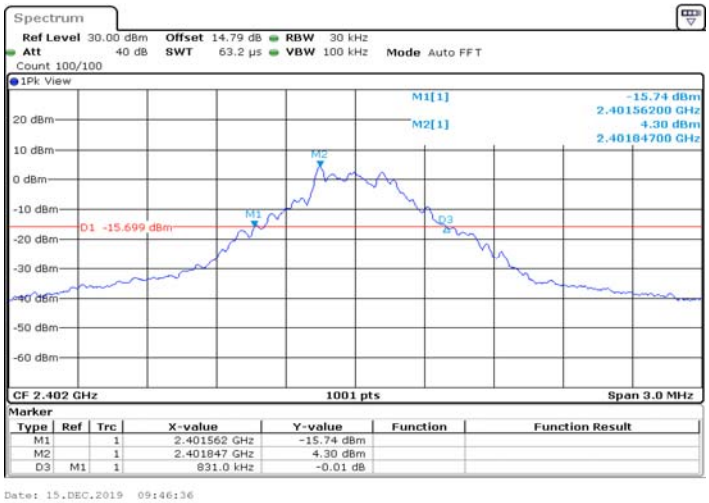
AppendixA: 20dBEmission Bandwidth

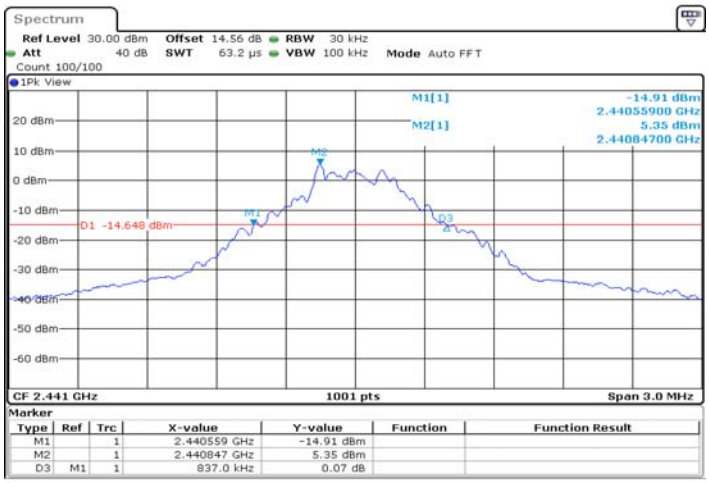
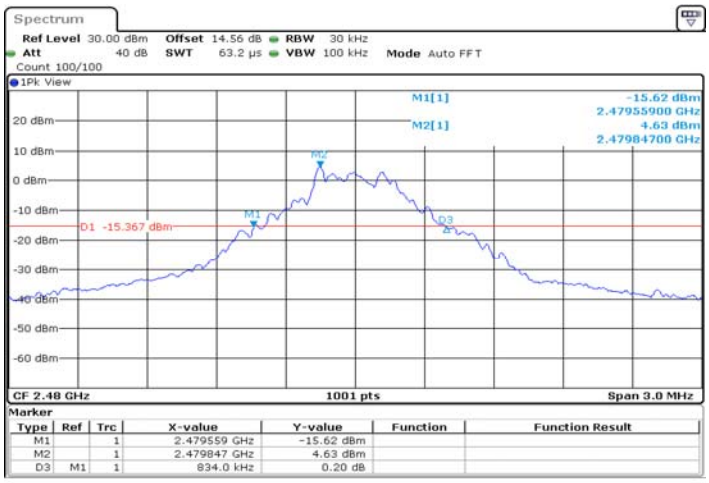
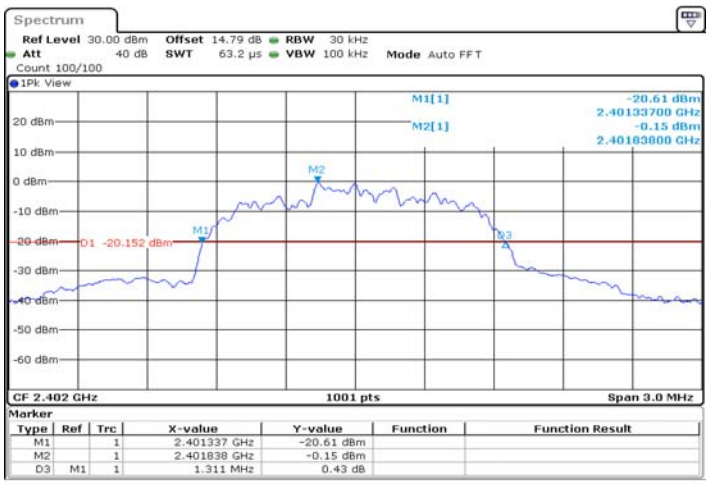
Test Result

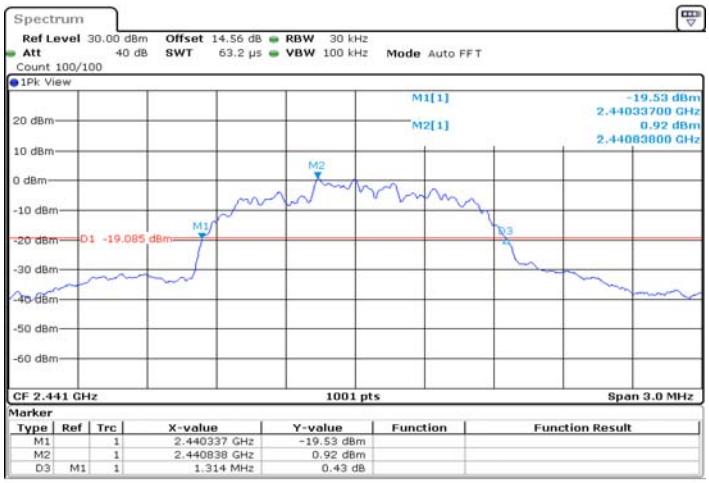
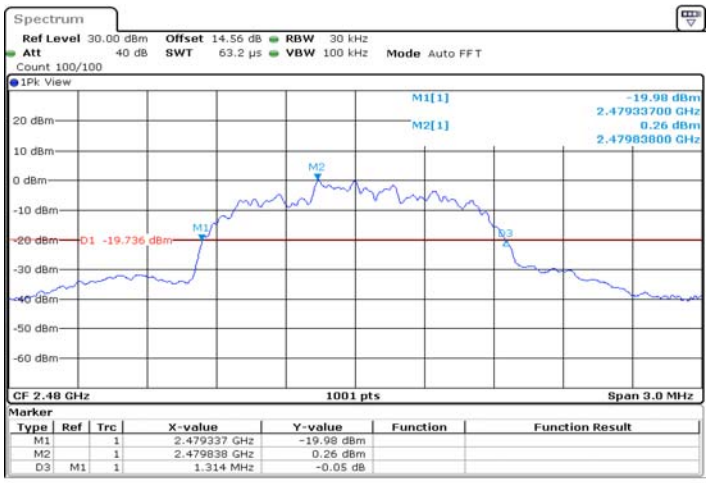
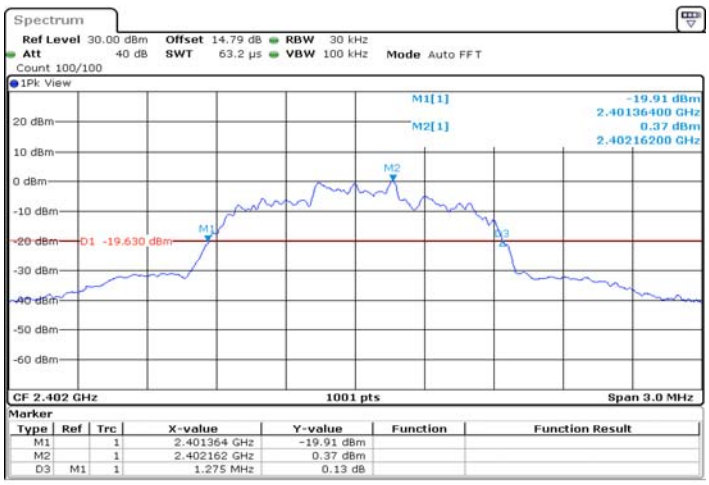
TestMode	Antenna	Channel	20db EBW[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.831	---	PASS
		2441	0.837	---	PASS
		2480	0.834	---	PASS
2DH1	Ant1	2402	1.311	---	PASS
		2441	1.314	---	PASS
		2480	1.314	---	PASS
3DH1	Ant1	2402	1.275	---	PASS
		2441	1.272	---	PASS
		2480	1.275	---	PASS

