

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.963	2401.532	2402.495	---	---
		2441	0.969	2440.529	2441.498	---	---
		2480	0.960	2479.535	2480.495	---	---
2DH5	Ant1	2402	1.287	2401.358	2402.645	---	---
		2441	1.314	2440.334	2441.648	---	---
		2480	1.317	2479.331	2480.648	---	---
3DH5	Ant1	2402	1.284	2401.343	2402.627	---	---
		2441	1.275	2440.343	2441.618	---	---
		2480	1.317	2479.334	2480.651	---	---

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



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq (MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.86741	2401.5696	2402.4370	---	---
		2441	0.86938	2440.5708	2441.4401	---	---
		2480	0.86732	2479.5684	2480.4357	---	---
2DH5	Ant1	2402	1.1818	2401.3996	2402.5814	---	---
		2441	1.1751	2440.4026	2441.5777	---	---
		2480	1.1771	2479.4017	2480.5788	---	---
3DH5	Ant1	2402	1.1759	2401.4091	2402.5850	---	---
		2441	1.1798	2440.4037	2441.5835	---	---
		2480	1.1730	2479.4070	2480.5800	---	---

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



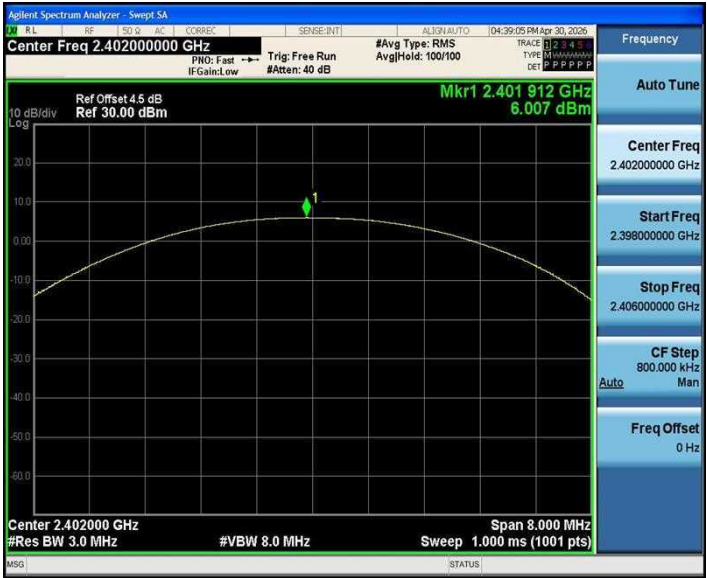
Appendix C: Maximum conducted output power

Test Result Peak

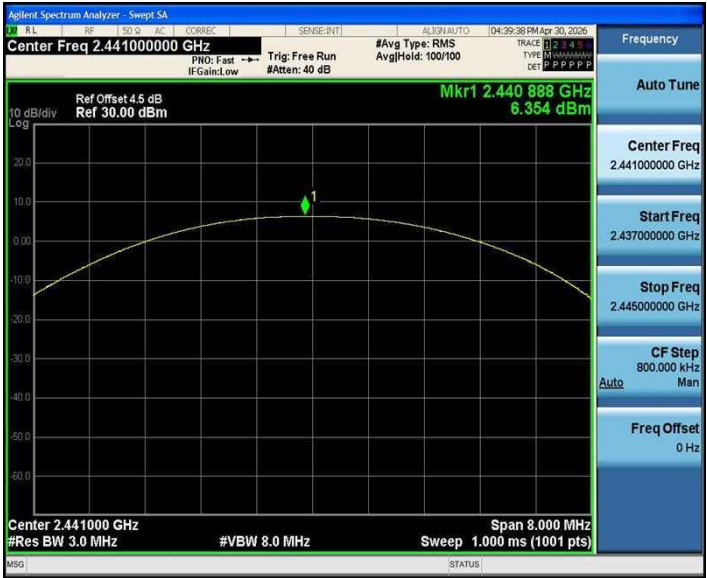
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	6.01	≤ 20.97	PASS
		2441	6.35	≤ 20.97	PASS
		2480	5.65	≤ 20.97	PASS
2DH5	Ant1	2402	8.28	≤ 30	PASS
		2441	8.25	≤ 30	PASS
		2480	8.81	≤ 30	PASS
3DH5	Ant1	2402	9.80	≤ 30	PASS
		2441	9.97	≤ 30	PASS
		2480	9.85	≤ 30	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

