

Appendix for BT EDR

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1. 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.556	2402.516	---	---
DH5	Ant1	2441	0.960	2440.550	2441.510	---	---
DH5	Ant1	2480	0.948	2479.562	2480.510	---	---
2DH5	Ant1	2441	1.335	2440.355	2441.690	---	---
2DH5	Ant1	2480	1.284	2479.394	2480.678	---	---
3DH5	Ant1	2402	1.281	2401.385	2402.666	---	---
3DH5	Ant1	2441	1.281	2440.379	2441.660	---	---
3DH5	Ant1	2480	1.293	2479.376	2480.669	---	---
2DH5	Ant1	2402	1.287	2401.388	2402.675	---	---

Test Graphs

DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480



2DH5-Ant1-2441



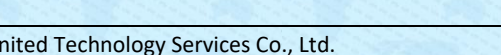
2DH5-Ant1-2480



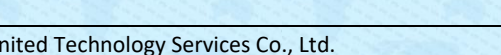
3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480





2DH5-Ant1-2402

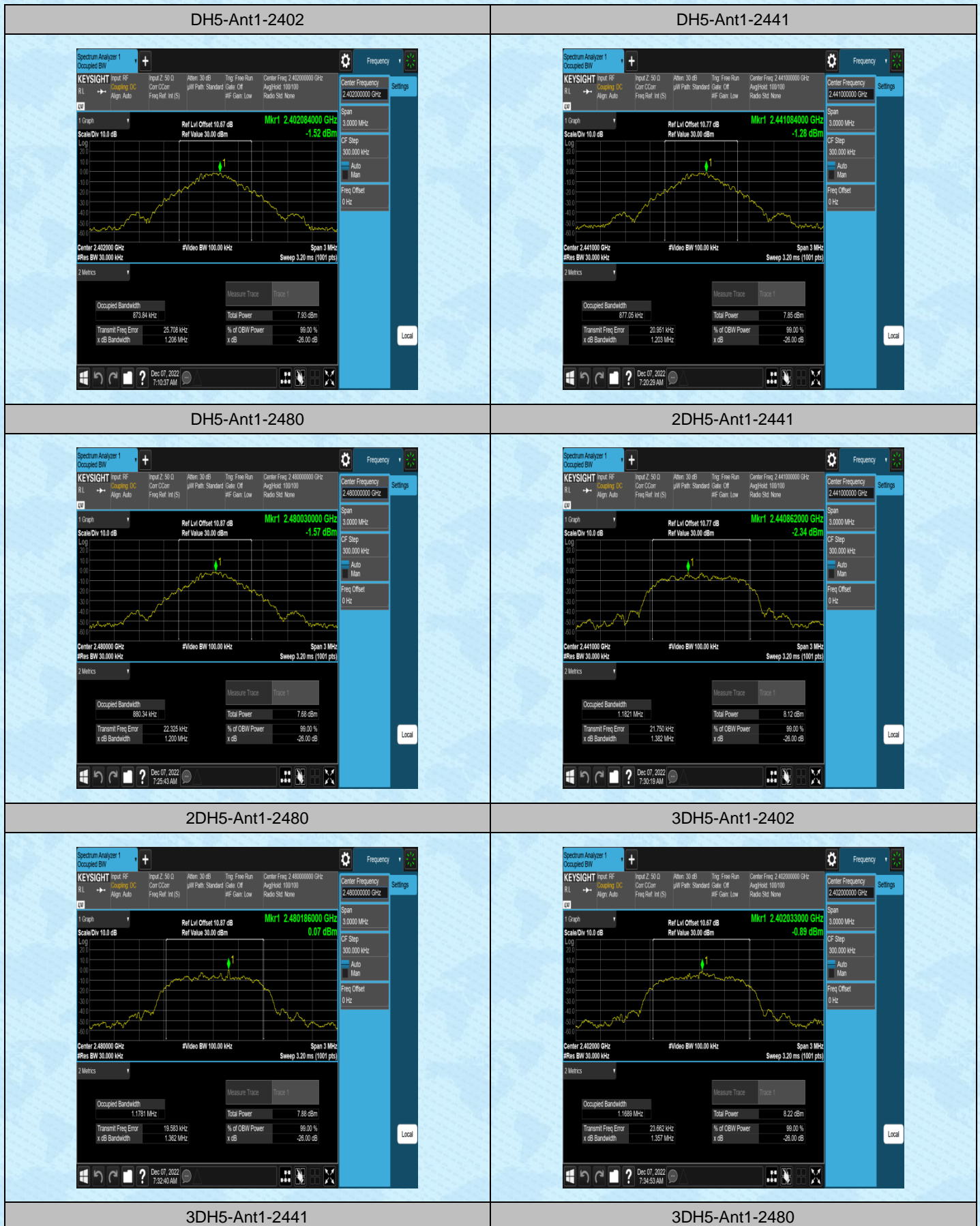


2. Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87384	2401.5888	2402.4626	---	---
DH5	Ant1	2441	0.87705	2440.5824	2441.4595	---	---
