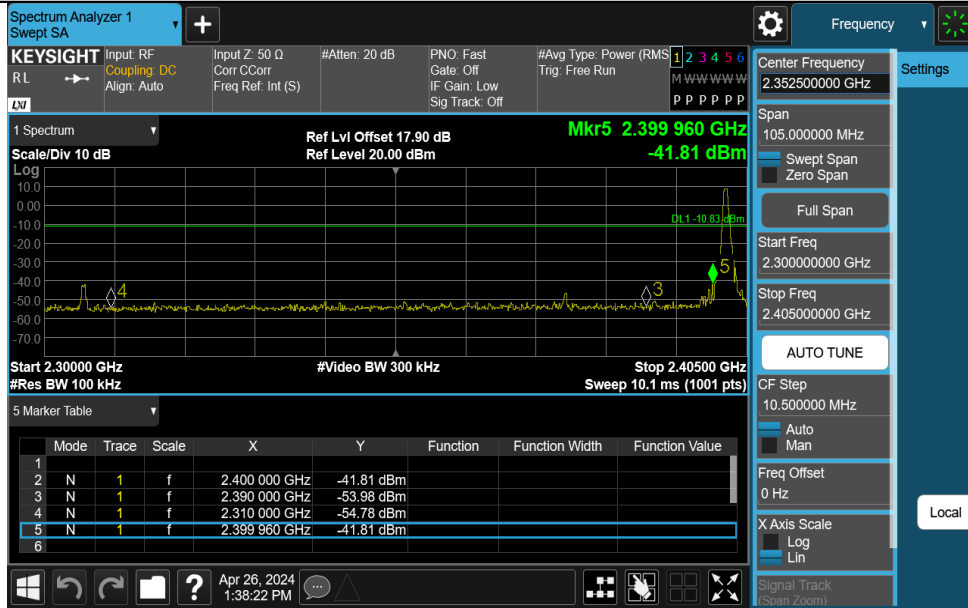


Appendix F: Band edge measurements Test Result

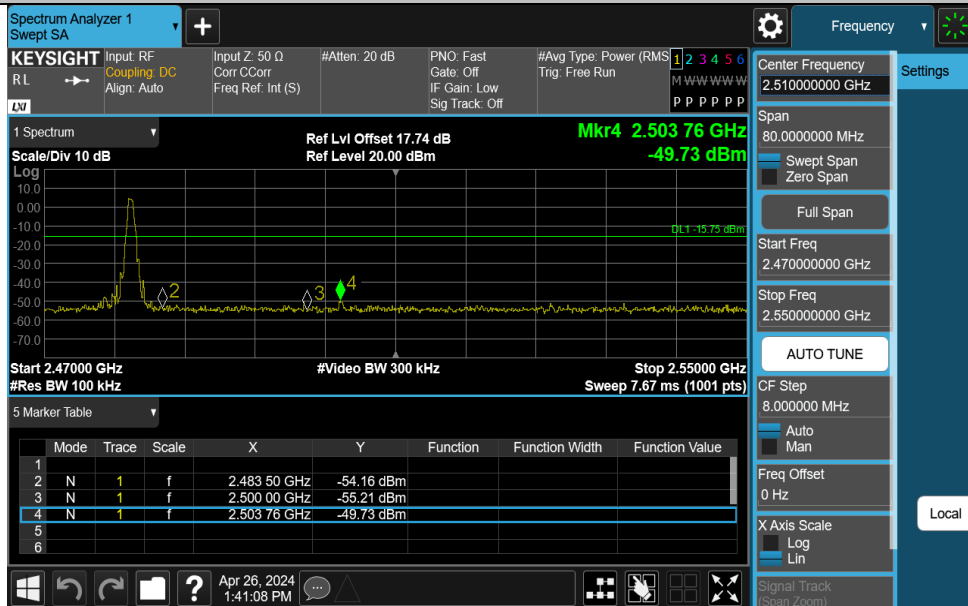
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	9.17	-41.81	≤-10.83	PASS
DH5	Ant1	High	2480	4.25	-49.73	≤-15.75	PASS
DH5	Ant1	Low	Hop_2402	8.68	-42.9	≤-11.32	PASS
DH5	Ant1	High	Hop_2480	4.53	-44.48	≤-15.47	PASS
2DH5	Ant1	Low	2402	9.03	-40.68	≤-10.97	PASS
2DH5	Ant1	High	2480	4.56	-51.12	≤-15.44	PASS
2DH5	Ant1	Low	Hop_2402	7.89	-42.78	≤-12.11	PASS
2DH5	Ant1	High	Hop_2480	3.70	-45.11	≤-16.3	PASS
3DH5	Ant1	Low	2402	9.04	-42.79	≤-10.96	PASS
3DH5	Ant1	High	2480	3.65	-51.73	≤-16.35	PASS
3DH5	Ant1	Low	Hop_2402	7.50	-43.01	≤-12.5	PASS
3DH5	Ant1	High	Hop_2480	4.79	-43.39	≤-15.21	PASS