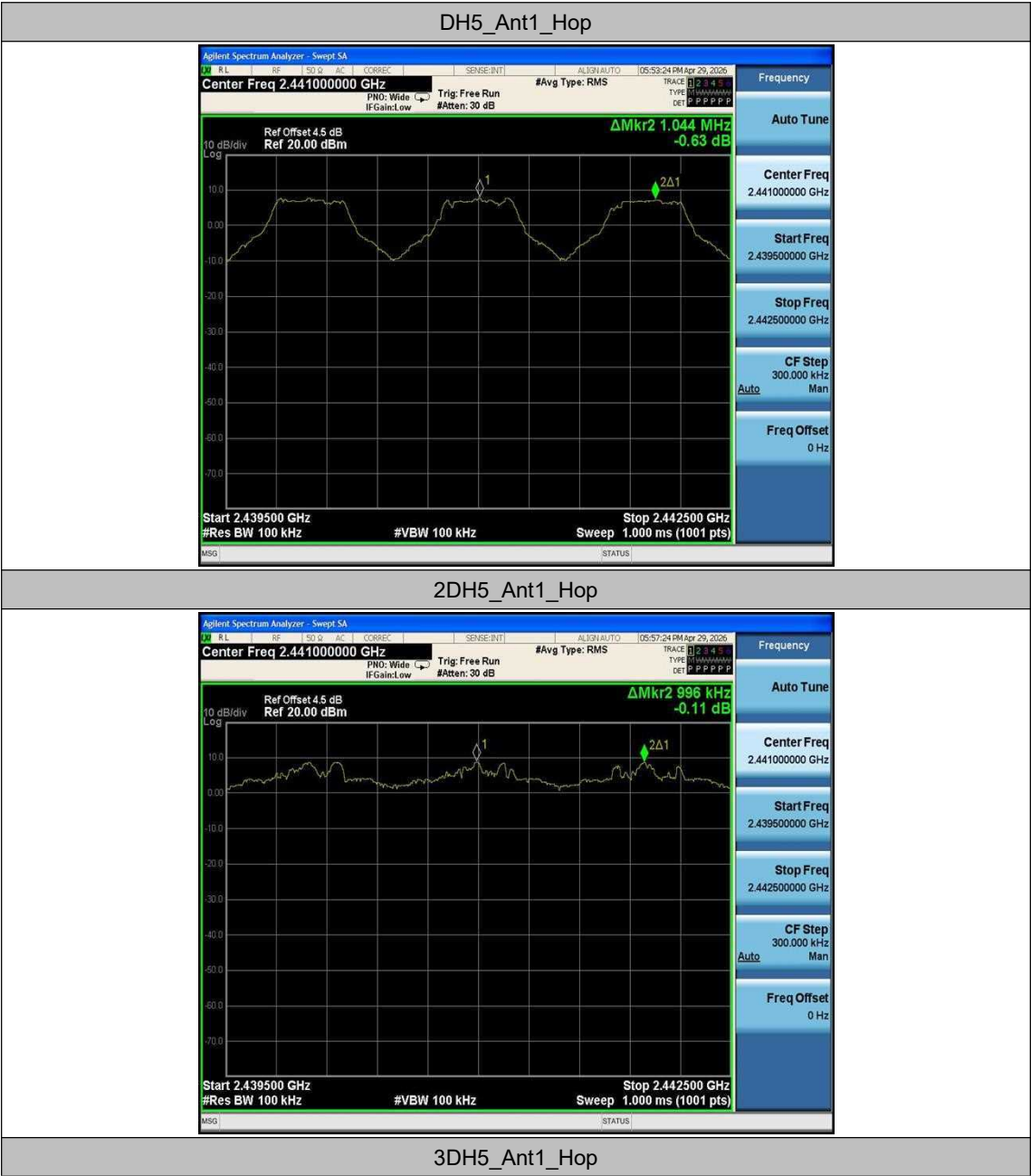


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.044	≥ 0.646	PASS
2DH5	Ant1	Hop	0.996	≥ 0.878	PASS
3DH5	Ant1	Hop	0.999	≥ 0.878	PASS

