Appendix Test Data

Report No.:	18220WC20059801	Test Sample No.:	1-2-2
Start Test Date:	2022.3.26	Finish Test Date:	2022.3.31
Test Engineer:	Tony.He	Auditor:	Edward.Pan
Temperature:	24.3℃	Relative Humidity:	55 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

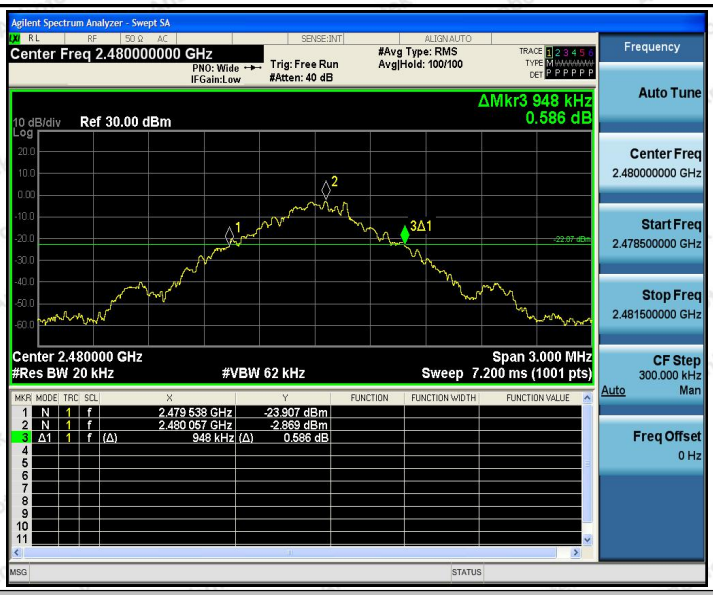
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.541	2402.489	---	PASS
		2441	0.948	2440.538	2441.486	---	PASS
		2480	0.948	2479.538	2480.486	---	PASS
2DH5	Ant1	2402	1.323	2401.340	2402.663	---	PASS
		2441	1.320	2440.340	2441.660	---	PASS
		2480	1.323	2479.337	2480.660	---	PASS
3DH5	Ant1	2402	1.314	2401.343	2402.657	---	PASS
		2441	1.275	2440.352	2441.627	---	PASS
		2480	1.290	2479.352	2480.642	---	PASS

