

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

Product Name: Wireless Transmitter and Receiver

Trade Mark: /

Test Model: YET-TX20

FCC ID: 2A5P3-YET-TX20

Environmental Conditions

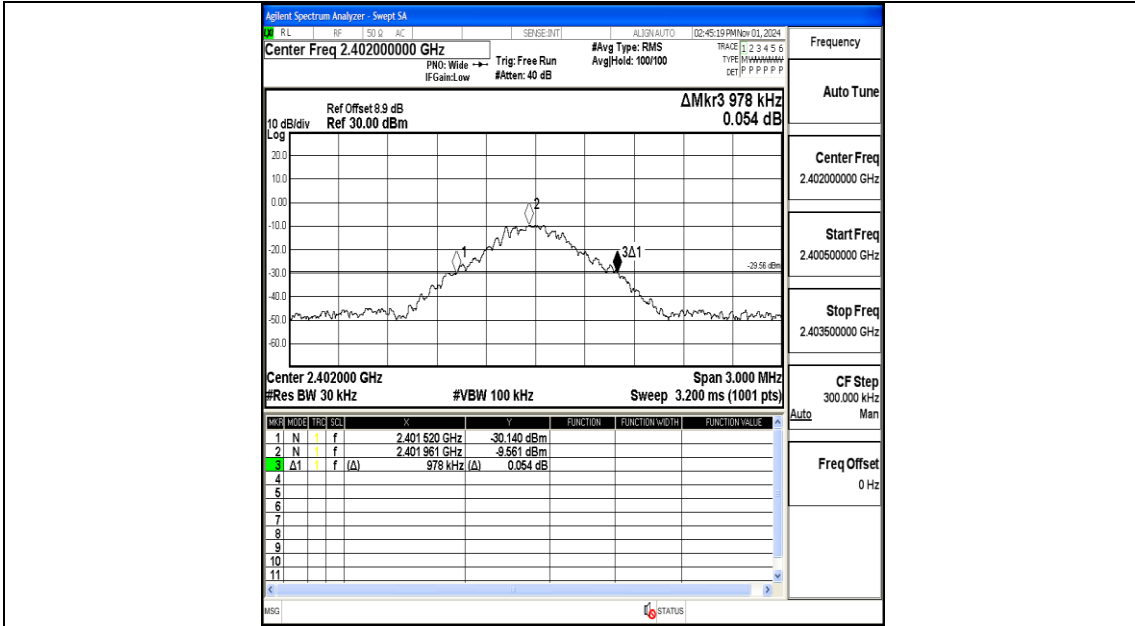
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

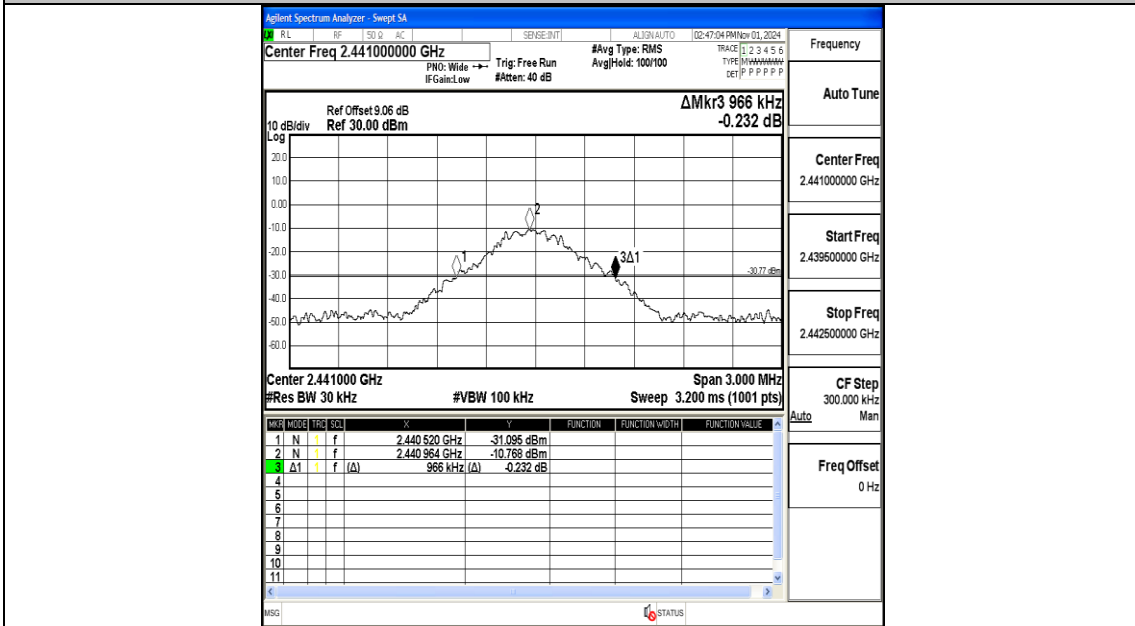
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.978	2401.520	2402.498	---	---
DH5	Ant1	2441	0.966	2440.520	2441.486	---	---
DH5	Ant1	2480	1.035	2479.457	2480.492	---	---
2DH5	Ant1	2402	1.317	2401.328	2402.645	---	---
2DH5	Ant1	2441	1.329	2440.319	2441.648	---	---
2DH5	Ant1	2480	1.311	2479.328	2480.639	---	---
3DH5	Ant1	2402	1.287	2401.349	2402.636	---	---
3DH5	Ant1	2441	1.275	2440.346	2441.621	---	---
3DH5	Ant1	2480	1.260	2479.364	2480.624	---	---

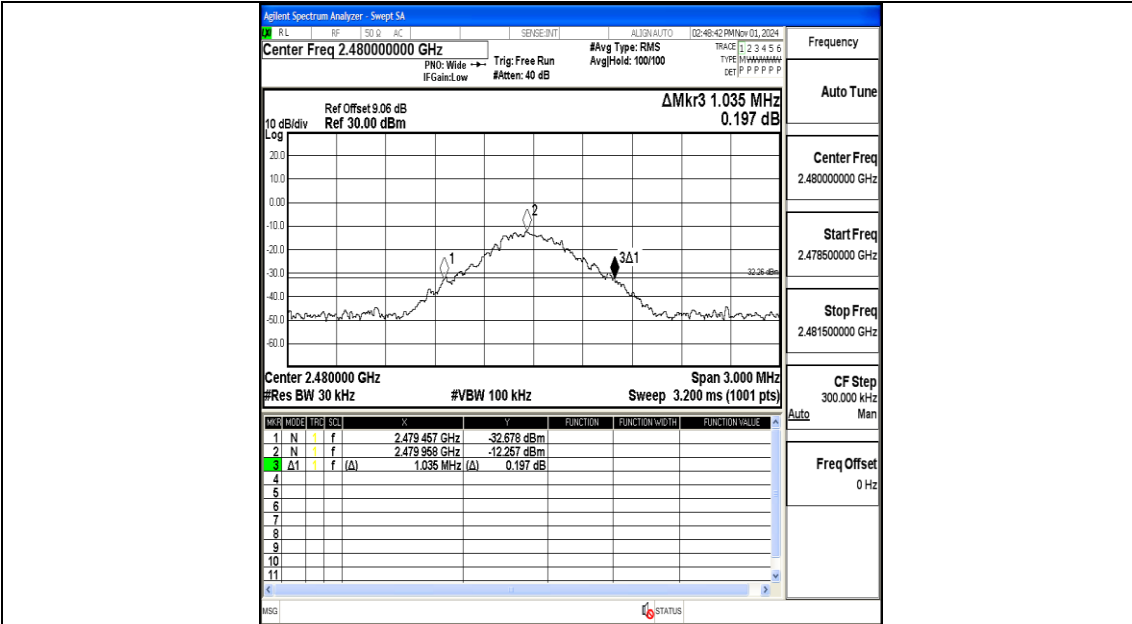
Test Graphs



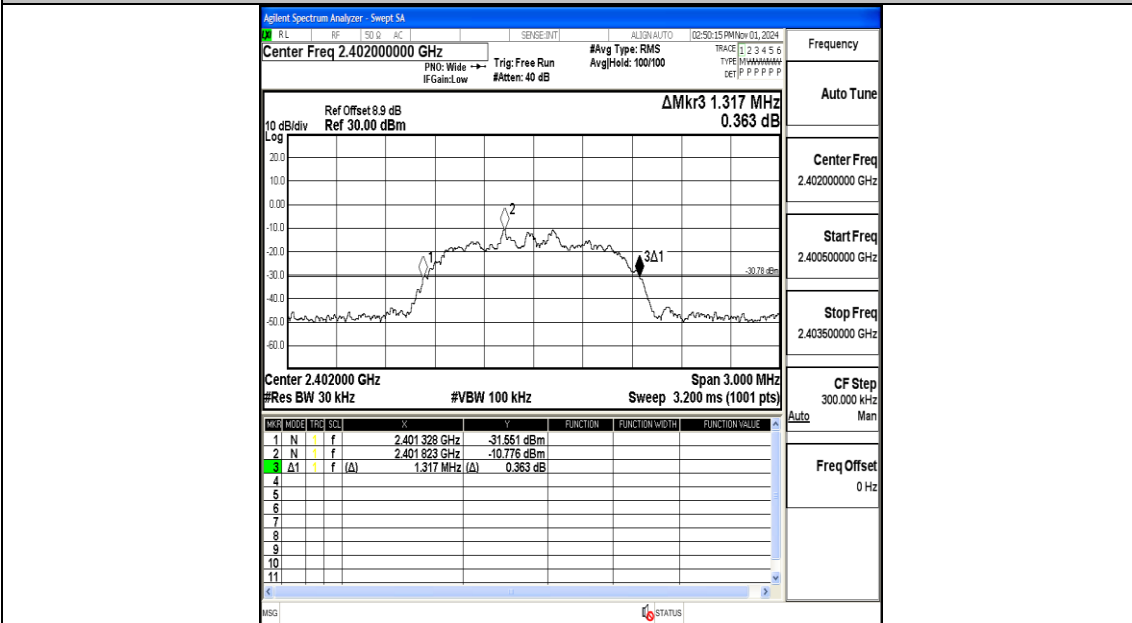
DH5-Ant1-2402



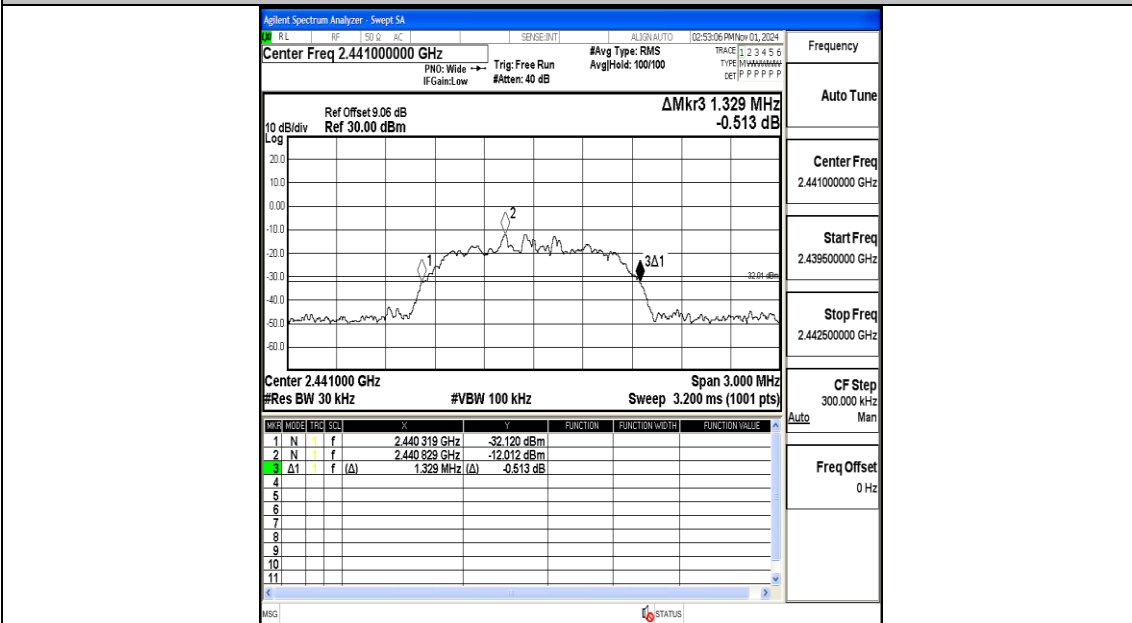
DH5-Ant1-2441



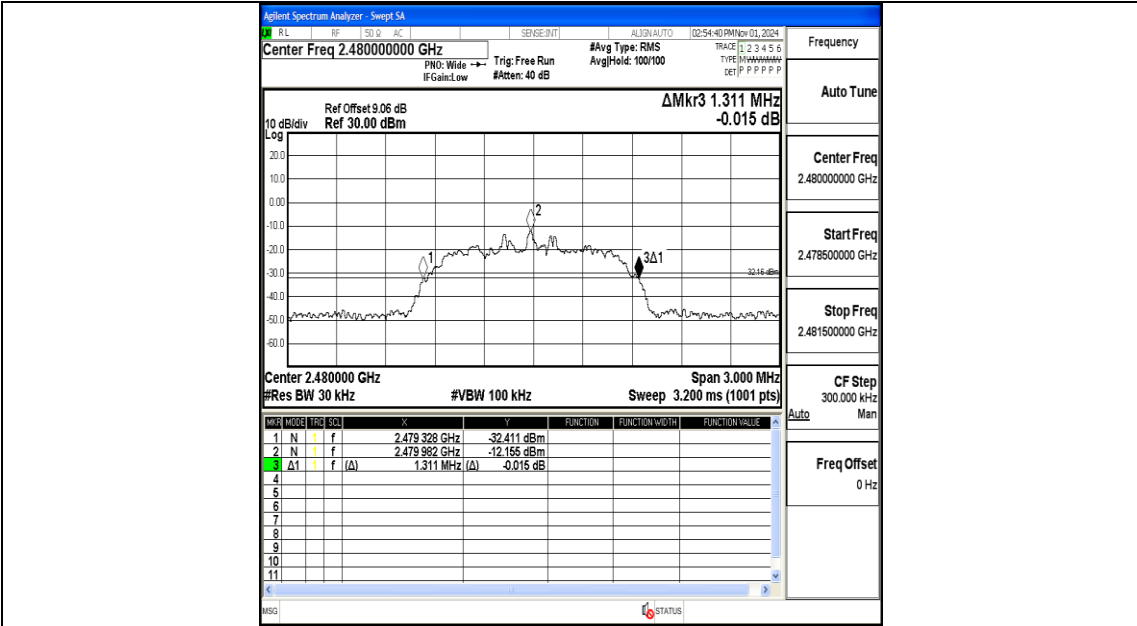
DH5-Ant1-2480



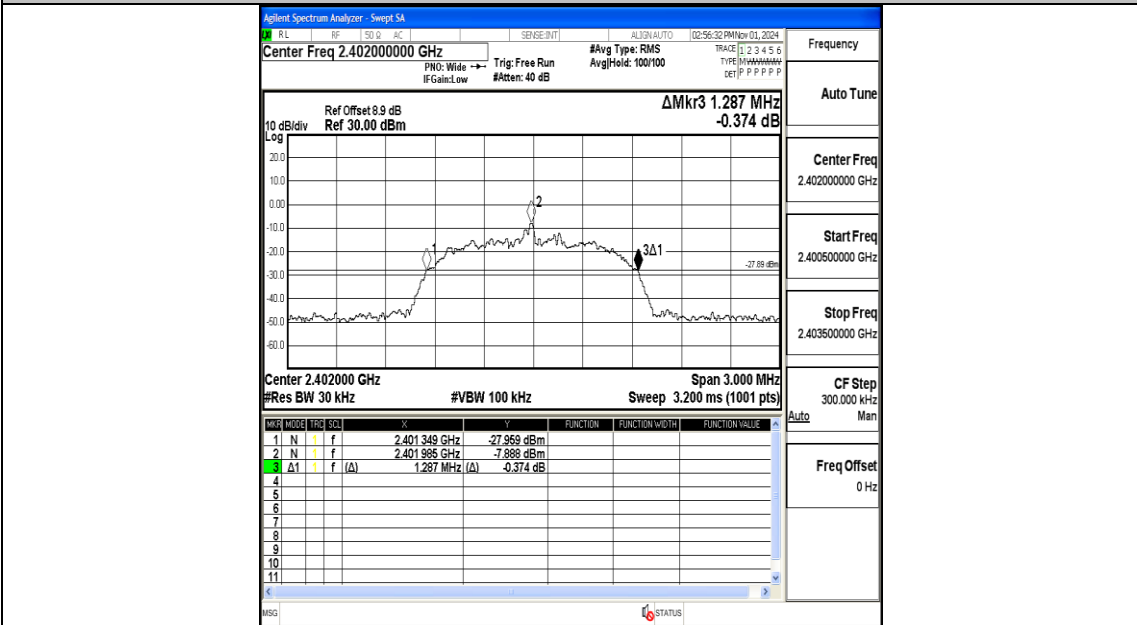
2DH5-Ant1-2402



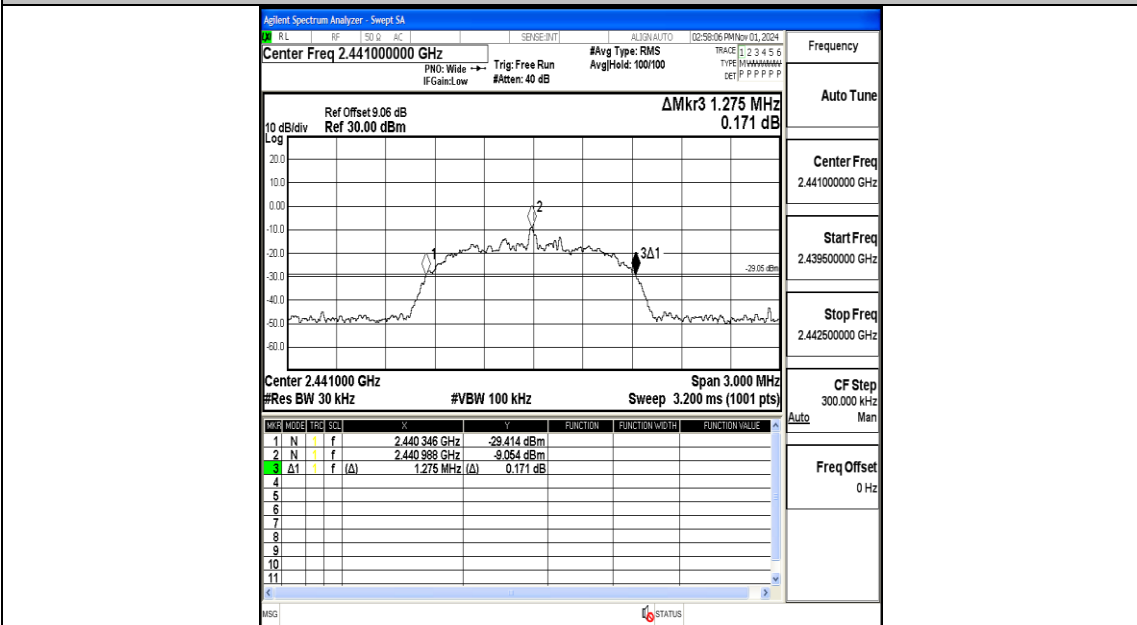
2DH5-Ant1-2441



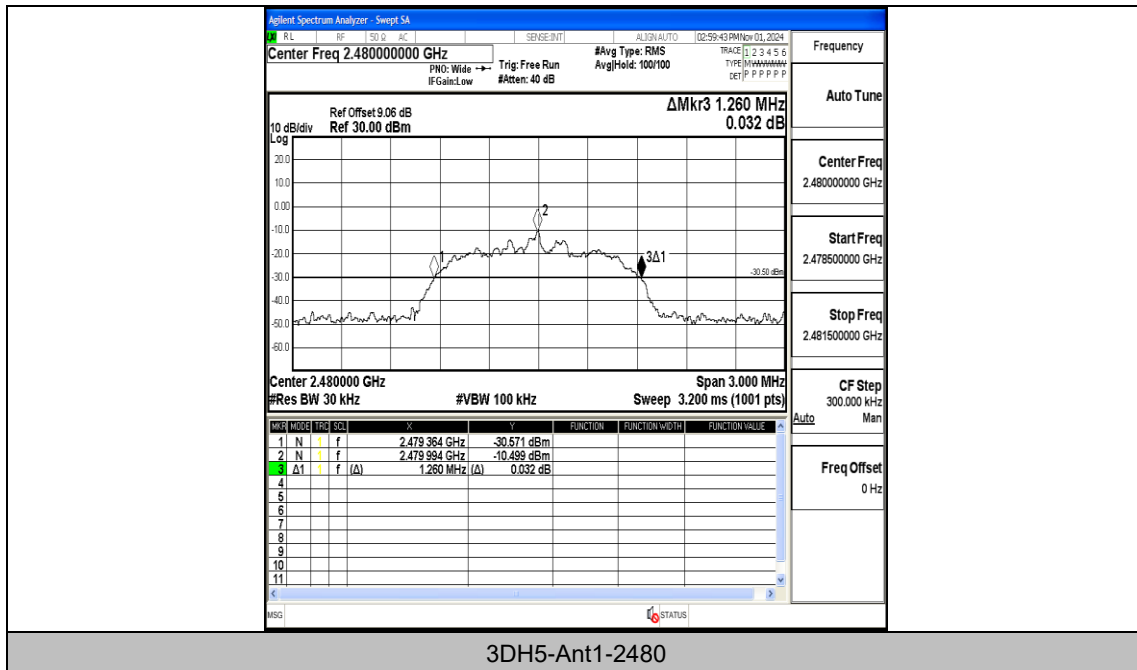
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

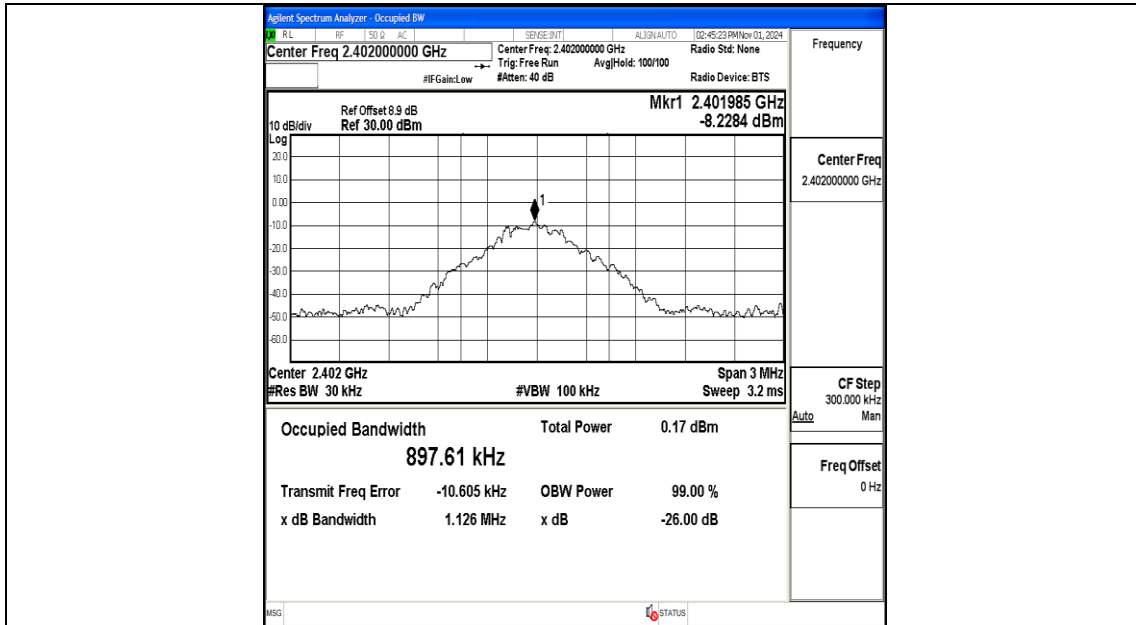


Appendix B: Occupied Channel Bandwidth

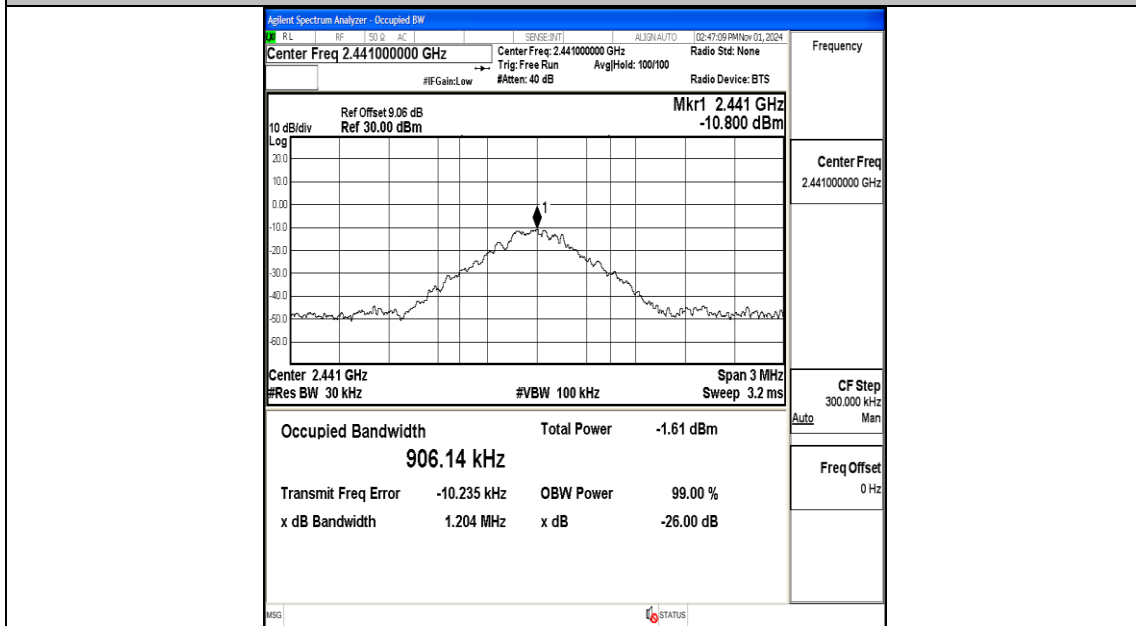
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.89761	2401.5406	2402.4382	---	---
DH5	Ant1	2441	0.90614	2440.5367	2441.4428	---	---
DH5	Ant1	2480	0.91012	2479.5338	2480.4439	---	---
2DH5	Ant1	2402	1.1807	2401.3974	2402.5781	---	---
2DH5	Ant1	2441	1.2017	2440.3878	2441.5895	---	---
2DH5	Ant1	2480	1.1999	2479.3895	2480.5894	---	---
3DH5	Ant1	2402	1.1999	2401.3918	2402.5917	---	---
3DH5	Ant1	2441	1.1893	2440.3963	2441.5856	---	---
3DH5	Ant1	2480	1.1971	2479.3919	2480.5890	---	---