DH5	Ant1	2480	0.88034	2479.5822	2480.4625	---	---
2DH5	Ant1	2441	1.1821	2440.4307	2441.6128	---	---
2DH5	Ant1	2480	1.1781	2479.4305	2480.6086	---	---
3DH5	Ant1	2402	1.1689	2401.4392	2402.6081	---	---
3DH5	Ant1	2441	1.1734	2440.4345	2441.6079	---	---
3DH5	Ant1	2480	1.1632	2479.4387	2480.6019	---	---
2DH5	Ant1	2402	1.1687	2401.4348	2402.6035	---	---

Test Graphs





2DH5-Ant1-2402



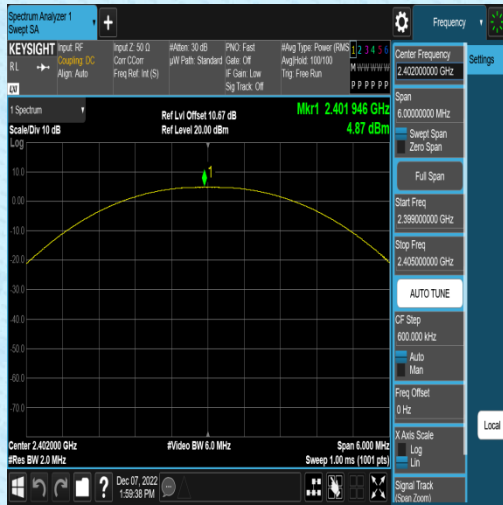
3. Maximum conducted output power

Test Result Peak

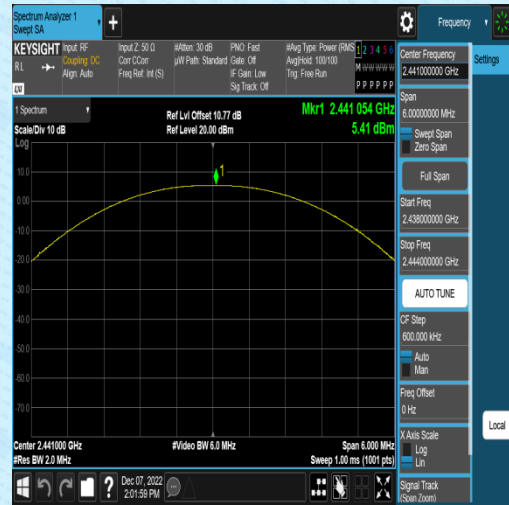
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Limit[dBm]	EIRP (dBm)	EIRP Limit[dBm]	Verdict
DH5	Ant1	2402	4.87	<=30	6.91	<=36	PASS
DH5	Ant1	2441	5.41	<=30	7.45	<=36	PASS
DH5	Ant1	2480	4.93	<=30	6.97	<=36	PASS
2DH5	Ant1	2402	3.57	<=20.97	5.61	<=36	PASS
2DH5	Ant1	2441	4.12	<=20.97	6.16	<=36	PASS
2DH5	Ant1	2480	3.66	<=20.97	5.70	<=36	PASS
3DH5	Ant1	2402	4.09	<=20.97	6.13	<=36	PASS
3DH5	Ant1	2441	4.64	<=20.97	6.68	<=36	PASS
3DH5	Ant1	2480	4.10	<=20.97	6.14	<=36	PASS

