

Appendix for 15.247

1.20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.903	2401.529	2402.432	---	---
DH5	Ant1	2441	0.930	2440.544	2441.474	---	---
DH5	Ant1	2480	0.789	2479.562	2480.351	---	---
2DH5	Ant1	2402	1.302	2401.337	2402.639	---	---
2DH5	Ant1	2441	1.302	2440.337	2441.639	---	---
2DH5	Ant1	2480	1.299	2479.337	2480.636	---	---
3DH5	Ant1	2402	1.266	2401.364	2402.630	---	---
3DH5	Ant1	2441	1.281	2440.352	2441.633	---	---
3DH5	Ant1	2480	1.257	2479.370	2480.627	---	---

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

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2.Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.77306	2401.5626	2402.3356	---	---
DH5	Ant1	2441	0.86856	2440.5513	2441.4199	---	---
DH5	Ant1	2480	0.89044	2479.5540	2480.4445	---	---
2DH5	Ant1	2402	1.2143	2401.3788	2402.5931	---	---
2DH5	Ant1	2441	1.2176	2440.3755	2441.5931	---	---
2DH5	Ant1	2480	1.2150	2479.3775	2480.5925	---	---
3DH5	Ant1	2402	1.1126	2401.4341	2402.5467	---	---
3DH5	Ant1	2441	1.0920	2440.4383	2441.5303	---	---
3DH5	Ant1	2480	1.1237	2479.4384	2480.5621	---	---

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

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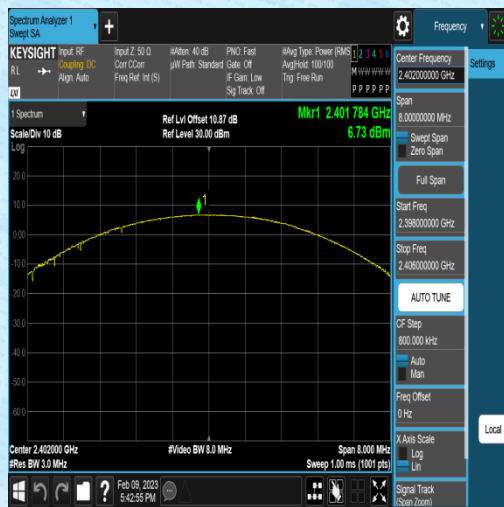
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3.Maximum conducted output power

Test Result

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
DH5	Ant1	2402	6.73	≤30	10.83	≤36.00	PASS
DH5	Ant1	2441	6.94	≤30	11.04	≤36.00	PASS
DH5	Ant1	2480	6.97	≤30	11.07	≤36.00	PASS
2DH5	Ant1	2402	8.73	≤20.97	12.83	≤36.00	PASS
2DH5	Ant1	2441	9.06	≤20.97	13.16	≤36.00	PASS
2DH5	Ant1	2480	9.15	≤20.97	13.25	≤36.00	PASS
3DH5	Ant1	2402	8.68	≤20.97	12.78	≤36.00	PASS
3DH5	Ant1	2441	9.09	≤20.97	13.19	≤36.00	PASS
3DH5	Ant1	2480	9.13	≤20.97	13.23	≤36.00	PASS

