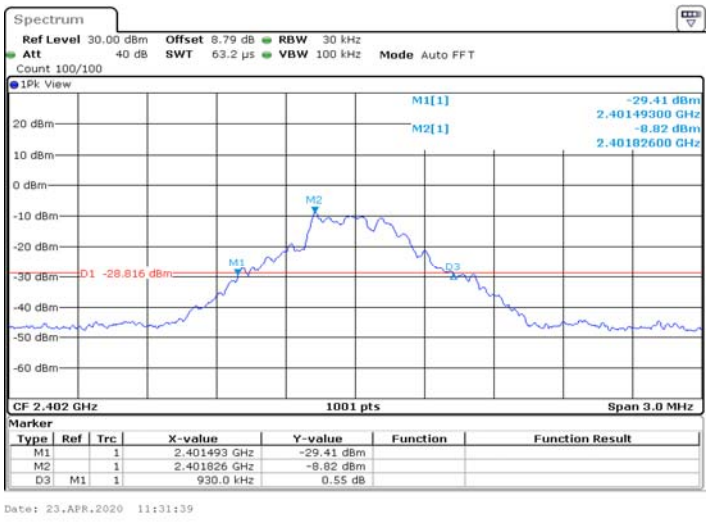
Appendix A: 20dB Emission Bandwidth

Test Result

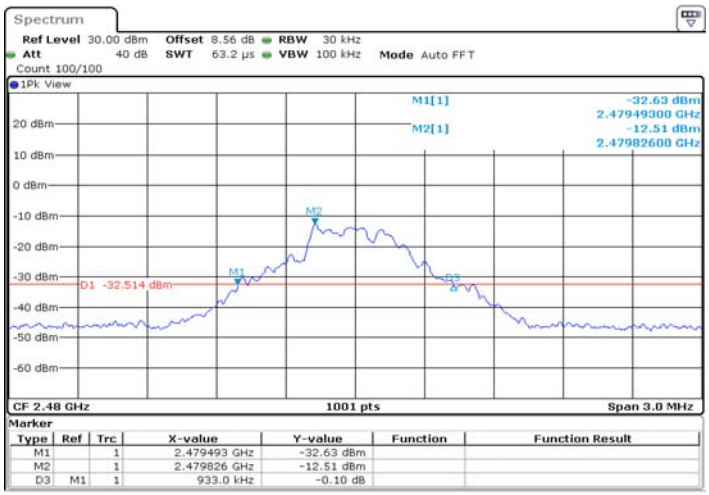
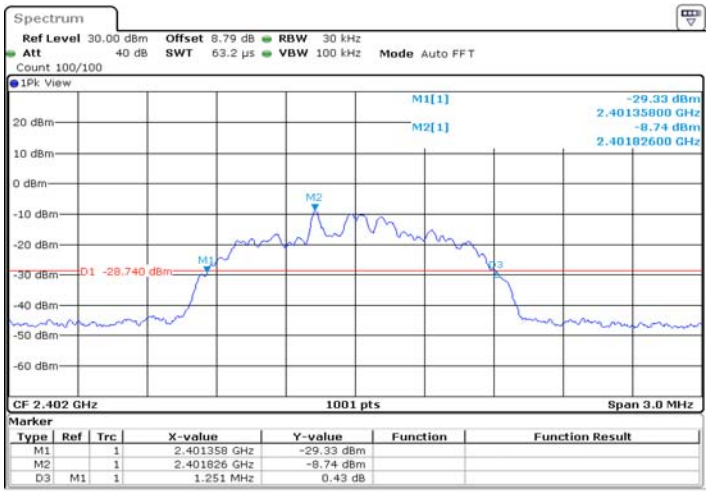
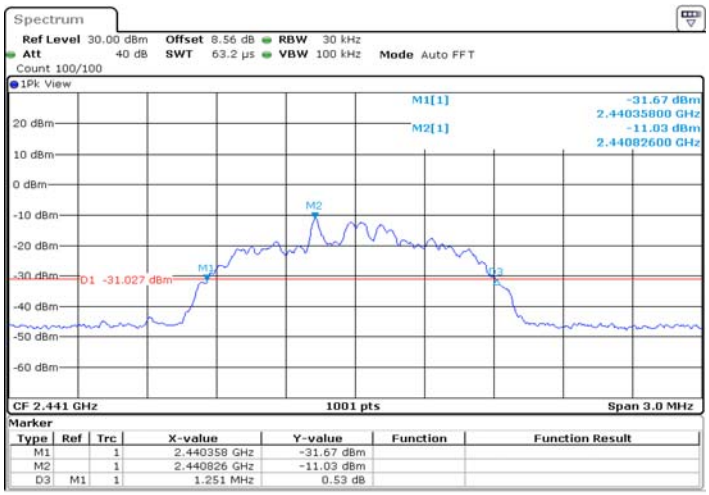
TestMode	Antenna	Channel	20db EBW[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.930	---	PASS
		2441	0.933	---	PASS
		2480	0.933	---	PASS
2DH1	Ant1	2402	1.251	---	PASS
		2441	1.251	---	PASS
		2480	1.254	---	PASS
3DH1	Ant1	2402	1.221	---	PASS
		2441	1.221	---	PASS
		2480	1.248	---	PASS

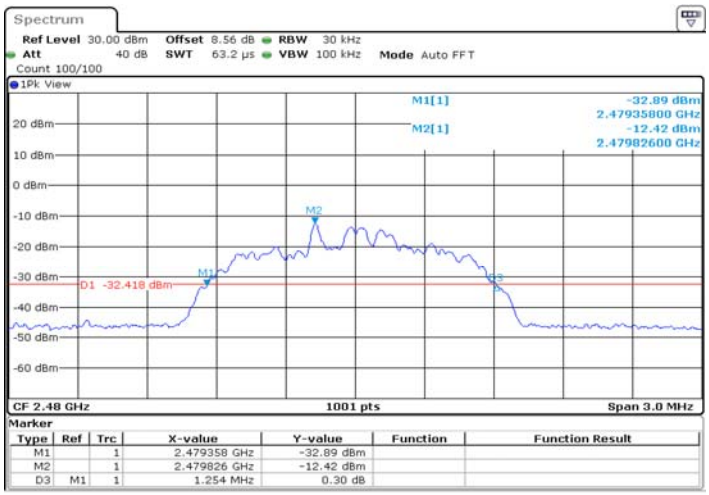
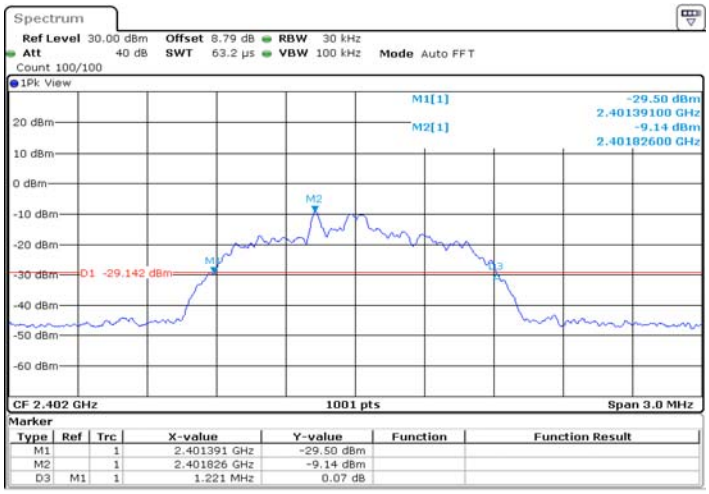
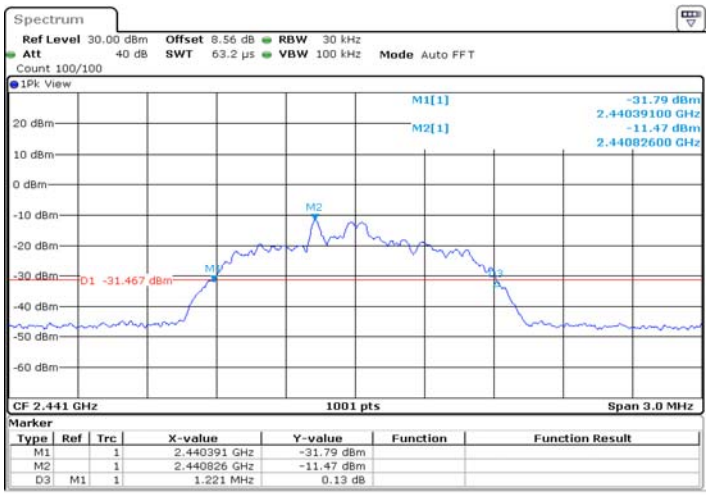
Test Graphs