Test Graphs

DH5_Ant1_2402

DH5_Ant1_2441

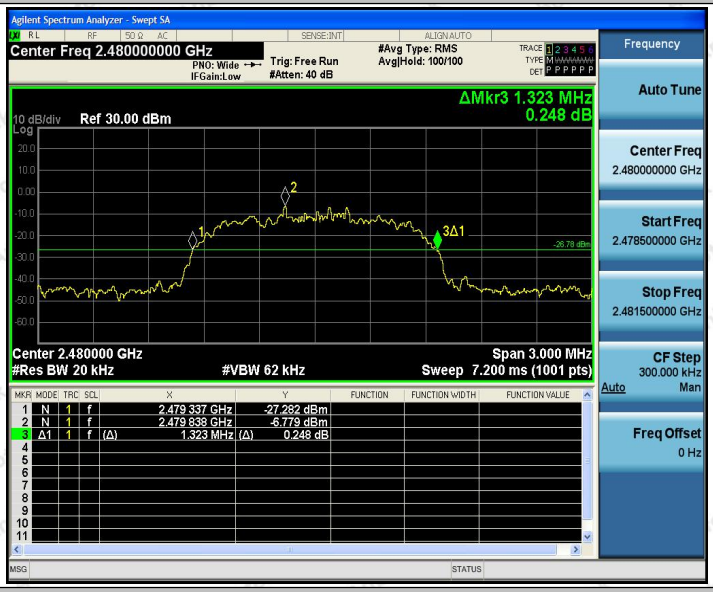
DH5_Ant1_2480



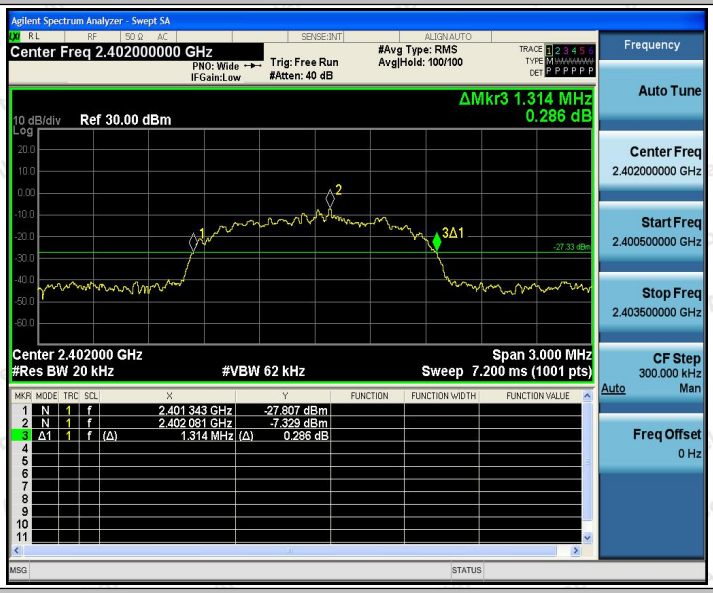
2DH5_Ant1_2402

2DH5_Ant1_2441

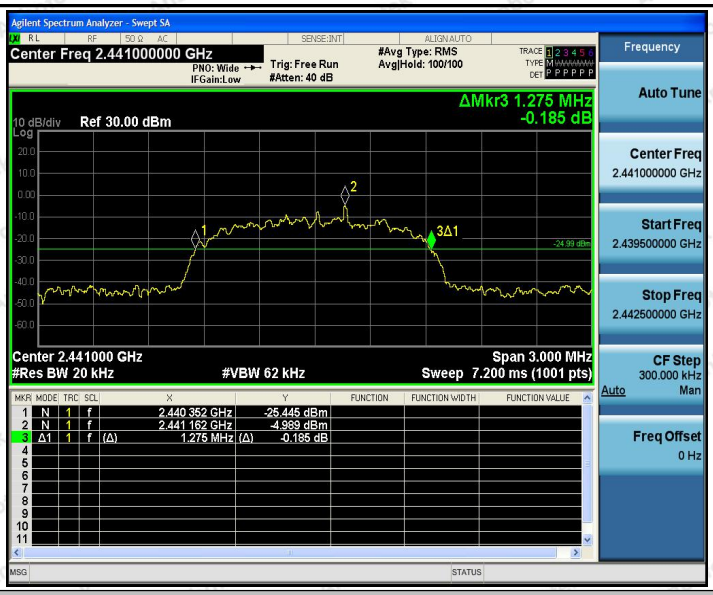
2DH5_Ant1_2480



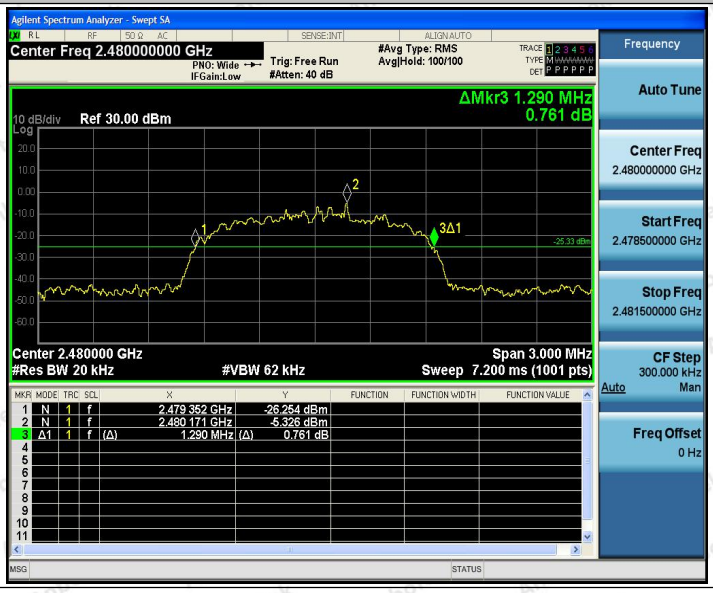
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



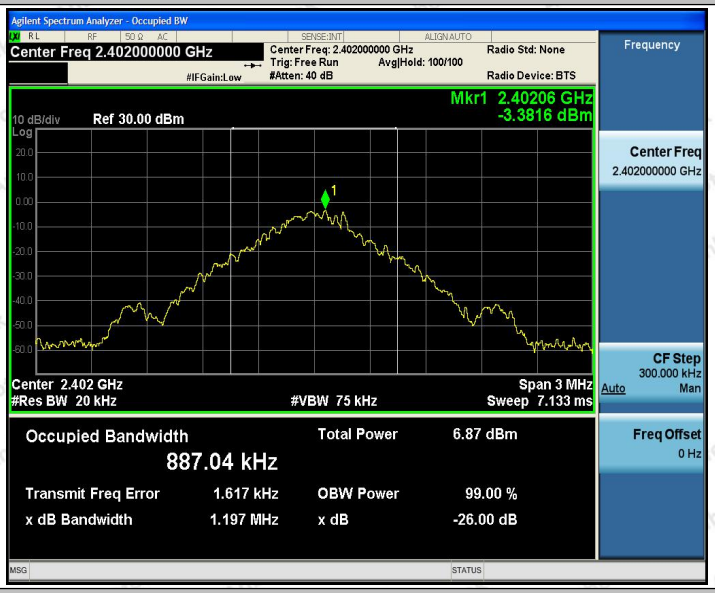
Appendix B: Occupied Channel Bandwidth

Test Result

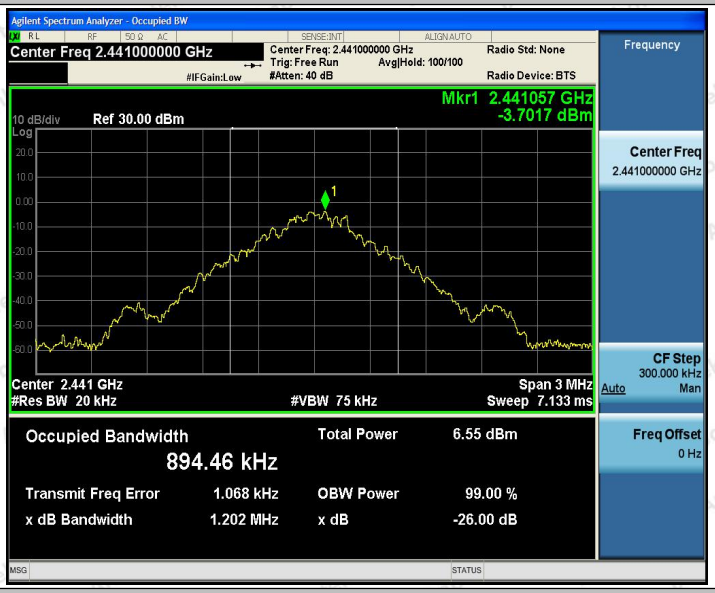
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88704	2401.558	2402.445	---	PASS
		2441	0.89446	2440.554	2441.448	---	PASS
		2480	0.89368	2479.553	2480.447	---	PASS
2DH5	Ant1	2402	1.1915	2401.407	2402.599	---	PASS
		2441	1.1944	2440.404	2441.598	---	PASS
		2480	1.1867	2479.407	2480.594	---	PASS
3DH5	Ant1	2402	1.2130	2401.385	2402.598	---	PASS
		2441	1.2020	2440.393	2441.595	---	PASS
		2480	1.2081	2479.389	2480.597	---	PASS