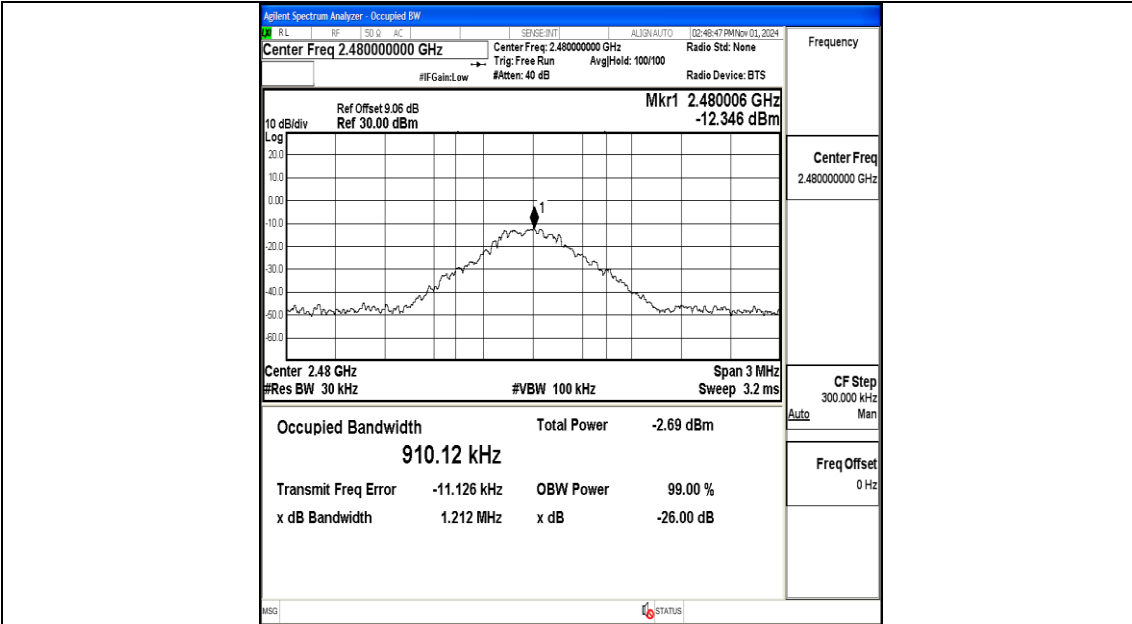
Test Graphs



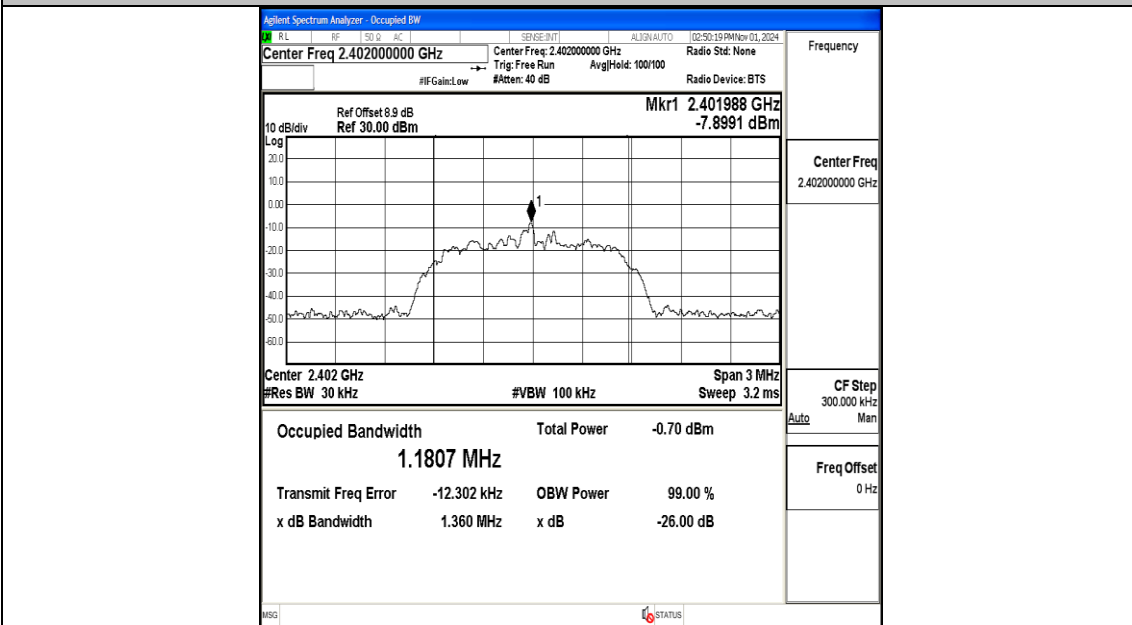
DH5-Ant1-2402



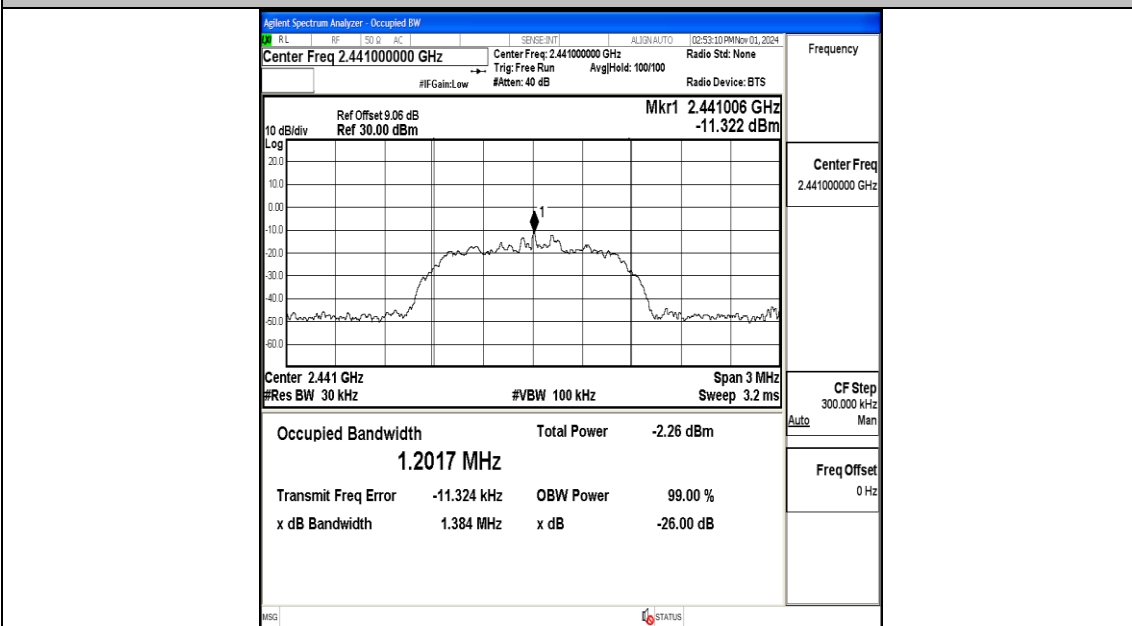
DH5-Ant1-2441



DH5-Ant1-2480



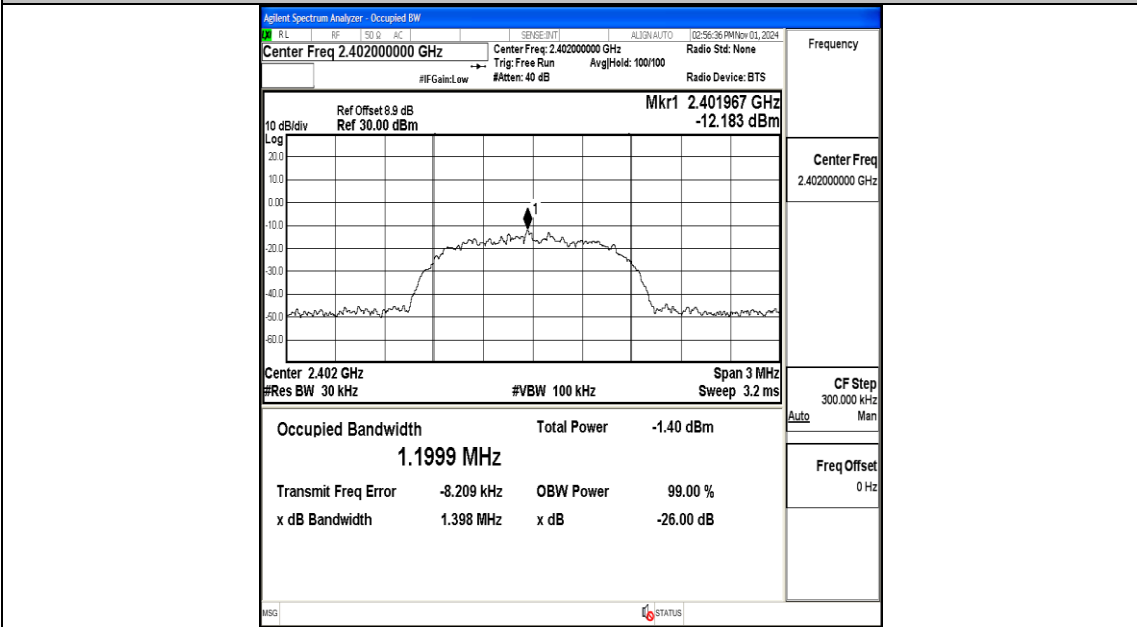
2DH5-Ant1-2402



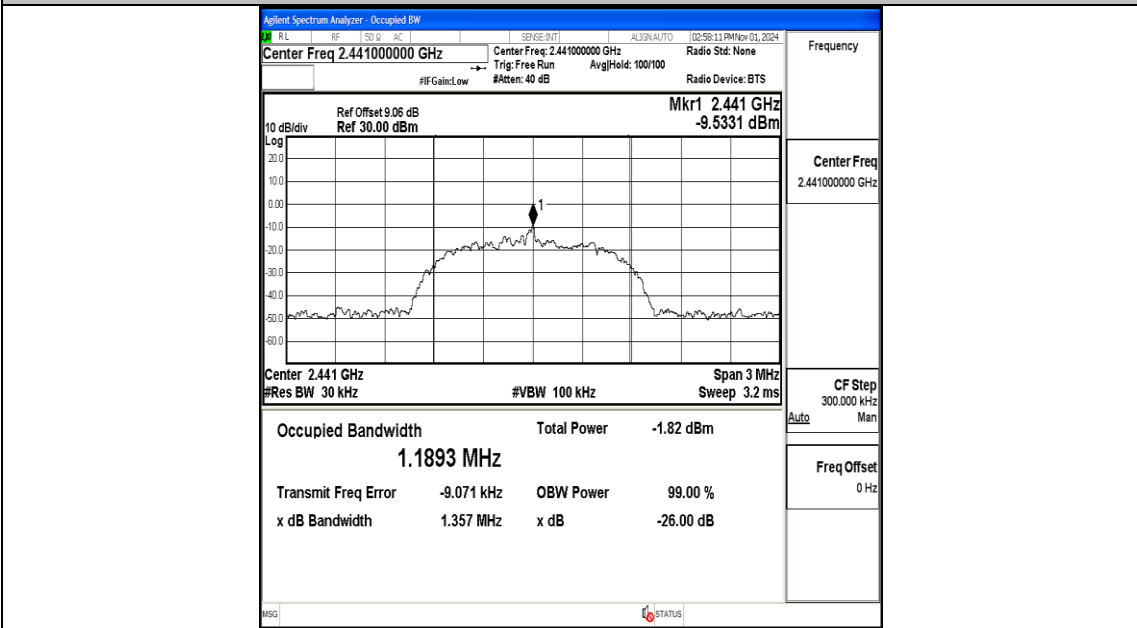
2DH5-Ant1-2441



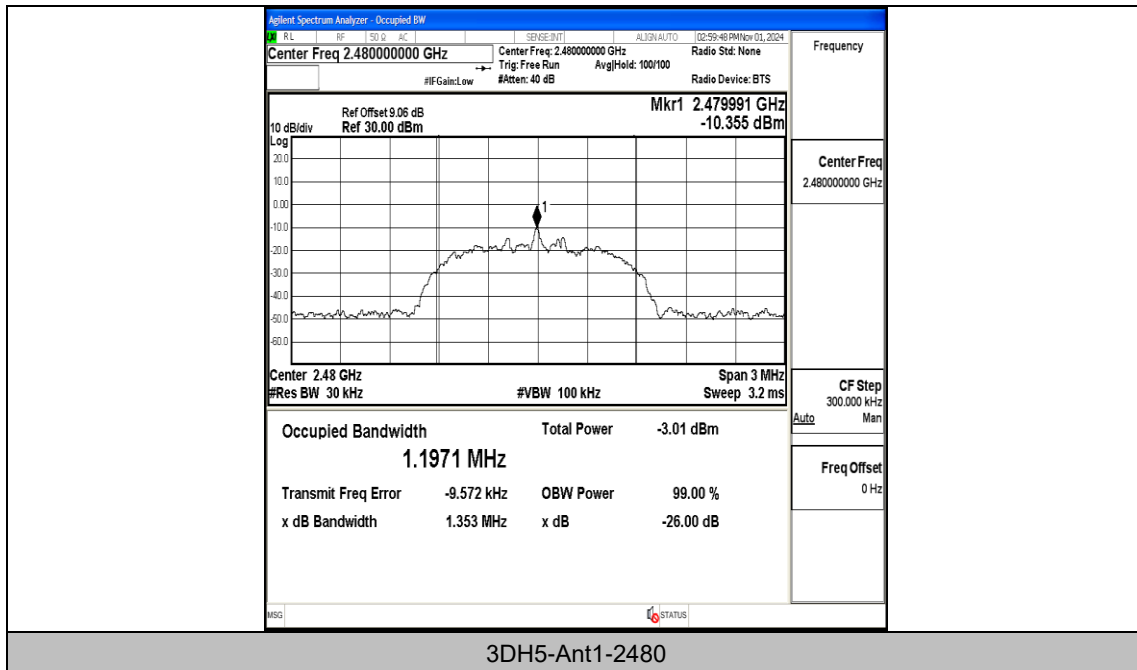
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

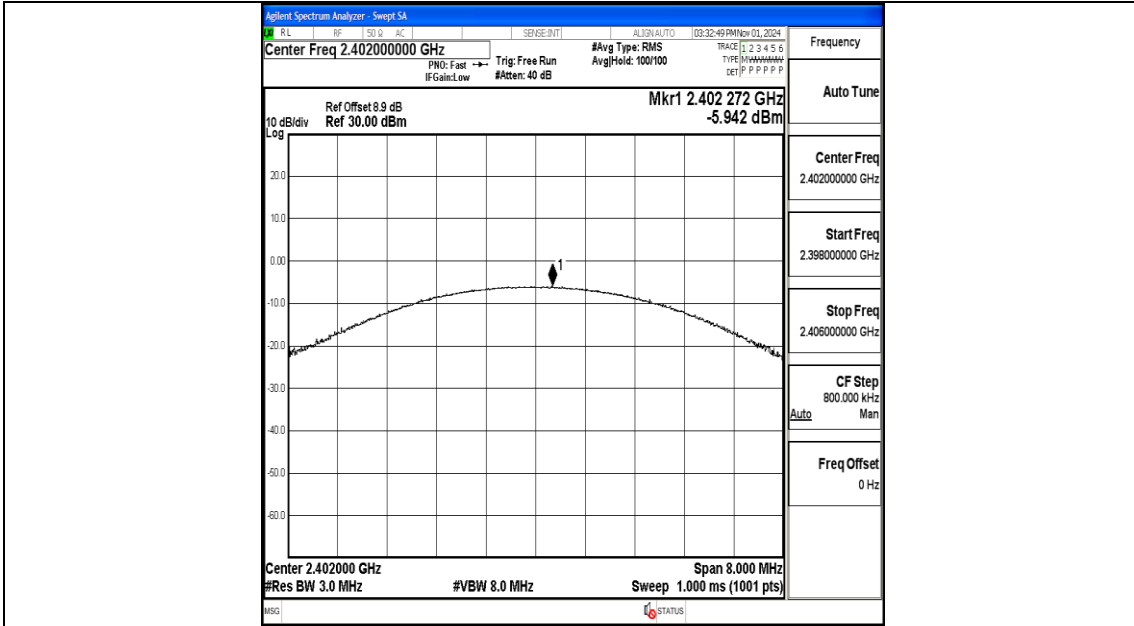


Appendix C: Maximum peak conducted output power

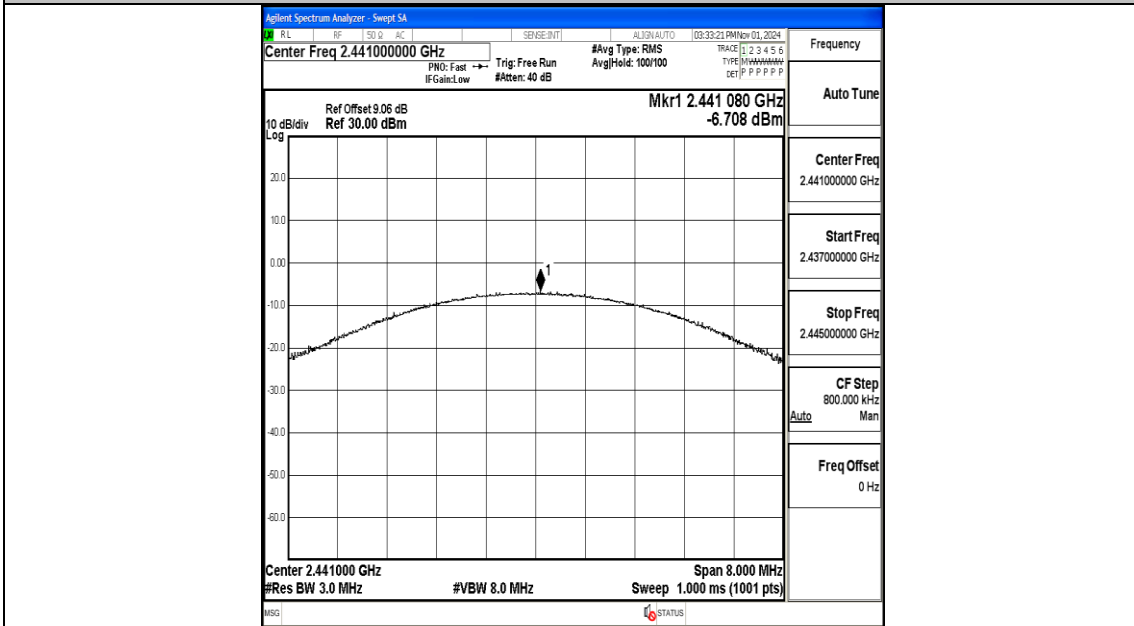
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-5.94	≤30	PASS
DH5	Ant1	2441	-6.71	≤30	PASS
DH5	Ant1	2480	-8.54	≤30	PASS
2DH5	Ant1	2402	-5.46	≤20.97	PASS
2DH5	Ant1	2441	-6.72	≤20.97	PASS
2DH5	Ant1	2480	-8.09	≤20.97	PASS
3DH5	Ant1	2402	-5.03	≤30	PASS
3DH5	Ant1	2441	-6.30	≤30	PASS
3DH5	Ant1	2480	-7.49	≤30	PASS

