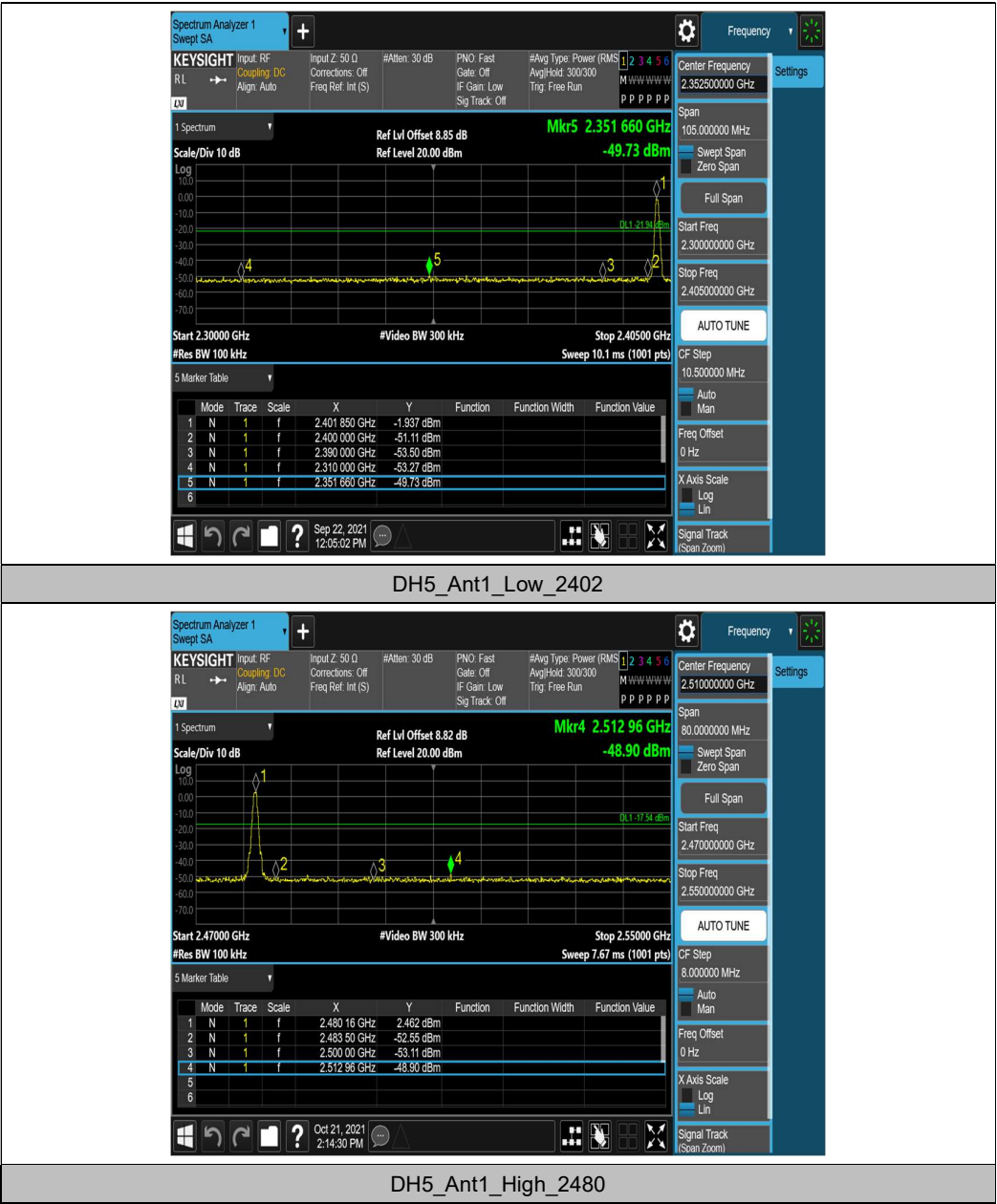


Test Graphs



Spectrum Analyzer 1

Swept SA

KEYSIGHT

Input: RF

Coupling: DC

Align: Auto

Input Z: 50 Ω

Corrections: Off

Freq Ref: Int (S)

#Atten: 30 dB

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

#Avg Type: Power (RMS)

