



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

Product Name: Bluetooth Headset

Trade Mark: /

Test Model: BH26H6NEO

FCC ID: RDR-BH26H6NEO

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	0.966	2401.532	2402.498	---	---
DH5	Ant1	2441	0.957	2440.532	2441.489	---	---
DH5	Ant1	2480	0.957	2479.538	2480.495	---	---
2DH5	Ant1	2402	1.278	2401.370	2402.648	---	---
2DH5	Ant1	2441	1.356	2440.325	2441.681	---	---
2DH5	Ant1	2480	1.311	2479.346	2480.657	---	---
3DH5	Ant1	2402	1.296	2401.349	2402.645	---	---
3DH5	Ant1	2441	1.287	2440.355	2441.642	---	---
3DH5	Ant1	2480	1.296	2479.352	2480.648	---	---

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





Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402





2DH5-Ant1-2441

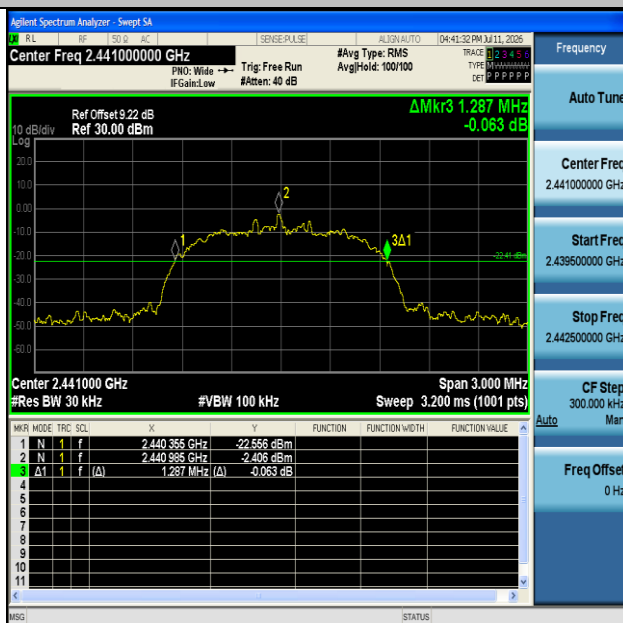


2DH5-Ant1-2480





3DH5-Ant1-2402



3DH5-Ant1-2441







Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.86731	2401.5663	2402.4336	---	---
DH5	Ant1	2441	0.86745	2440.5656	2441.4330	---	---
DH5	Ant1	2480	0.87592	2479.5650	2480.4409	---	---
2DH5	Ant1	2402	1.1783	2401.4108	2402.5891	---	---
2DH5	Ant1	2441	1.1958	2440.4060	2441.6018	---	---
2DH5	Ant1	2480	1.1788	2479.4133	2480.5921	---	---
3DH5	Ant1	2402	1.1869	2401.4056	2402.5925	---	---
3DH5	Ant1	2441	1.1924	2440.4066	2441.5990	---	---
3DH5	Ant1	2480	1.2116	2479.3928	2480.6044	---	---

