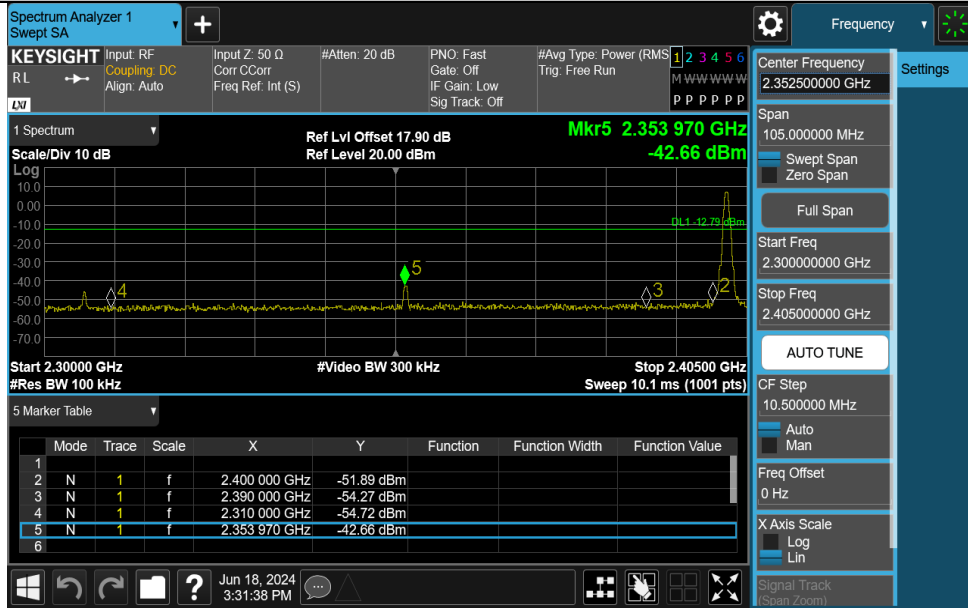
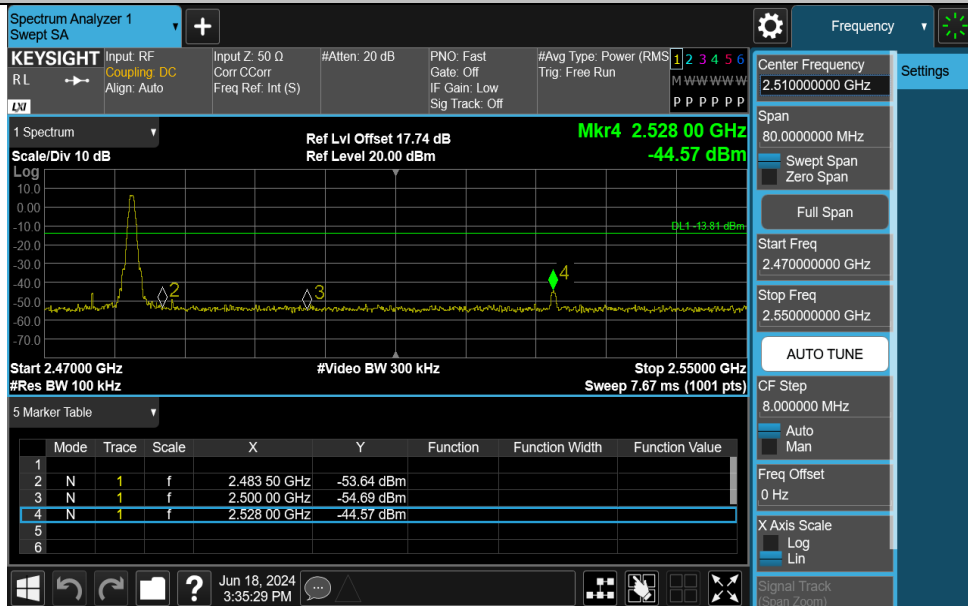


### Test Graphs