Avg/Hold: 300/300

Trig: Free Run

1 2 3 4 5 6

M W W W W W

P P P P P P

Center Frequency

2.510000000 GHz

Span

80.0000000 MHz

Swept Span

Zero Span

Full Span

Start Freq

2.470000000 GHz

Stop Freq

2.550000000 GHz

AUTO TUNE

CF Step

8.000000 MHz

Auto

Man

Freq Offset

0 Hz

X Axis Scale

Log

Lin

Signal Track

(Span Zoom)

1 Spectrum

Ref Lvl Offset 8.82 dB

Mkr4 2.512 96 GHz

-48.90 dBm

Ref Level 20.00 dBm

Scale/Div 10 dB

Log

Start 2.47000 GHz

#Res BW 100 kHz

#Video BW 300 kHz

Stop 2.55000 GHz

Sweep 7.67 ms (1001 pts)

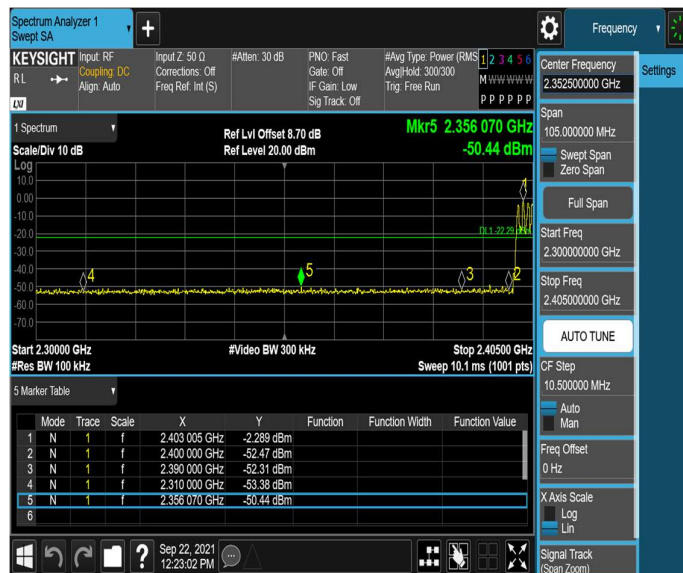
5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.480 16 GHz	2.462 dBm		
2	N	1	f	2.483 50 GHz	-52.55 dBm		
3	N	1	f	2.500 00 GHz	-53.11 dBm		
4	N	1	f	2.512 96 GHz	-48.90 dBm		
5							
6							

