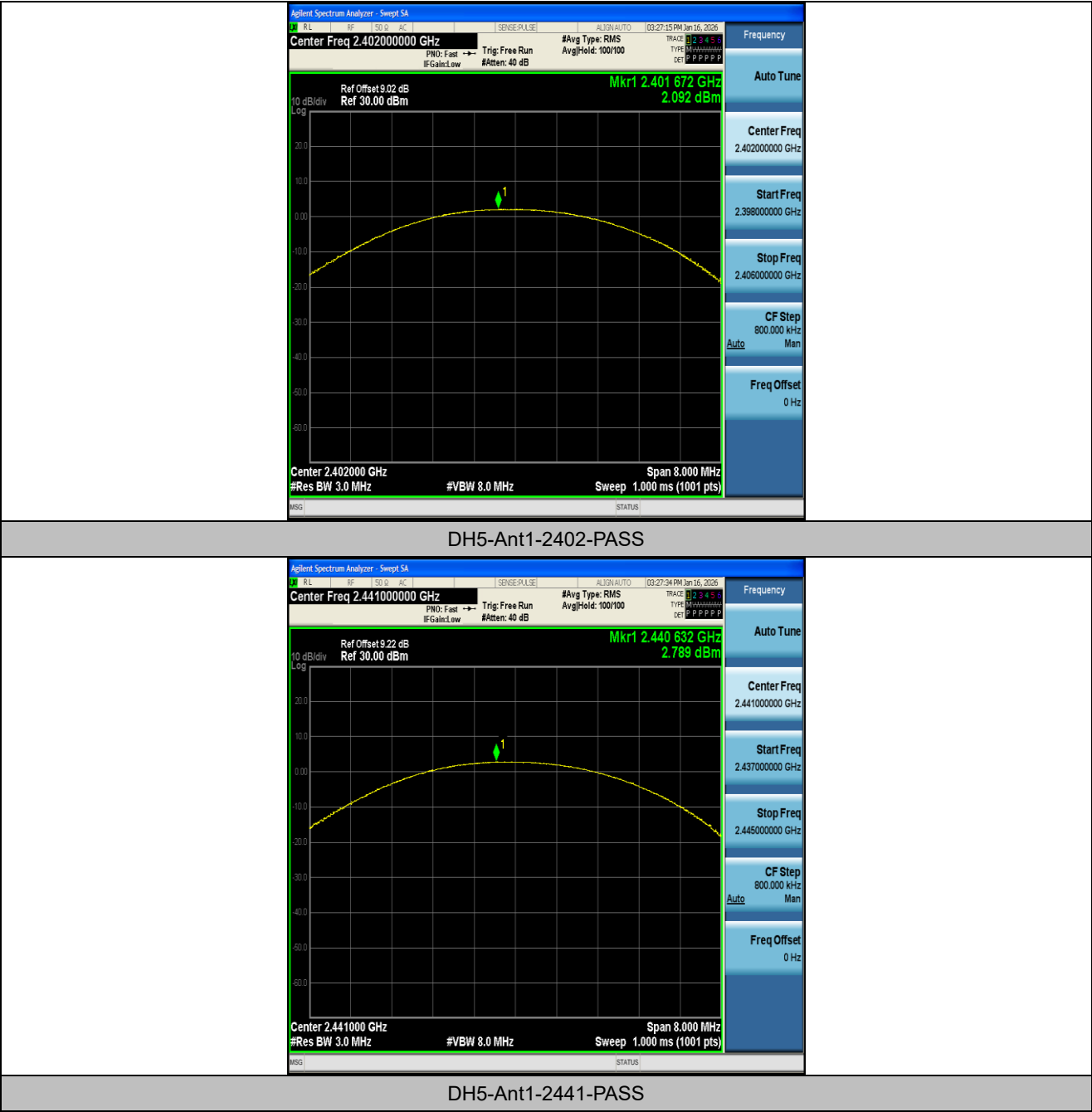
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	2.09	≤30	PASS
DH5	Ant1	2441	2.79	≤30	PASS
DH5	Ant1	2480	2.69	≤30	PASS
2DH5	Ant1	2402	2.82	≤20.97	PASS
2DH5	Ant1	2441	3.58	≤20.97	PASS
2DH5	Ant1	2480	3.54	≤20.97	PASS
3DH5	Ant1	2402	3.26	≤20.97	PASS
3DH5	Ant1	2441	3.97	≤20.97	PASS
3DH5	Ant1	2480	3.79	≤20.97	PASS

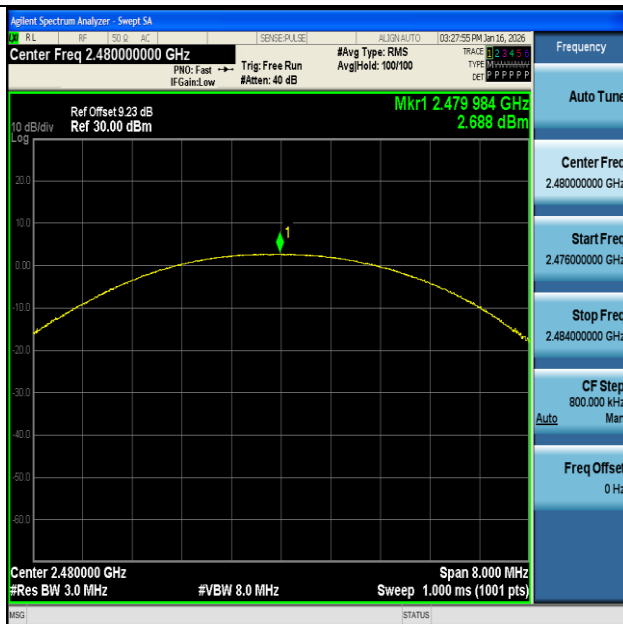
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