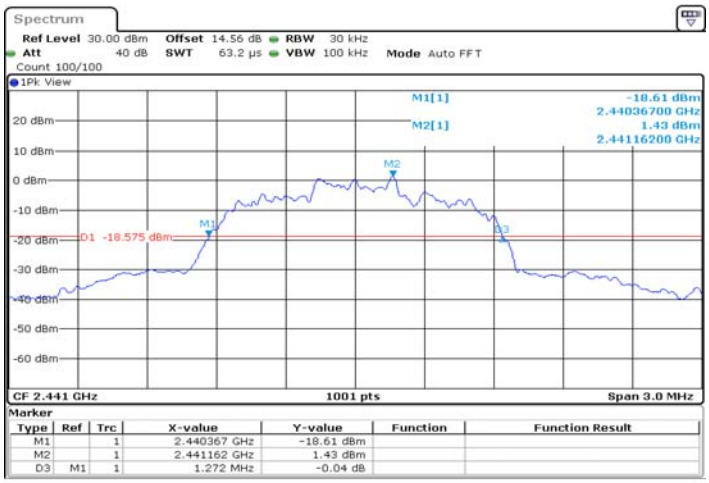
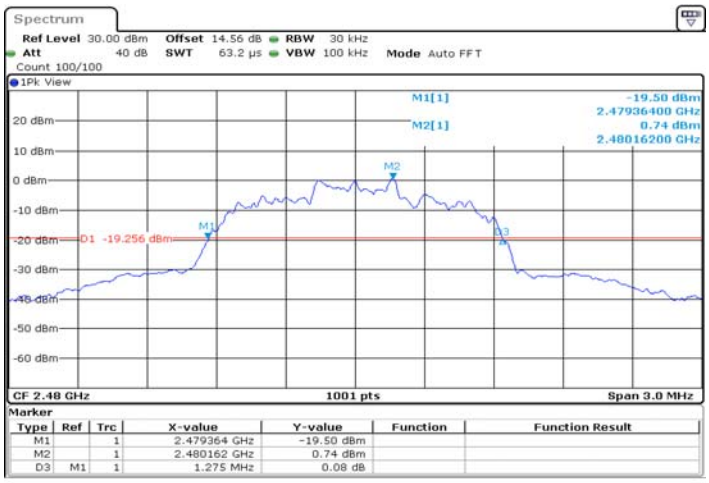
Test Graphs

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


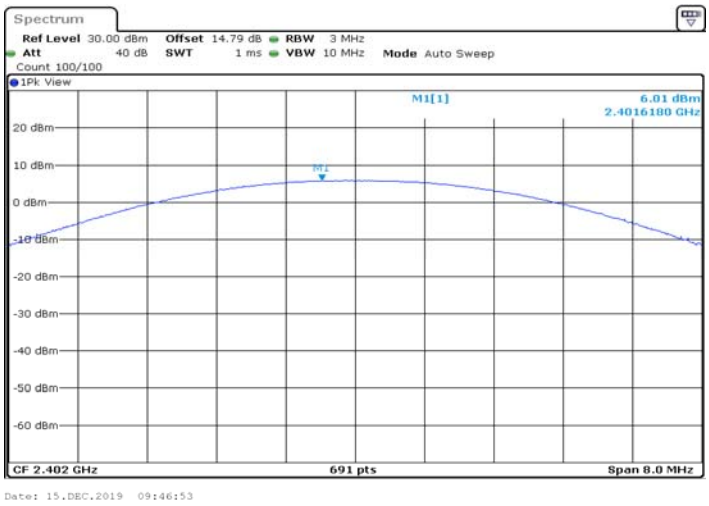
AppendixC: Maximum conducted output power

Test Result

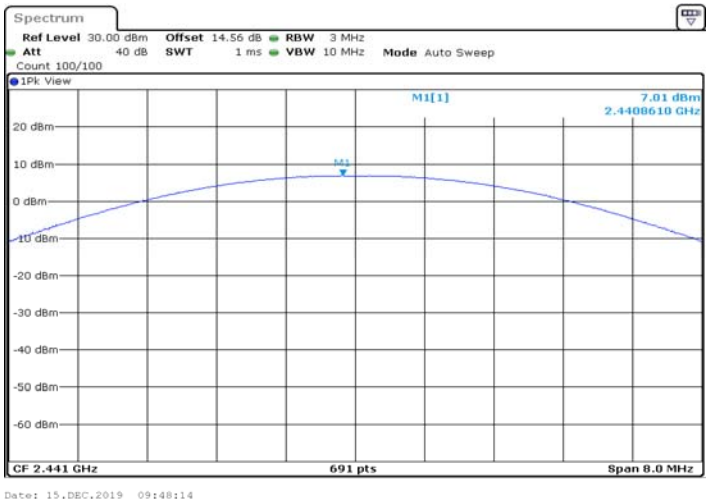
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	6.01	<=20.97	PASS
		2441	7.01	<=20.97	PASS
		2480	6.34	<=20.97	PASS
2DH1	Ant1	2402	5.98	<=20.97	PASS
		2441	6.91	<=20.97	PASS
		2480	6.28	<=20.97	PASS
3DH1	Ant1	2402	6.47	<=20.97	PASS
		2441	7.42	<=20.97	PASS
		2480	6.84	<=20.97	PASS