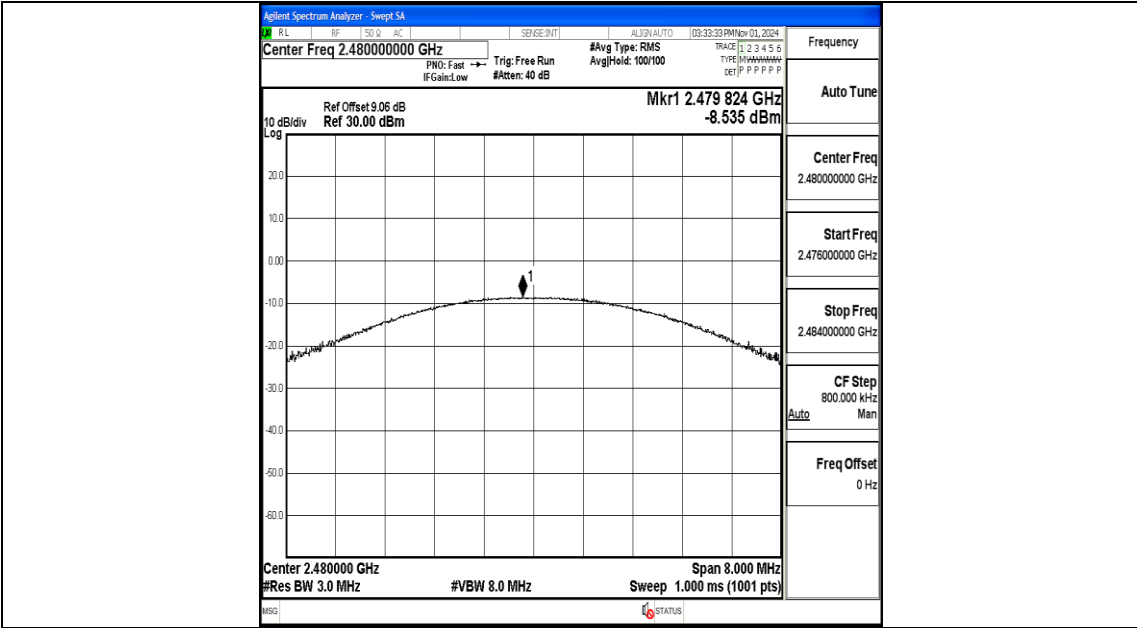
Test Graphs



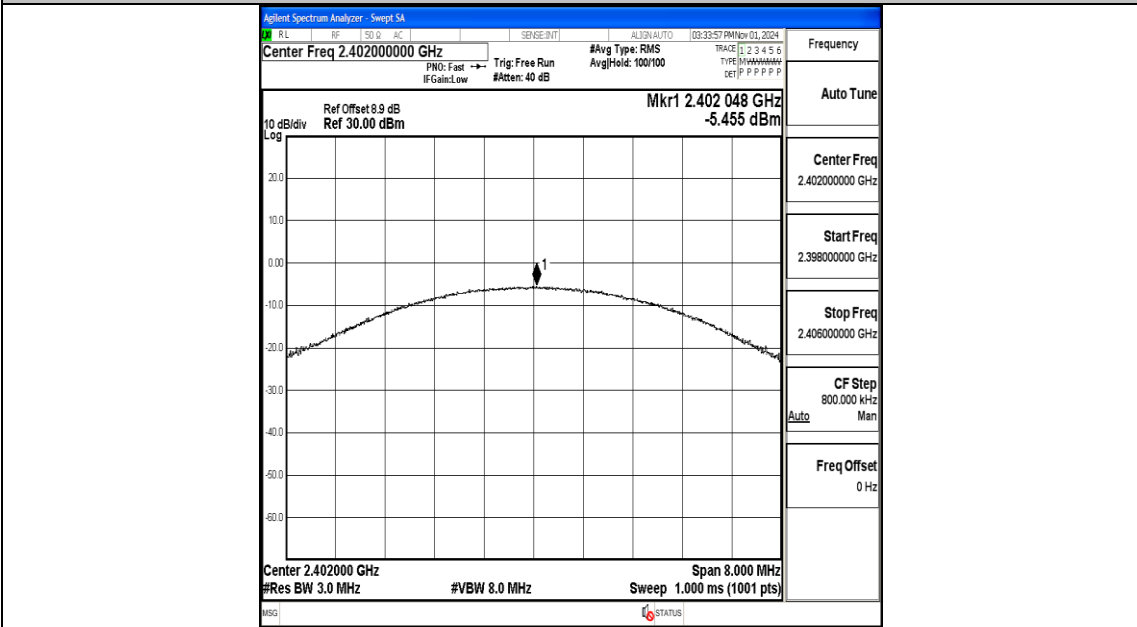
DH5-Ant1-2402-PASS



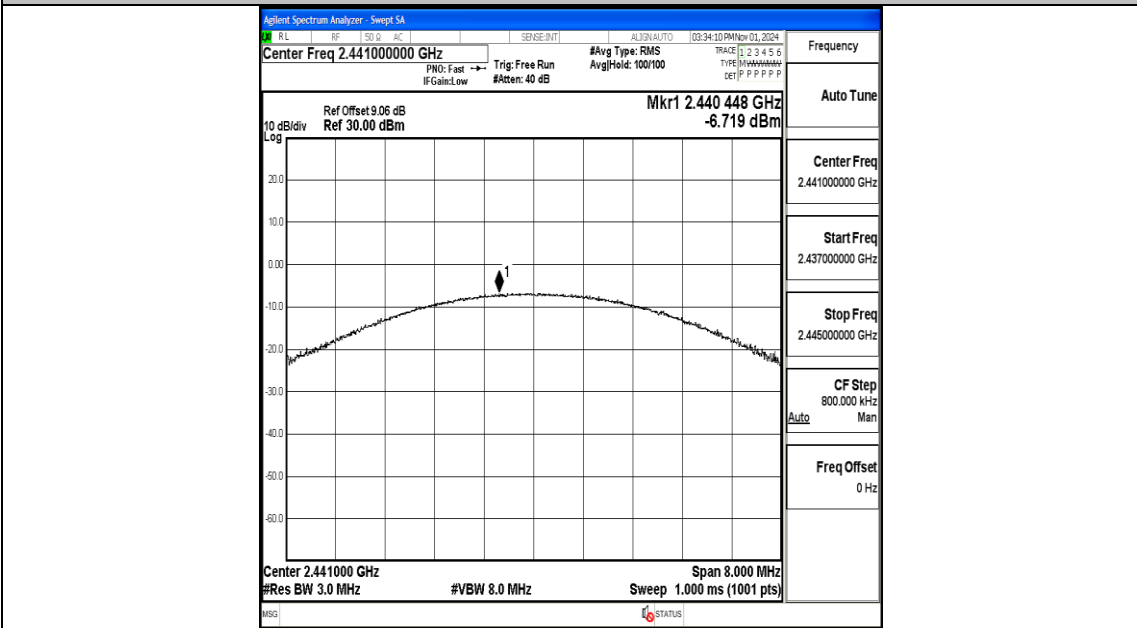
DH5-Ant1-2441-PASS



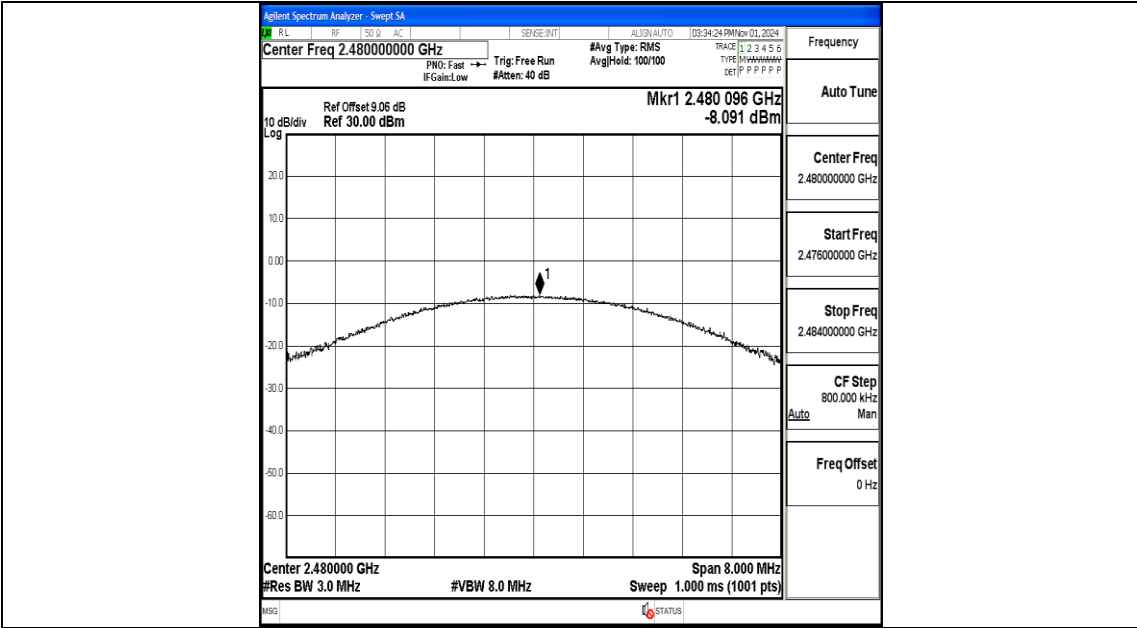
DH5-Ant1-2480-PASS



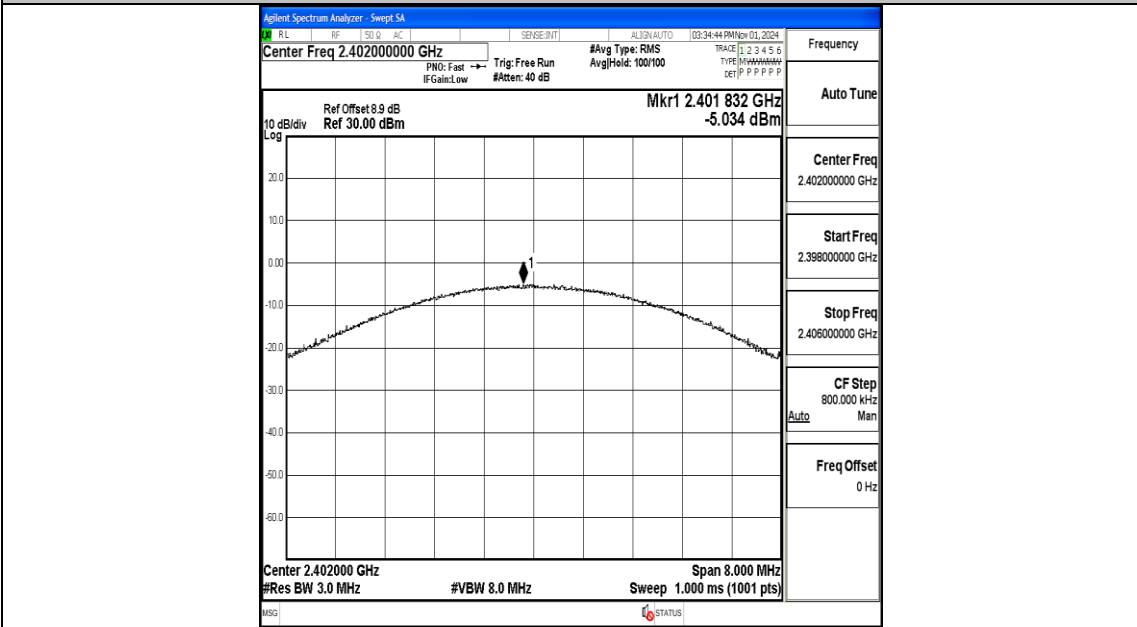
2DH5-Ant1-2402-PASS



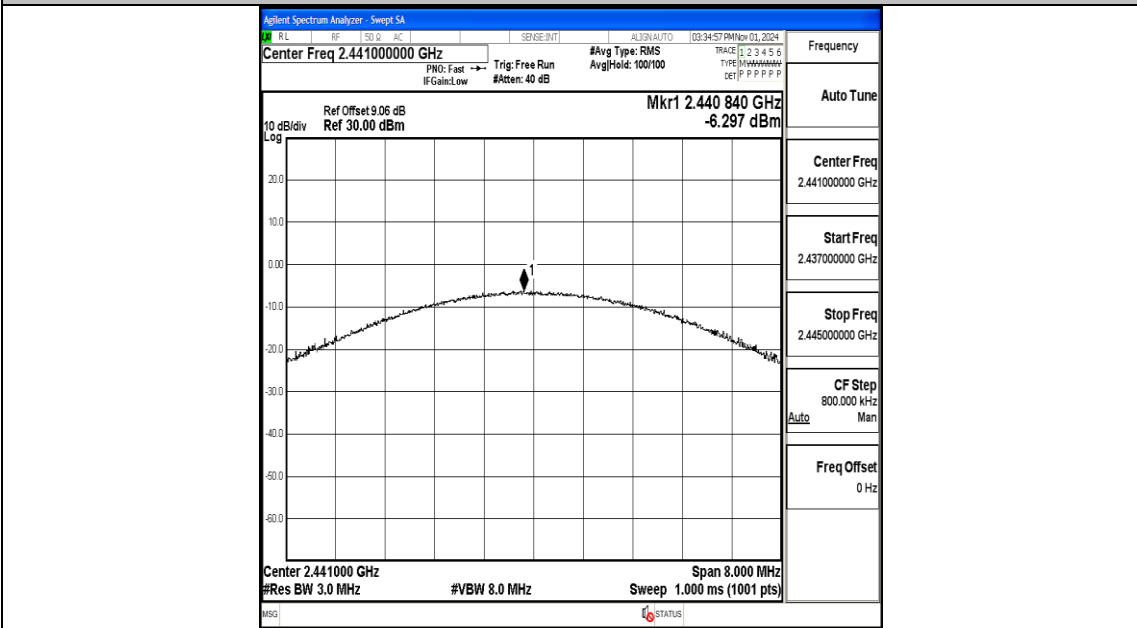
2DH5-Ant1-2441-PASS



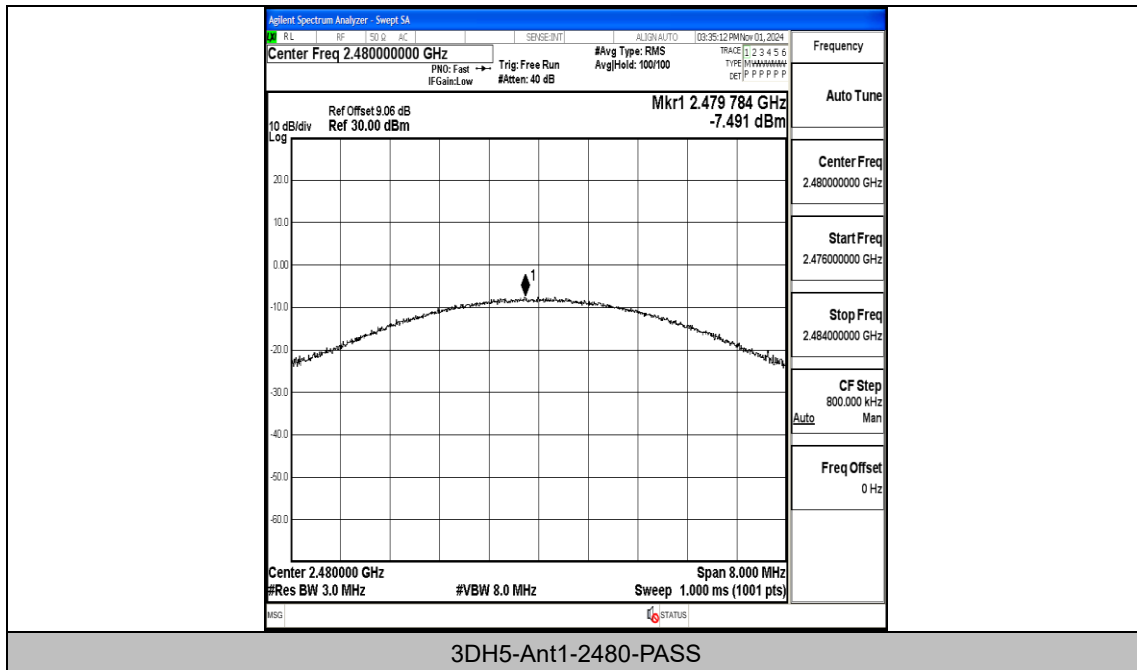
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

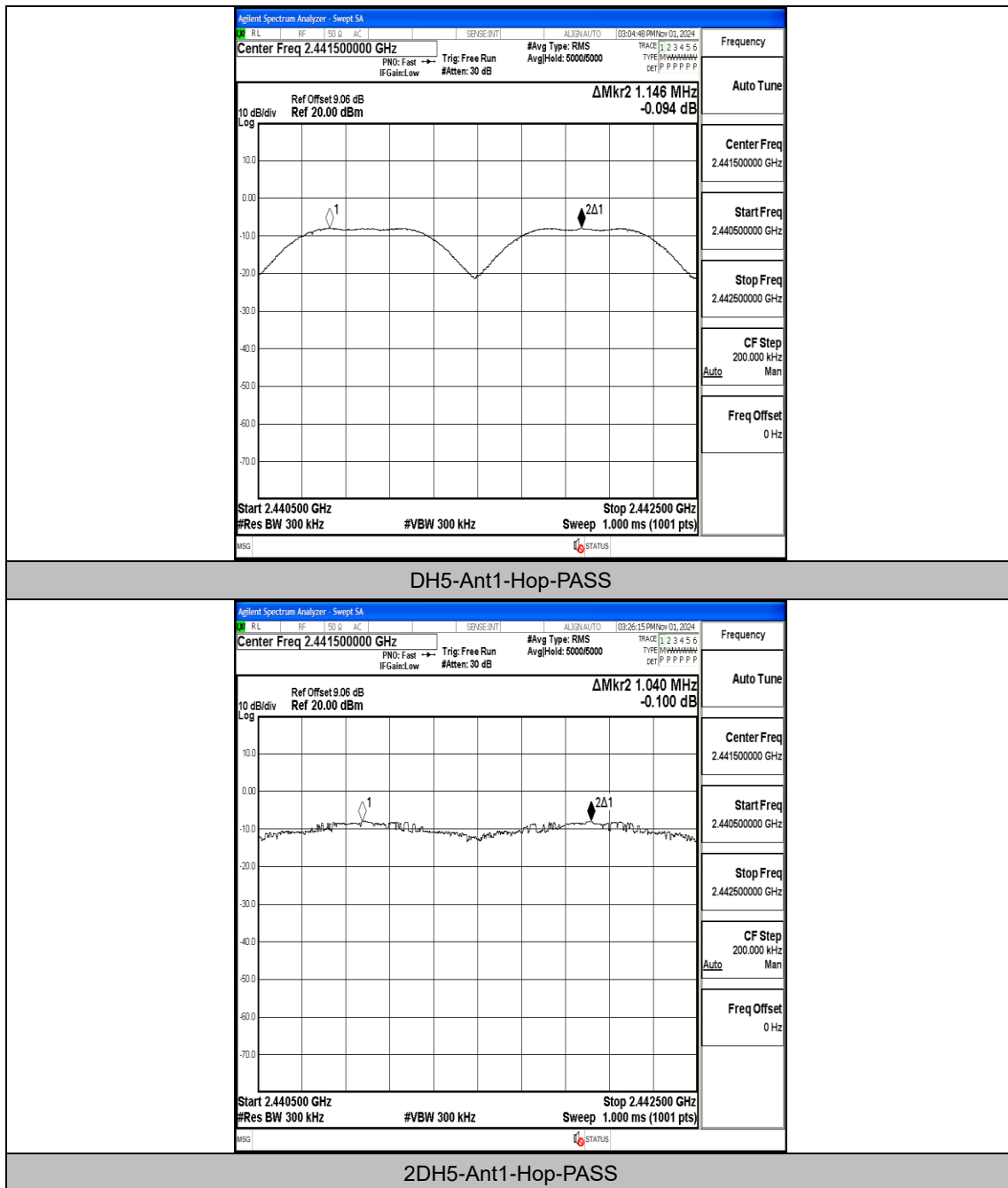


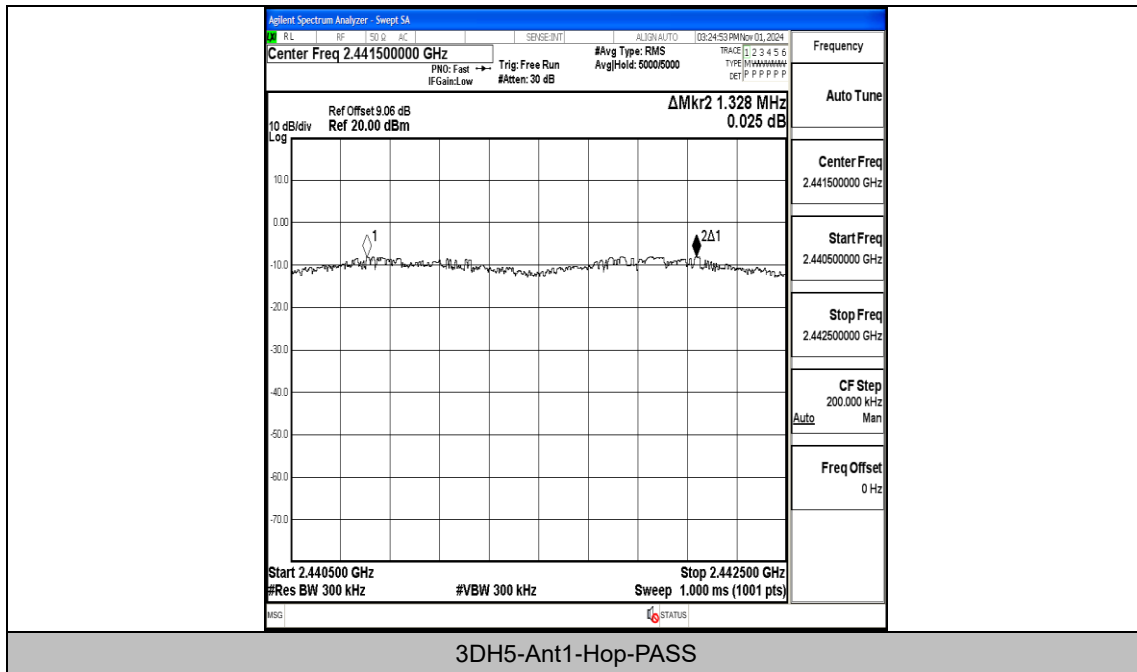
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.146	≥ 1.035	PASS
2DH5	Ant1	Hop	1.04	≥ 0.886	PASS
3DH5	Ant1	Hop	1.328	≥ 1.287	PASS

Test Graphs



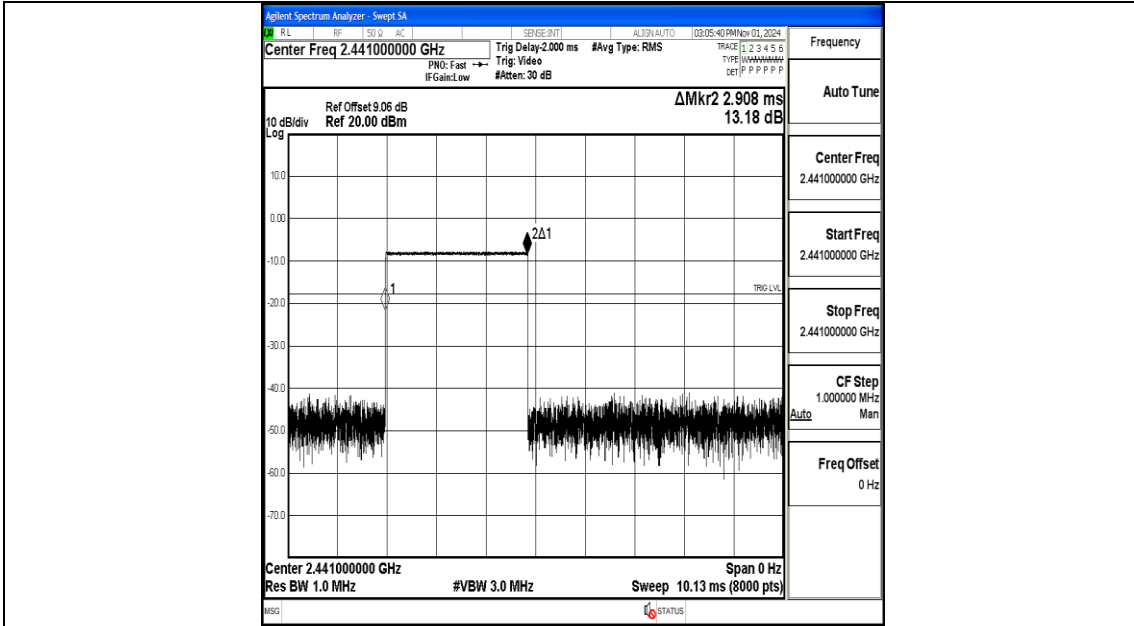


Appendix E: Time of occupancy

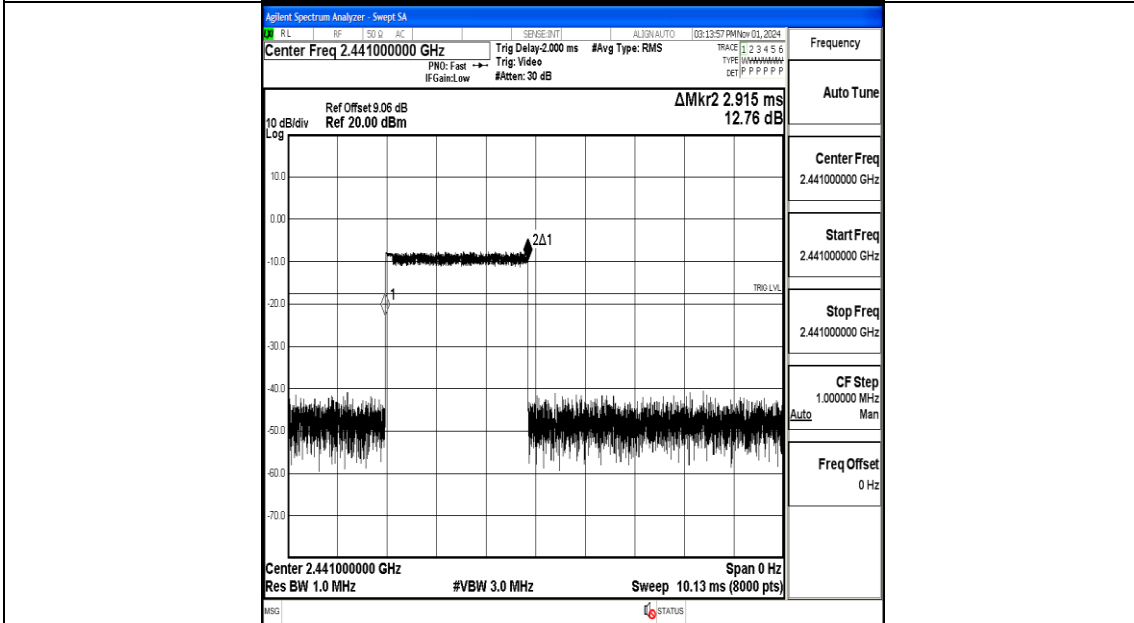
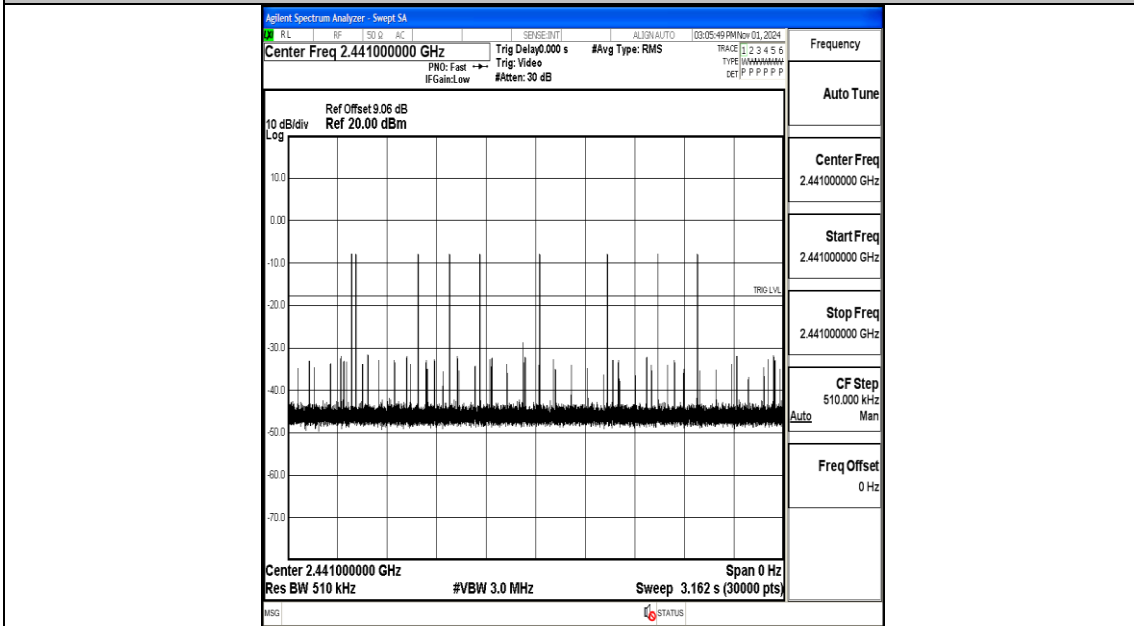
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.908	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.915	40	0.117	≤0.4	PASS
3DH5	Ant1	Hop	2.918	110	0.321	≤0.4	PASS