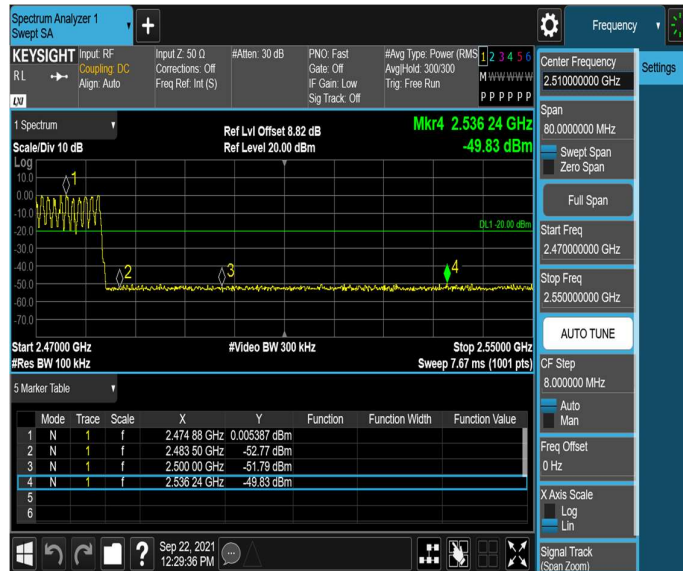
Oct 21, 2021

2:14:30 PM

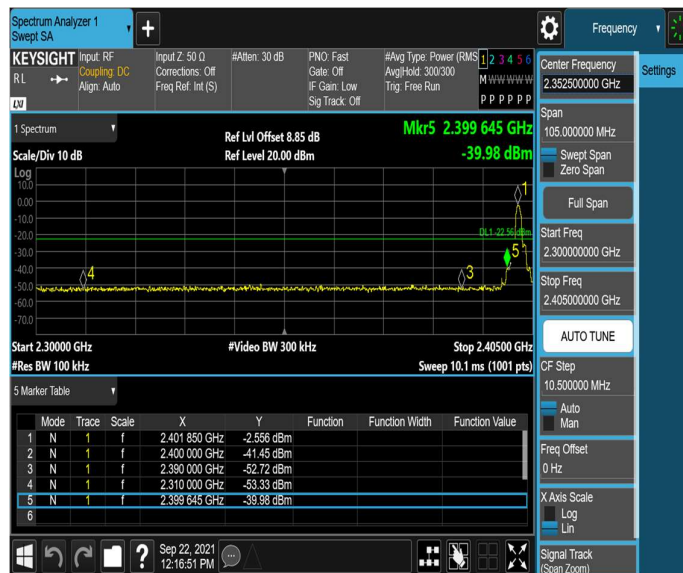
DH5_Ant1_High_2480



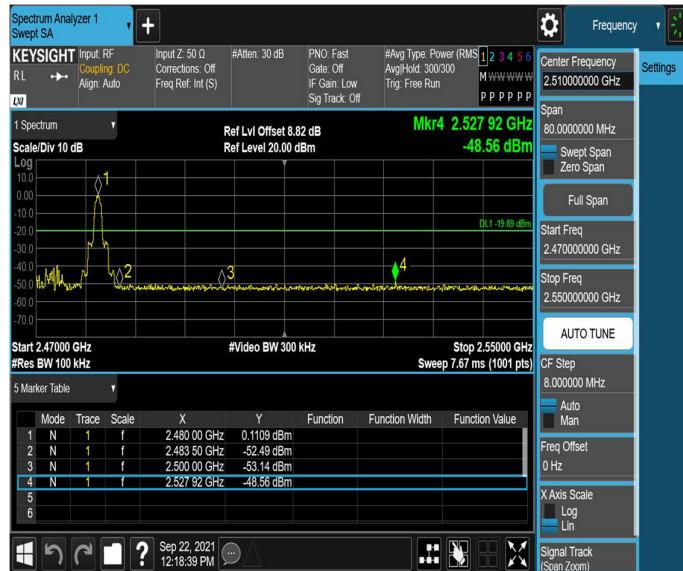
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