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





Test Graphs



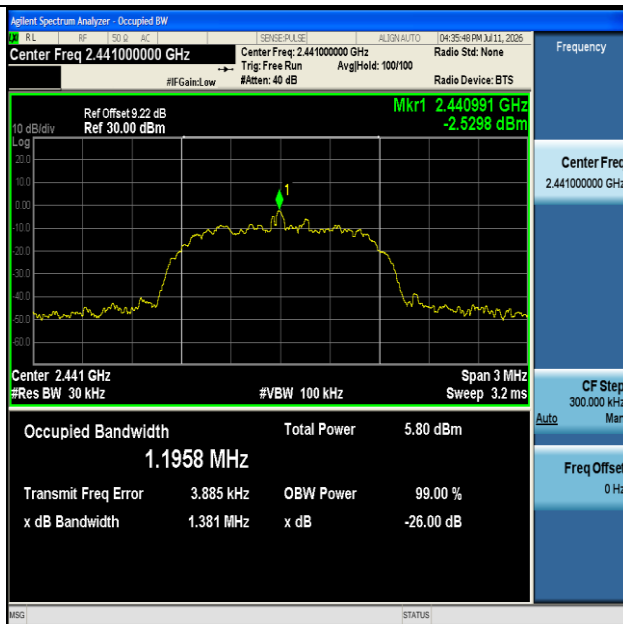


DH5-Ant1-2480

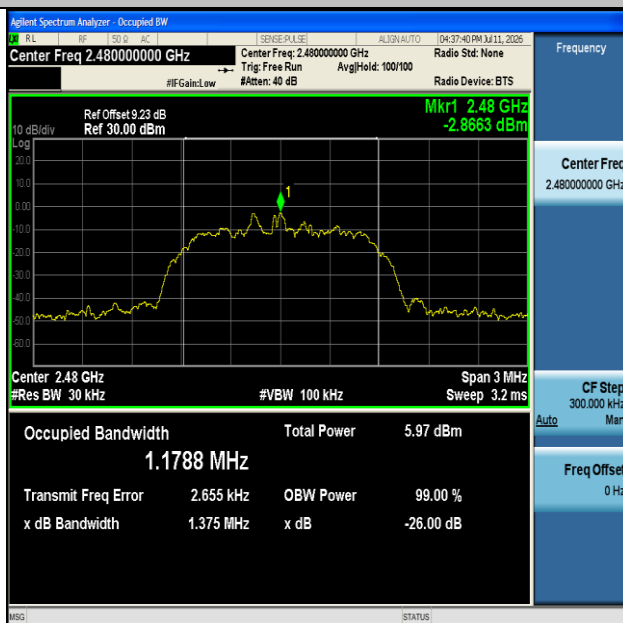


2DH5-Ant1-2402



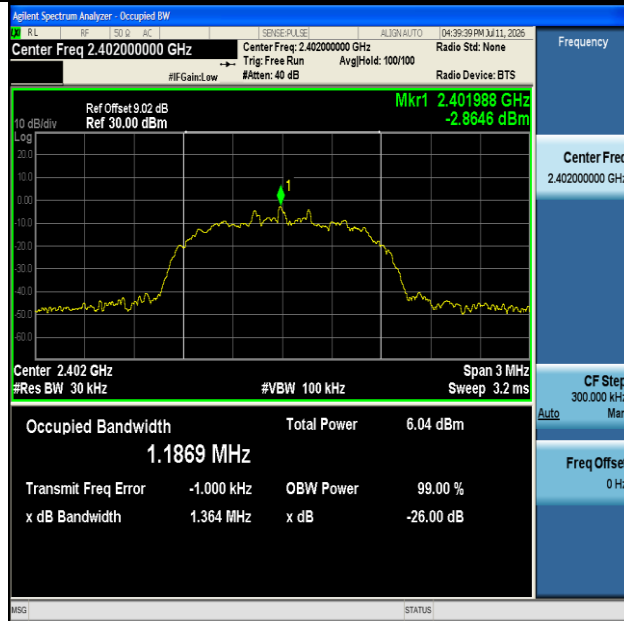


2DH5-Ant1-2441

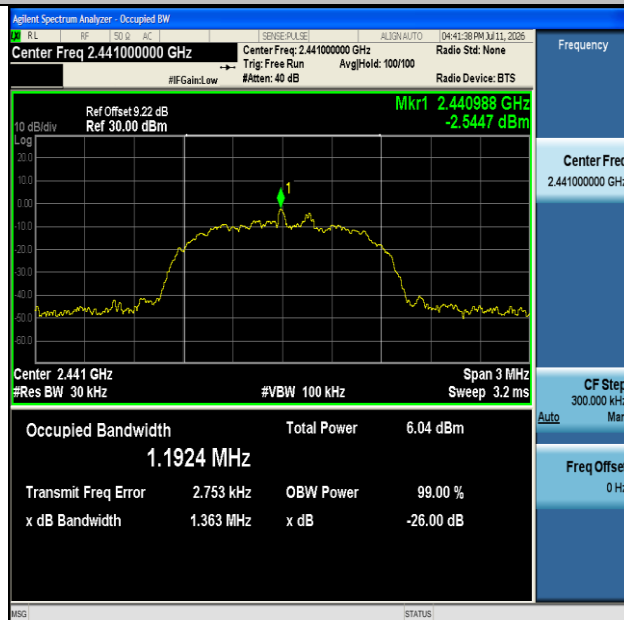


2DH5-Ant1-2480



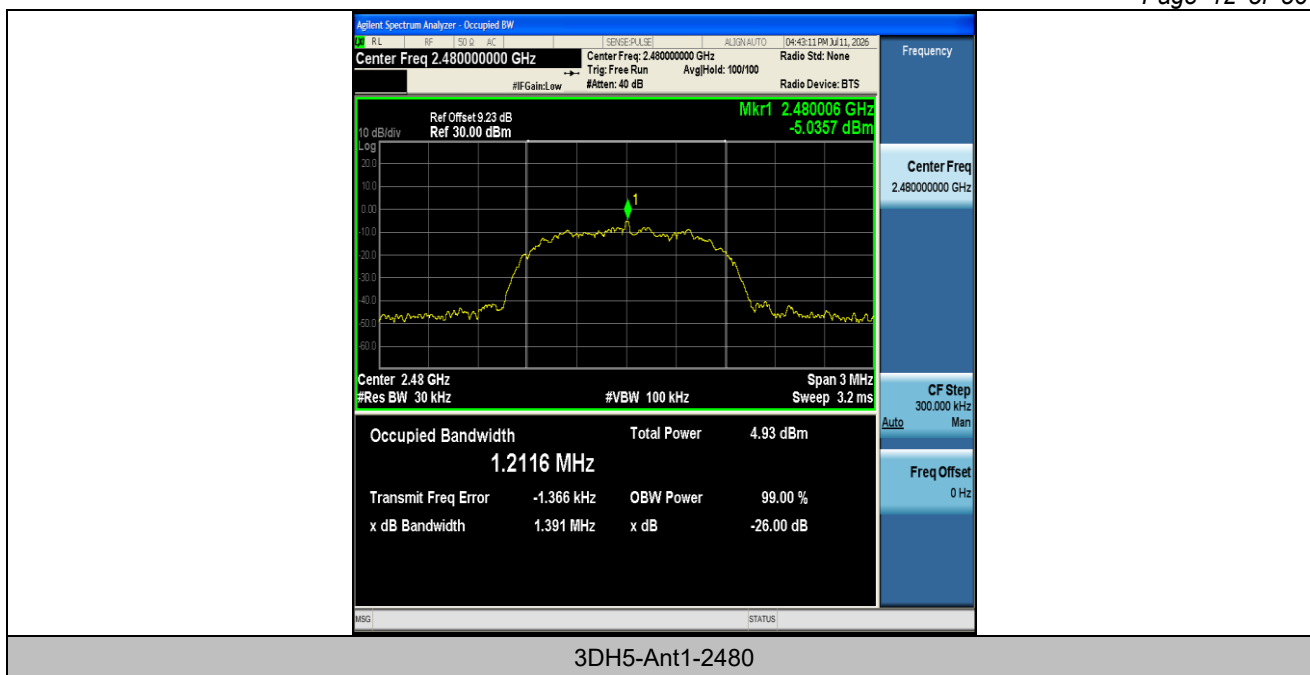


3DH5-Ant1-2402



3DH5-Ant1-2441







Appendix C: Maximum peak conducted output power

Test Result

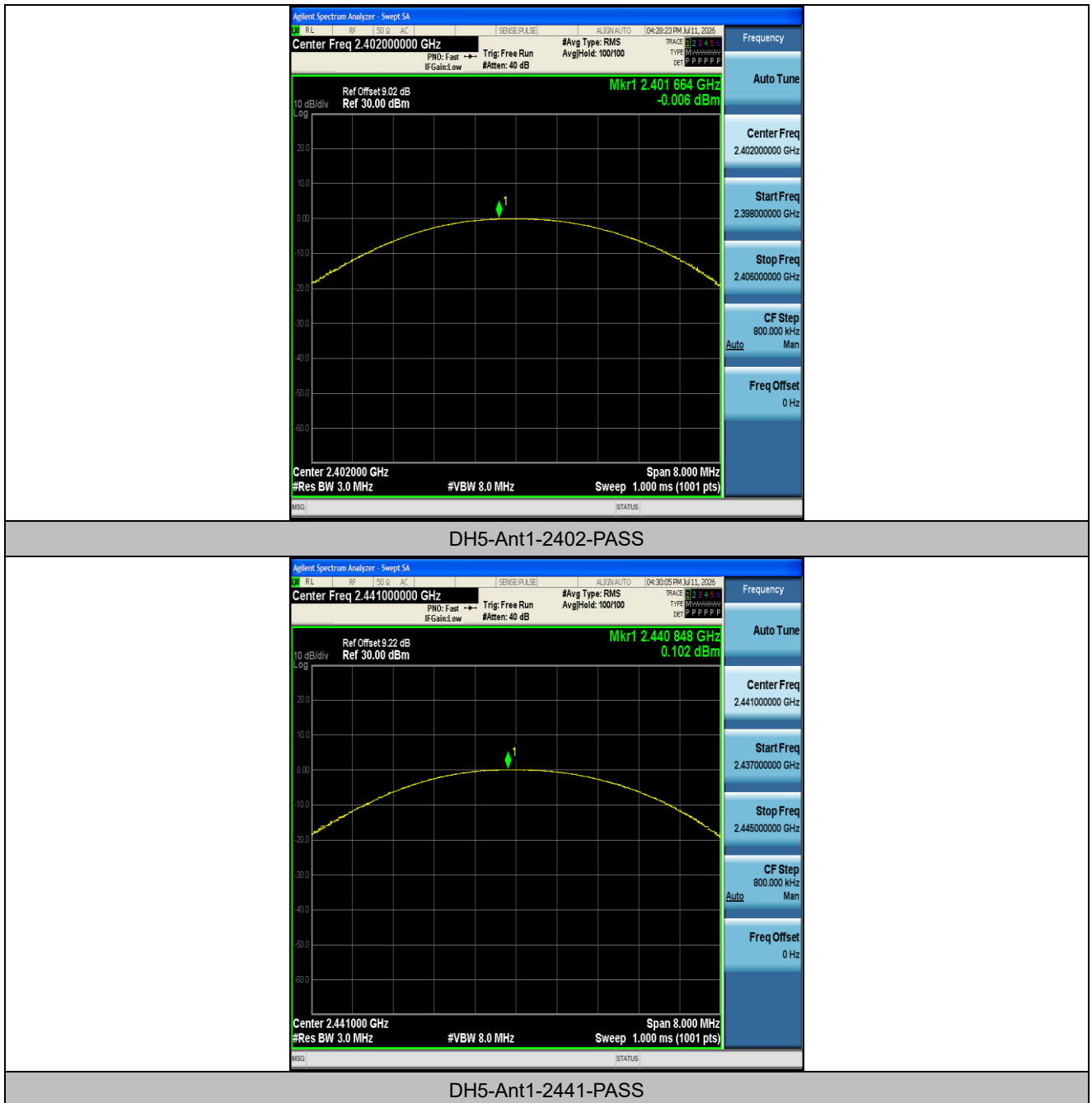
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-0.01	≤30	PASS
DH5	Ant1	2441	0.10	≤20.97	PASS
DH5	Ant1	2480	-0.28	≤20.97	PASS
2DH5	Ant1	2402	0.69	≤30	PASS
2DH5	Ant1	2441	0.82	≤20.97	PASS
2DH5	Ant1	2480	0.54	≤20.97	PASS
3DH5	Ant1	2402	1.08	≤30	PASS