Test Graphs



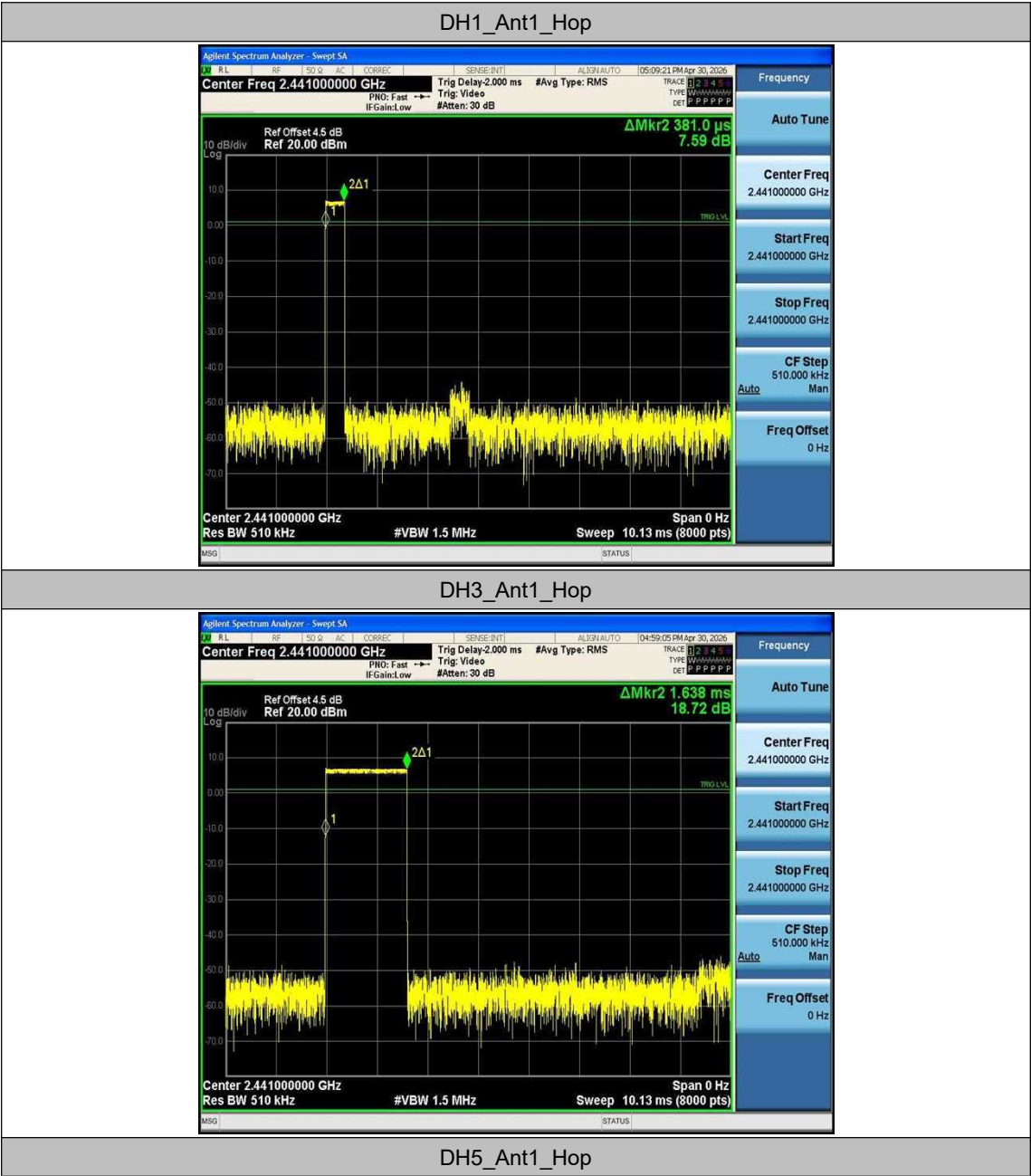


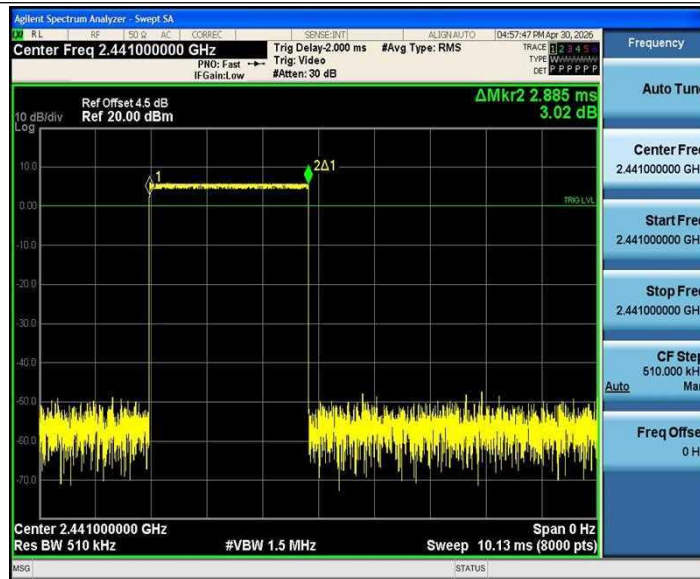
Appendix E: Time of occupancy

Test Result

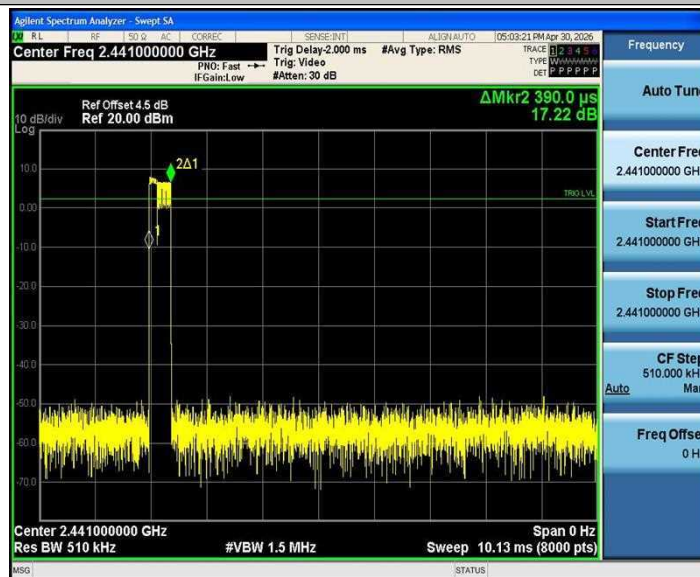
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.638	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	0.210	160	0.034	≤0.4	PASS
2DH5	Ant1	Hop	2.889	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.642	160	0.263	≤0.4	PASS
3DH5	Ant1	Hop	2.892	106.67	0.308	≤0.4	PASS