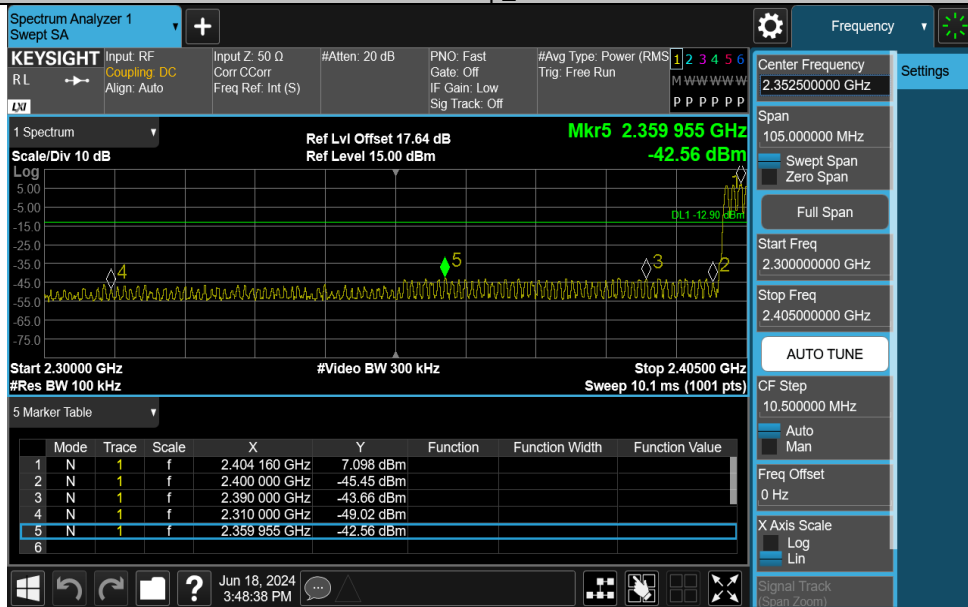
#### DH5-Ant1-2402-PASS



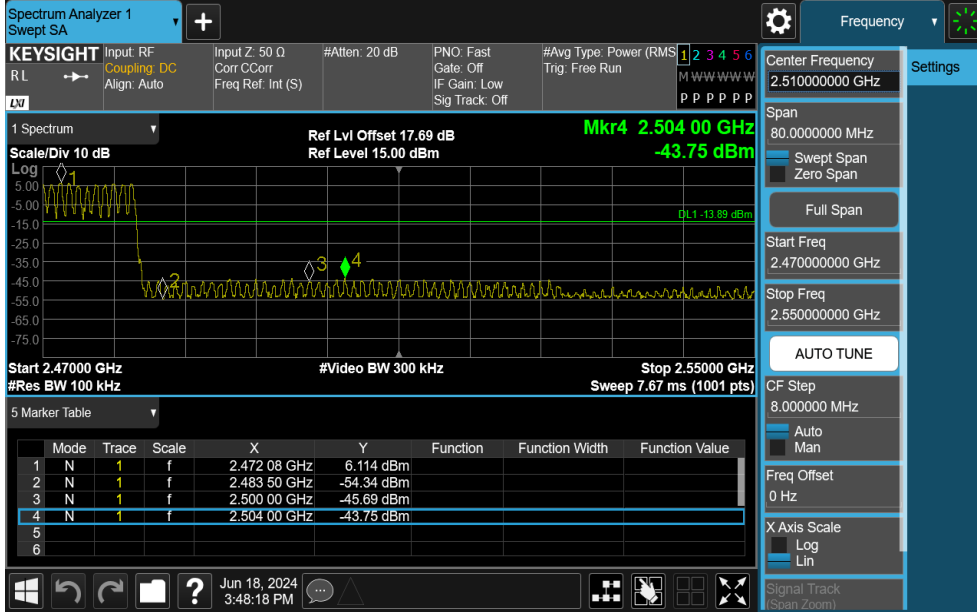
#### DH5-Ant1-2480-PASS