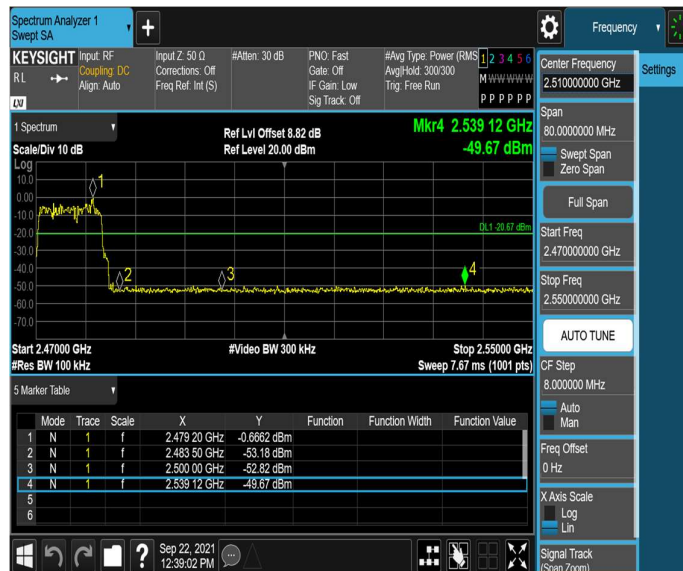
2DH5_Ant1_Low_2402



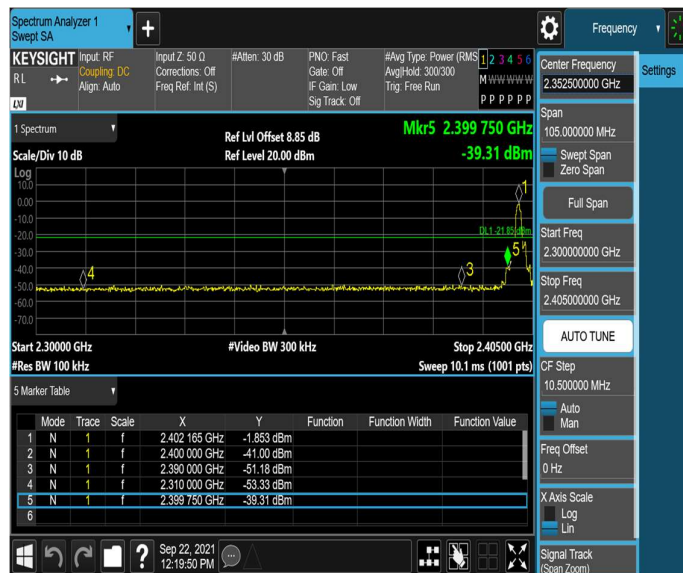
2DH5_Ant1_High_2480



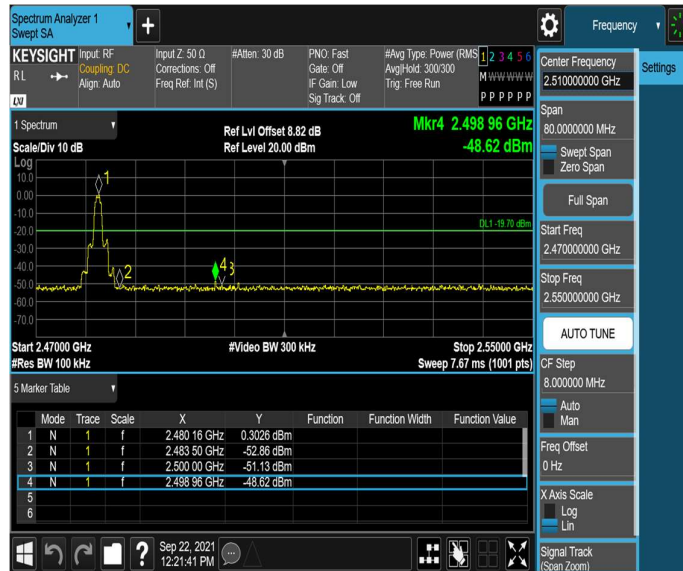
2DH5_Ant1_Low_Hop_2402



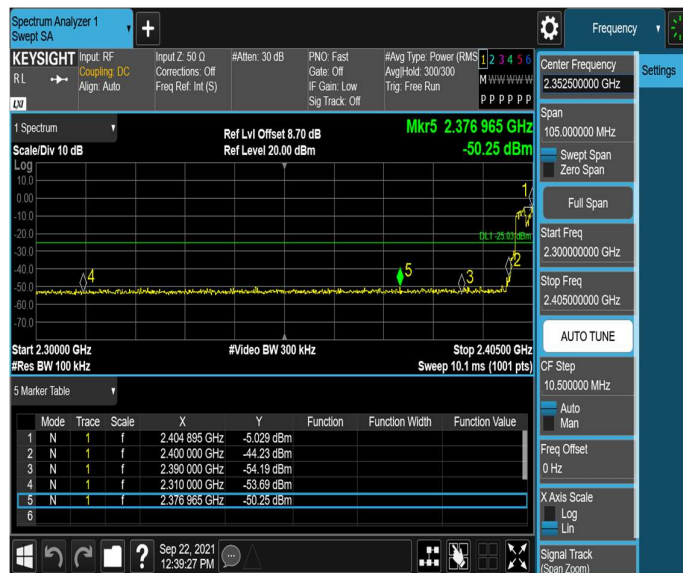
2DH5_Ant1_High_Hop_2480



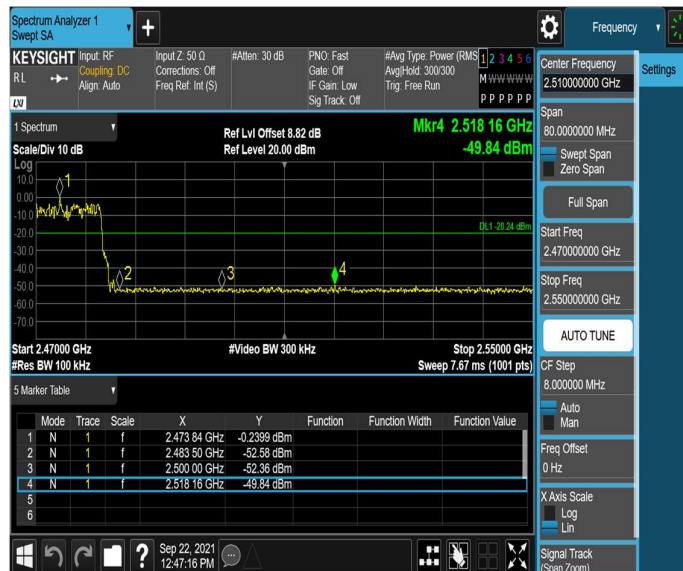
3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