Test Graphs

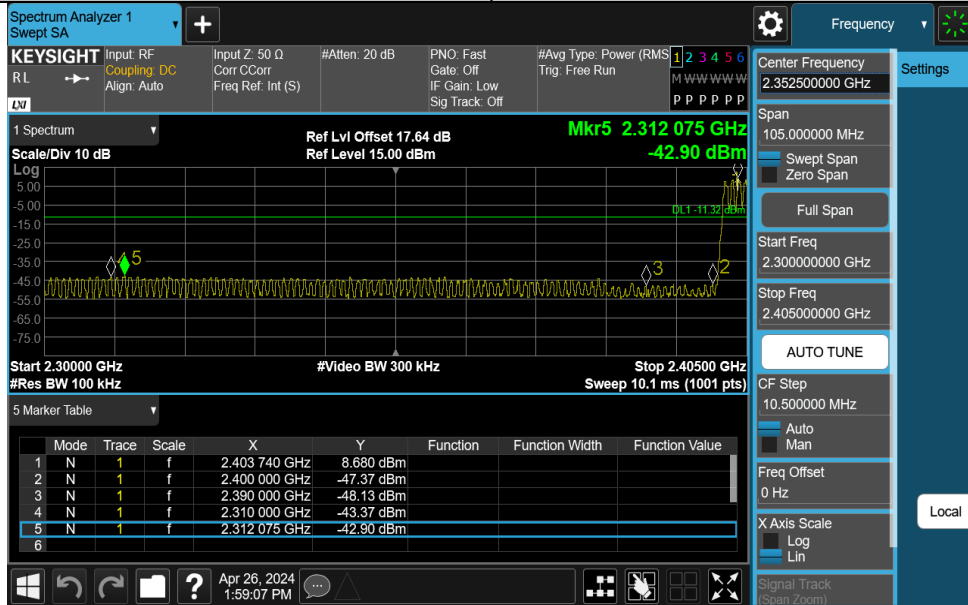
DH5-Ant1-2402-PASS



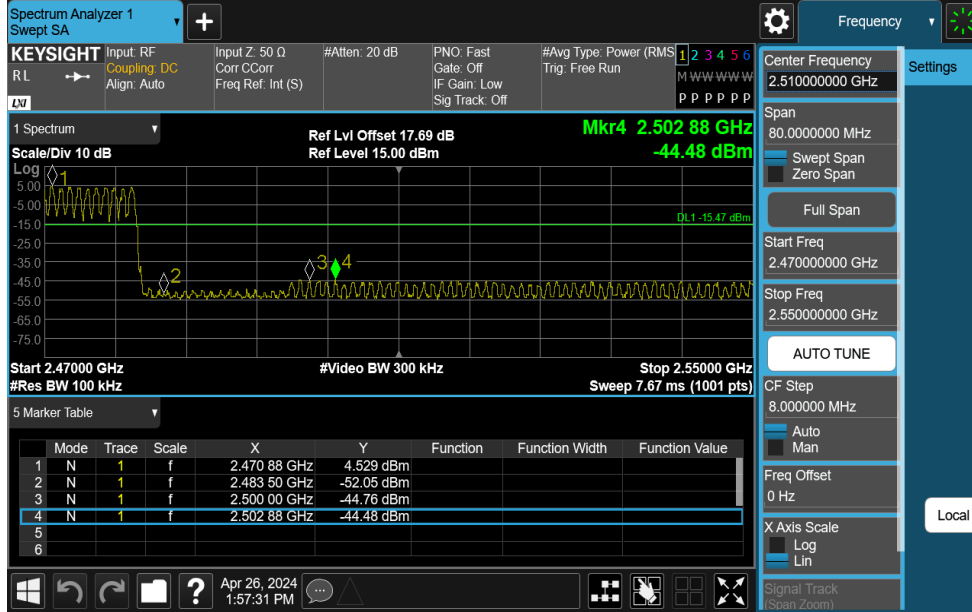
DH5-Ant1-2480-PASS



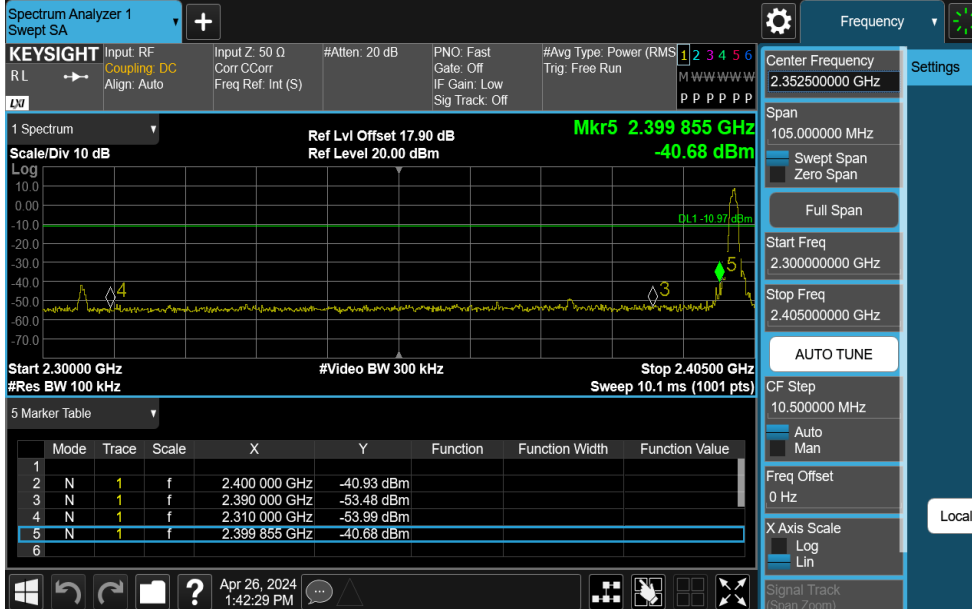
DH5-Ant1-Hop_2402-PASS



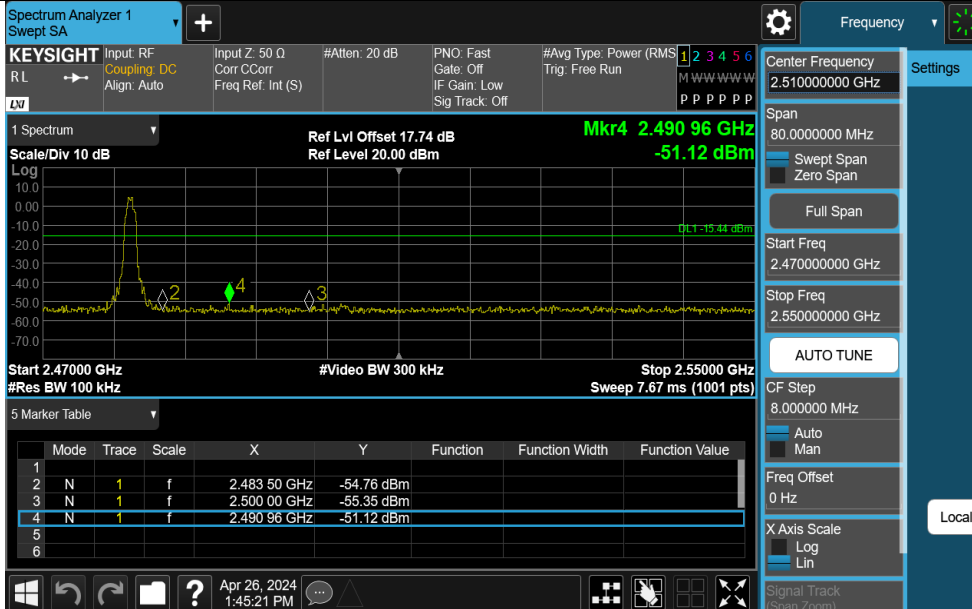
DH5-Ant1-Hop_2480-PASS

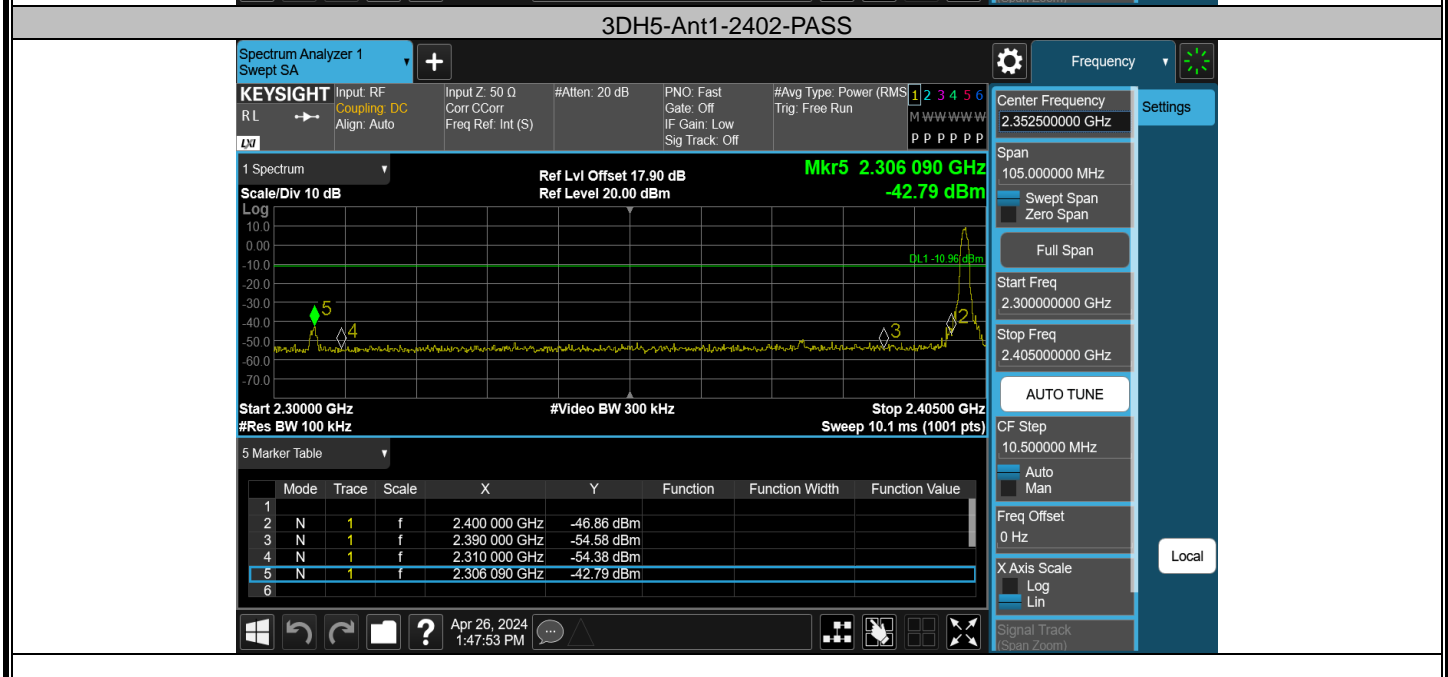
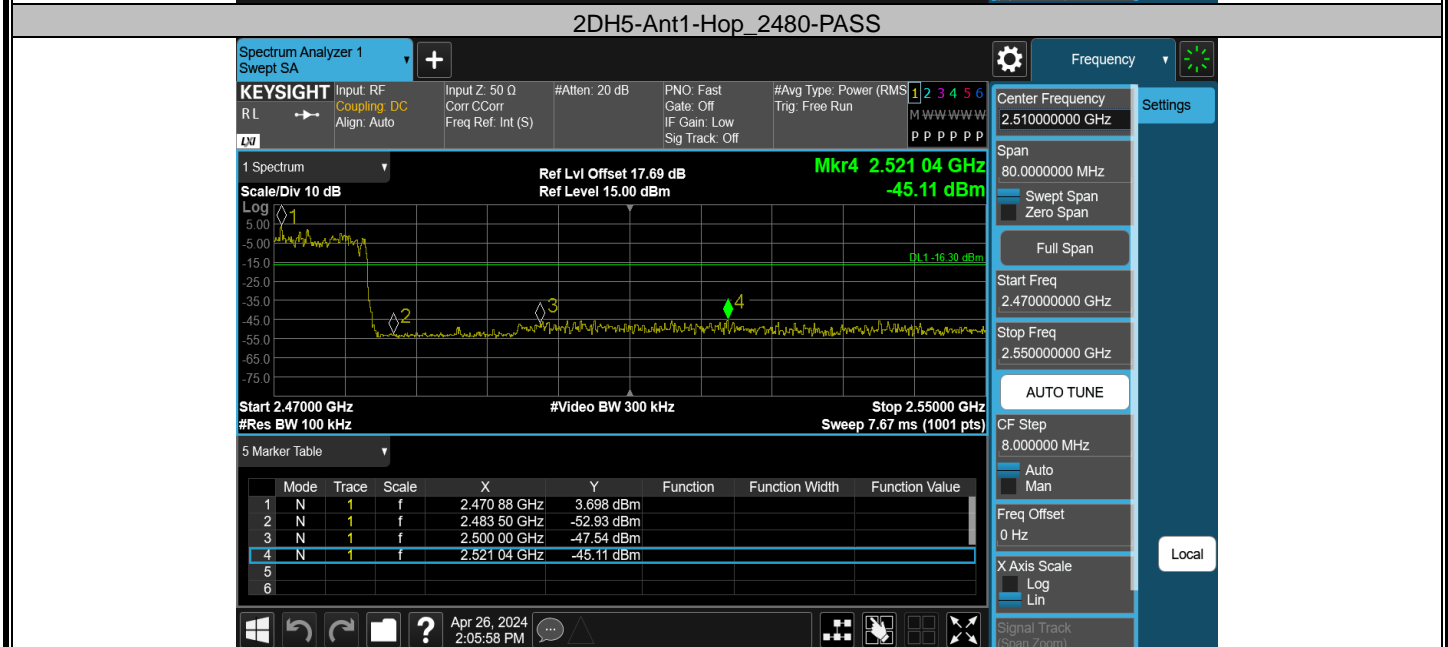
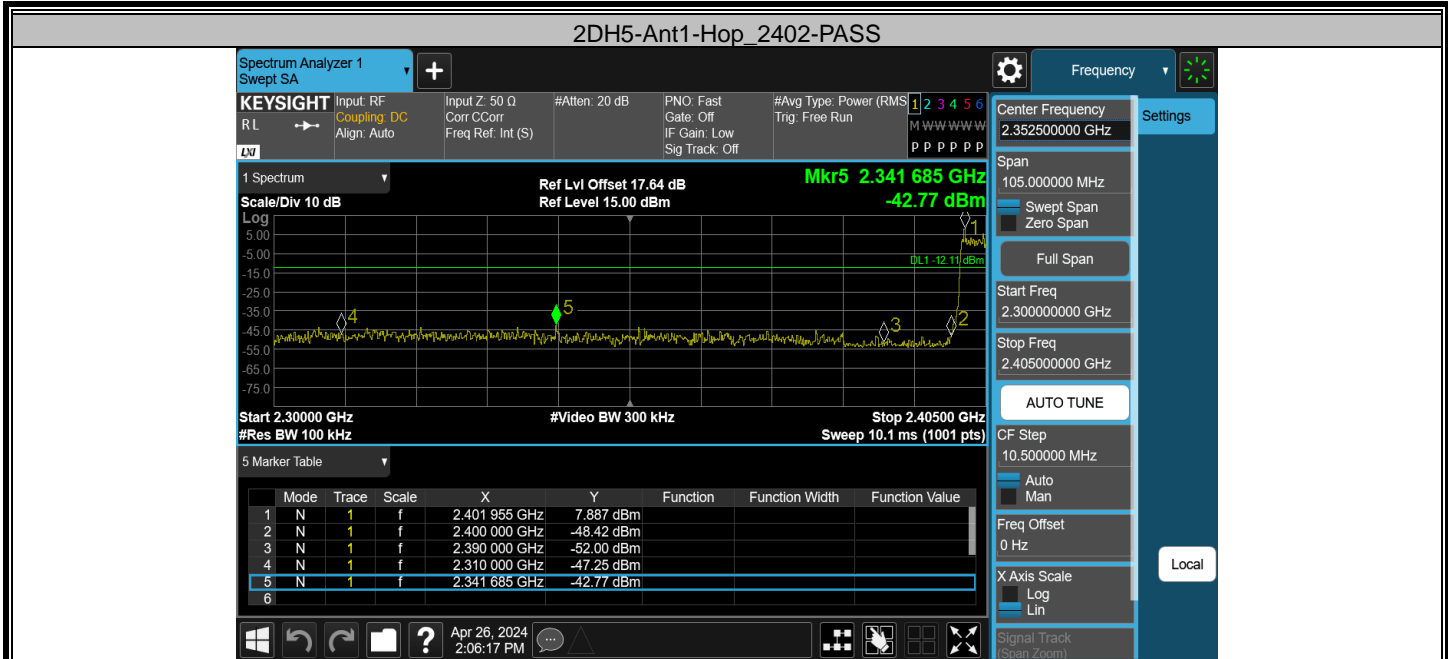


2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS





3DH5-Ant1-2480-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Input Z: 50 Ω #Atten: 20 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr C/Corr Freq Ref: Int (S) Gate: Off IF Gain: Low Trig: Free Run
 Align: Auto Freq Ref: Int (S) Sig Track: Off

Center Frequency: 2.510000000 GHz

Span: 80.0000000 MHz

Start Freq: 2.470000000 GHz

Stop Freq: 2.550000000 GHz

AUTO TUNE

CF Step: 8.0000000 MHz

Freq Offset: 0 Hz

X Axis Scale: Log

Signal Track (Span Zoom)

1 Spectrum Scale/Div 10 dB Ref Lvl Offset 17.74 dB Ref Level 20.00 dB Mkr4 2.489 20 GHz -51.73 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	2.483 50 GHz	-53.76 dBm		
2	N	1	f	2.500 00 GHz	-52.81 dBm		
3	N	1	f	2.489 20 GHz	-51.73 dBm		
4	N	1	f	2.489 20 GHz	-51.73 dBm		
5							
6							

Apr 26, 2024 1:52:47 PM

3DH5-Ant1-Hop_2402-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Input Z: 50 Ω #Atten: 20 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr C/Corr Freq Ref: Int (S) Gate: Off IF Gain: Low Trig: Free Run
 Align: Auto Freq Ref: Int (S) Sig Track: Off