Test Graphs



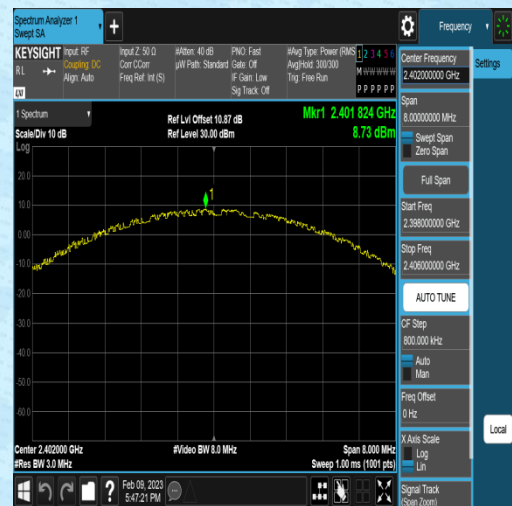
DH5-Ant1-2402



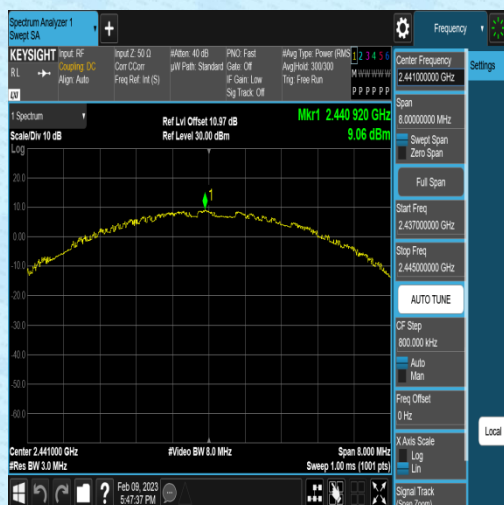
DH5-Ant1-2441



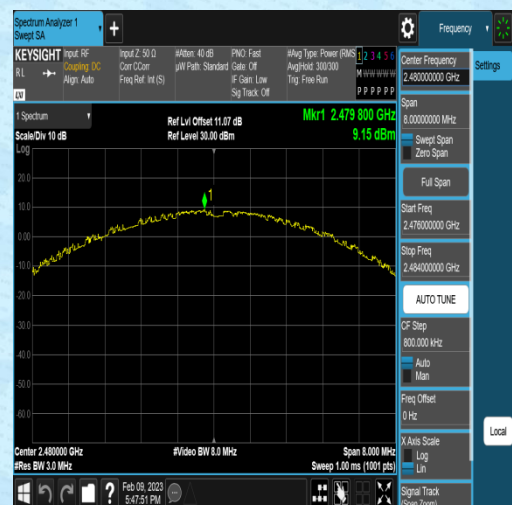
DH5-Ant1-2480



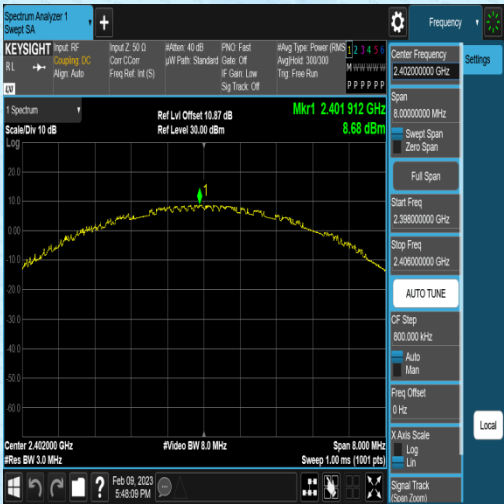
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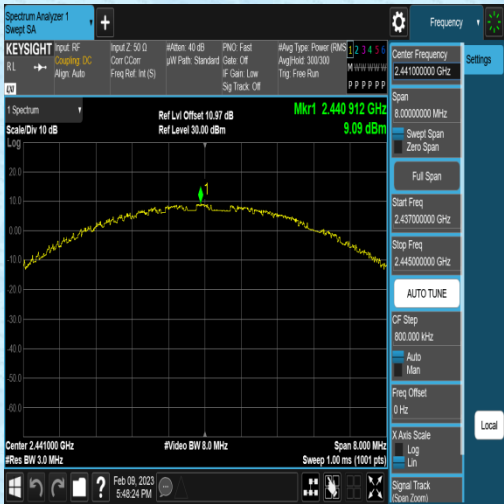
2DH5-Ant1-2441



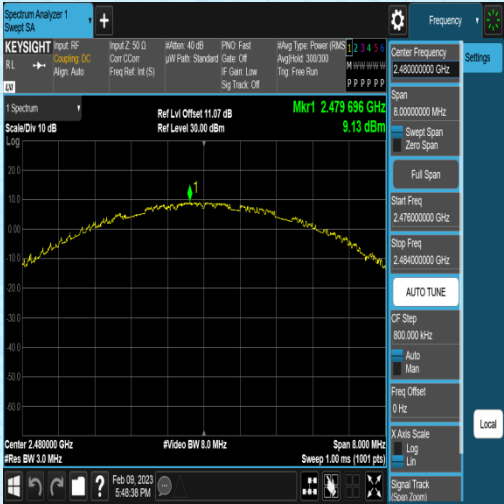
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

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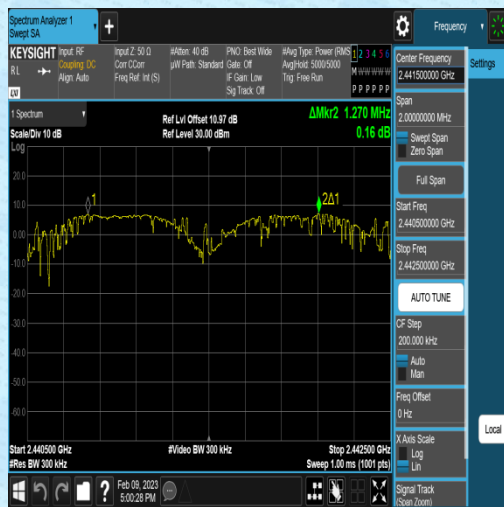
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4.Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2DH5	Ant1	Hop	1.27	≥ 0.868	PASS
DH5	Ant1	Hop	1.326	≥ 0.930	PASS
3DH5	Ant1	Hop	1.028	≥ 0.854	PASS