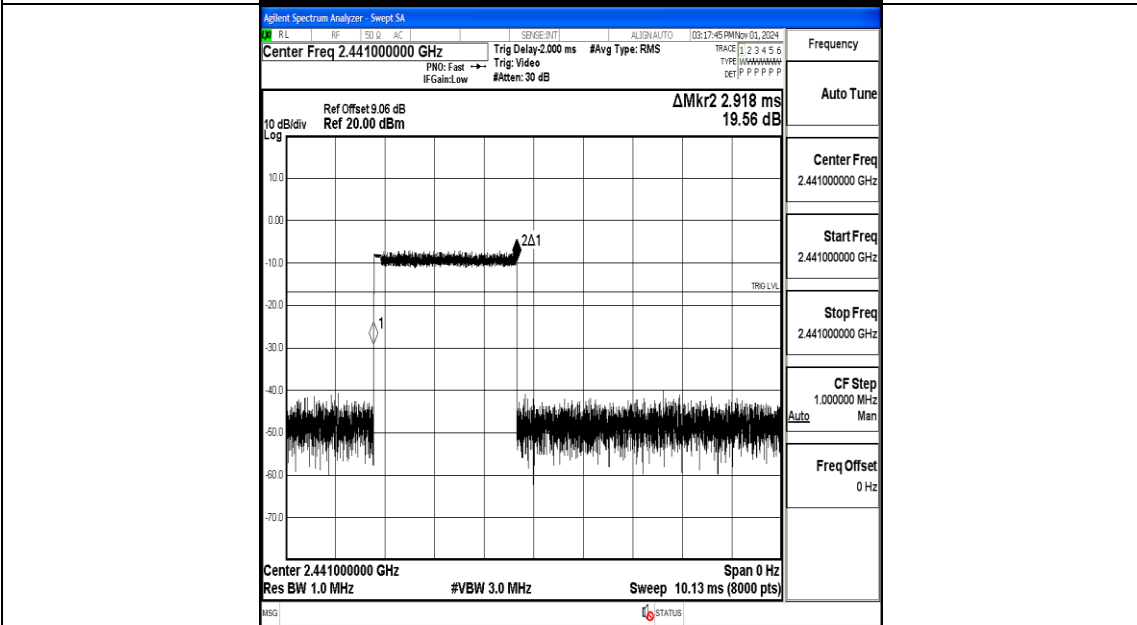
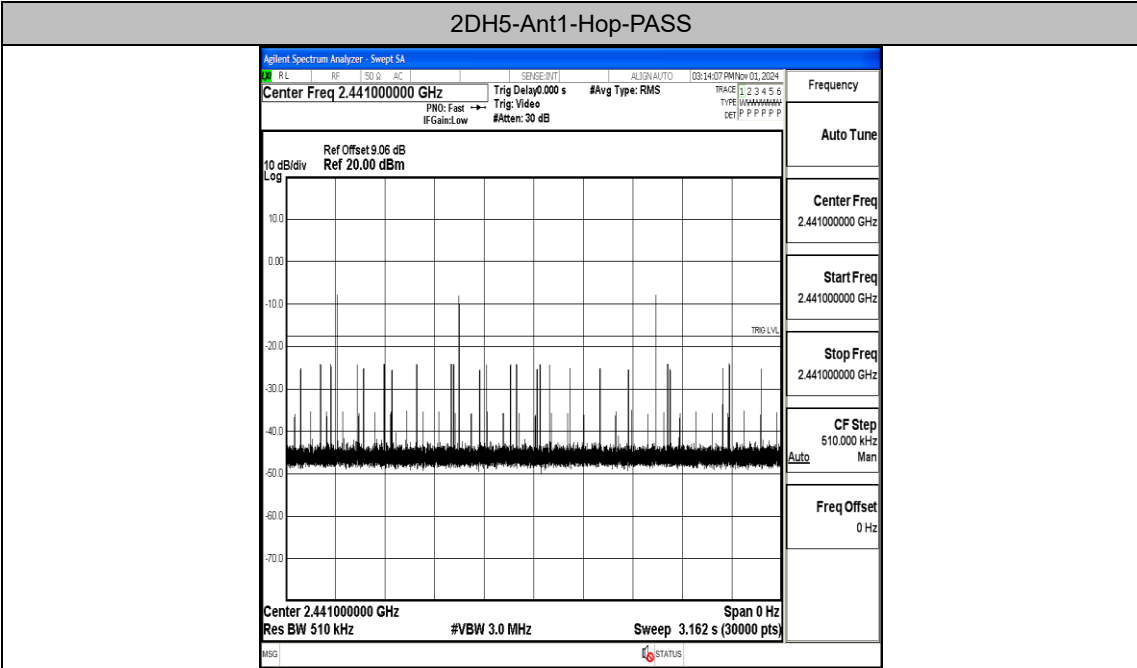
Test Graphs



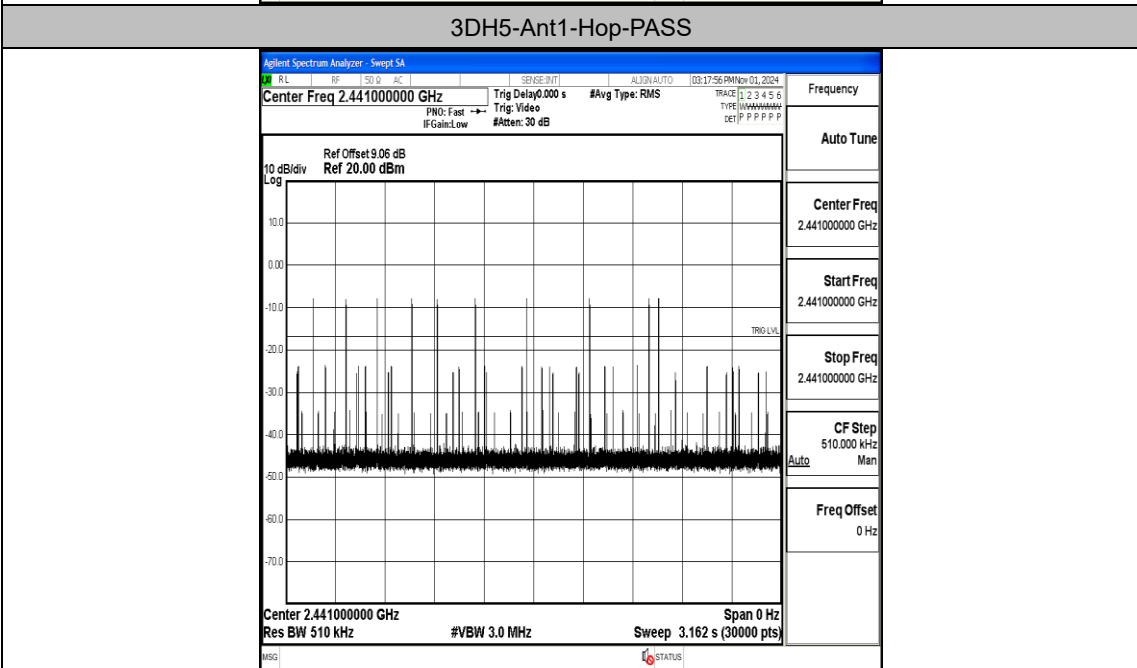
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

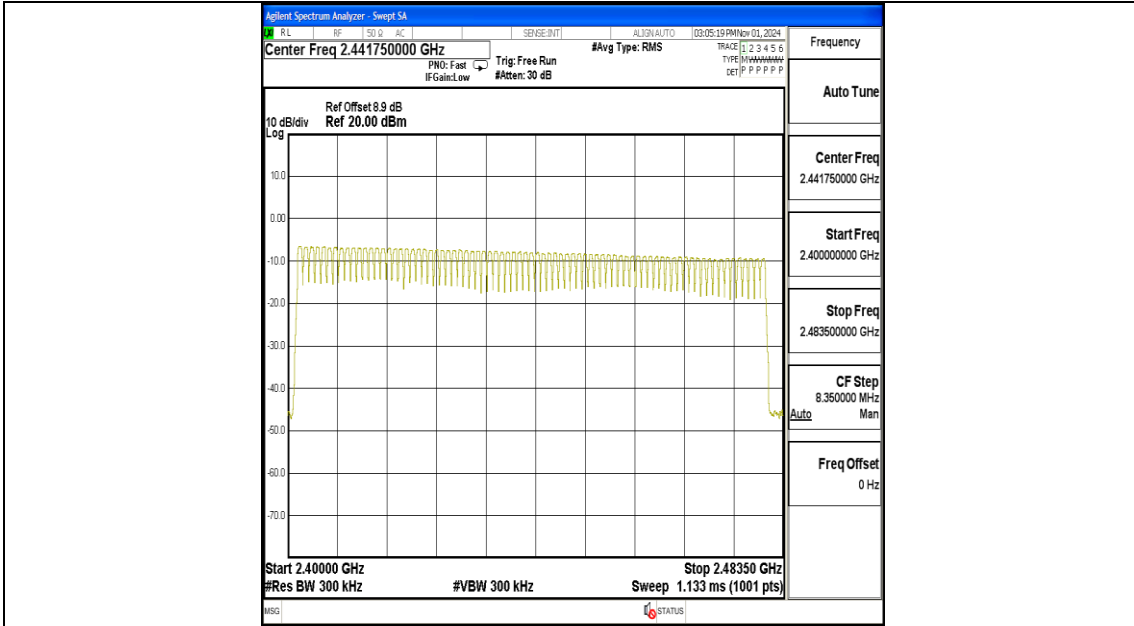


Appendix F: Number of hopping channels

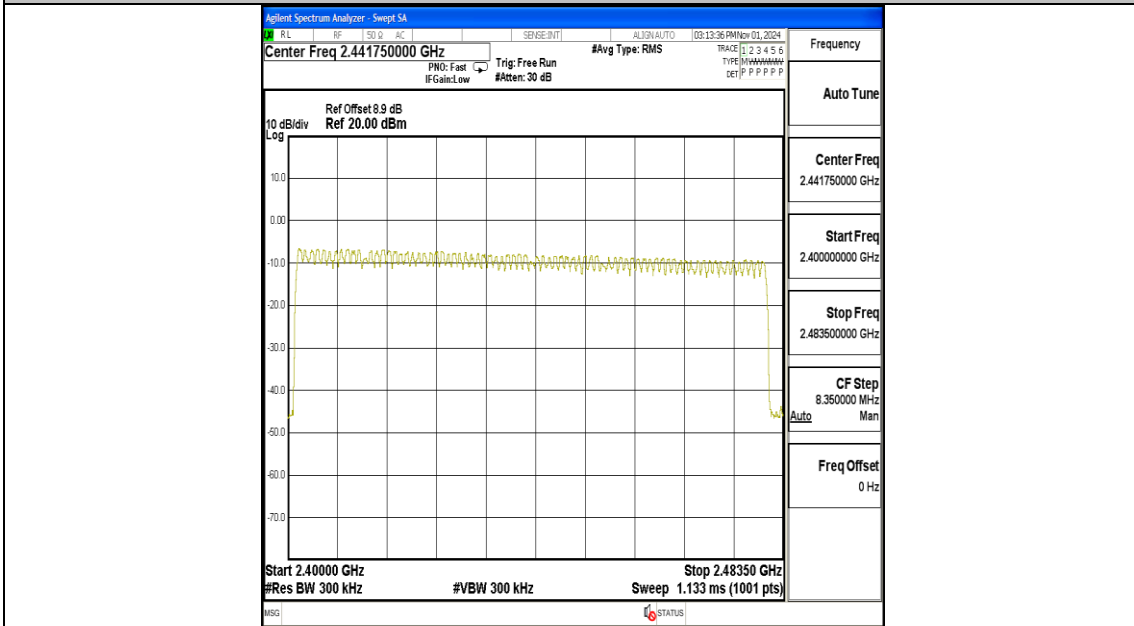
Test Result

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

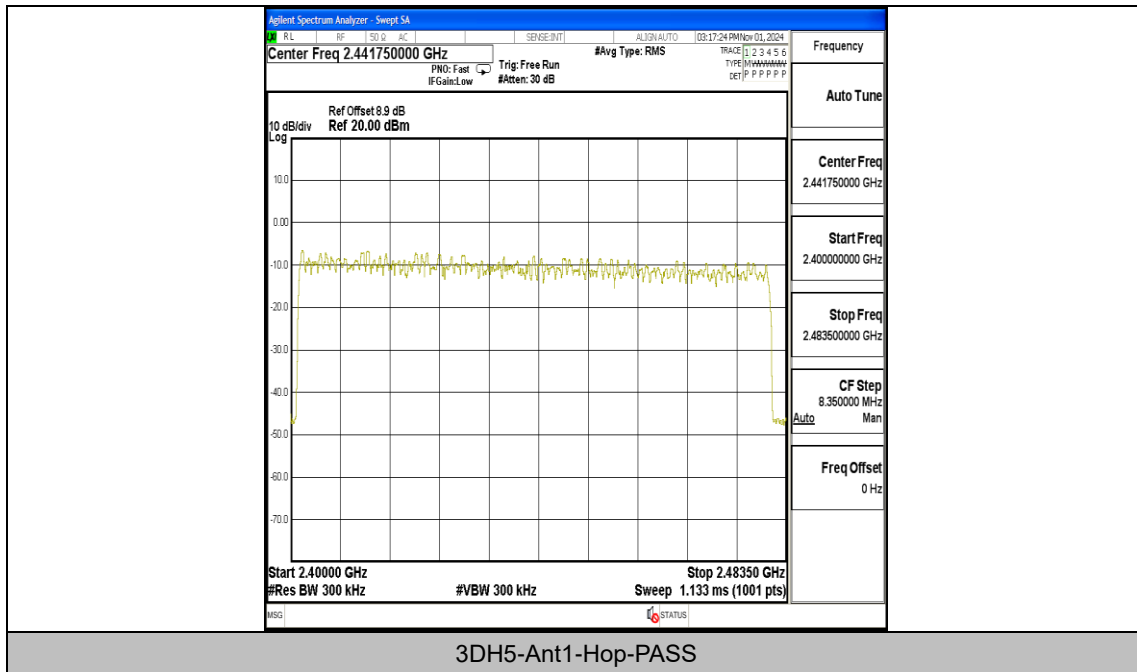
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS

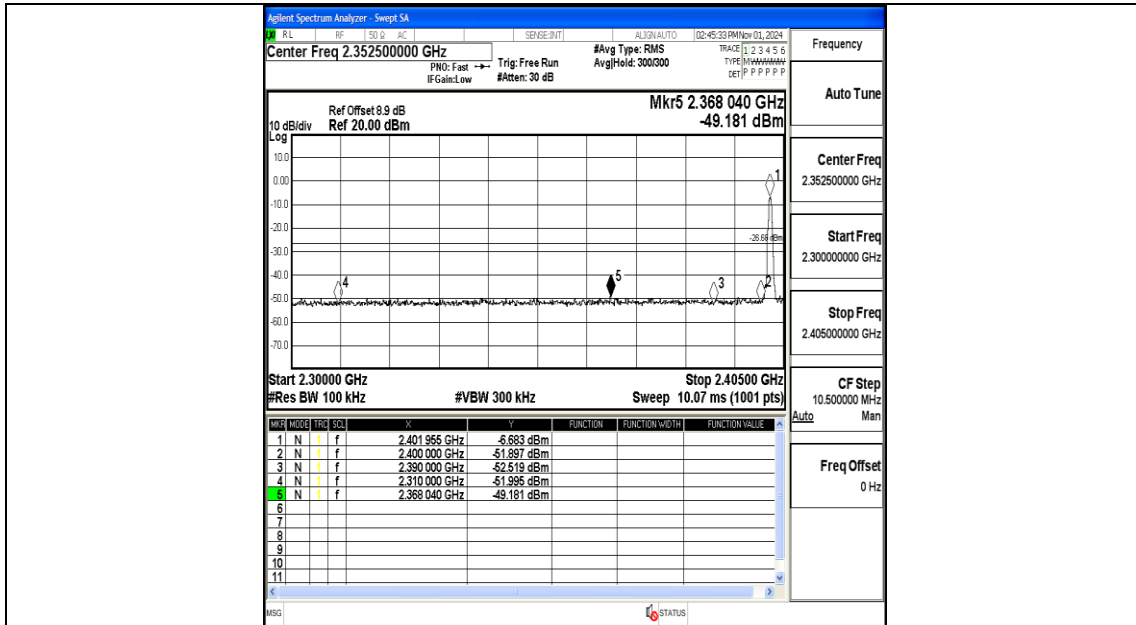


Appendix G: Band edge measurements

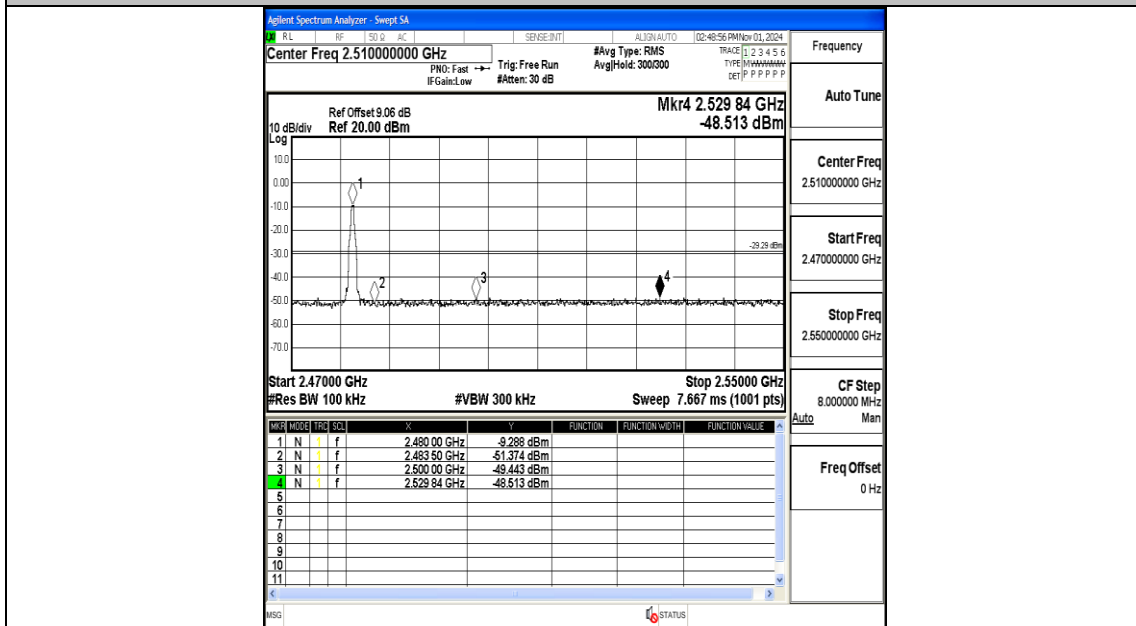
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-6.68	-49.18	≤-26.68	PASS
DH5	Ant1	High	2480	-9.29	-48.51	≤-29.29	PASS
DH5	Ant1	Low	Hop_2402	-7.09	-49.38	≤-27.09	PASS
DH5	Ant1	High	Hop_2480	-9.99	-47.74	≤-29.99	PASS
2DH5	Ant1	Low	2402	-7.54	-49.28	≤-27.54	PASS
2DH5	Ant1	High	2480	-9.93	-47.89	≤-29.93	PASS
2DH5	Ant1	Low	Hop_2402	-10.15	-48.97	≤-30.15	PASS
2DH5	Ant1	High	Hop_2480	-10.08	-47.9	≤-30.08	PASS
3DH5	Ant1	Low	2402	-7.79	-48.95	≤-27.79	PASS
3DH5	Ant1	High	2480	-9.62	-48.12	≤-29.62	PASS
3DH5	Ant1	Low	Hop_2402	-11.08	-49.42	≤-31.08	PASS
3DH5	Ant1	High	Hop_2480	-10.36	-48.28	≤-30.36	PASS