Center Frequency: 2.352500000 GHz

Span: 105.0000000 MHz

Start Freq: 2.300000000 GHz

Stop Freq: 2.405000000 GHz

AUTO TUNE

CF Step: 10.5000000 MHz

Freq Offset: 0 Hz

X Axis Scale: Log

Signal Track (Span Zoom)

1 Spectrum Scale/Div 10 dB Ref Lvl Offset 17.64 dB Ref Level 15.00 dB Mkr5 2.306 090 GHz -43.01 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	2.403 845 GHz	7.496 dBm		
2	N	1	f	2.400 000 GHz	-47.87 dBm		
3	N	1	f	2.380 000 GHz	-52.86 dBm		
4	N	1	f	2.310 000 GHz	-45.65 dBm		
5	N	1	f	2.306 090 GHz	-43.01 dBm		
6							

Apr 26, 2024 2:13:22 PM

3DH5-Ant1-Hop_2480-PASS

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Input Z: 50 Ω #Atten: 20 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr C/Corr Freq Ref: Int (S) Gate: Off IF Gain: Low Trig: Free Run
 Align: Auto Freq Ref: Int (S) Sig Track: Off

Center Frequency: 2.510000000 GHz

Span: 80.0000000 MHz

Start Freq: 2.470000000 GHz

Stop Freq: 2.550000000 GHz

AUTO TUNE

CF Step: 8.0000000 MHz

Freq Offset: 0 Hz

X Axis Scale: Log

Signal Track (Span Zoom)

1 Spectrum Scale/Div 10 dB Ref Lvl Offset 17.69 dB Ref Level 15.00 dB Mkr4 2.509 68 GHz -43.39 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	2.473 04 GHz	4.791 dBm		
2	N	1	f	2.483 50 GHz	-52.76 dBm		
3	N	1	f	2.500 00 GHz	-48.81 dBm		
4	N	1	f	2.509 68 GHz	-43.39 dBm		
5							
6							

Apr 26, 2024 2:13:02 PM

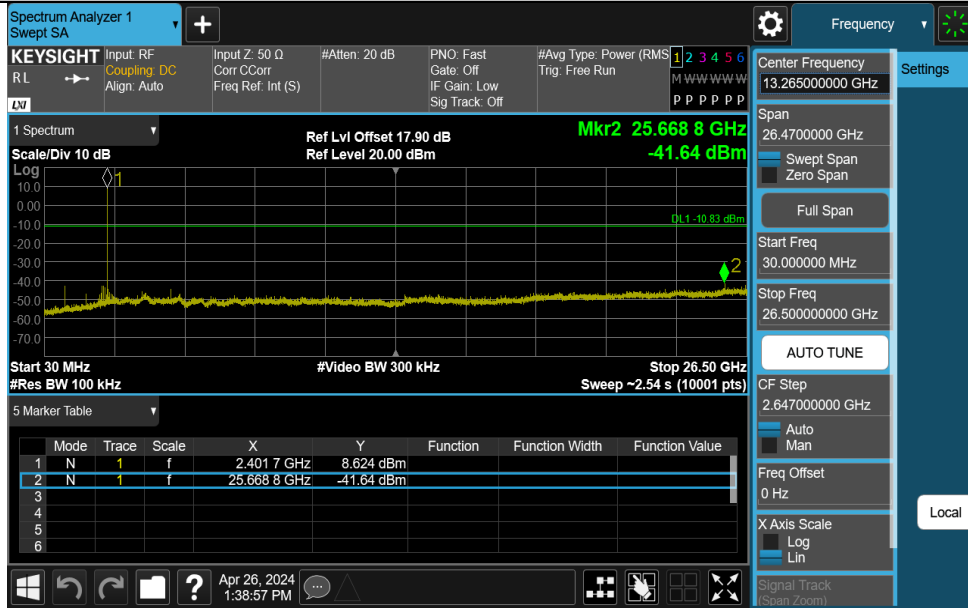


Appendix G: Conducted Spurious Emission Test Result

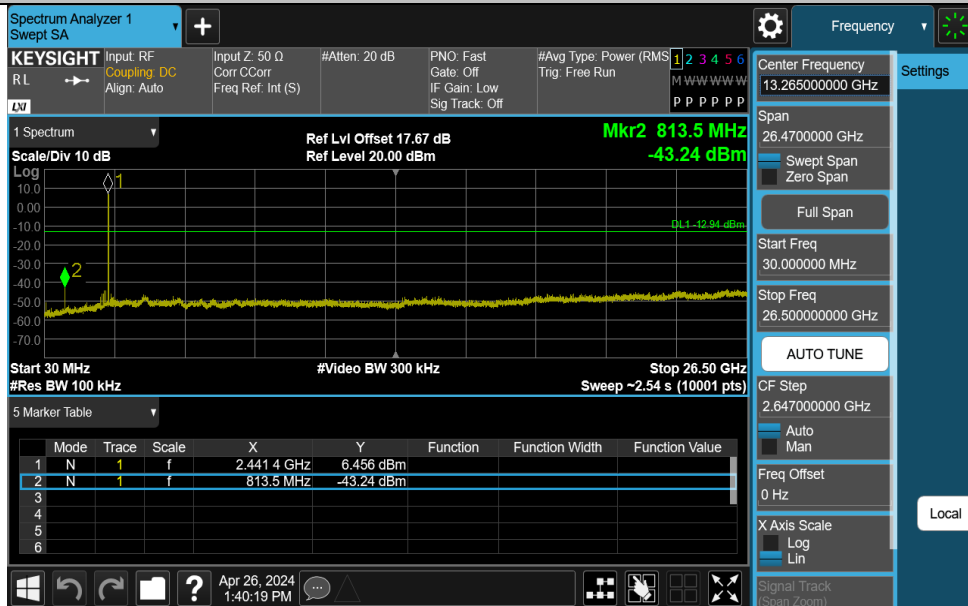
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~26500	9.17	-41.64	≤-10.83	PASS
DH5	Ant1	2441	30~26500	7.06	-43.24	≤-12.94	PASS
DH5	Ant1	2480	30~26500	4.25	-43.08	≤-15.75	PASS
2DH5	Ant1	2402	30~26500	9.03	-42.43	≤-10.97	PASS
2DH5	Ant1	2441	30~26500	5.97	-43.35	≤-14.03	PASS
2DH5	Ant1	2480	30~26500	4.56	-43.42	≤-15.44	PASS
3DH5	Ant1	2402	30~26500	9.04	-42.19	≤-10.96	PASS
3DH5	Ant1	2441	30~26500	6.93	-42.3	≤-13.07	PASS
3DH5	Ant1	2480	30~26500	3.65	-43.65	≤-16.35	PASS