3DH5	Ant1	2441	1.27	≤20.97	PASS
3DH5	Ant1	2480	0.88	≤20.97	PASS

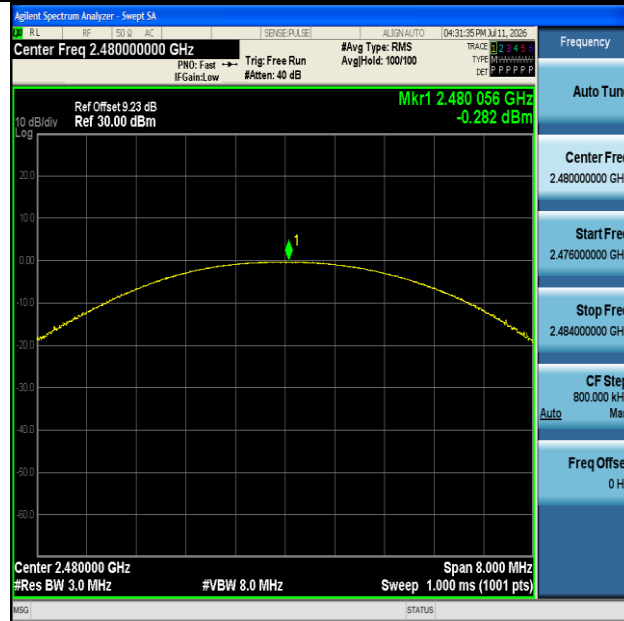
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



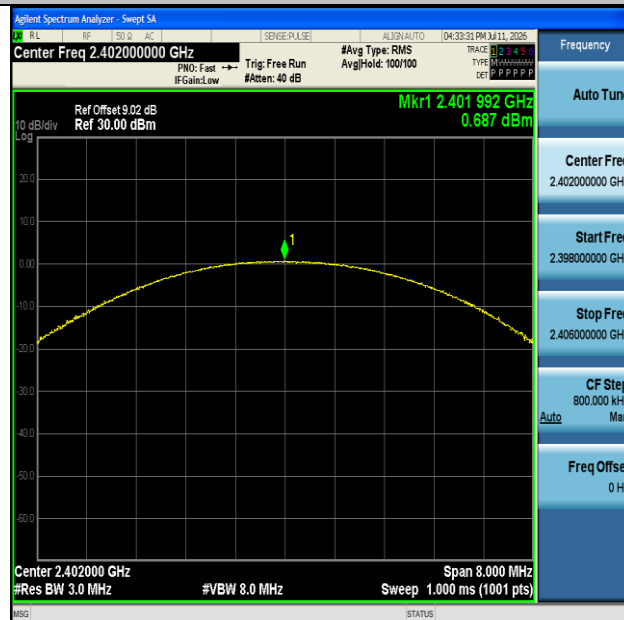


Test Graphs



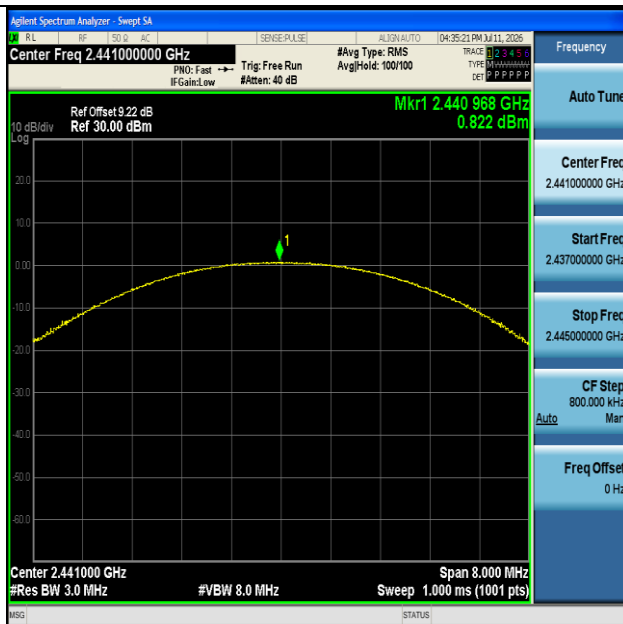


DH5-Ant1-2480-PASS

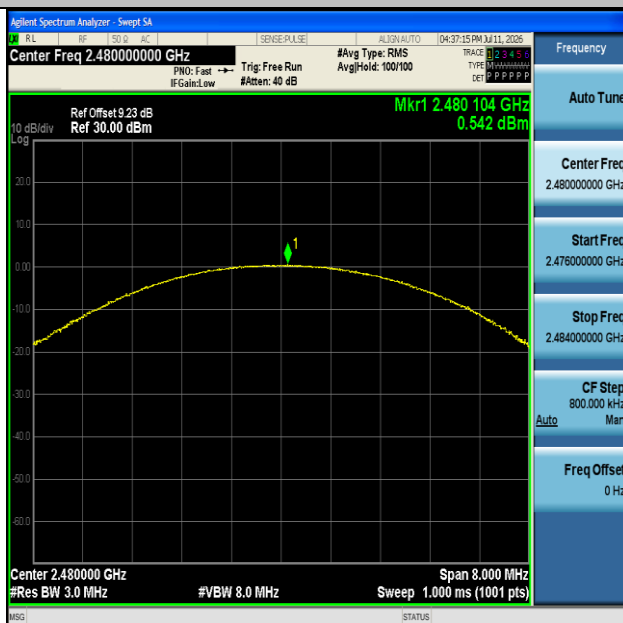


2DH5-Ant1-2402-PASS



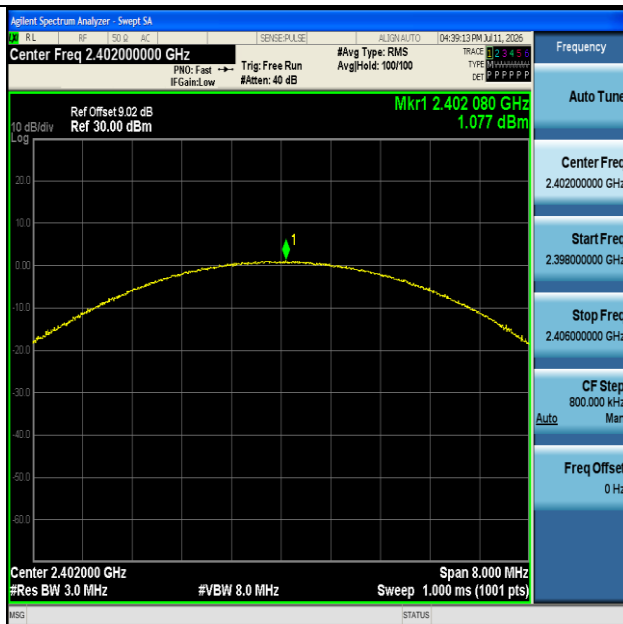


2DH5-Ant1-2441-PASS

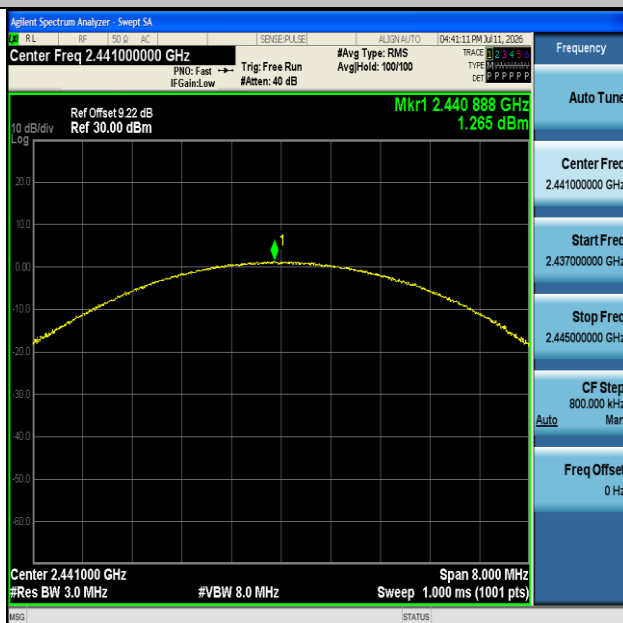


2DH5-Ant1-2480-PASS



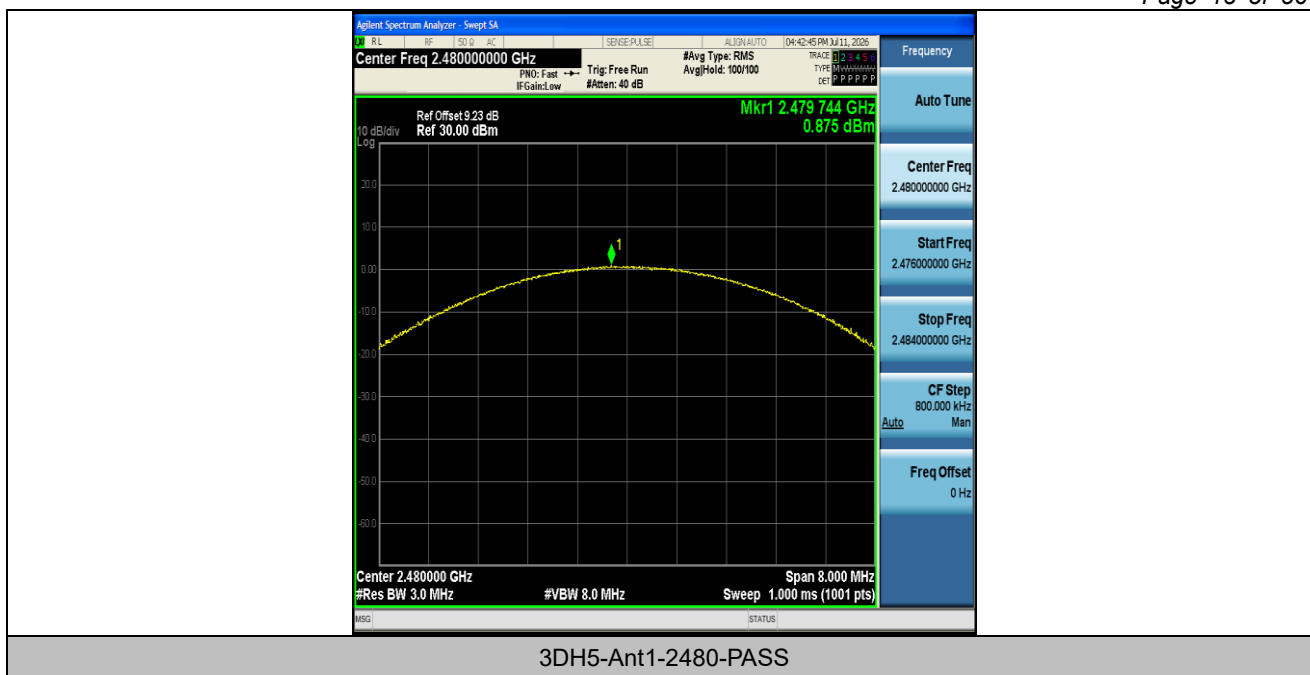


3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS







Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.014	≥ 0.966	PASS
2DH5	Ant1	Hop	0.988	≥ 0.904	PASS
3DH5	Ant1	Hop	0.998	≥ 0.864	PASS