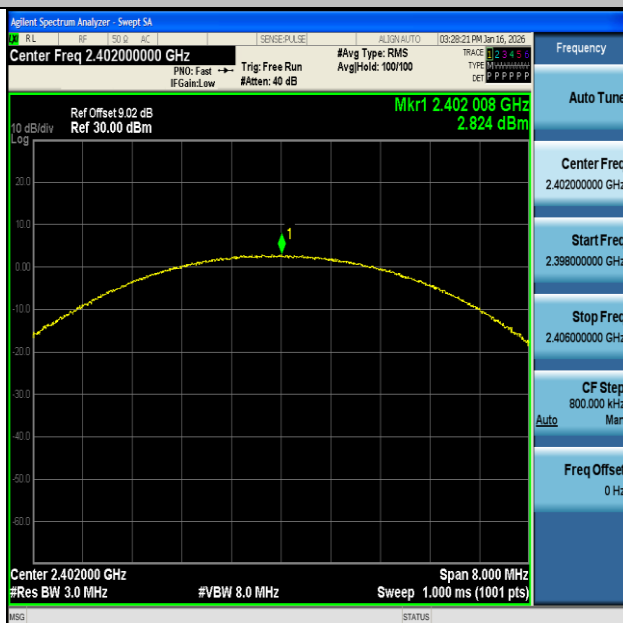


Test Graphs



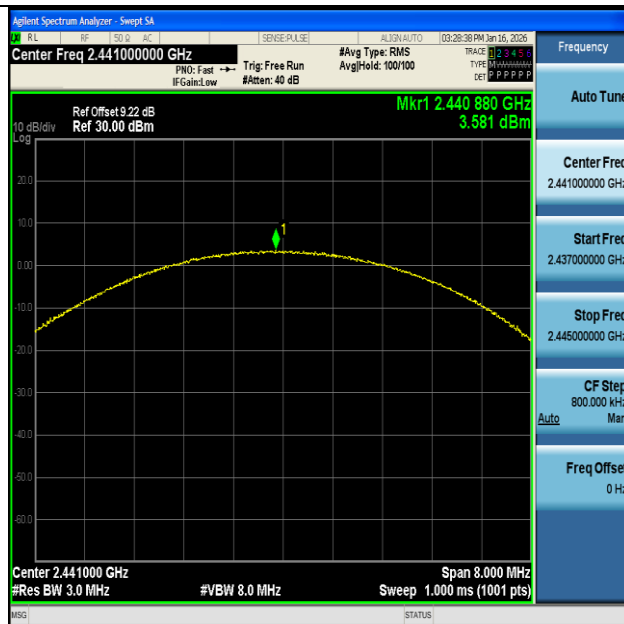


DH5-Ant1-2480-PASS

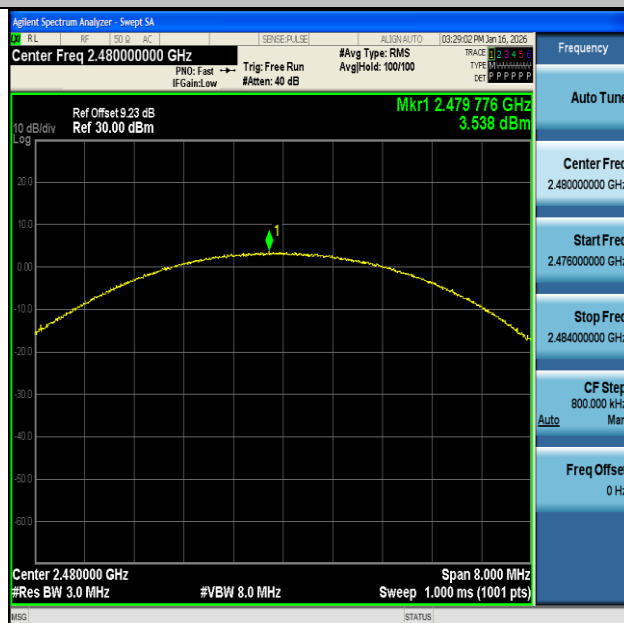


2DH5-Ant1-2402-PASS



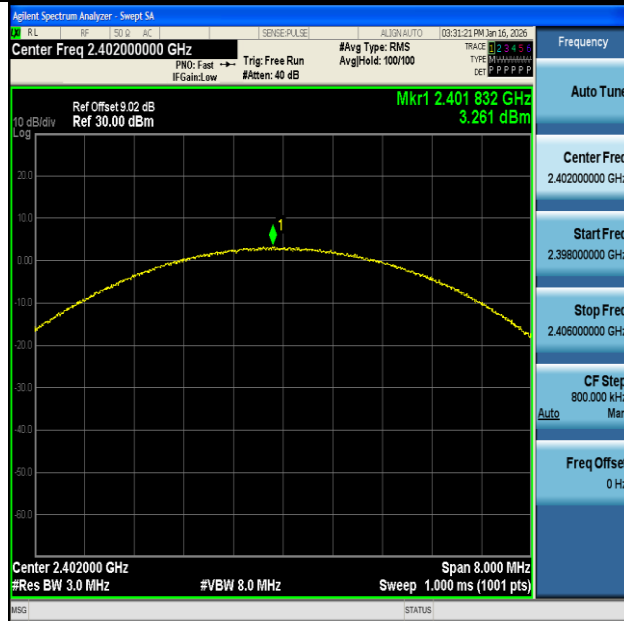


2DH5-Ant1-2441-PASS

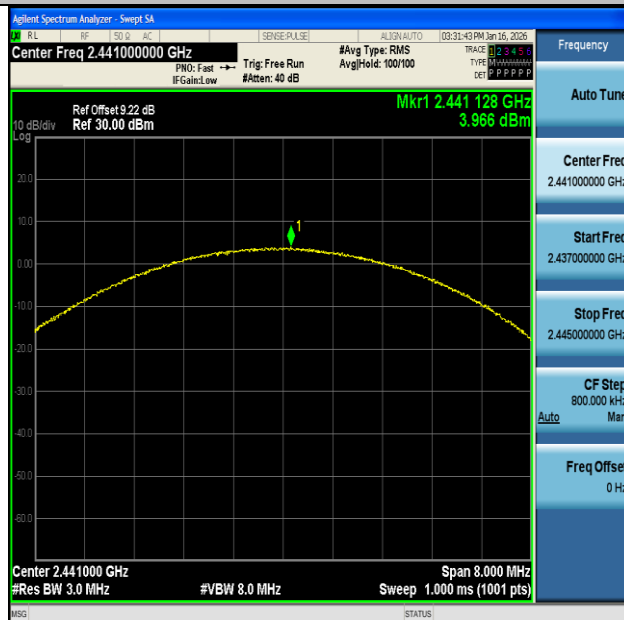


2DH5-Ant1-2480-PASS



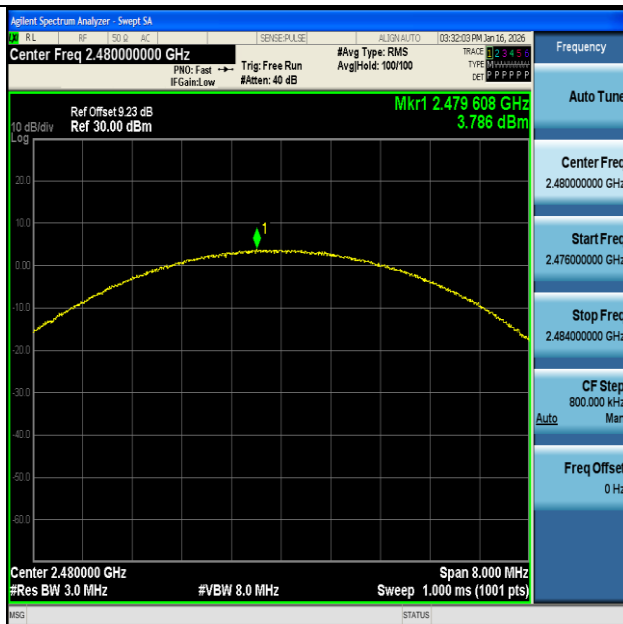


3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS







Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.978	PASS
2DH5	Ant1	Hop	1.012	≥ 0.872	PASS
3DH5	Ant1	Hop	1.01	≥ 0.876	PASS

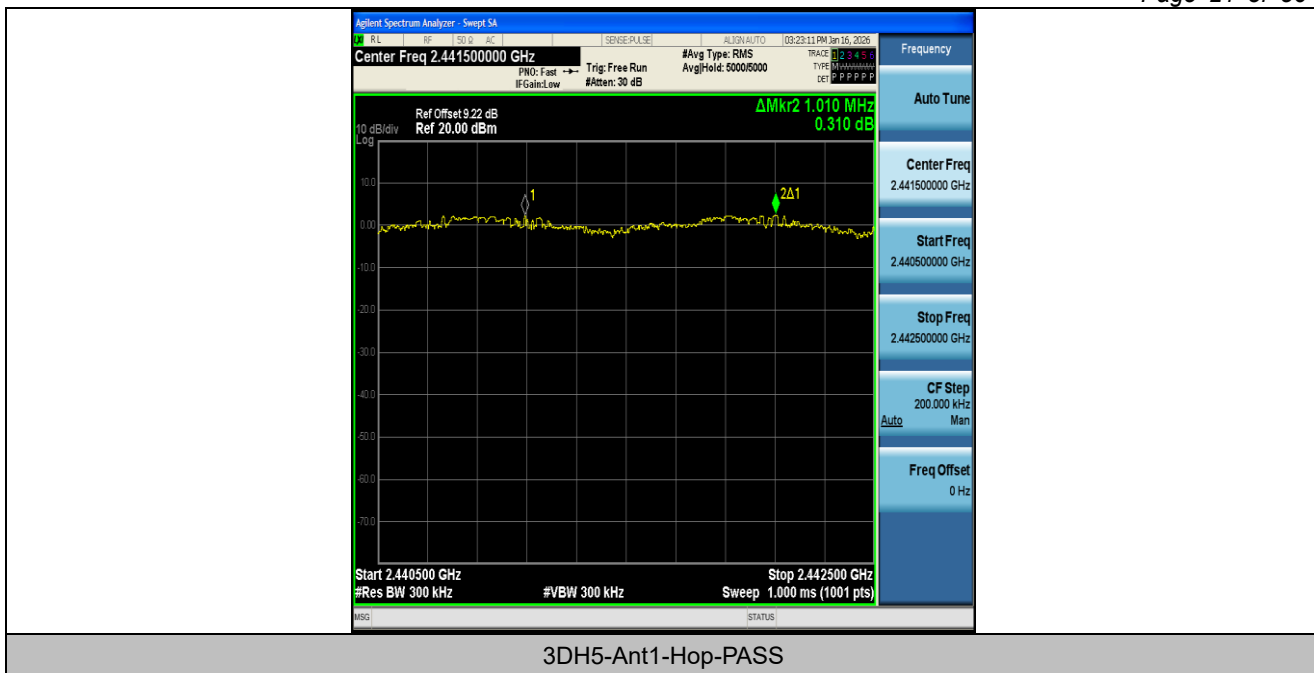
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Time of occupancy

Test Result

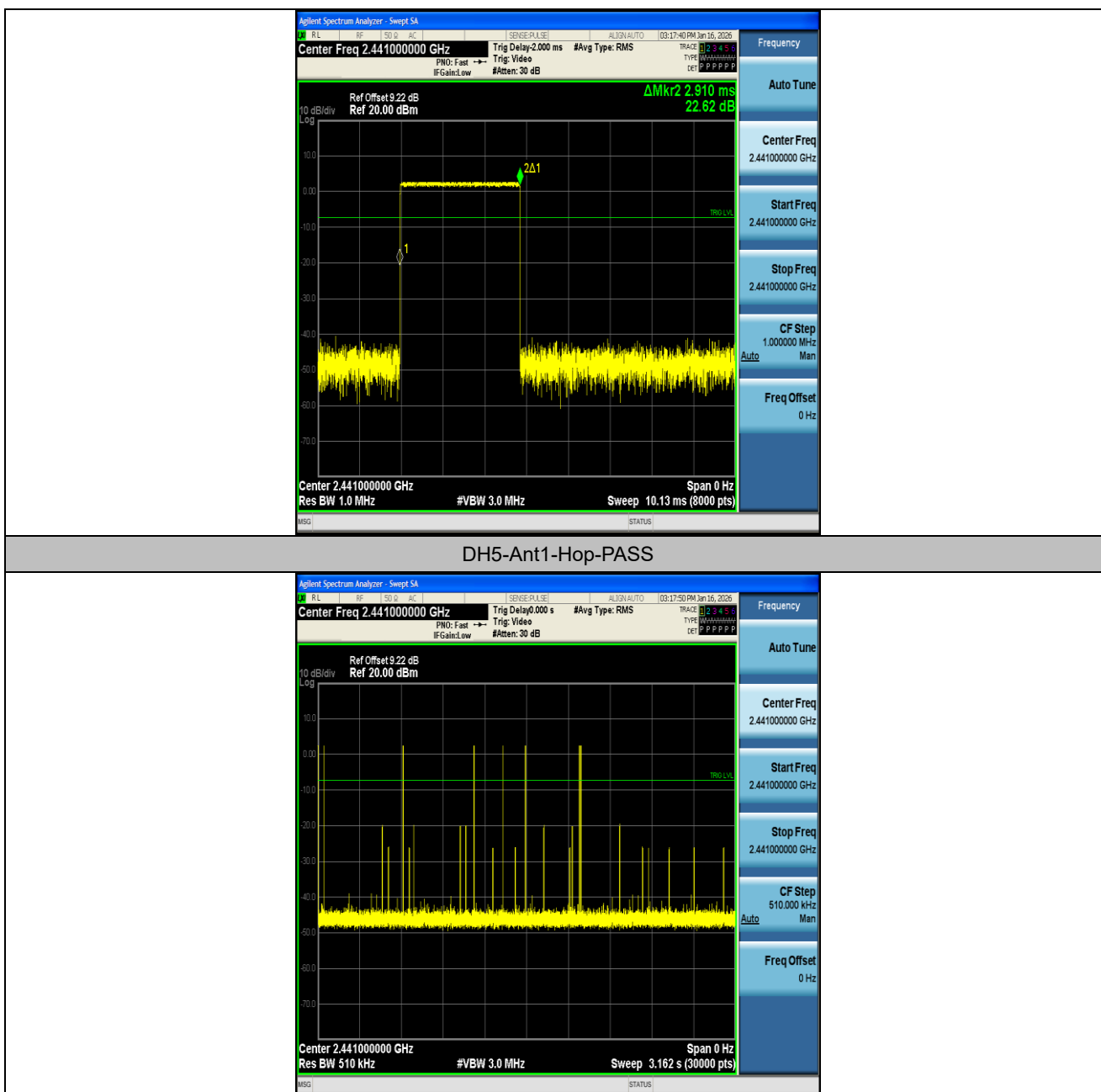
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.910	80	0.233	≤0.4	PASS
2DH5	Ant1	Hop	2.915	100	0.292	≤0.4	PASS
3DH5	Ant1	Hop	2.918	110	0.321	≤0.4	PASS

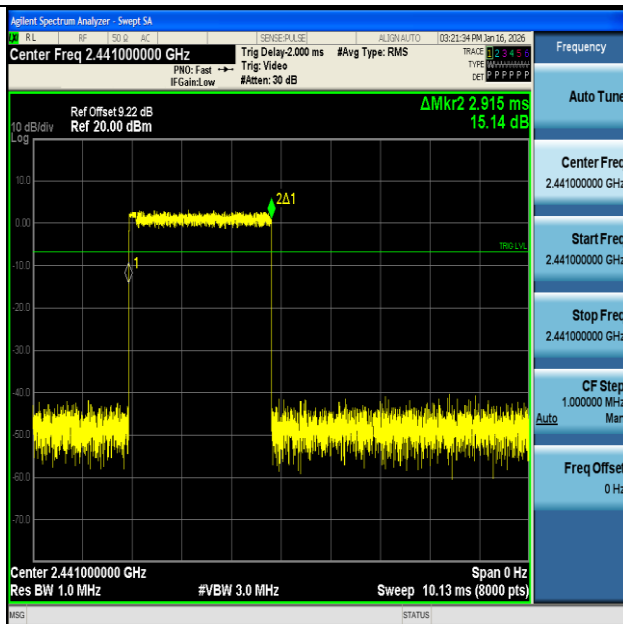
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



