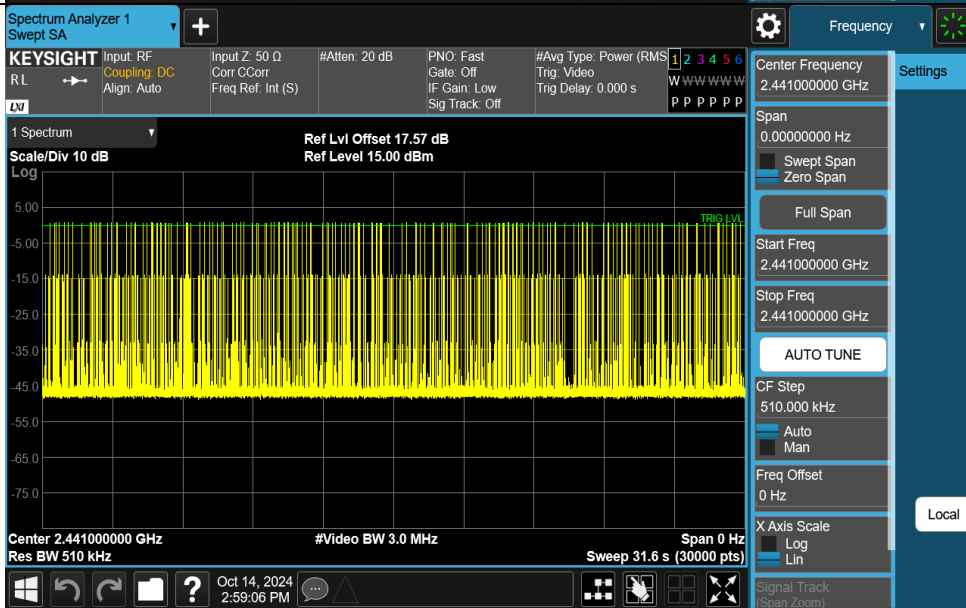
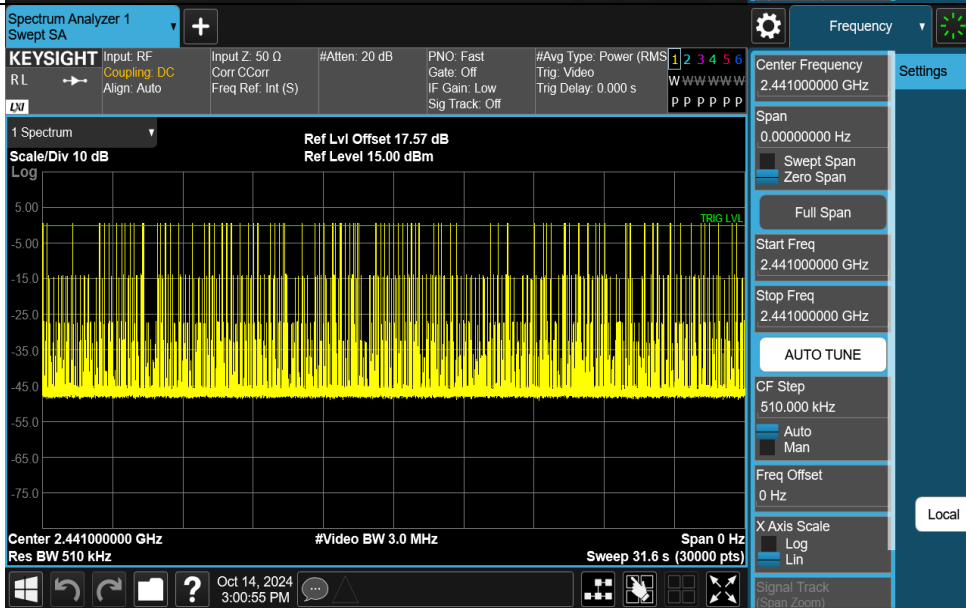
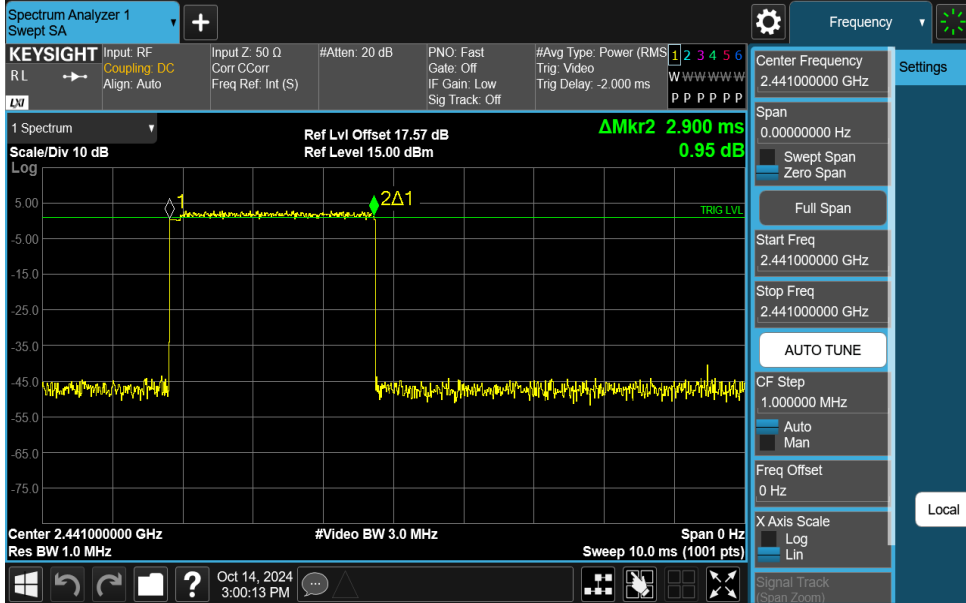


3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



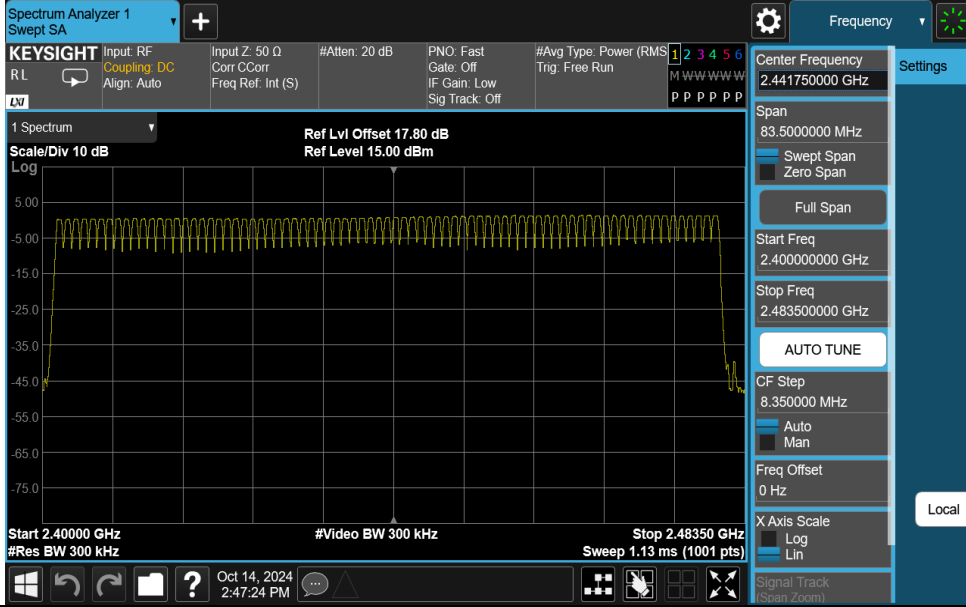


Appendix E: Number of hopping channels
Test Result

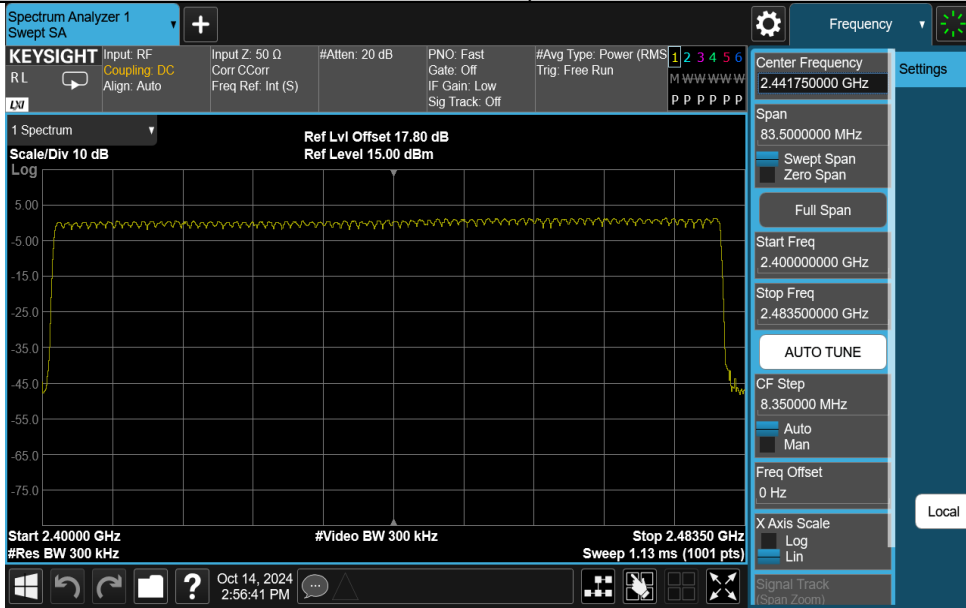
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

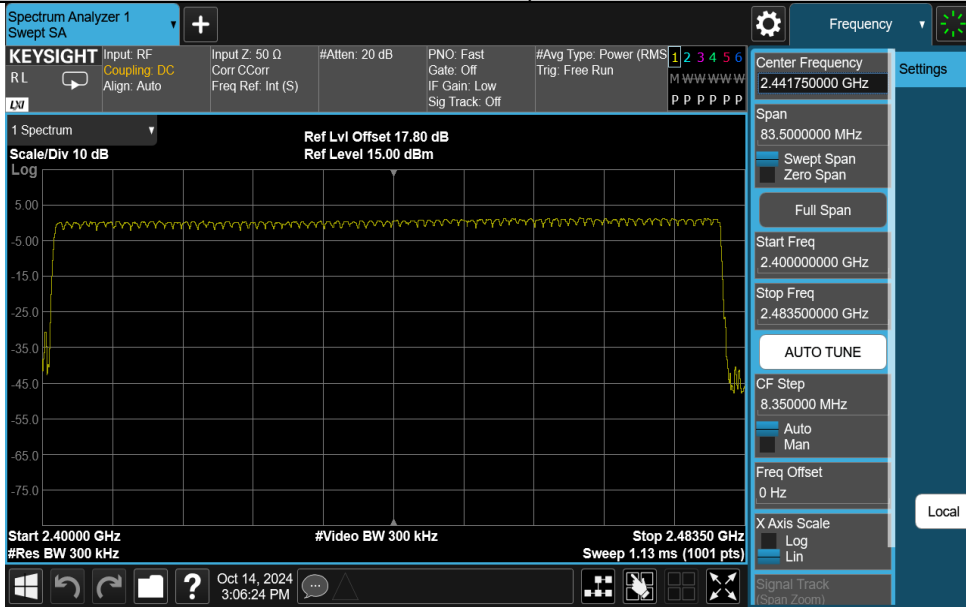
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