Test Graphs

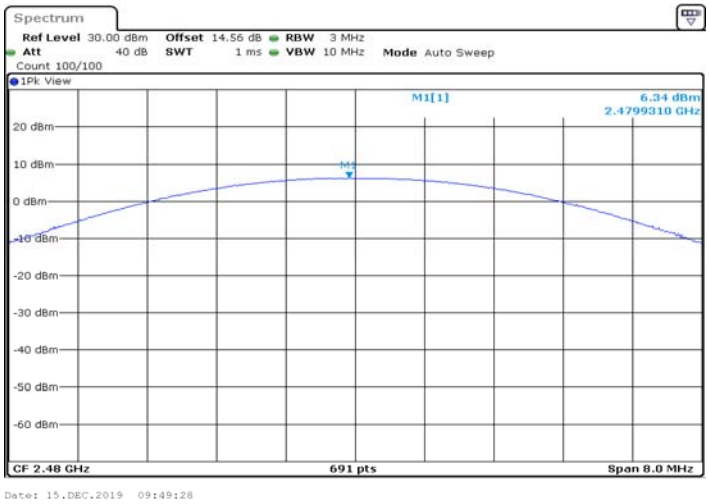
DH1_Ant1_2402



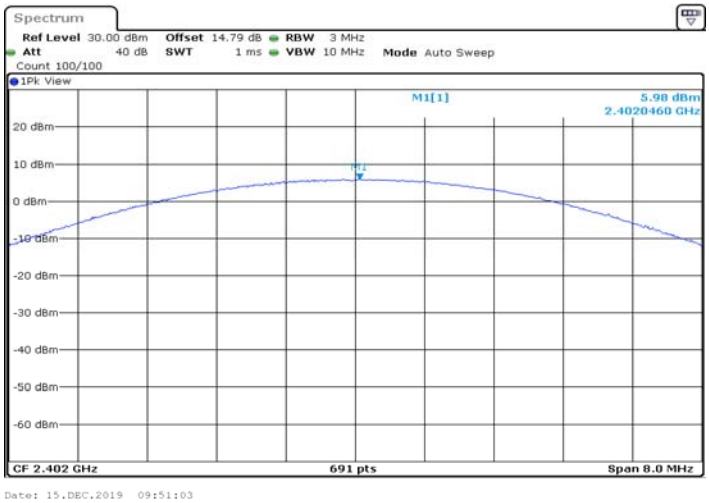
DH1_Ant1_2441



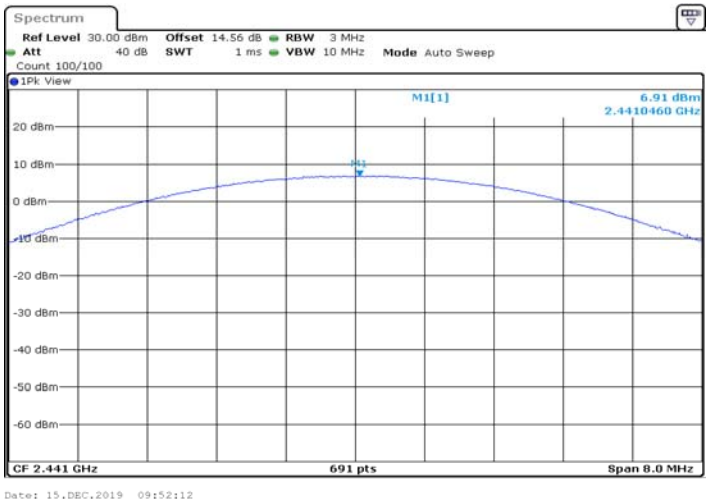
DH1_Ant1_2480



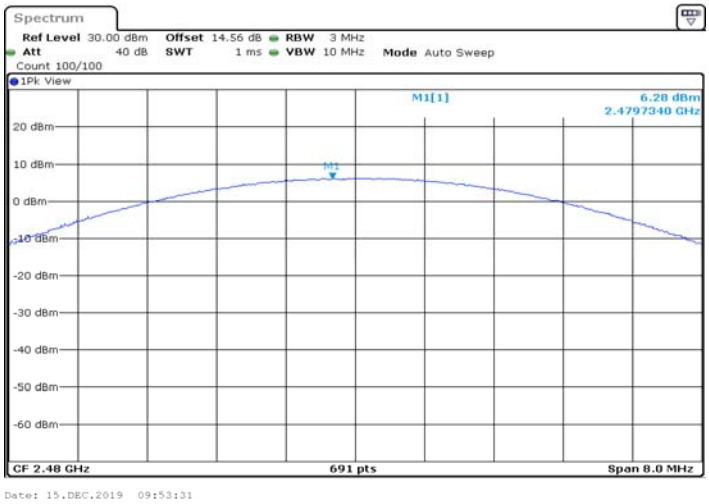
2DH1_Ant1_2402



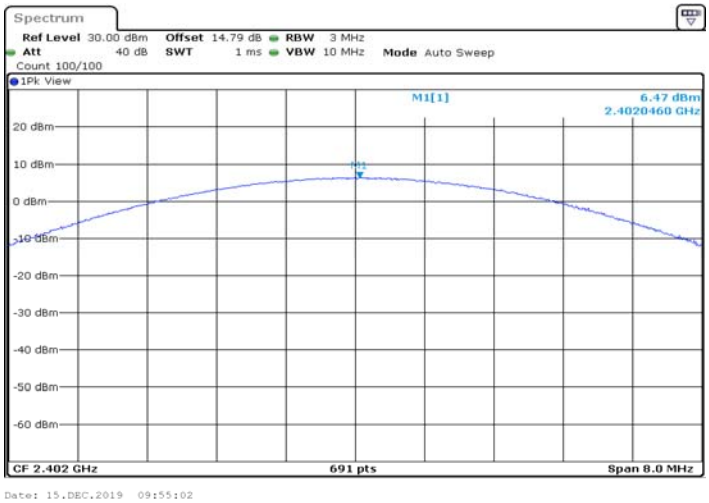
2DH1_Ant1_2441

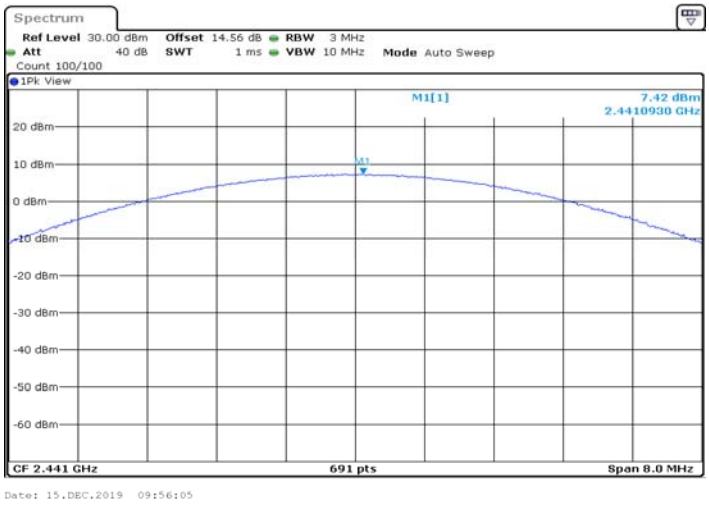
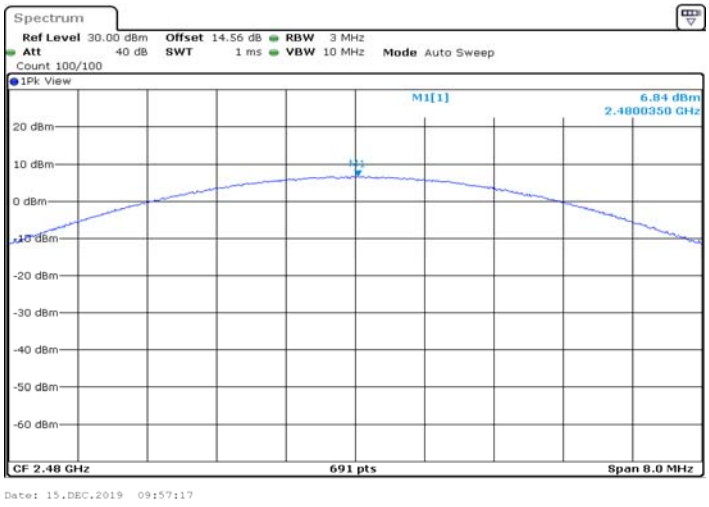


2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441

3DH1_Ant1_2480


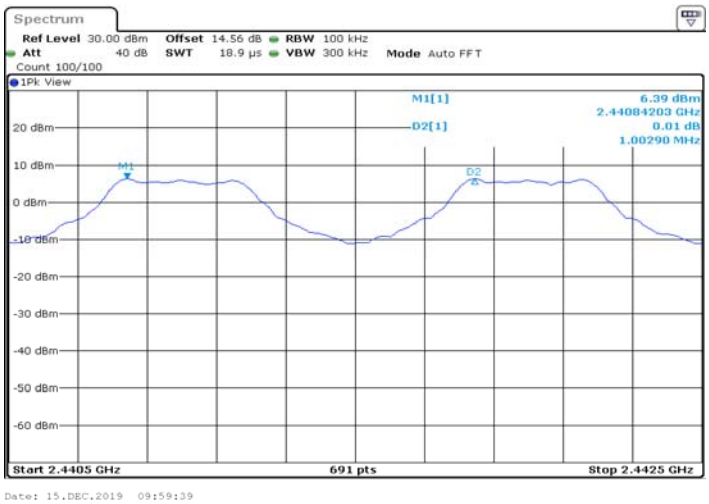
AppendixD: Carrier frequency separation

Test Result

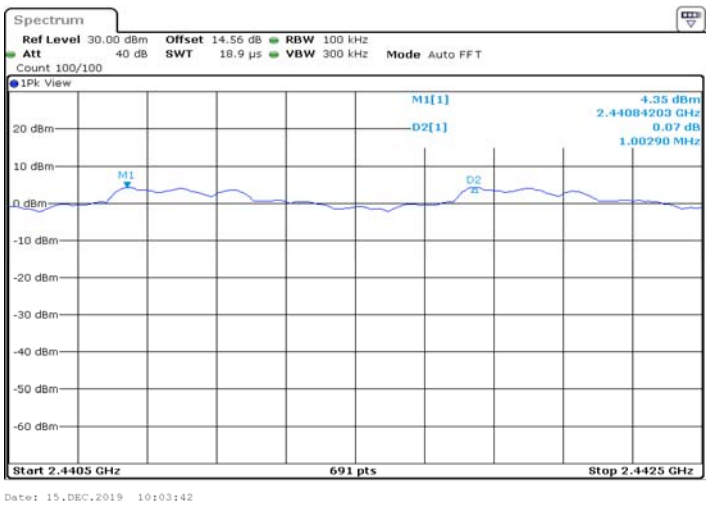
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.003	>=0.558	PASS
2DH1	Ant1	Hop	1.003	>=0.876	PASS
3DH1	Ant1	Hop	1	>=0.848	PASS