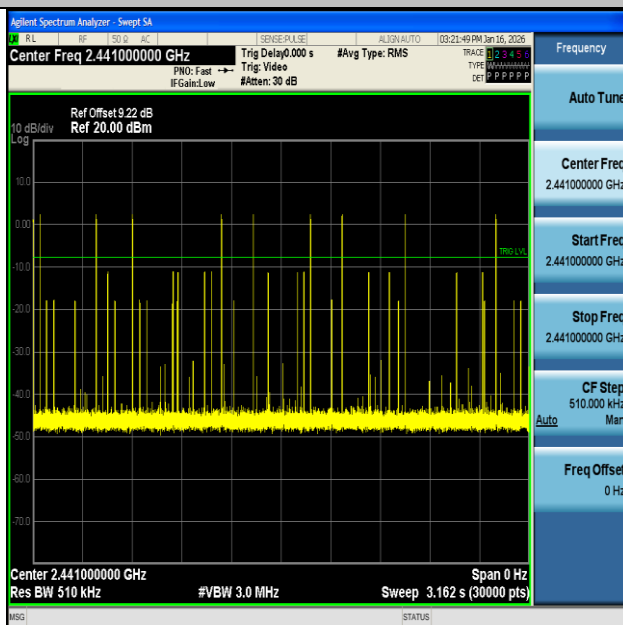


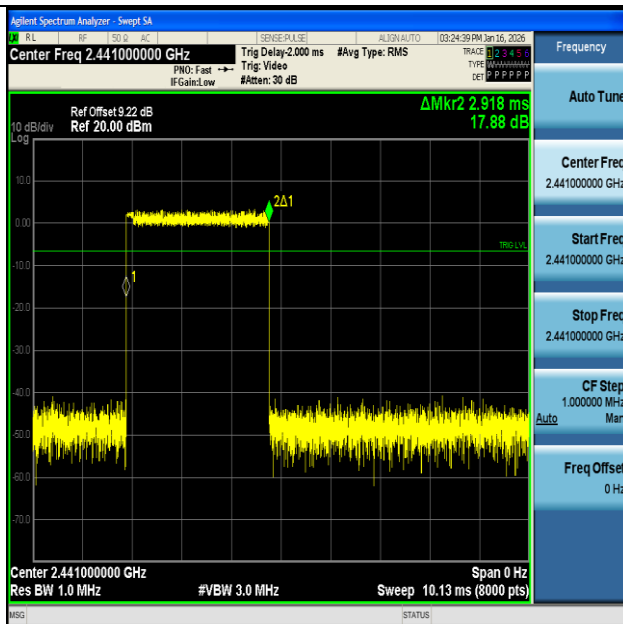
Test Graphs



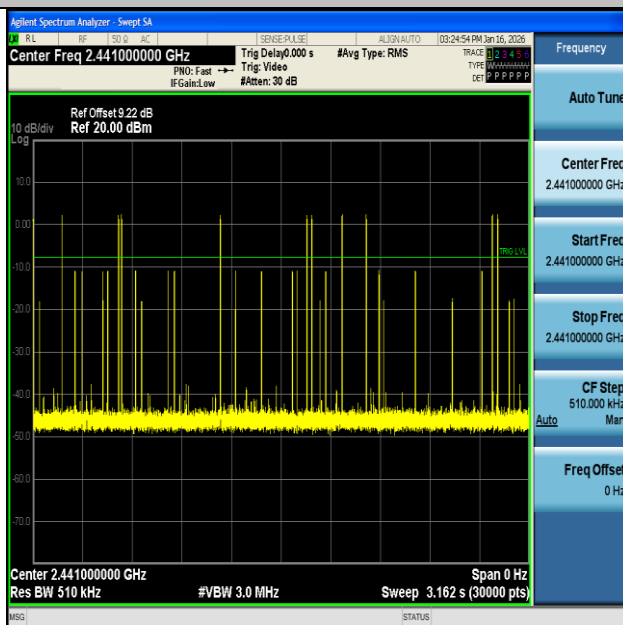


2DH5-Ant1-Hop-PASS





3DH5-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
3DH5	Ant1	Hop	79	≥15	PASS

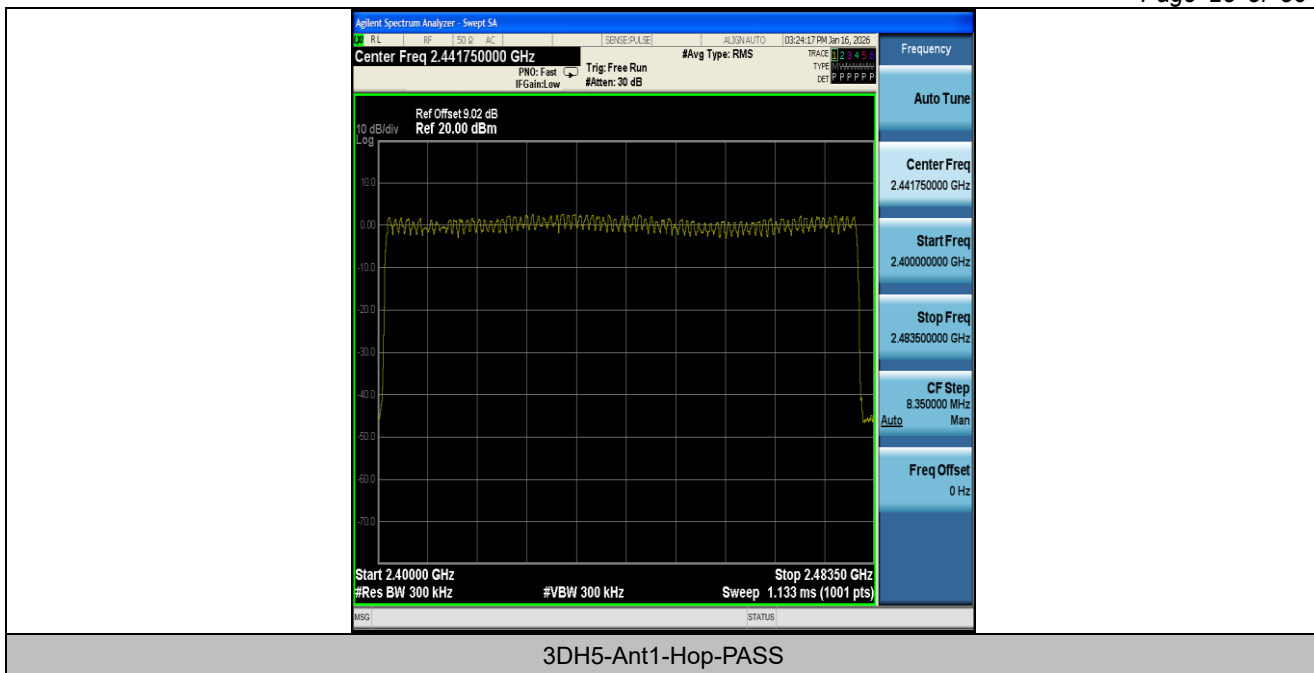
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix G: Band edge measurements

Test Result

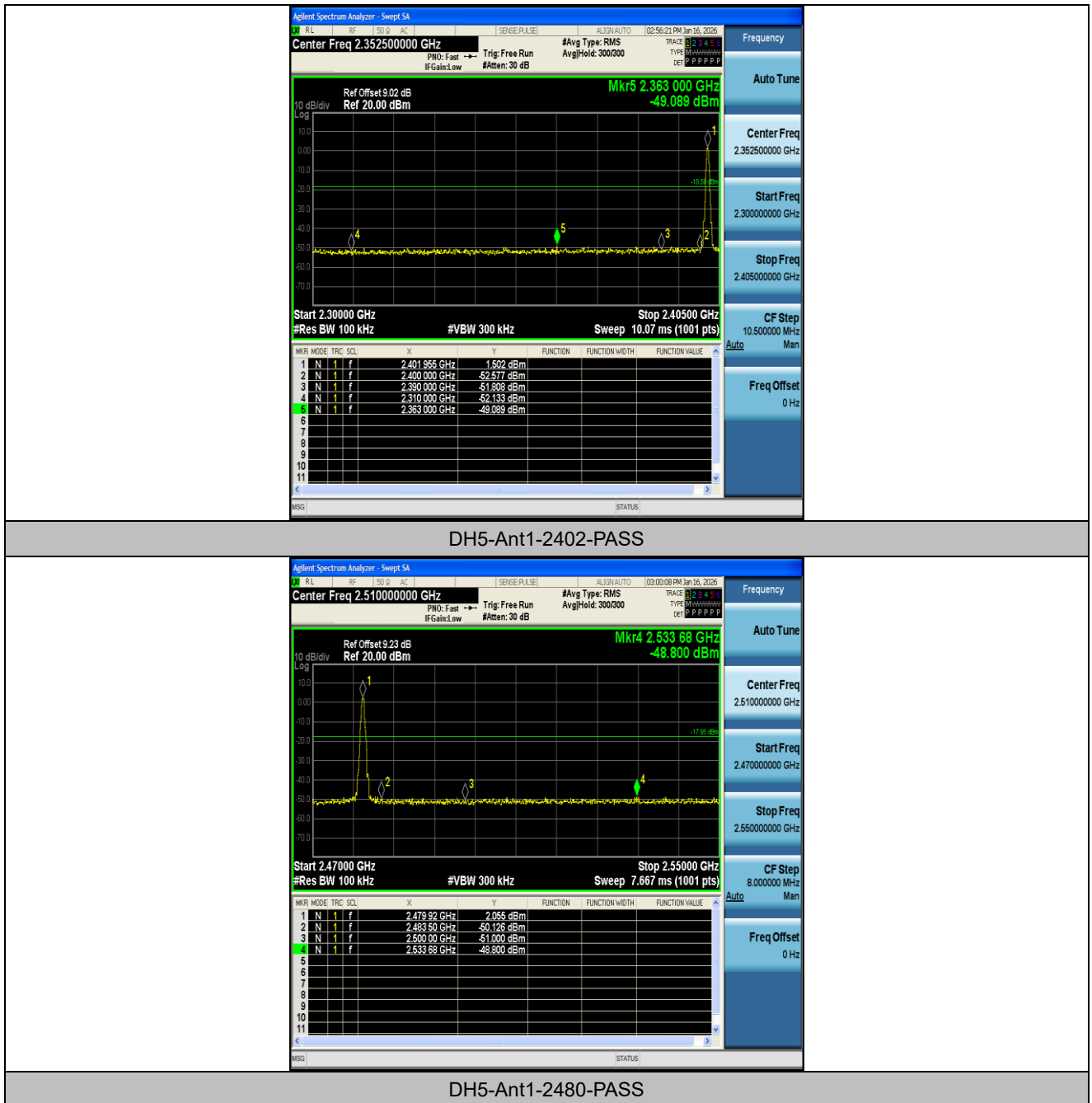
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.50	-49.09	≤-18.5	PASS
DH5	Ant1	High	2480	2.06	-48.8	≤-17.95	PASS
DH5	Ant1	Low	Hop_2402	-2.09	-49.09	≤-22.09	PASS
DH5	Ant1	High	Hop_2480	1.41	-48.06	≤-18.59	PASS
2DH5	Ant1	Low	2402	1.40	-46.81	≤-18.6	PASS
2DH5	Ant1	High	2480	2.06	-48.13	≤-17.94	PASS
2DH5	Ant1	Low	Hop_2402	-5.89	-49.1	≤-25.89	PASS
2DH5	Ant1	High	Hop_2480	1.58	-47.87	≤-18.43	PASS
3DH5	Ant1	Low	2402	1.51	-49.06	≤-18.49	PASS
3DH5	Ant1	High	2480	1.96	-48.44	≤-18.04	PASS
3DH5	Ant1	Low	Hop_2402	-0.60	-49.13	≤-20.6	PASS
3DH5	Ant1	High	Hop_2480	1.46	-48.42	≤-18.54	PASS