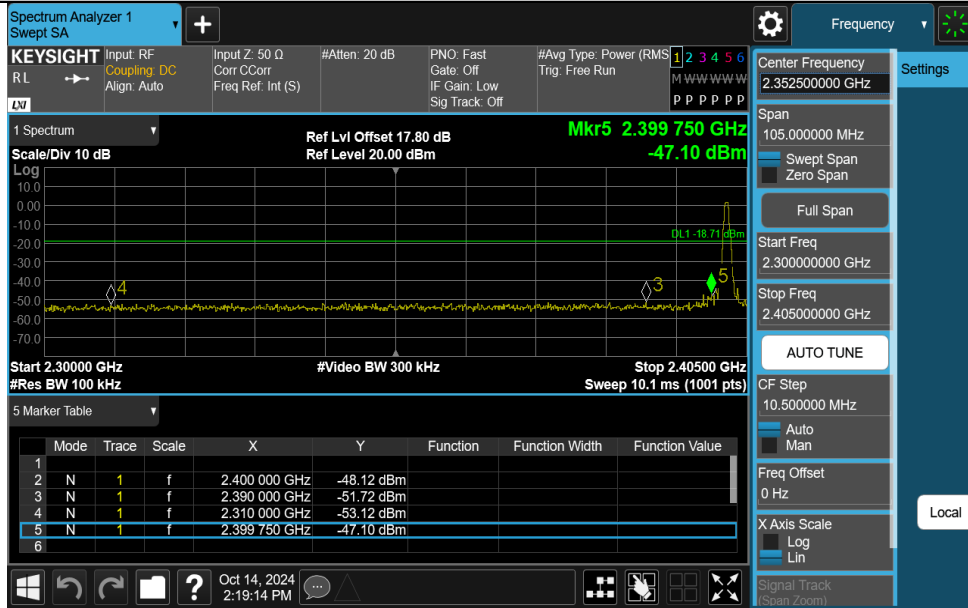
Appendix F: Band edge measurements

Test Result

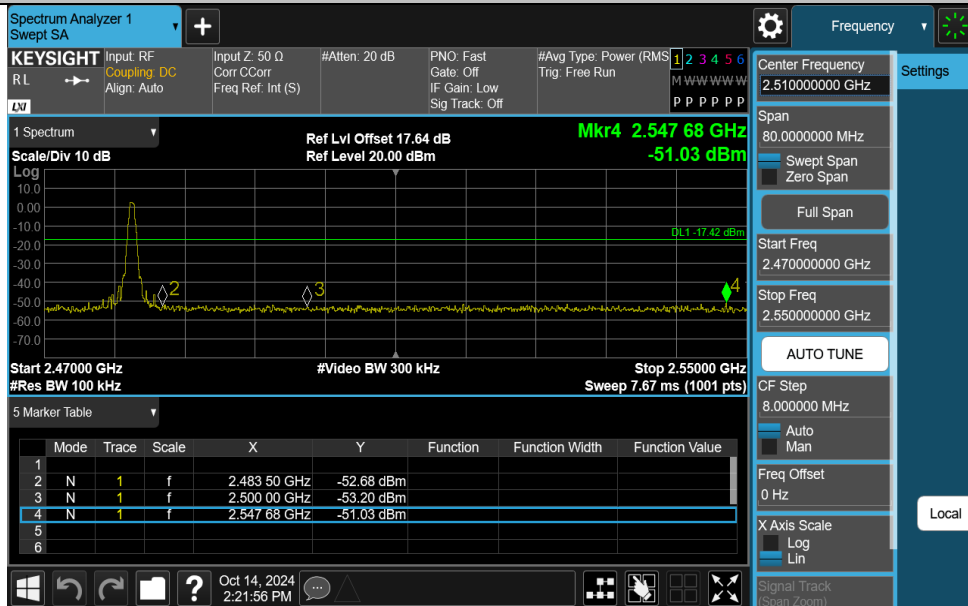
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.29	-47.1	≤-18.71	PASS
DH5	Ant1	High	2480	2.58	-51.03	≤-17.42	PASS
DH5	Ant1	Low	Hop_2402	-1.02	-51.12	≤-21.02	PASS
DH5	Ant1	High	Hop_2480	0.78	-49.24	≤-19.22	PASS
2DH5	Ant1	Low	2402	-0.53	-46.08	≤-20.53	PASS
2DH5	Ant1	High	2480	0.46	-50.97	≤-19.54	PASS
2DH5	Ant1	Low	Hop_2402	-0.70	-51	≤-20.7	PASS
2DH5	Ant1	High	Hop_2480	0.52	-50.84	≤-19.48	PASS
3DH5	Ant1	Low	2402	-0.55	-44.6	≤-20.55	PASS
3DH5	Ant1	High	2480	0.59	-51.19	≤-19.41	PASS
3DH5	Ant1	Low	Hop_2402	-0.28	-50.5	≤-20.28	PASS
3DH5	Ant1	High	Hop_2480	0.26	-50.43	≤-19.74	PASS

Test Graphs

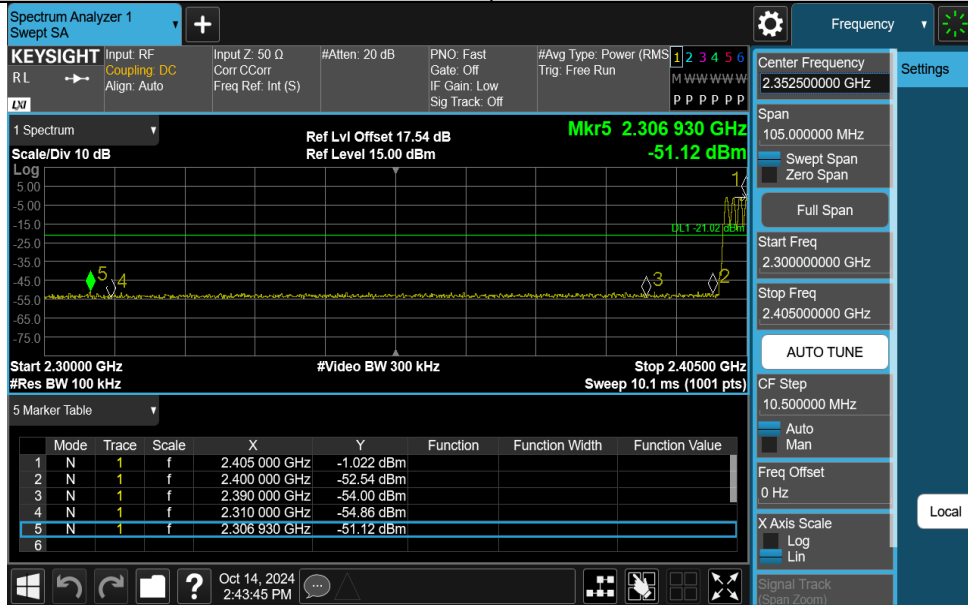
DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS



DH5-Ant1-Hop_2480-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: CCorr Freq Ref: Int (S) #Atten: 20 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Free Run

Center Frequency: 2.510000000 GHz

Span: 80.0000000 MHz

Scale/Div 10 dB

Ref Lvl Offset 17.50 dB

Ref Level 15.00 dBm

Mkr4 2.504 64 GHz -49.24 dBm

Start 2.47000 GHz #Res BW 100 kHz #Video BW 300 kHz Stop 2.55000 GHz Sweep 7.67 ms (1001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.470 88 GHz	0.7817 dBm		
2	N	1	f	2.483 50 GHz	-53.23 dBm		
3	N	1	f	2.500 00 GHz	-52.83 dBm		
4	N	1	f	2.504 64 GHz	-49.24 dBm		
5							
6							

Oct 14, 2024 2:43:25 PM

2DH5-Ant1-2402-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: CCorr Freq Ref: Int (S) #Atten: 20 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Free Run

Center Frequency: 2.352500000 GHz

Span: 105.0000000 MHz

Scale/Div 10 dB

Ref Lvl Offset 17.80 dB

Ref Level 20.00 dBm

Mkr5 2.399 750 GHz -46.08 dBm

Start 2.30000 GHz #Res BW 100 kHz #Video BW 300 kHz Stop 2.40500 GHz Sweep 10.1 ms (1001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2	N	1	f	2.400 000 GHz	-47.96 dBm		
3	N	1	f	2.380 000 GHz	-52.94 dBm		
4	N	1	f	2.310 000 GHz	-53.39 dBm		
5	N	1	f	2.399 750 GHz	-46.08 dBm		
6							

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2DH5-Ant1-2480-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: CCorr Freq Ref: Int (S) #Atten: 20 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Free Run

Center Frequency: 2.510000000 GHz

Span: 80.0000000 MHz

Scale/Div 10 dB

Ref Lvl Offset 17.64 dB

Ref Level 20.00 dBm

Mkr4 2.483 76 GHz -50.97 dBm

Start 2.47000 GHz #Res BW 100 kHz #Video BW 300 kHz Stop 2.55000 GHz Sweep 7.67 ms (1001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2	N	1	f	2.483 50 GHz	-54.64 dBm		
3	N	1	f	2.500 00 GHz	-52.78 dBm		
4	N	1	f	2.483 76 GHz	-50.97 dBm		
5							
6							

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2DH5-Ant1-Hop_2402-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 20 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Free Run

Center Frequency: 2.352500000 GHz

Span: 105.000000 MHz

Scale/Div: 10 dB

Ref Lvl Offset: 17.54 dB

Ref Level: 15.00 dBm

Mkr5: 2.386 520 GHz

-51.00 dBm

Start: 2.30000 GHz

#Res BW: 100 kHz

#Video BW: 300 kHz

Stop: 2.40500 GHz

Sweep: 10.1 ms (1001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.403 005 GHz	-0.7041 dBm		
2	N	1	f	2.400 000 GHz	-52.50 dBm		
3	N	1	f	2.390 000 GHz	-53.06 dBm		
4	N	1	f	2.310 000 GHz	-53.10 dBm		
5	N	1	f	2.386 520 GHz	-51.00 dBm		
6							