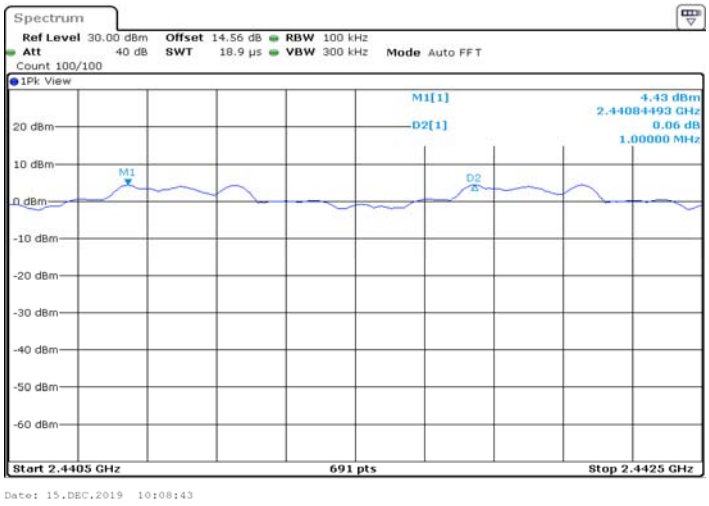
Test Graphs

DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop


AppendixE: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.39	320	0.125	<=0.4	PASS
DH3	Ant1	Hop	1.64	160	0.262	<=0.4	PASS
DH5	Ant1	Hop	2.88	120	0.345	<=0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.125	<=0.4	PASS
2DH3	Ant1	Hop	1.62	180	0.292	<=0.4	PASS
2DH5	Ant1	Hop	2.87	120	0.344	<=0.4	PASS
3DH1	Ant1	Hop	0.38	320	0.121	<=0.4	PASS
3DH3	Ant1	Hop	1.62	180	0.292	<=0.4	PASS
3DH5	Ant1	Hop	2.86	130	0.372	<=0.4	PASS

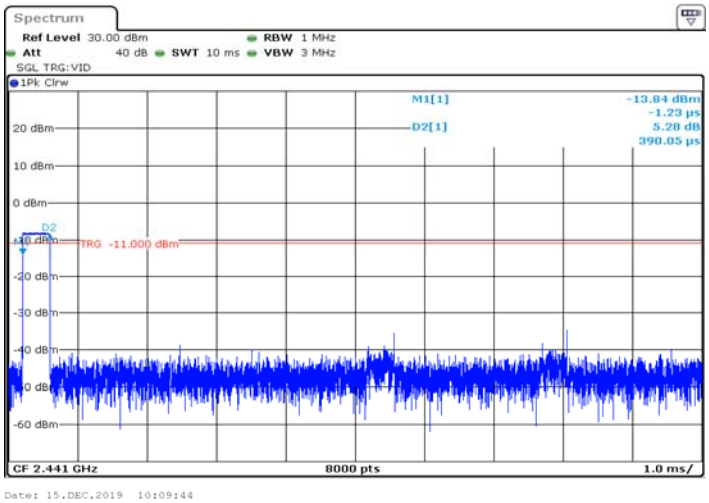
Note 1：A period time=0.4*79=31.6(S), Total of Dwell=Pluse Time*Hopping Number

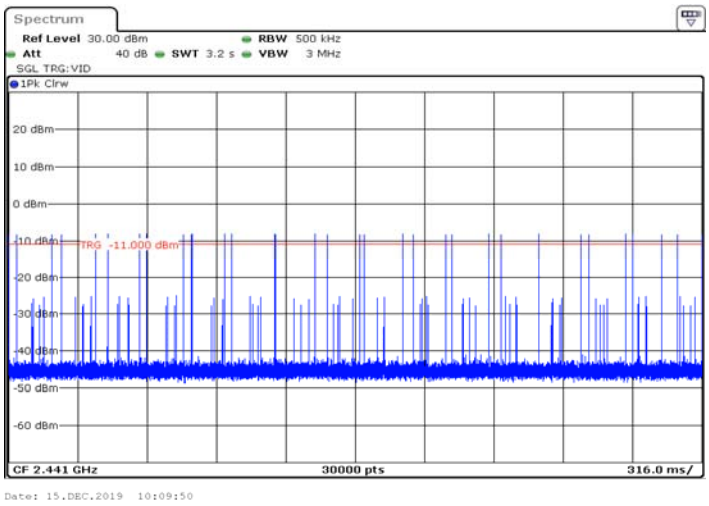
Note 2: Hopping Number=Hopping Number in 3.16s*10

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

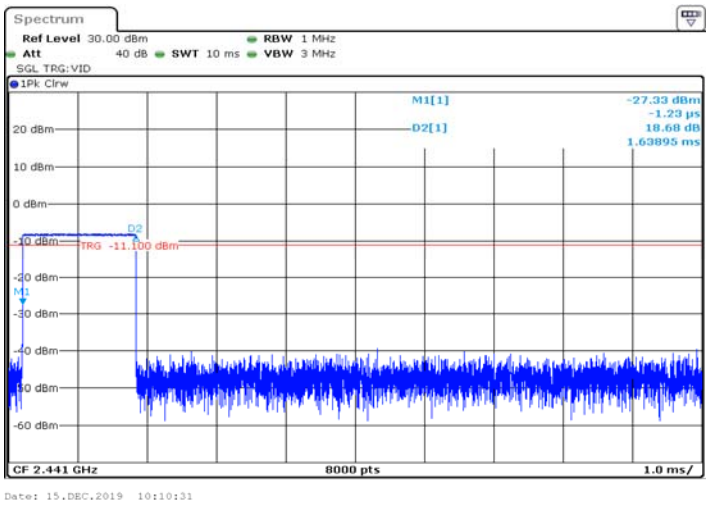
Test Graphs

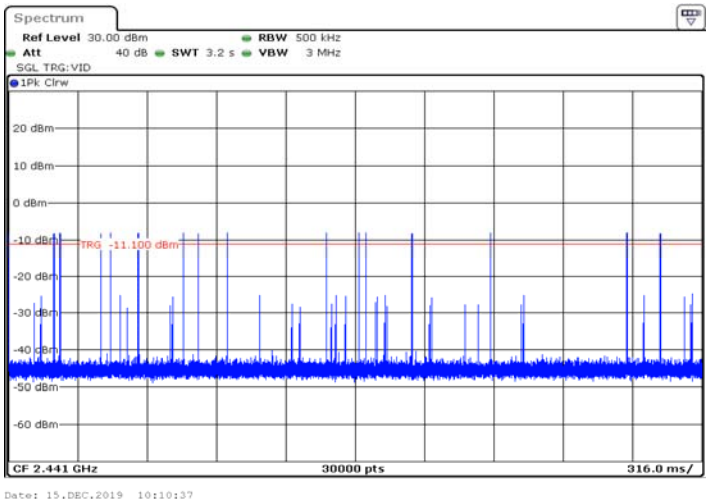
DH1_Ant1_Hop

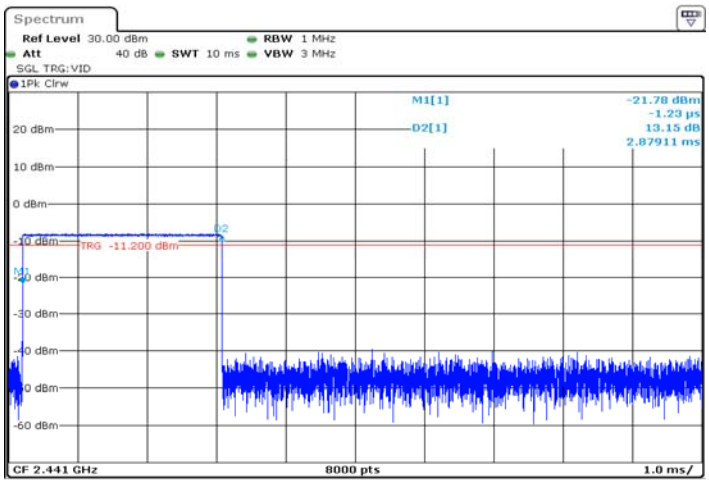
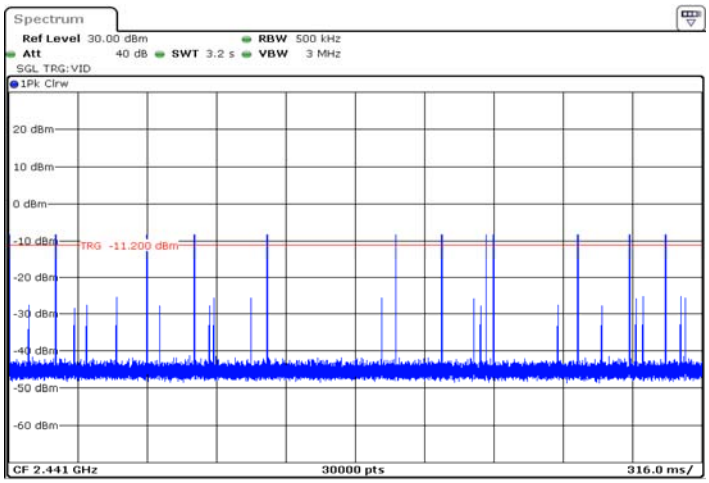
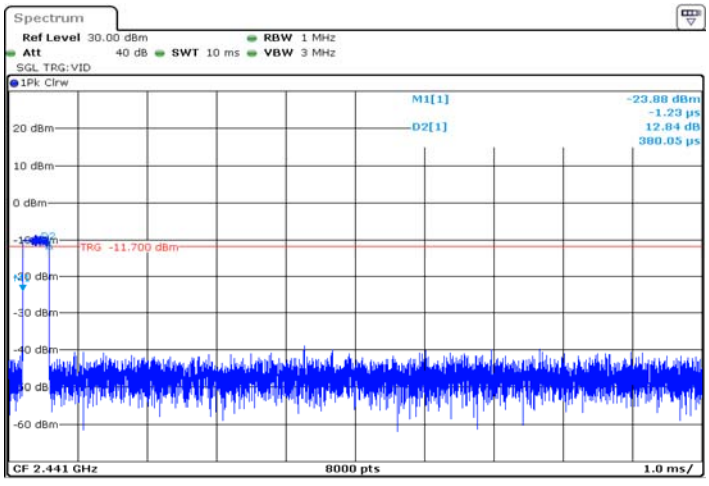