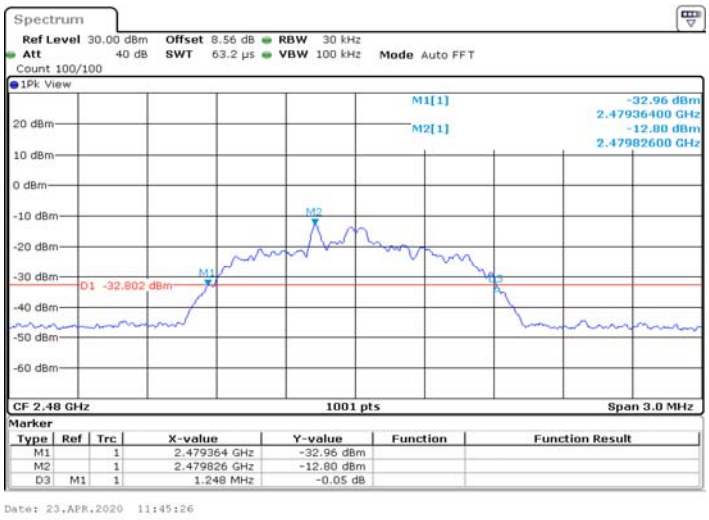
DH1_Ant1_2402



DH1_Ant1_2441

DH1_Ant1_2480

2DH1_Ant1_2402

2DH1_Ant1_2441


2DH1_Ant1_2480

3DH1_Ant1_2402

3DH1_Ant1_2441


3DH1_Ant1_2480


Appendix B: Maximum conducted Peak output power

Test Result

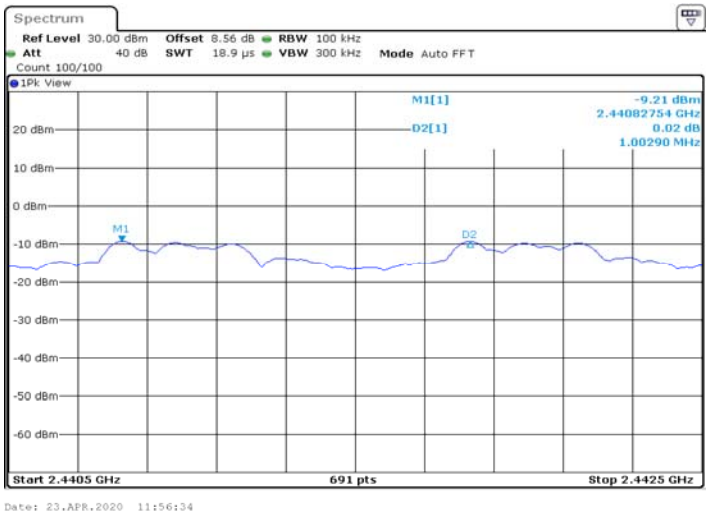
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	-5.85	<=20.97	PASS
		2441	-7.91	<=20.97	PASS
		2480	-9.09	<=20.97	PASS
2DH1	Ant1	2402	-5.46	<=20.97	PASS
		2441	-7.53	<=20.97	PASS
		2480	-8.85	<=20.97	PASS
3DH1	Ant1	2402	-4.84	<=20.97	PASS
		2441	-6.85	<=20.97	PASS
		2480	-8.26	<=20.97	PASS

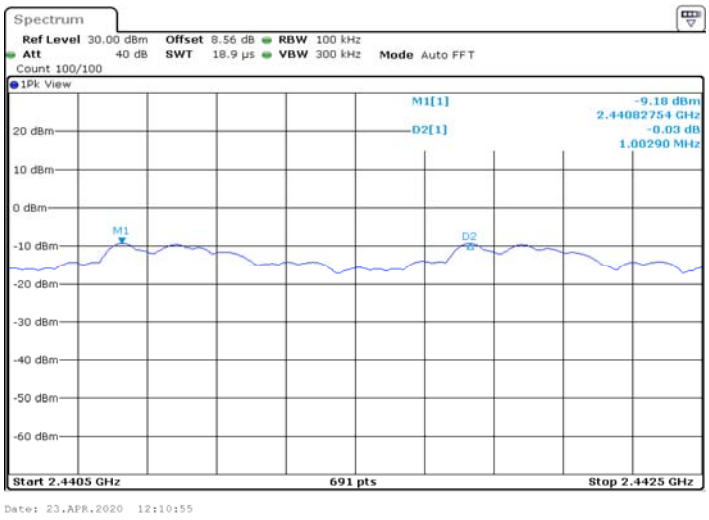
Appendix C: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.000	>=0.620	PASS
2DH1	Ant1	Hop	1.003	>=0.834	PASS
3DH1	Ant1	Hop	1.003	>=0.814	PASS