Oct 14, 2024 2:52:24 PM

2DH5-Ant1-Hop_2480-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 20 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Free Run

Center Frequency: 2.510000000 GHz

Span: 80.000000 MHz

Scale/Div: 10 dB

Ref Lvl Offset: 17.59 dB

Ref Level: 15.00 dBm

Mkr4: 2.498 80 GHz

-50.84 dBm

Start: 2.47000 GHz

#Res BW: 100 kHz

#Video BW: 300 kHz

Stop: 2.55000 GHz

Sweep: 7.67 ms (1001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.478 16 GHz	0.5215 dBm		
2	N	1	f	2.483 50 GHz	-52.34 dBm		
3	N	1	f	2.500 00 GHz	-52.50 dBm		
4	N	1	f	2.498 80 GHz	-50.84 dBm		
5							
6							

Oct 14, 2024 2:51:41 PM

3DH5-Ant1-2402-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 20 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Free Run

Center Frequency: 2.352500000 GHz

Span: 105.000000 MHz

Scale/Div: 10 dB

Ref Lvl Offset: 17.80 dB

Ref Level: 20.00 dBm

Mkr5: 2.399 540 GHz

-44.60 dBm

Start: 2.30000 GHz

#Res BW: 100 kHz

#Video BW: 300 kHz

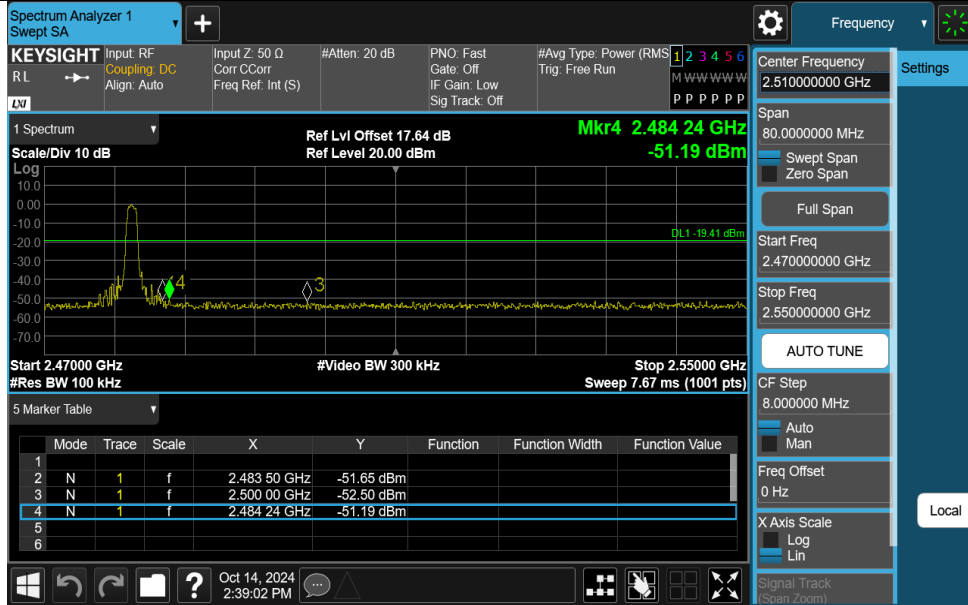
Stop: 2.40500 GHz

Sweep: 10.1 ms (1001 pts)

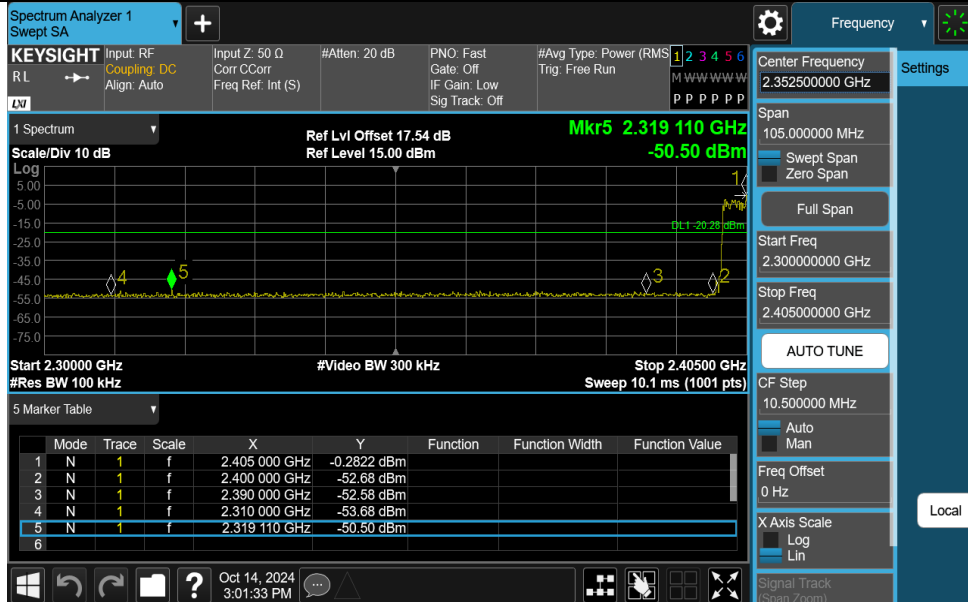
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2	N	1	f	2.400 000 GHz	-53.53 dBm		
3	N	1	f	2.390 000 GHz	-54.98 dBm		
4	N	1	f	2.310 000 GHz	-53.62 dBm		
5	N	1	f	2.399 540 GHz	-44.60 dBm		
6							

Oct 14, 2024 2:36:30 PM

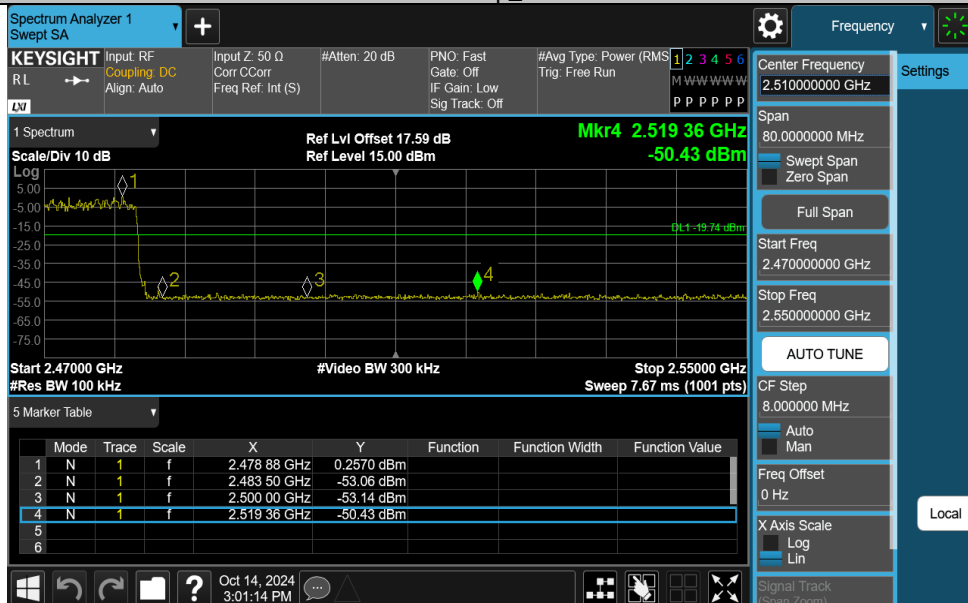
3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



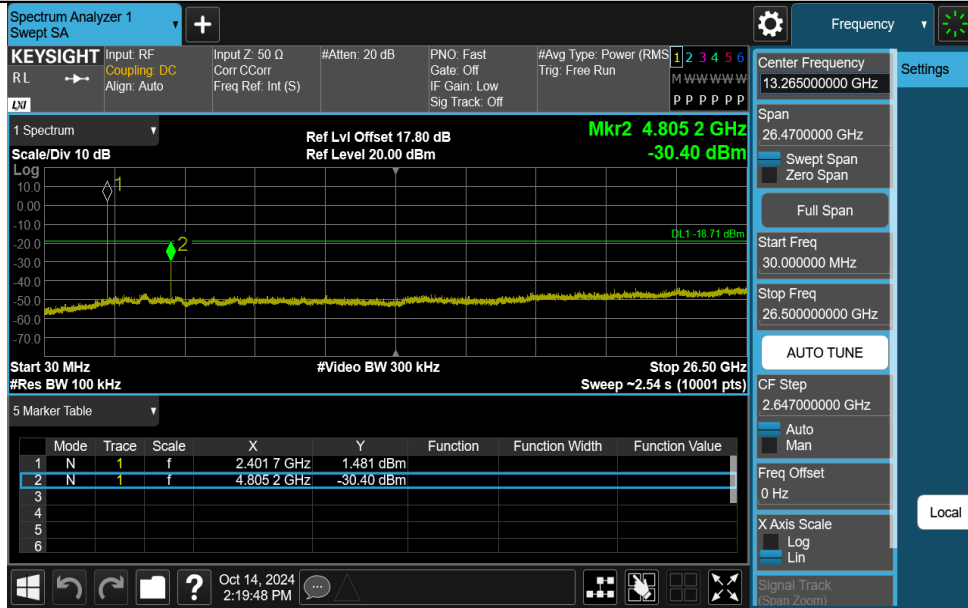


Appendix G: Conducted Spurious Emission Test Result

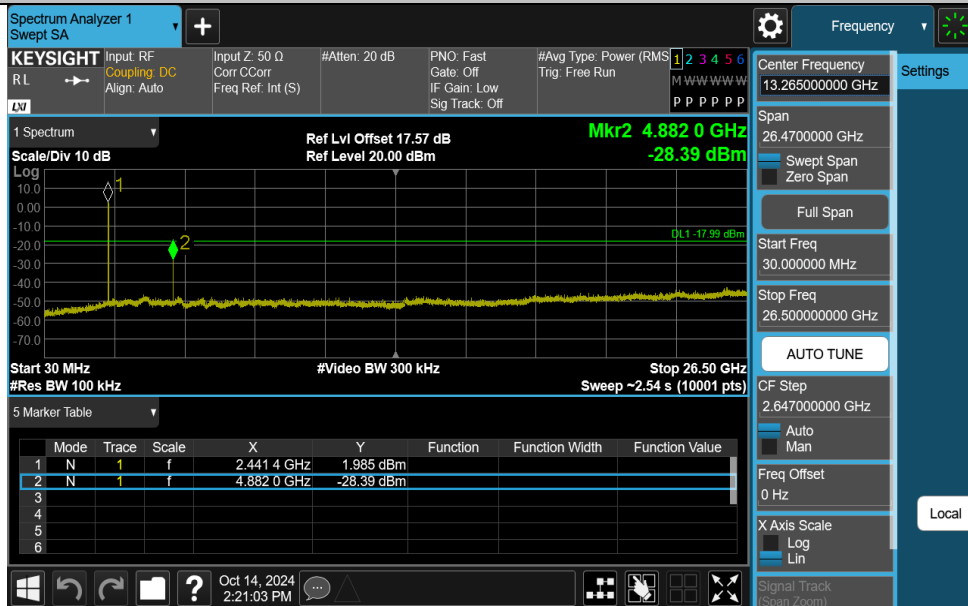
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~26500	1.29	-30.4	≤-18.71	PASS
DH5	Ant1	2441	30~26500	2.01	-28.39	≤-17.99	PASS
DH5	Ant1	2480	30~26500	2.58	-28.59	≤-17.42	PASS
2DH5	Ant1	2402	30~26500	-0.53	-36.15	≤-20.53	PASS
2DH5	Ant1	2441	30~26500	0.02	-34.6	≤-19.98	PASS
2DH5	Ant1	2480	30~26500	0.46	-34.83	≤-19.54	PASS
3DH5	Ant1	2402	30~26500	-0.55	-36.01	≤-20.55	PASS
3DH5	Ant1	2441	30~26500	0.04	-34.22	≤-19.96	PASS
3DH5	Ant1	2480	30~26500	0.59	-32.97	≤-19.41	PASS