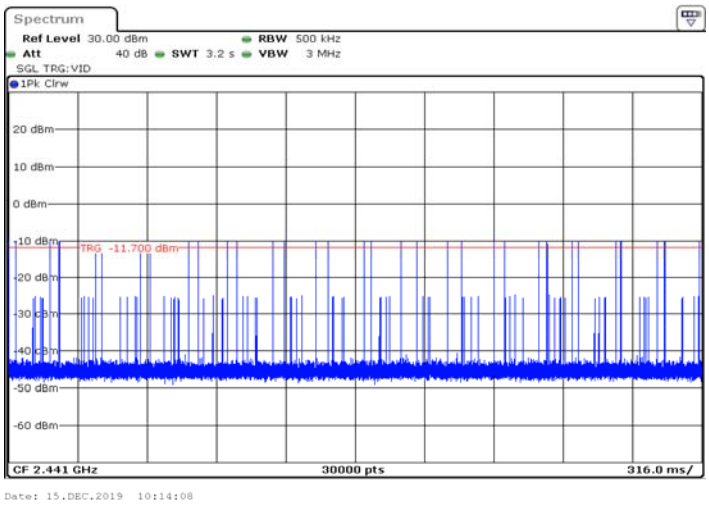

Spectrum
Ref Level 30.00 dBm
RBW 500 kHz
Att 40 dB SWT 3.2 s VBW 3 MHz
SGL TRG:VID
1Pk Clrw
20 dBm
10 dBm
0 dBm
-10 dBm
TRG -11.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 2.441 GHz
30000 pts
316.0 ms/
Date: 15.DEC.2019 10:09:50

DH3_Ant1_Hop

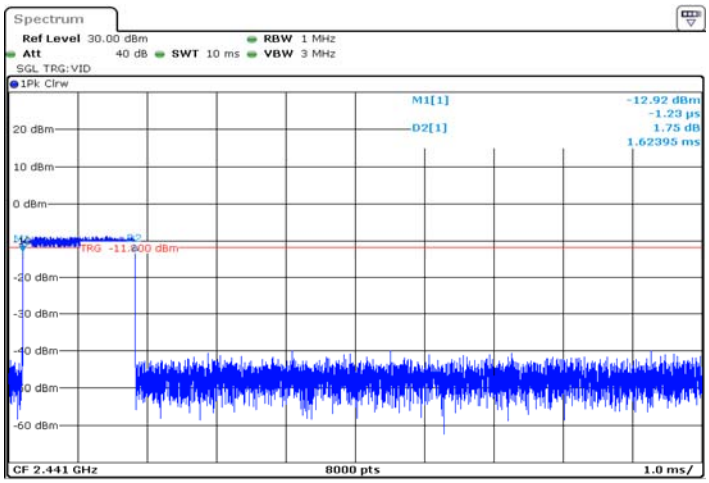

Spectrum
Ref Level 30.00 dBm
RBW 1 MHz
Att 40 dB SWT 10 ms VBW 3 MHz
SGL TRG:VID
1Pk Clrw
M1[1]
-27.33 dBm
-1.23 µs
D2[1]
18.68 dB
1.63895 ms
20 dBm
10 dBm
0 dBm
D2
-10 dBm
TRG -11.100 dBm
-20 dBm
M1
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 2.441 GHz
8000 pts
1.0 ms/
Date: 15.DEC.2019 10:10:31

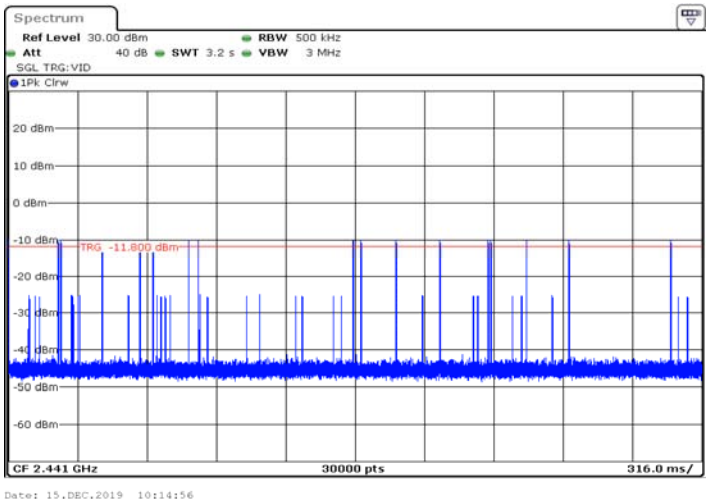

Spectrum
Ref Level 30.00 dBm
RBW 500 kHz
Att 40 dB SWT 3.2 s VBW 3 MHz
SGL TRG:VID
1Pk Clrw
20 dBm
10 dBm
0 dBm
-10 dBm
TRG -11.100 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 2.441 GHz
30000 pts
316.0 ms/
Date: 15.DEC.2019 10:10:37

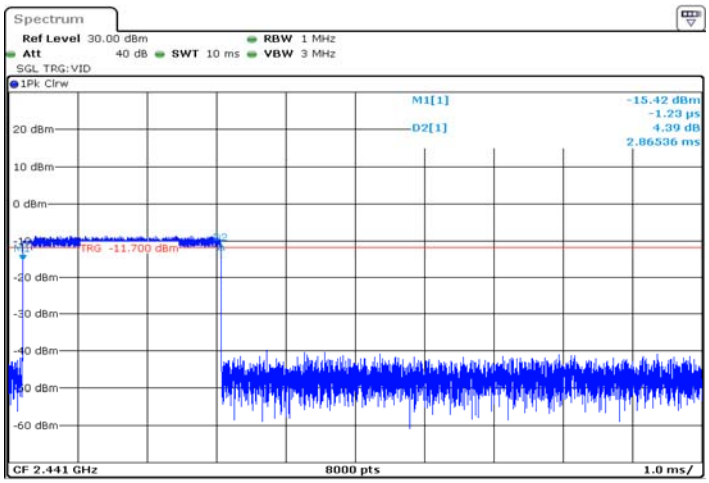
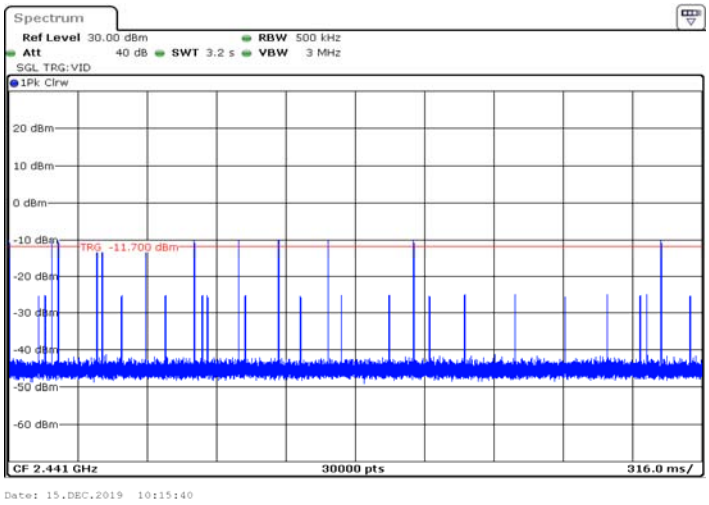
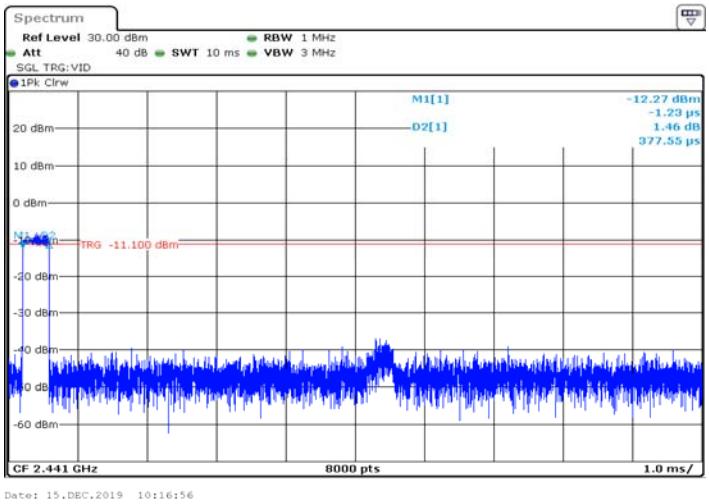
DH5_Ant1_Hop