Test Graphs

DH5_Ant1_2402

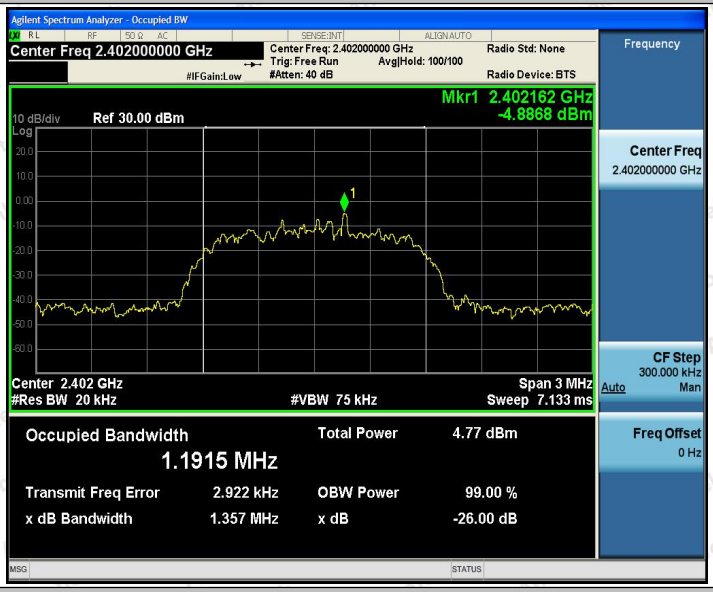


DH5_Ant1_2441

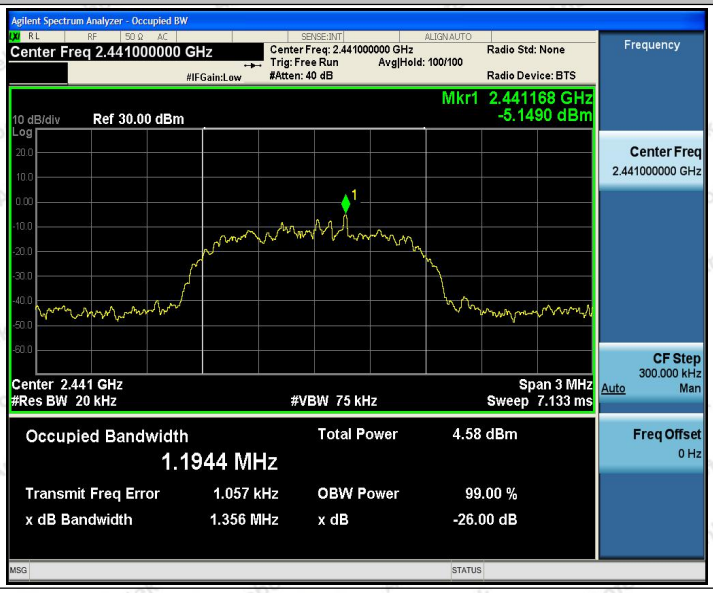


DH5_Ant1_2480

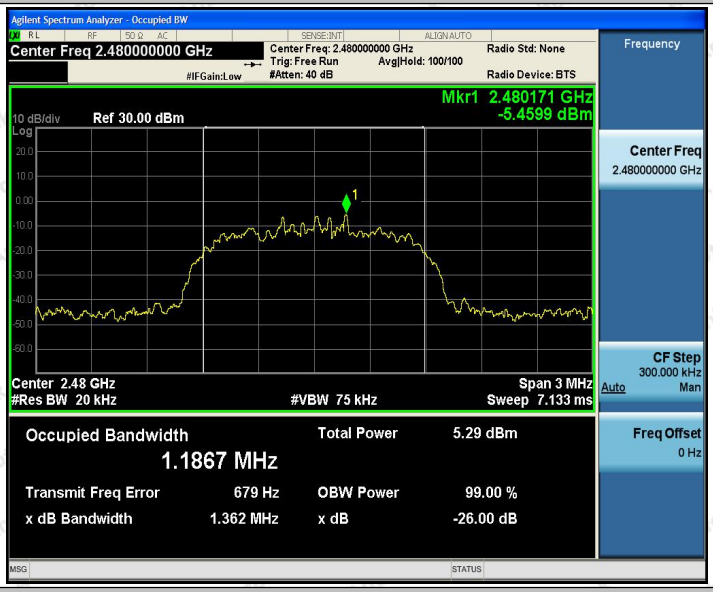
2DH5_Ant1_2402



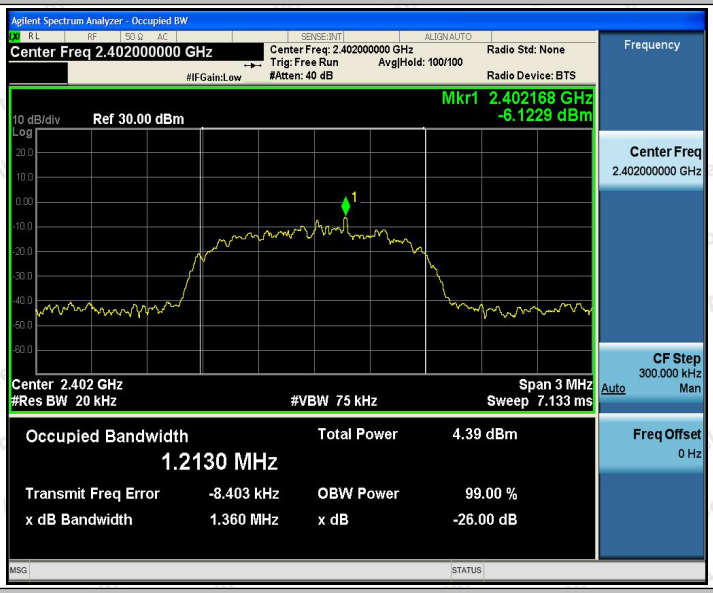
2DH5_Ant1_2441



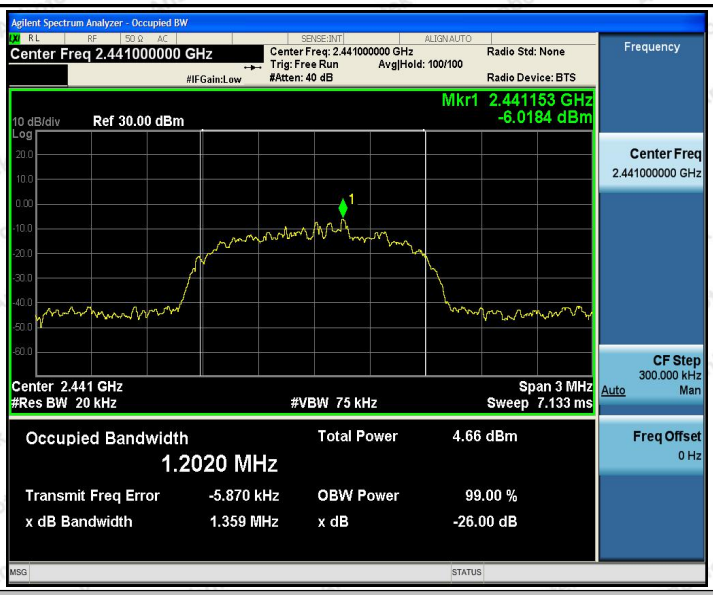
2DH5_Ant1_2480



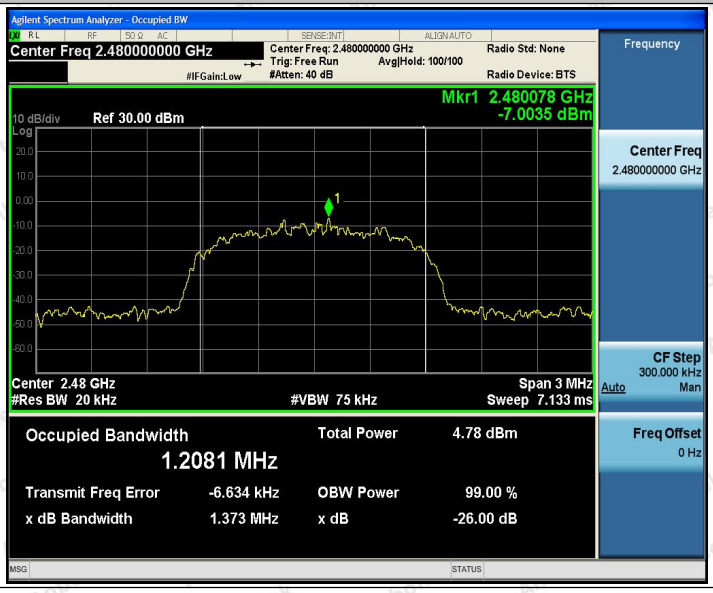
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