Test Graphs

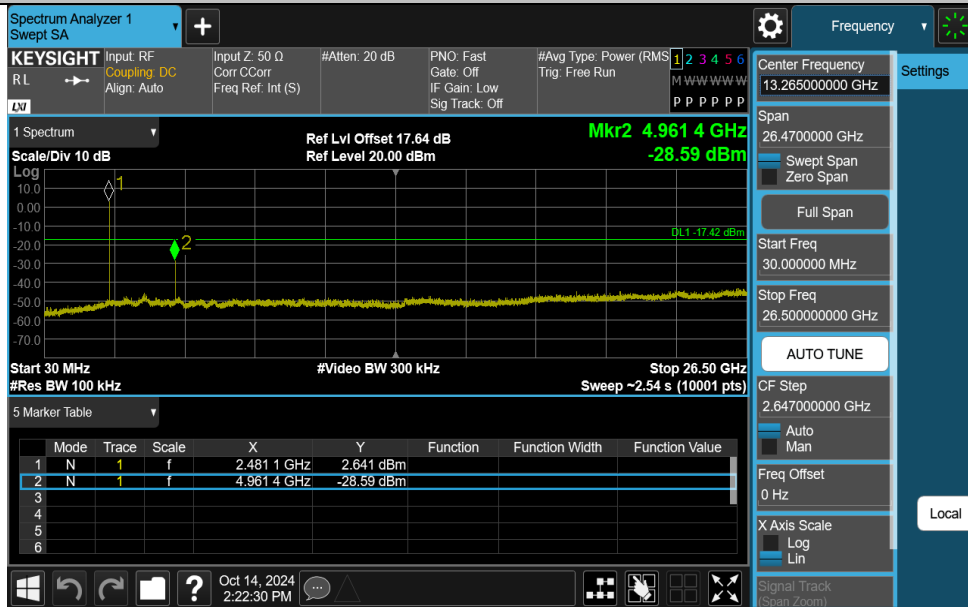
DH5-Ant1-2402-30~26500-PASS

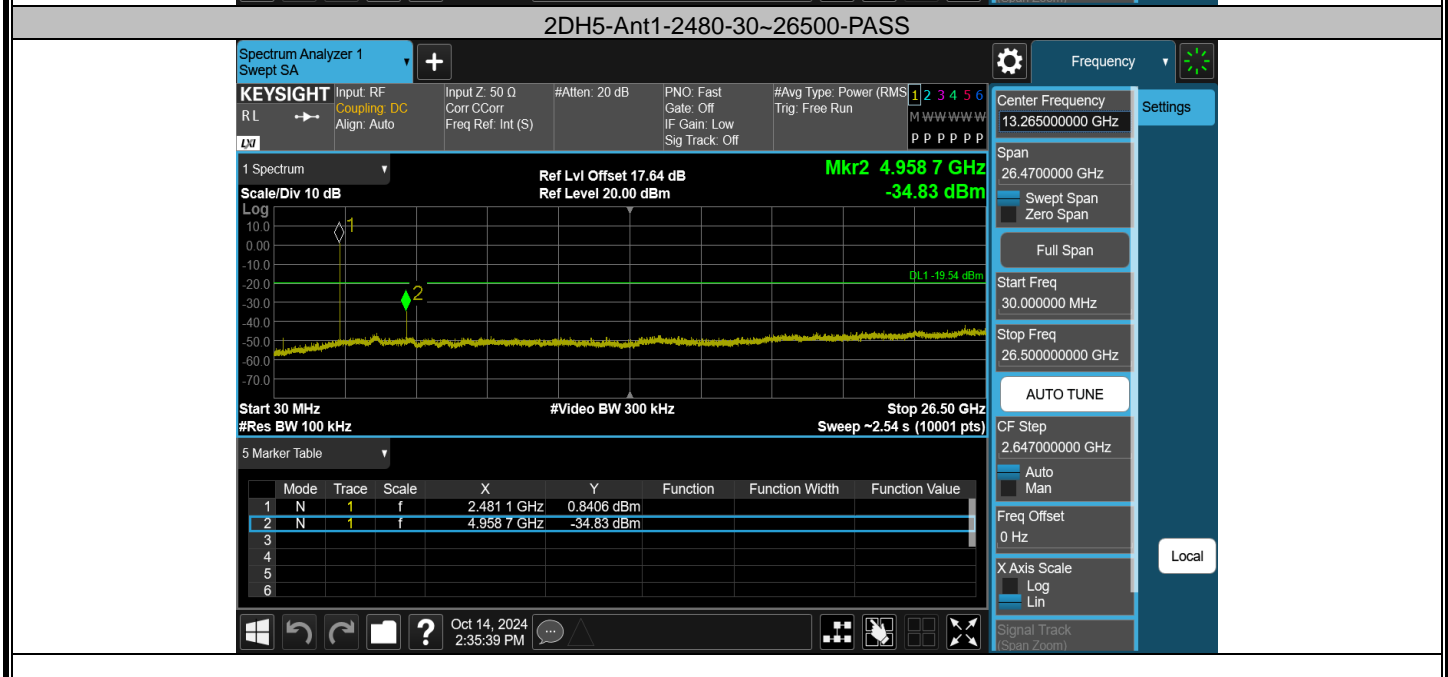
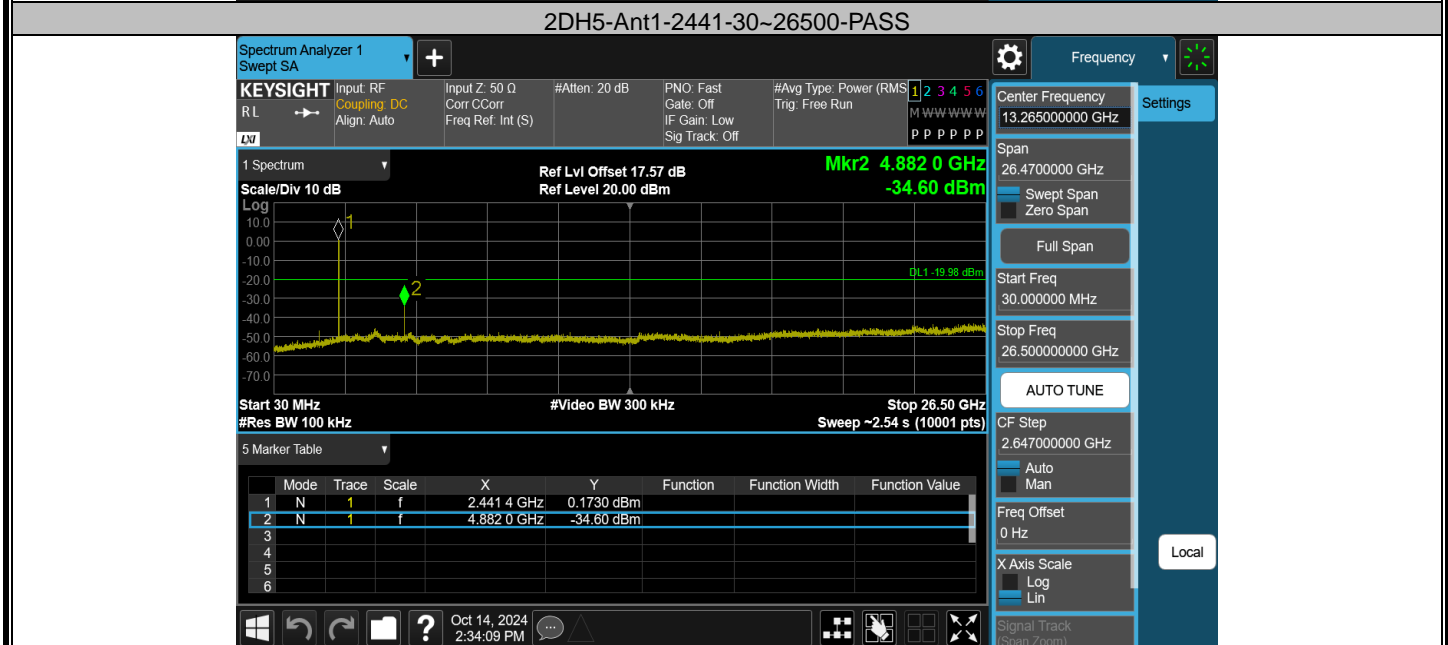
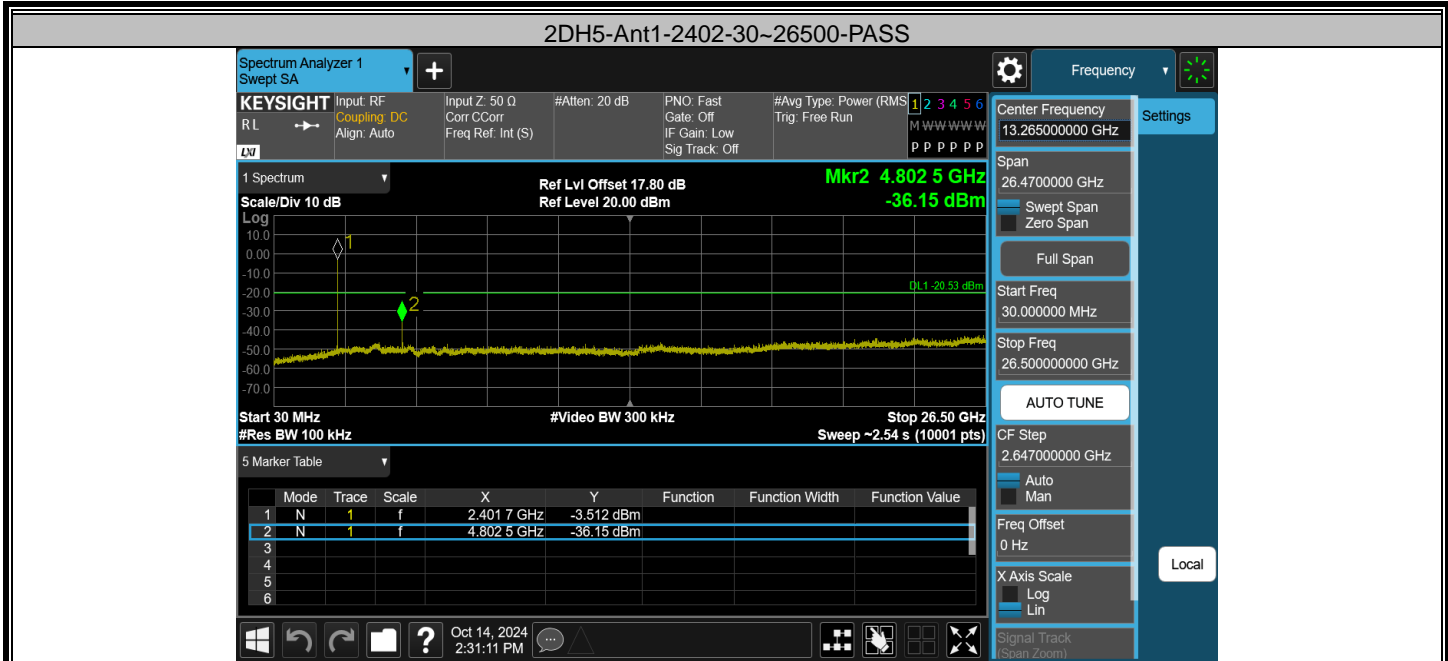