Test Graphs

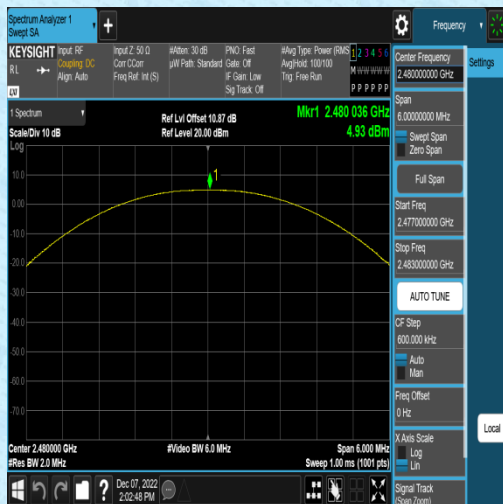
DH5-Ant1-2402



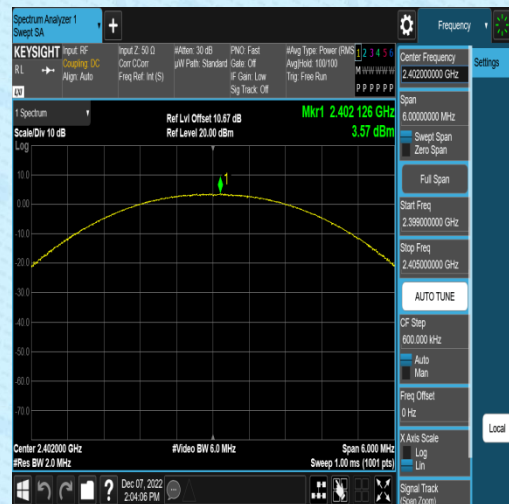
DH5-Ant1-2441



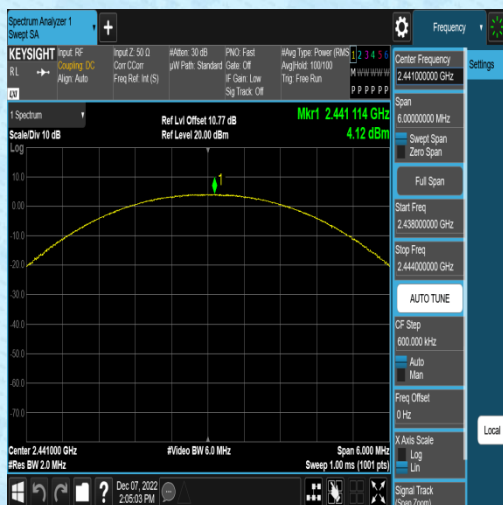
DH5-Ant1-2480



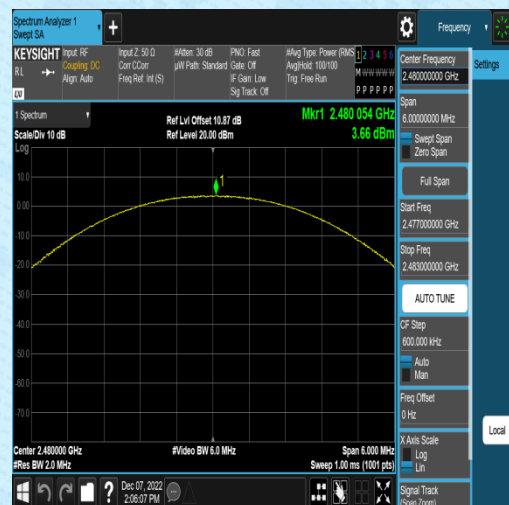
2DH5-Ant1-2402



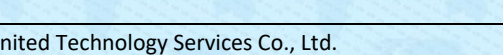
2DH5-Ant1-2441



2DH5-Ant1-2480

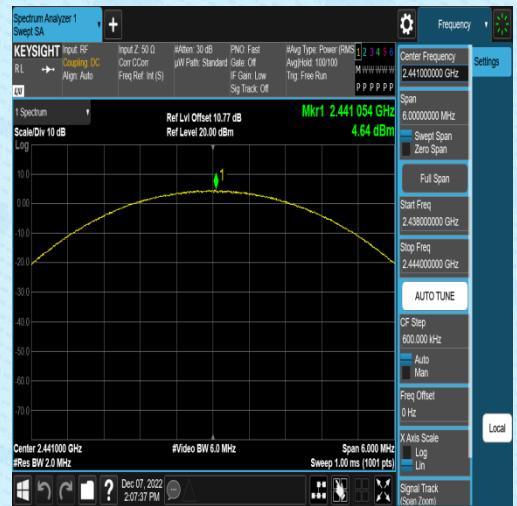
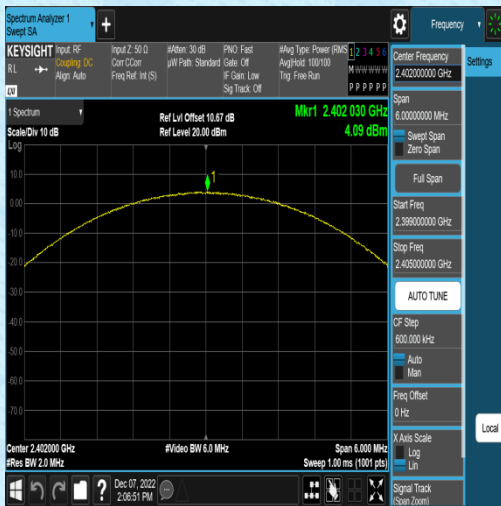