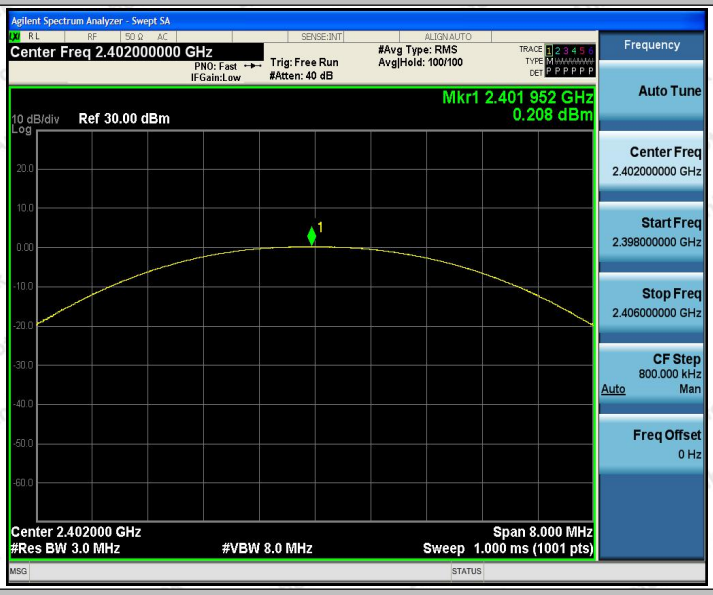
Appendix C: Maximum conducted output power

Test Result

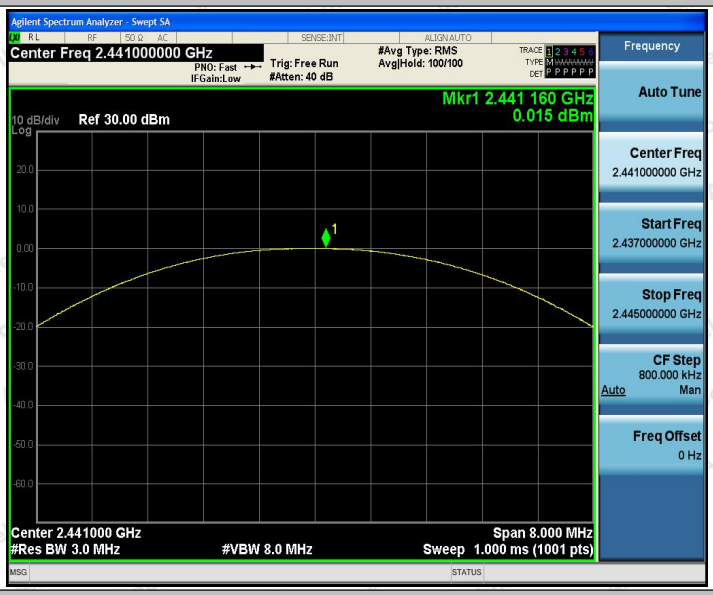
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.21	≤20.97	PASS
		2441	0.02	≤20.97	PASS
		2480	0.7	≤20.97	PASS
2DH5	Ant1	2402	-0.71	≤20.97	PASS
		2441	-0.8	≤20.97	PASS
		2480	-0.09	≤20.97	PASS
3DH5	Ant1	2402	-0.56	≤20.97	PASS
		2441	-0.65	≤20.97	PASS
		2480	0.09	≤20.97	PASS