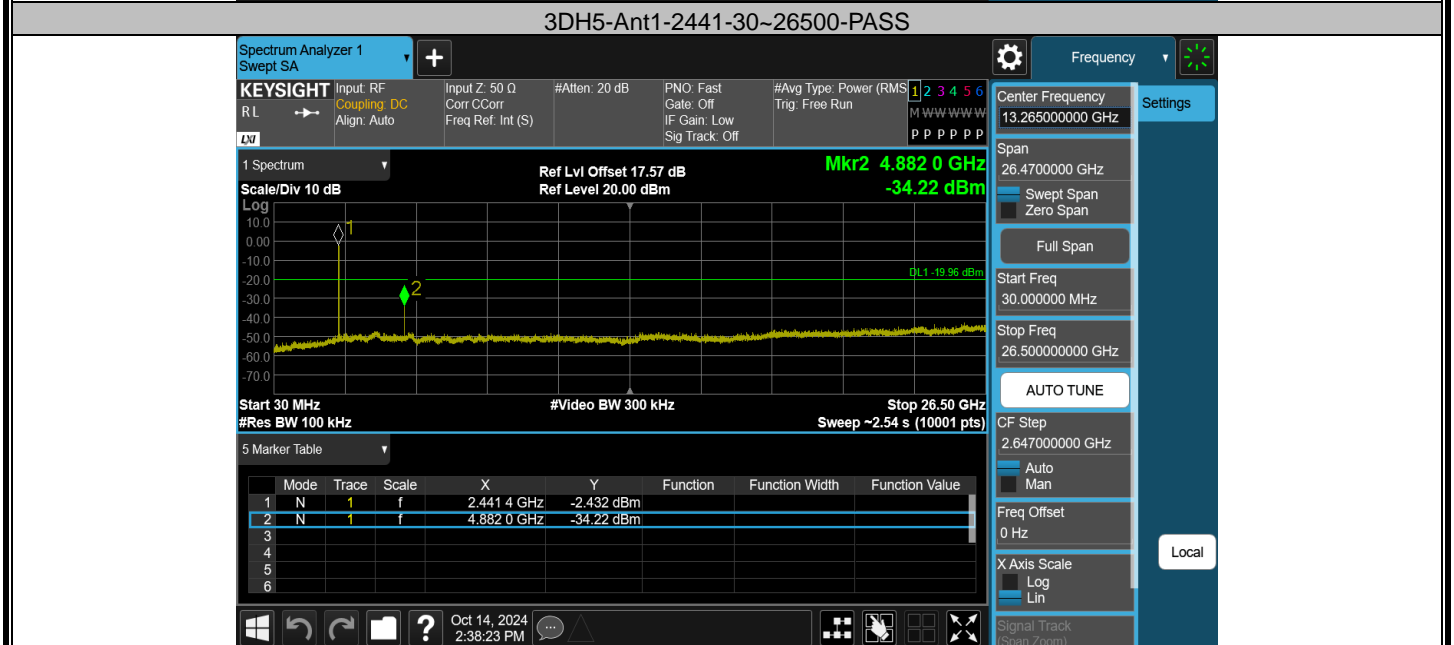
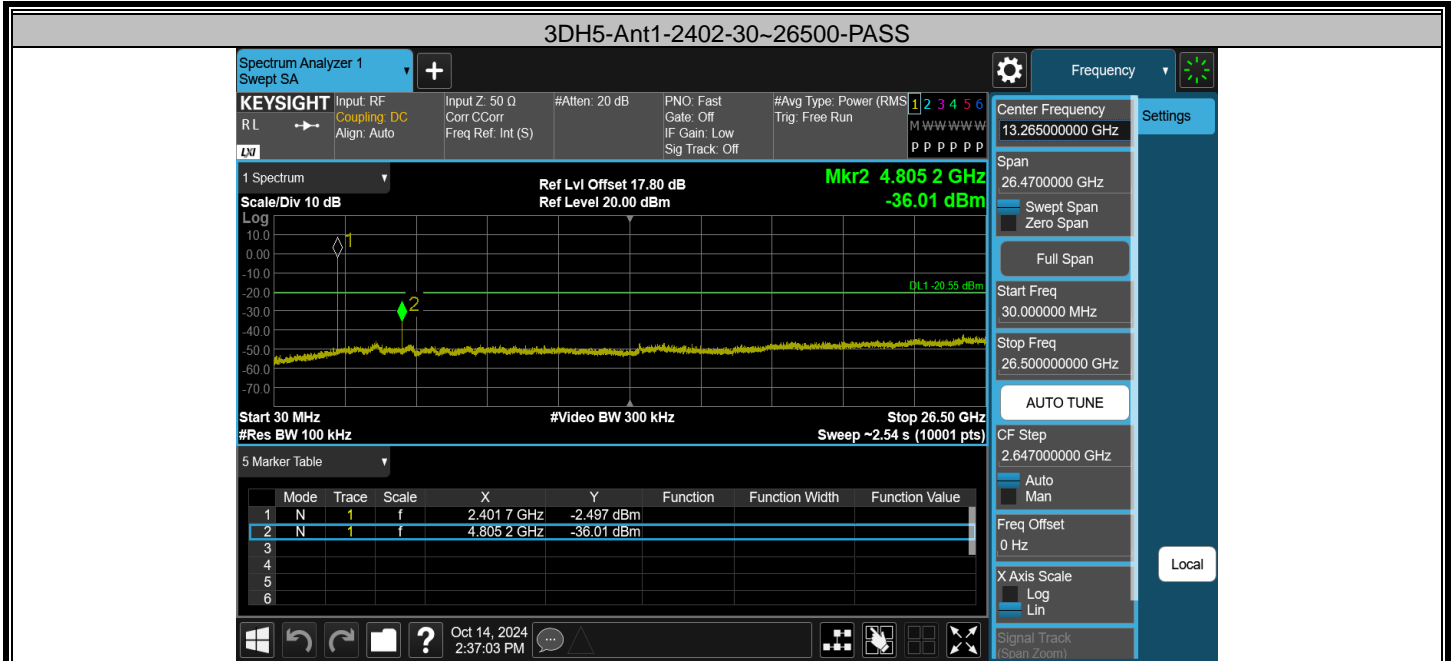
DH5-Ant1-2441-30~26500-PASS



DH5-Ant1-2480-30~26500-PASS









Appendix H: Reference level measurement
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2402	2402.07	1.29
DH5	Ant1	2441	2441.00	2.01
DH5	Ant1	2480	2480.00	2.58
2DH5	Ant1	2402	2402.12	-0.53
2DH5	Ant1	2441	2441.00	0.02
2DH5	Ant1	2480	2480.01	0.46
3DH5	Ant1	2402	2402.01	-0.55
3DH5	Ant1	2441	2441.00	0.04
3DH5	Ant1	2480	2480.00	0.59