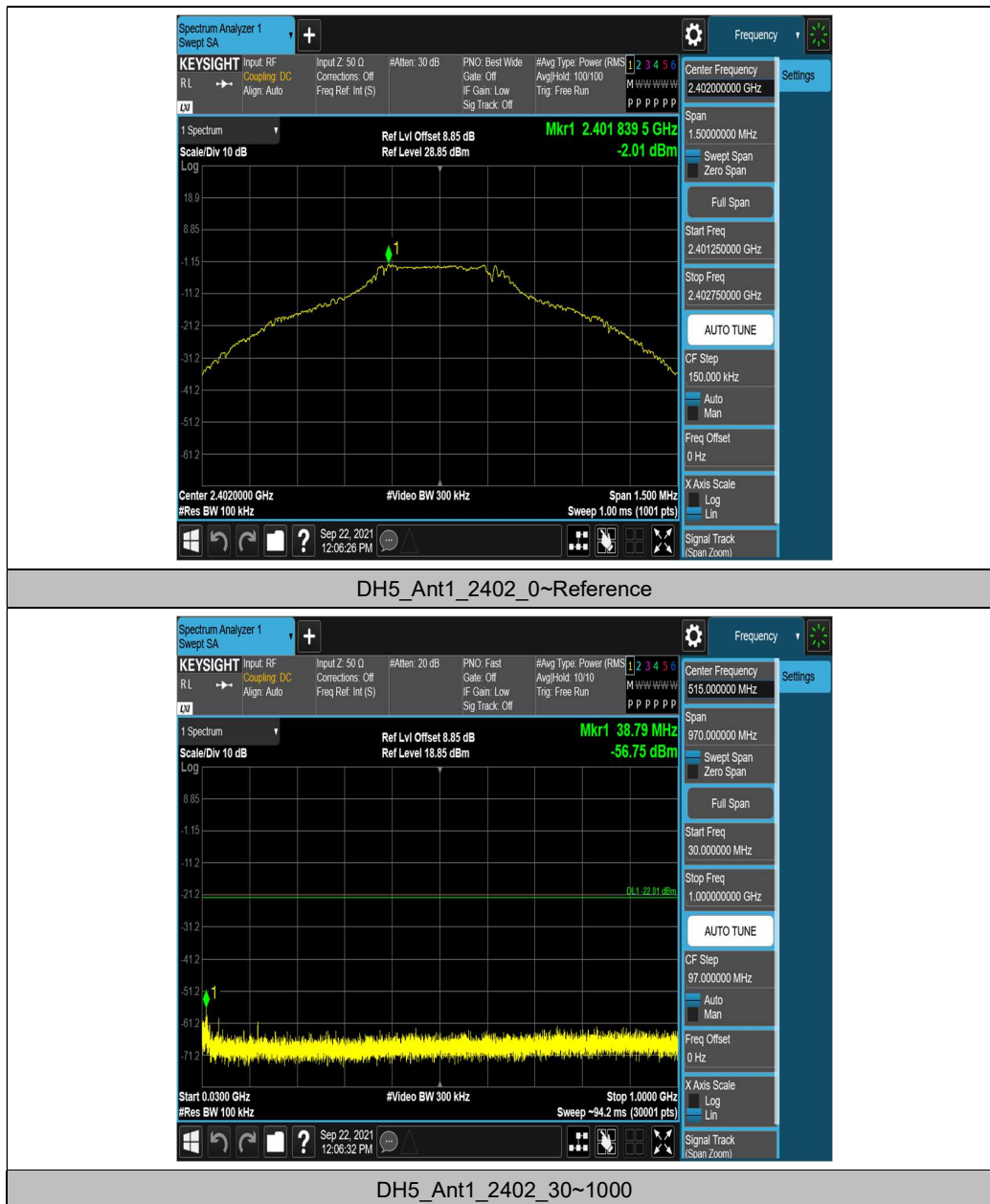
3DH5_Ant1_High_Hop_2480

Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.01	-2.01	---	PASS
			30~1000	-2.01	-56.75	≤-22.01	PASS
			1000~26500	-2.01	-53.21	≤-22.01	PASS
		2441	Reference	0.48	0.48	---	PASS
			30~1000	0.48	-56.45	≤-19.52	PASS
			1000~26500	0.48	-52.38	≤-19.52	PASS
		2480	Reference	2.10	2.10	---	PASS
			30~1000	2.10	-56.53	≤-17.9	PASS
			1000~26500	2.10	-53.53	≤-17.9	PASS
2DH5	Ant1	2402	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-56.07	≤-18.79	PASS
			1000~26500	1.21	-53.85	≤-18.79	PASS
		2441	Reference	1.65	1.65	---	PASS
			30~1000	1.65	-54.65	≤-18.35	PASS
			1000~26500	1.65	-53.88	≤-18.35	PASS