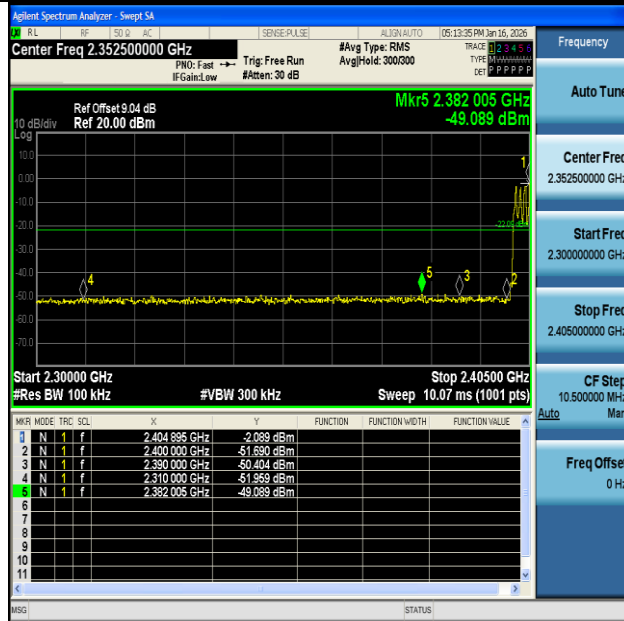
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