Test Graphs

DH1_Ant1_Hop
2DH1_Ant1_Hop


3DH1_Ant1_Hop


Appendix D: Time of occupancy

Test Result

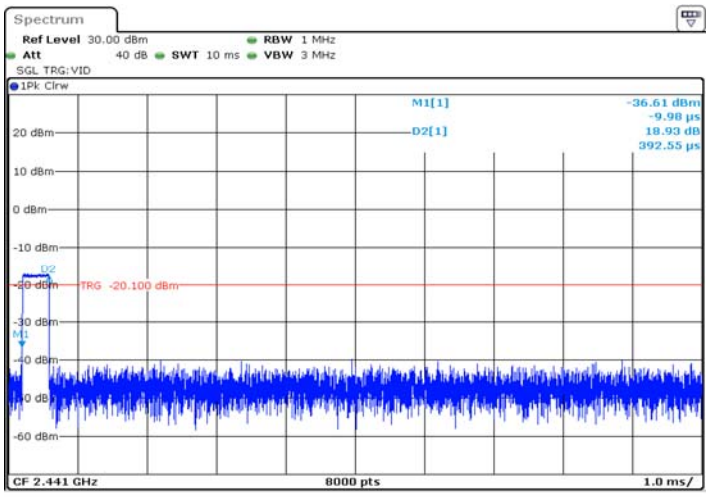
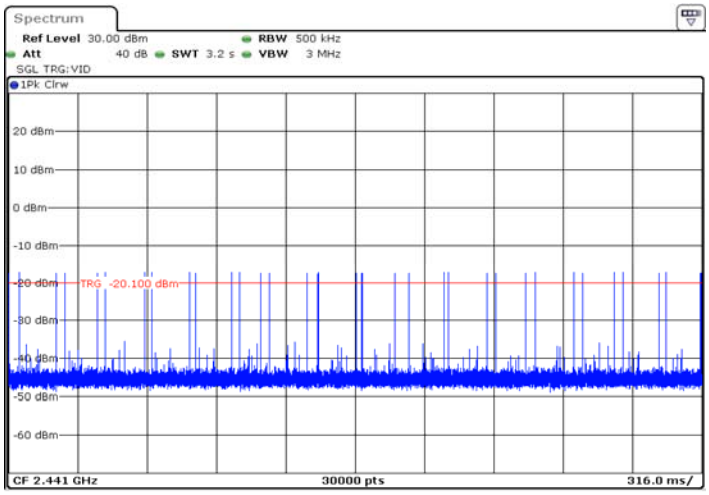
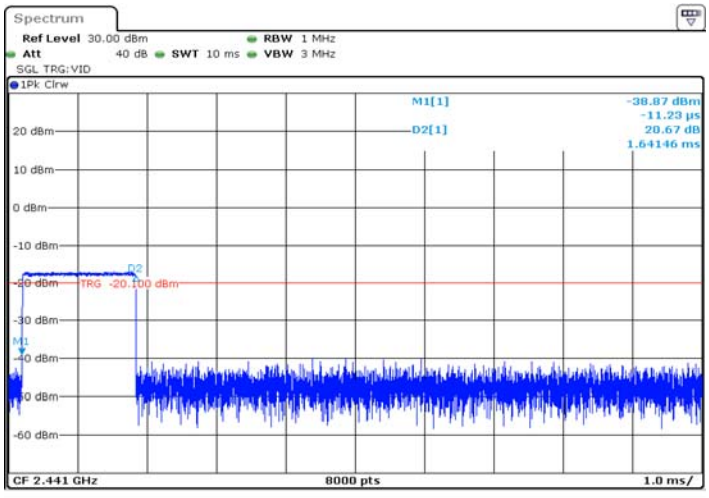
Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.39	330	0.130	<=0.4	PASS
DH3	Ant1	Hop	1.64	180	0.295	<=0.4	PASS
DH5	Ant1	Hop	2.88	120	0.346	<=0.4	PASS
2DH1	Ant1	Hop	0.40	330	0.133	<=0.4	PASS
2DH3	Ant1	Hop	1.65	160	0.263	<=0.4	PASS
2DH5	Ant1	Hop	2.89	100	0.289	<=0.4	PASS
3DH1	Ant1	Hop	0.40	330	0.133	<=0.4	PASS
3DH3	Ant1	Hop	1.65	140	0.231	<=0.4	PASS
3DH5	Ant1	Hop	2.89	110	0.318	<=0.4	PASS

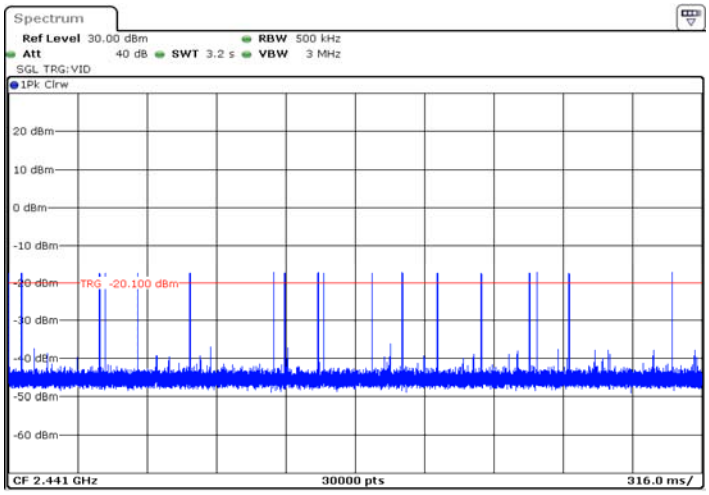
Note 1: A period time=0.4*79=31.6(S), Result= Burst Width* Total Hops

Note 2: Total Hops=Hopping Number in 3.16s*10

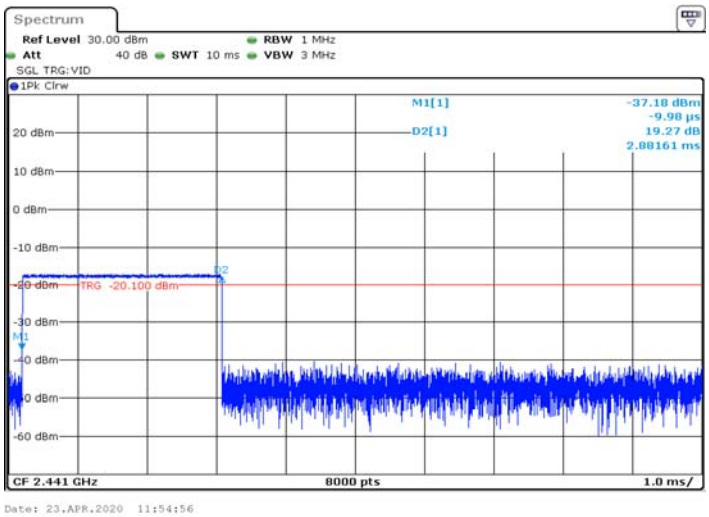
Note 3: Hopping Number in 3.16s=Total of highest signals in 3.16s (Second high signals were other channel)