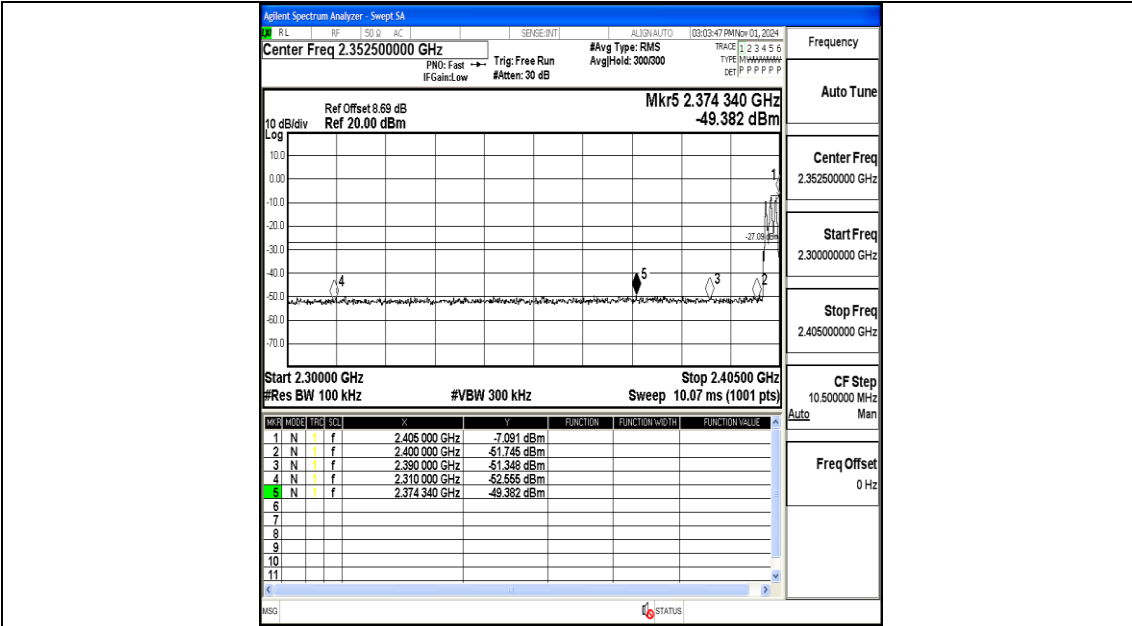
Test Graphs



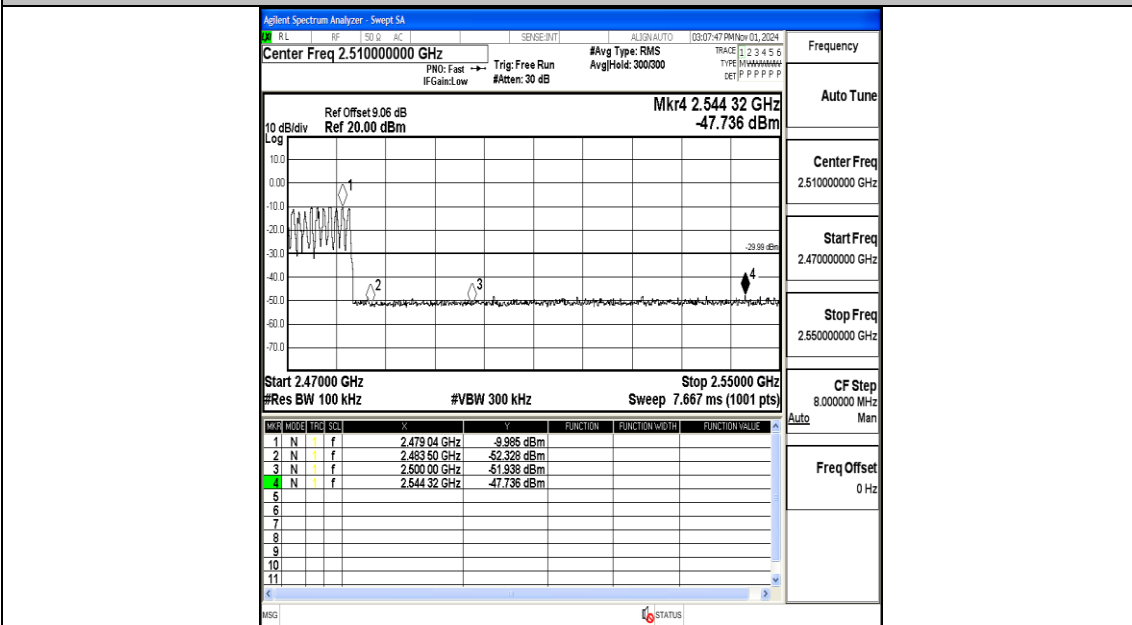
DH5-Ant1-2402-PASS



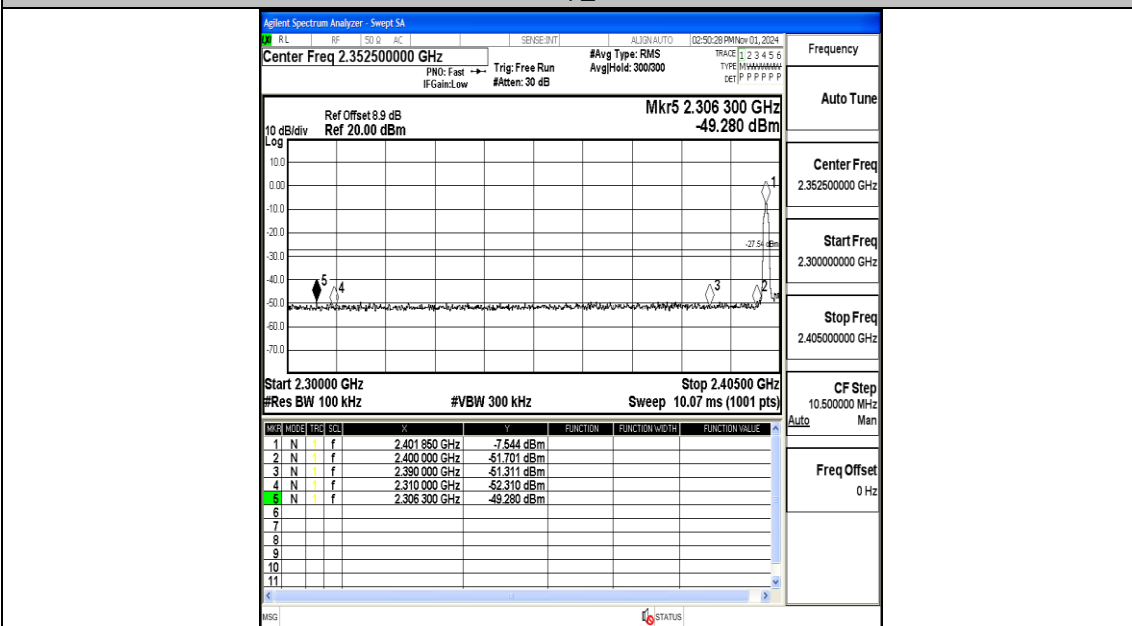
DH5-Ant1-2480-PASS



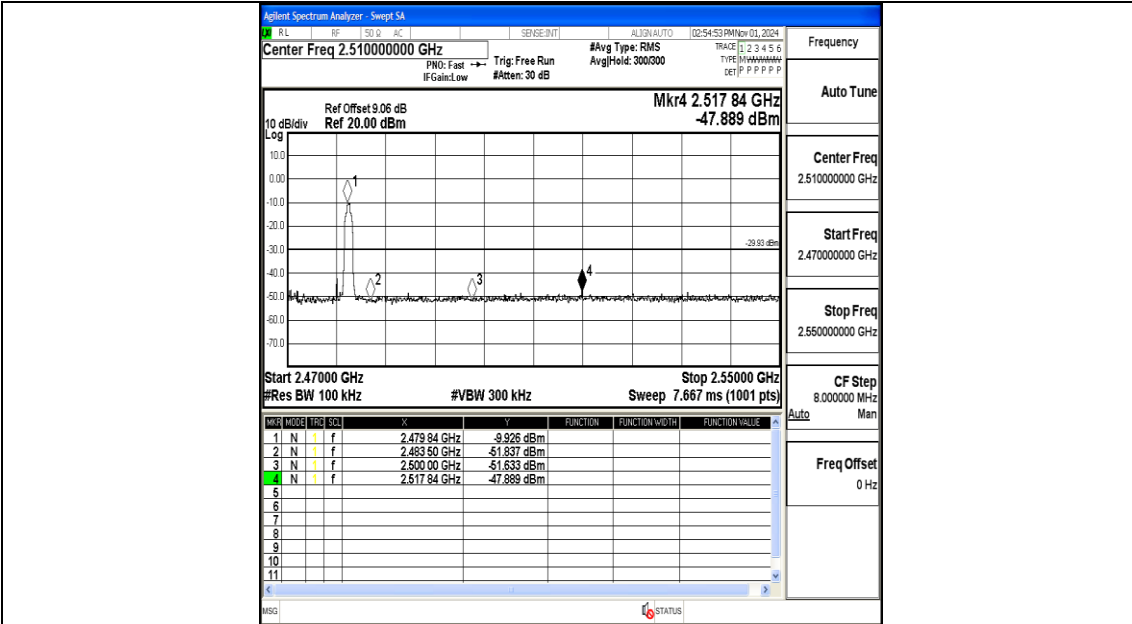
DH5-Ant1-Hop_2402-PASS



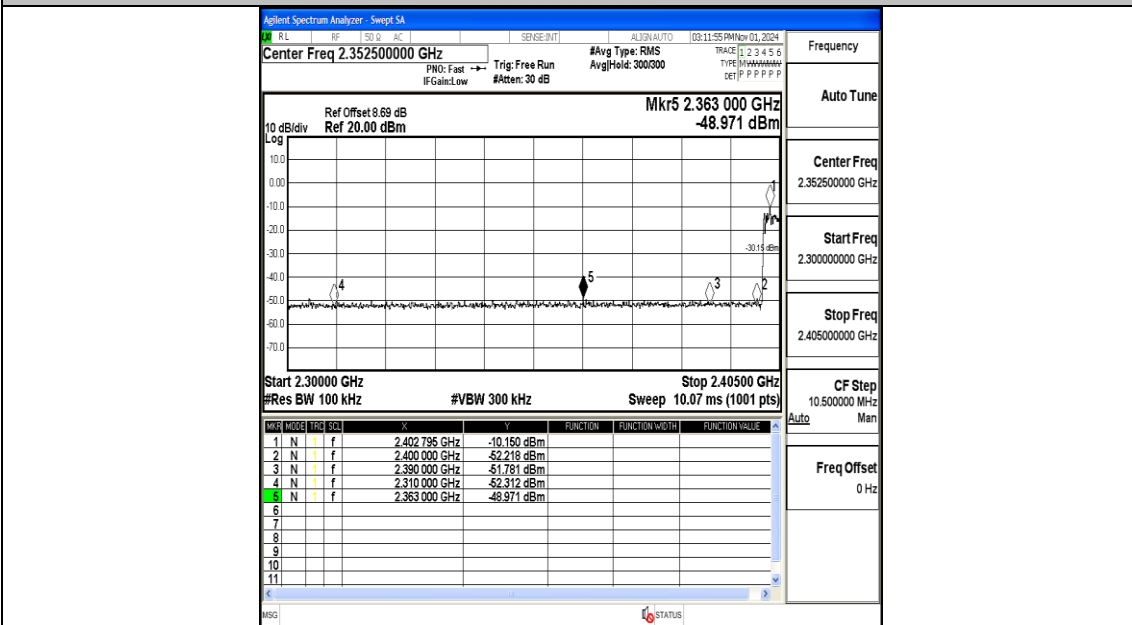
DH5-Ant1-Hop_2480-PASS



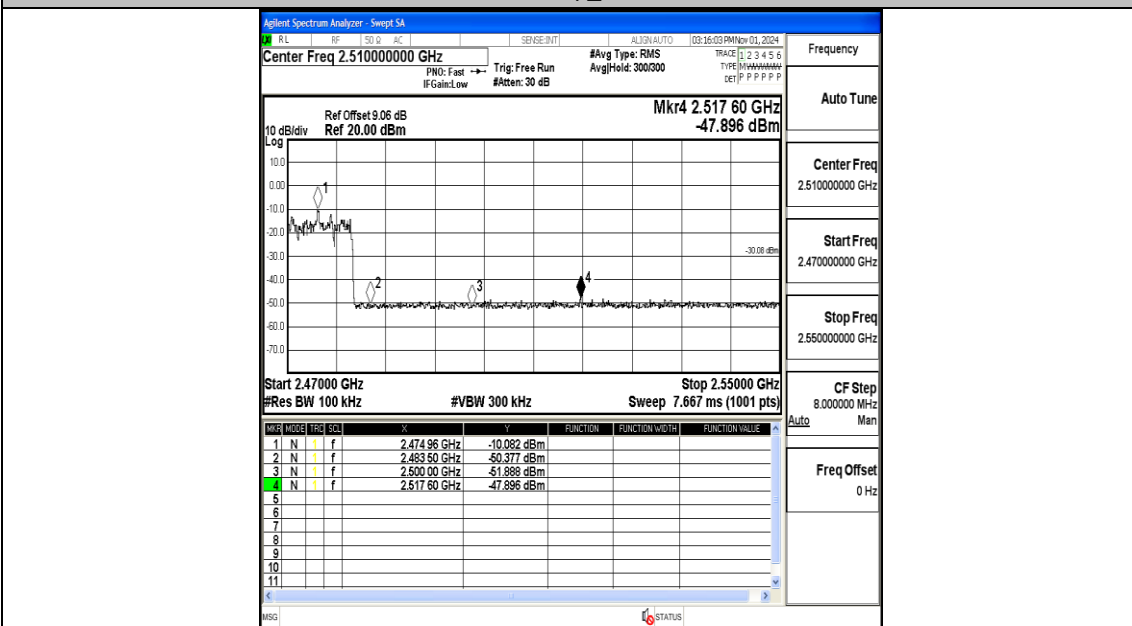
2DH5-Ant1-2402-PASS



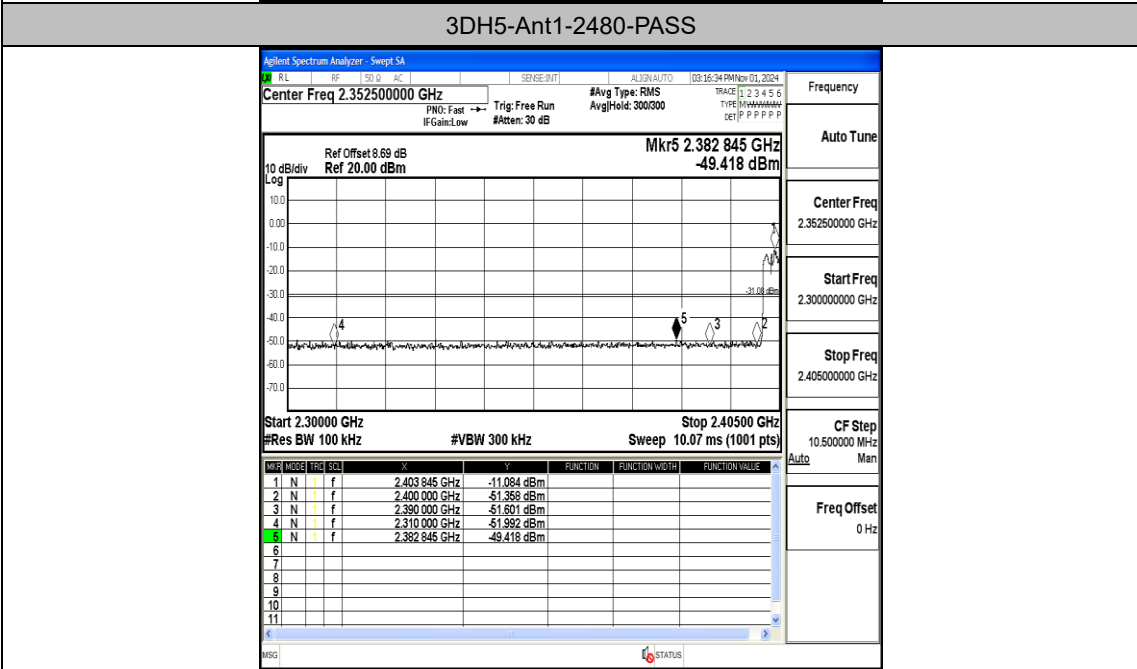
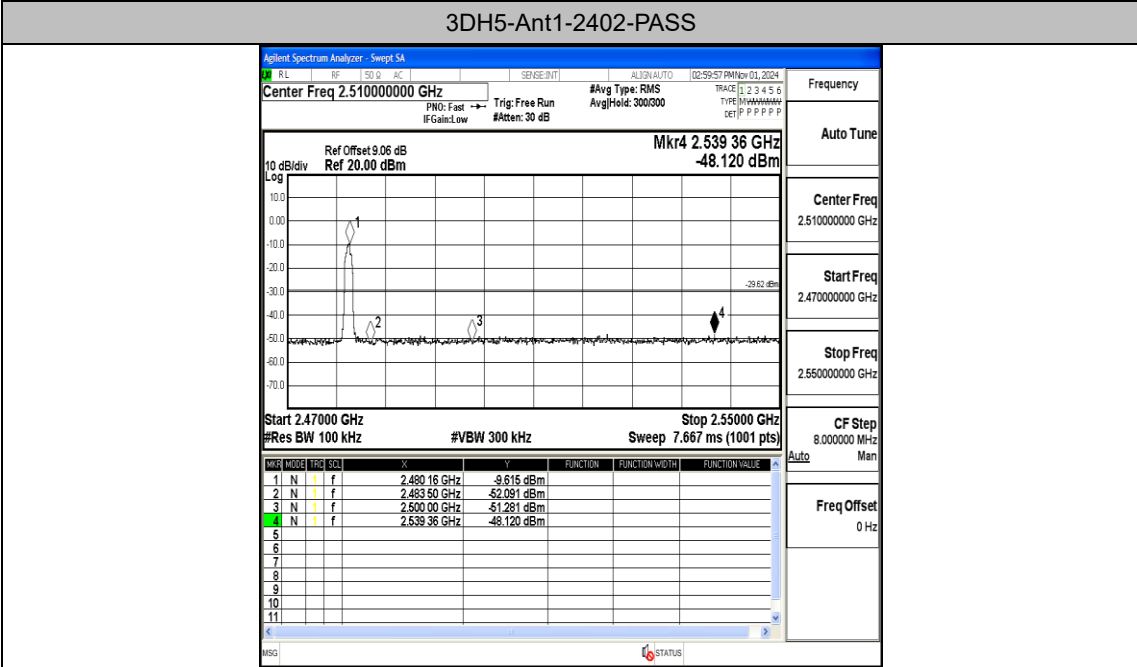
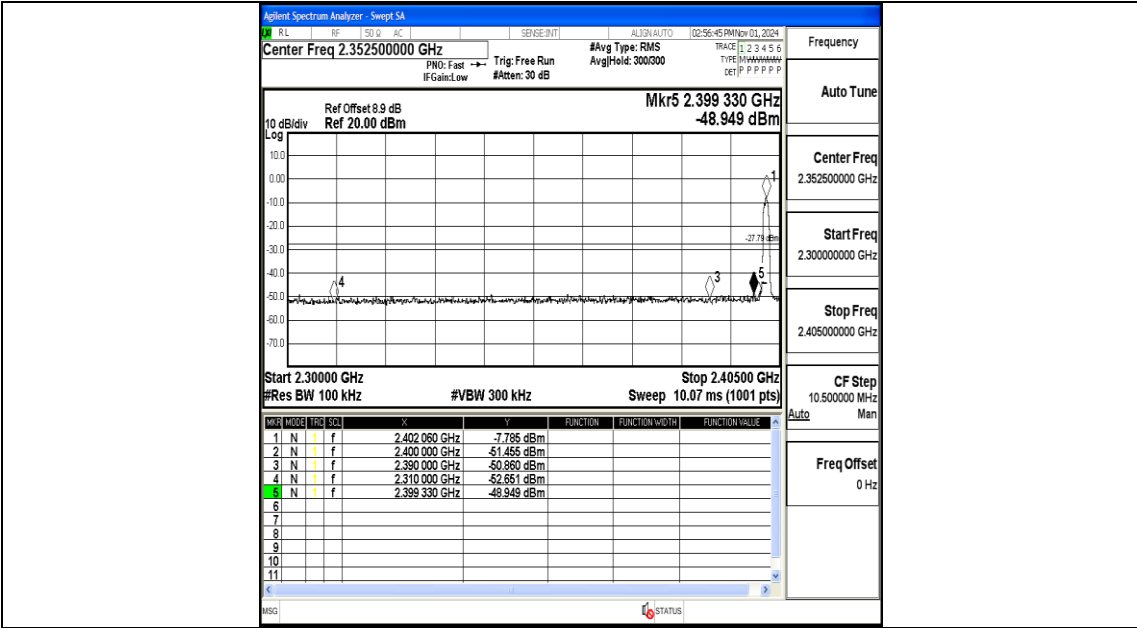
2DH5-Ant1-2480-PASS

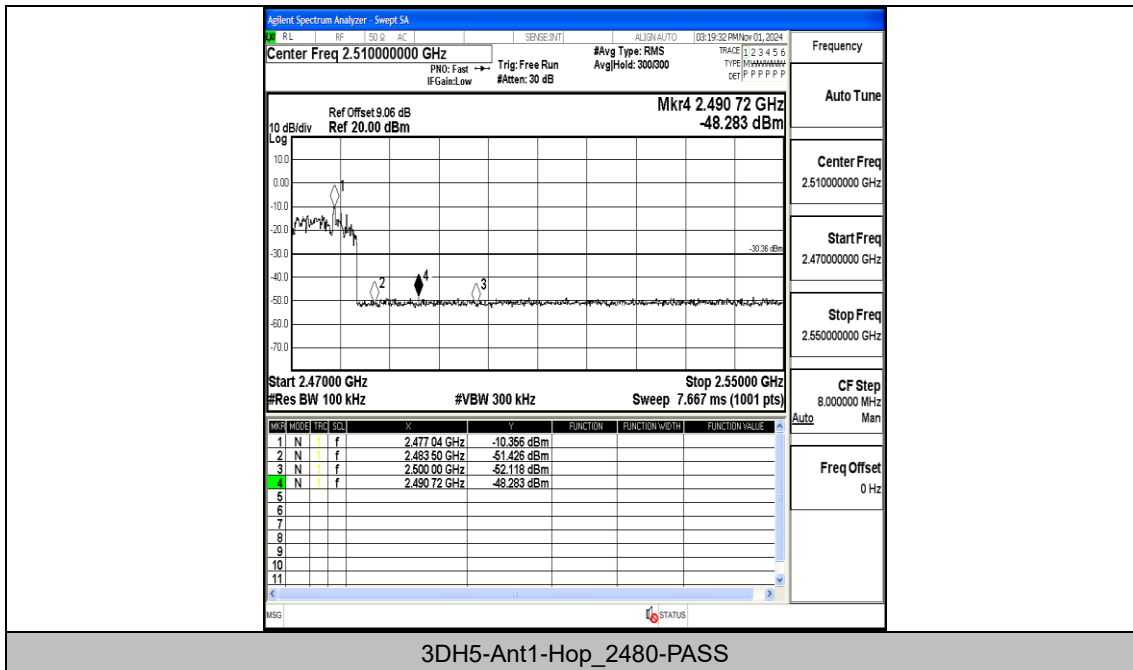


2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



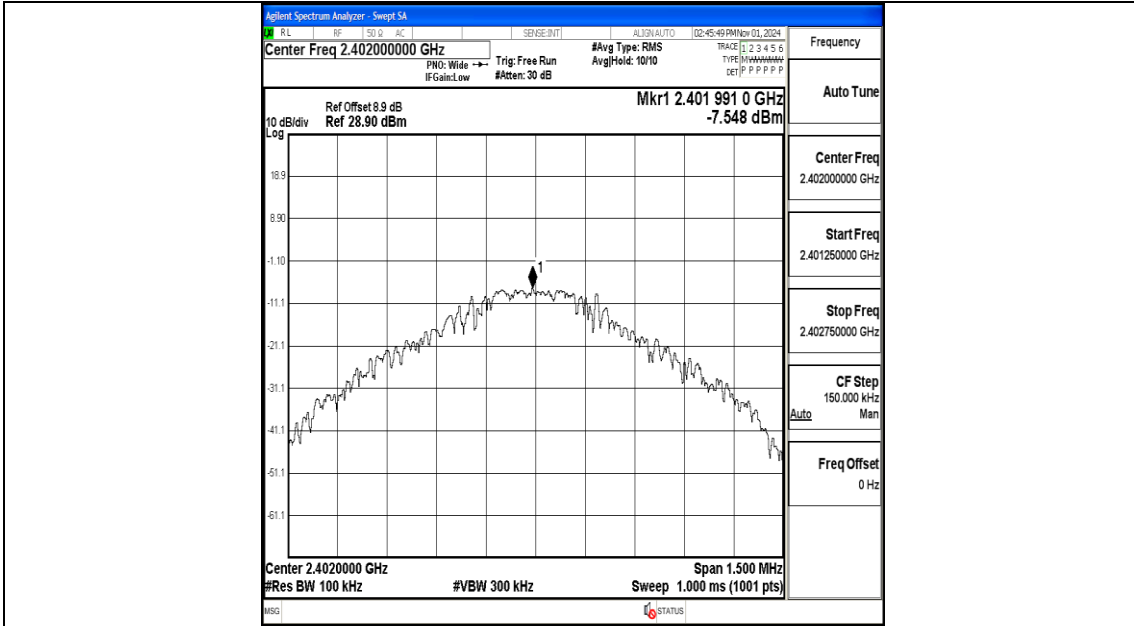


Appendix H: Conducted Spurious Emission

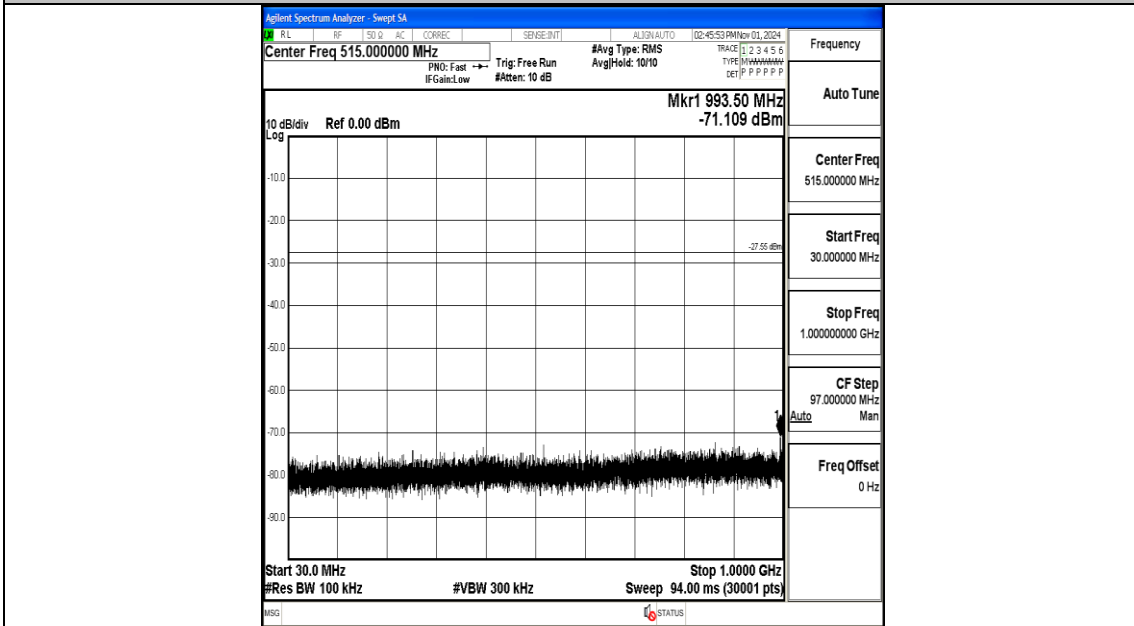
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-7.55	-7.55	---	PASS
DH5	Ant1	2402	30~1000	-7.55	-71.11	≤-27.55	PASS
DH5	Ant1	2402	1000~26500	-7.55	-32.7	≤-27.55	PASS
DH5	Ant1	2441	0~Reference	-9.04	-9.04	---	PASS
DH5	Ant1	2441	30~1000	-9.04	-69.32	≤-29.04	PASS
DH5	Ant1	2441	1000~26500	-9.04	-32.64	≤-29.04	PASS
DH5	Ant1	2480	0~Reference	-10.46	-10.46	---	PASS
DH5	Ant1	2480	30~1000	-10.46	-70.88	≤-30.46	PASS
DH5	Ant1	2480	1000~26500	-10.46	-36.95	≤-30.46	PASS
2DH5	Ant1	2402	0~Reference	-7.98	-7.98	---	PASS
2DH5	Ant1	2402	30~1000	-7.98	-69.44	≤-27.98	PASS
2DH5	Ant1	2402	1000~26500	-7.98	-37.66	≤-27.98	PASS
2DH5	Ant1	2441	0~Reference	-7.99	-7.99	---	PASS
2DH5	Ant1	2441	30~1000	-7.99	-71.56	≤-27.99	PASS
2DH5	Ant1	2441	1000~26500	-7.99	-31.33	≤-27.99	PASS
2DH5	Ant1	2480	0~Reference	-9.64	-9.64	---	PASS
2DH5	Ant1	2480	30~1000	-9.64	-69.12	≤-29.64	PASS
2DH5	Ant1	2480	1000~26500	-9.64	-34.7	≤-29.64	PASS
3DH5	Ant1	2402	0~Reference	-8.54	-8.54	---	PASS
3DH5	Ant1	2402	30~1000	-8.54	-68.08	≤-28.54	PASS
3DH5	Ant1	2402	1000~26500	-8.54	-37.8	≤-28.54	PASS
3DH5	Ant1	2441	0~Reference	-8.88	-8.88	---	PASS
3DH5	Ant1	2441	30~1000	-8.88	-68.68	≤-28.88	PASS
3DH5	Ant1	2441	1000~26500	-8.88	-37.8	≤-28.88	PASS
3DH5	Ant1	2480	0~Reference	-10.46	-10.46	---	PASS
3DH5	Ant1	2480	30~1000	-10.46	-72.33	≤-30.46	PASS
3DH5	Ant1	2480	1000~26500	-10.46	-40.11	≤-30.46	PASS