2DH1_Ant1_Hop


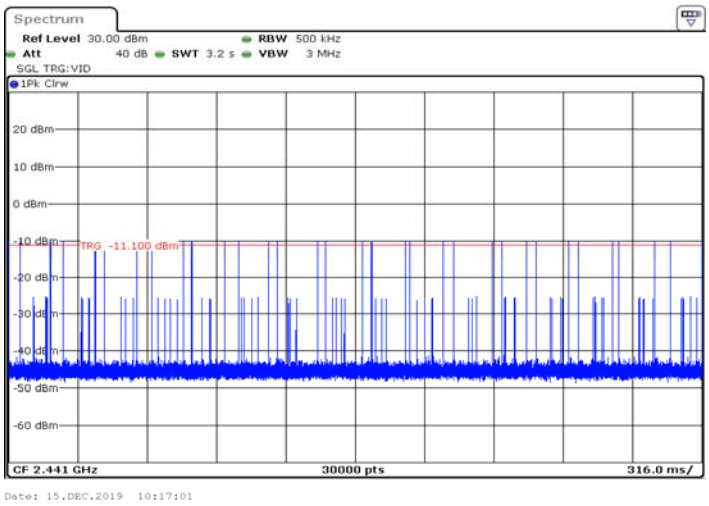


2DH3_Ant1_Hop

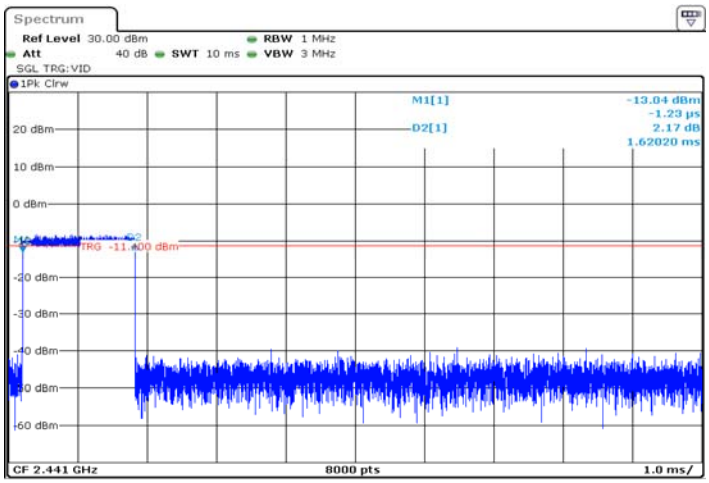


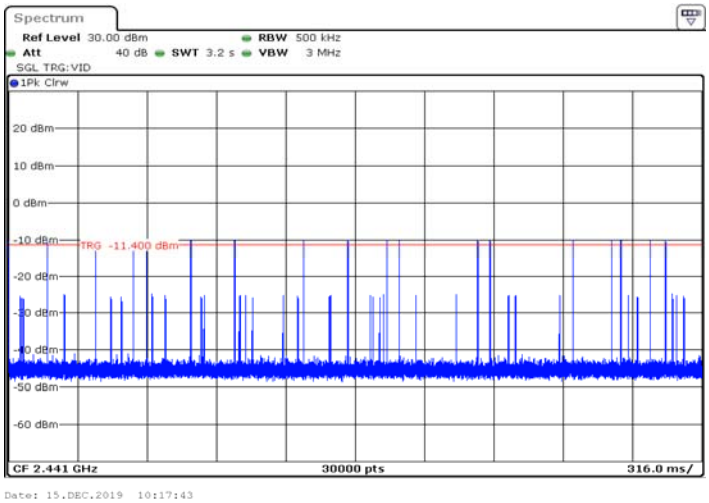


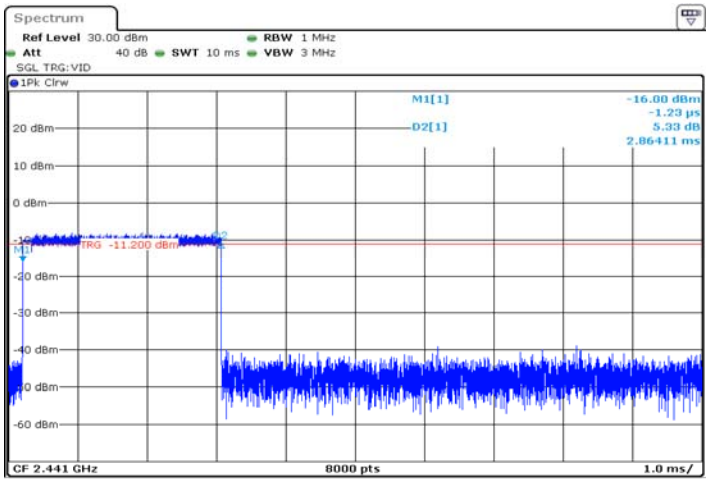
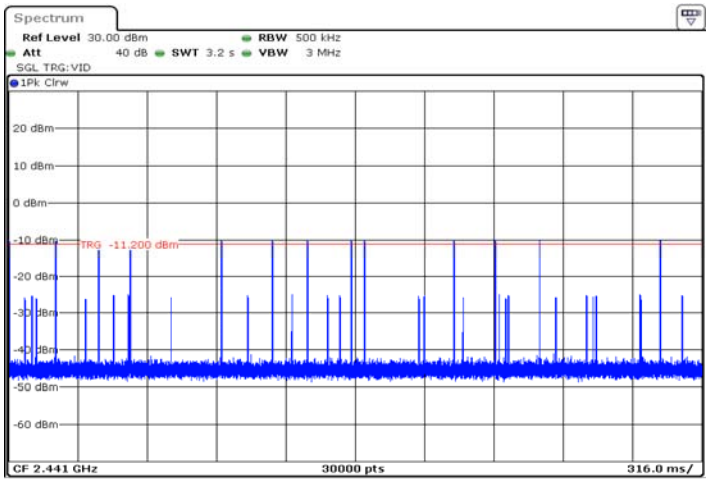
2DH5_Ant1_Hop


3DH1_Ant1_Hop




3DH3_Ant1_Hop





3DH5_Ant1_Hop



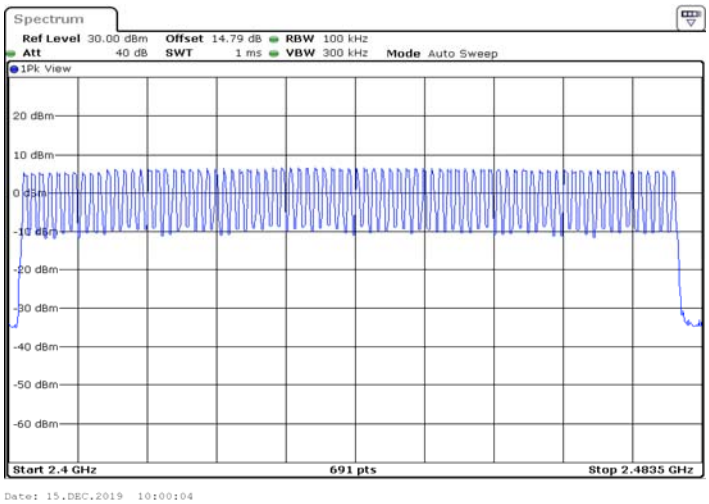
AppendixF: Number of hopping channels

Test Result

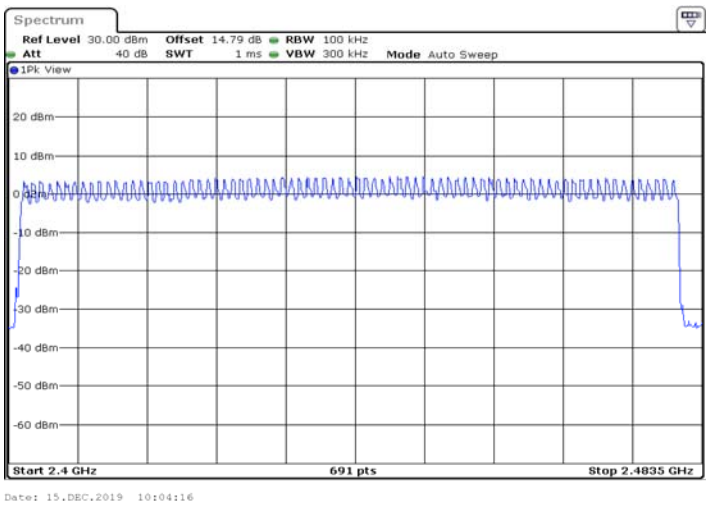
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	>=15	PASS
2DH1	Ant1	Hop	79	>=15	PASS
3DH1	Ant1	Hop	79	>=15	PASS