Test Graphs



2DH5-Ant1-Hop



DH5-Ant1-Hop



3DH5-Ant1-Hop

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5.Time of occupancy

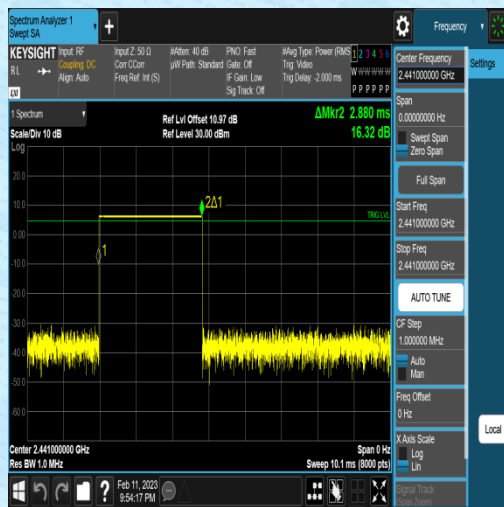
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
DH1	Ant1	Hop	0.376	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.633	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.883	106.67	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.635	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.635	160	0.262	≤0.4	PASS

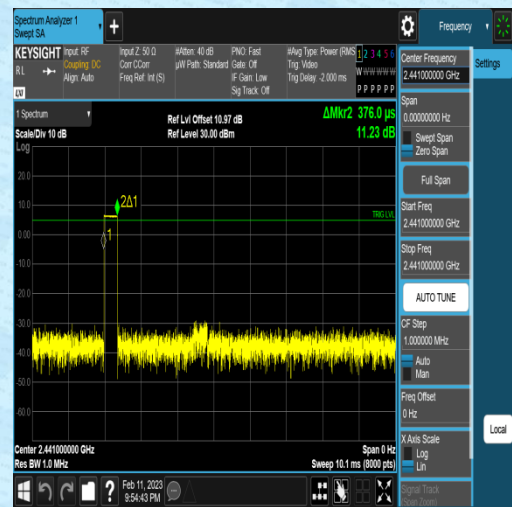
Note:

DH5/2DH5/3DH5	TotalHops=1600/79/6*0.4*79 Time of occupancy=TotalHops*(BurstWidth)/1000
DH3/2DH3/3DH3	TotalHops=1600/79/4*0.4*79 Time of occupancy=TotalHops*(BurstWidth)/1000
DH1/2DH1/3DH1	TotalHops=1600/79/2*0.4*79 Time of occupancy=TotalHops*(BurstWidth)/1000