Test Graphs

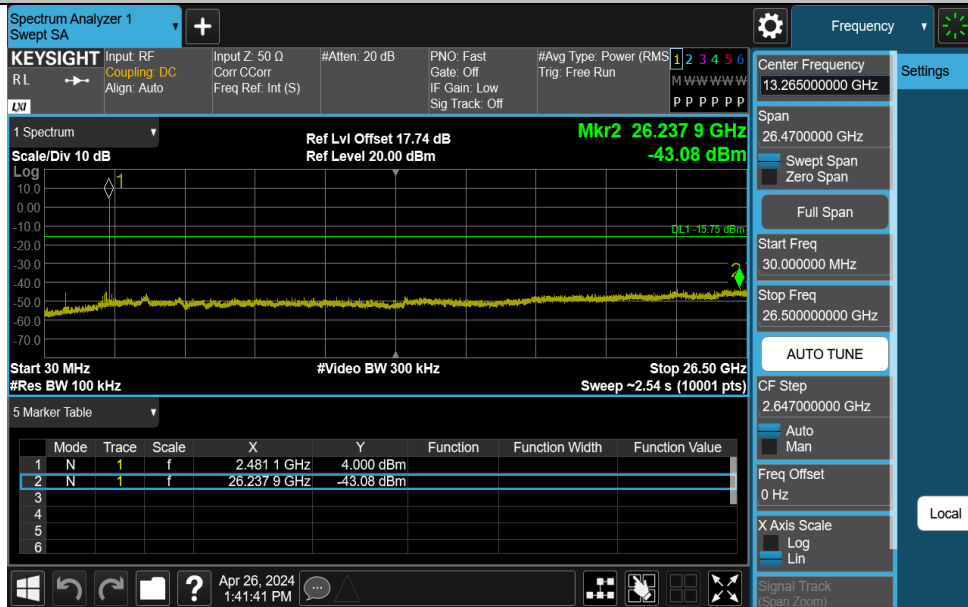
DH5-Ant1-2402-30~26500-PASS



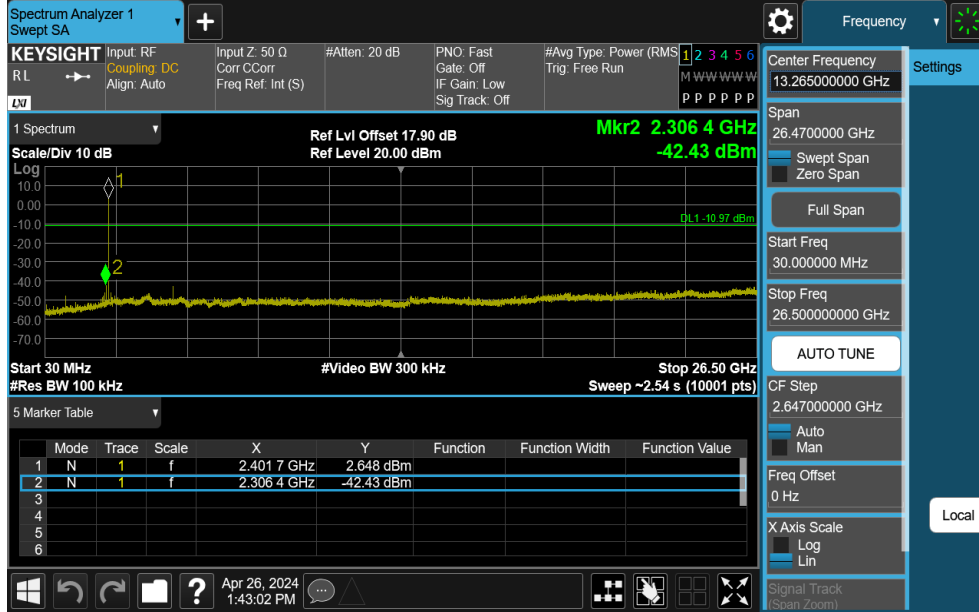
DH5-Ant1-2441-30~26500-PASS



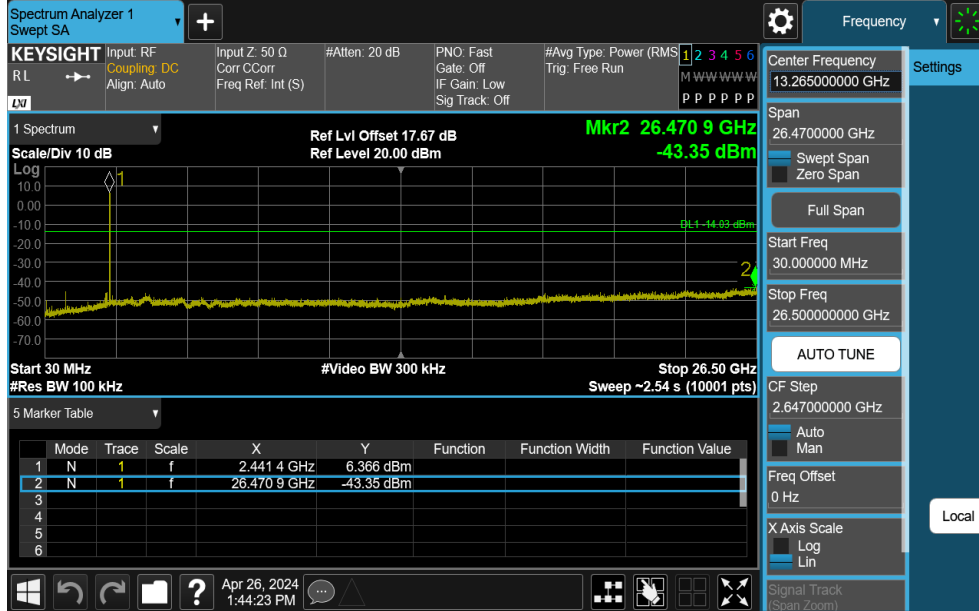
DH5-Ant1-2480-30~26500-PASS



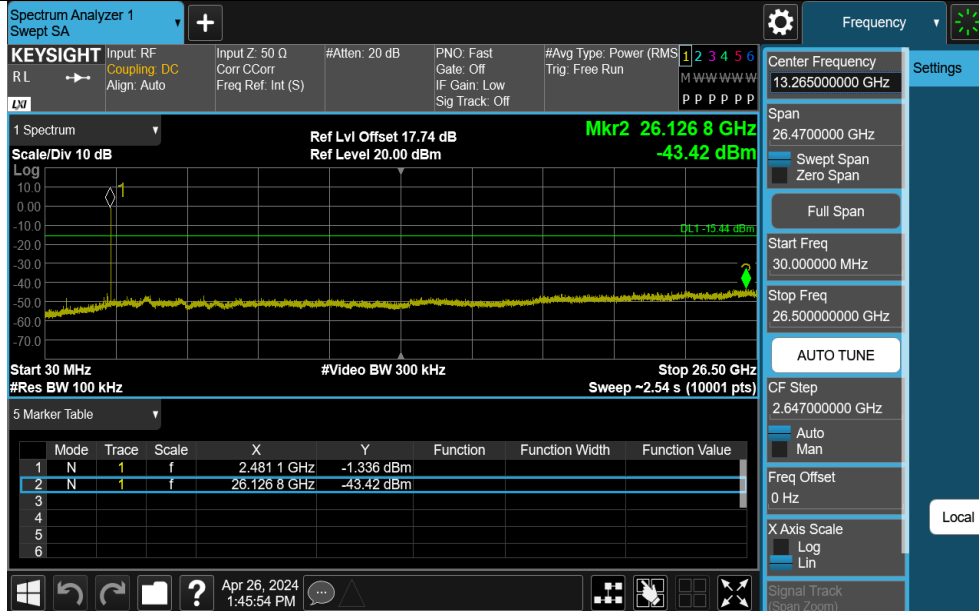
2DH5-Ant1-2402-30~26500-PASS

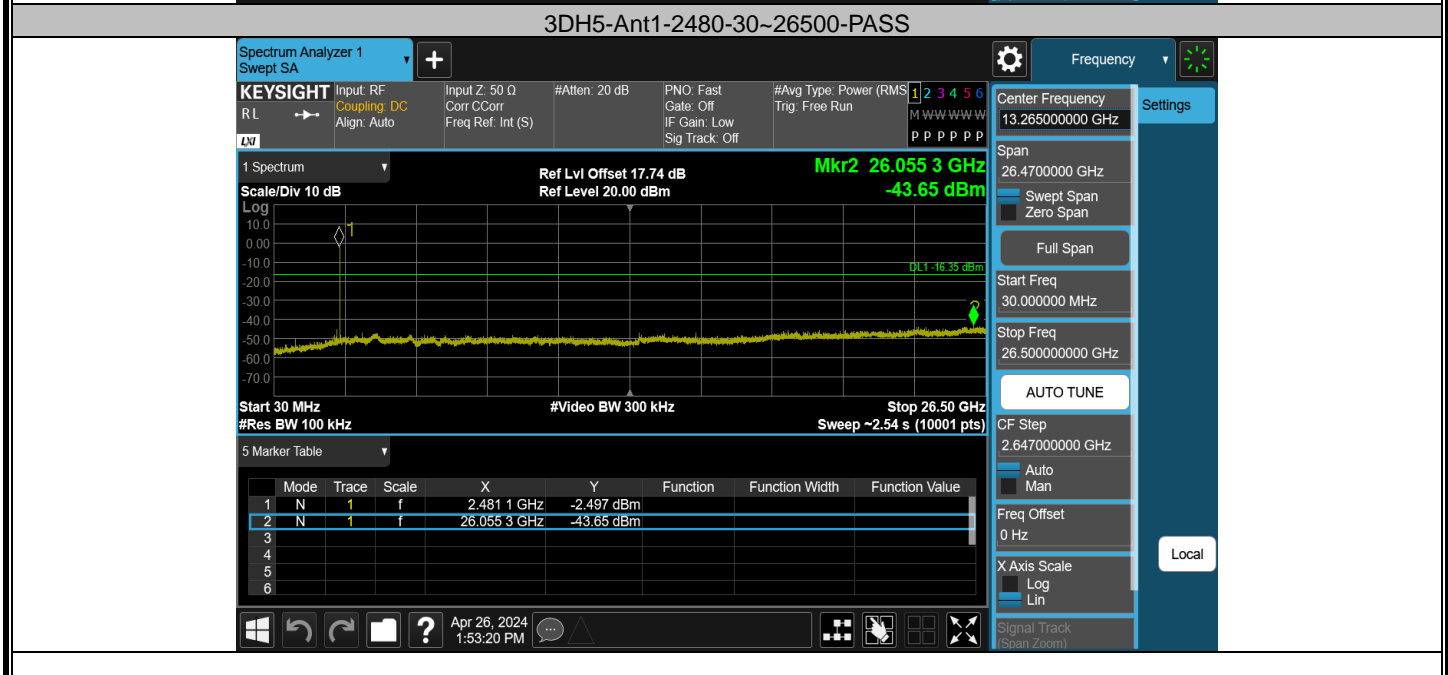
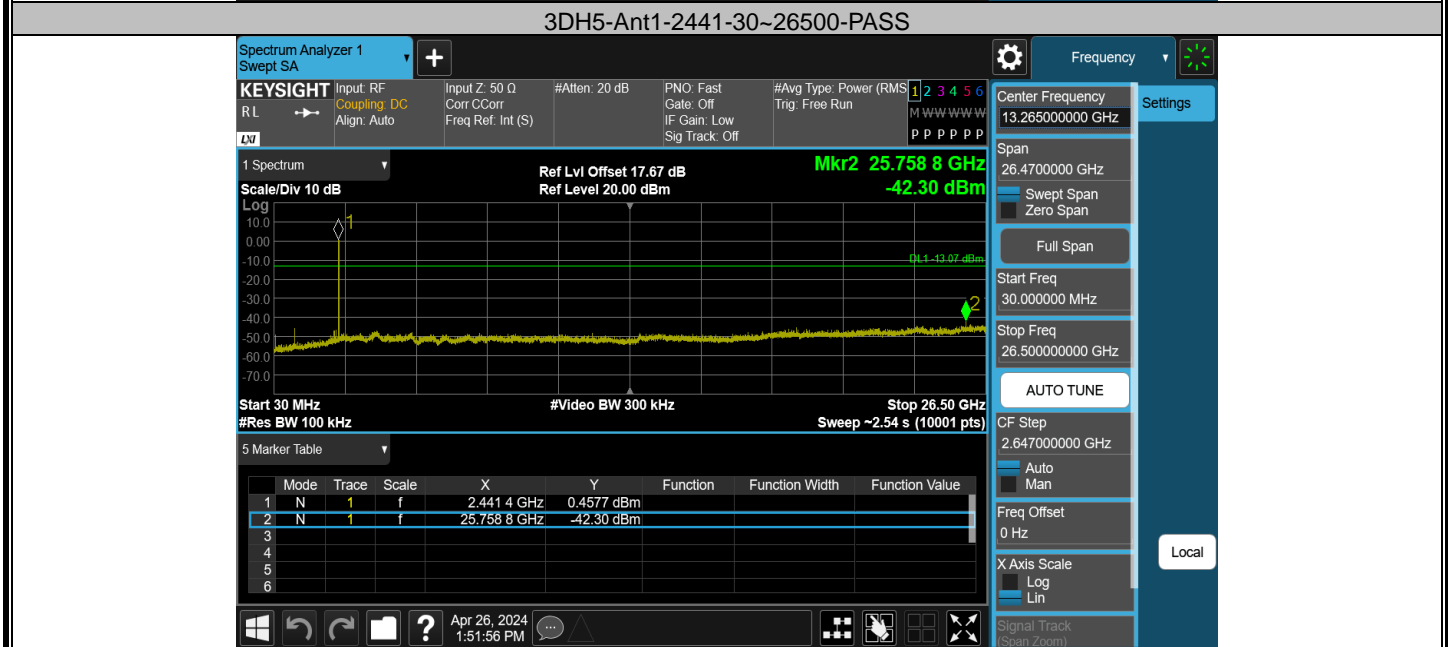
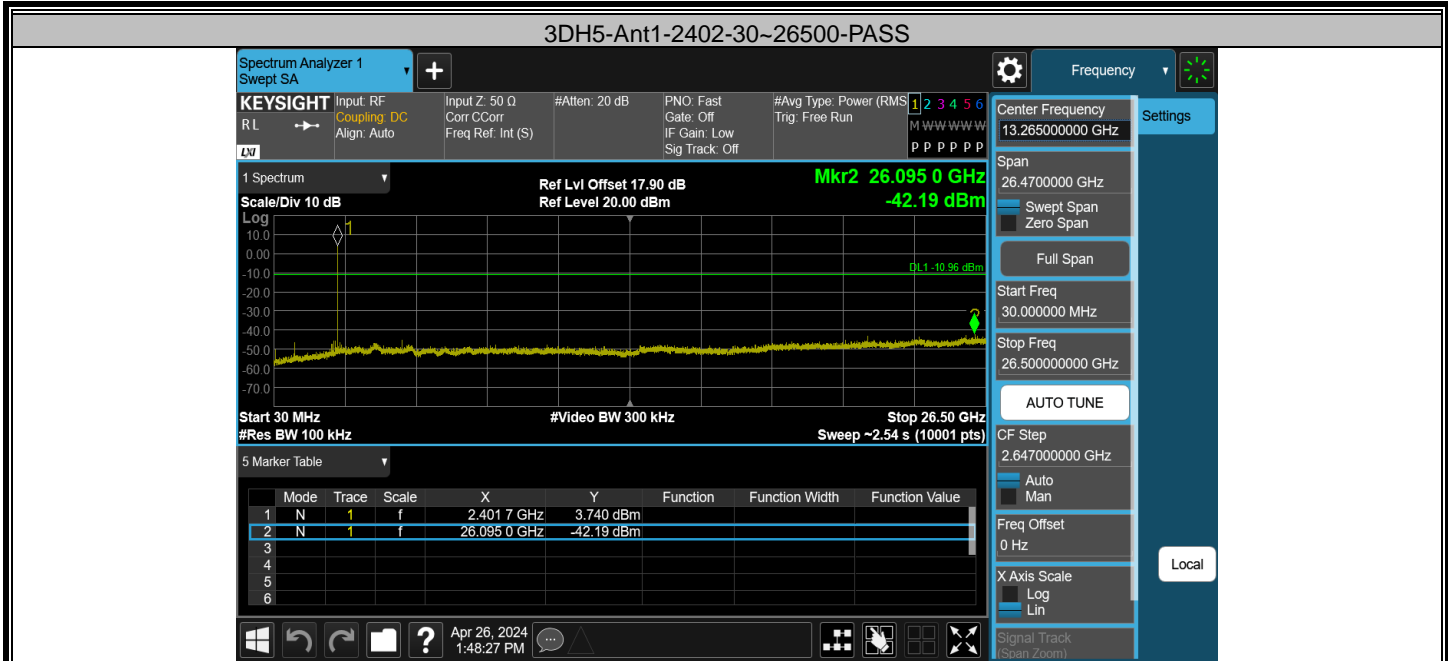