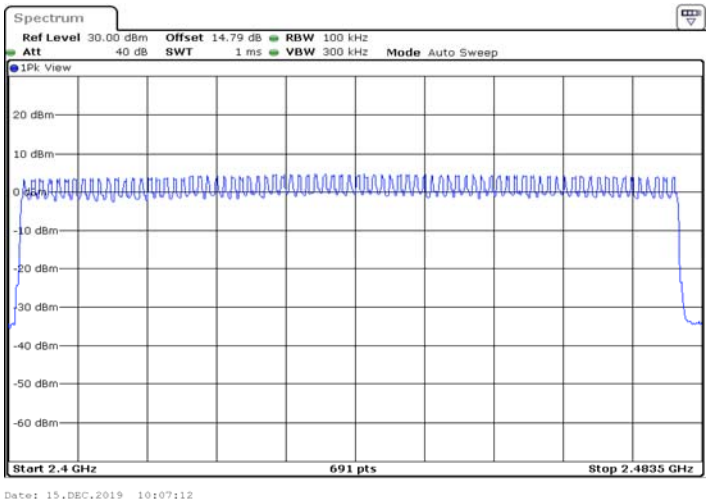
Test Graphs

DH1_Ant1_Hop



2DH1_Ant1_Hop

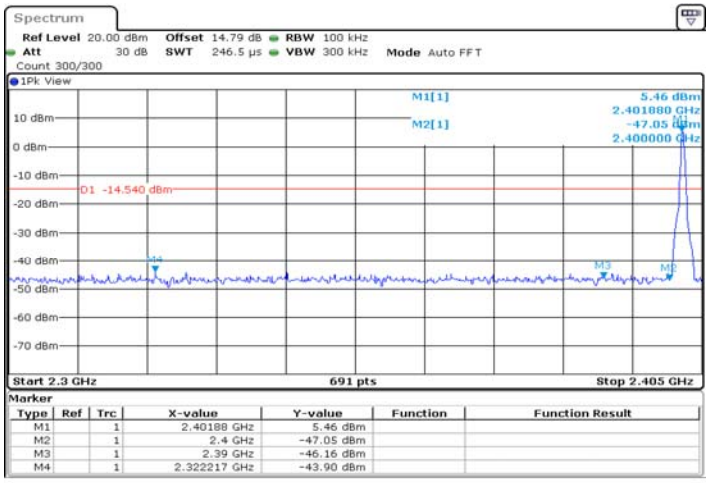


3DH1_Ant1_Hop


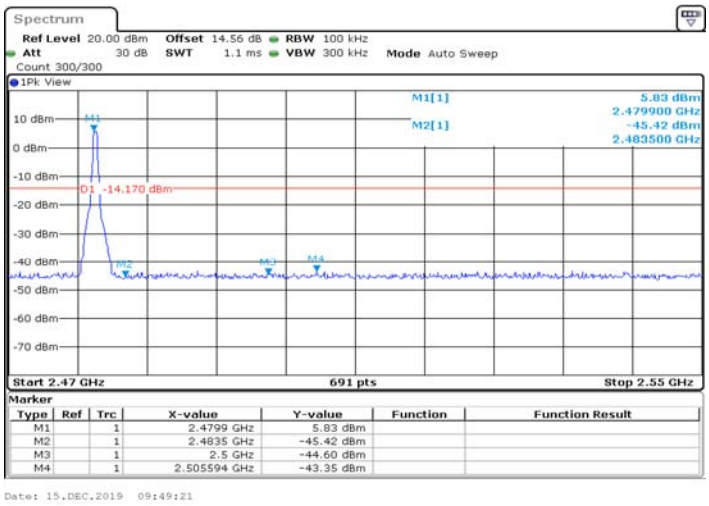
AppendixG:Band edge measurements

Test Graphs

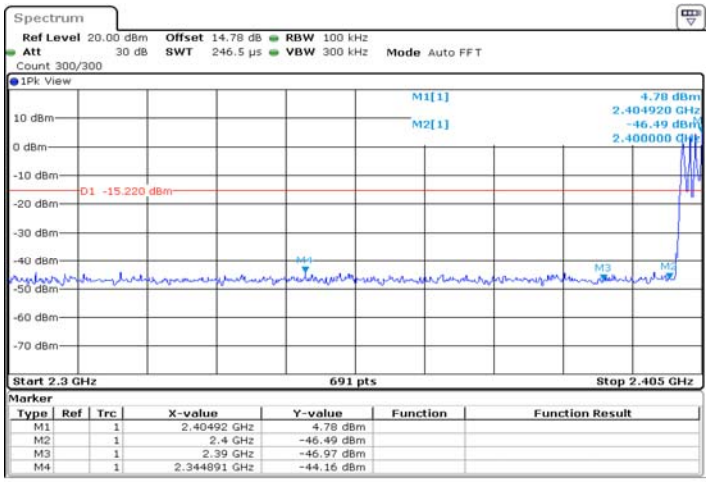
DH1_Ant1_Low_2402



DH1_Ant1_High_2480



DH1_Ant1_Low_Hop_2402

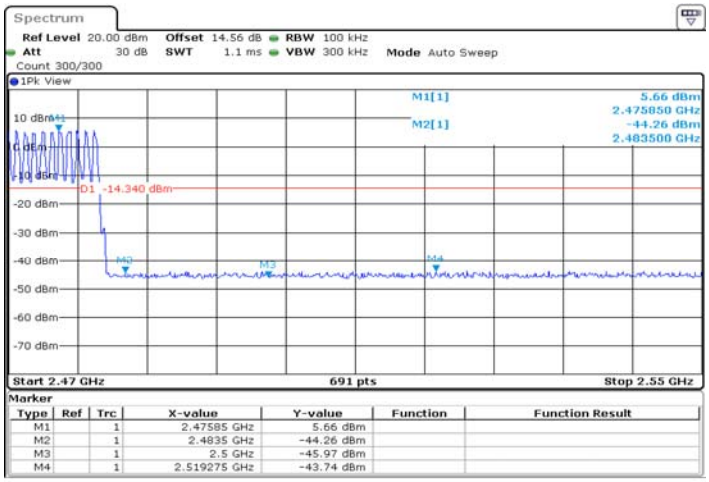


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40492 GHz	4.78 dBm		
M2		1	2.4 GHz	-46.49 dBm		
M3		1	2.39 GHz	-46.97 dBm		
M4		1	2.344891 GHz	-44.16 dBm		

Date: 15.DEC.2019 09:58:56

DH1_Ant1_High_Hop_2480

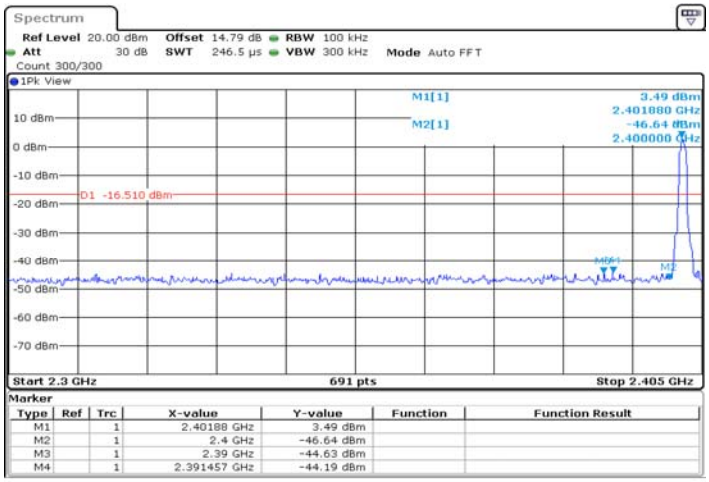


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47585 GHz	5.66 dBm		
M2		1	2.4835 GHz	-44.26 dBm		
M3		1	2.5 GHz	-45.97 dBm		
M4		1	2.519275 GHz	-43.74 dBm		