Test Graphs

DH5-Ant1-2402-PASS



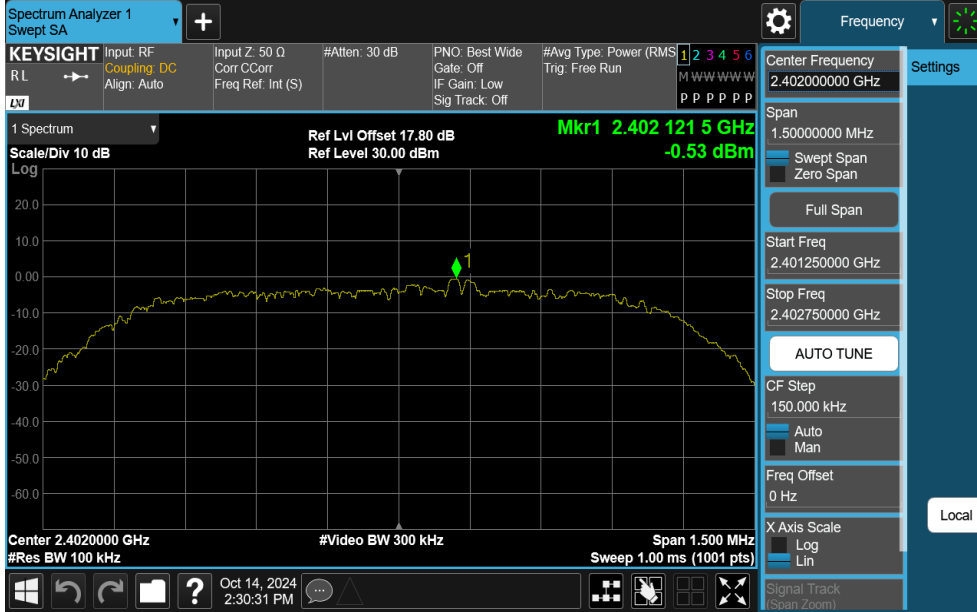
DH5-Ant1-2441-PASS



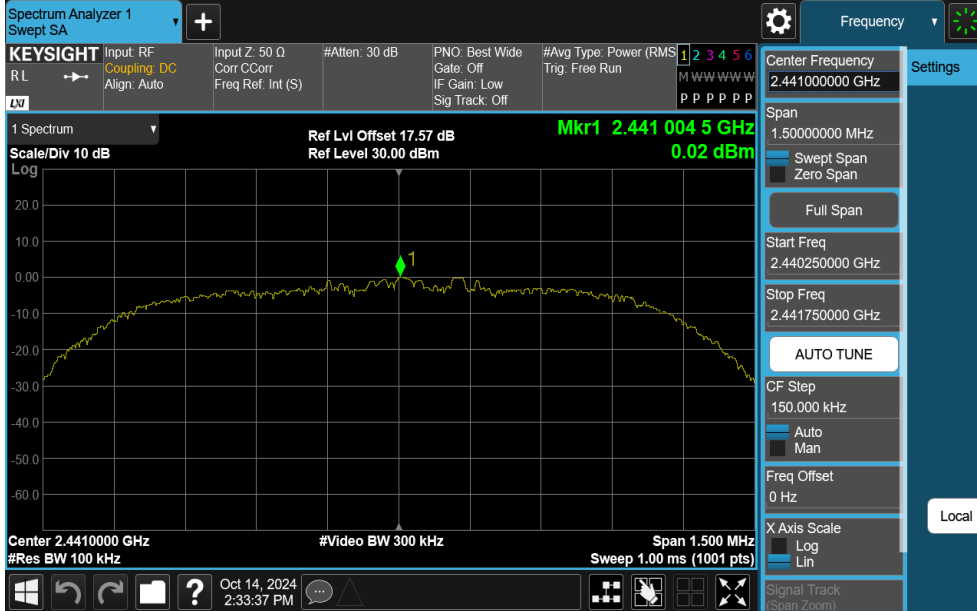
DH5-Ant1-2480-PASS



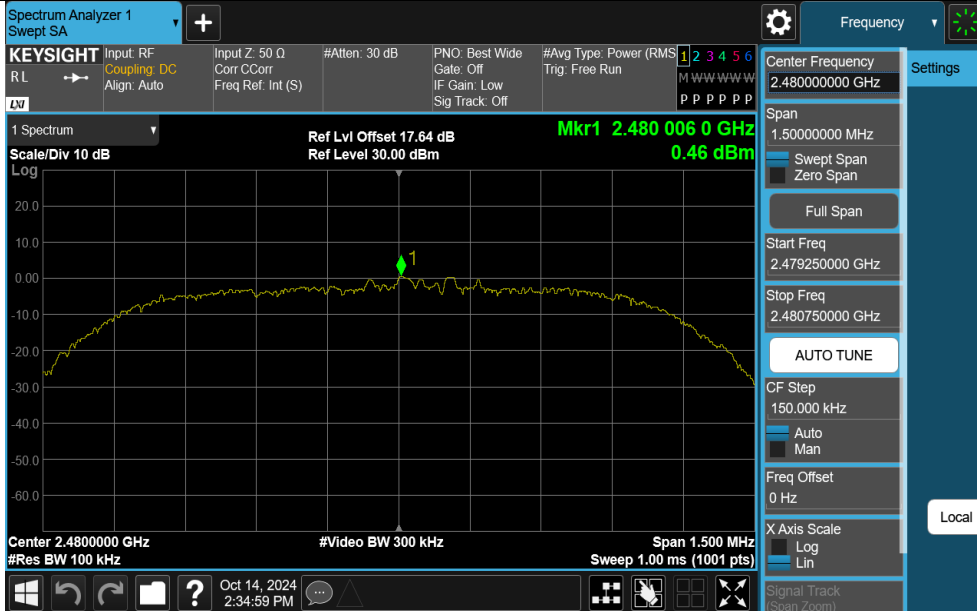
2DH5-Ant1-2402-PASS



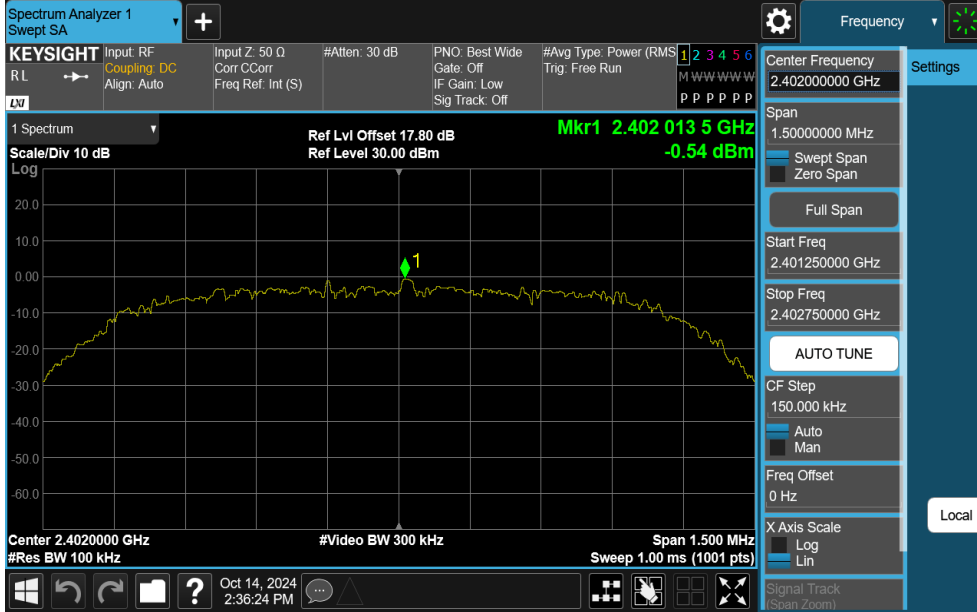
2DH5-Ant1-2441-PASS



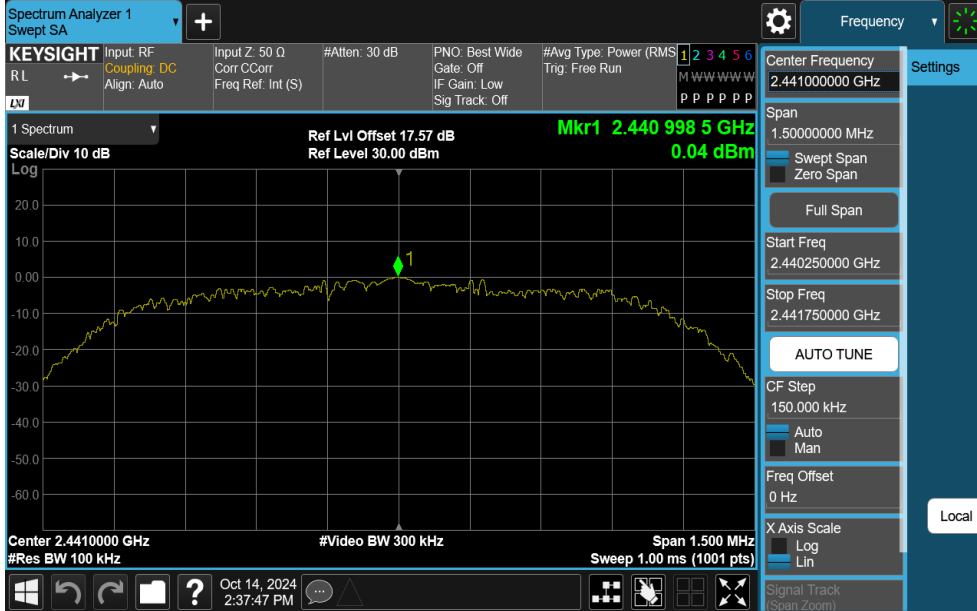
2DH5-Ant1-2480-PASS



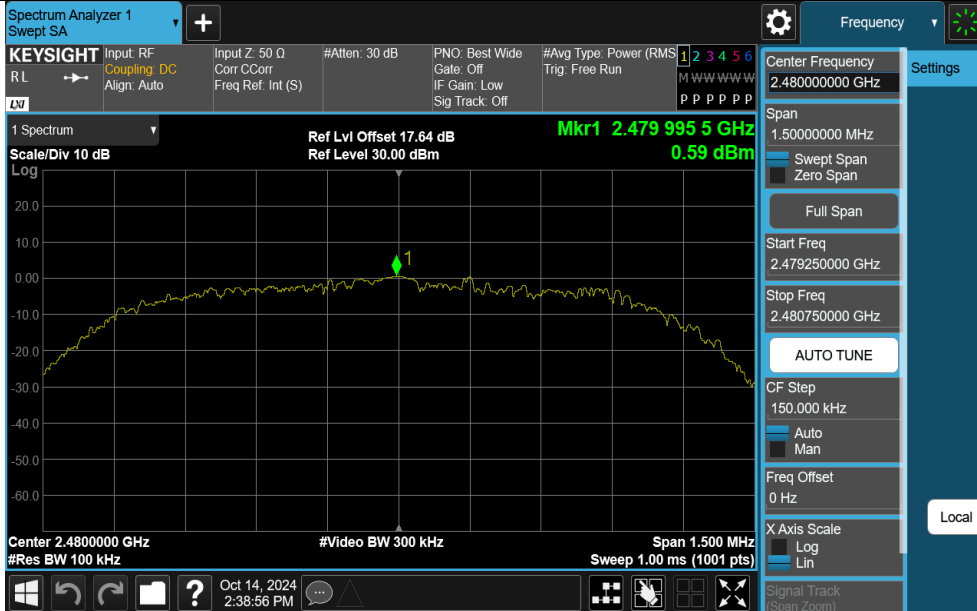
3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