2DH5-Ant1-2441-30~26500-PASS



2DH5-Ant1-2480-30~26500-PASS





Appendix H: Reference level measurement Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2402	2401.70	9.17
DH5	Ant1	2441	2440.70	7.06
DH5	Ant1	2480	2479.71	4.25
2DH5	Ant1	2402	2401.69	9.03
2DH5	Ant1	2441	2440.81	5.97
2DH5	Ant1	2480	2479.69	4.56
3DH5	Ant1	2402	2402.05	9.04
3DH5	Ant1	2441	2440.70	6.93
3DH5	Ant1	2480	2480.01	3.65

Test Graphs

DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS



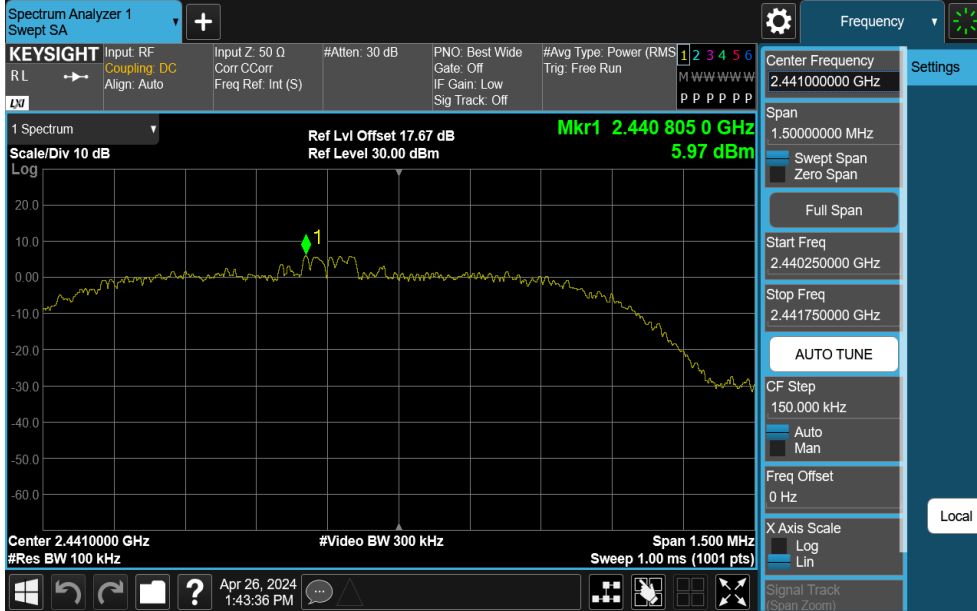
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



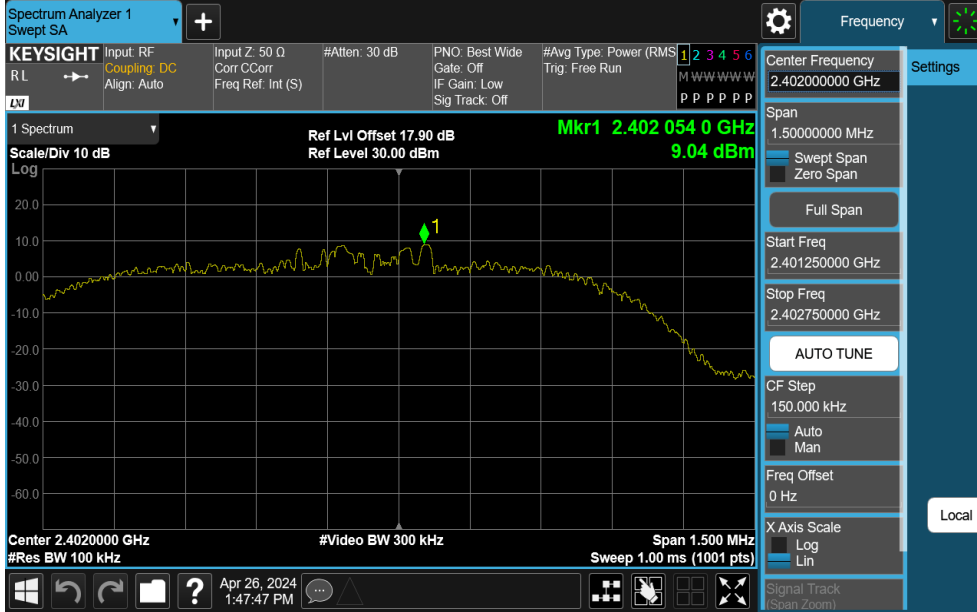
2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS



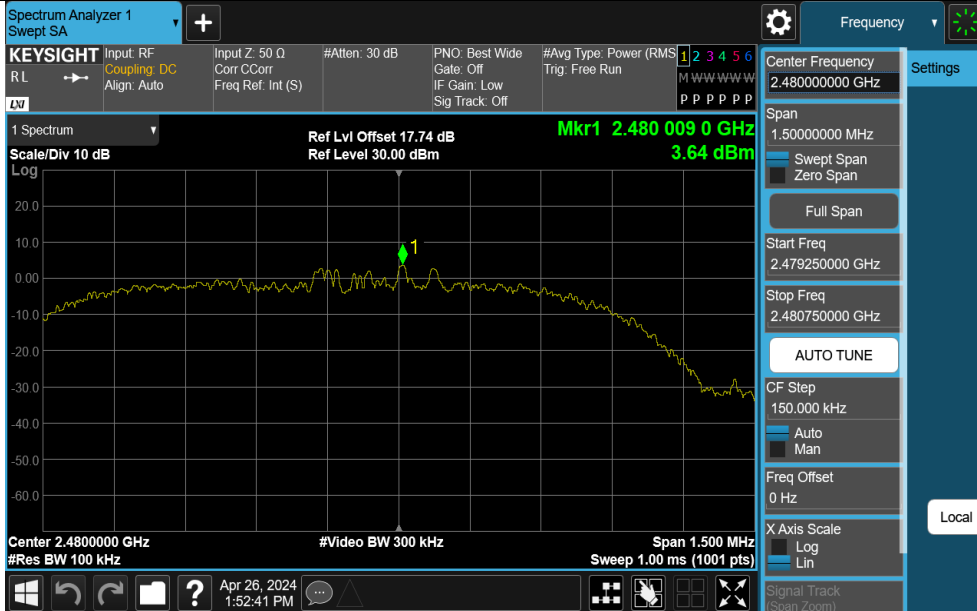
3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