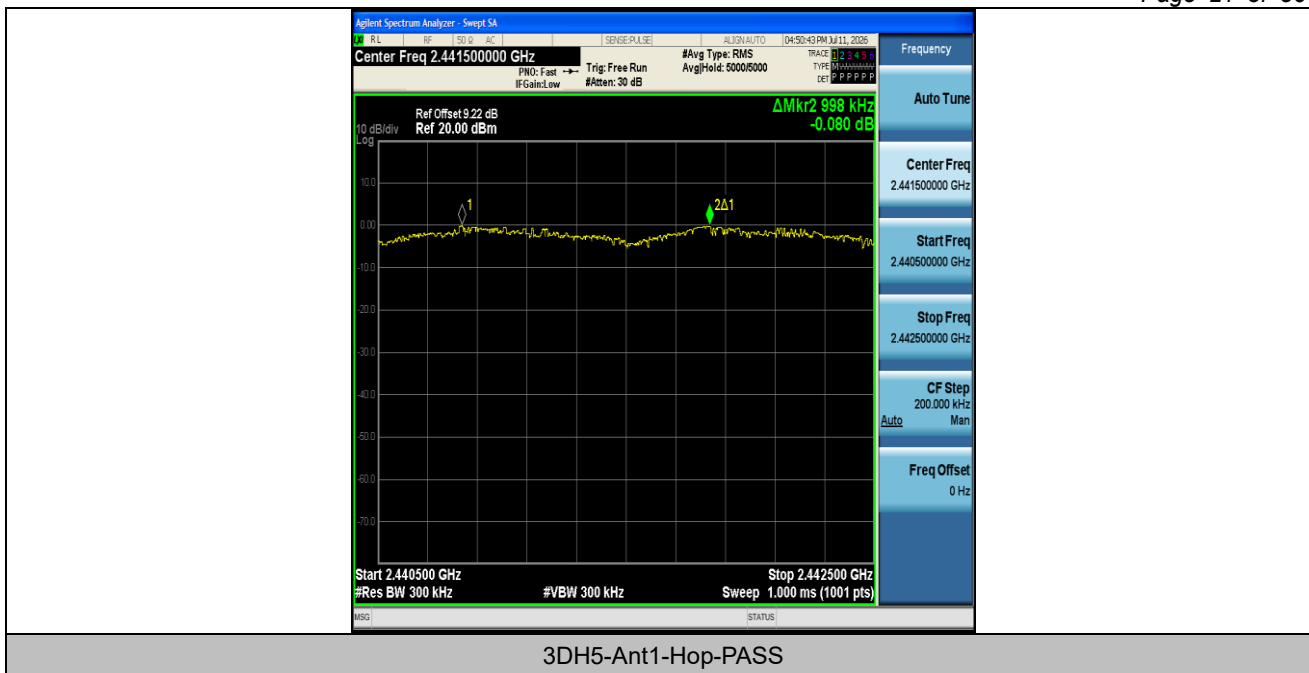
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Time of occupancy

Test Result

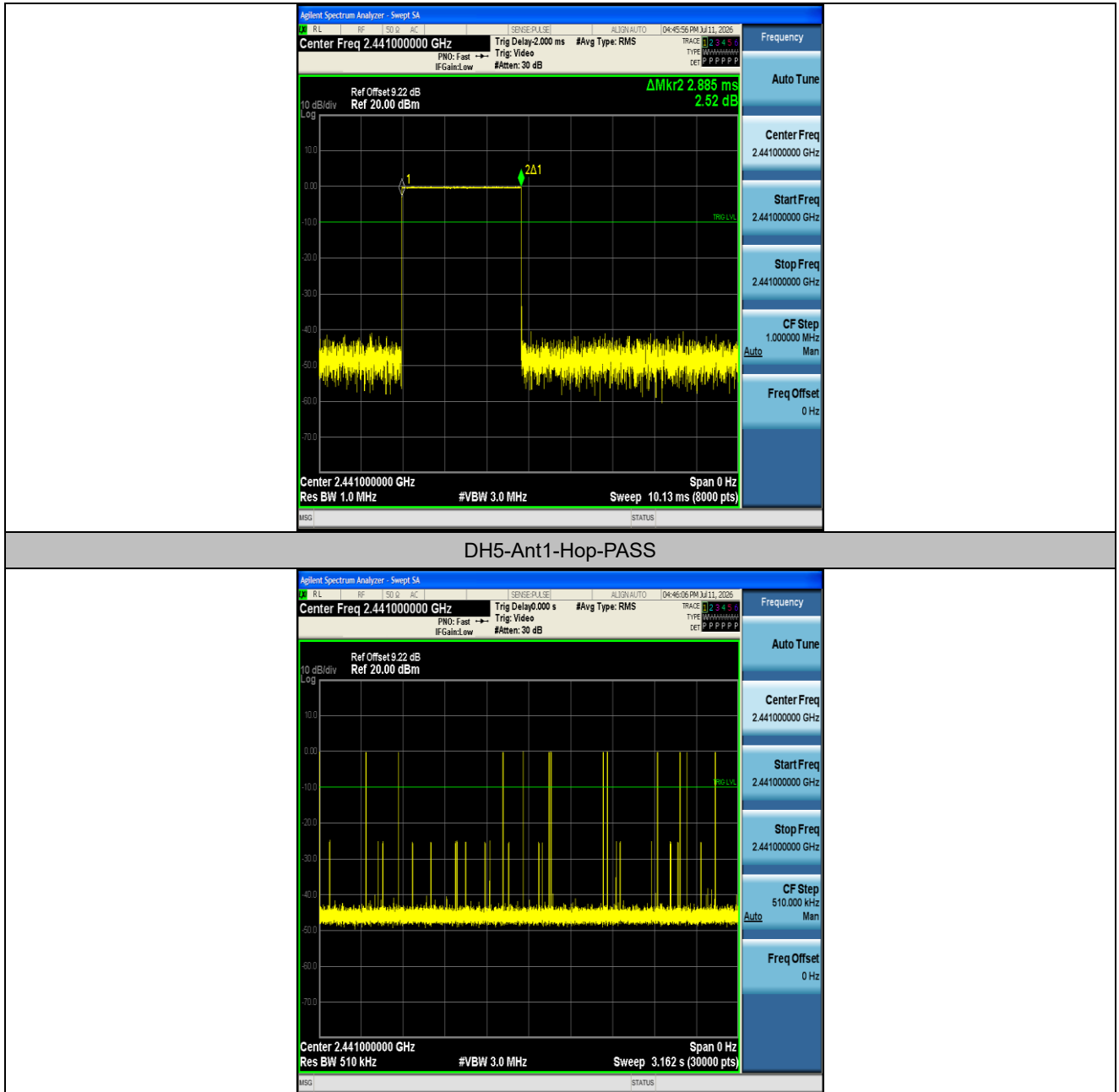
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	130	0.375	≤0.4	PASS
2DH5	Ant1	Hop	2.891	120	0.347	≤0.4	PASS
3DH5	Ant1	Hop	2.892	80	0.231	≤0.4	PASS

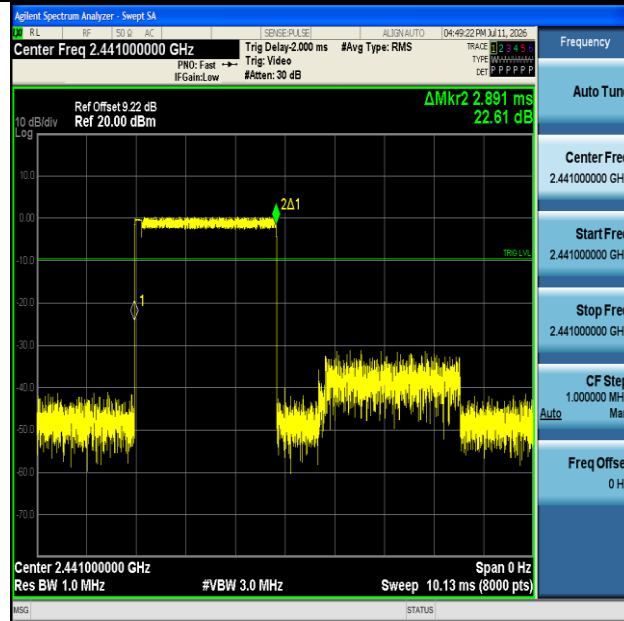
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