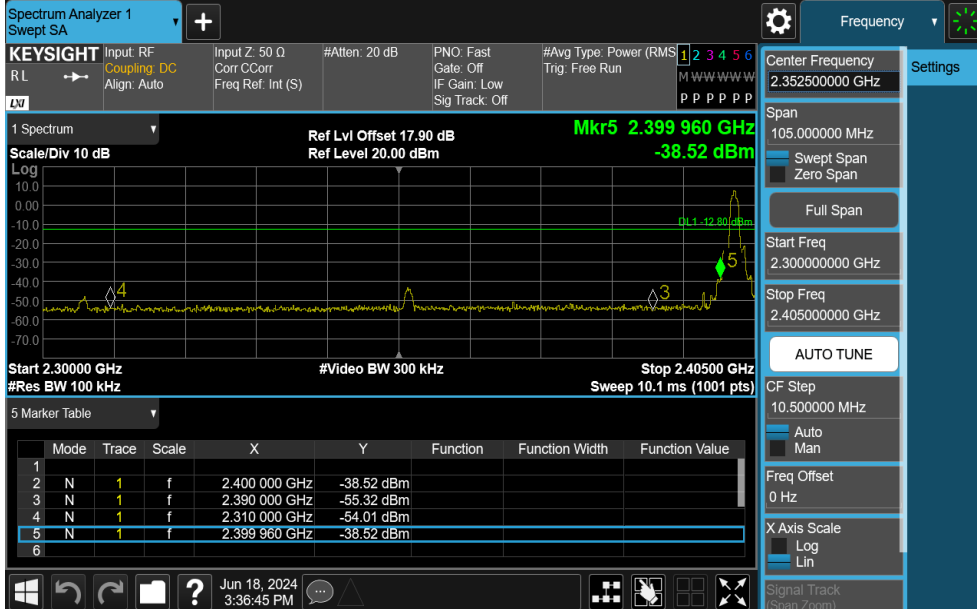
#### DH5-Ant1-Hop\_2402-PASS



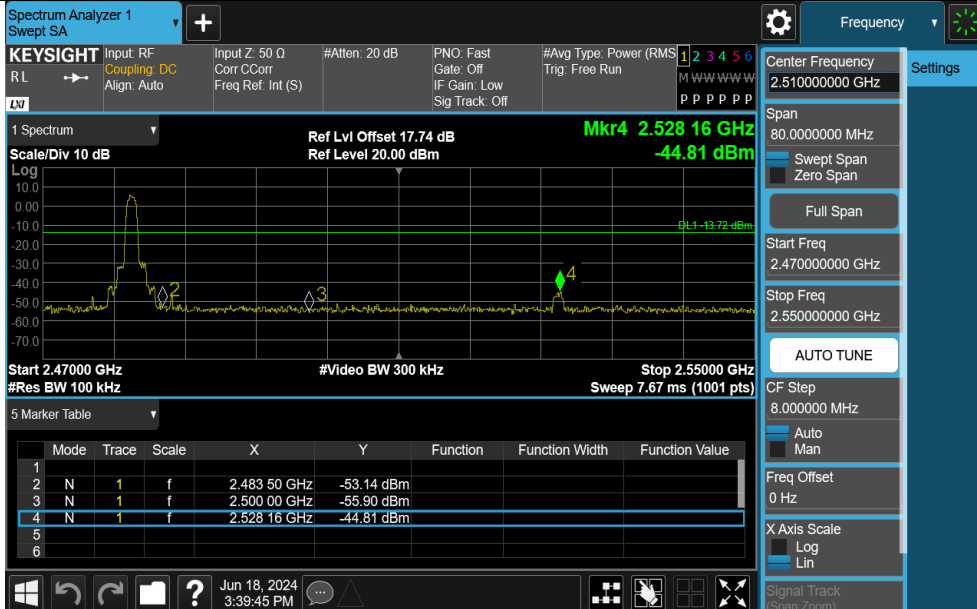