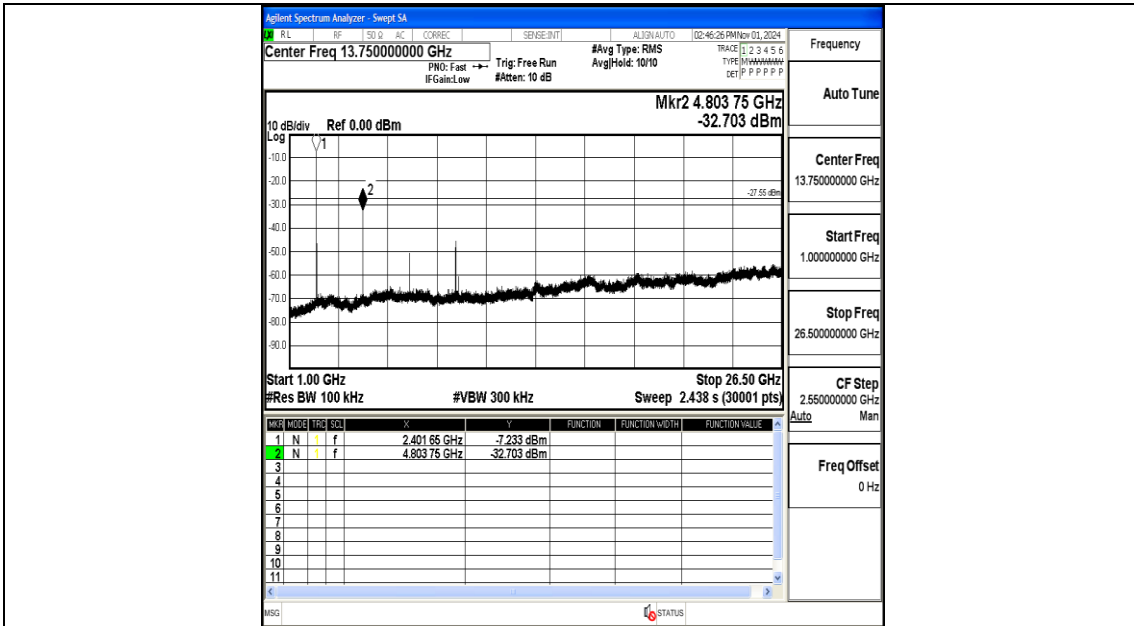
Test Graphs



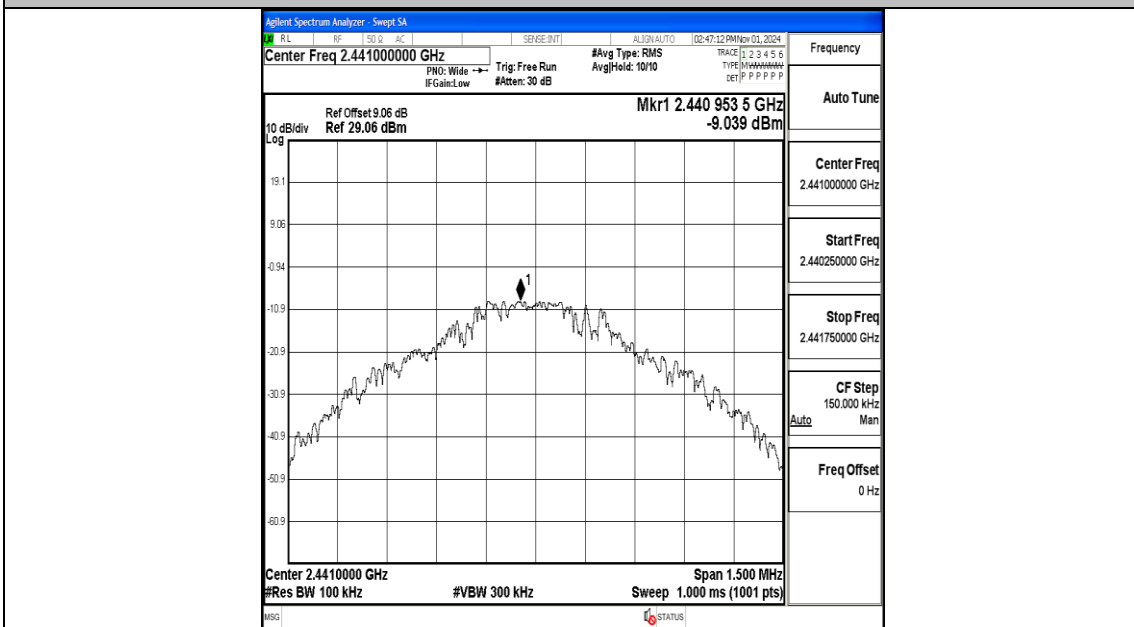
DH5-Ant1-2402-0~Reference-PASS



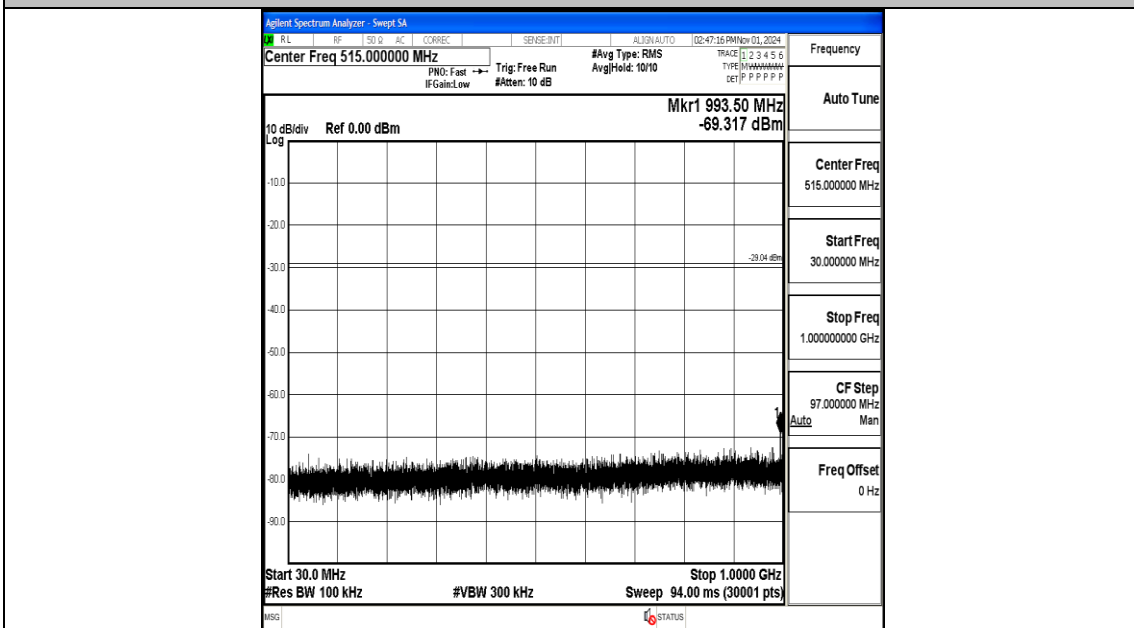
DH5-Ant1-2402-30~1000-PASS



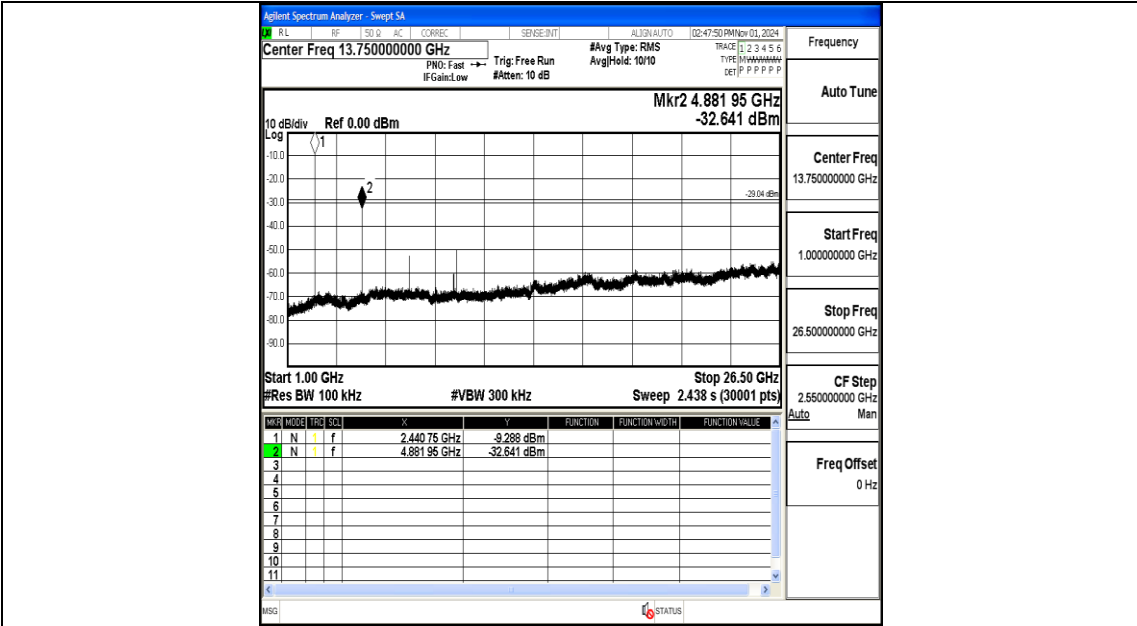
DH5-Ant1-2402-1000~26500-PASS



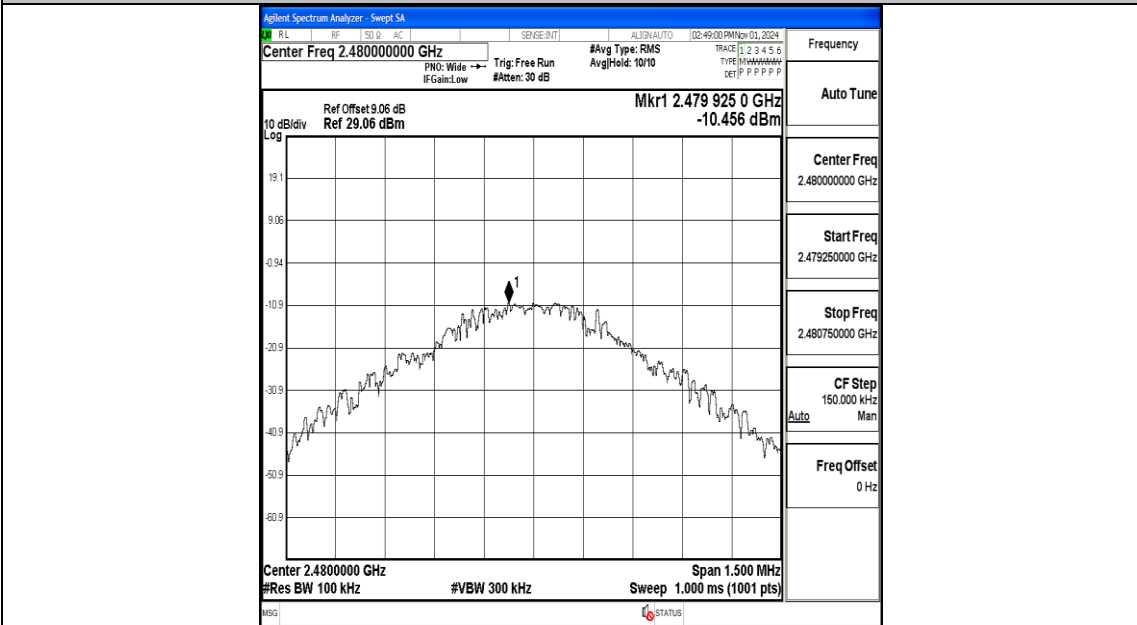
DH5-Ant1-2441-0~Reference-PASS



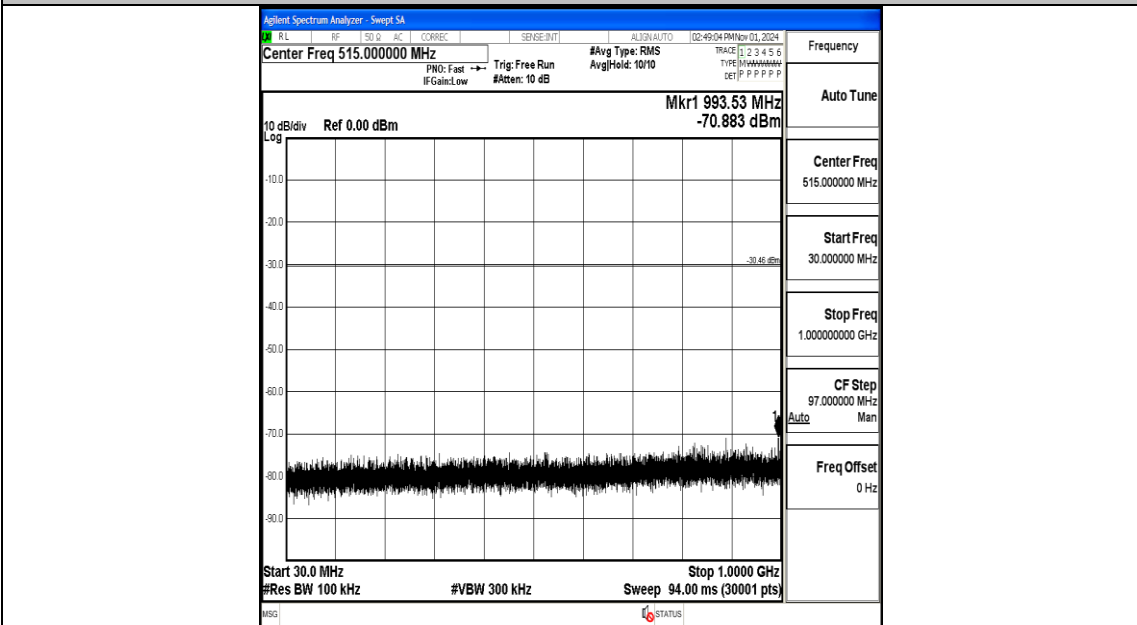
DH5-Ant1-2441-30~1000-PASS



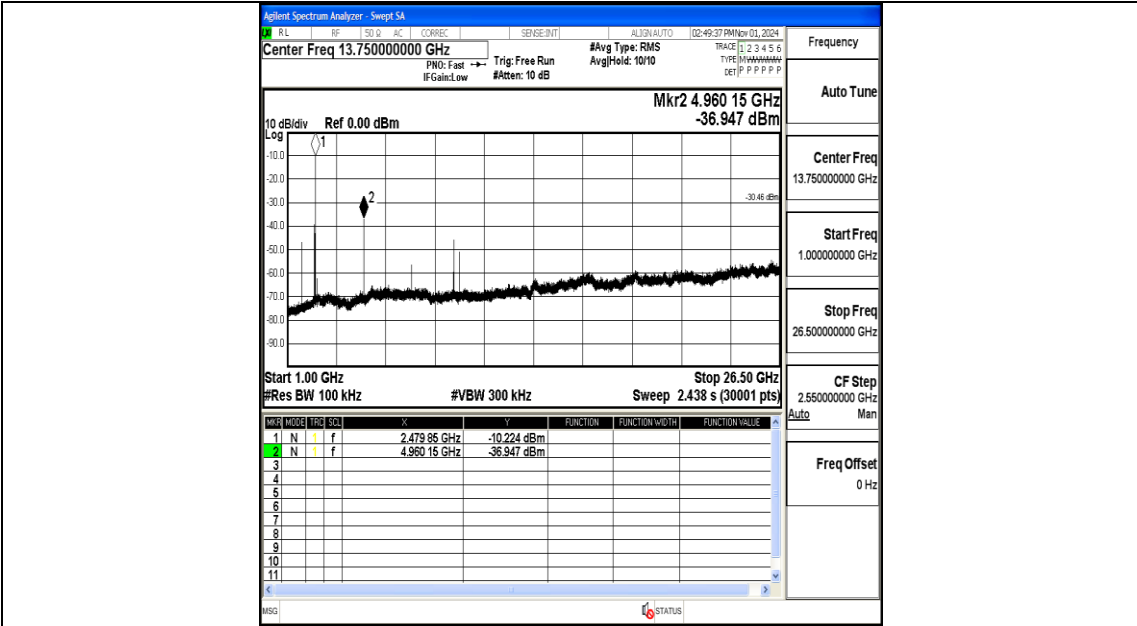
DH5-Ant1-2441-1000~26500-PASS



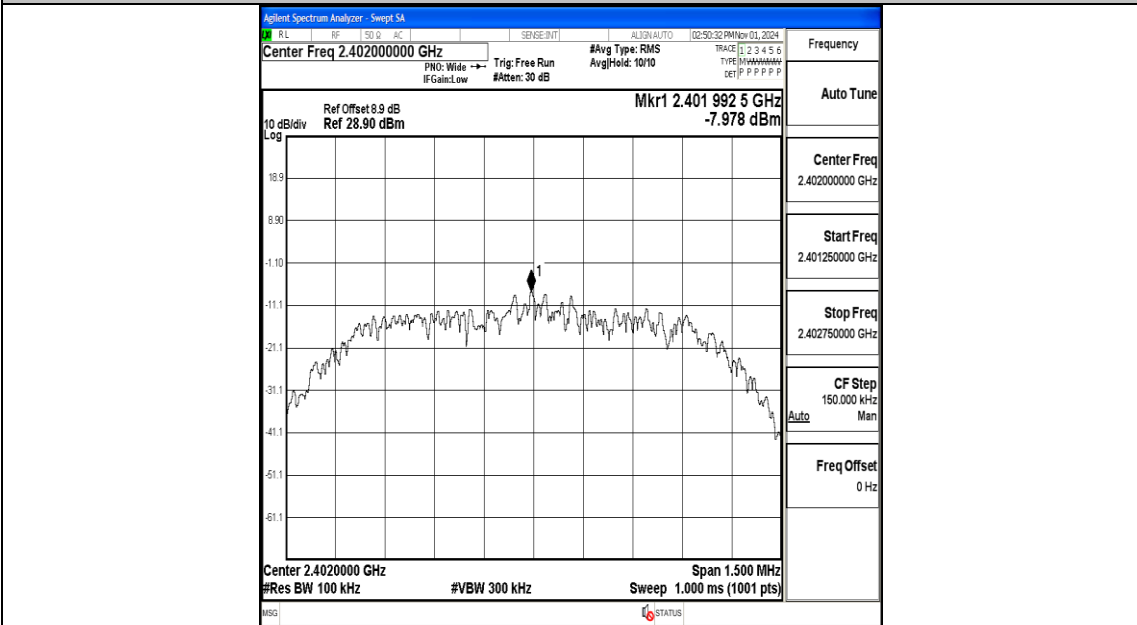
DH5-Ant1-2480-0~Reference-PASS



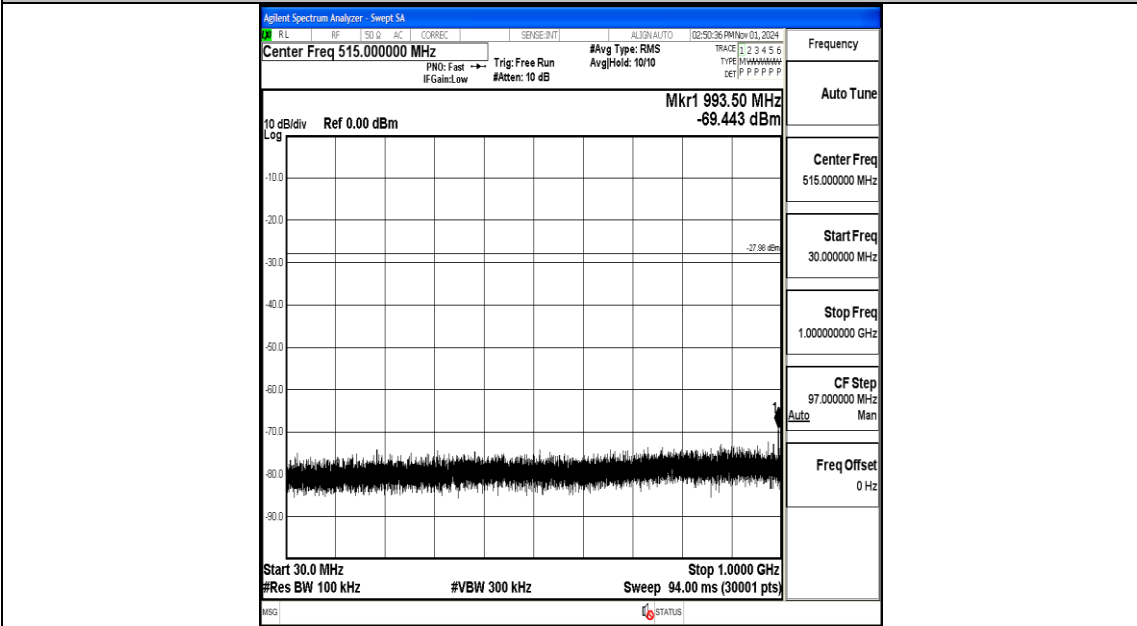
DH5-Ant1-2480-30~1000-PASS



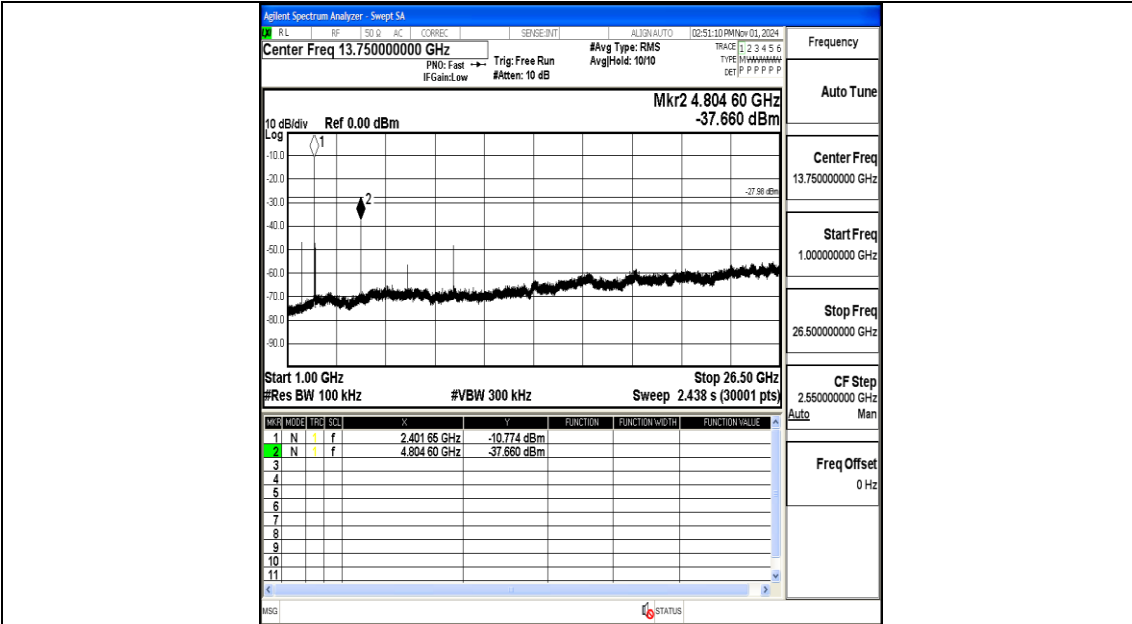
DH5-Ant1-2480-1000~26500-PASS



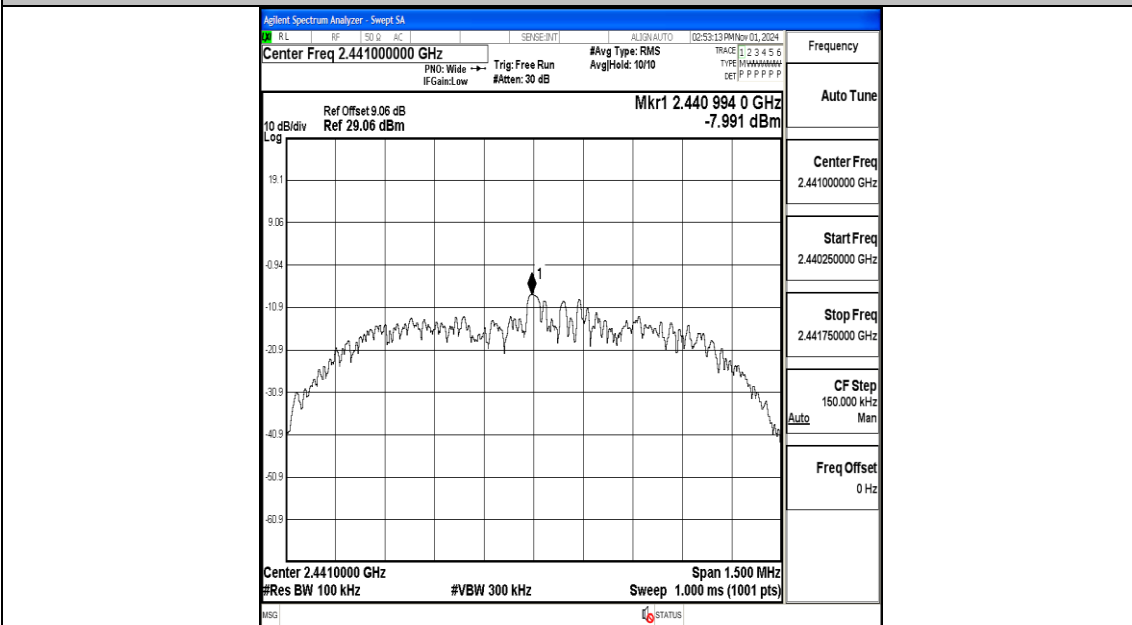
2DH5-Ant1-2402-0~Reference-PASS



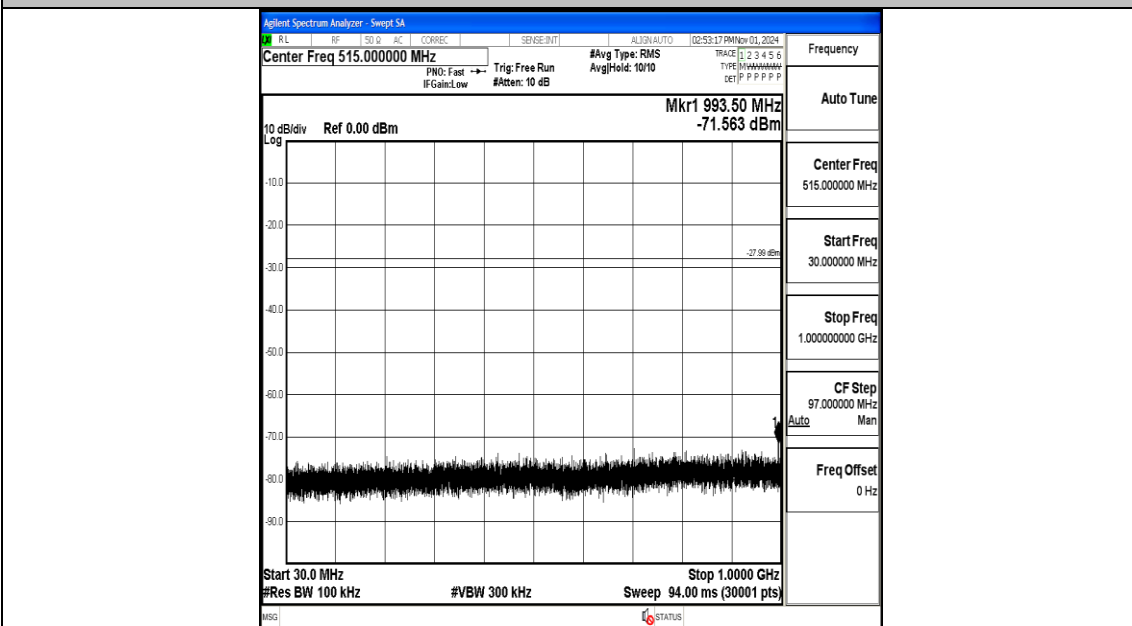
2DH5-Ant1-2402-30~1000-PASS



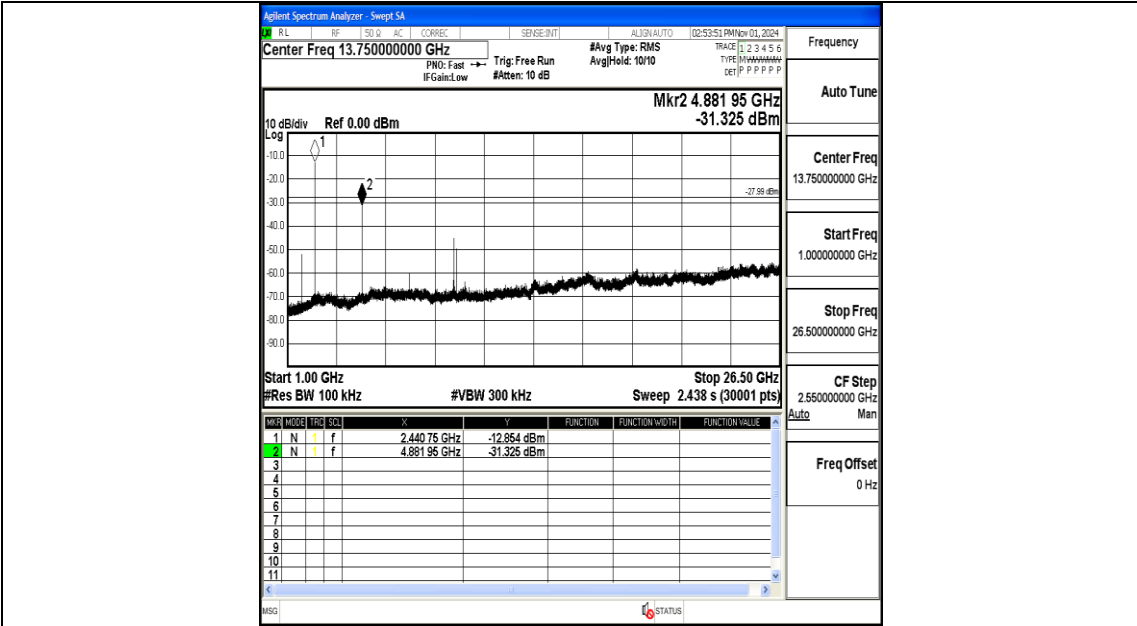
2DH5-Ant1-2402-1000~26500-PASS