		2480	Reference	1.87	1.87	---	PASS
			30~1000	1.87	-55.8	≤-18.13	PASS
			1000~26500	1.87	-53.58	≤-18.13	PASS
3DH5	Ant1	2402	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-56.8	≤-19.58	PASS
			1000~26500	0.42	-53.93	≤-19.58	PASS
		2441	Reference	2.13	2.13	---	PASS
			30~1000	2.13	-55.15	≤-17.87	PASS
			1000~26500	2.13	-53.43	≤-17.87	PASS
		2480	Reference	2.61	2.61	---	PASS
			30~1000	2.61	-55.31	≤-17.4	PASS
			1000~26500	2.61	-53.57	≤-17.4	PASS

Test Graphs

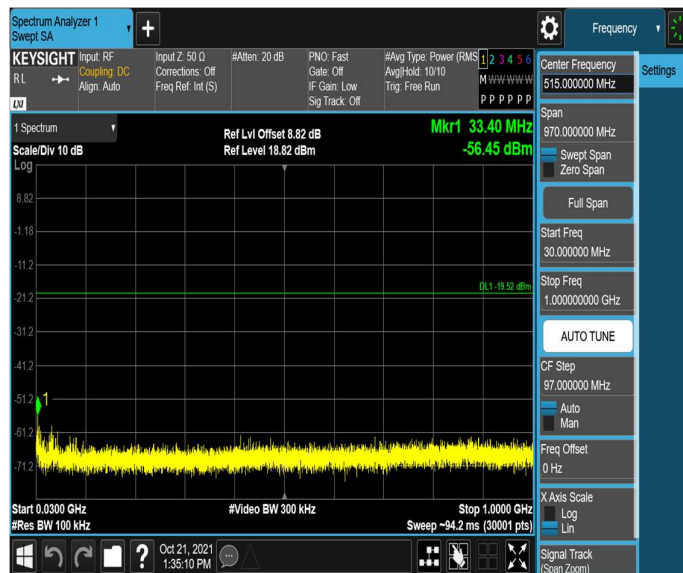




DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



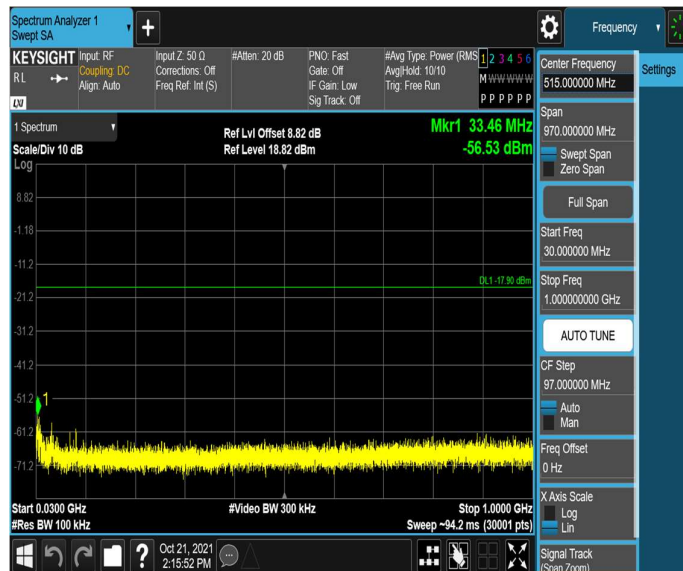
DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