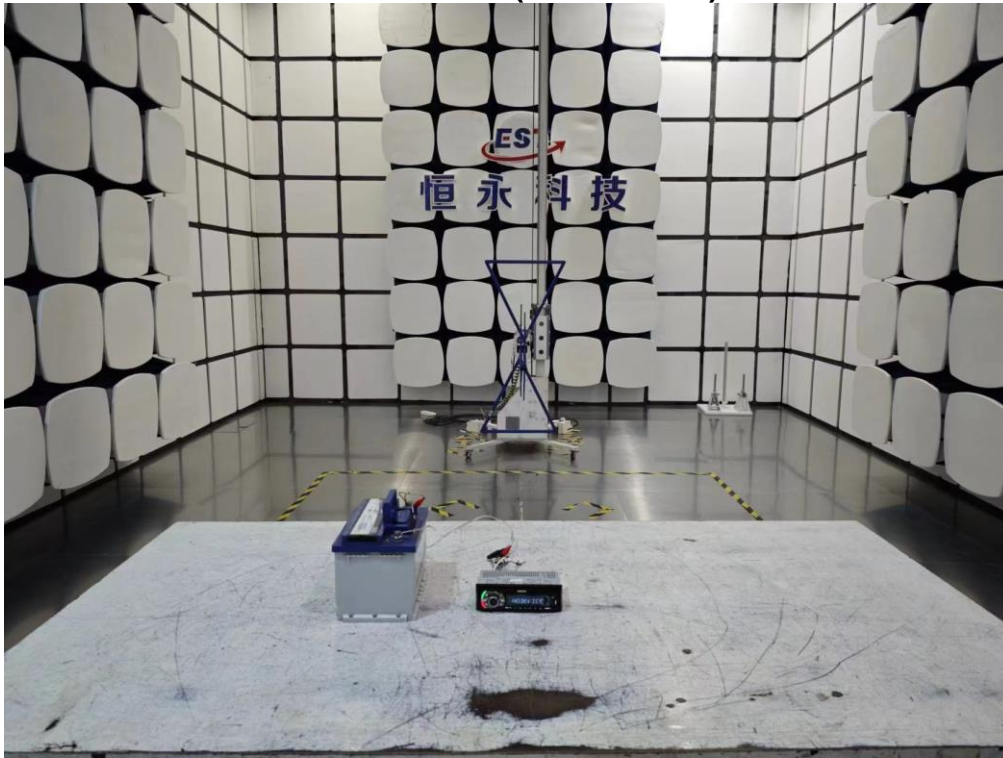


3DH5-Ant1-2480-PASS

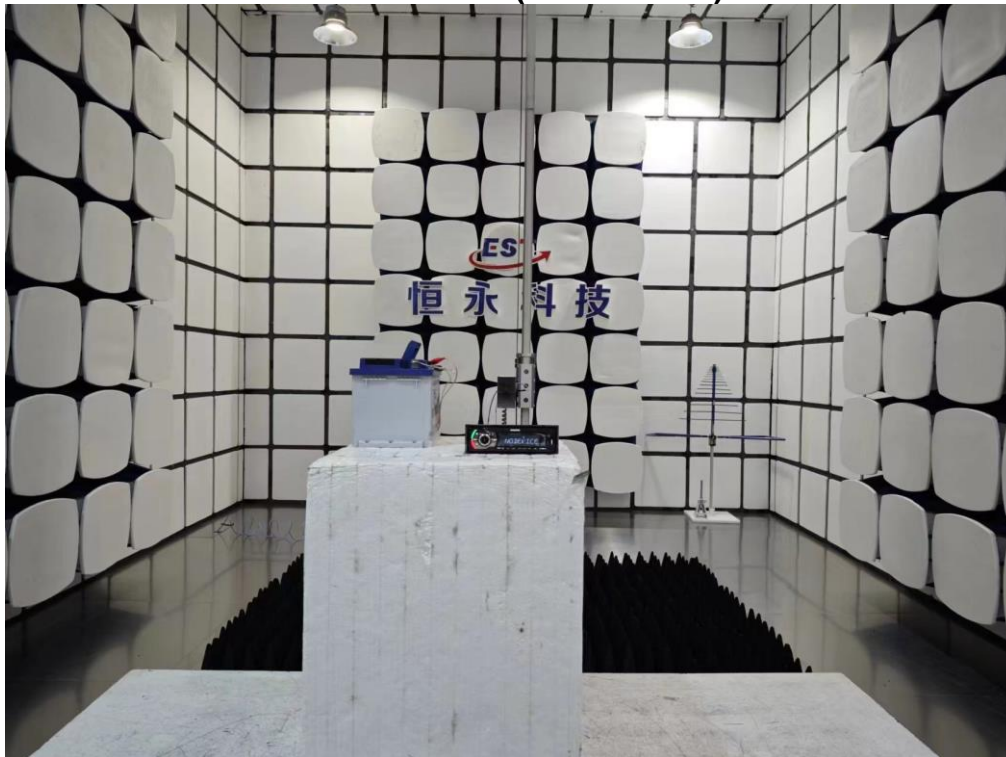


13. TEST SETUP PHOTO

Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



14. EUT PHOTO

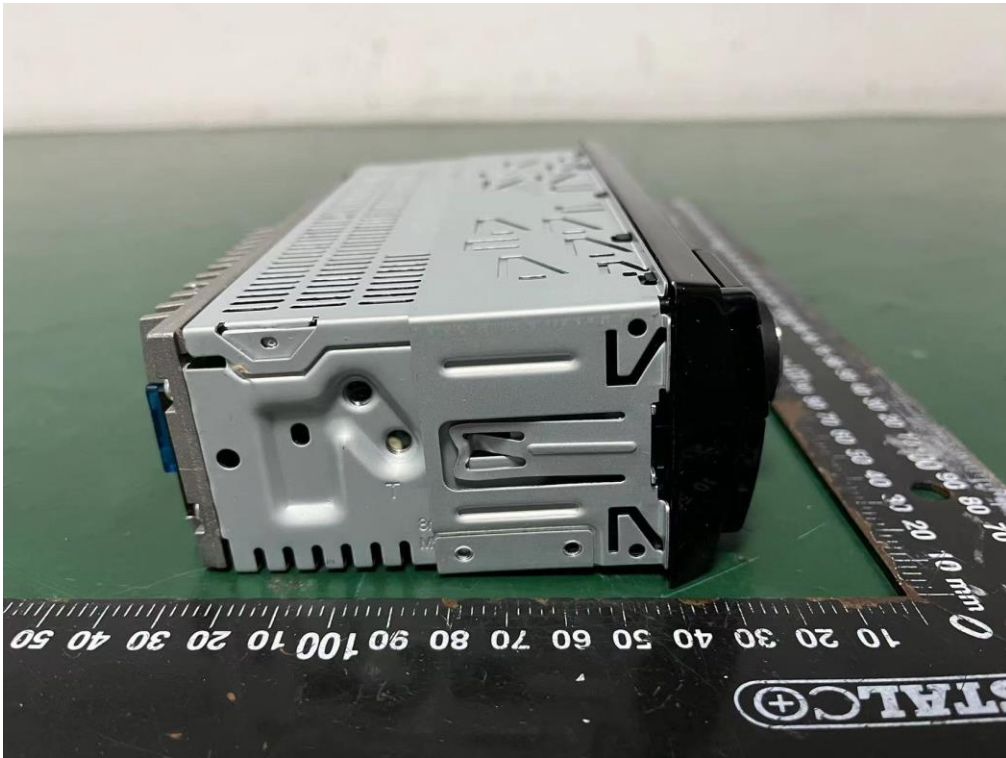
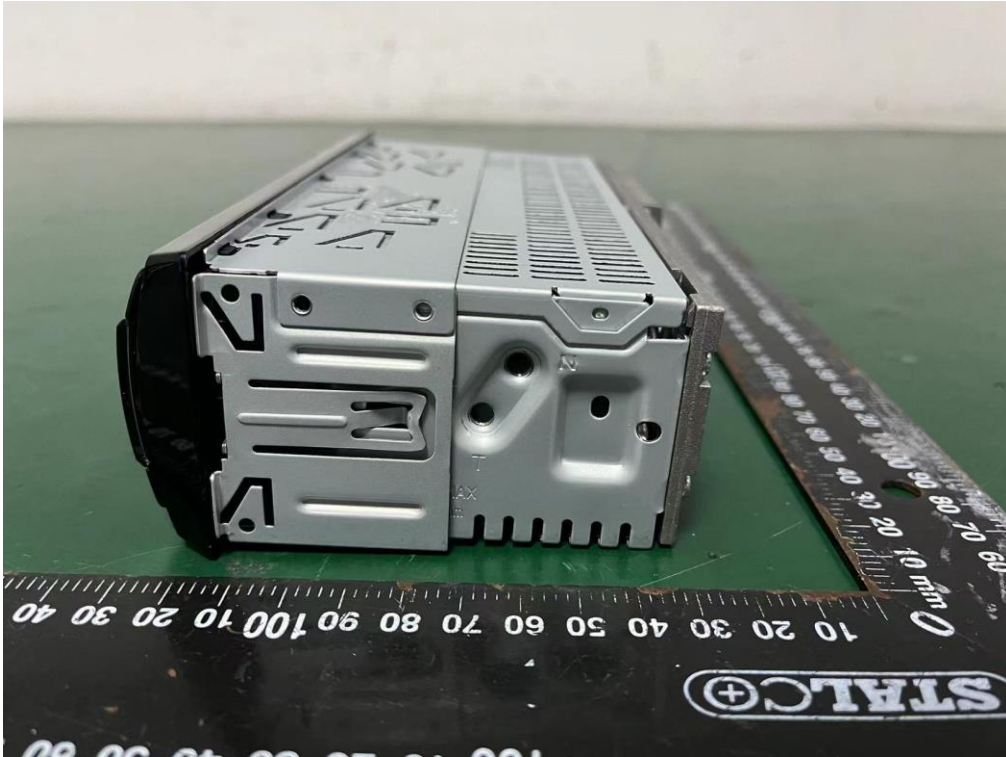
External Photos
M/N: CE235BT



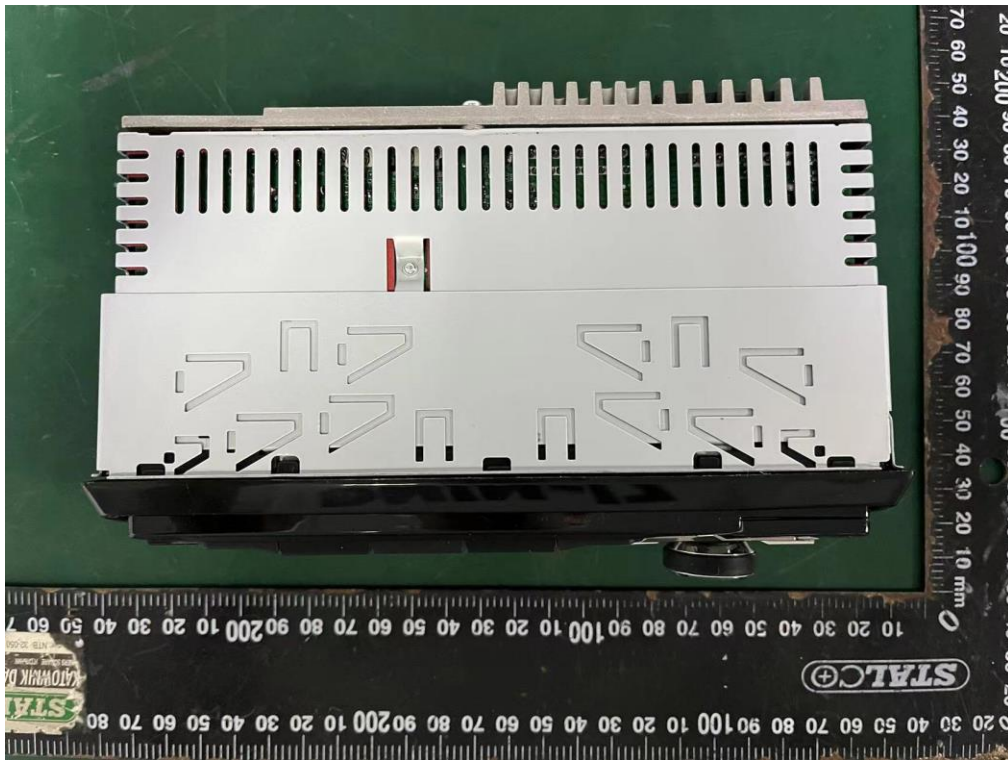
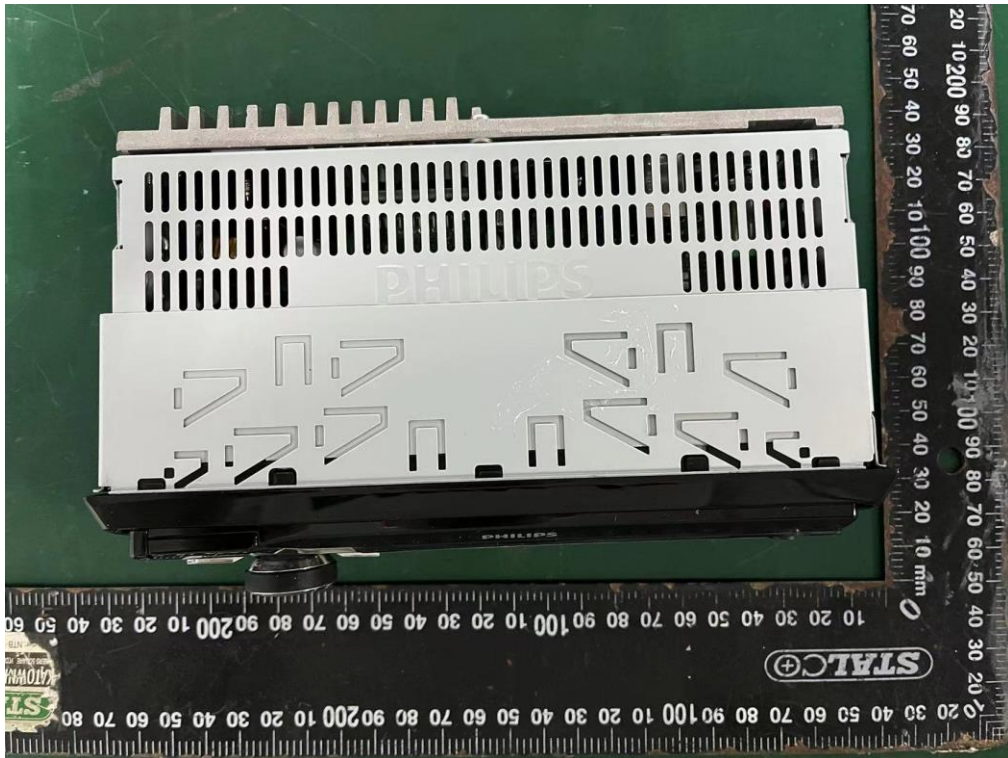
External Photos
M/N: CE235BT