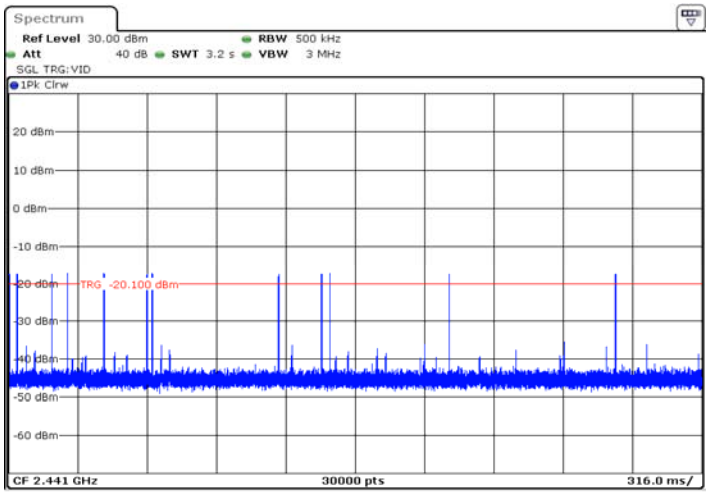
Test Graphs

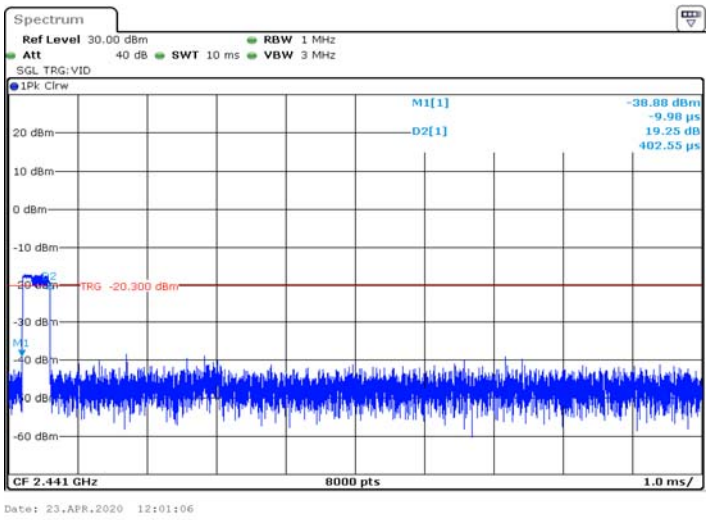
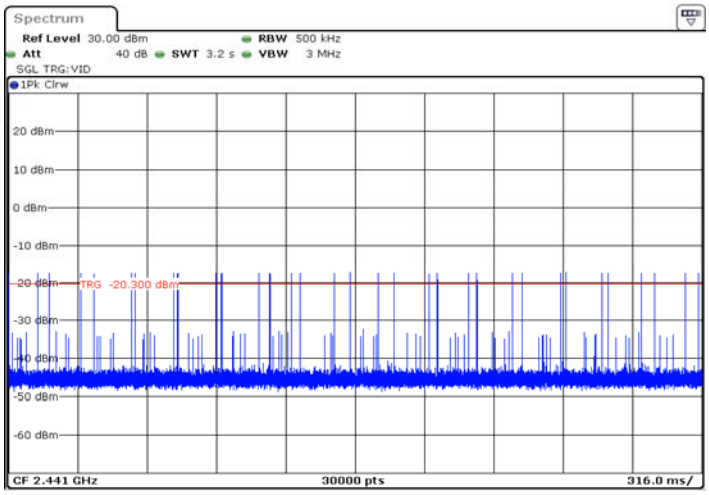
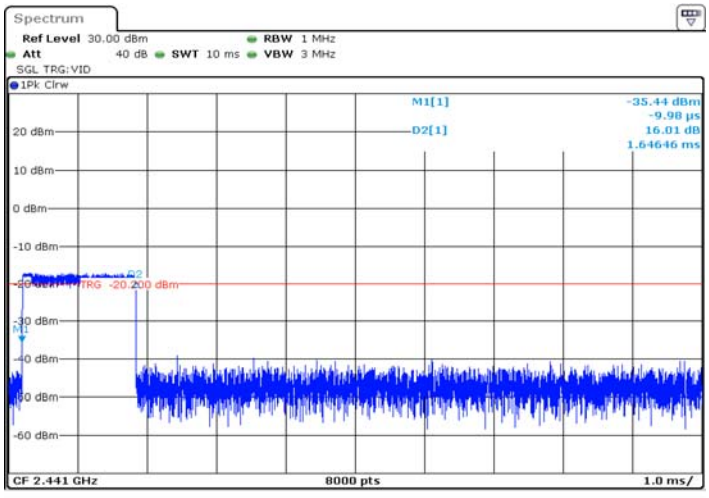
DH1_Ant1_Hop


DH3_Ant1_Hop


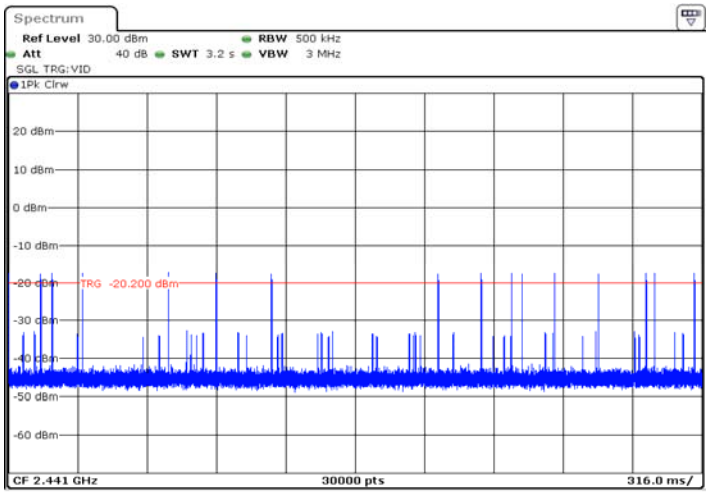

Spectrum
Ref Level 30.00 dBm
RBW 500 kHz
Att 40 dB SWT 3.2 s VBW 3 MHz
SGL TRG:VID
1Pk Clrw
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
TRG -20.100 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 2.441 GHz
30000 pts
316.0 ms/
Date: 23.APR.2020 11:51:10

DH5_Ant1_Hop


Spectrum
Ref Level 30.00 dBm
RBW 1 MHz
Att 40 dB SWT 10 ms VBW 3 MHz
SGL TRG:VID
1Pk Clrw
M1[1]
-37.18 dBm
-9.98 µs
D2[1]
19.27 dB
2.88161 ms
20 dBm
10 dBm
0 dBm
-10 dBm
D2
-20 dBm
TRG -20.100 dBm
-30 dBm
M1
-40 dBm
-50 dBm
-60 dBm
CF 2.441 GHz
8000 pts
1.0 ms/
Date: 23.APR.2020 11:54:56