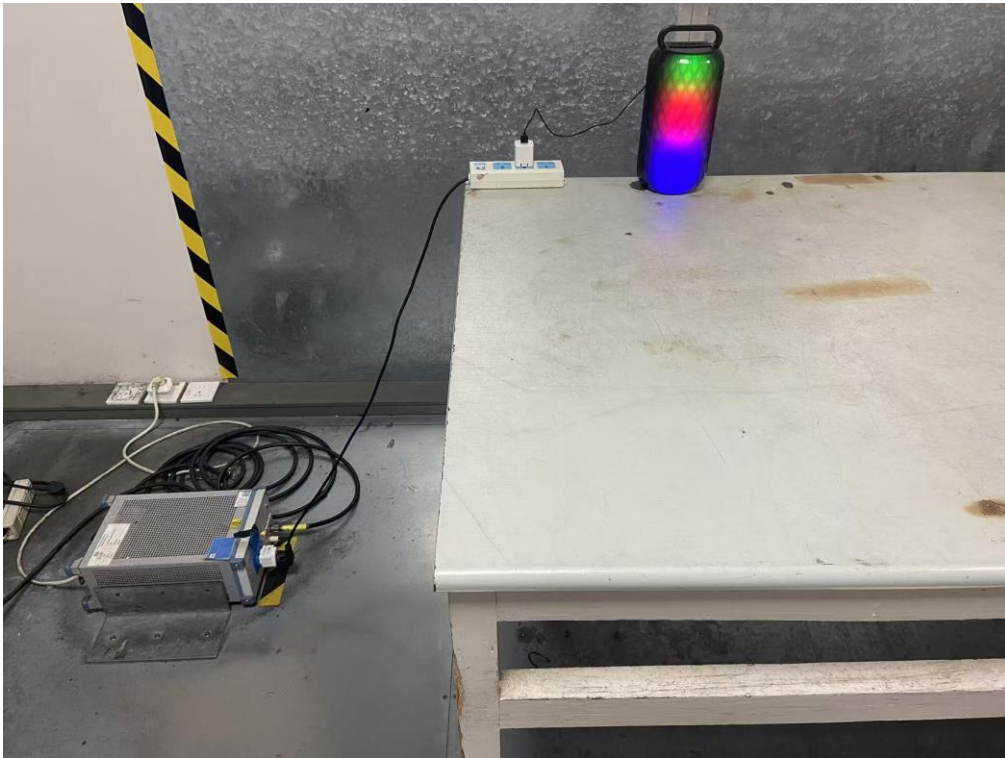


3DH5-Ant1-2480-PASS

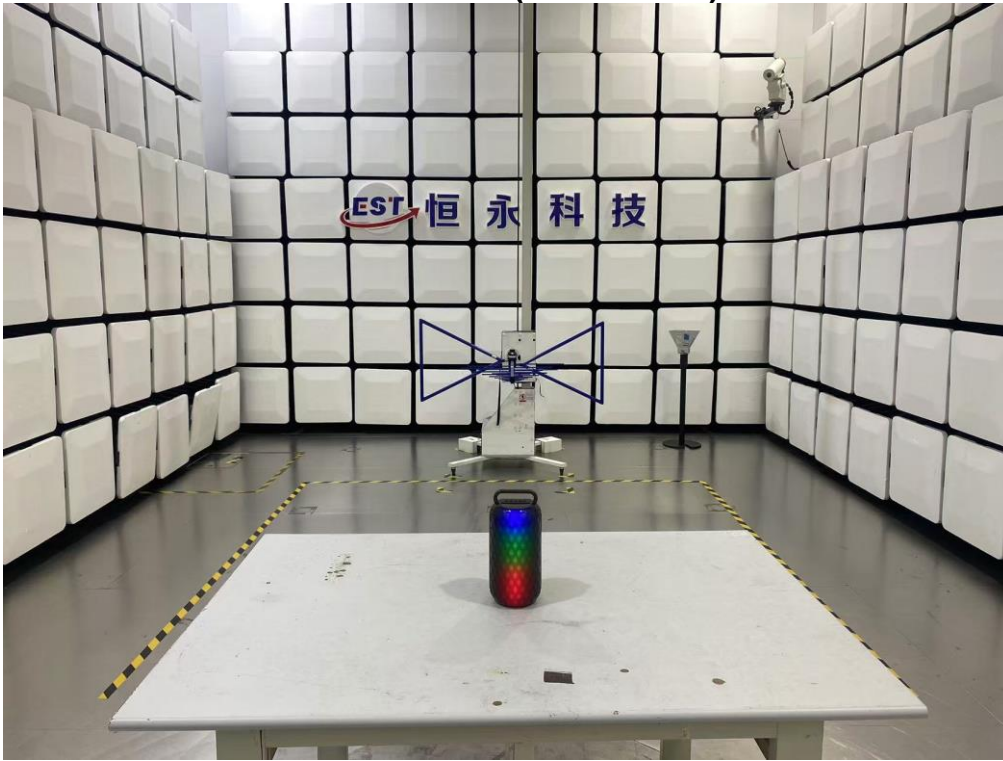


14. TEST SETUP PHOTO

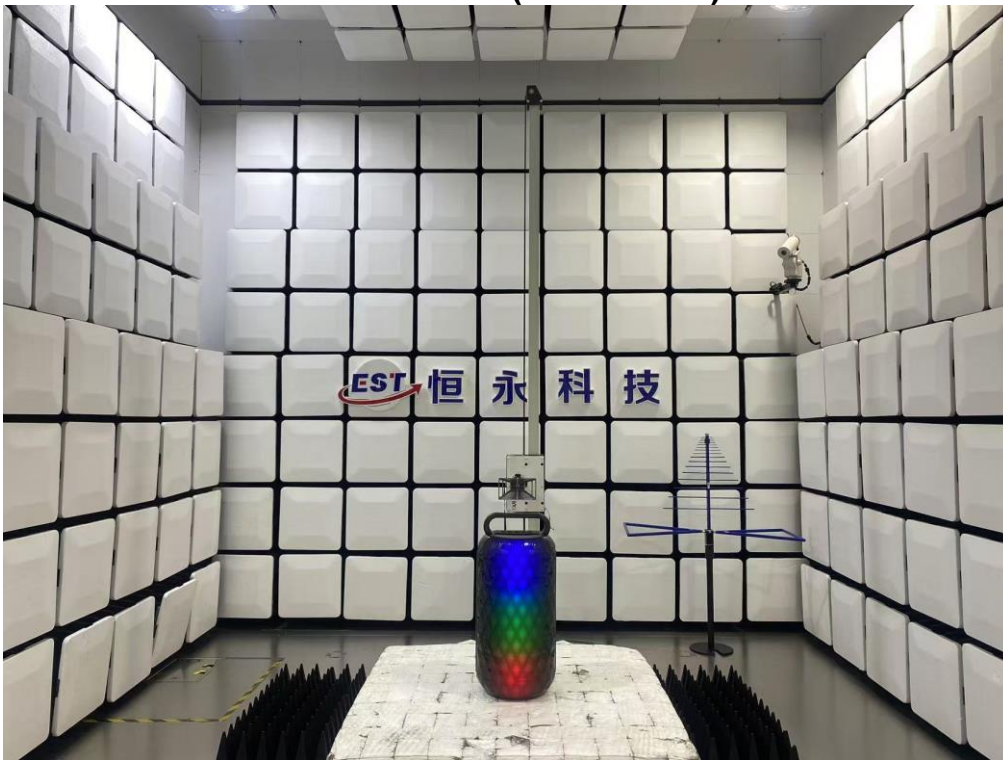
Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