Test Graphs

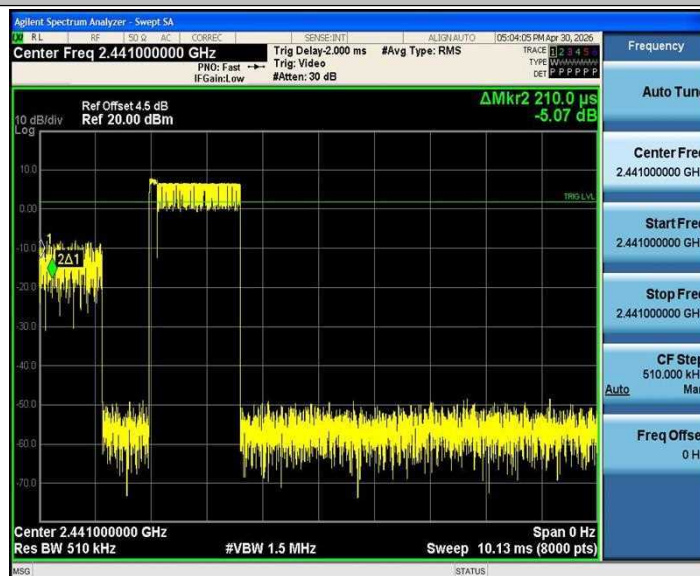




2DH1_Ant1_Hop



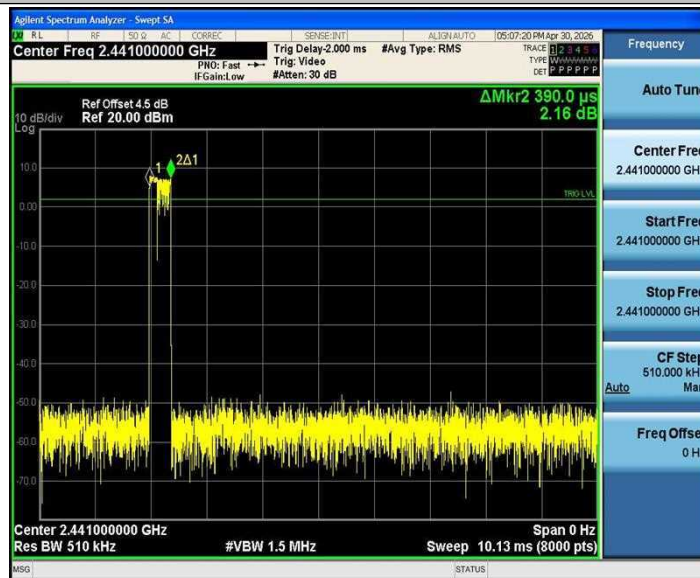
2DH3_Ant1_Hop



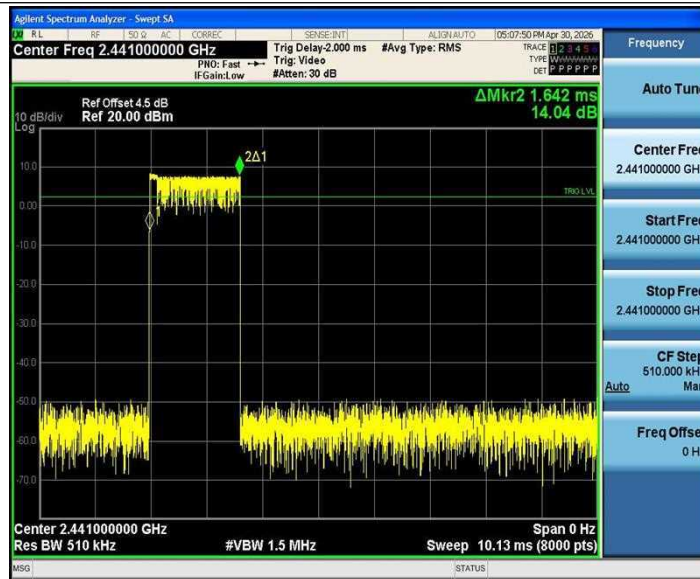
2DH5_Ant1_Hop



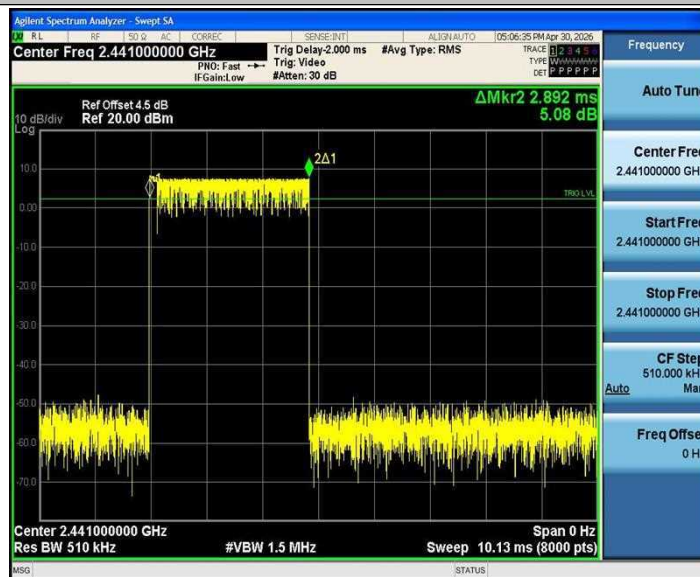
3DH1_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop