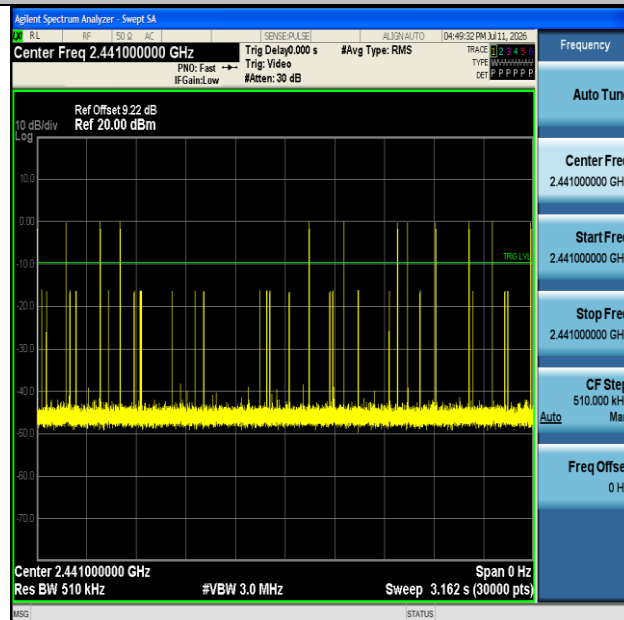


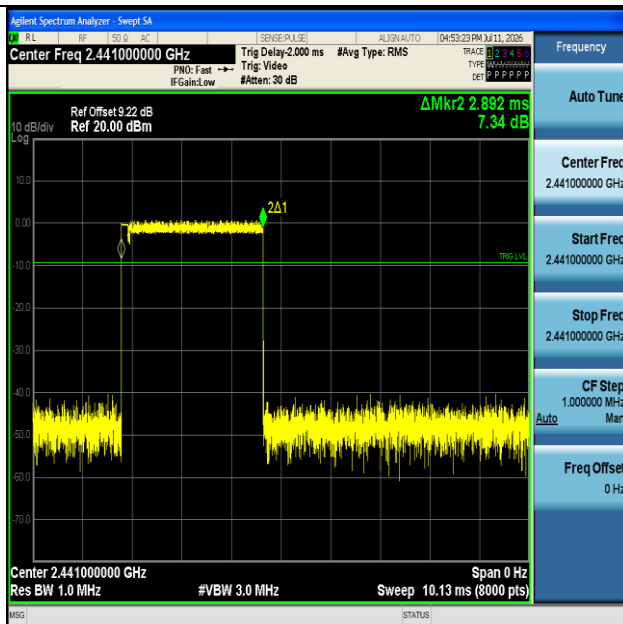
Test Graphs



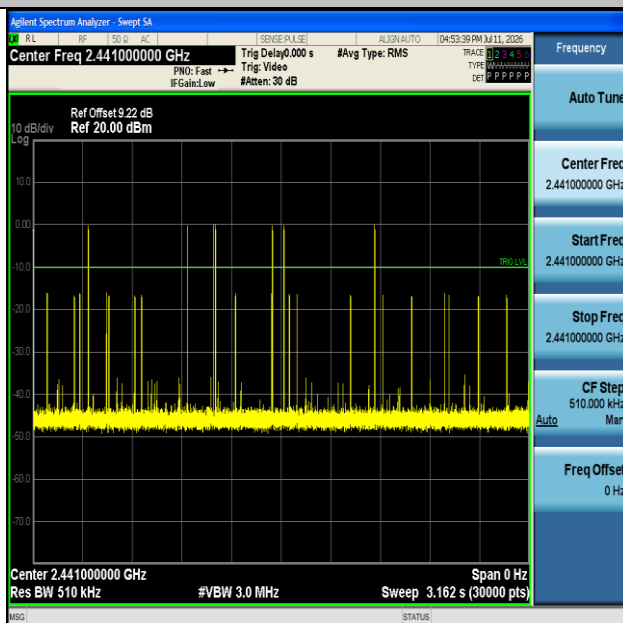


2DH5-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS





Appendix F: Number of hopping channels

Test Result

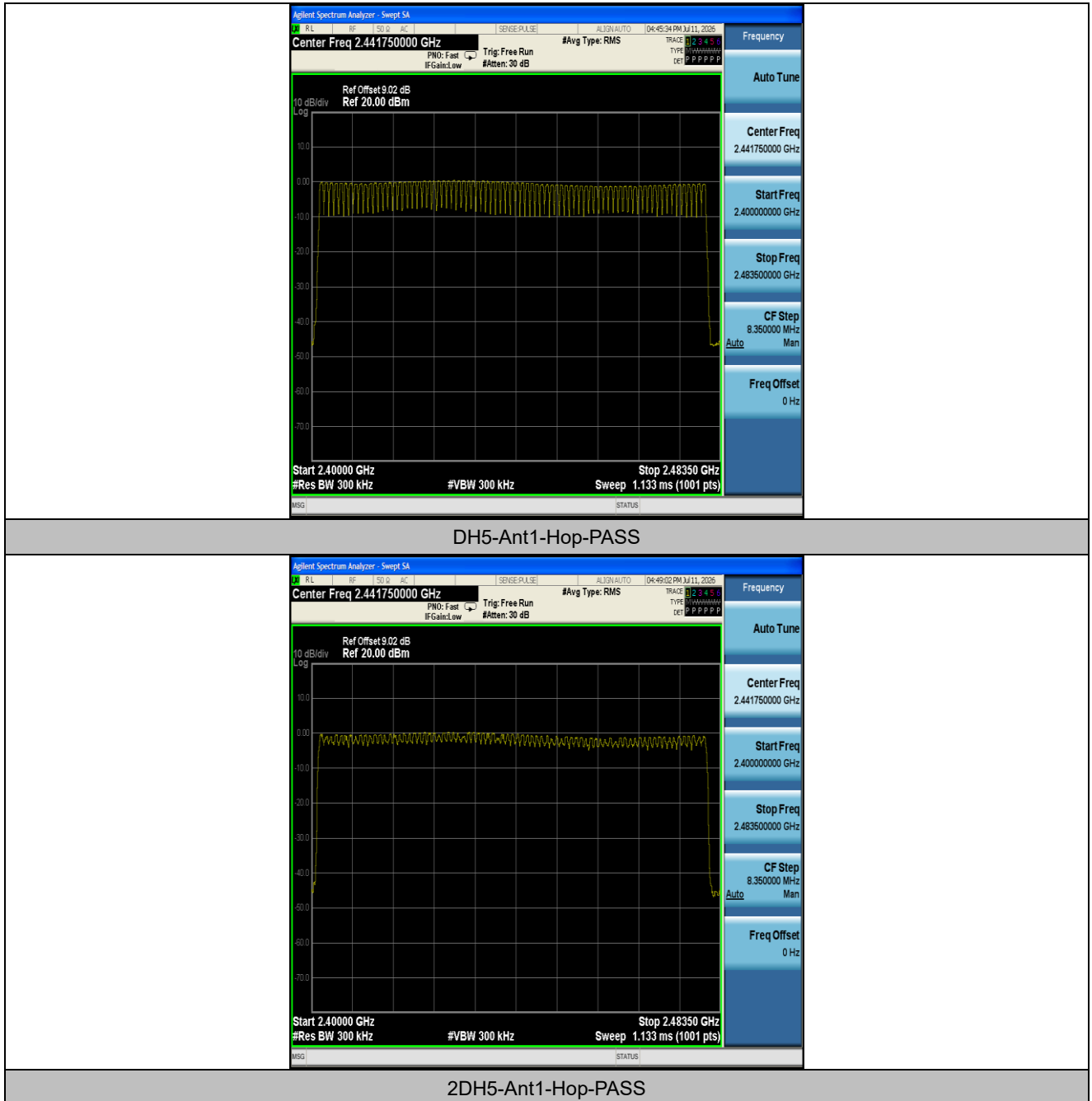
Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

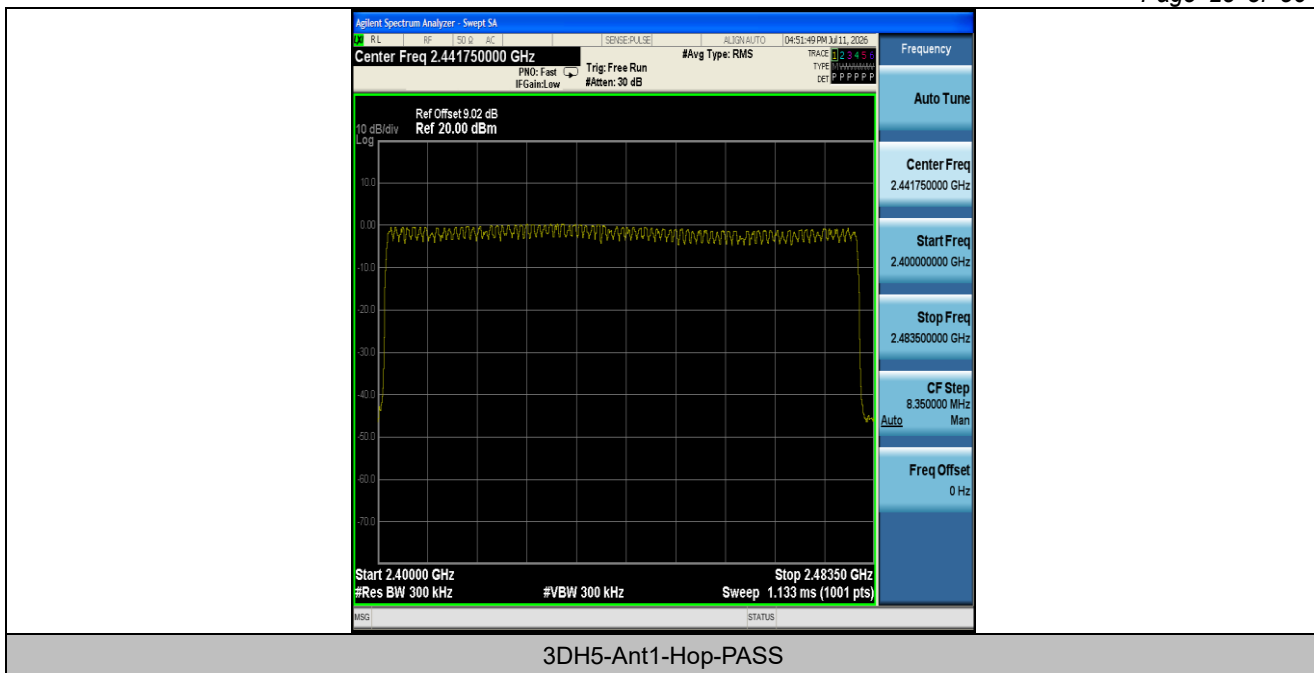
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix G: Band edge measurements

Test Result

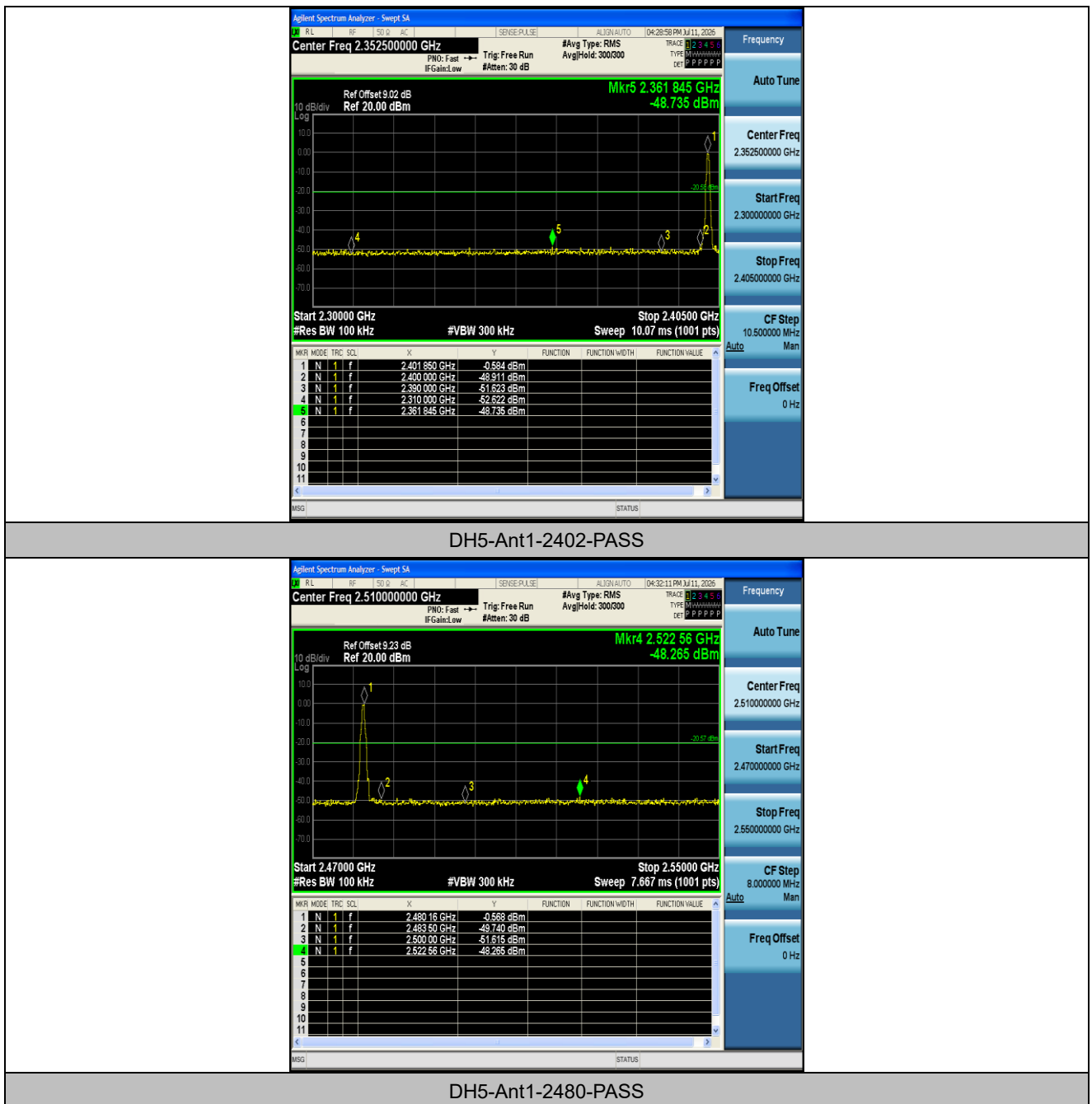
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.58	-48.74	≤-20.58	PASS
DH5	Ant1	High	2480	-0.57	-48.27	≤-20.57	PASS
DH5	Ant1	Low	Hop_2402	-0.42	-48.8	≤-20.42	PASS
DH5	Ant1	High	Hop_2480	-0.24	-48.14	≤-20.24	PASS
2DH5	Ant1	Low	2402	-0.32	-48.48	≤-20.32	PASS
2DH5	Ant1	High	2480	-4.88	-48.93	≤-24.88	PASS
2DH5	Ant1	Low	Hop_2402	-0.25	-49.23	≤-20.25	PASS
2DH5	Ant1	High	Hop_2480	-3.90	-42.52	≤-23.9	PASS
3DH5	Ant1	Low	2402	-3.22	-48.7	≤-23.22	PASS
3DH5	Ant1	High	2480	-3.55	-47.45	≤-23.55	PASS
3DH5	Ant1	Low	Hop_2402	-3.55	-49.1	≤-23.55	PASS
3DH5	Ant1	High	Hop_2480	-2.78	-47.71	≤-22.78	PASS

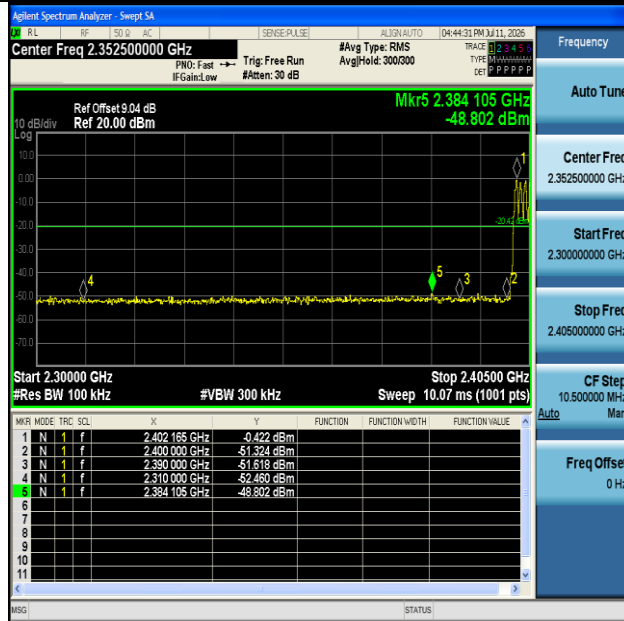
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