External Photos
M/N: CE235BT



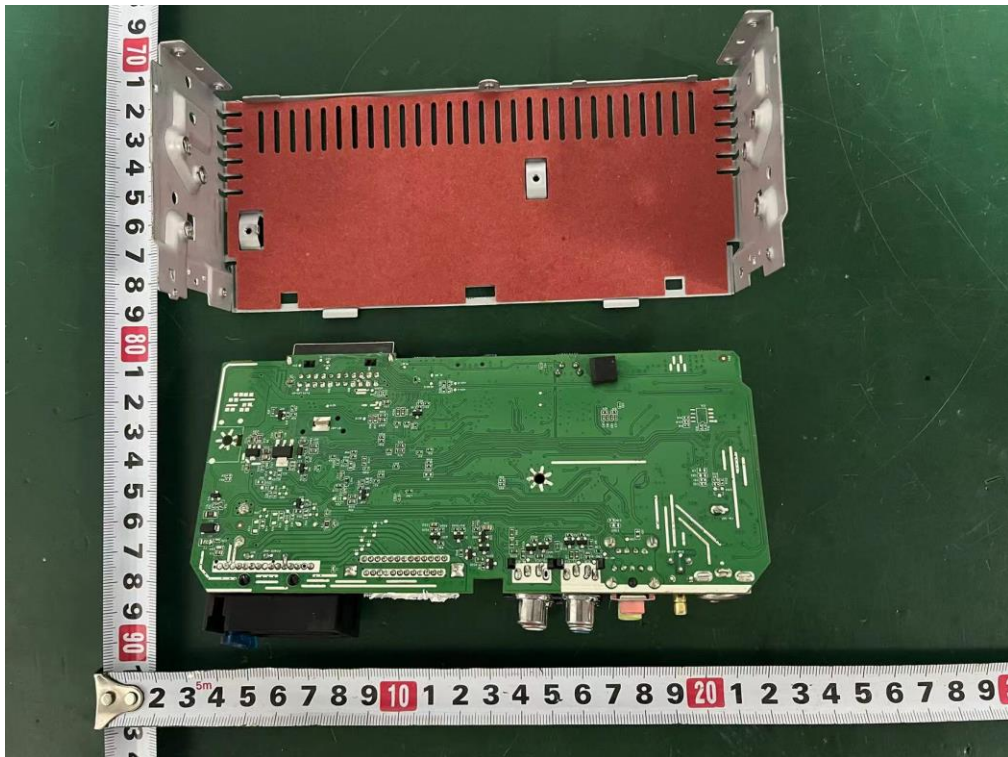
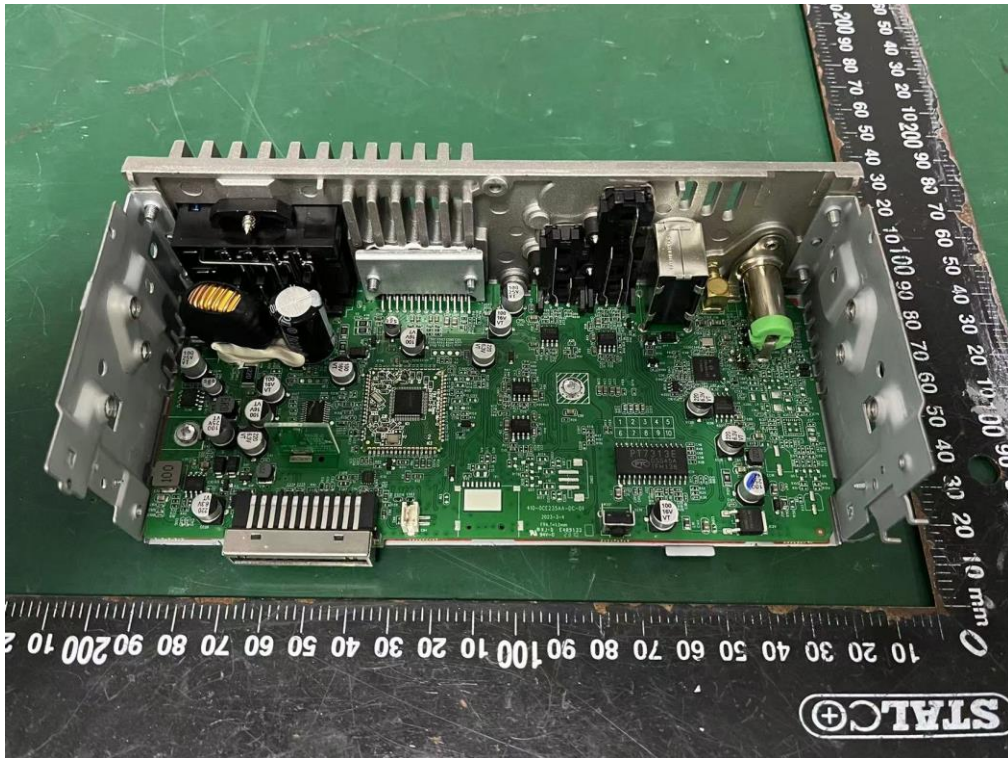
External Photos
M/N: CE235BT



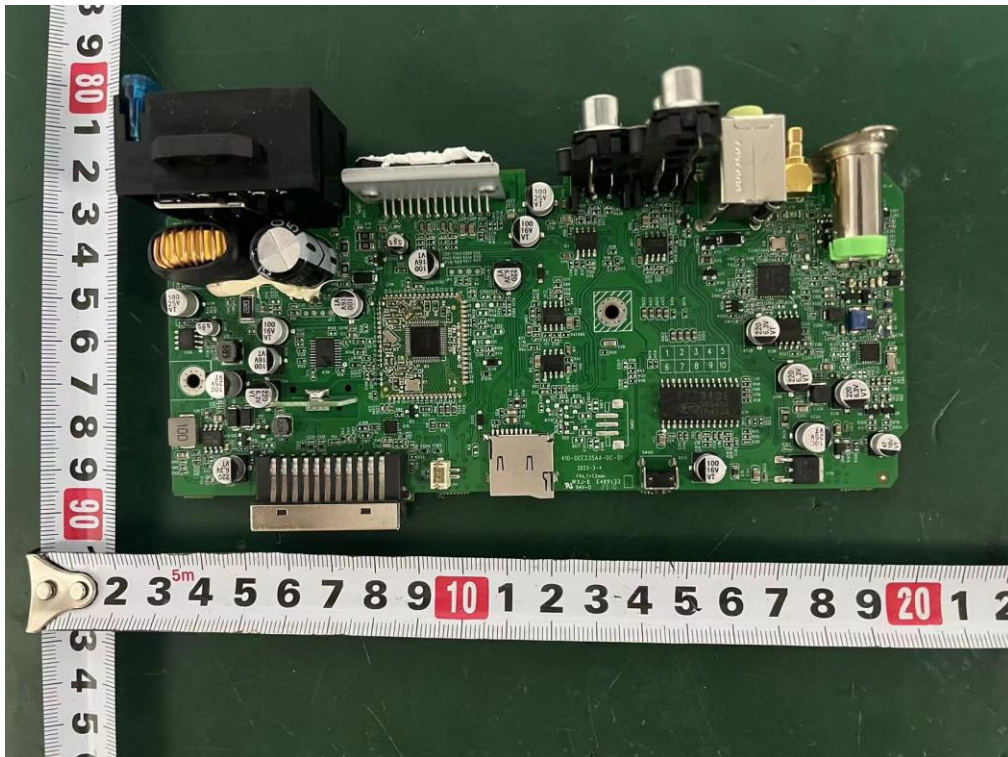
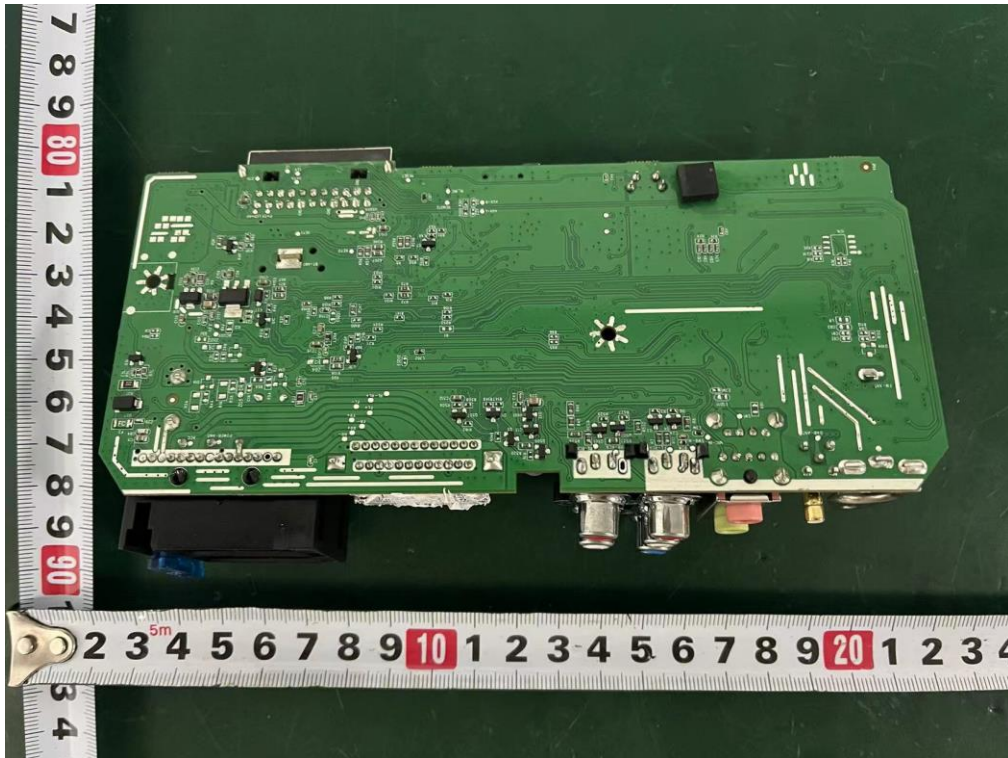
Internal Photos M/N: CE235BT



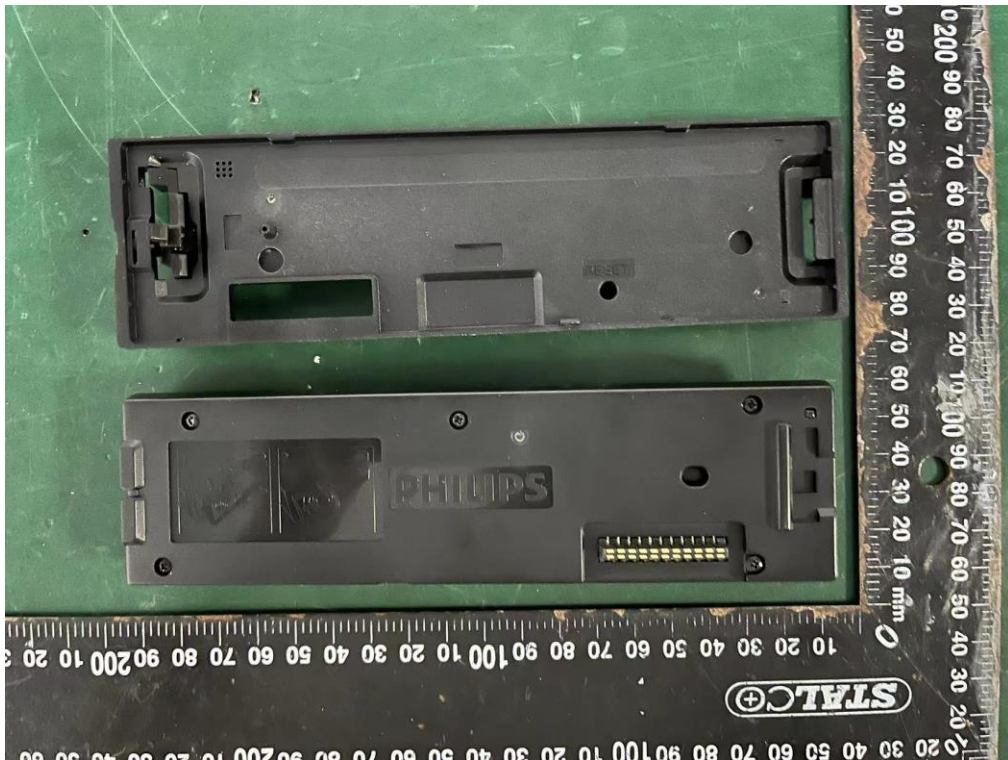
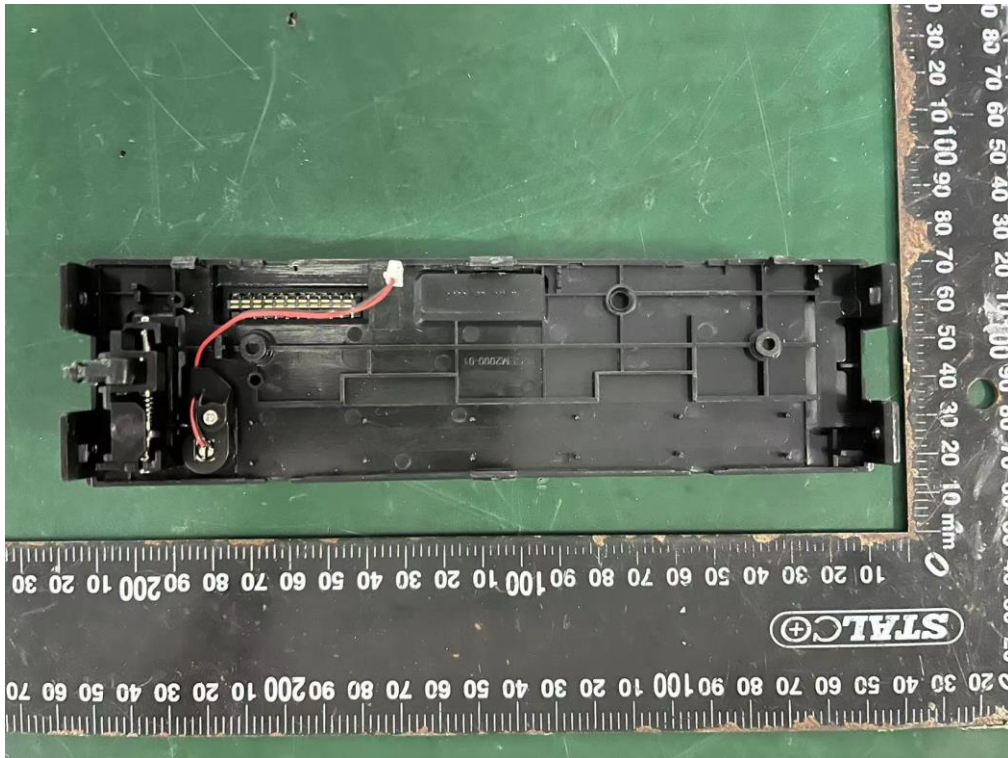
Internal Photos
M/N: CE235BT