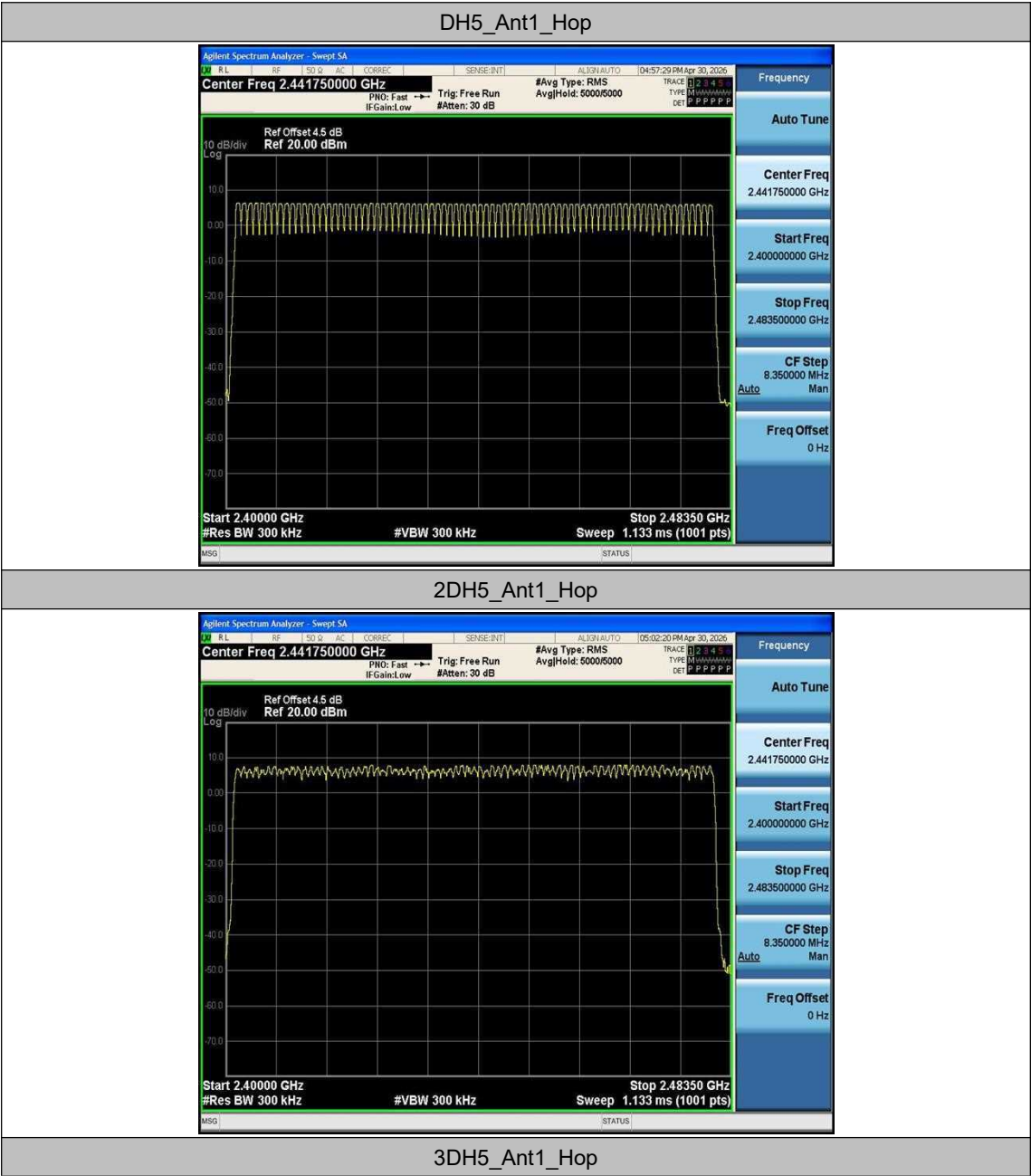


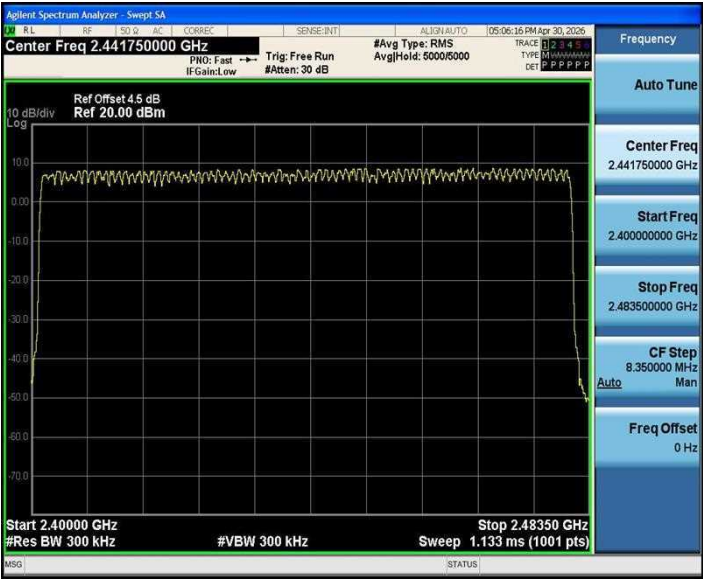
Appendix F: Number of hopping channels

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





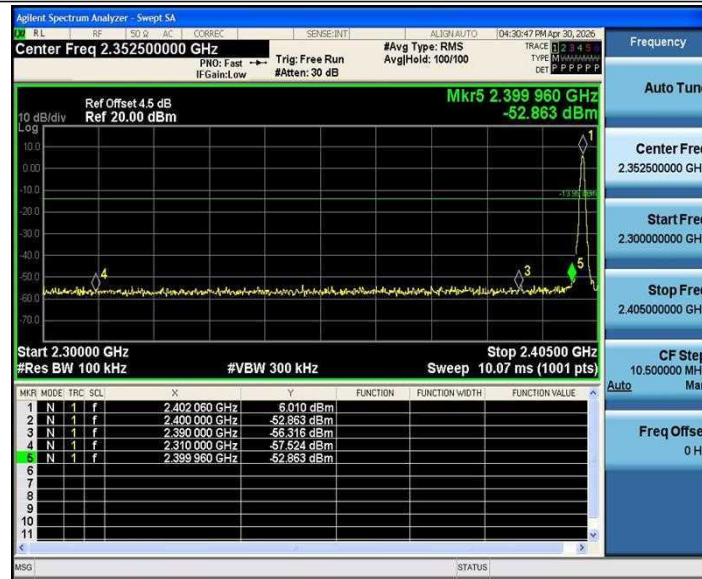
Appendix G: Band edge measurements

Test Result

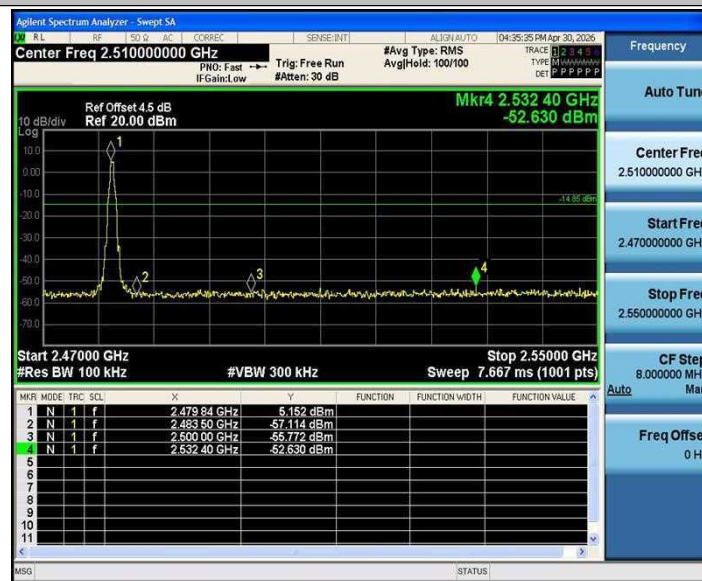
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	6.01	-52.86	≤-13.99	PASS
		High	2480	5.15	-52.63	≤-14.85	PASS
		Low	Hop_2402	7.27	-50.83	≤-12.73	PASS
		High	Hop_2480	7.74	-51.69	≤-12.26	PASS
2DH5	Ant1	Low	2402	6.94	-49.61	≤-13.06	PASS
		High	2480	6.75	-52.73	≤-13.25	PASS
		Low	Hop_2402	8.05	-51.62	≤-11.95	PASS
		High	Hop_2480	7.98	-52.22	≤-12.02	PASS
3DH5	Ant1	Low	2402	4.66	-49.25	≤-15.34	PASS
		High	2480	7.68	-52.61	≤-12.32	PASS
		Low	Hop_2402	8.24	-49.75	≤-11.76	PASS
		High	Hop_2480	7.95	-51.85	≤-12.05	PASS