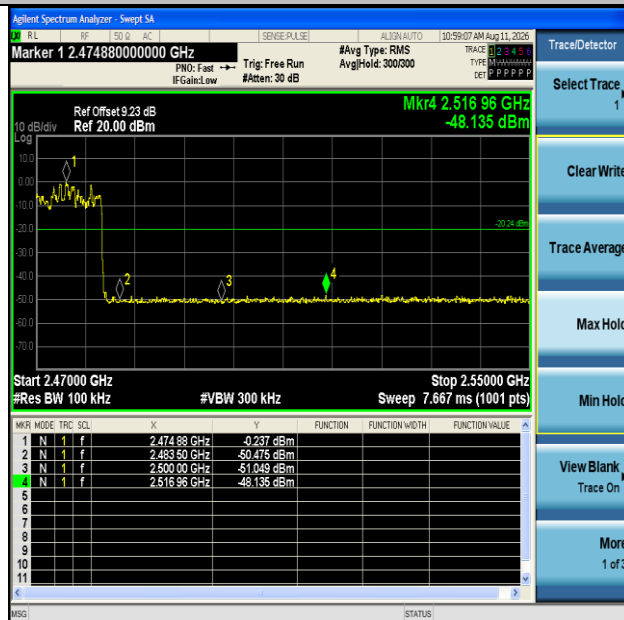


Test Graphs



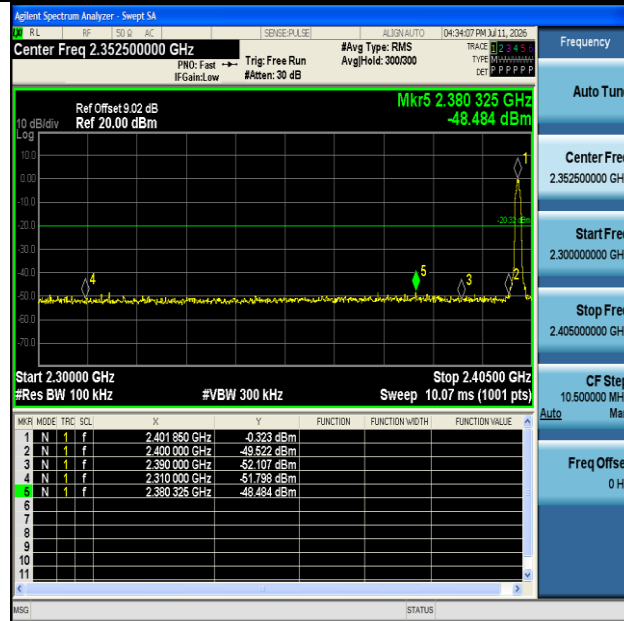


DH5-Ant1-Hop_2402-PASS

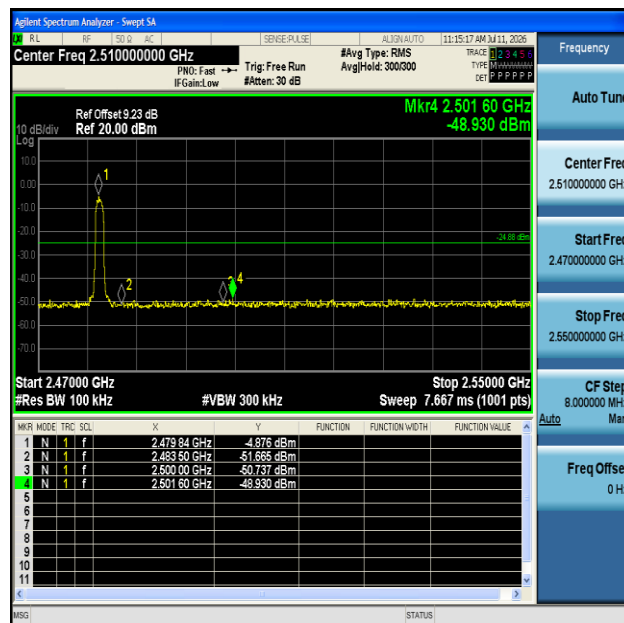


DH5-Ant1-Hop_2480-PASS



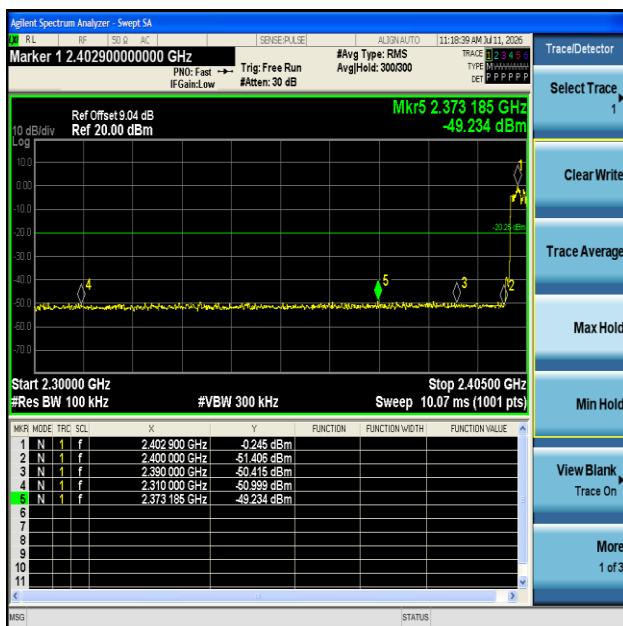


2DH5-Ant1-2402-PASS

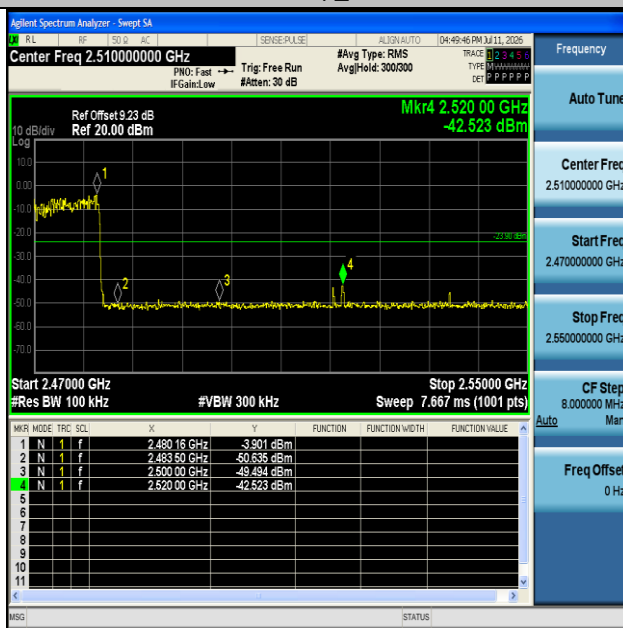


2DH5-Ant1-2480-PASS



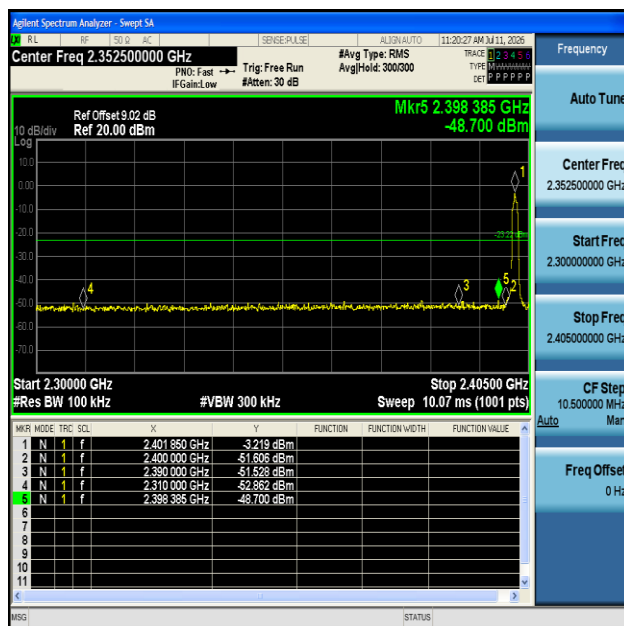


2DH5-Ant1-Hop_2402-PASS

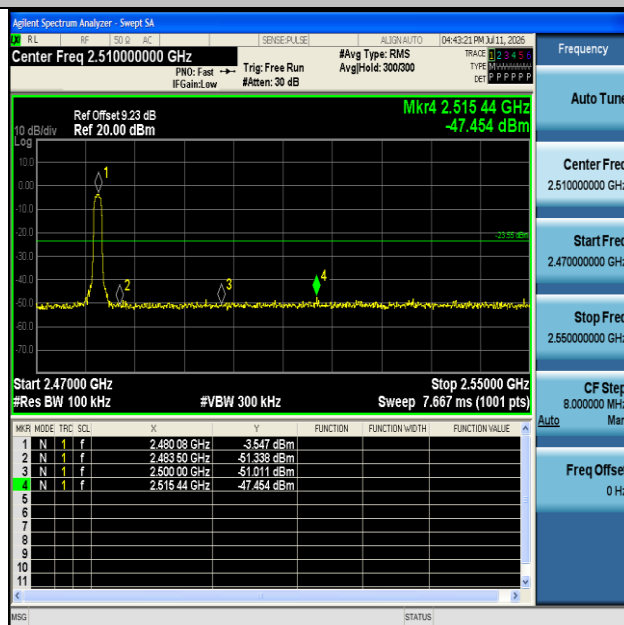


2DH5-Ant1-Hop_2480-PASS



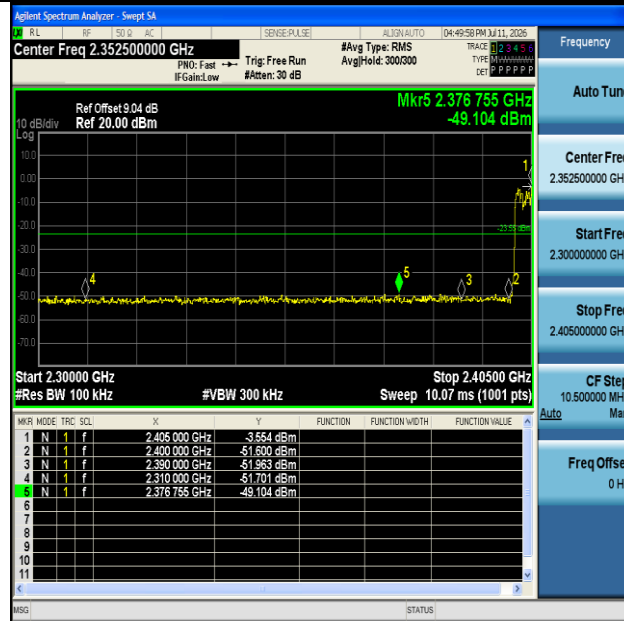


3DH5-Ant1-2402-PASS

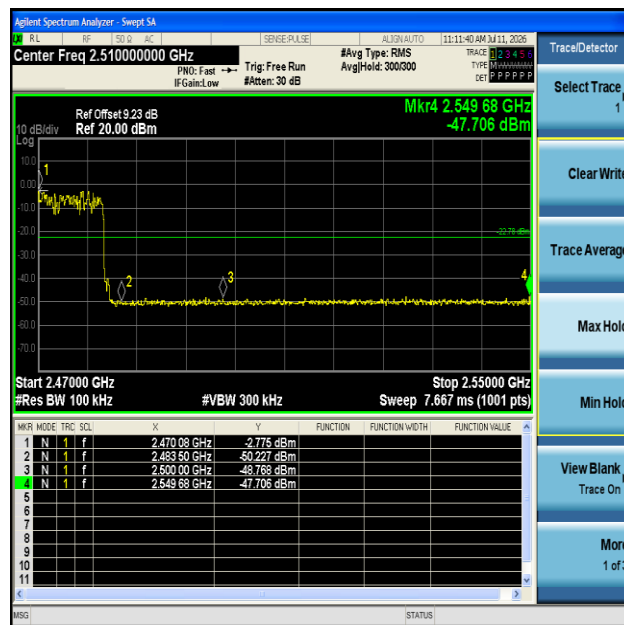


3DH5-Ant1-2480-PASS





3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS





Appendix H: Conducted Spurious Emission

Test Result

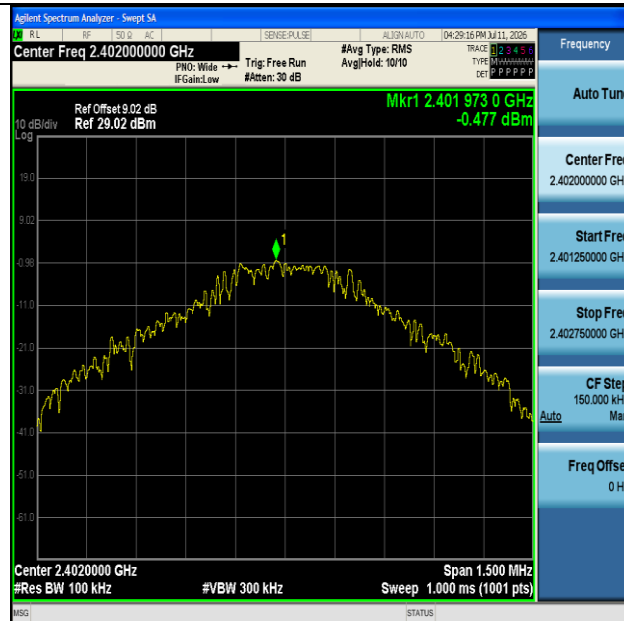
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.48	-0.48	---	PASS
DH5	Ant1	2402	30~1000	-0.48	-62.65	≤ -20.48	PASS
DH5	Ant1	2402	1000~26500	-0.48	-36.65	≤ -20.48	PASS
DH5	Ant1	2441	0~Reference	-1.00	-1.00	---	PASS
DH5	Ant1	2441	30~1000	-1.00	-62.61	≤ -21	PASS
DH5	Ant1	2441	1000~26500	-1.00	-36.59	≤ -21	PASS
DH5	Ant1	2480	0~Reference	-1.37	-1.37	---	PASS
DH5	Ant1	2480	30~1000	-1.37	-62.66	≤ -21.37	PASS
DH5	Ant1	2480	1000~26500	-1.37	-37.65	≤ -21.37	PASS
2DH5	Ant1	2402	0~Reference	-1.40	-1.40	---	PASS
2DH5	Ant1	2402	30~1000	-1.40	-62.85	≤ -21.4	PASS
2DH5	Ant1	2402	1000~26500	-1.40	-36.48	≤ -21.4	PASS
2DH5	Ant1	2441	0~Reference	-3.29	-3.29	---	PASS
2DH5	Ant1	2441	30~1000	-3.29	-62.78	≤ -23.29	PASS
2DH5	Ant1	2441	1000~26500	-3.29	-37.82	≤ -23.29	PASS
2DH5	Ant1	2480	0~Reference	-4.72	-4.72	---	PASS
2DH5	Ant1	2480	30~1000	-4.72	-61.85	≤ -24.72	PASS
2DH5	Ant1	2480	1000~26500	-4.72	-37.93	≤ -24.72	PASS
3DH5	Ant1	2402	0~Reference	-3.57	-3.57	---	PASS
3DH5	Ant1	2402	30~1000	-3.57	-62.77	≤ -23.57	PASS
3DH5	Ant1	2402	1000~26500	-3.57	-37.93	≤ -23.57	PASS
3DH5	Ant1	2441	0~Reference	-3.46	-3.46	---	PASS
3DH5	Ant1	2441	30~1000	-3.46	-63.15	≤ -23.46	PASS
3DH5	Ant1	2441	1000~26500	-3.46	-37.8	≤ -23.46	PASS
3DH5	Ant1	2480	0~Reference	-3.26	-3.26	---	PASS
3DH5	Ant1	2480	30~1000	-3.26	-62.44	≤ -23.26	PASS
3DH5	Ant1	2480	1000~26500	-3.26	-37.76	≤ -23.26	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.