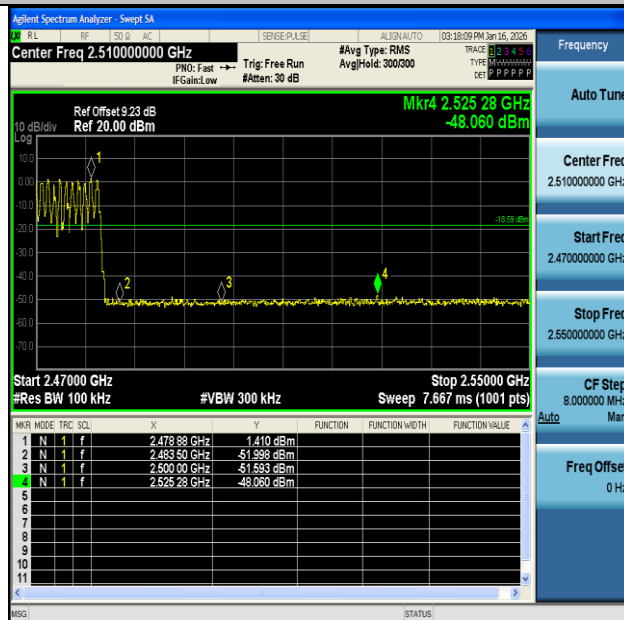


Test Graphs



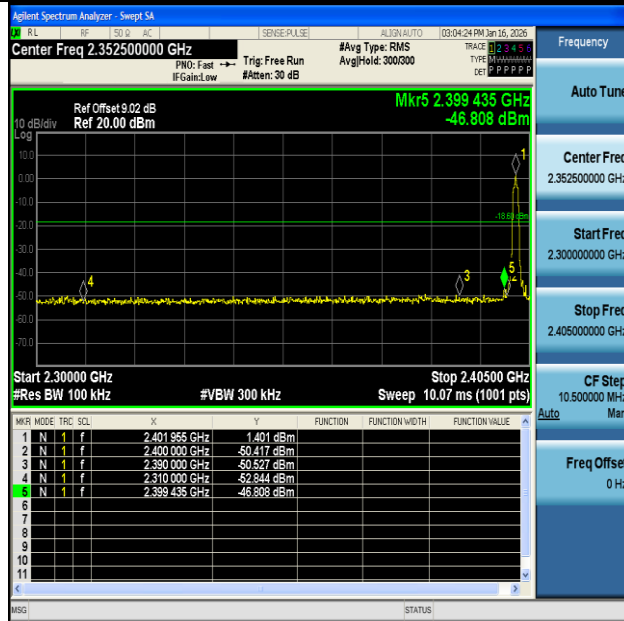


DH5-Ant1-Hop_2402-PASS

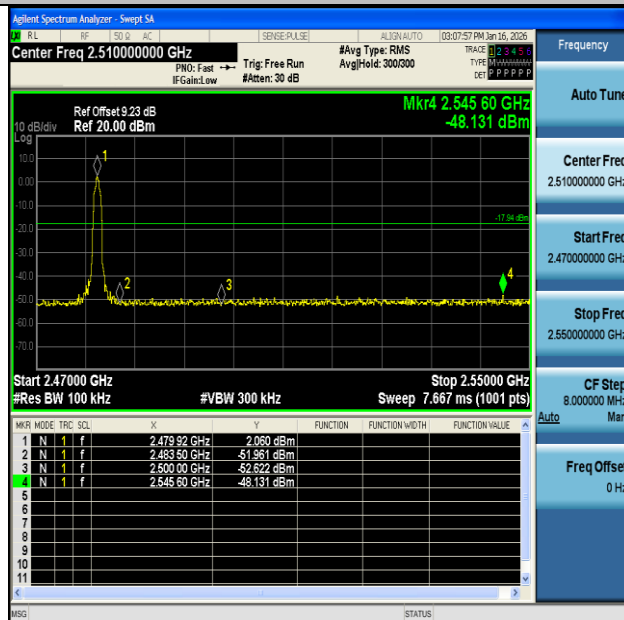


DH5-Ant1-Hop_2480-PASS



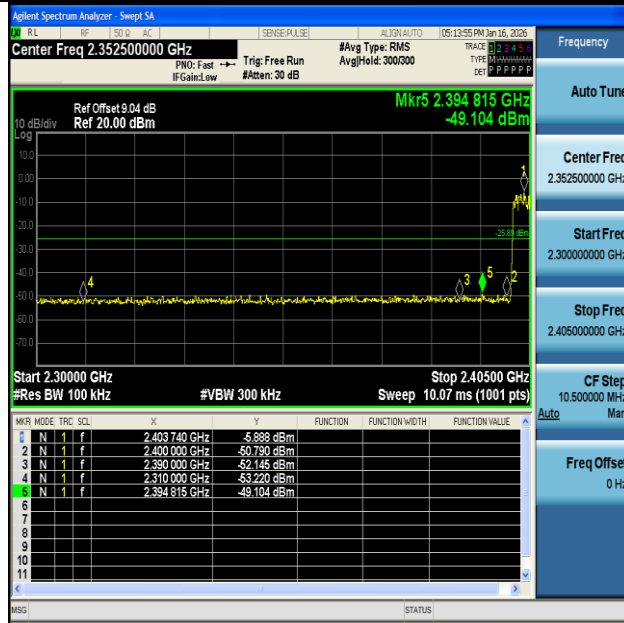


2DH5-Ant1-2402-PASS

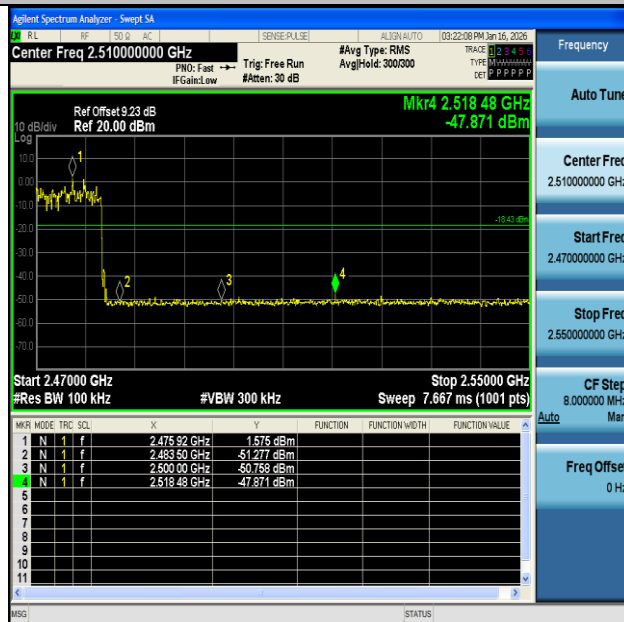


2DH5-Ant1-2480-PASS



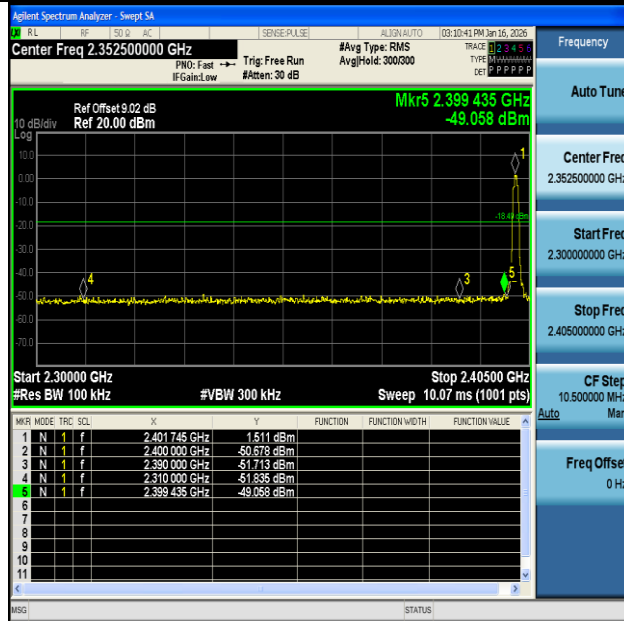


2DH5-Ant1-Hop_2402-PASS

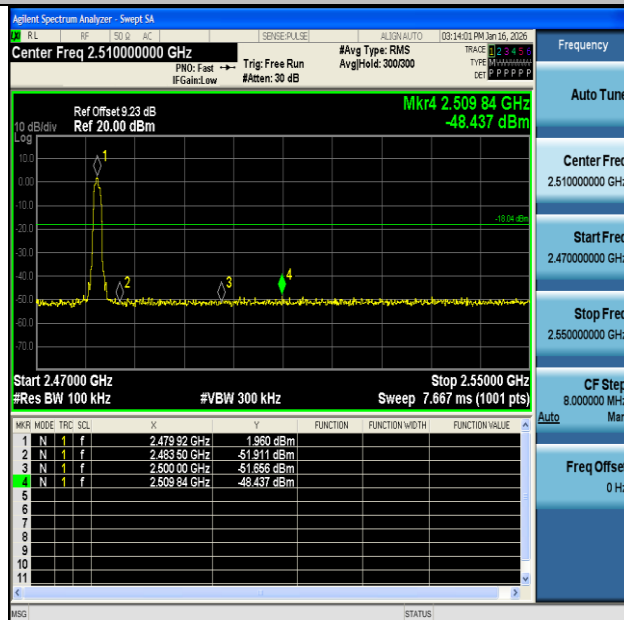


2DH5-Ant1-Hop_2480-PASS



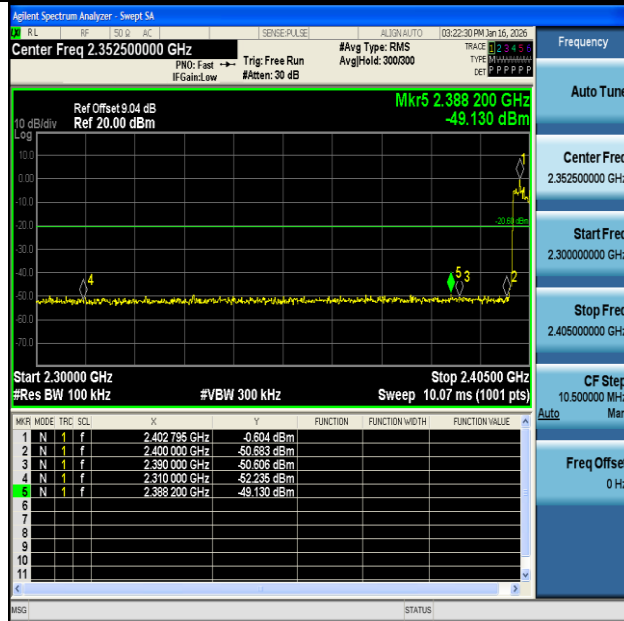


3DH5-Ant1-2402-PASS

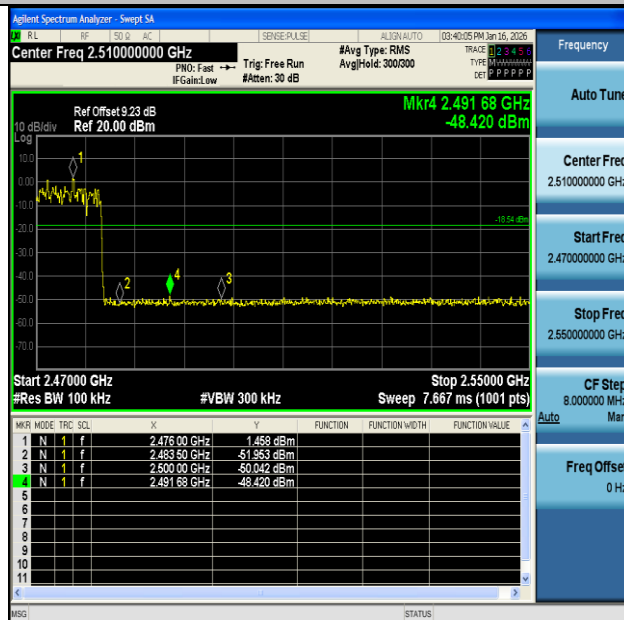


3DH5-Ant1-2480-PASS





3DH5-Ant1-Hop_2402-PASS



3DH5-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	1.07	1.07	---	PASS
DH5	Ant1	2402	30~1000	1.07	-62.61	≤-18.93	PASS
DH5	Ant1	2402	1000~26500	1.07	-33.33	≤-18.93	PASS
DH5	Ant1	2402	1000~40000	11.51	-17.72	≤-8.49	PASS
DH5	Ant1	2441	0~Reference	1.39	1.39	---	PASS
DH5	Ant1	2441	30~1000	1.39	-63	≤-18.61	PASS
DH5	Ant1	2441	1000~26500	1.39	-33.52	≤-18.61	PASS
DH5	Ant1	2480	0~Reference	1.91	1.91	---	PASS
DH5	Ant1	2480	30~1000	1.91	-62.57	≤-18.09	PASS
DH5	Ant1	2480	1000~26500	1.91	-33.21	≤-18.09	PASS
2DH5	Ant1	2402	0~Reference	-1.92	-1.92	---	PASS
2DH5	Ant1	2402	30~1000	-1.92	-62.95	≤-21.92	PASS
2DH5	Ant1	2402	1000~26500	-1.92	-35.12	≤-21.92	PASS
2DH5	Ant1	2441	0~Reference	-2.84	-2.84	---	PASS
2DH5	Ant1	2441	30~1000	-2.84	-62.67	≤-22.84	PASS
2DH5	Ant1	2441	1000~26500	-2.84	-34.63	≤-22.84	PASS
2DH5	Ant1	2480	0~Reference	-2.84	-2.84	---	PASS
2DH5	Ant1	2480	30~1000	-2.84	-62.02	≤-22.84	PASS
2DH5	Ant1	2480	1000~26500	-2.84	-33.69	≤-22.84	PASS
3DH5	Ant1	2402	0~Reference	1.27	1.27	---	PASS
3DH5	Ant1	2402	30~1000	1.27	-62.62	≤-18.73	PASS
3DH5	Ant1	2402	1000~26500	1.27	-31.1	≤-18.73	PASS
3DH5	Ant1	2441	0~Reference	1.38	1.38	---	PASS
3DH5	Ant1	2441	30~1000	1.38	-62.94	≤-18.62	PASS
3DH5	Ant1	2441	1000~26500	1.38	-35.64	≤-18.62	PASS
3DH5	Ant1	2480	0~Reference	-2.24	-2.24	---	PASS
3DH5	Ant1	2480	30~1000	-2.24	-62.5	≤-22.24	PASS
3DH5	Ant1	2480	1000~26500	-2.24	-35.99	≤-22.24	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