3DH5-Ant1-2402

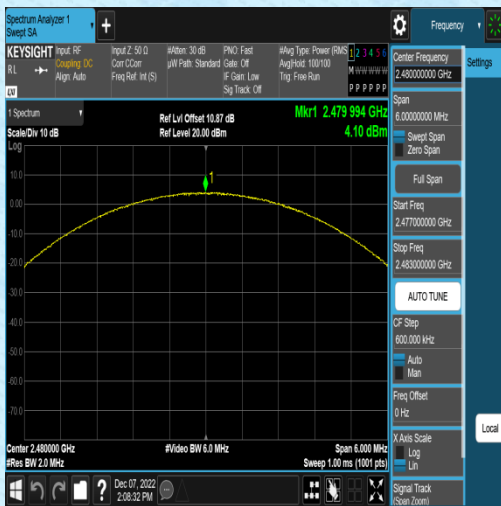


3DH5-Ant1-2441





3DH5-Ant1-2480

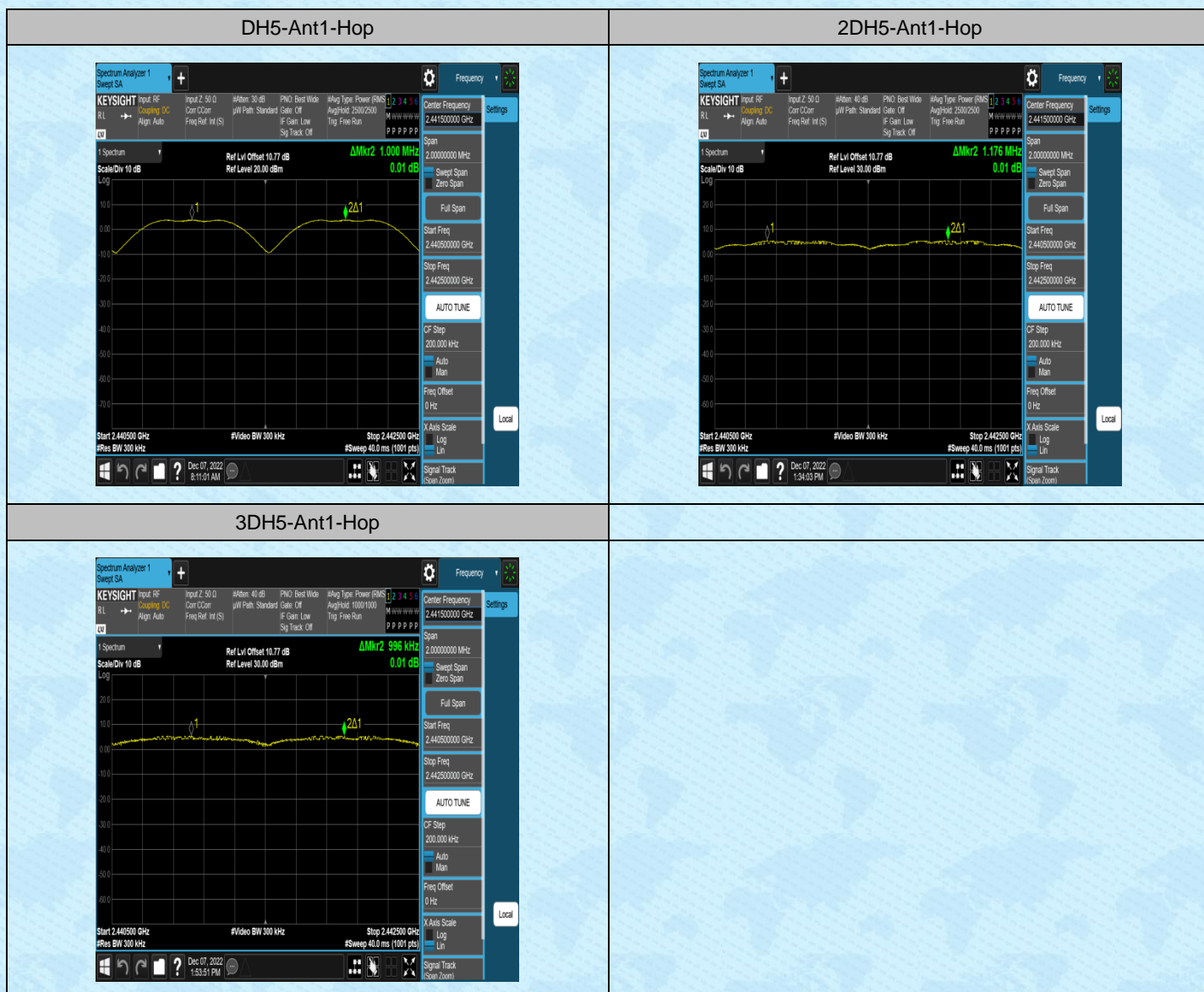


4. Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥0.960	PASS
2DH5	Ant1	Hop	1.176	≥0.890	PASS
3DH5	Ant1	Hop	0.996	≥0.862	PASS

Test Graphs



5. Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.891	106.67	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.638	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.892	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