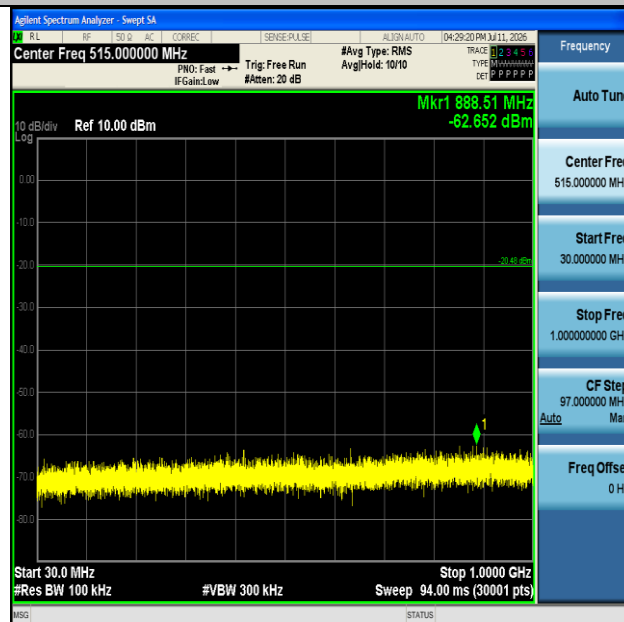




Test Graphs

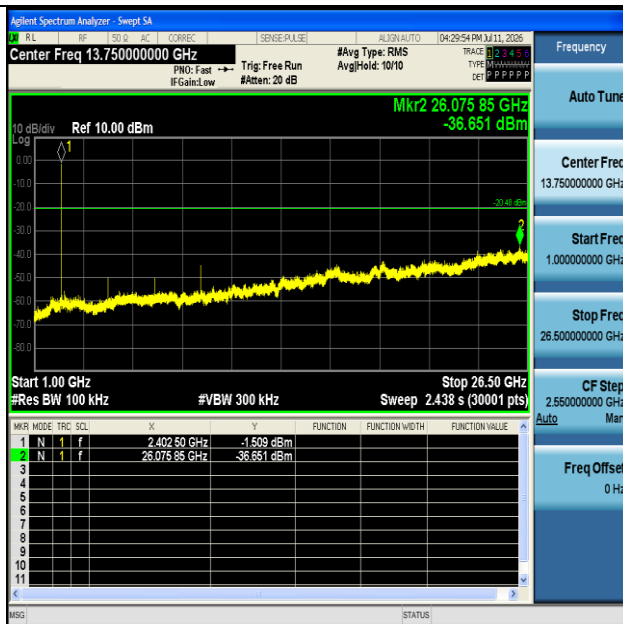


DH5-Ant1-2402-0~Reference-PASS

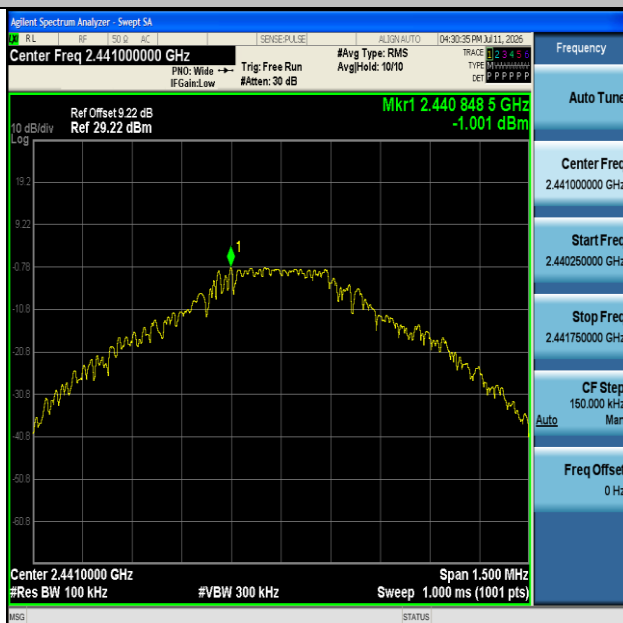


DH5-Ant1-2402-30~1000-PASS



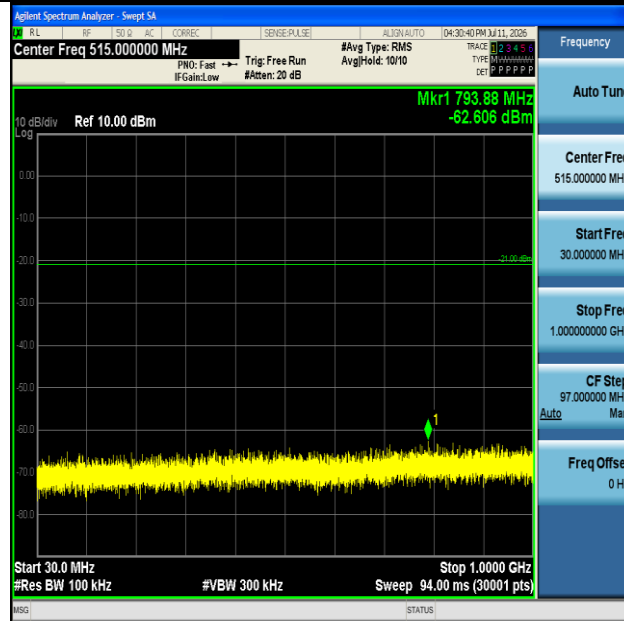


DH5-Ant1-2402-1000~26500-PASS

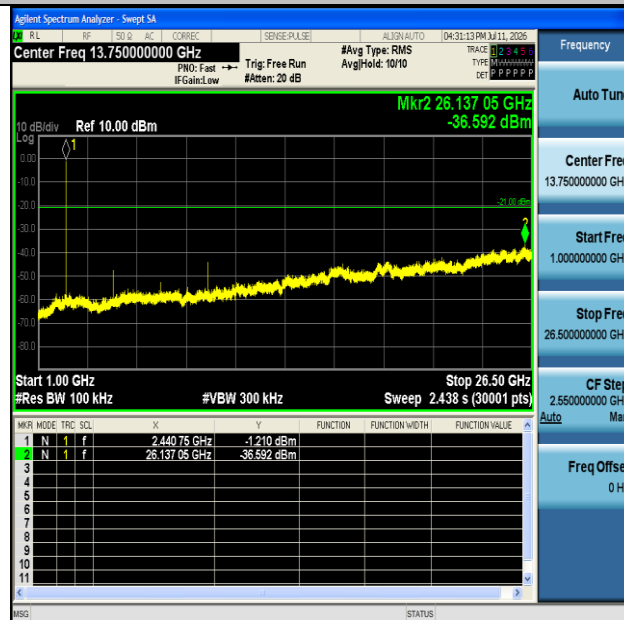


DH5-Ant1-2441-0~Reference-PASS





DH5-Ant1-2441-30~1000-PASS

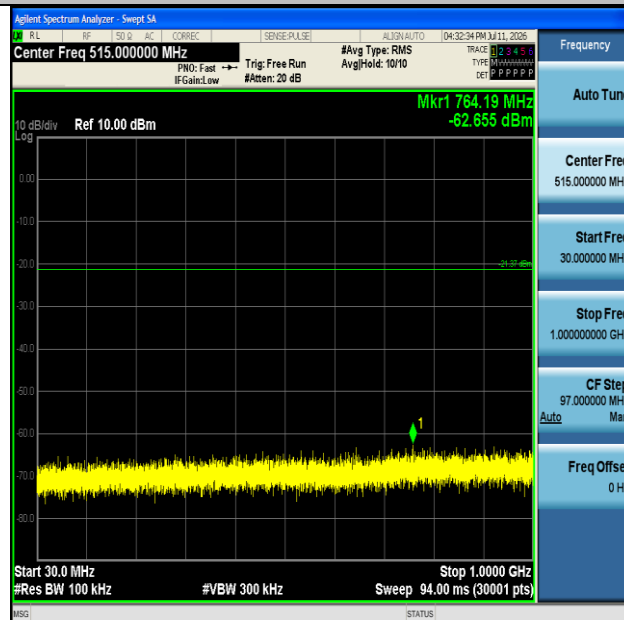


DH5-Ant1-2441-1000~26500-PASS



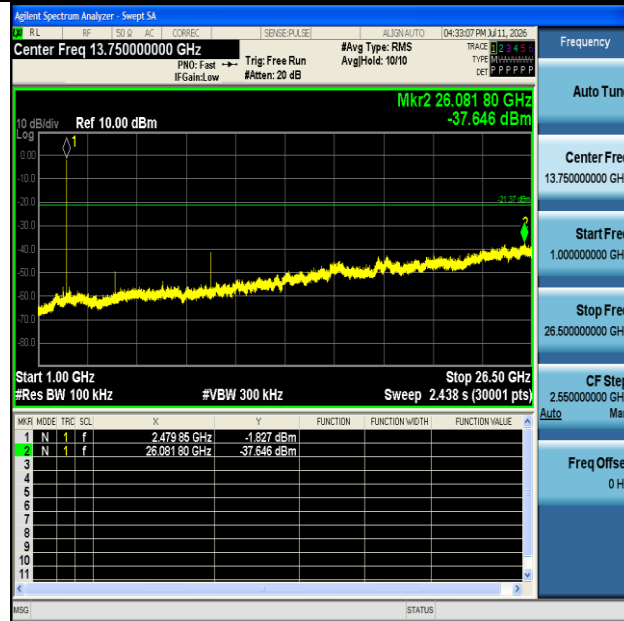


DH5-Ant1-2480-0~Reference-PASS

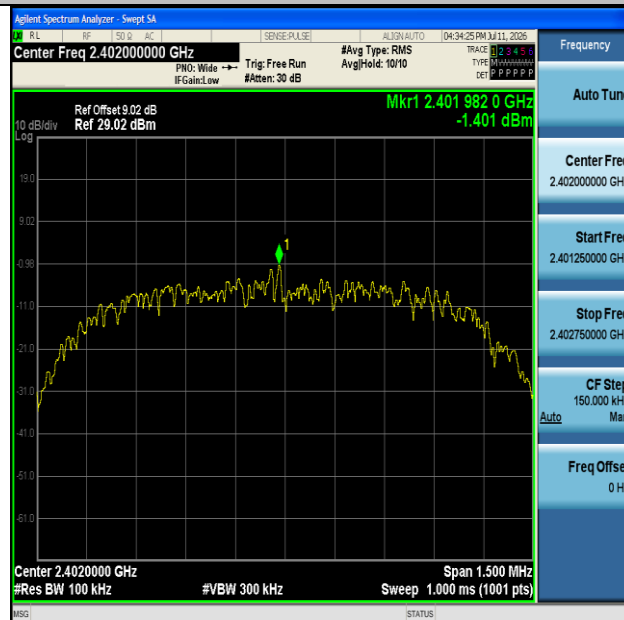


DH5-Ant1-2480-30~1000-PASS





DH5-Ant1-2480-1000~26500-PASS

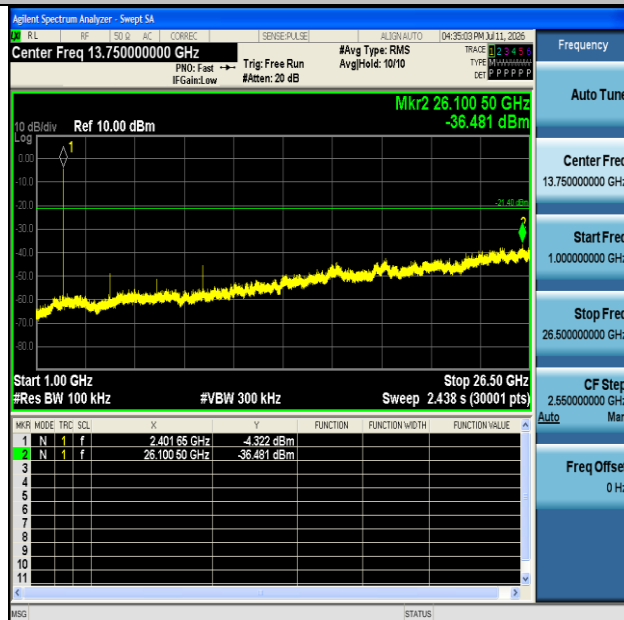


2DH5-Ant1-2402-0~Reference-PASS



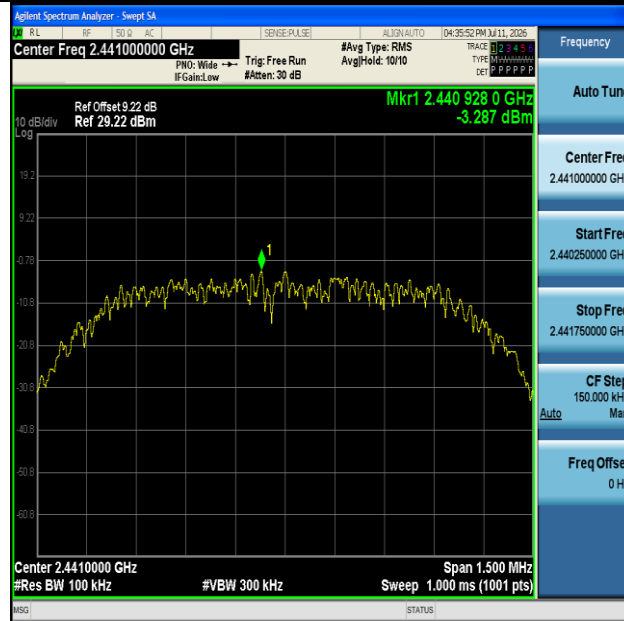


2DH5-Ant1-2402-30~1000-PASS

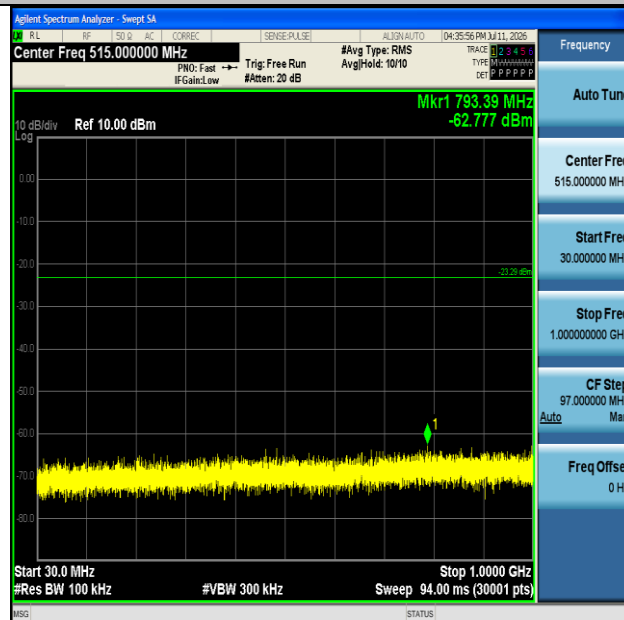


2DH5-Ant1-2402-1000~26500-PASS



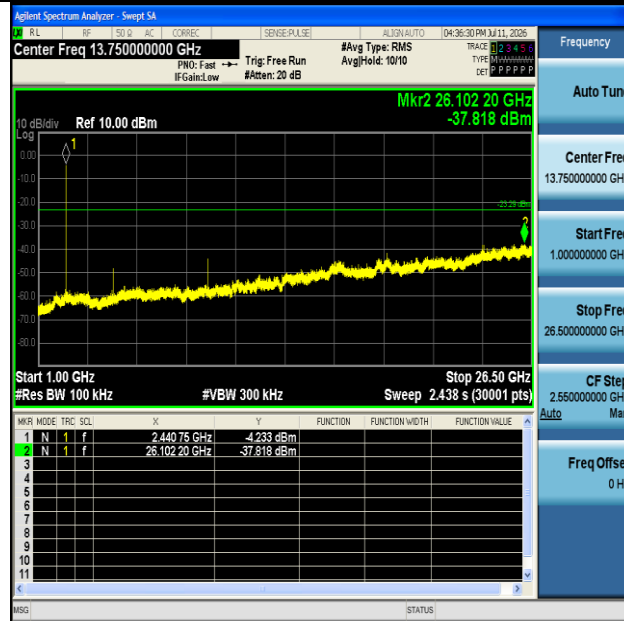


2DH5-Ant1-2441-0~Reference-PASS



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



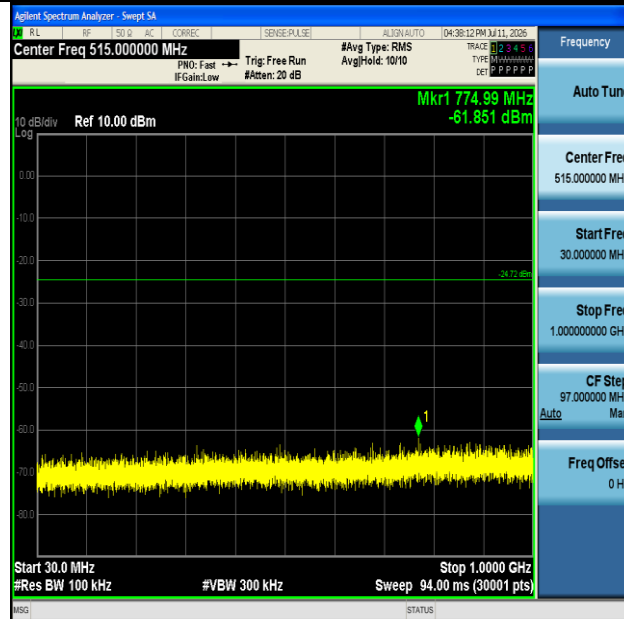


2DH5-Ant1-2441-1000~26500-PASS



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





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

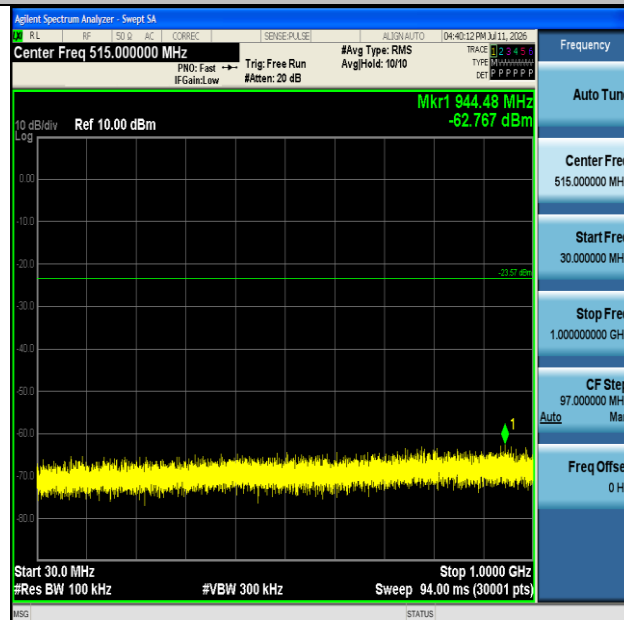


2DH5-Ant1-2480-1000~26500-PASS