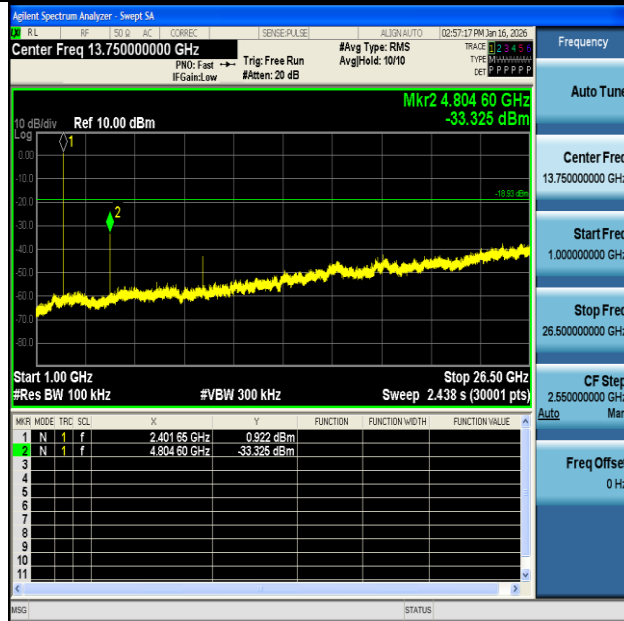


DH5-Ant1-2402-0~Reference-PASS

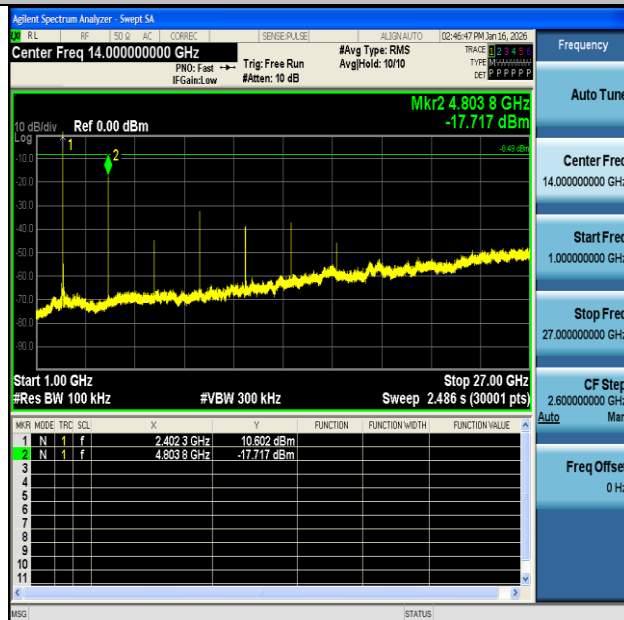


DH5-Ant1-2402-30~1000-PASS





DH5-Ant1-2402-1000~26500-PASS

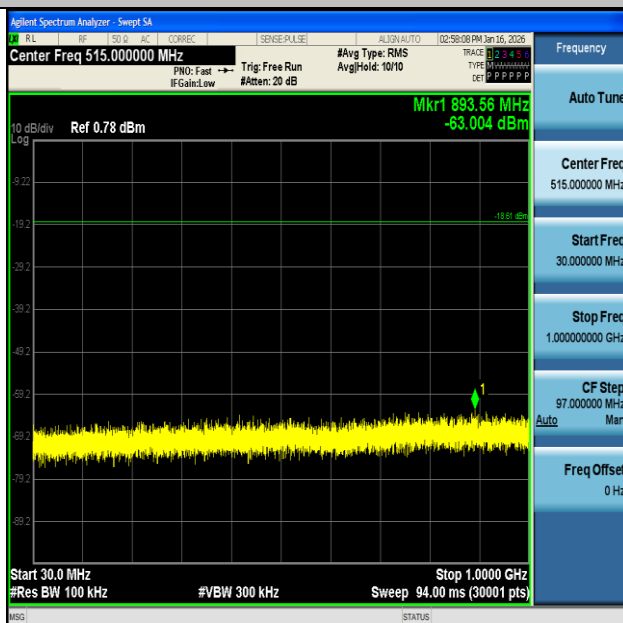


DH5-Ant1-2402-1000~40000-PASS



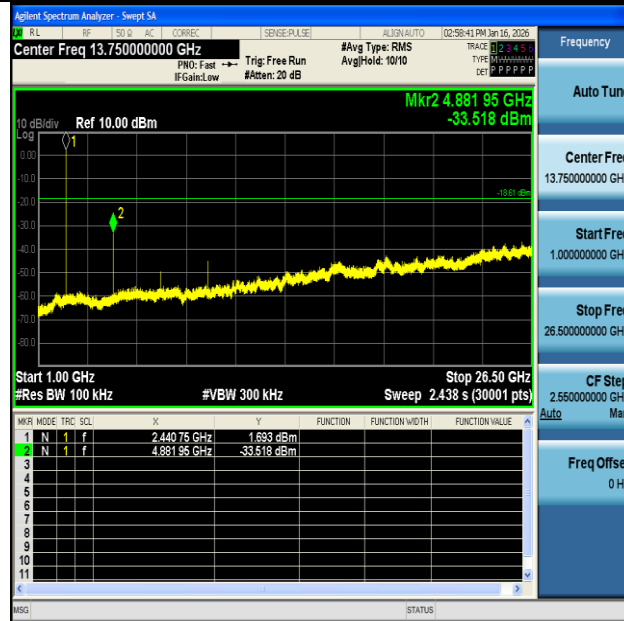


DH5-Ant1-2441-0~Reference-PASS

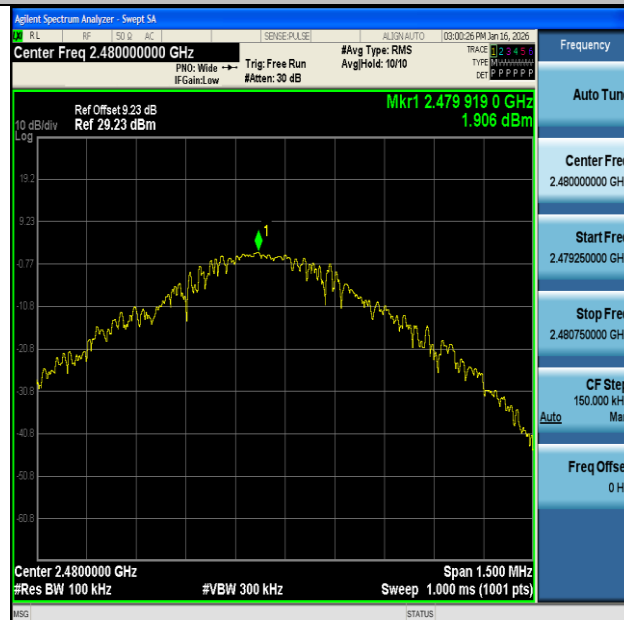


DH5-Ant1-2441-30~1000-PASS



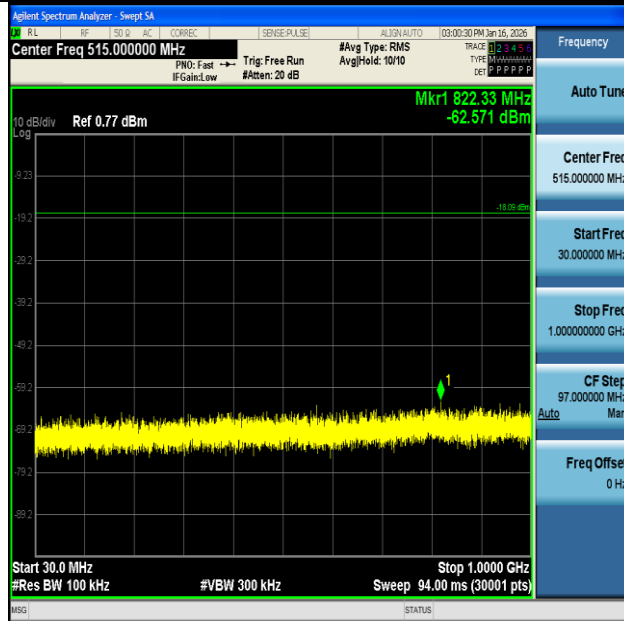


DH5-Ant1-2441-1000~26500-PASS

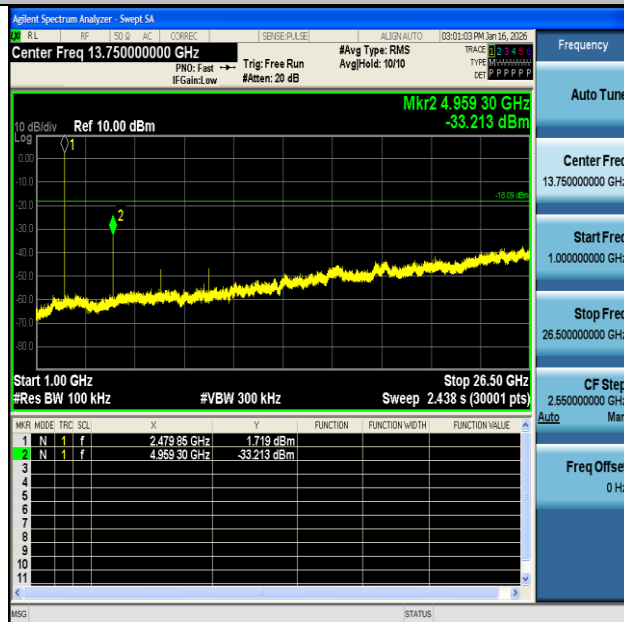


DH5-Ant1-2480-0~Reference-PASS



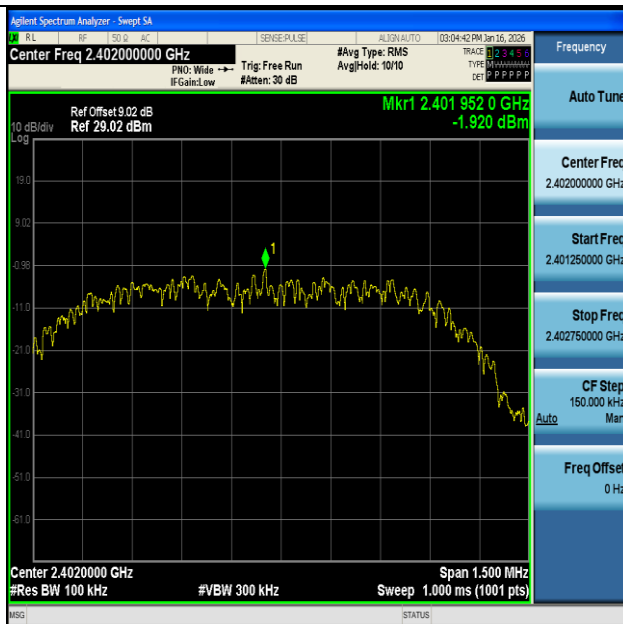


DH5-Ant1-2480-30~1000-PASS

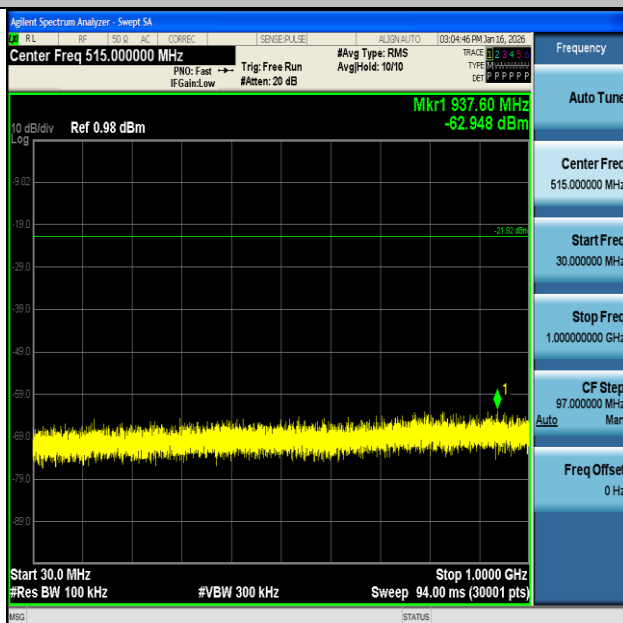


DH5-Ant1-2480-1000~26500-PASS



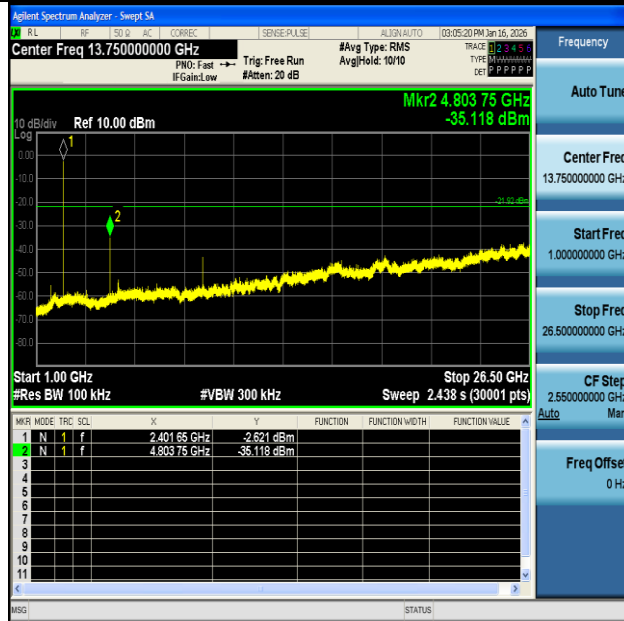


2DH5-Ant1-2402-0~Reference-PASS



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