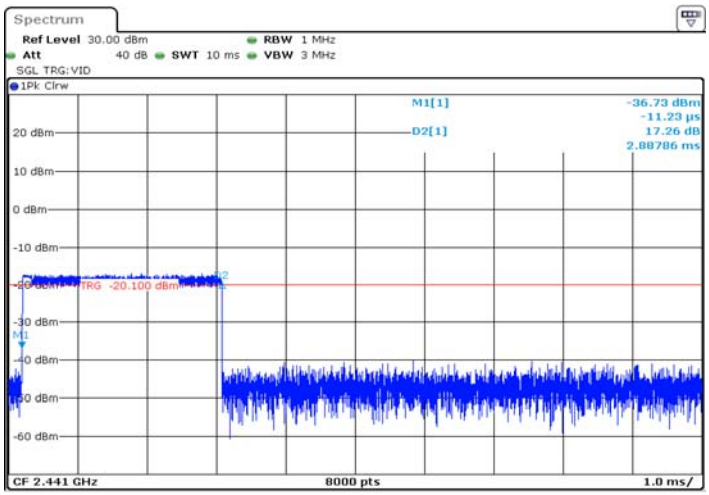

Spectrum
Ref Level 30.00 dBm
RBW 500 kHz
Att 40 dB SWT 3.2 s VBW 3 MHz
SGL TRG:VID
1Pk Clrw
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
TRG -20.100 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 2.441 GHz
30000 pts
316.0 ms/
Date: 23.APR.2020 11:55:02

2DH1_Ant1_Hop


2DH3_Ant1_Hop


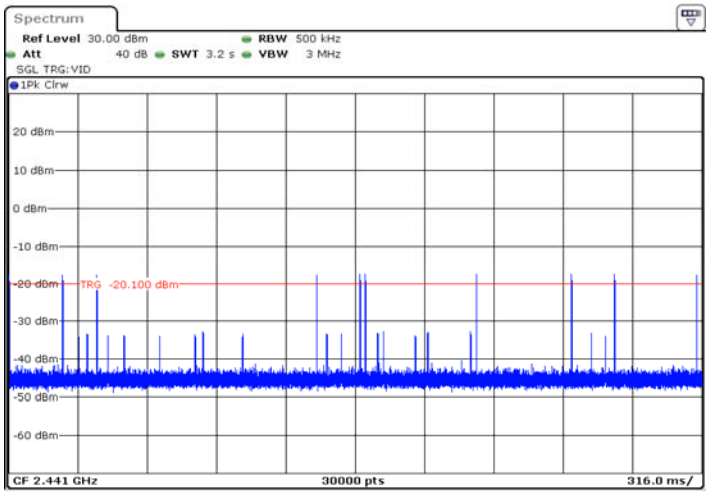


Date: 23.APR.2020 12:08:55

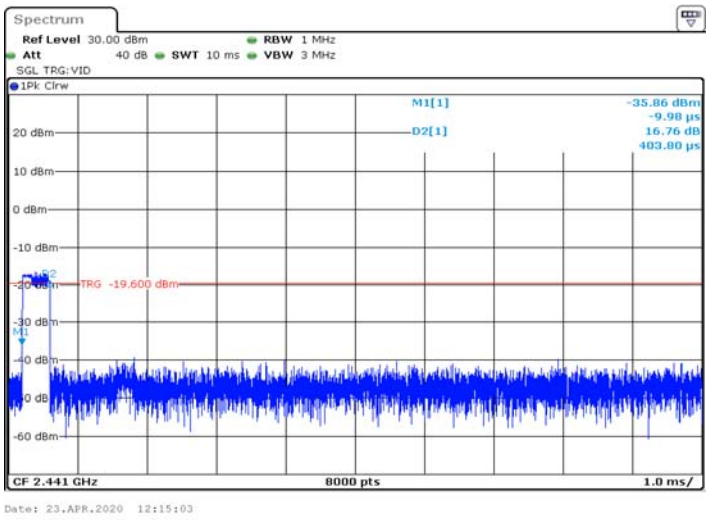
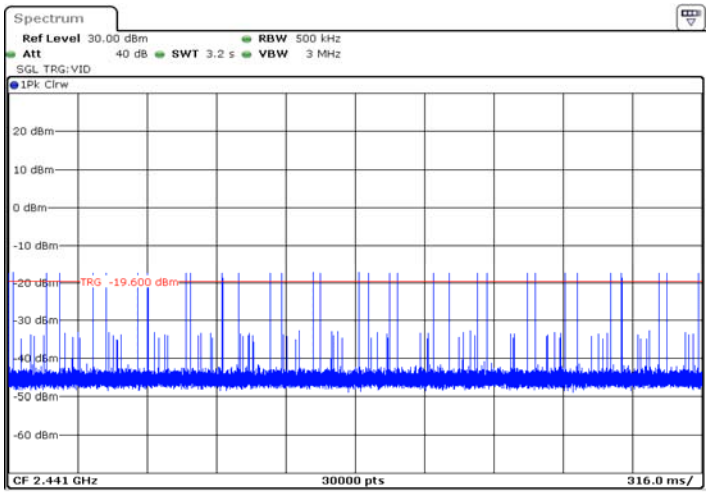
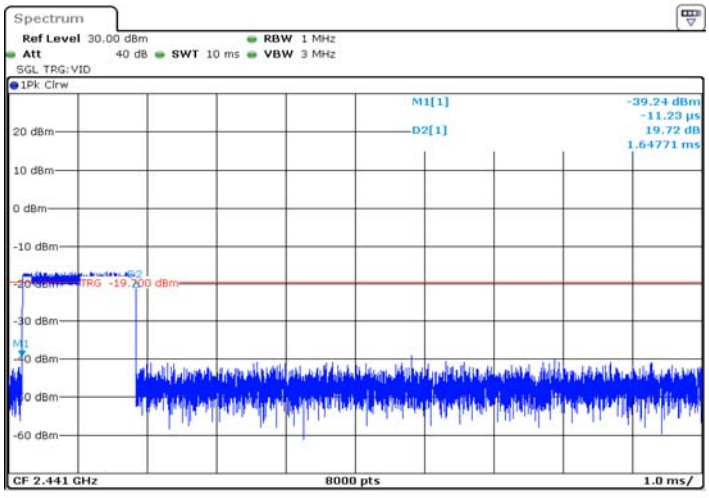
2DH5_Ant1_Hop