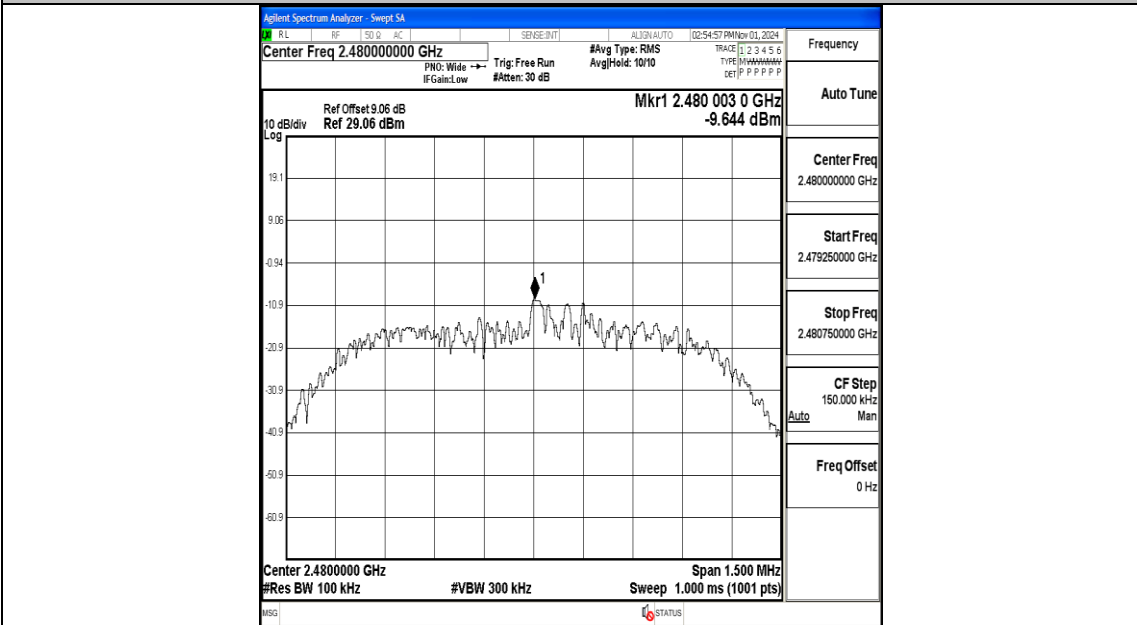
2DH5-Ant1-2441-0~Reference-PASS



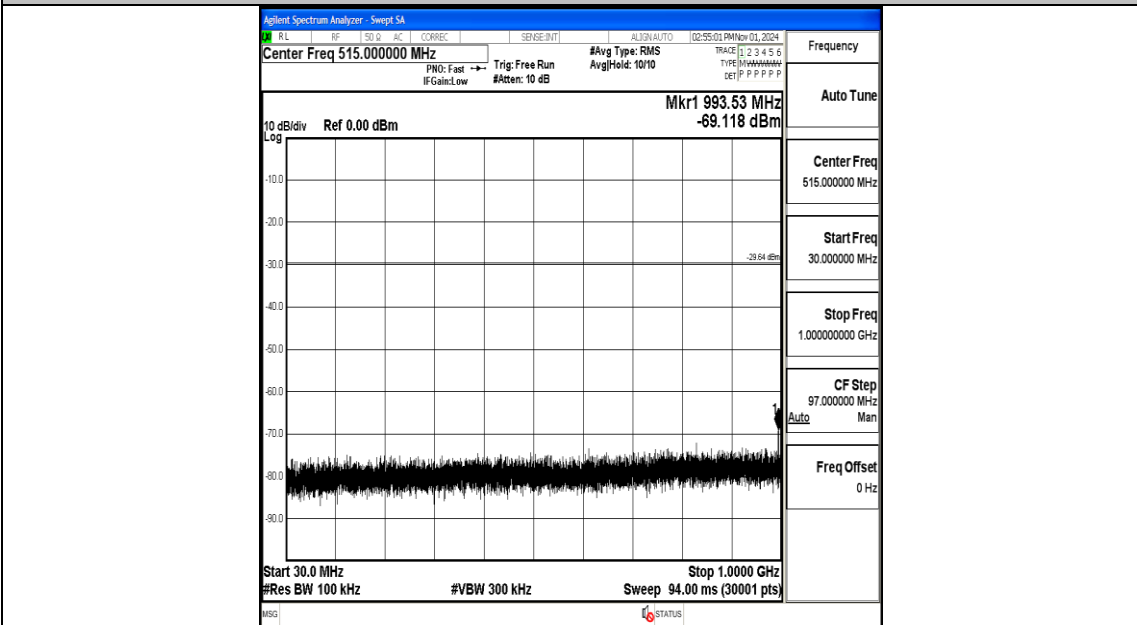
2DH5-Ant1-2441-30~1000-PASS



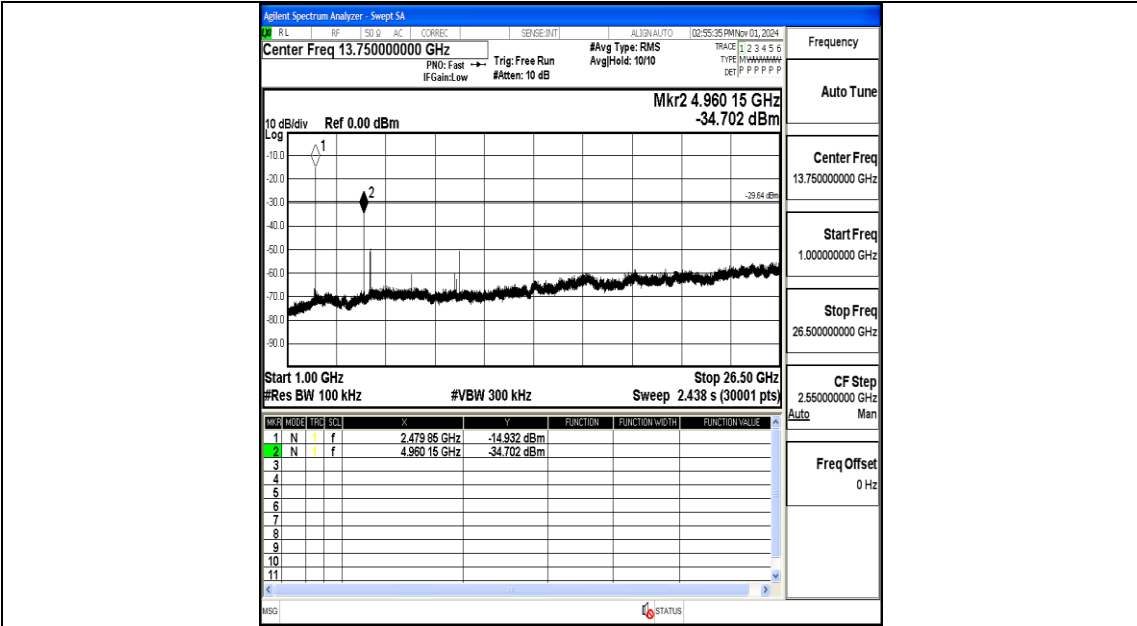
2DH5-Ant1-2441-1000~26500-PASS



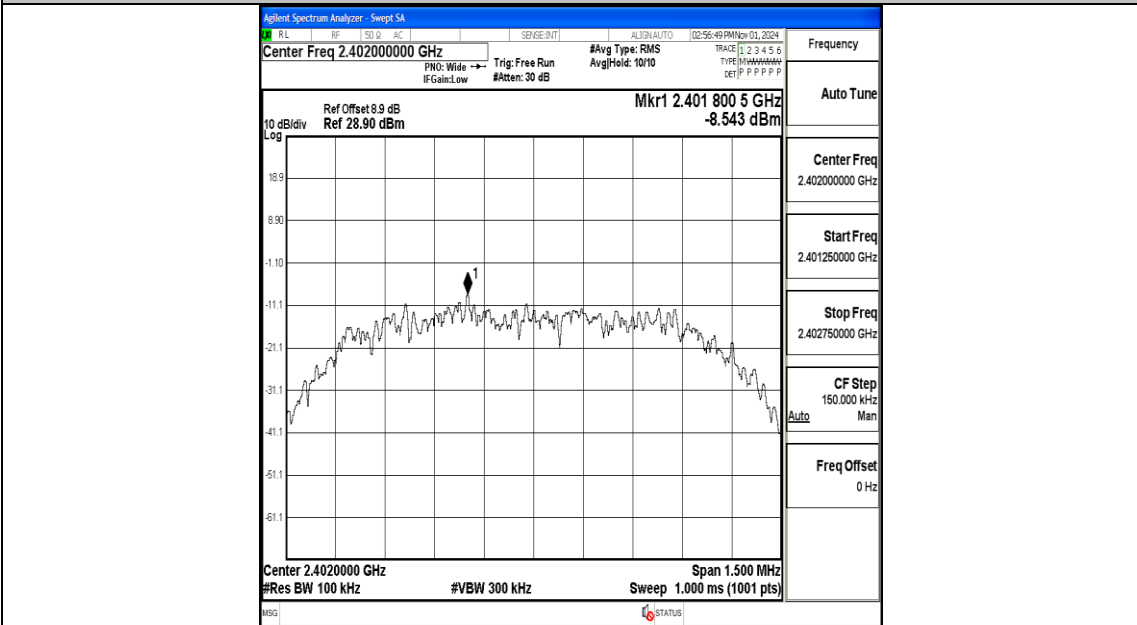
2DH5-Ant1-2480-0~Reference-PASS



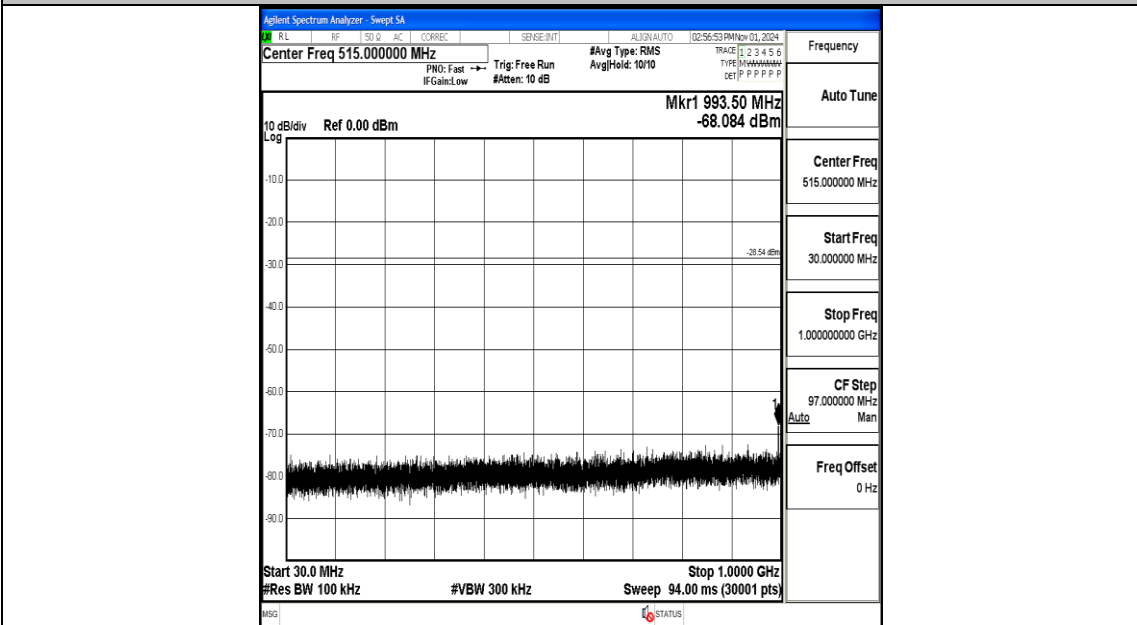
2DH5-Ant1-2480-30~1000-PASS



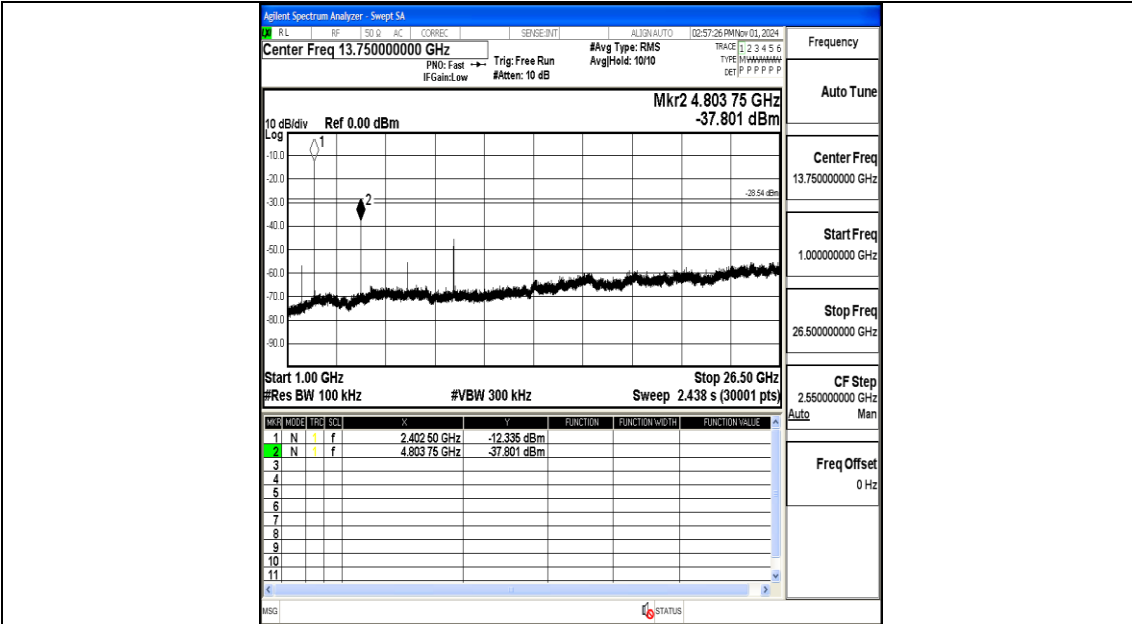
2DH5-Ant1-2480-1000~26500-PASS



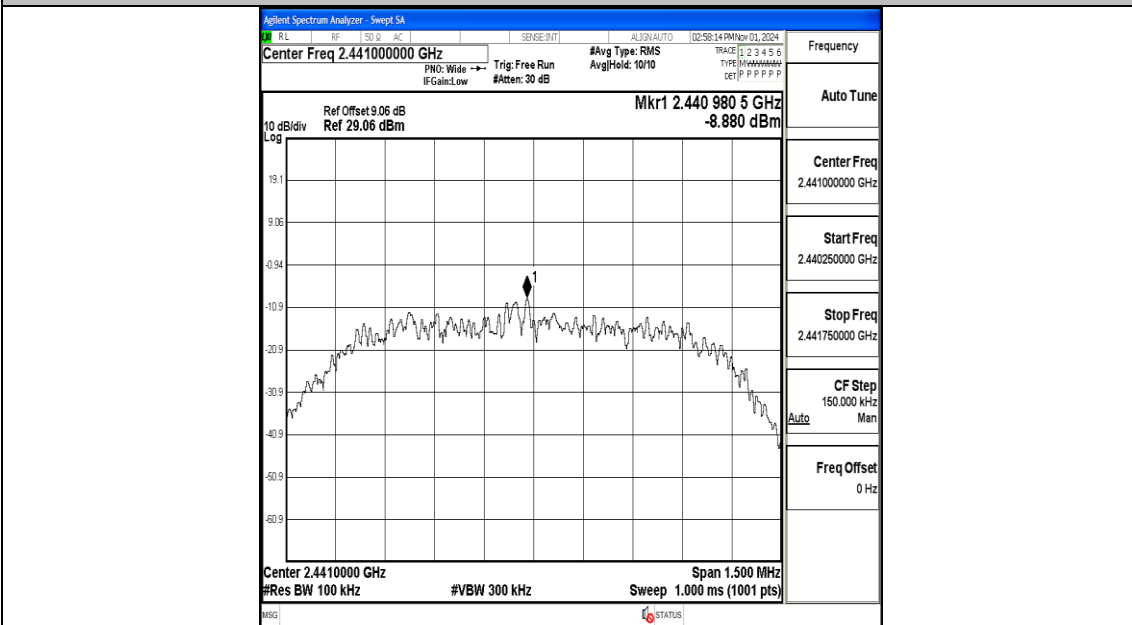
3DH5-Ant1-2402-0~Reference-PASS



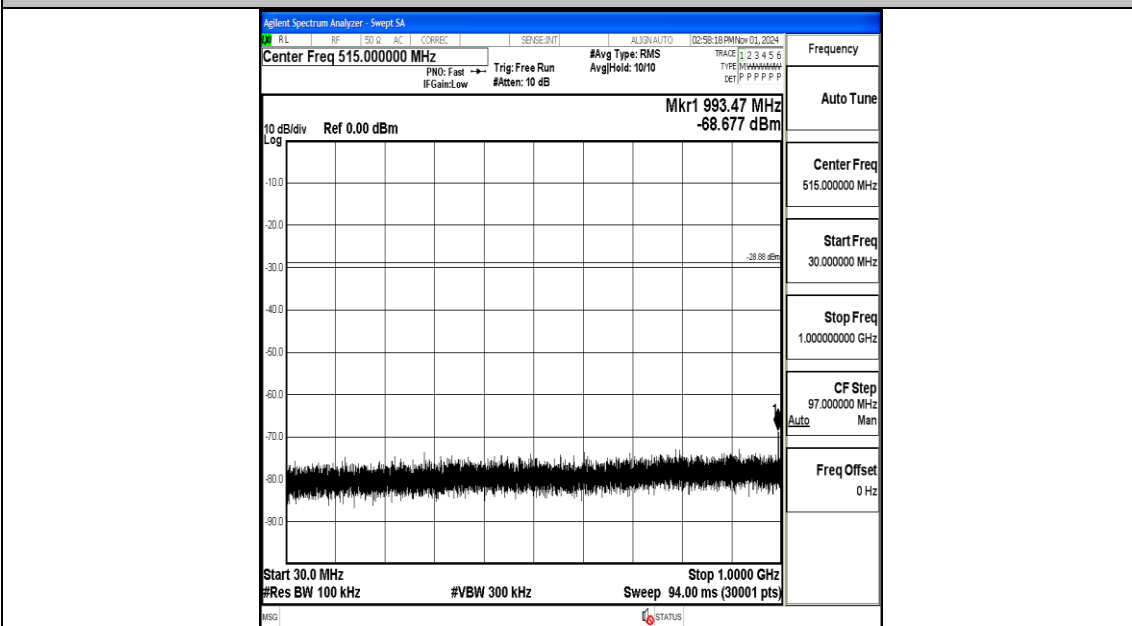
3DH5-Ant1-2402-30~1000-PASS



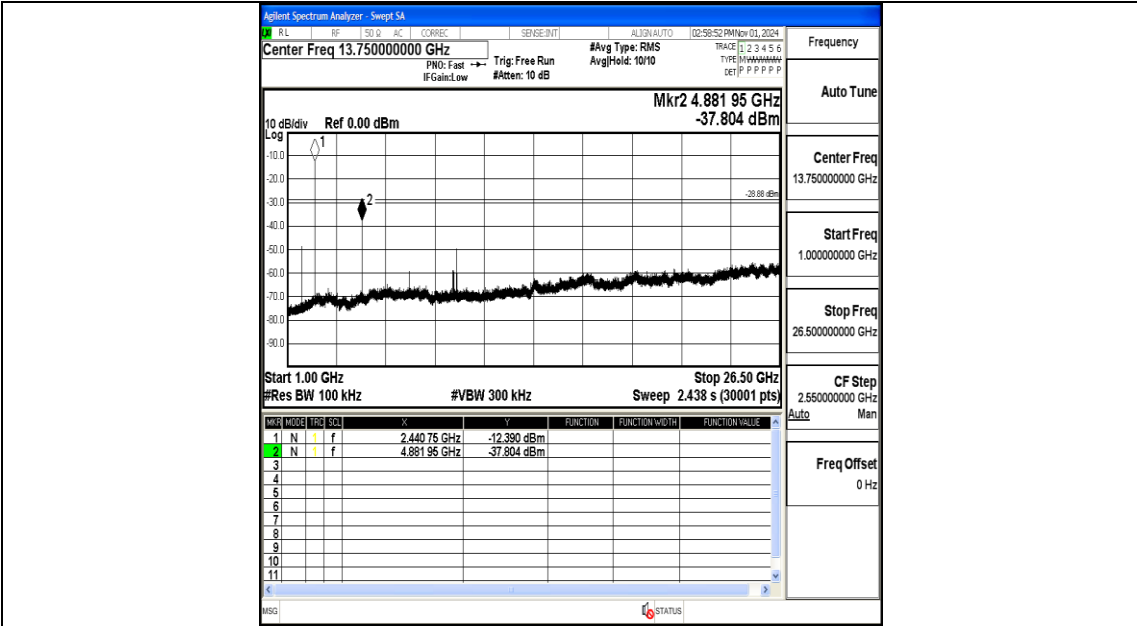
3DH5-Ant1-2402-1000~26500-PASS



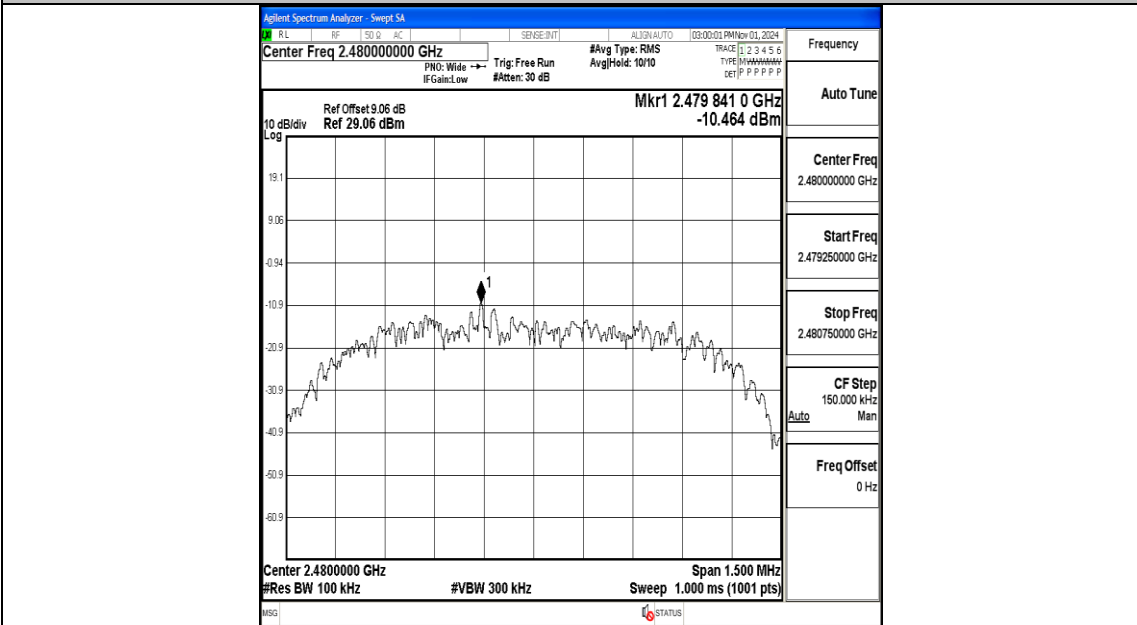
3DH5-Ant1-2441-0~Reference-PASS



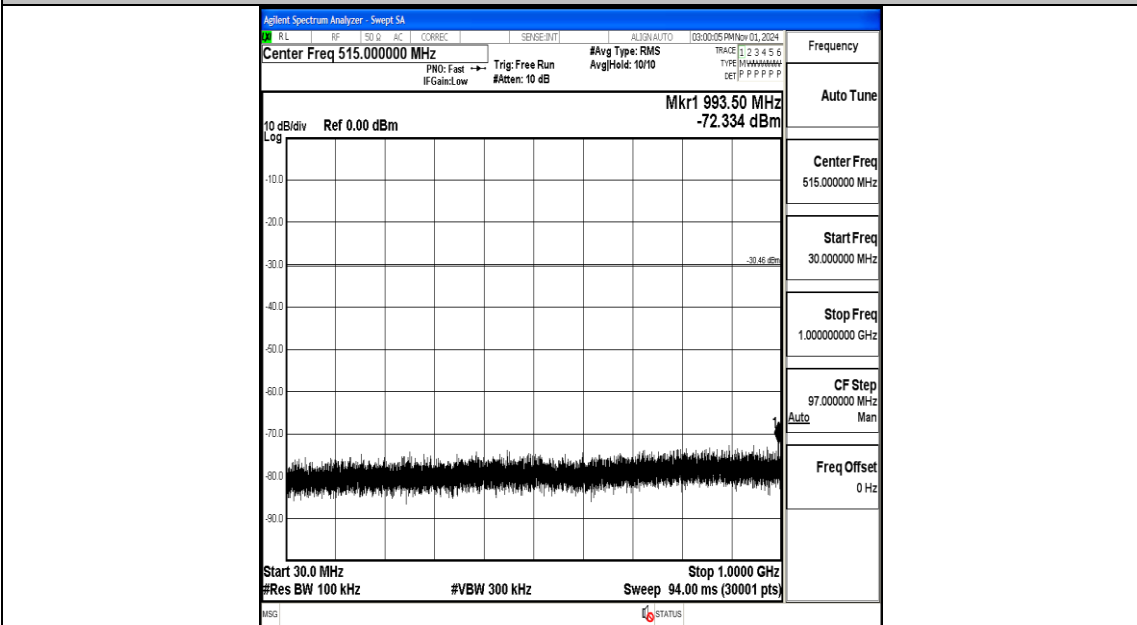
3DH5-Ant1-2441-30~1000-PASS



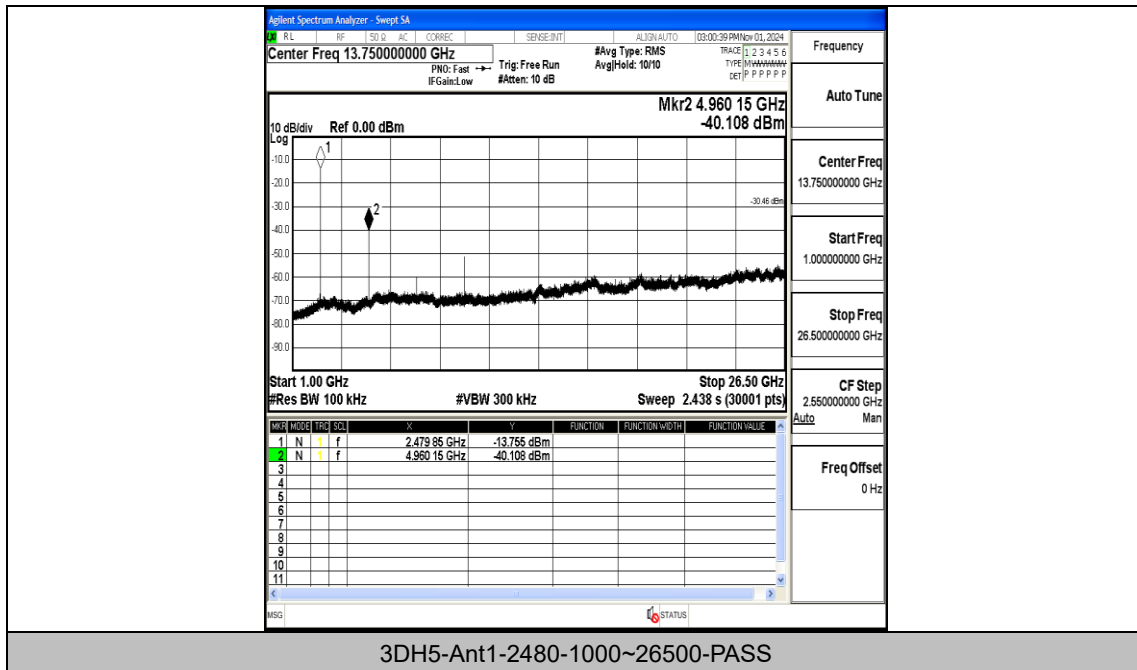
3DH5-Ant1-2441-1000~26500-PASS



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