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

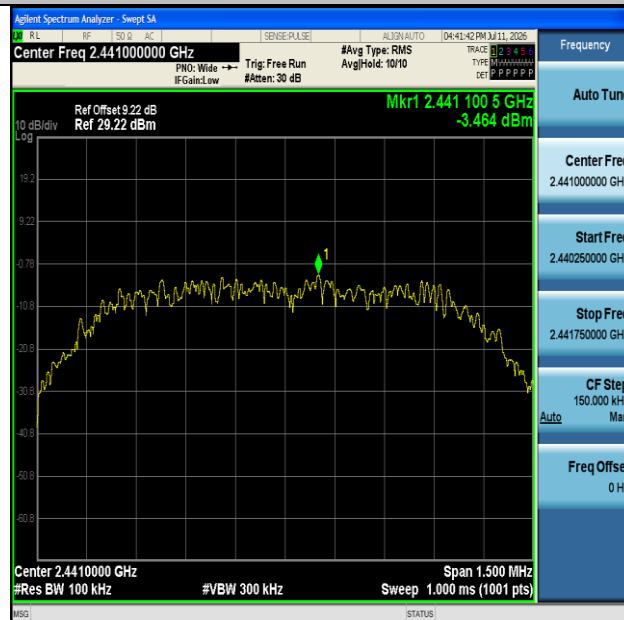


3DH5-Ant1-2402-30~1000-PASS



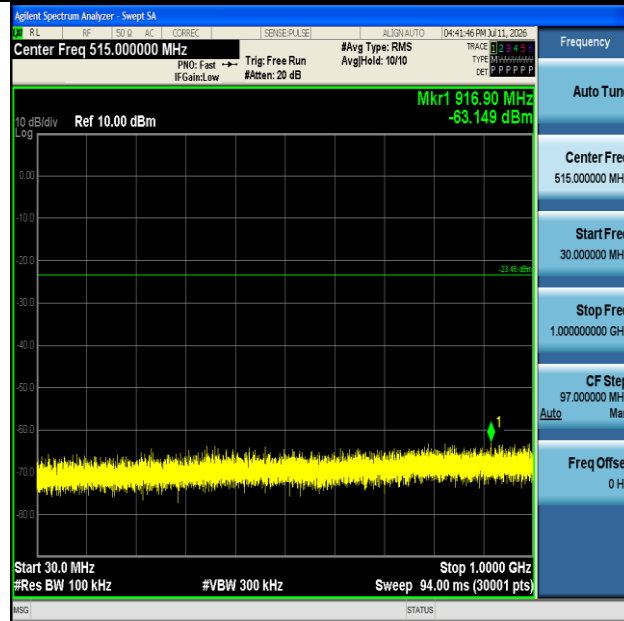


3DH5-Ant1-2402-1000~26500-PASS

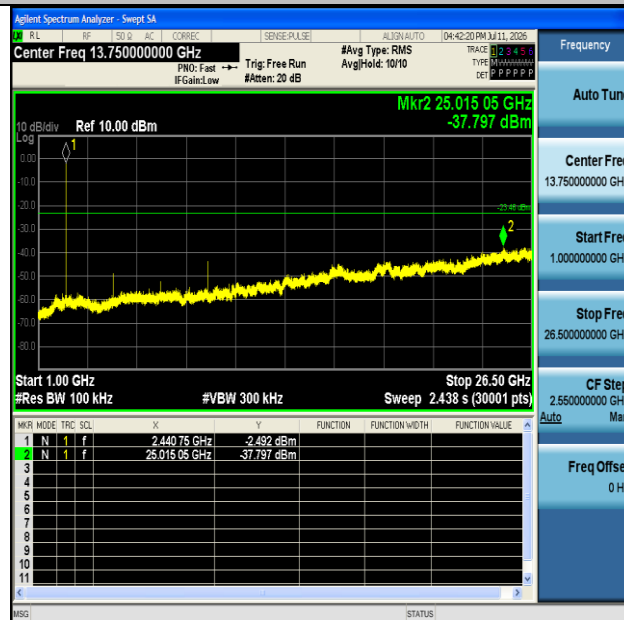


3DH5-Ant1-2441-0~Reference-PASS





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

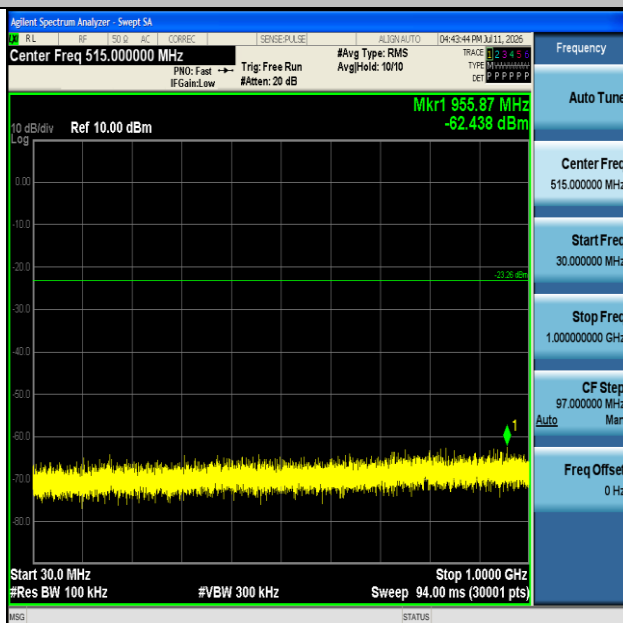


3DH5-Ant1-2441-1000~26500-PASS



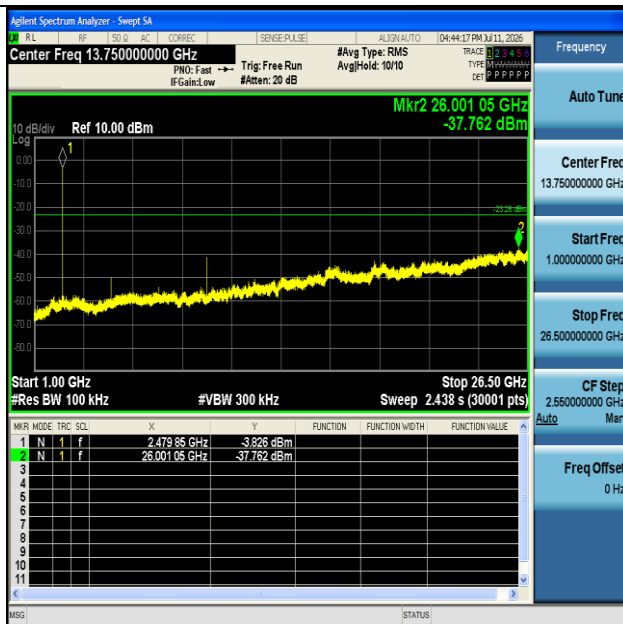


3DH5-Ant1-2480-0~Reference-PASS



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	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
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
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.89	3.74	77.27	1.12
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

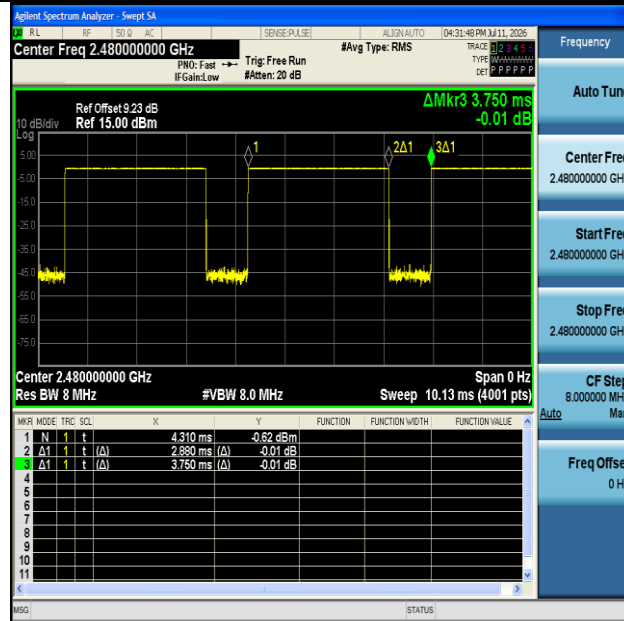
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



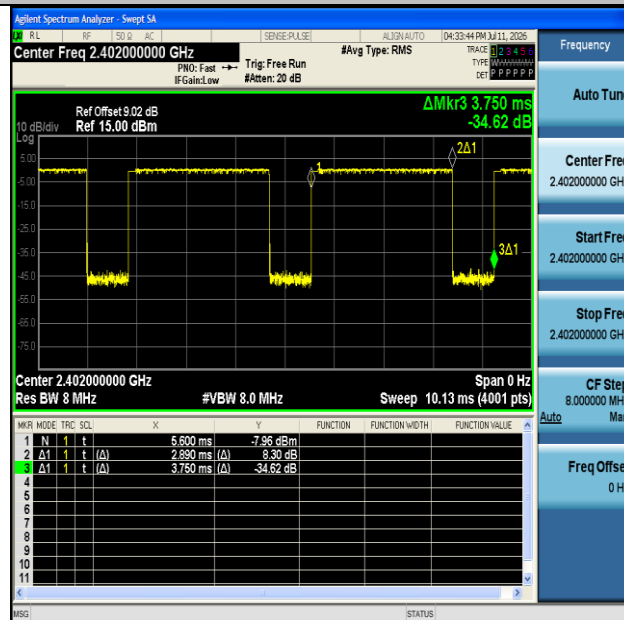


Test Graphs



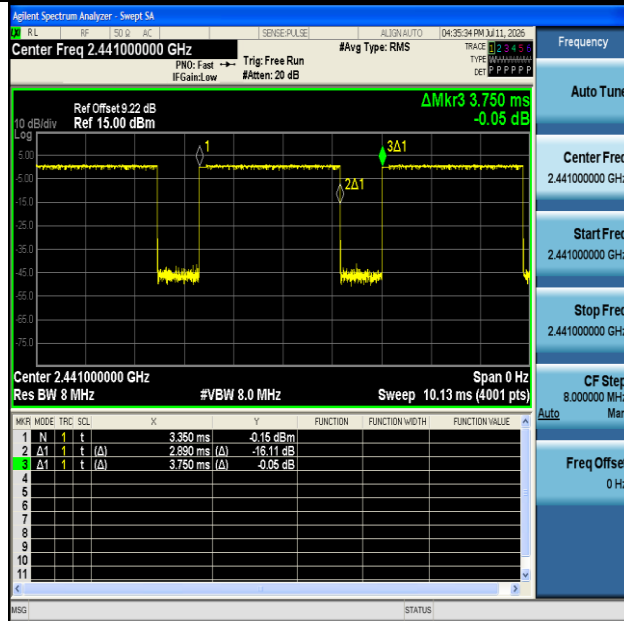


NTNV-DH5-Ant1-2480

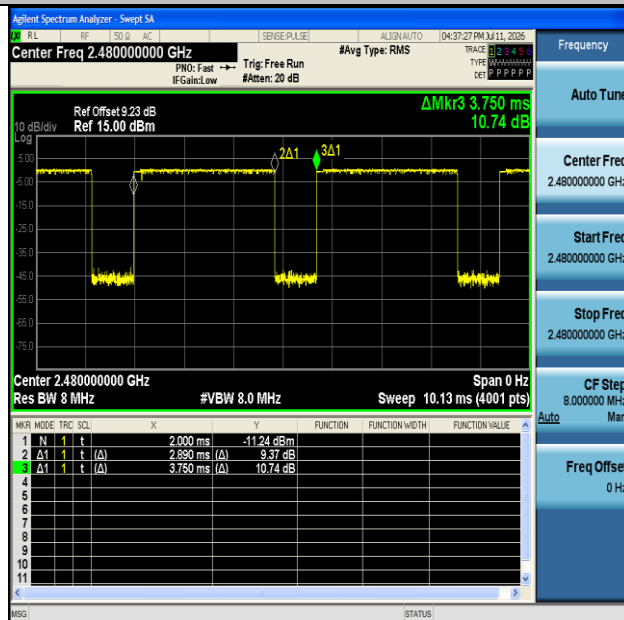


NTNV-2DH5-Ant1-2402



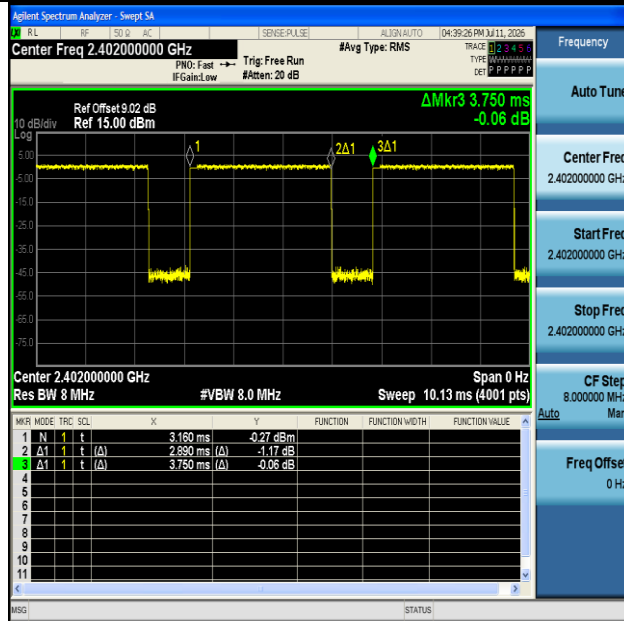


NTNV-2DH5-Ant1-2441

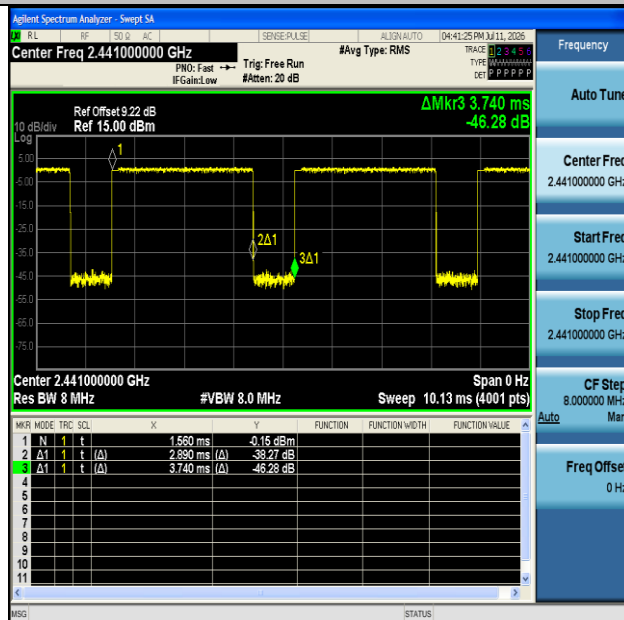


NTNV-2DH5-Ant1-2480



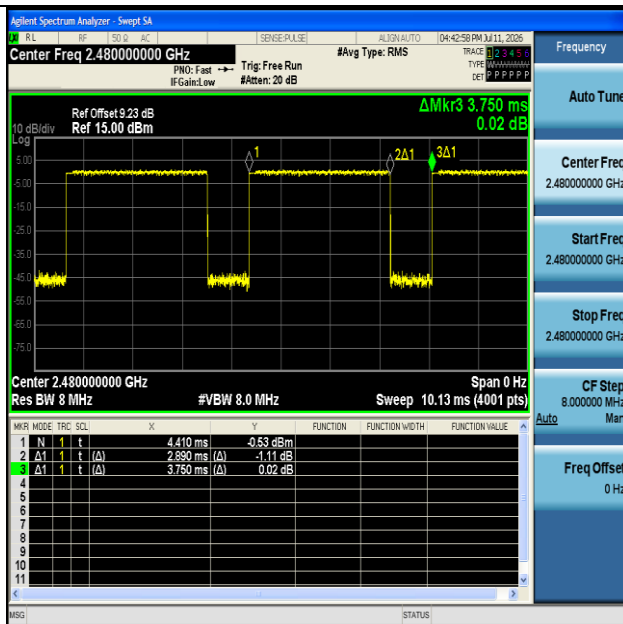


NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441





NTNV-3DH5-Ant1-2480