Date: 15.DEC.2019 10:00:18

2DH1_Ant1_Low_2402

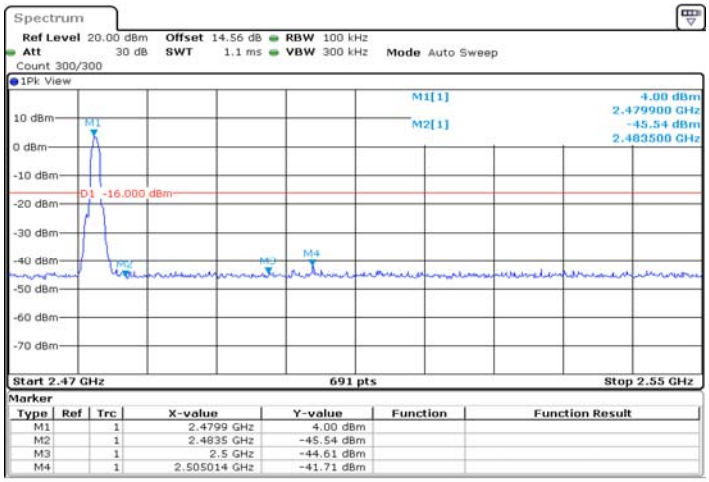


Marker

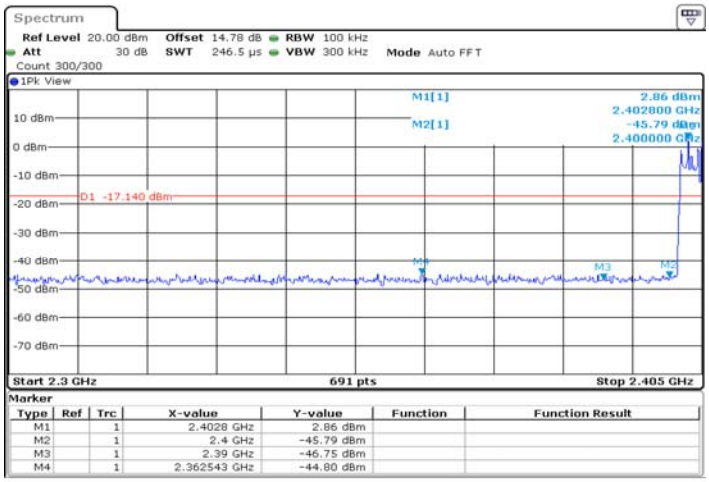
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40188 GHz	3.49 dBm		
M2		1	2.4 GHz	-46.64 dBm		
M3		1	2.39 GHz	-44.63 dBm		
M4		1	2.391457 GHz	-44.19 dBm		

Date: 15.DEC.2019 09:50:56

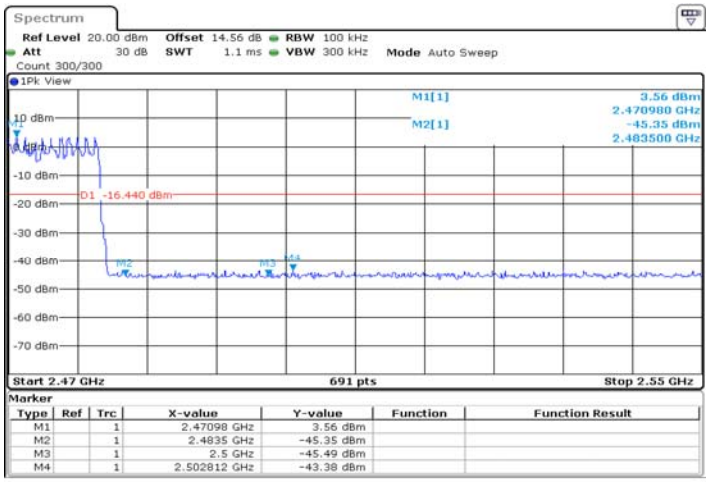
2DH1_Ant1_High_2480



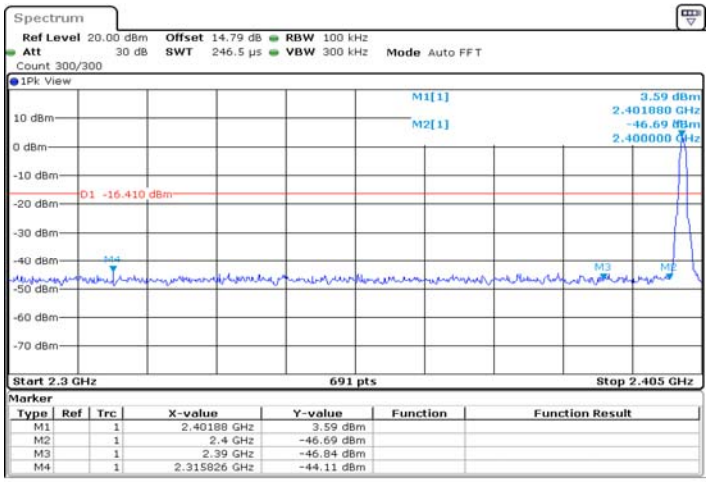
2DH1_Ant1_Low_Hop_2402



2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_2402

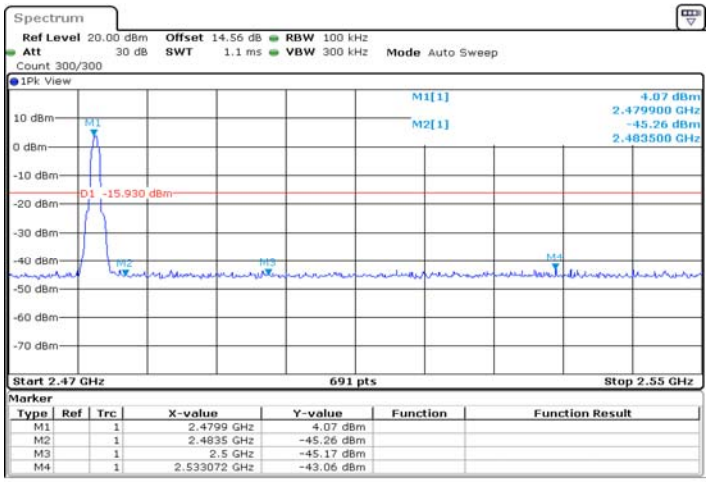


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40188 GHz	3.59 dBm		
M2		1	2.4 GHz	-46.69 dBm		
M3		1	2.39 GHz	-46.84 dBm		
M4		1	2.315826 GHz	-44.11 dBm		

Date: 15.DEC.2019 09:54:55

3DH1_Ant1_High_2480

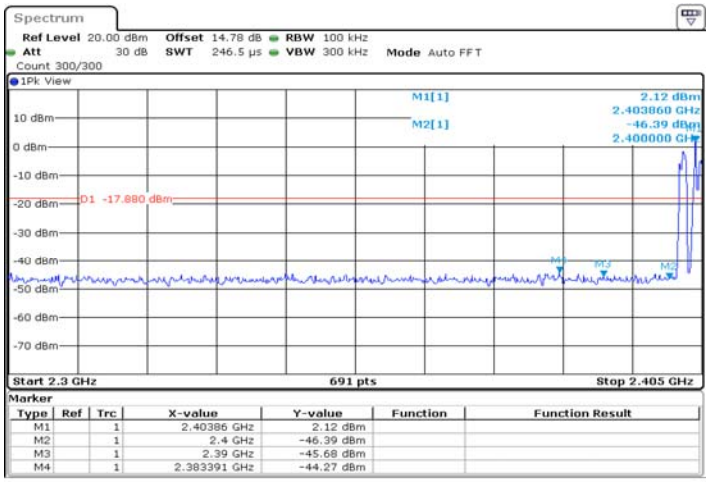


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4799 GHz	4.07 dBm		
M2		1	2.4835 GHz	-45.26 dBm		
M3		1	2.5 GHz	-45.17 dBm		
M4		1	2.533072 GHz	-43.06 dBm		

Date: 15.DEC.2019 09:57:10

3DH1_Ant1_Low_Hop_2402



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40386 GHz	2.12 dBm		
M2		1	2.4 GHz	-46.39 dBm		
M3		1	2.39 GHz	-45.68 dBm		
M4		1	2.383391 GHz	-44.27 dBm		

Date: 15.DEC.2019 10:05:27

3DH1_Ant1_High_Hop_2480