Note:

DH5/2DH5/3DH5: TotalHops=1600/79/6*0.4*79

DH5/2DH5/3DH5: Time of occupancy= TotalHops * (BurstWidth) /1000

DH3/2DH3/3DH3: TotalHops=1600/79/4*0.4*79

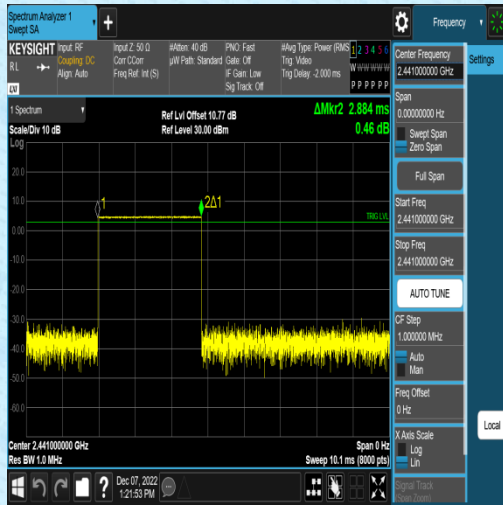
DH3/2DH3/3DH3: Time of occupancy= TotalHops * (BurstWidth) /1000

DH1/2DH1/3DH1: TotalHops=1600/79/2*0.4*79

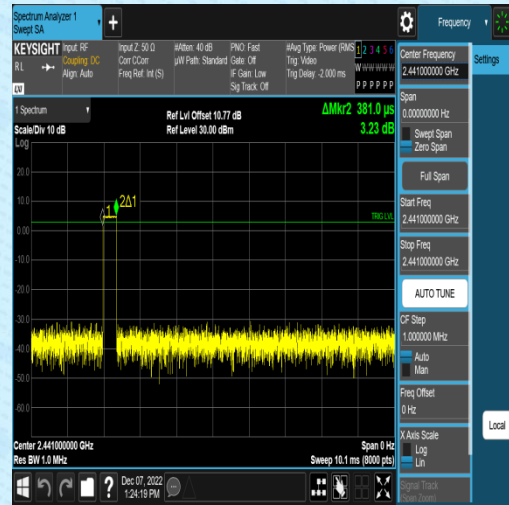
DH1/2DH1/3DH1: Time of occupancy= TotalHops * (BurstWidth) /1000