15. EUT PHOTO

External Photos
M/N: 11383PG



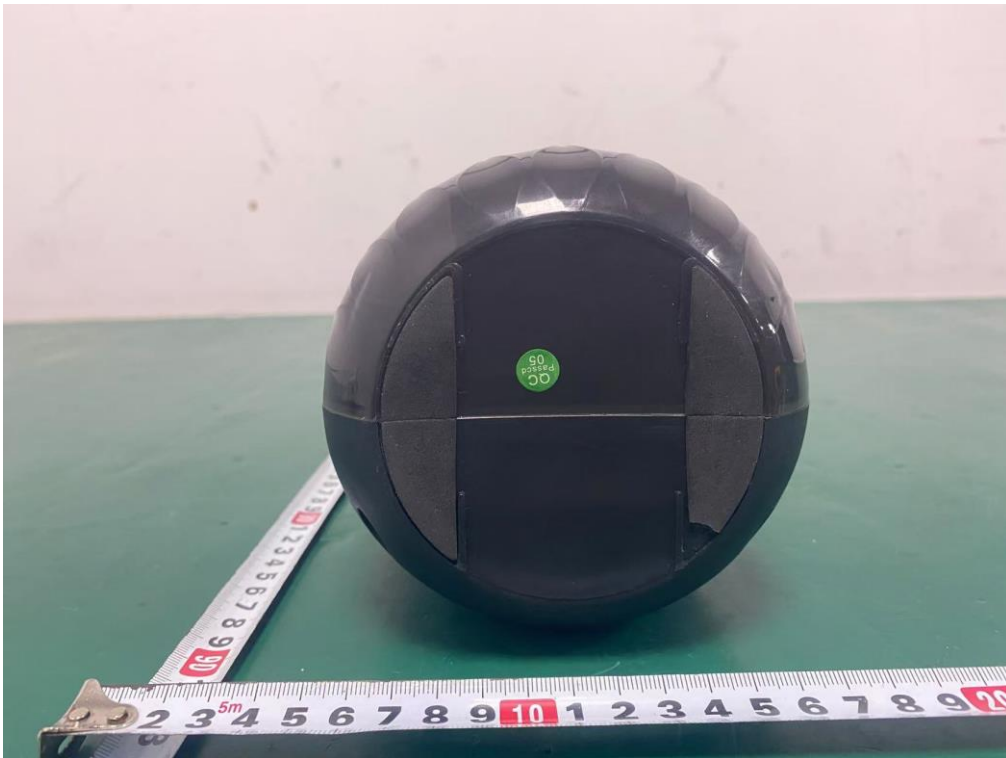
External Photos
M/N: 11383PG



External Photos
M/N: 11383PG



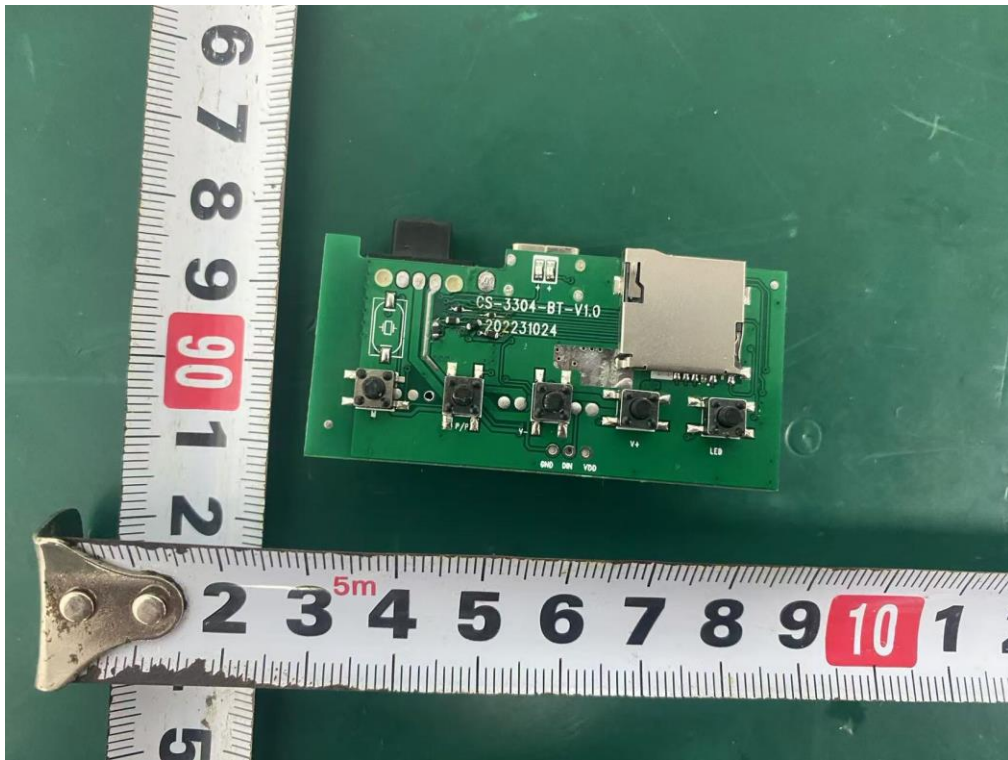
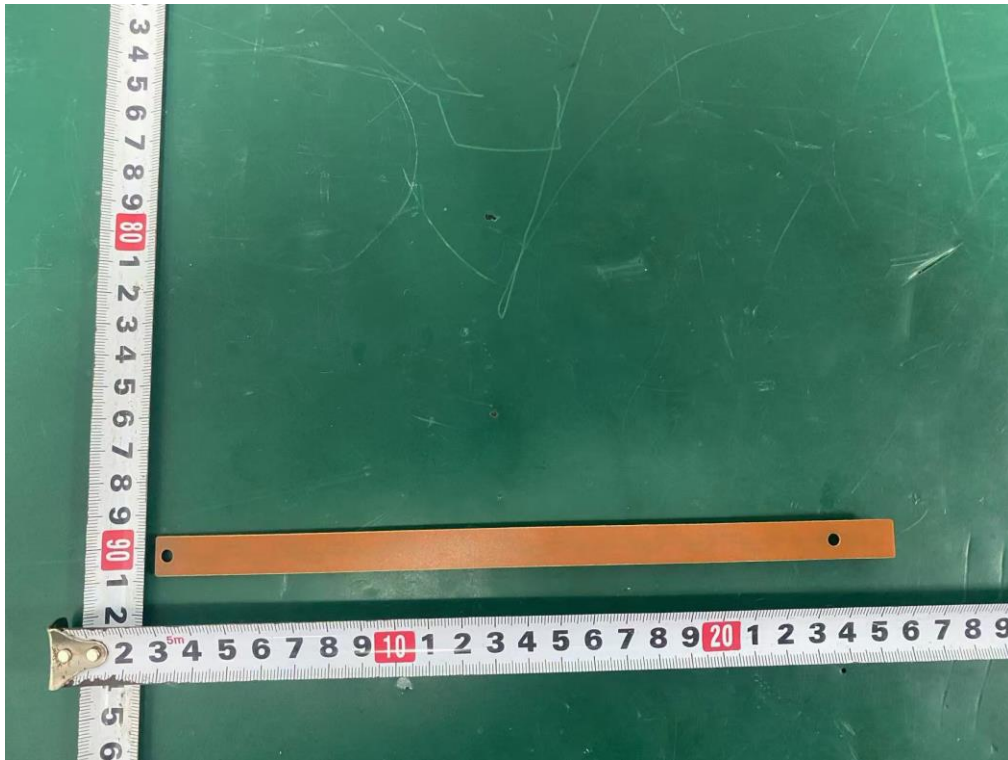
External Photos
M/N: 11383PG



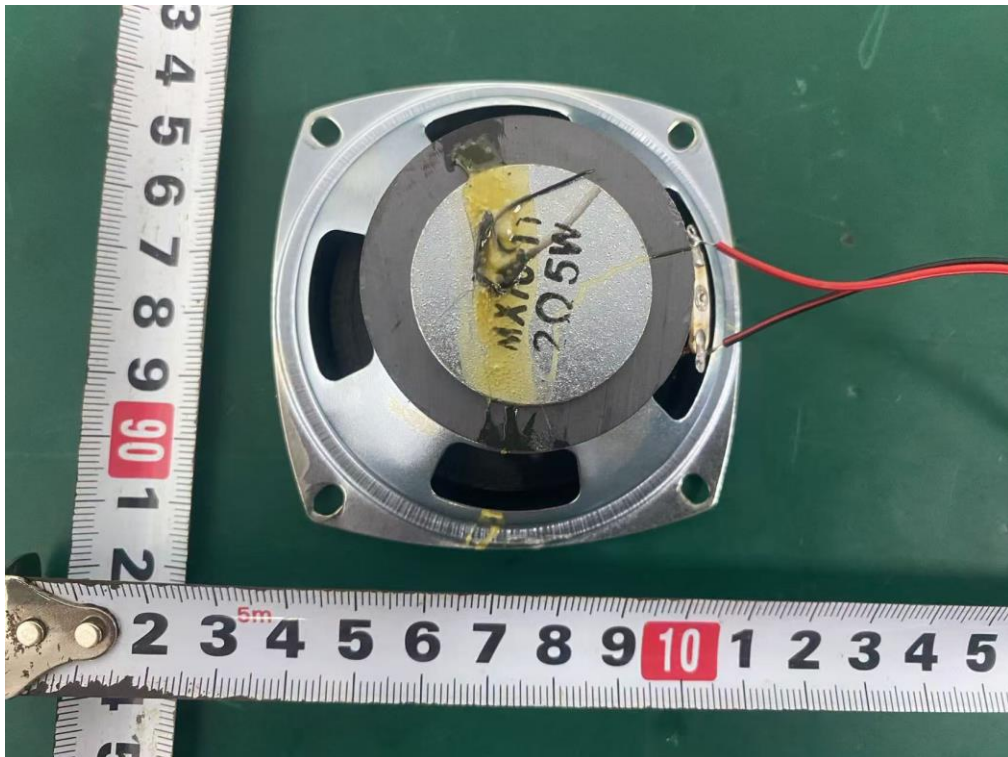
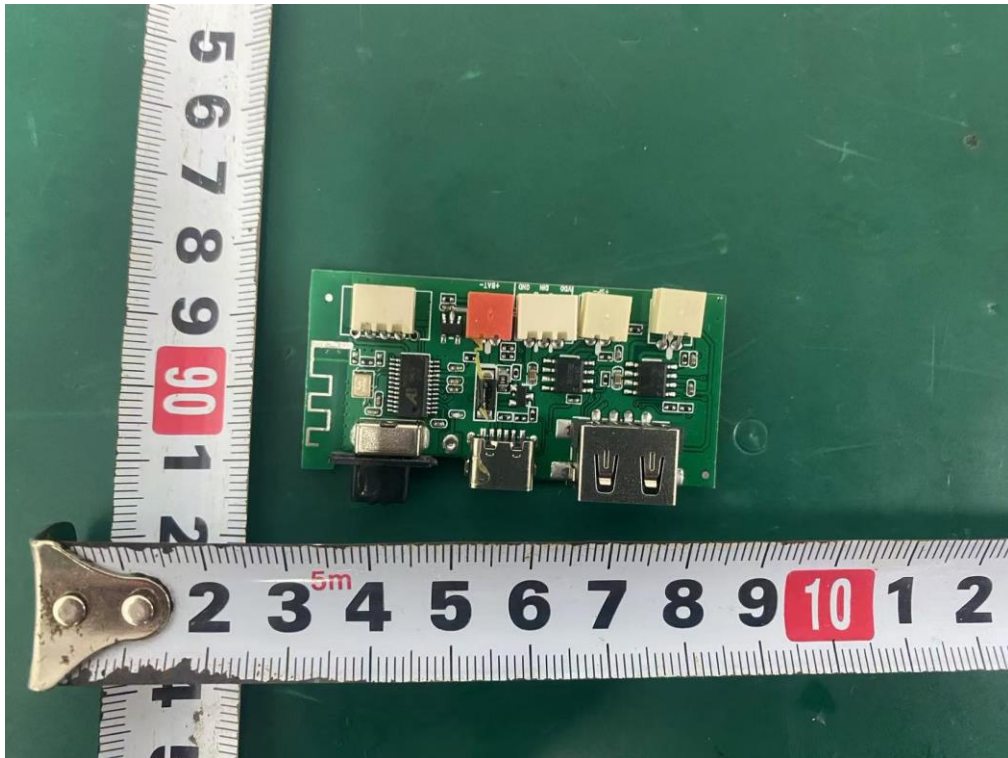
Internal Photos
M/N: 11383PG



Internal Photos
M/N: 11383PG

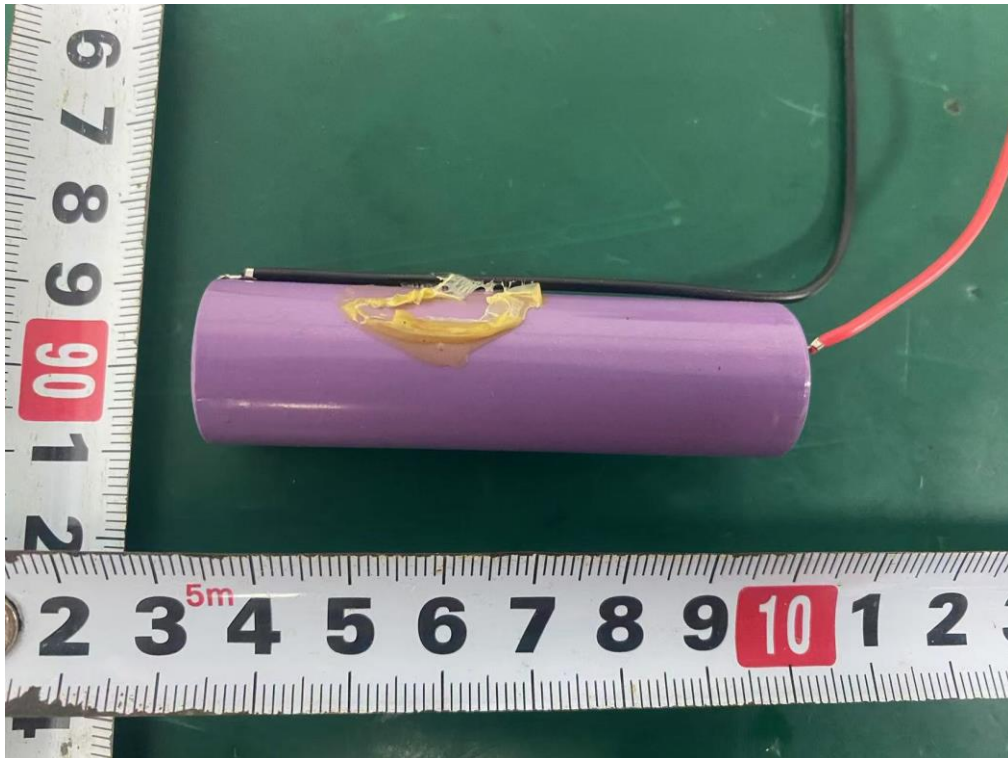


Internal Photos
M/N: 11383PG



Internal Photos

M/N: 11383PG



End of Test Report