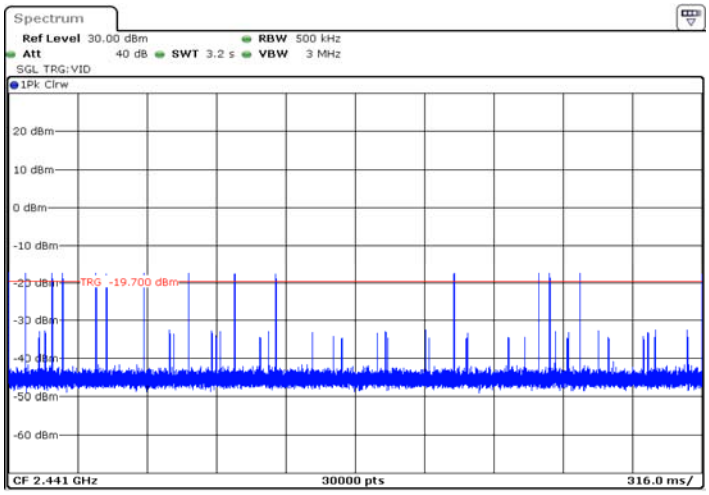


Date: 23.APR.2020 12:09:44



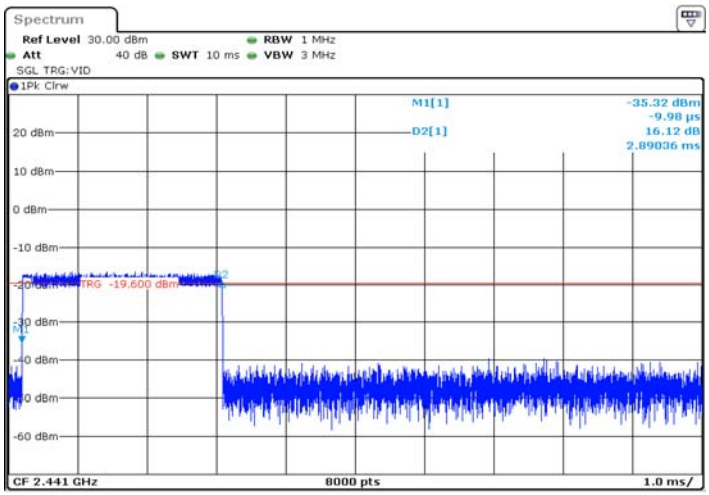
Date: 23.APR.2020 12:09:49

3DH1_Ant1_Hop


3DH3_Ant1_Hop




Date: 23.APR.2020 12:16:36

3DH5_Ant1_Hop



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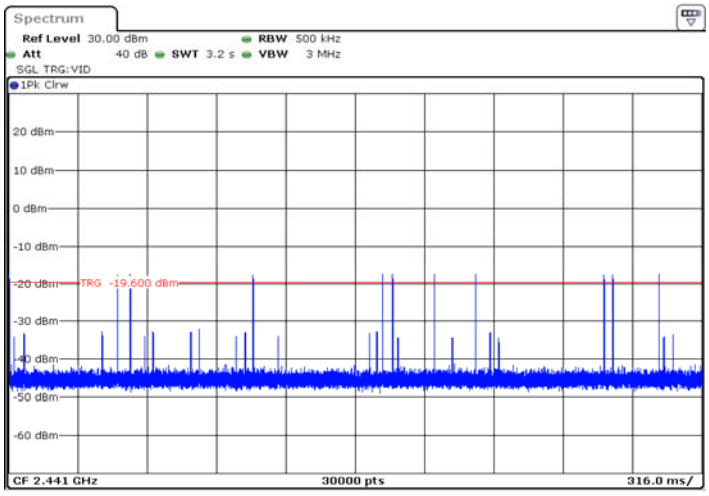


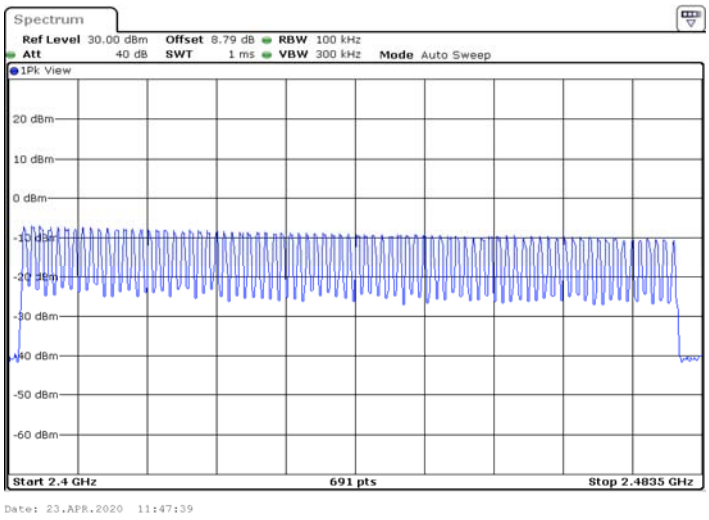
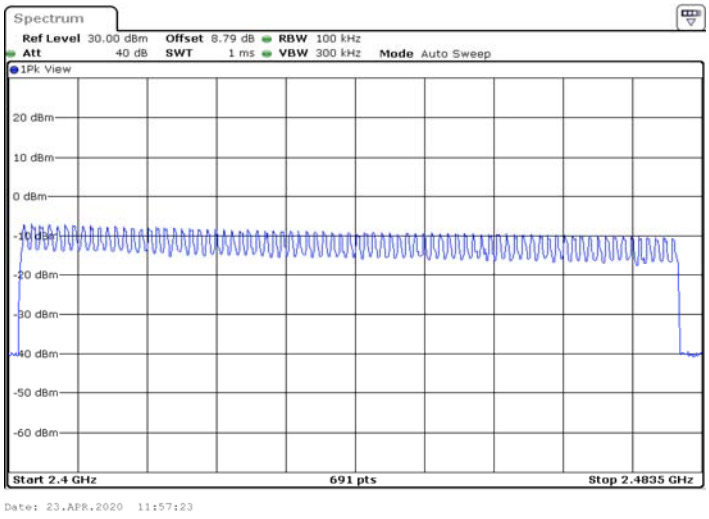
Date: 23.APR.2020 12:19:20

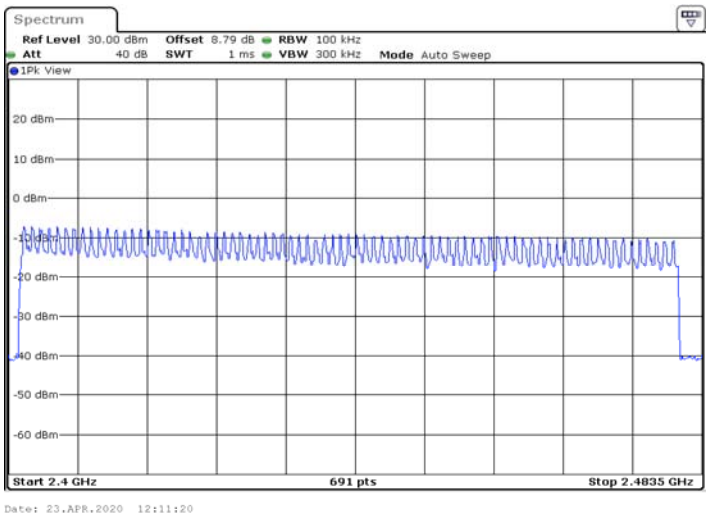
Appendix E: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	>=15	PASS
2DH1	Ant1	Hop	79	>=15	PASS
3DH1	Ant1	Hop	79	>=15	PASS