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

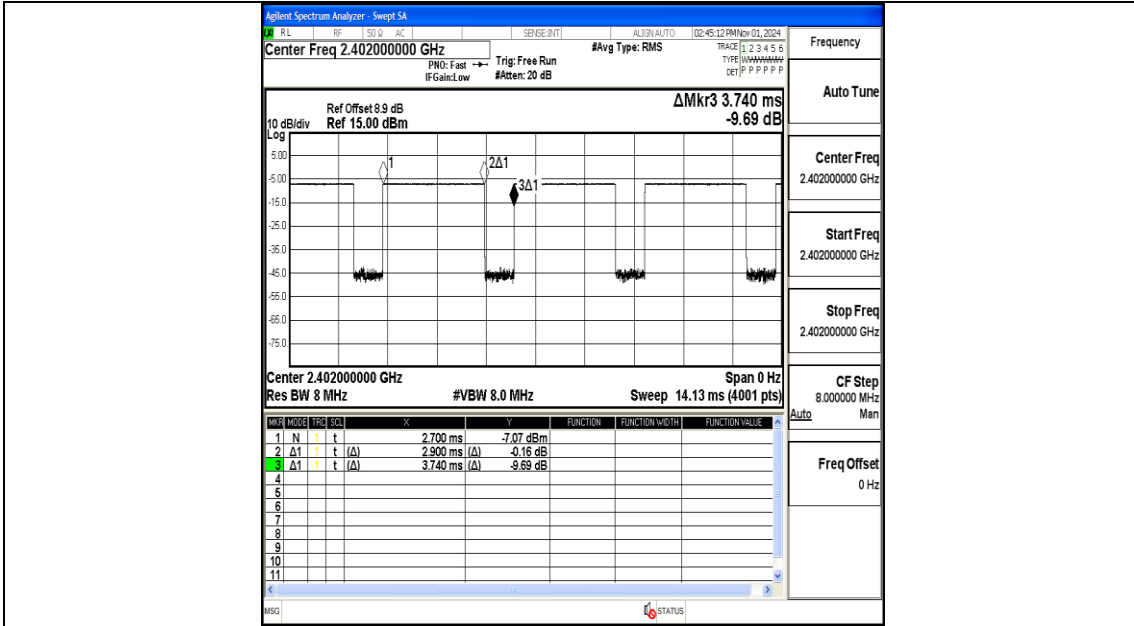


Appendix I: Duty Cycle

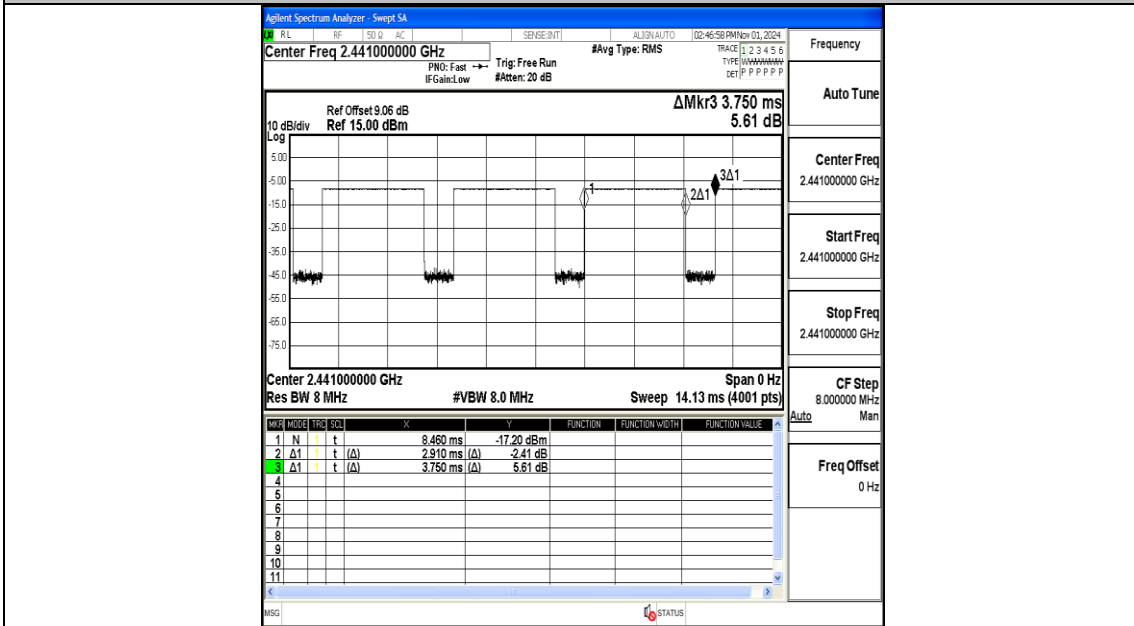
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.90	3.74	77.54	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
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	2.91	3.75	77.60	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	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

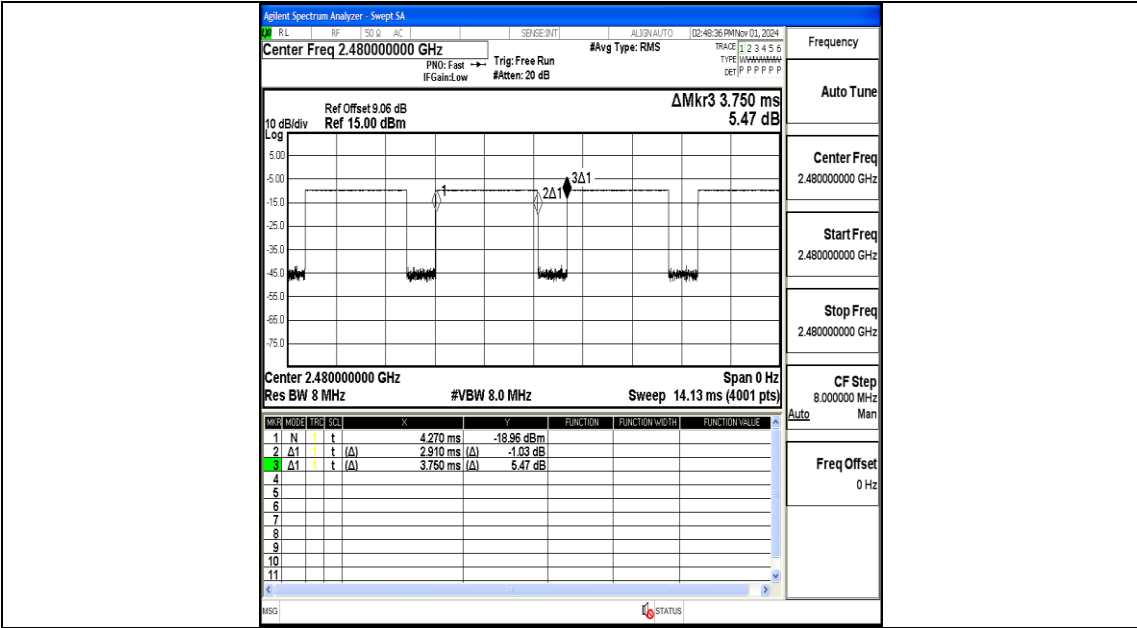
Test Graphs



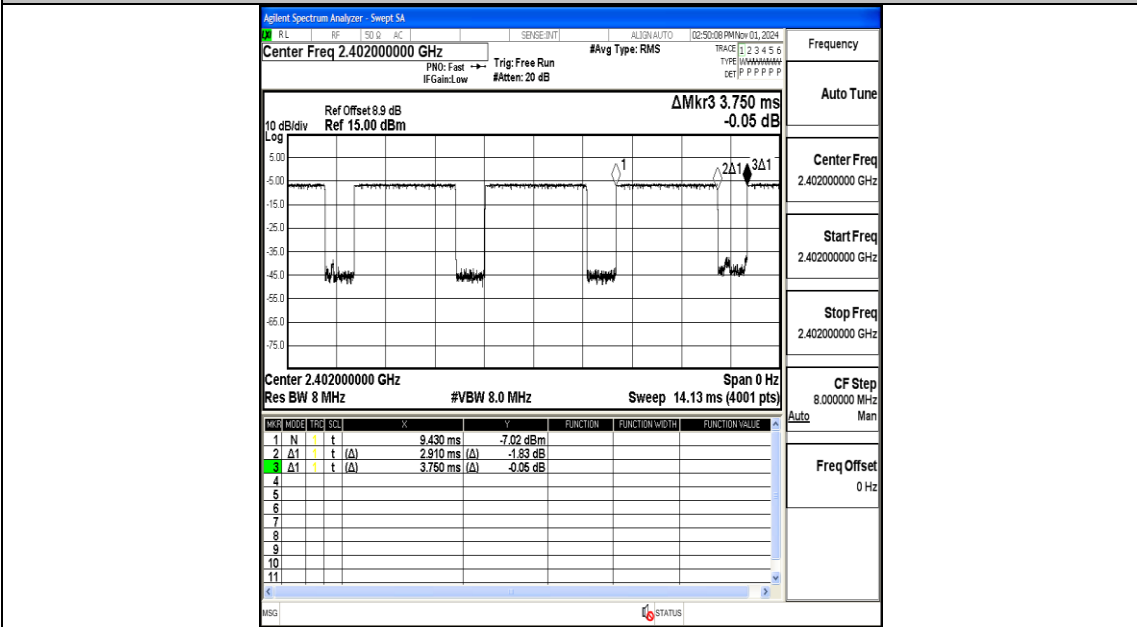
NTNV-DH5-Ant1-2402



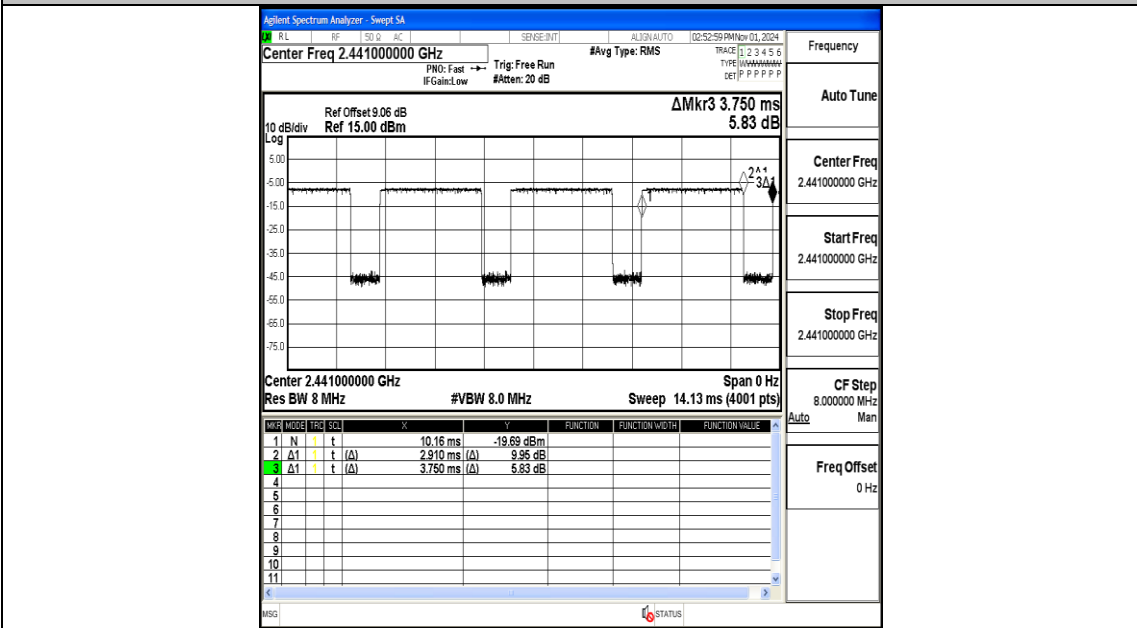
NTNV-DH5-Ant1-2441



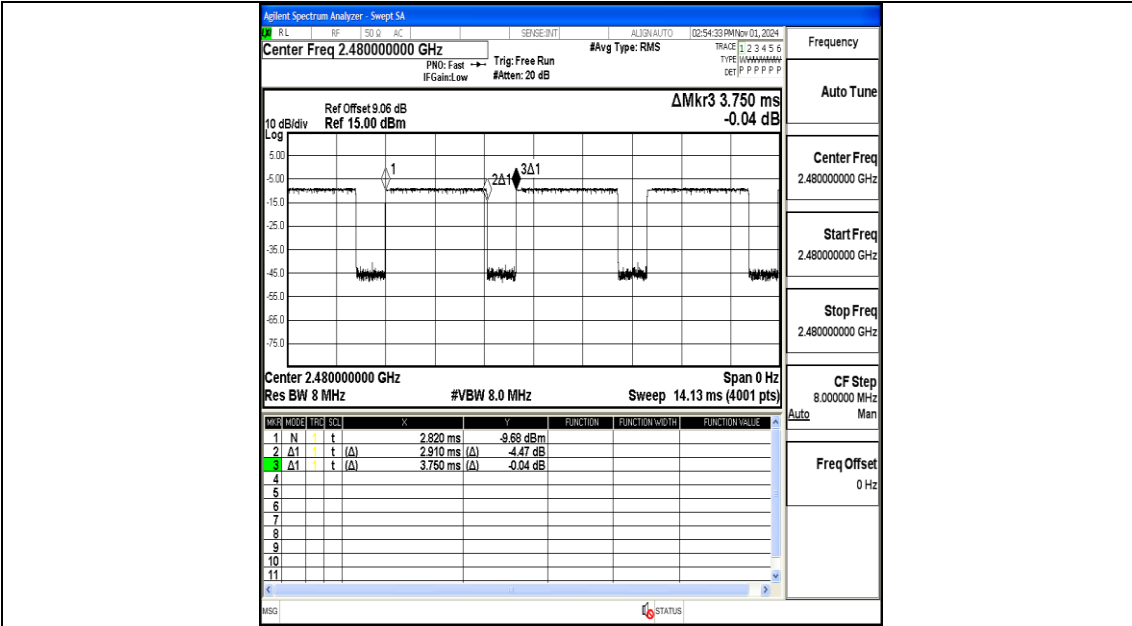
NTNV-DH5-Ant1-2480



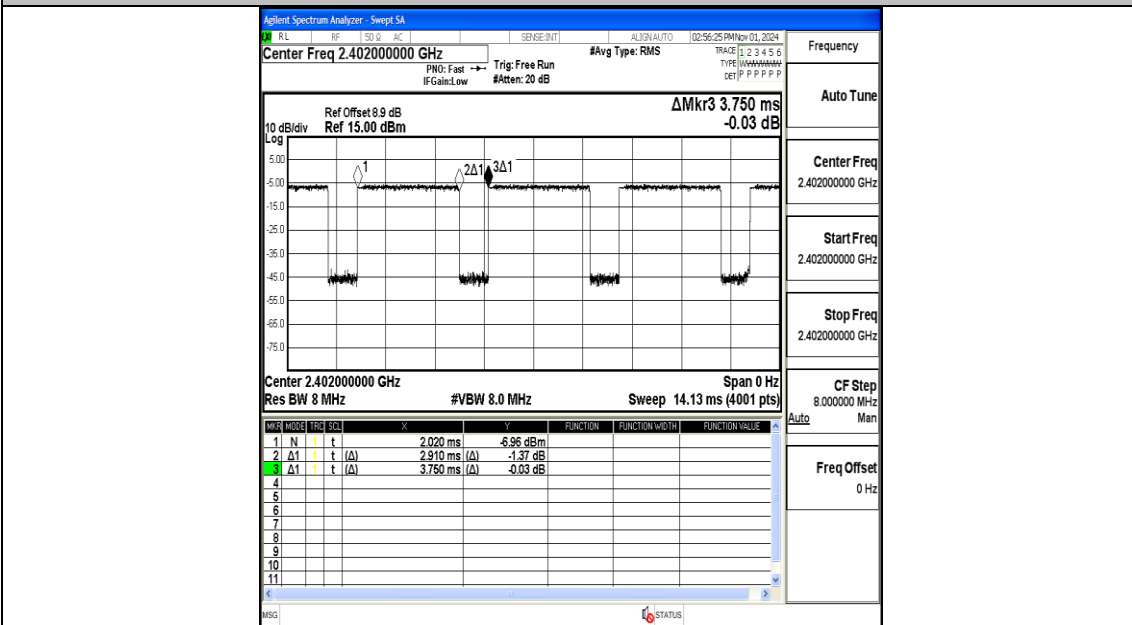
NTNV-2DH5-Ant1-2402



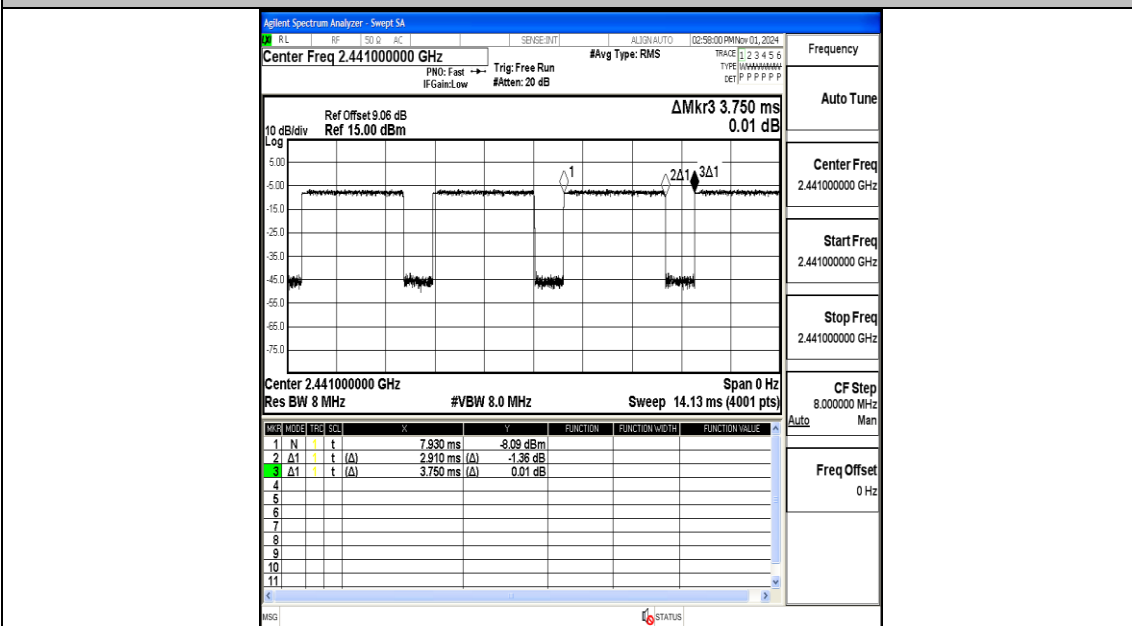
NTNV-2DH5-Ant1-2441



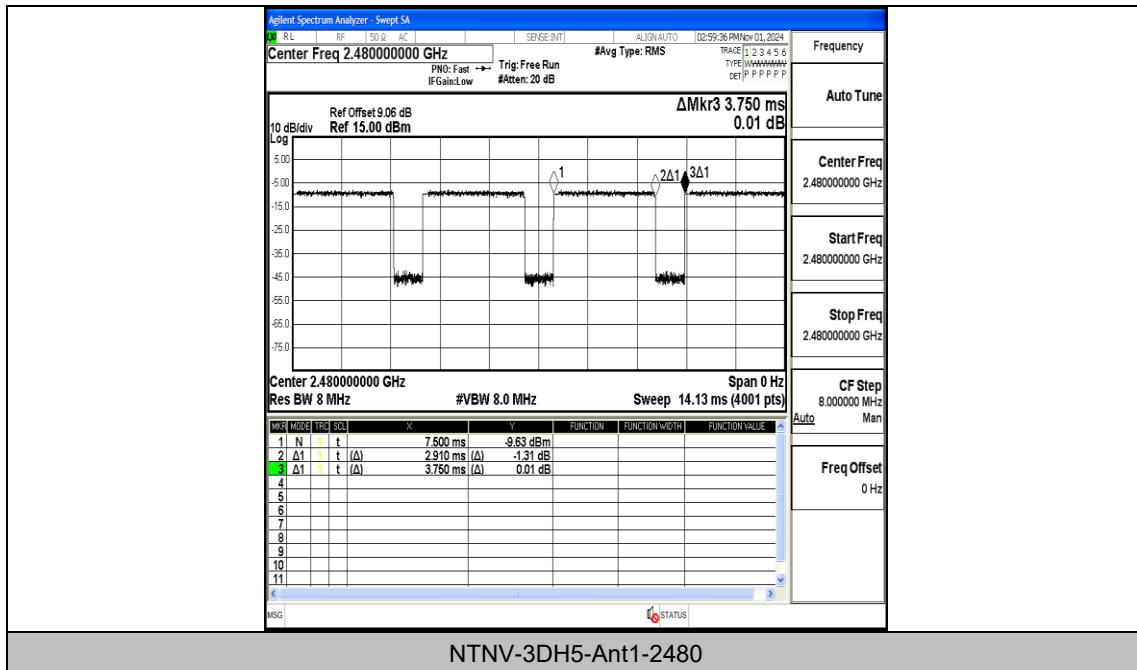
NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480