Test Graphs

DH5_Ant1_Low_2402



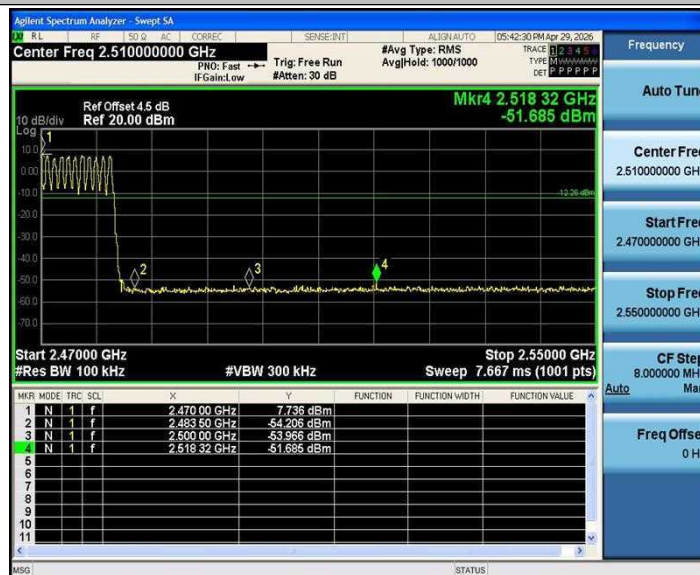
DH5_Ant1_High_2480



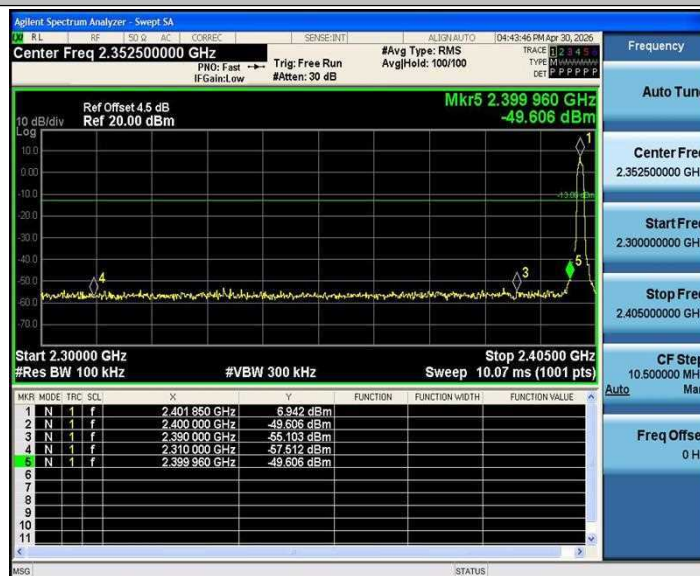
DH5_Ant1_Low_Hop_2402



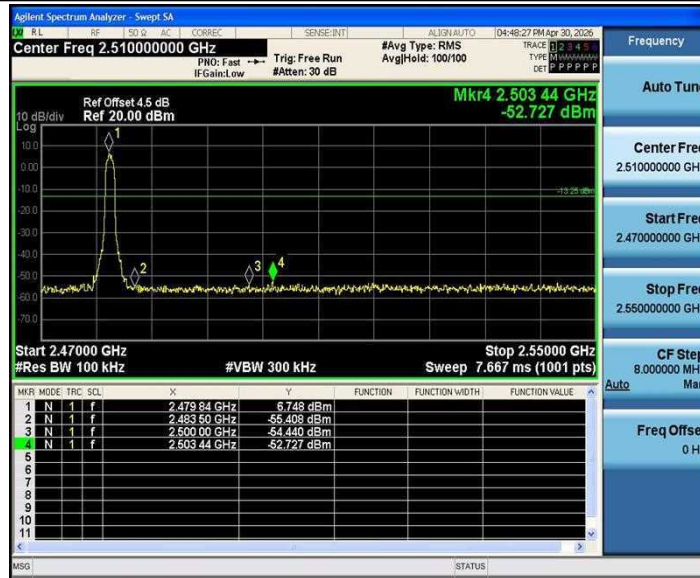
DH5_Ant1_High_Hop_2480



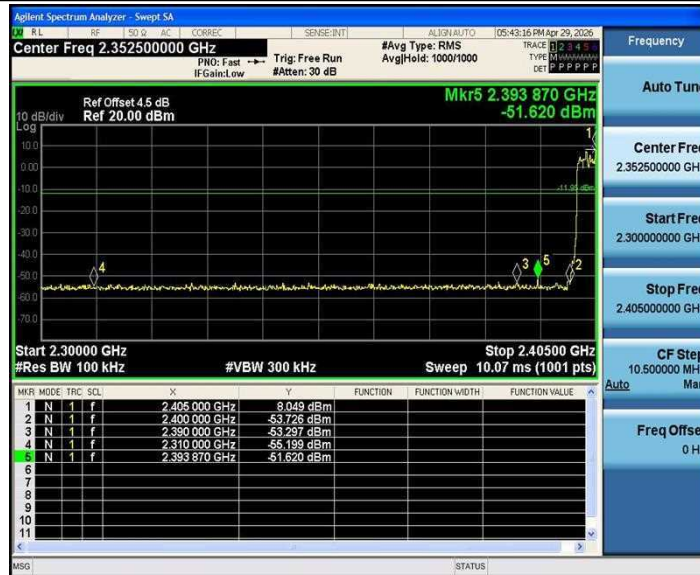
2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