Test Graphs

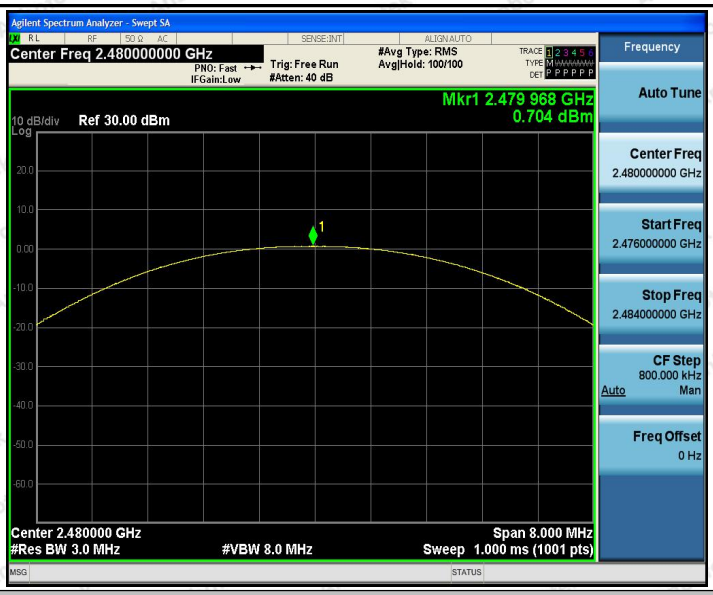
DH5_Ant1_2402



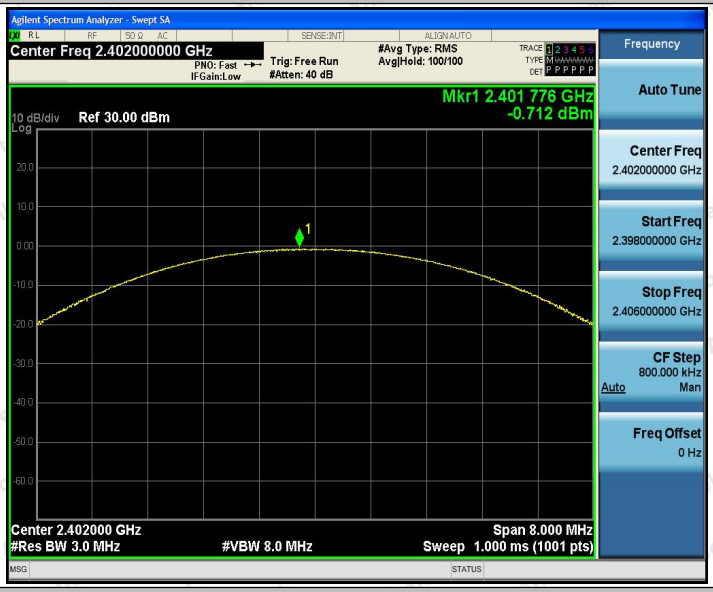
DH5_Ant1_2441



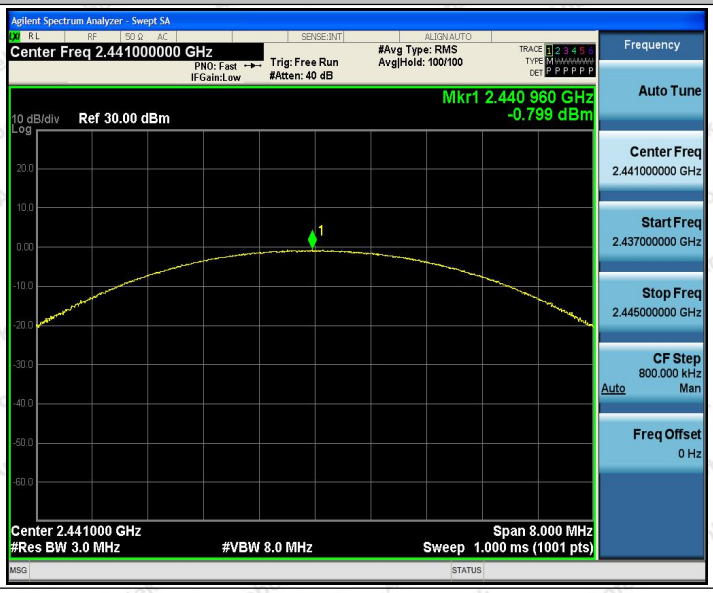
DH5_Ant1_2480



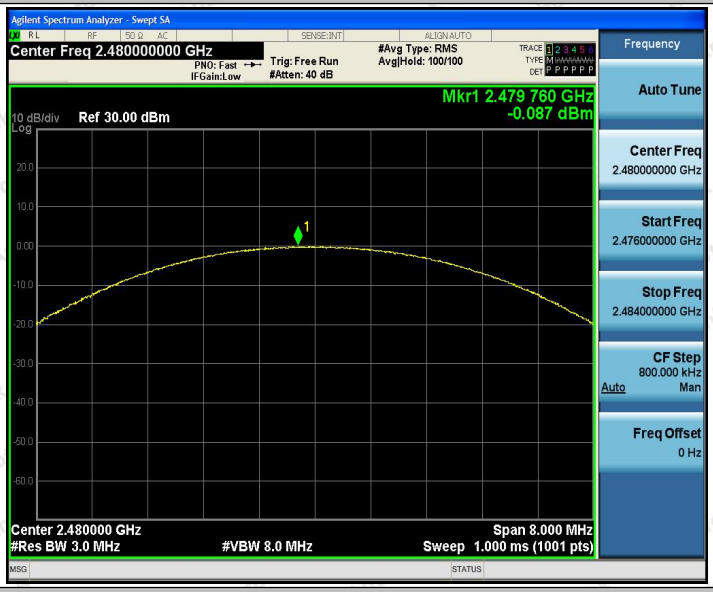
2DH5_Ant1_2402



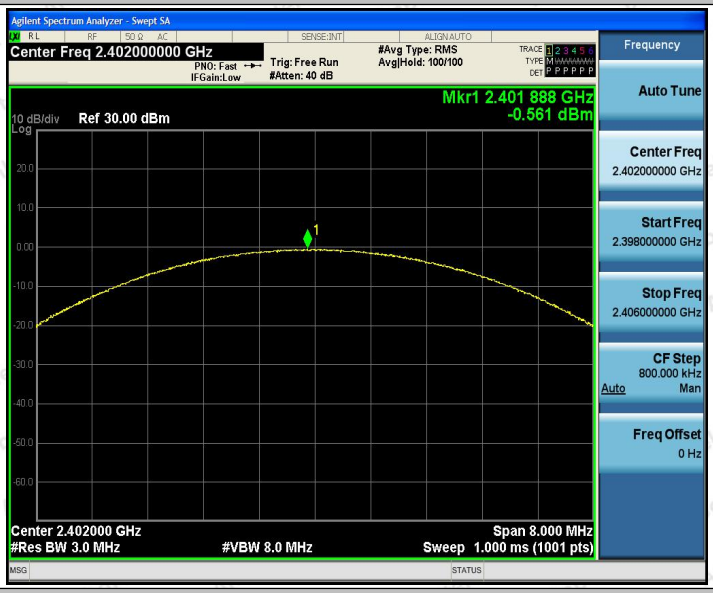
2DH5_Ant1_2441



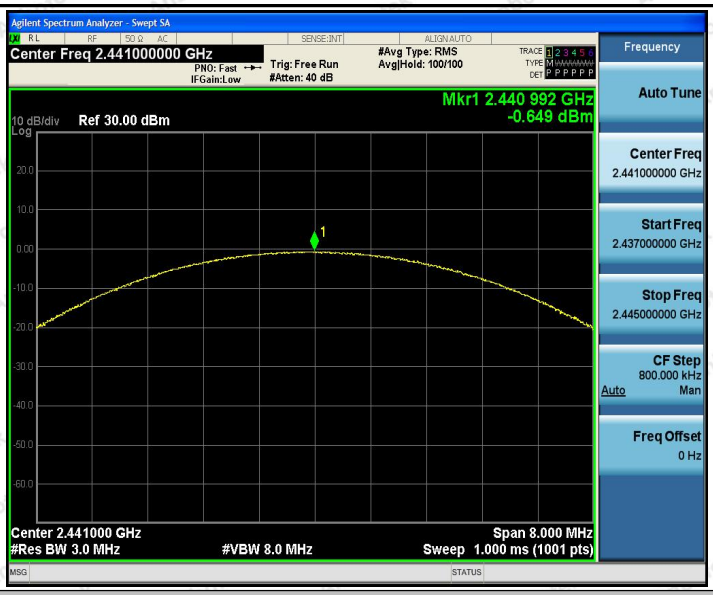
2DH5_Ant1_2480



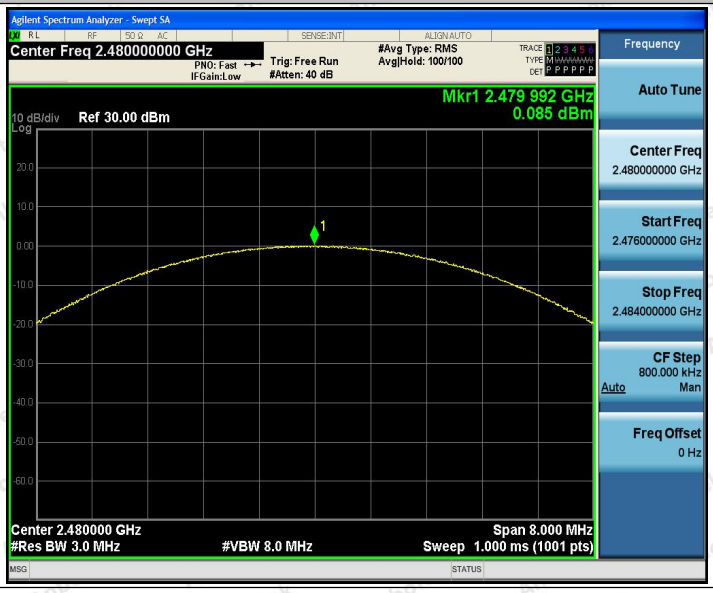
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix D: Carrier frequency separation

Test Result

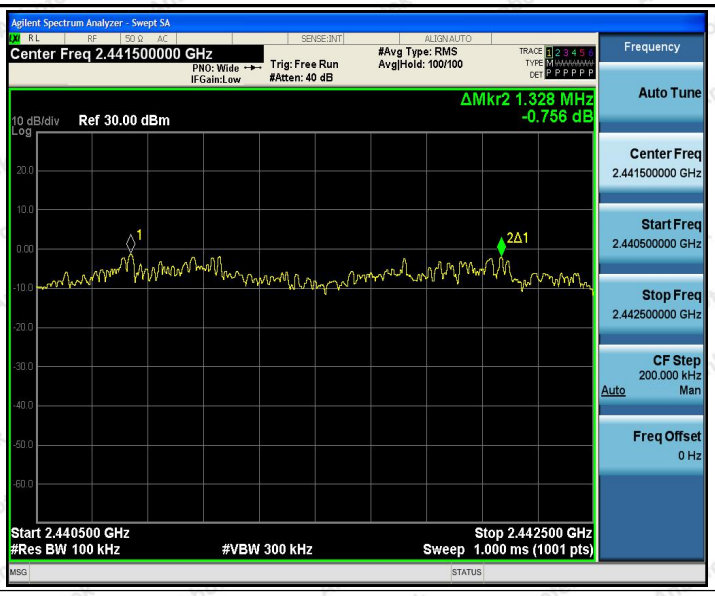
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.034	≥0.948	PASS
2DH5	Ant1	Hop	1.212	≥0.882	PASS
3DH5	Ant1	Hop	1.328	≥0.876	PASS

Test Graphs

DH5_Ant1_Hop

2DH5_Ant1_Hop

3DH5_Ant1_Hop


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 100/100
ΔMkr2 1.328 MHz
-0.756 dB
10 dB/div
Log
Ref 30.00 dBm
Start 2.440500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.442500 GHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
2.441500000 GHz
Start Freq
2.440500000 GHz
Stop Freq
2.442500000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