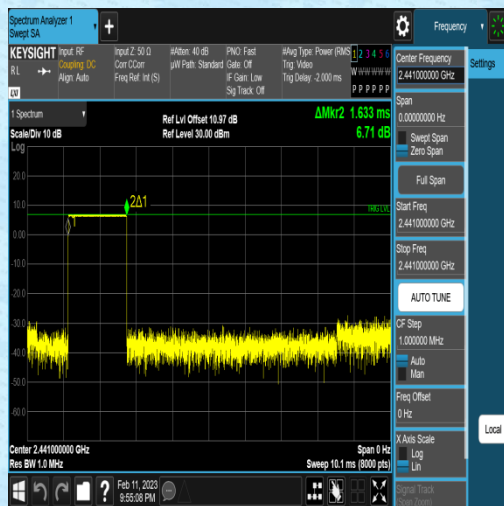
Test Graphs



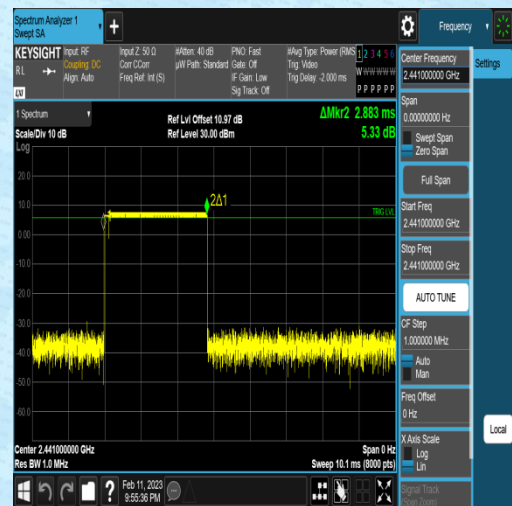
DH5-Ant1-Hop-2.880-106.67



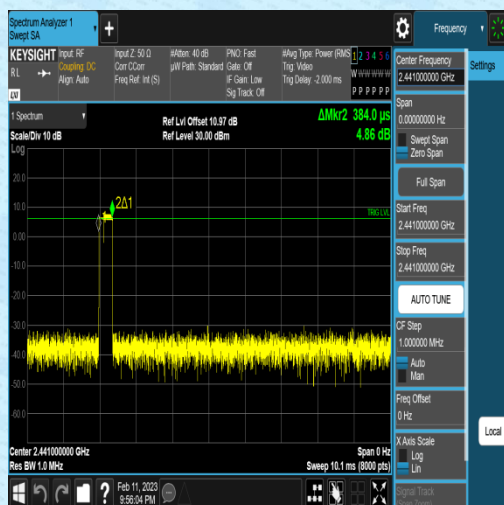
DH1-Ant1-Hop-0.376-320



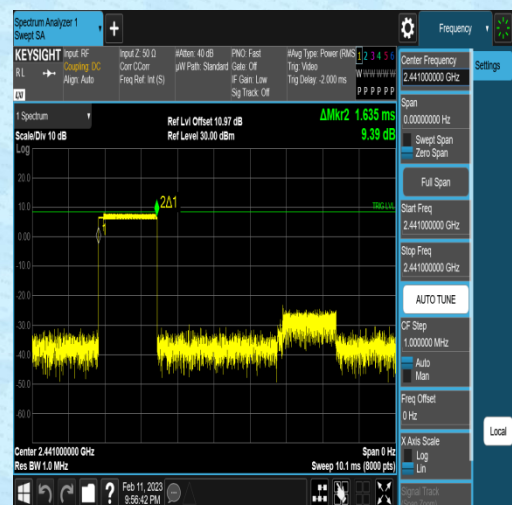
DH3-Ant1-Hop-1.633-160



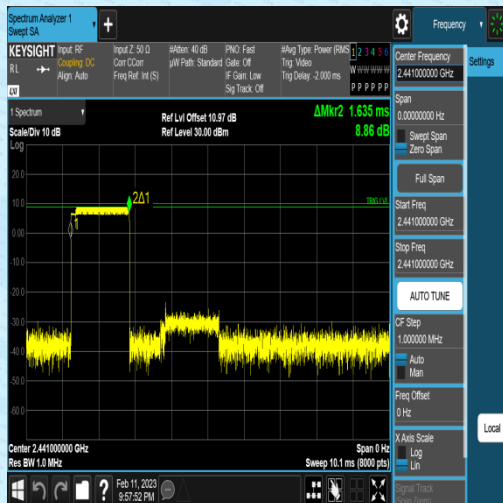
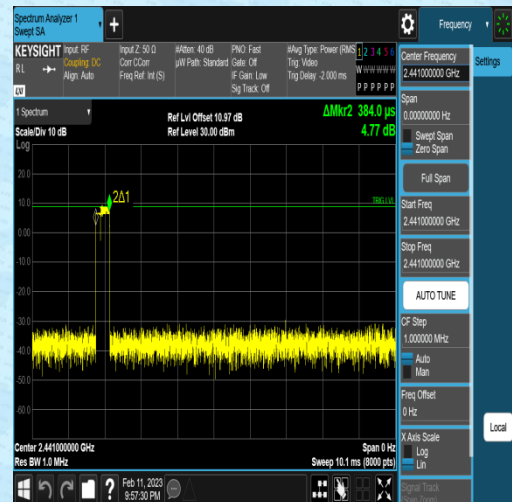
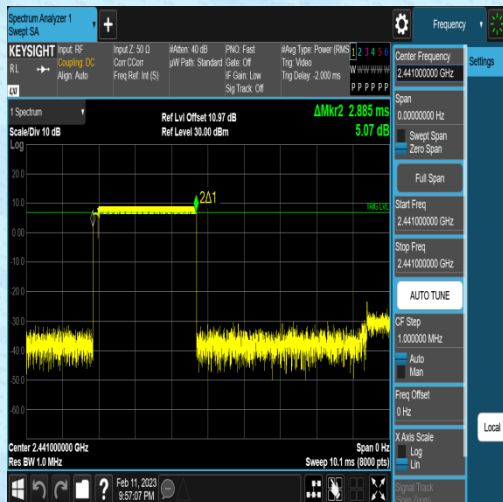
2DH5-Ant1-Hop-2.883-106.67



2DH1-Ant1-Hop-0.384-320



2DH3-Ant1-Hop-1.635-160



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