Test Graphs

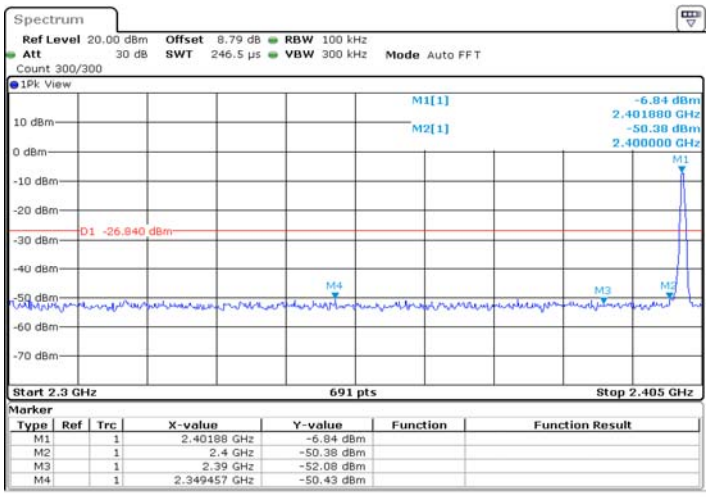
DH1_Ant1_Hop

2DH1_Ant1_Hop


3DH1_Ant1_Hop


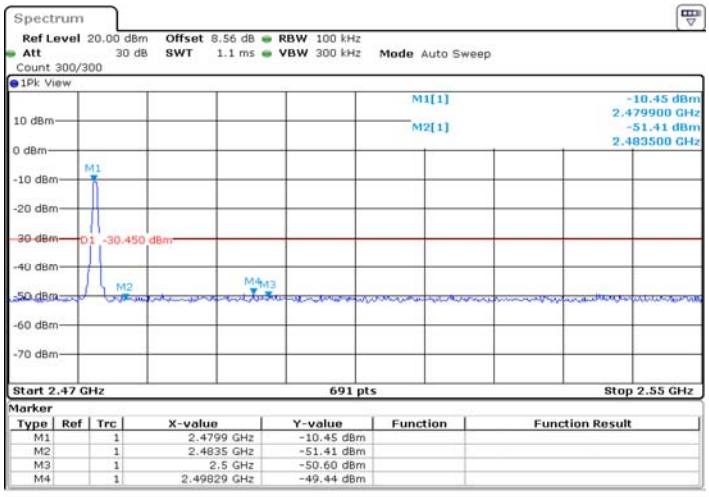
Appendix F:Band edge measurements

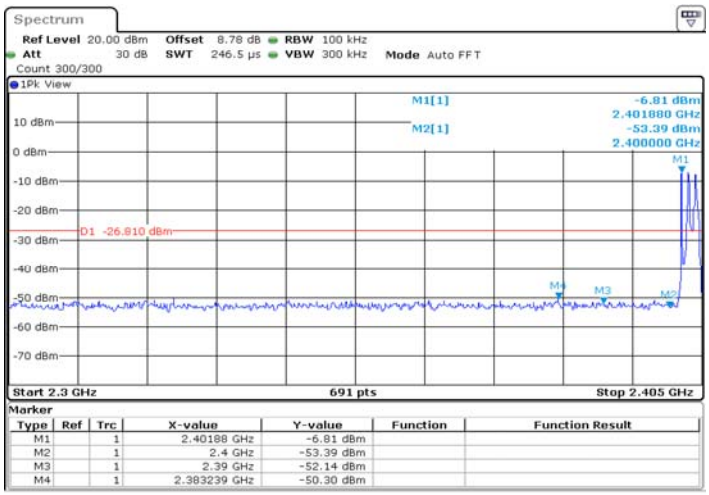
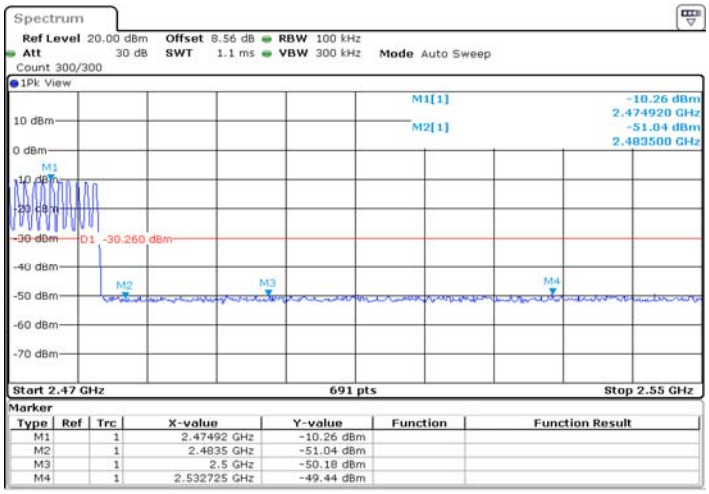
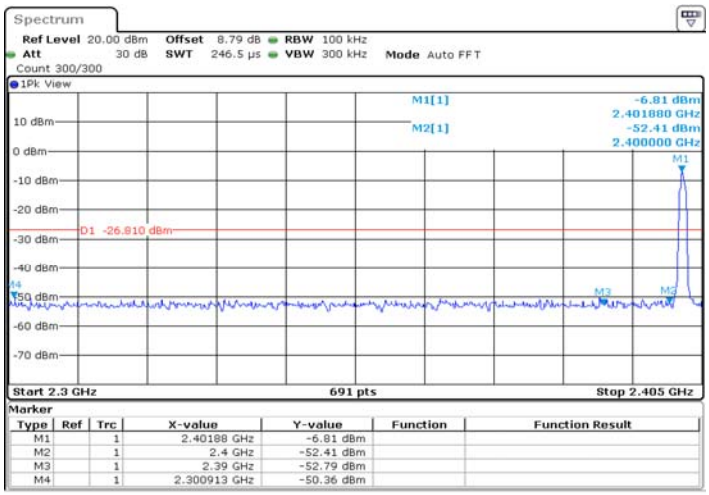
Test Graphs

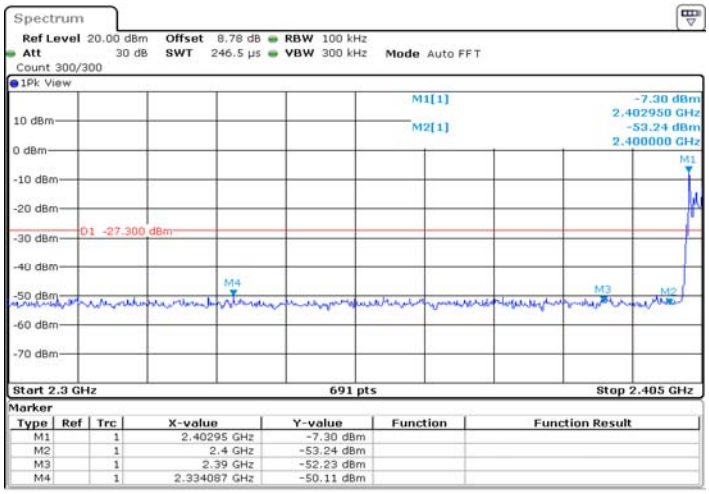
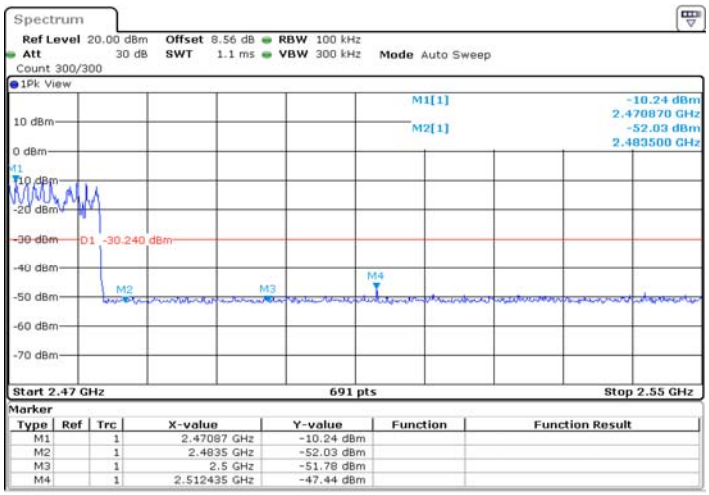
DH1_Ant1_Low_2402