Test Graphs

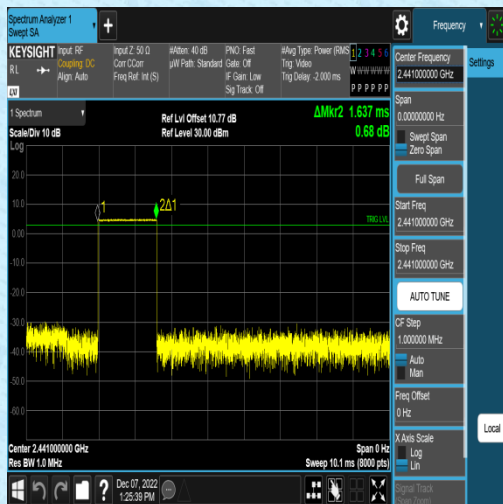
DH5-Ant1-Hop



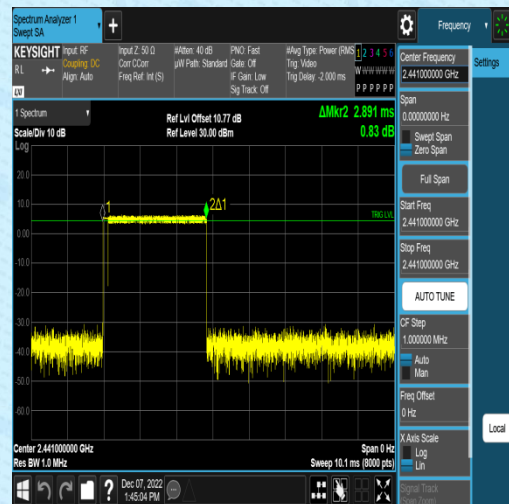
DH1-Ant1-Hop



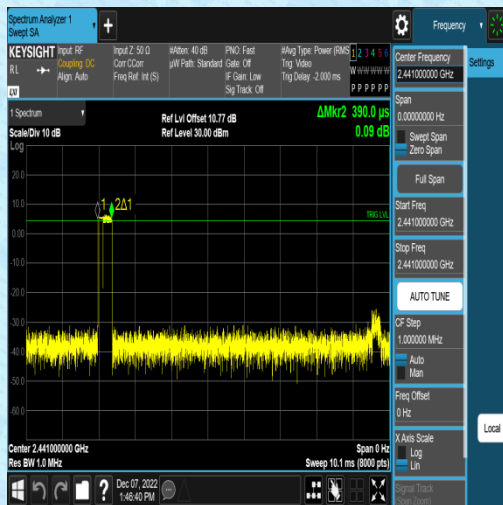
DH3-Ant1-Hop



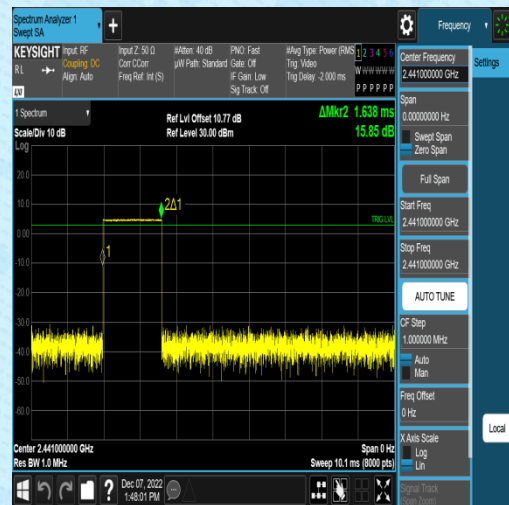
2DH5-Ant1-Hop



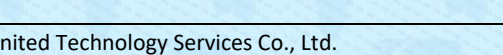
2DH1-Ant1-Hop



2DH3-Ant1-Hop



3DH5-Ant1-Hop



3DH1-Ant1-Hop