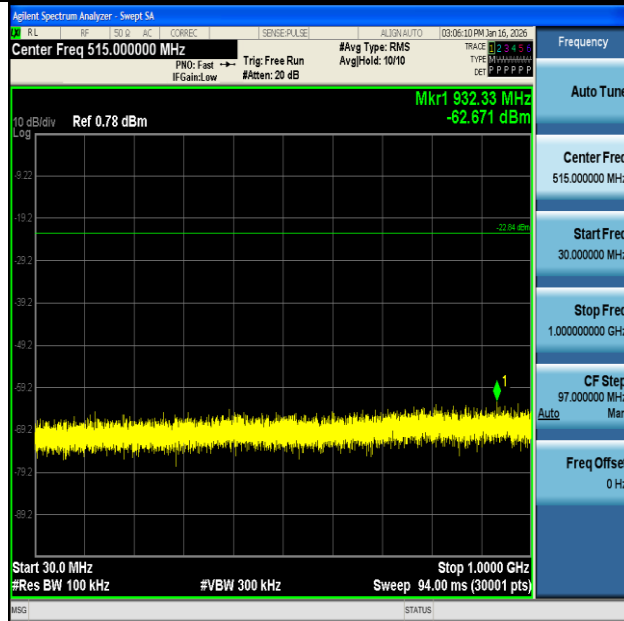


2DH5-Ant1-2402-1000~26500-PASS

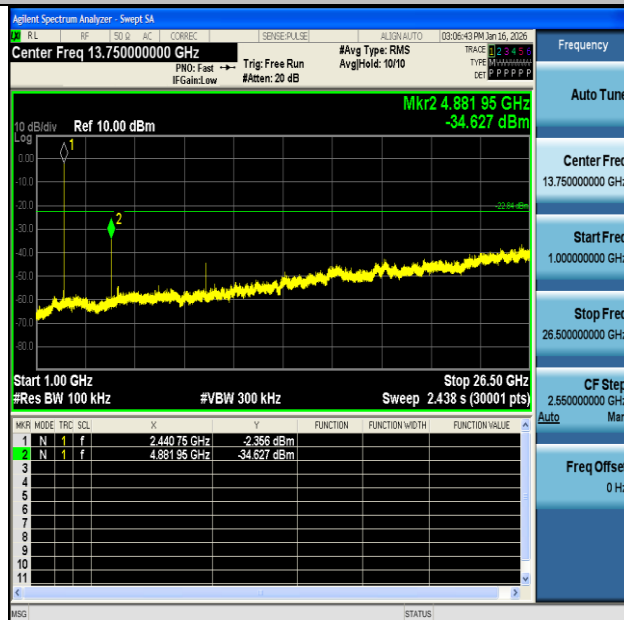


2DH5-Ant1-2441-0~Reference-PASS





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

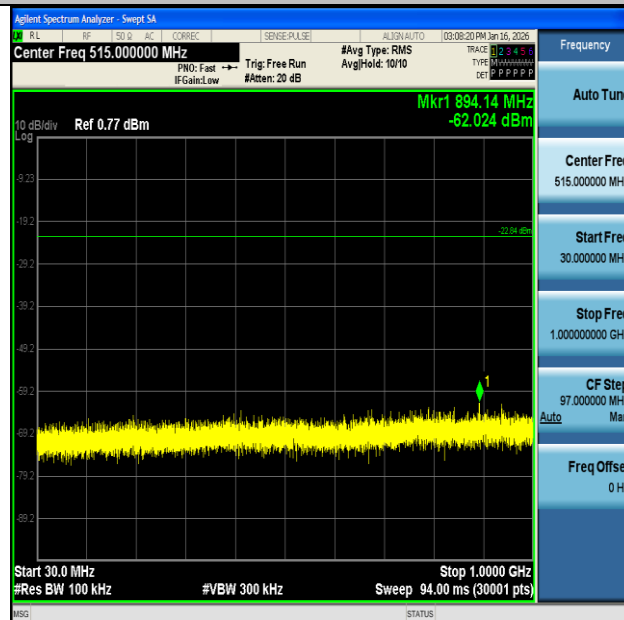


2DH5-Ant1-2441-1000~26500-PASS



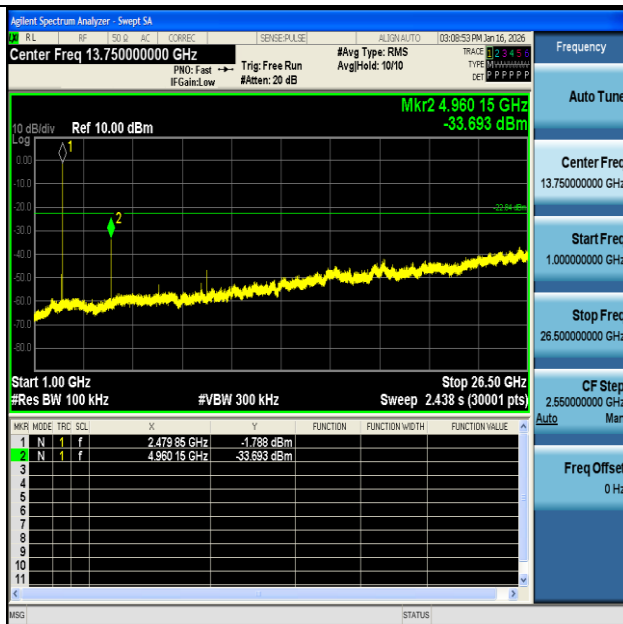


2DH5-Ant1-2480-0~Reference-PASS

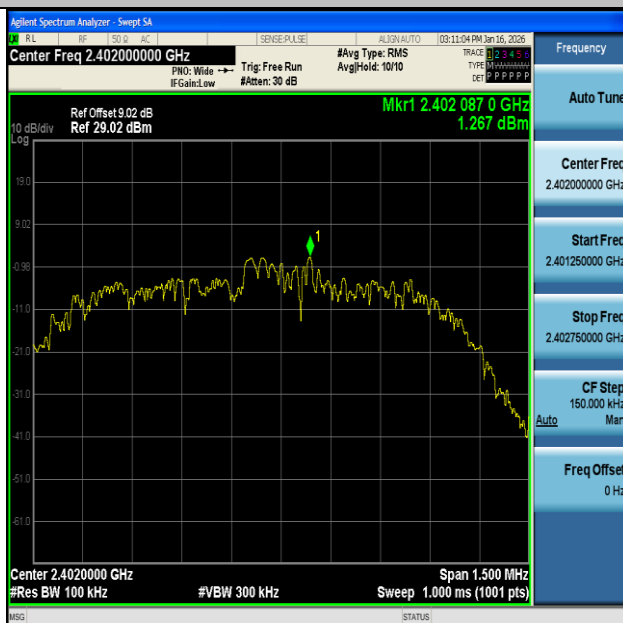


2DH5-Ant1-2480-30~1000-PASS



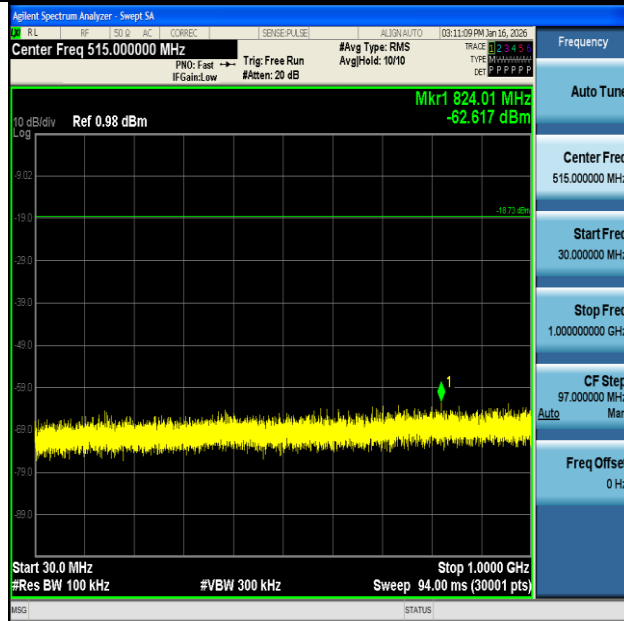


2DH5-Ant1-2480-1000~26500-PASS

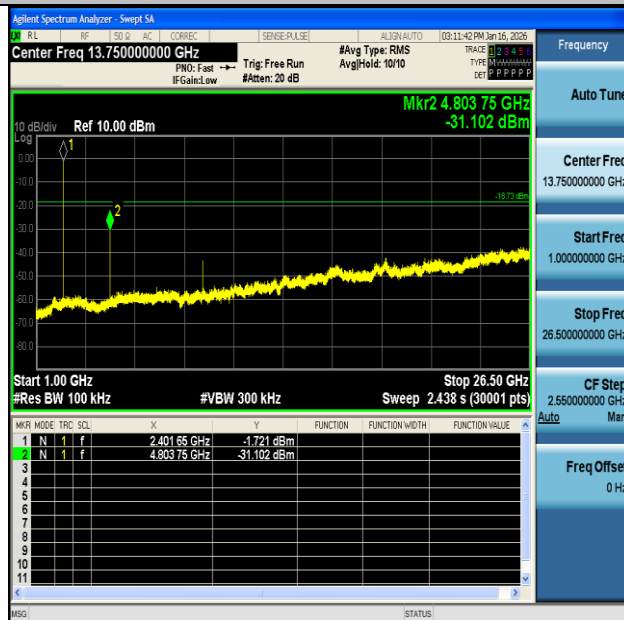


3DH5-Ant1-2402-0~Reference-PASS





3DH5-Ant1-2402-30~1000-PASS

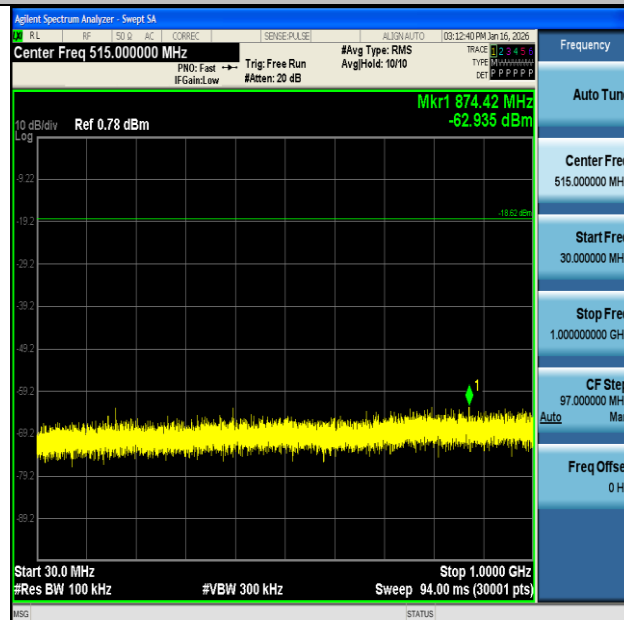


3DH5-Ant1-2402-1000~26500-PASS



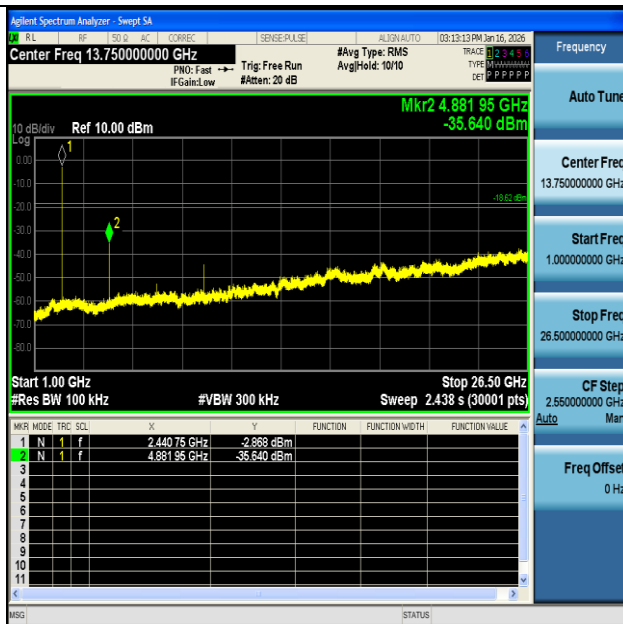


3DH5-Ant1-2441-0~Reference-PASS

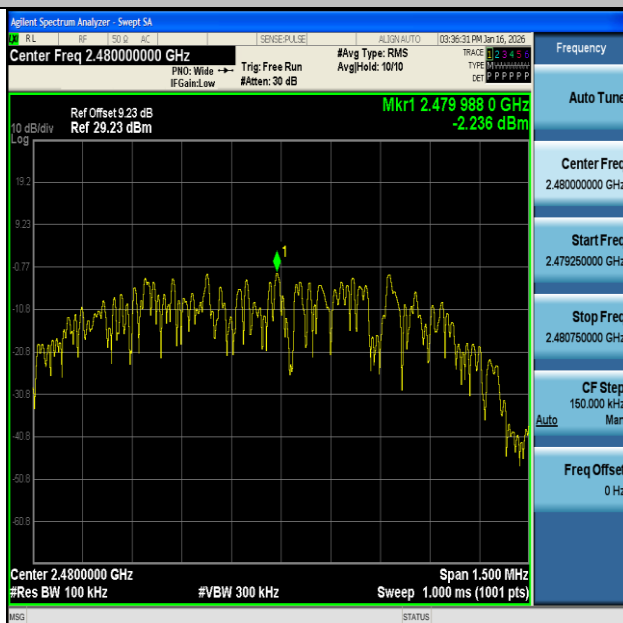


3DH5-Ant1-2441-30~1000-PASS