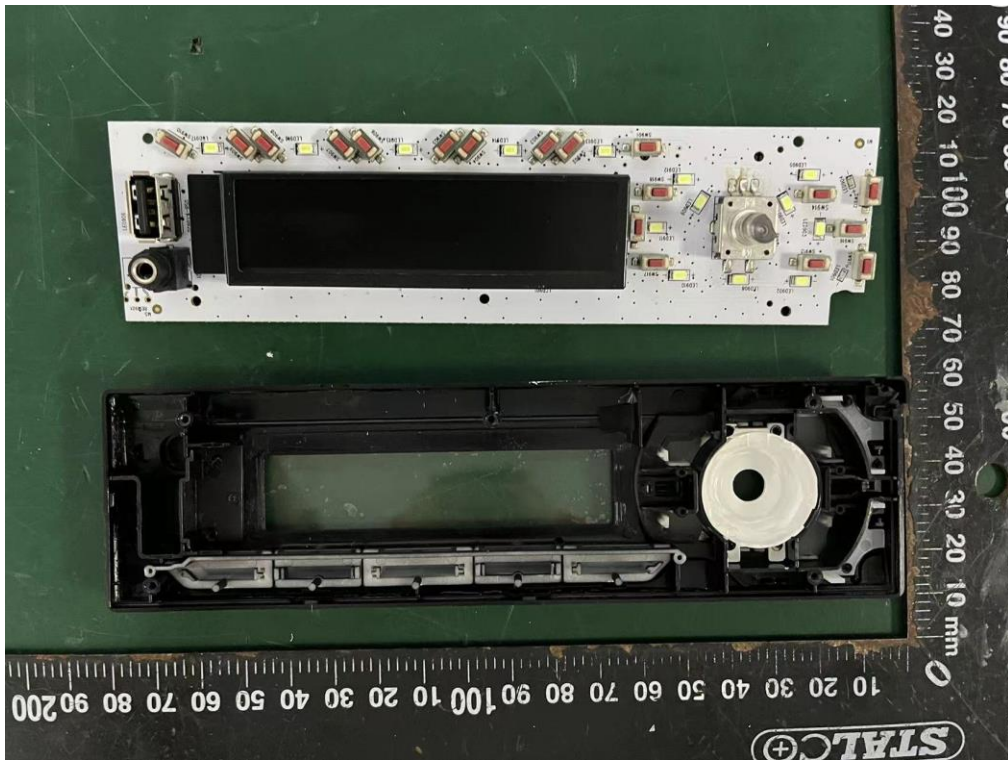
Internal Photos
M/N: CE235BT



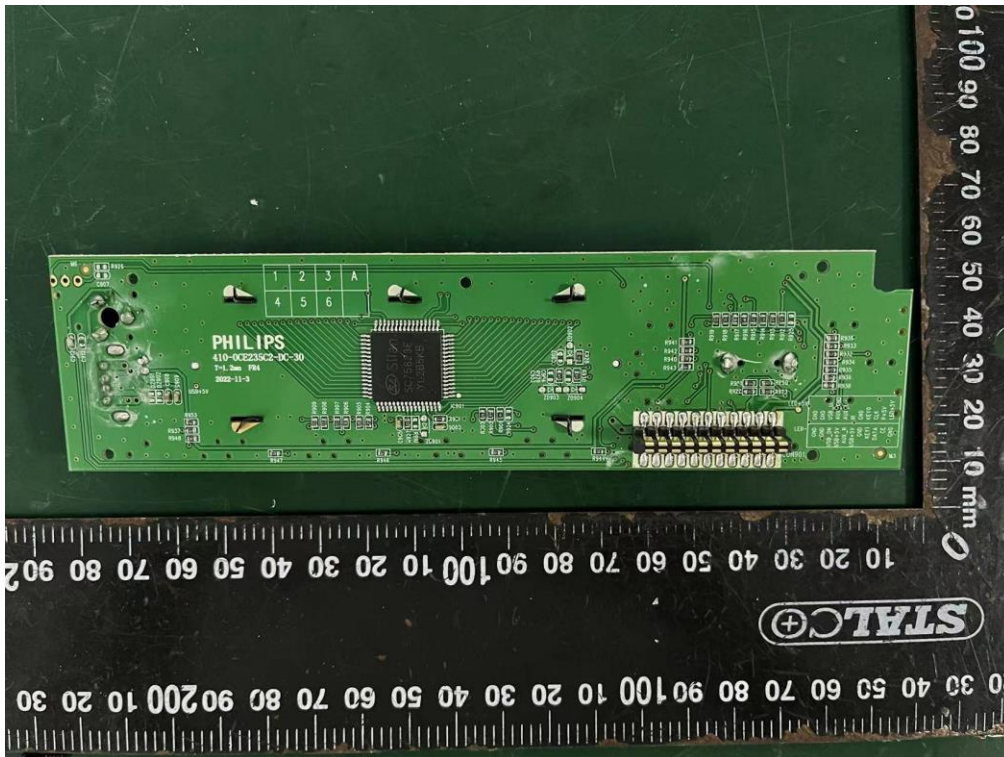
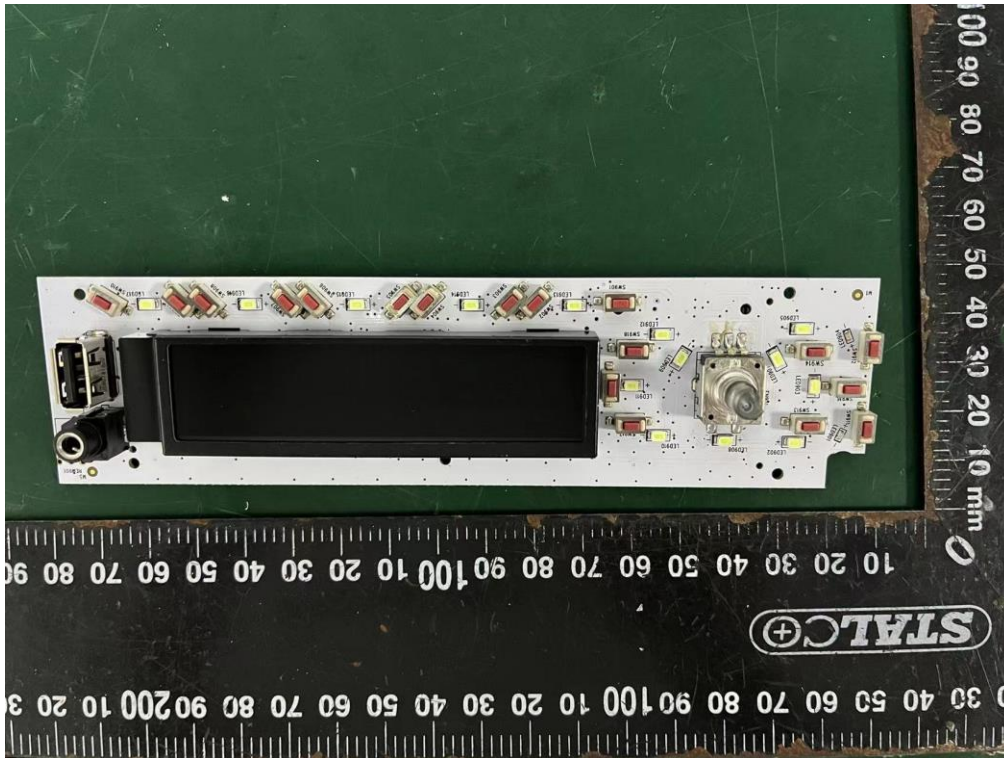
Internal Photos
M/N: CE235BT



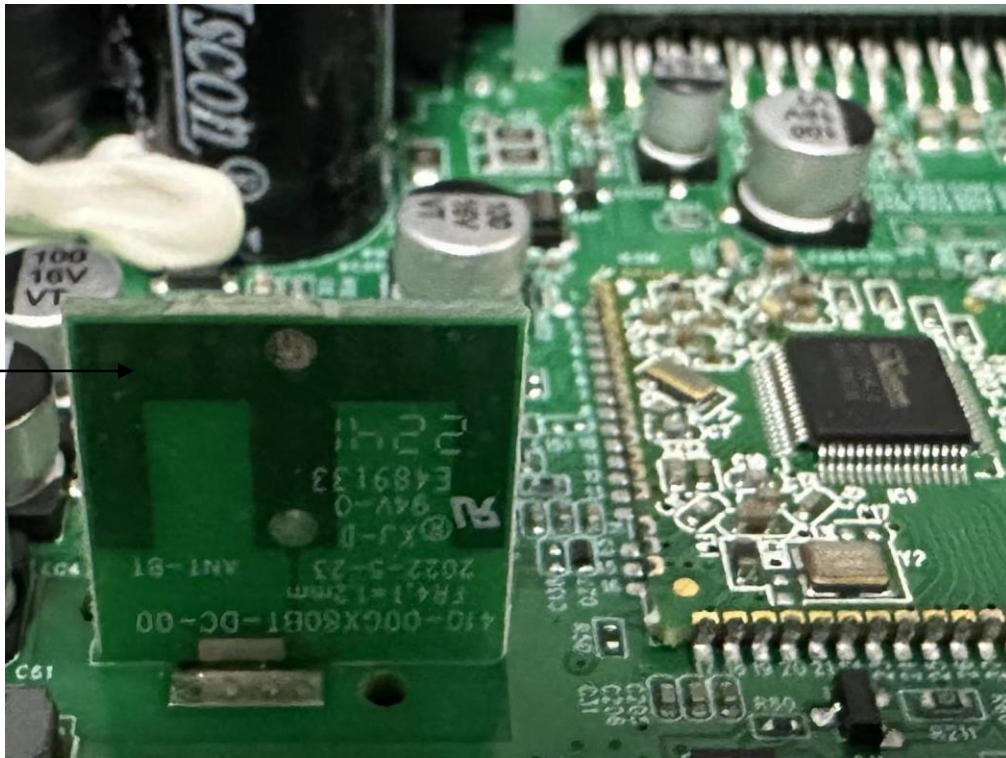
Internal Photos
M/N: CE235BT



Internal Photos
M/N: CE235BT



Internal Photos
M/N: CE235BT



Bluetooth
Antenna