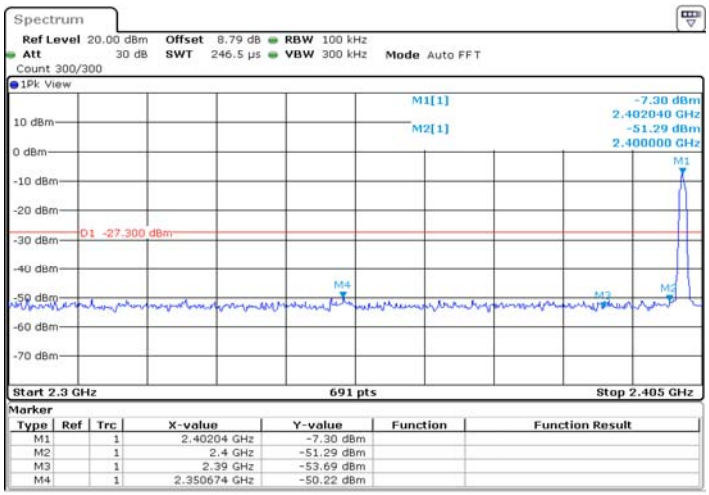
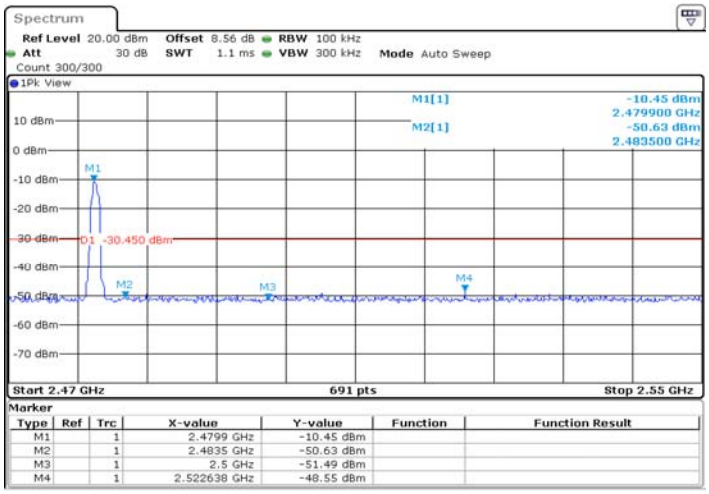
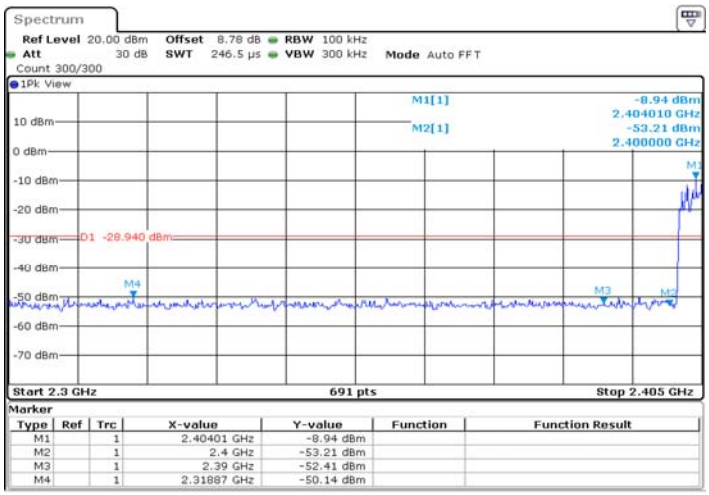
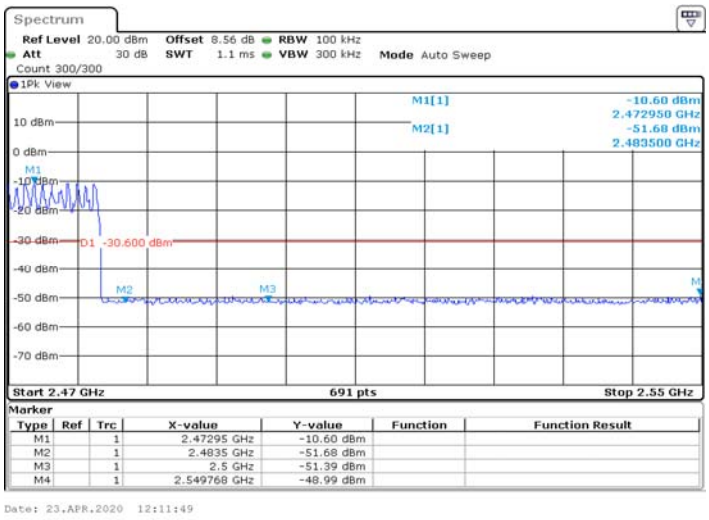


DH1_Ant1_High_2480



DH1_Ant1_Low_Hop_2402
 Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.40188 GHz -6.81 dBm M2 1 2.4 GHz -53.39 dBm M3 1 2.39 GHz -52.14 dBm M4 1 2.383239 GHz -50.30 dBm Date: 23.APR.2020 11:47:06
DH1_Ant1_High_Hop_2480
 Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.47492 GHz -10.26 dBm M2 1 2.4835 GHz -51.04 dBm M3 1 2.5 GHz -50.18 dBm M4 1 2.532725 GHz -49.44 dBm Date: 23.APR.2020 11:48:10
2DH1_Ant1_Low_2402
 Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.40188 GHz -6.81 dBm M2 1 2.4 GHz -52.41 dBm M3 1 2.39 GHz -52.79 dBm M4 1 2.300913 GHz -50.36 dBm Date: 23.APR.2020 11:36:40

2DH1_Ant1_High_2480
2DH1_Ant1_Low_Hop_2402

2DH1_Ant1_High_Hop_2480


3DH1_Ant1_Low_2402

3DH1_Ant1_High_2480

3DH1_Ant1_Low_Hop_2402


3DH1_Ant1_High_Hop_2480