3DH5-Ant1-2441-1000~26500-PASS

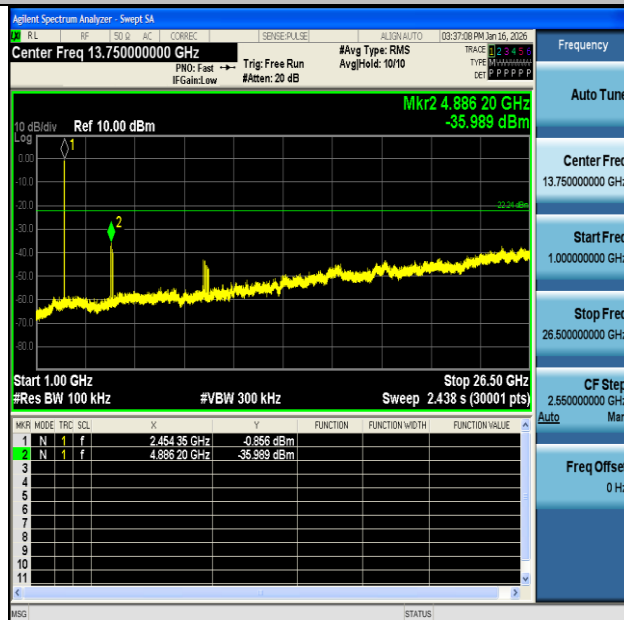


3DH5-Ant1-2480-0~Reference-PASS





3DH5-Ant1-2480-30~1000-PASS



3DH5-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	2.90	3.75	77.33	1.12
DH5	Ant1	2441	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.92	3.76	77.66	1.10
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

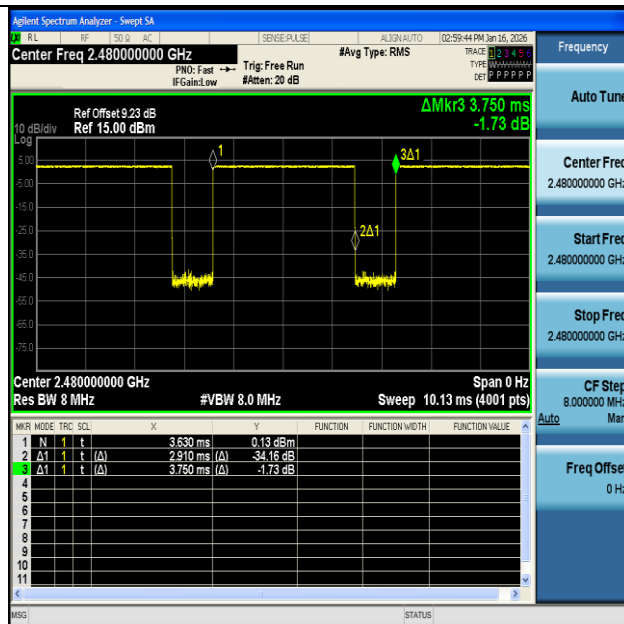
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



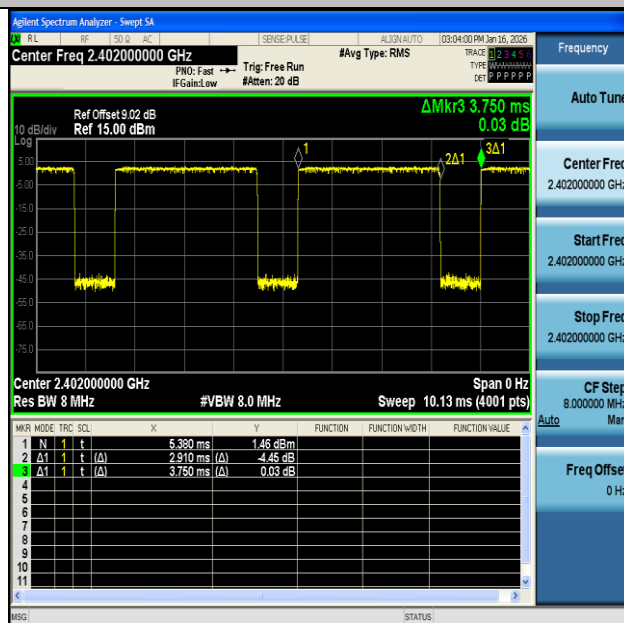


Test Graphs



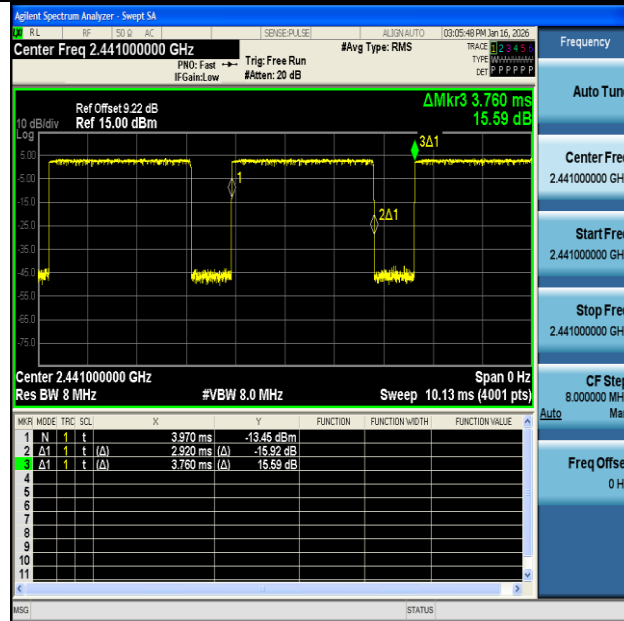


NTNV-DH5-Ant1-2480

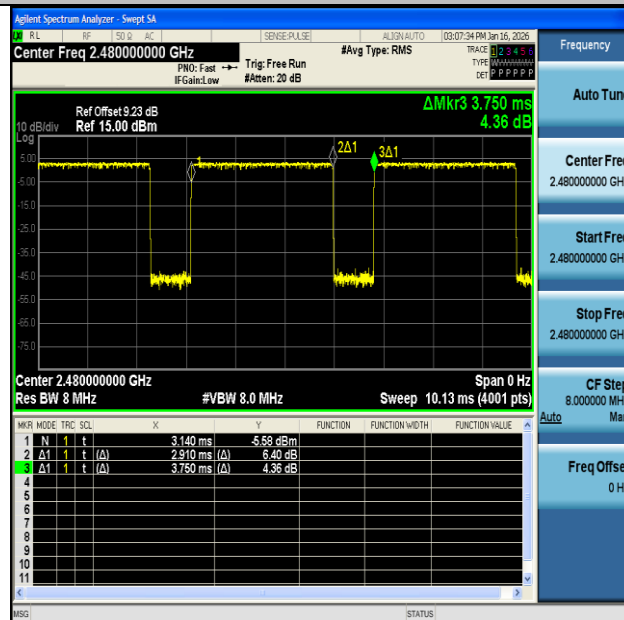


NTNV-2DH5-Ant1-2402



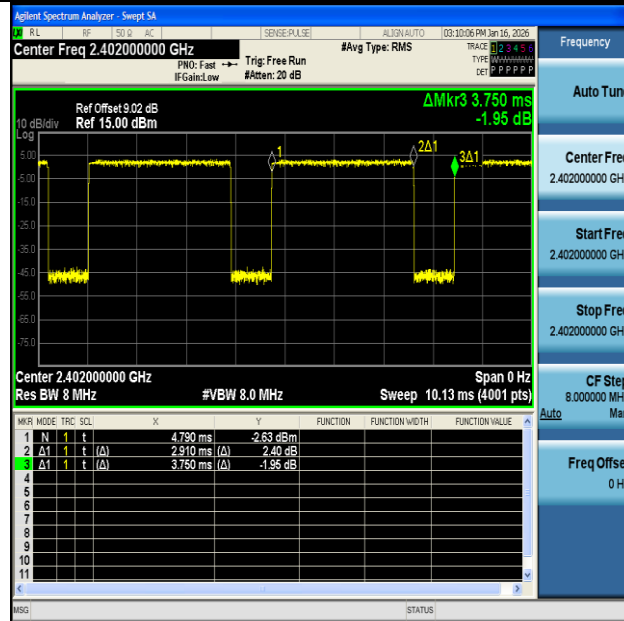


NTNV-2DH5-Ant1-2441

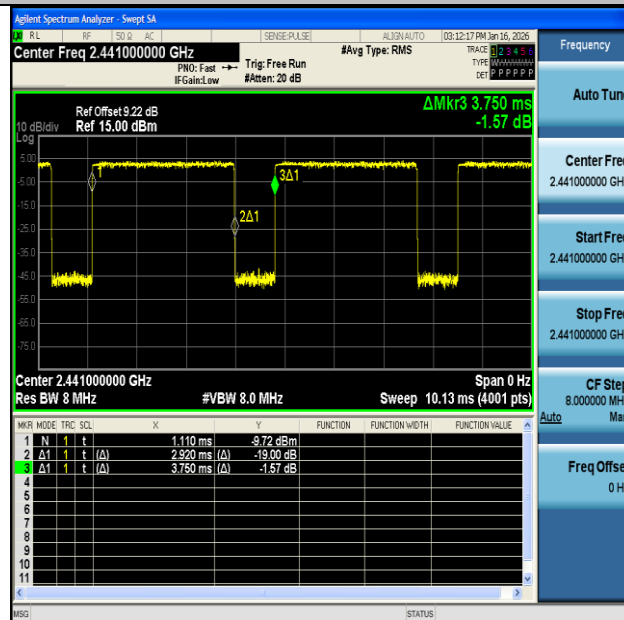


NTNV-2DH5-Ant1-2480





NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441





NTNV-3DH5-Ant1-2480