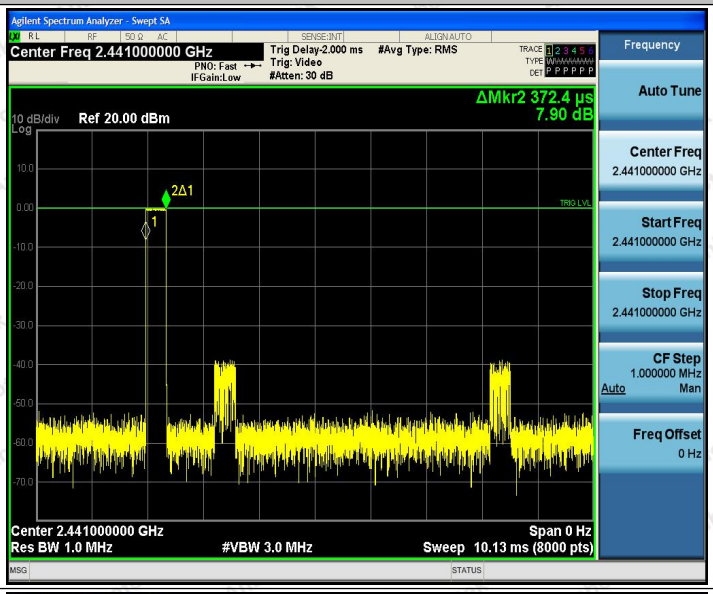
Appendix E: Time of occupancy

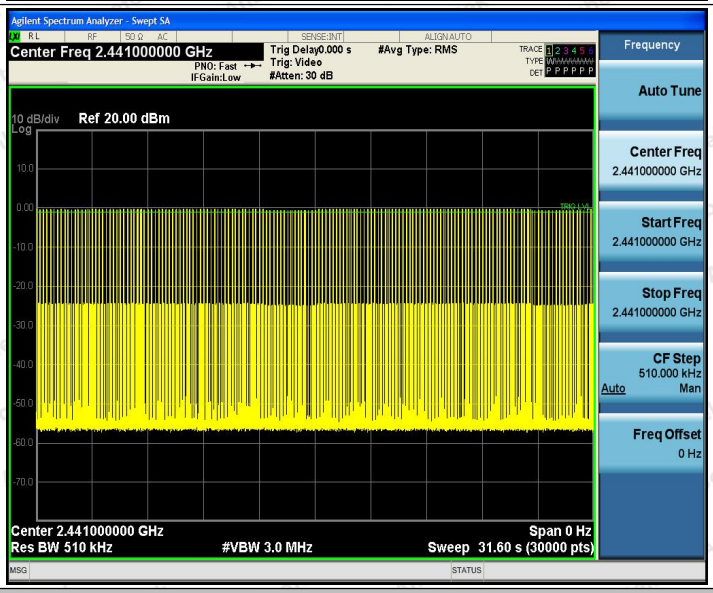
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	313	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.63	157	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.88	107	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.38	313	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.63	158	0.258	≤0.4	PASS
2DH5	Ant1	Hop	2.88	108	0.311	≤0.4	PASS
3DH1	Ant1	Hop	0.38	313	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.63	156	0.254	≤0.4	PASS
3DH5	Ant1	Hop	2.88	112	0.323	≤0.4	PASS