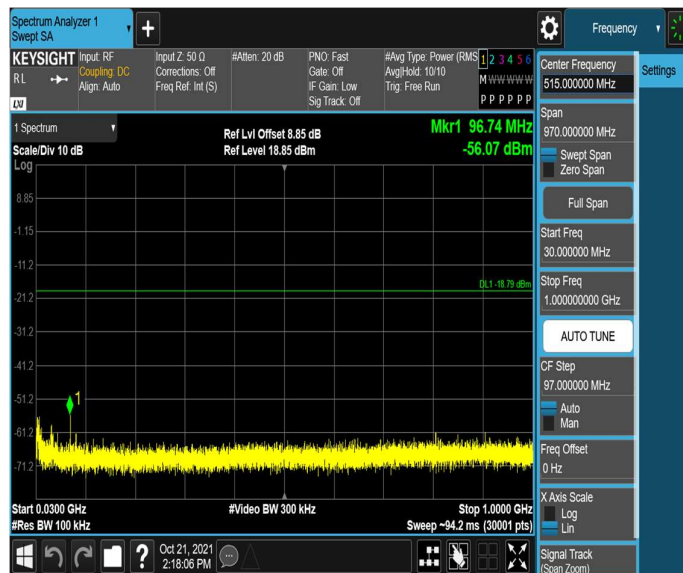
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



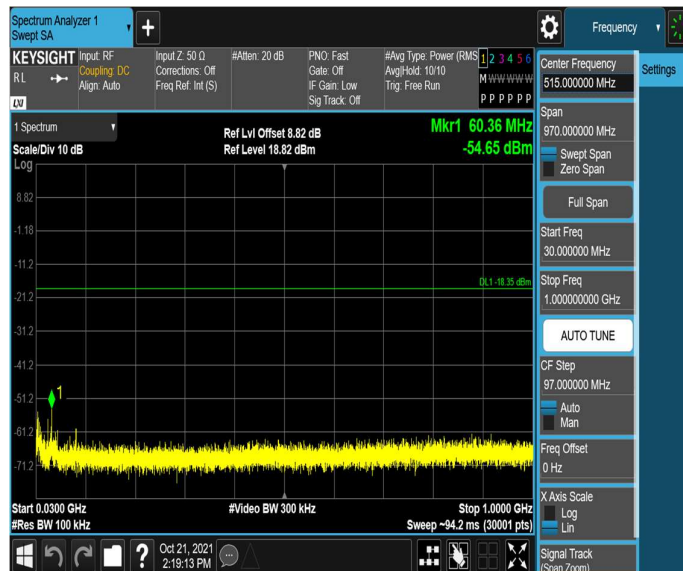
2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



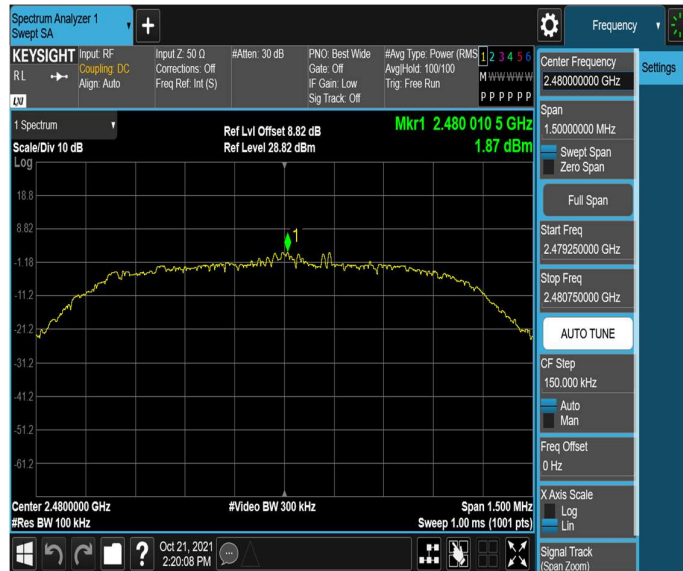
2DH5_Ant1_2441_0~Reference



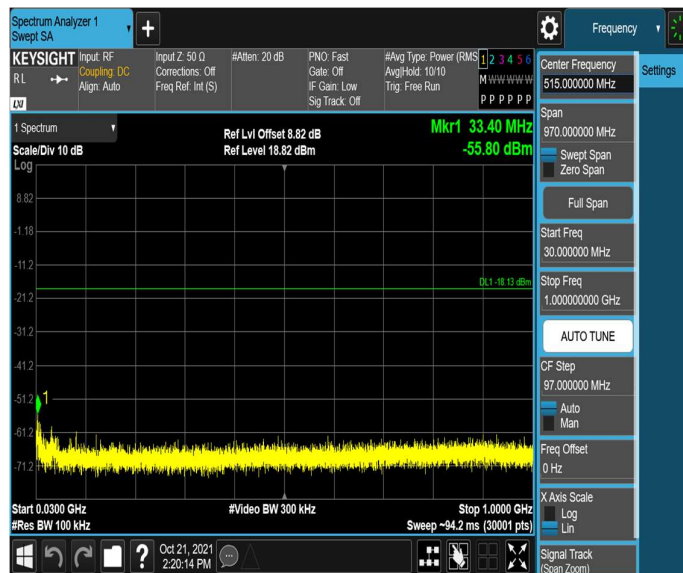
2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference



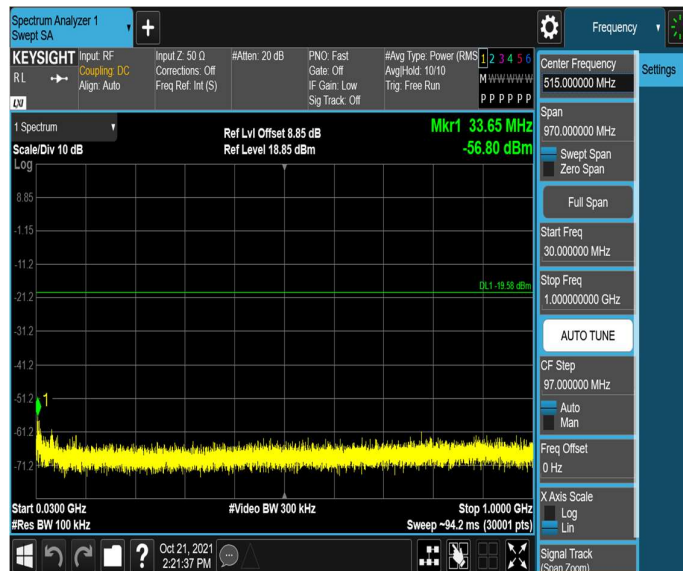
2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



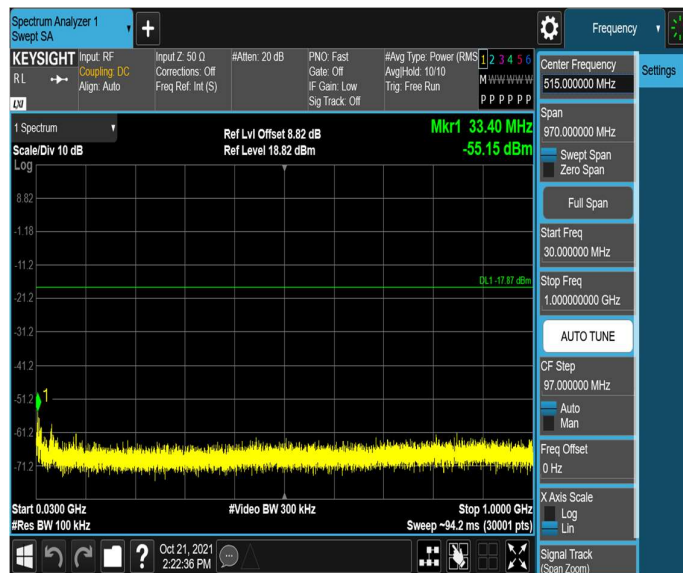
3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



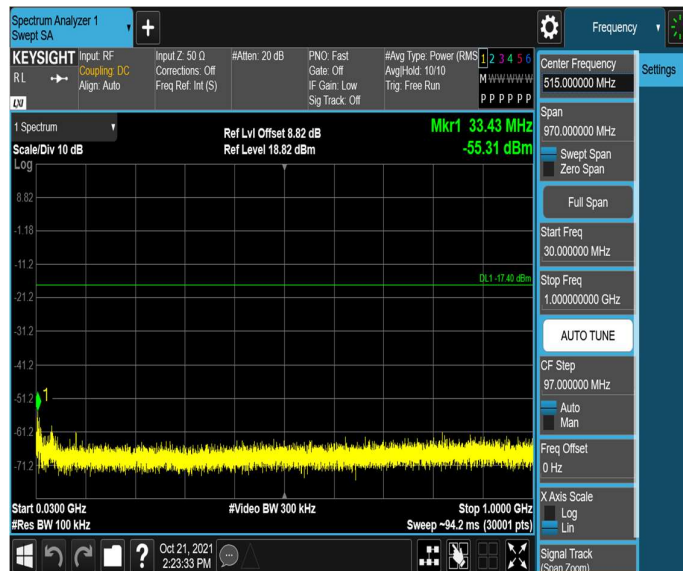
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000