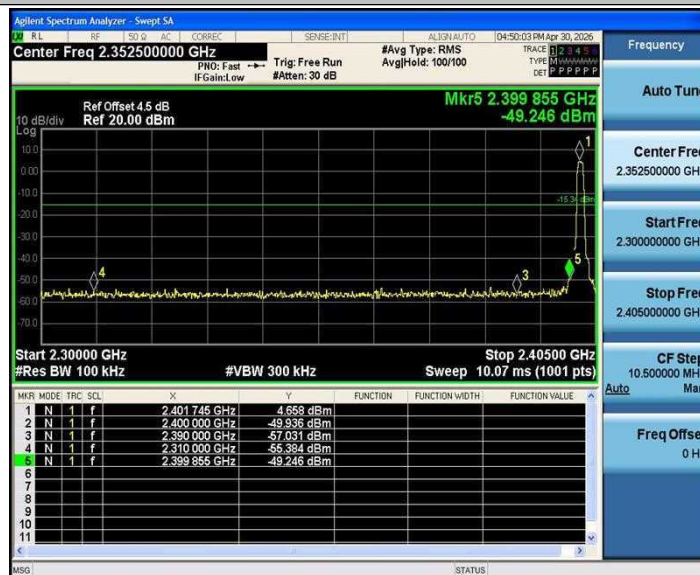
2DH5_Ant1_Low_Hop_2402



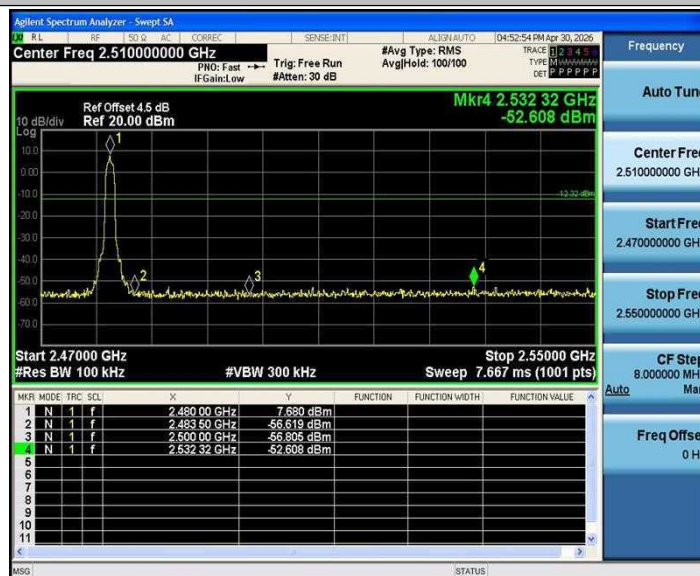
2DH5_Ant1_High_Hop_2480



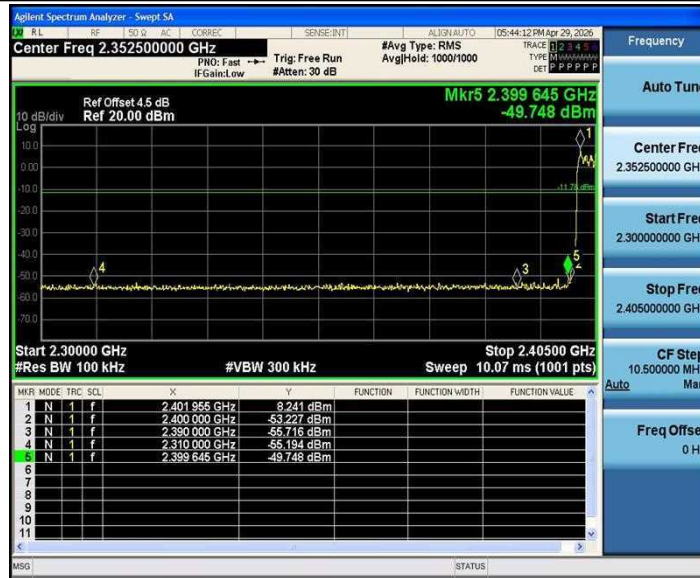
3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

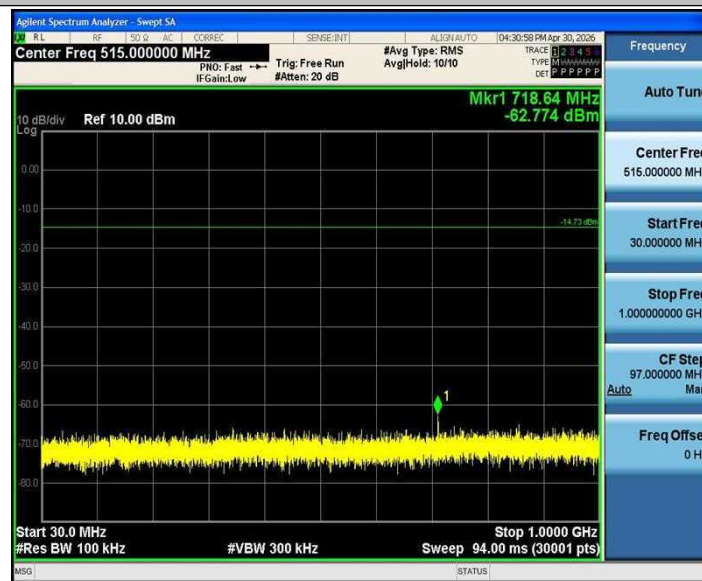
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	5.27	5.27	---	PASS
			30~1000	5.27	-62.77	≤-14.73	PASS
			1000~26500	5.27	-48.94	≤-14.73	PASS
		2441	Reference	5.48	5.48	---	PASS
			30~1000	5.48	-64.59	≤-14.52	PASS
			1000~26500	5.48	-49.58	≤-14.52	PASS
		2480	Reference	4.83	4.83	---	PASS
			30~1000	4.83	-65.44	≤-15.17	PASS
			1000~26500	4.83	-50.17	≤-15.17	PASS
2DH5	Ant1	2402	Reference	6.58	6.58	---	PASS
			30~1000	6.58	-64.8	≤-13.42	PASS
			1000~26500	6.58	-50.36	≤-13.42	PASS
		2441	Reference	6.79	6.79	---	PASS
			30~1000	6.79	-64.41	≤-13.21	PASS
			1000~26500	6.79	-49.32	≤-13.21	PASS
		2480	Reference	7.12	7.12	---	PASS
			30~1000	7.12	-65.07	≤-12.88	PASS
			1000~26500	7.12	-50.14	≤-12.88	PASS
3DH5	Ant1	2402	Reference	6.82	6.82	---	PASS
			30~1000	6.82	-64.89	≤-13.18	PASS
			1000~26500	6.82	-50.39	≤-13.18	PASS
		2441	Reference	6.56	6.56	---	PASS
			30~1000	6.56	-65.12	≤-13.44	PASS
			1000~26500	6.56	-50.01	≤-13.44	PASS
		2480	Reference	7.80	7.80	---	PASS
			30~1000	7.80	-63.68	≤-12.2	PASS
			1000~26500	7.80	-50.73	≤-12.2	PASS

Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



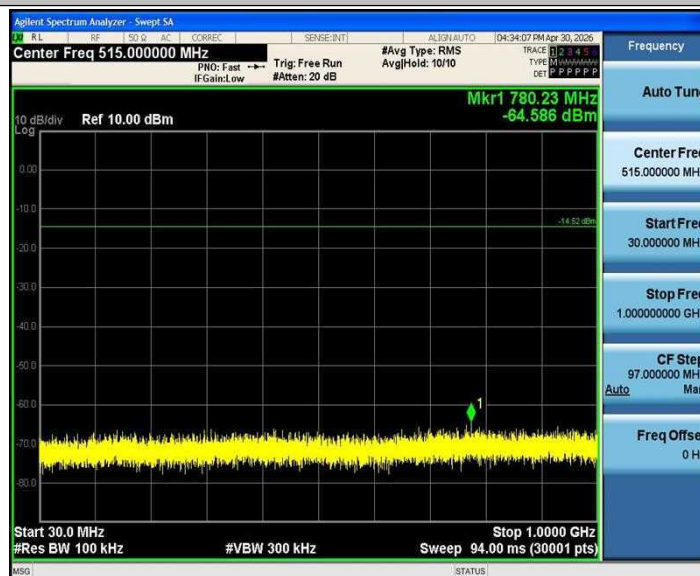
DH5_Ant1_2402_1000~26500



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



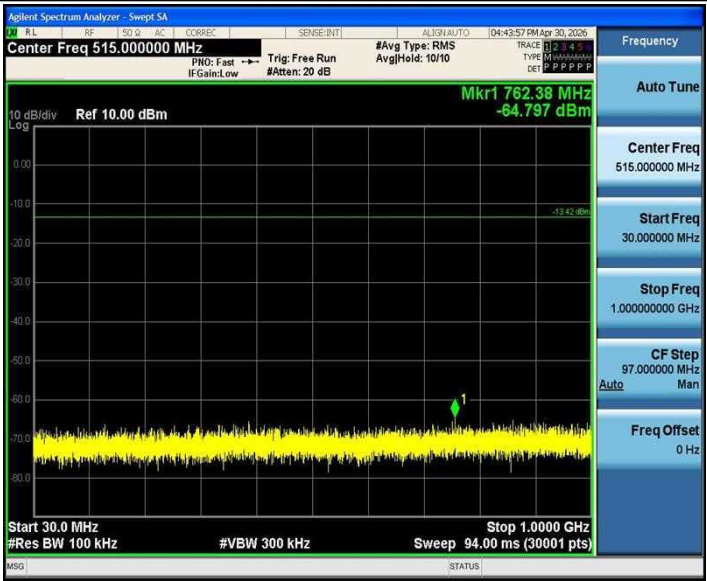
DH5_Ant1_2480_1000~26500



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



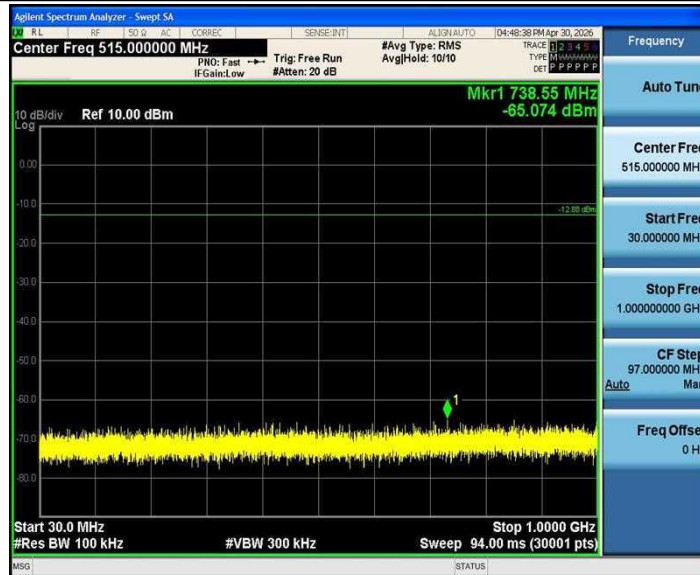
2DH5 Ant1 2441 1000~26500



2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



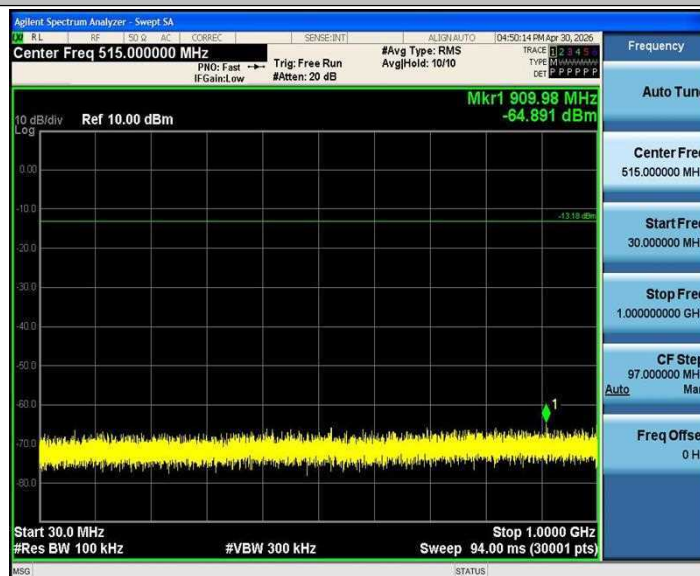
2DH5_Ant1_2480_1000~26500



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



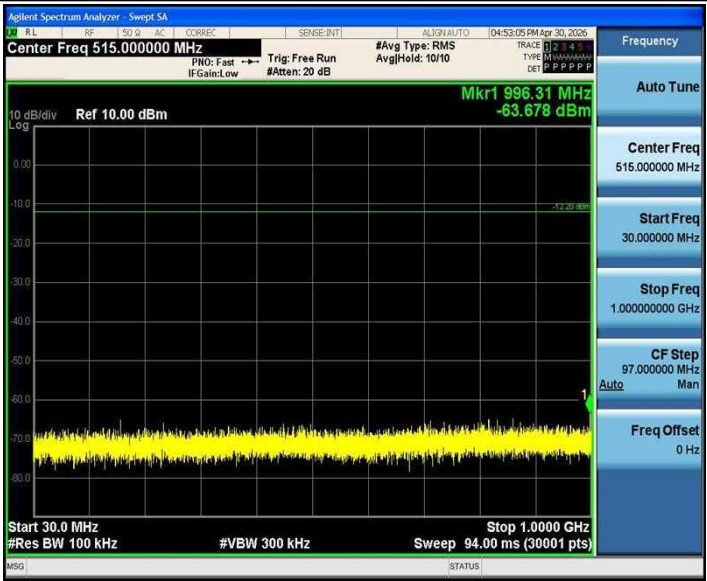
3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.88	3.74	77.01	1.13	---	---
		2441	2.89	3.75	77.07	1.13	---	---
		2480	2.88	3.74	77.01	1.13	---	---
2DH5	Ant1	2402	2.89	3.75	77.07	1.13	---	---
		2441	2.89	3.74	77.27	1.12	---	---
		2480	2.89	3.75	77.07	1.13	---	---
3DH5	Ant1	2402	2.89	3.75	77.07	1.13	---	---
		2441	2.90	3.75	77.33	1.12	---	---
		2480	2.90	3.76	77.13	1.13	---	---

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