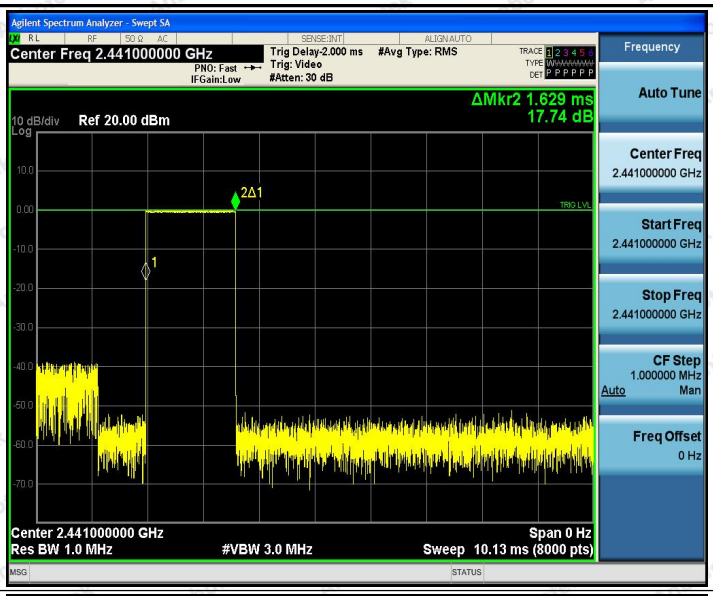
Test Graphs

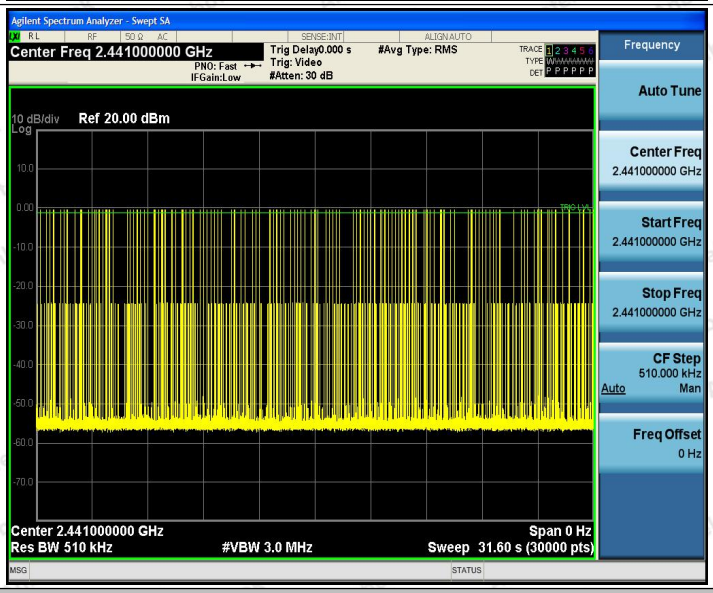
DH1_Ant1_Hop



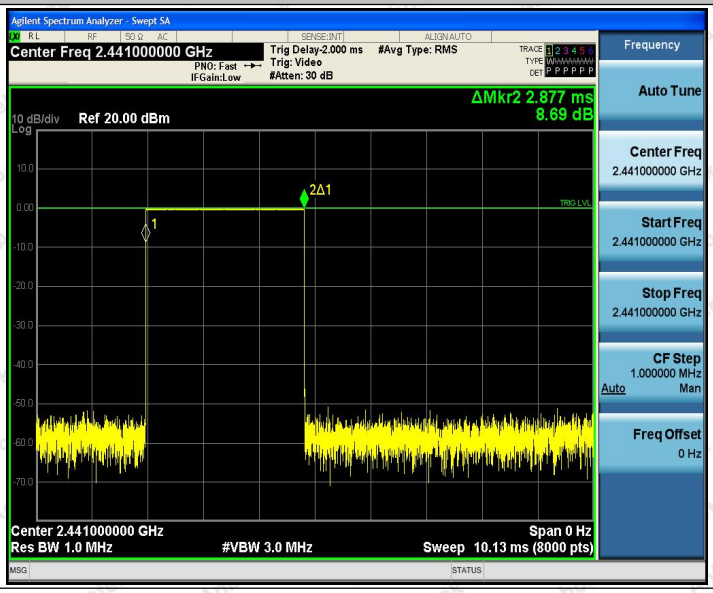


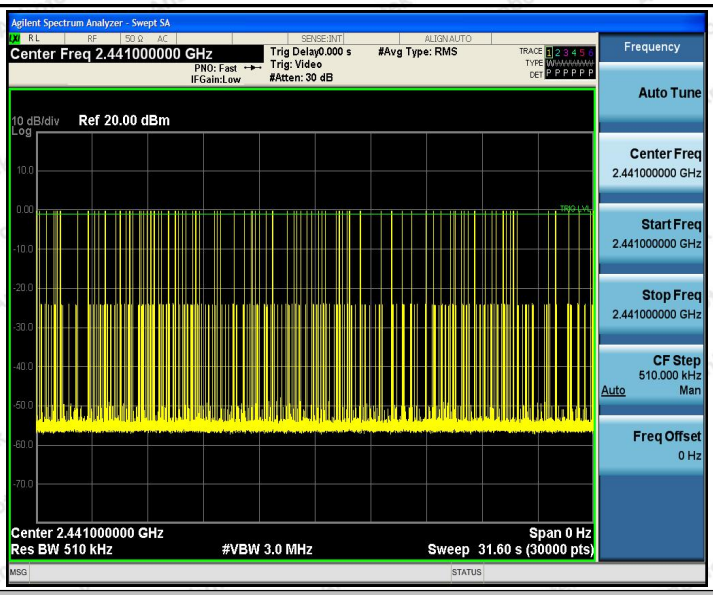
DH3_Ant1_Hop


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
Trig Delay-2.000 ms
#Avg Type: RMS
Trig: Video
#Atten: 30 dB
PNO: Fast
IFGain:Low
ΔMkr2 1.629 ms
17.74 dB
10 dB/div
Ref 20.00 dBm
Log
2Δ1
1
Center 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 10.13 ms (8000 pts)
Frequency
Auto Tune
Center Freq
2.441000000 GHz
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

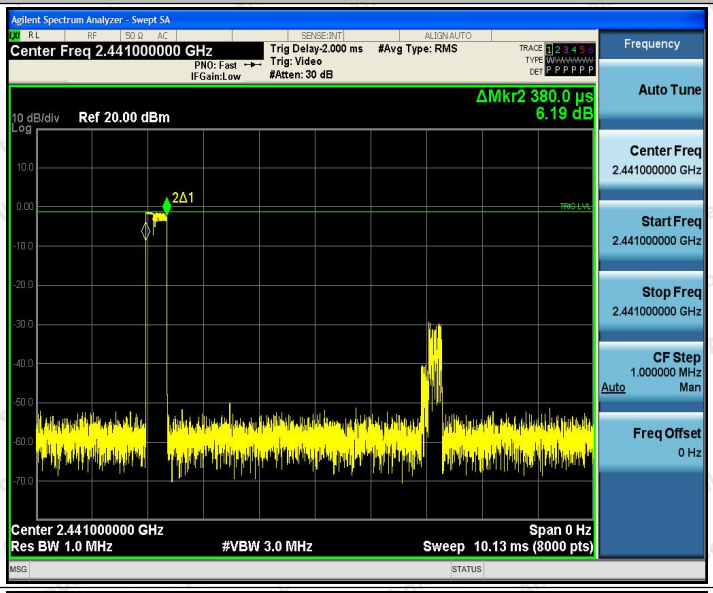

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
Trig Delay0.000 s
#Avg Type: RMS
Trig: Video
#Atten: 30 dB
PNO: Fast
IFGain:Low
10 dB/div
Ref 20.00 dBm
Log
Center 2.441000000 GHz
Res BW 510 kHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 31.60 s (30000 pts)
Frequency
Auto Tune
Center Freq
2.441000000 GHz
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
CF Step
510.000 kHz
Auto
Man
Freq Offset
0 Hz

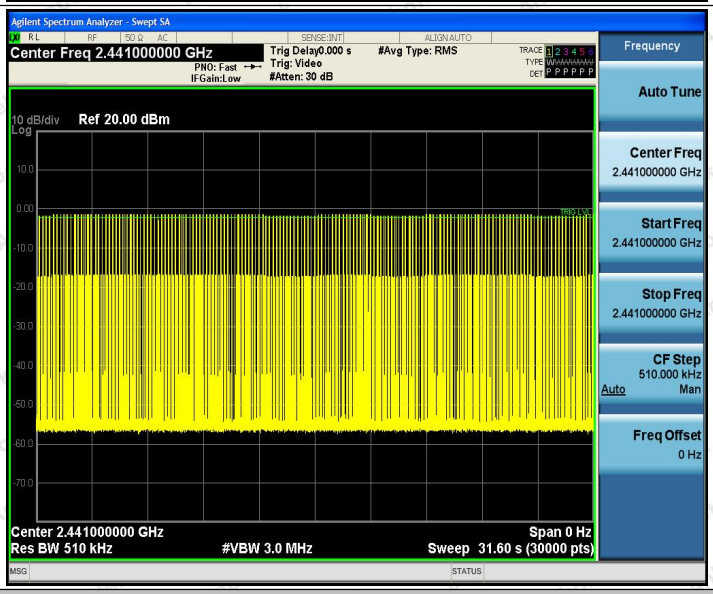
DH5_Ant1_Hop


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
Trig Delay-2.000 ms
#Avg Type: RMS
Trig: Video
#Atten: 30 dB
PNO: Fast
IFGain:Low
ΔMkr2 2.877 ms
8.69 dB
10 dB/div
Ref 20.00 dBm
Log
2Δ1
1
Center 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 10.13 ms (8000 pts)
Frequency
Auto Tune
Center Freq
2.441000000 GHz
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz



2DH1_Ant1_Hop





2DH3_Ant1_Hop