### DH5-Ant1-Hop\_2480-PASS

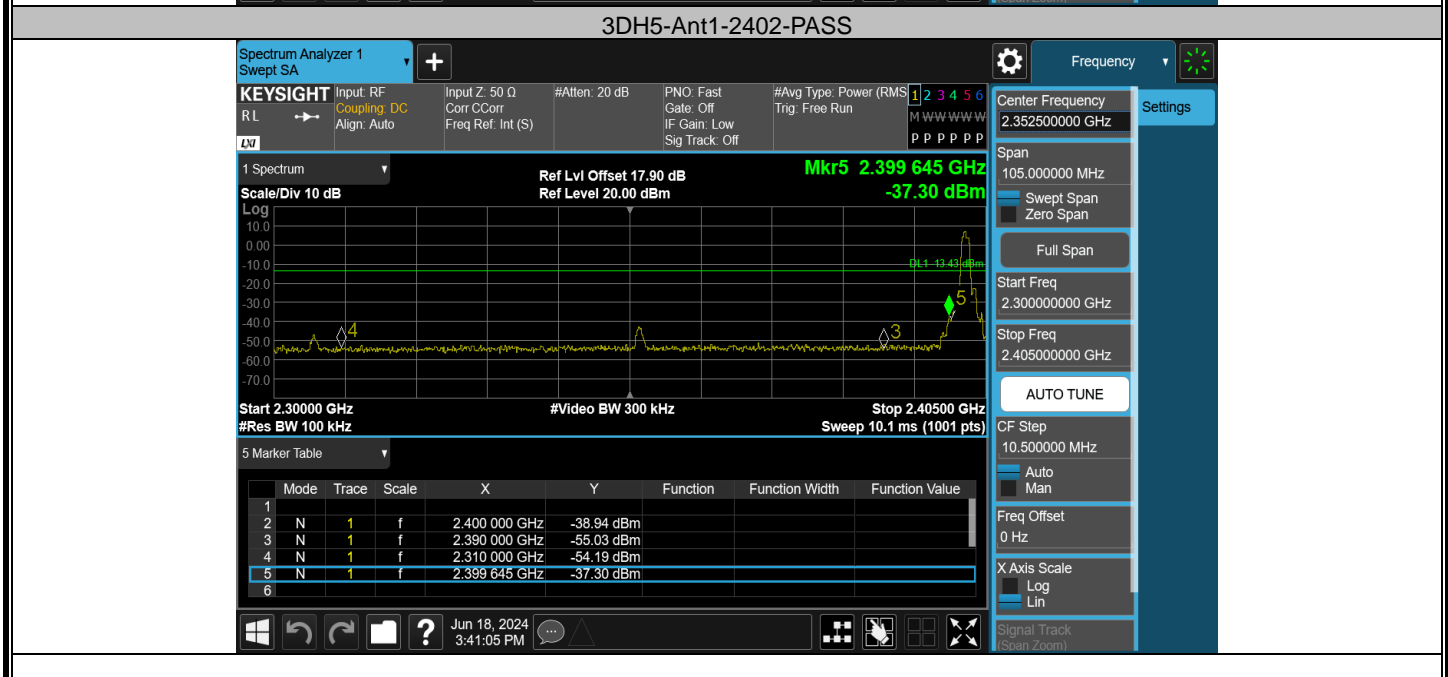
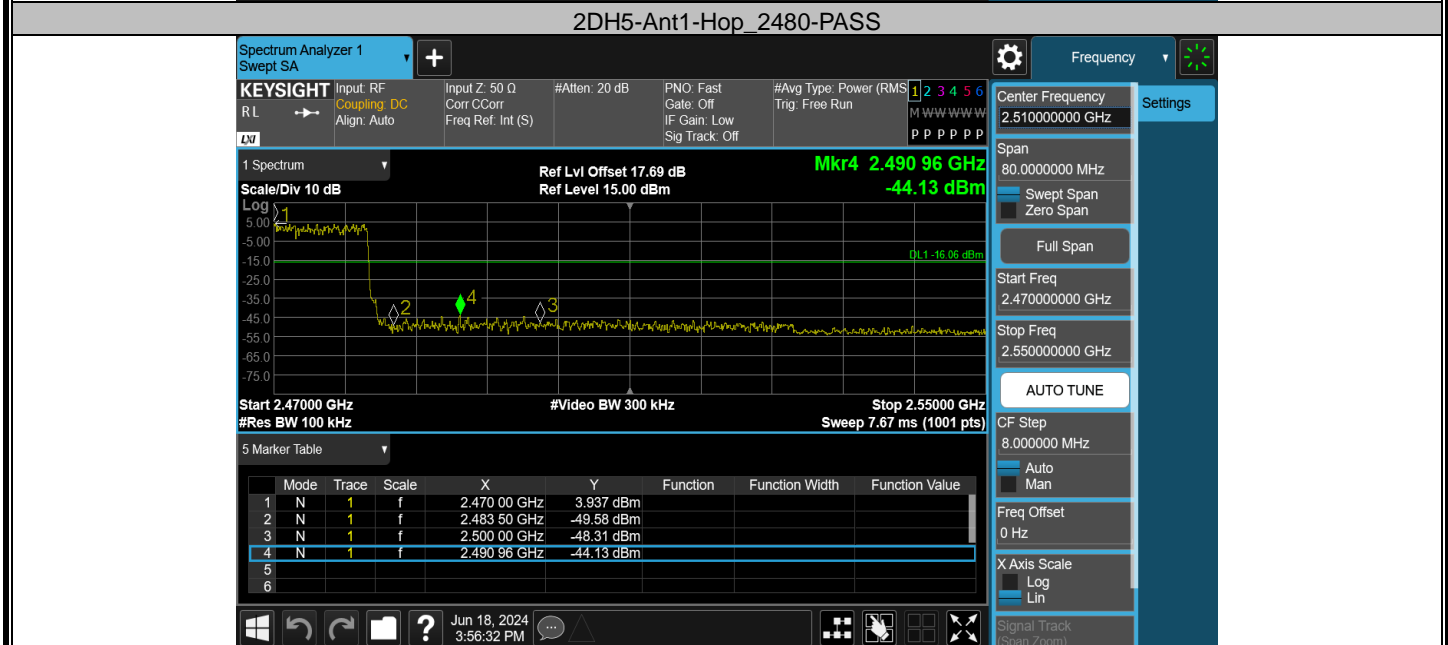
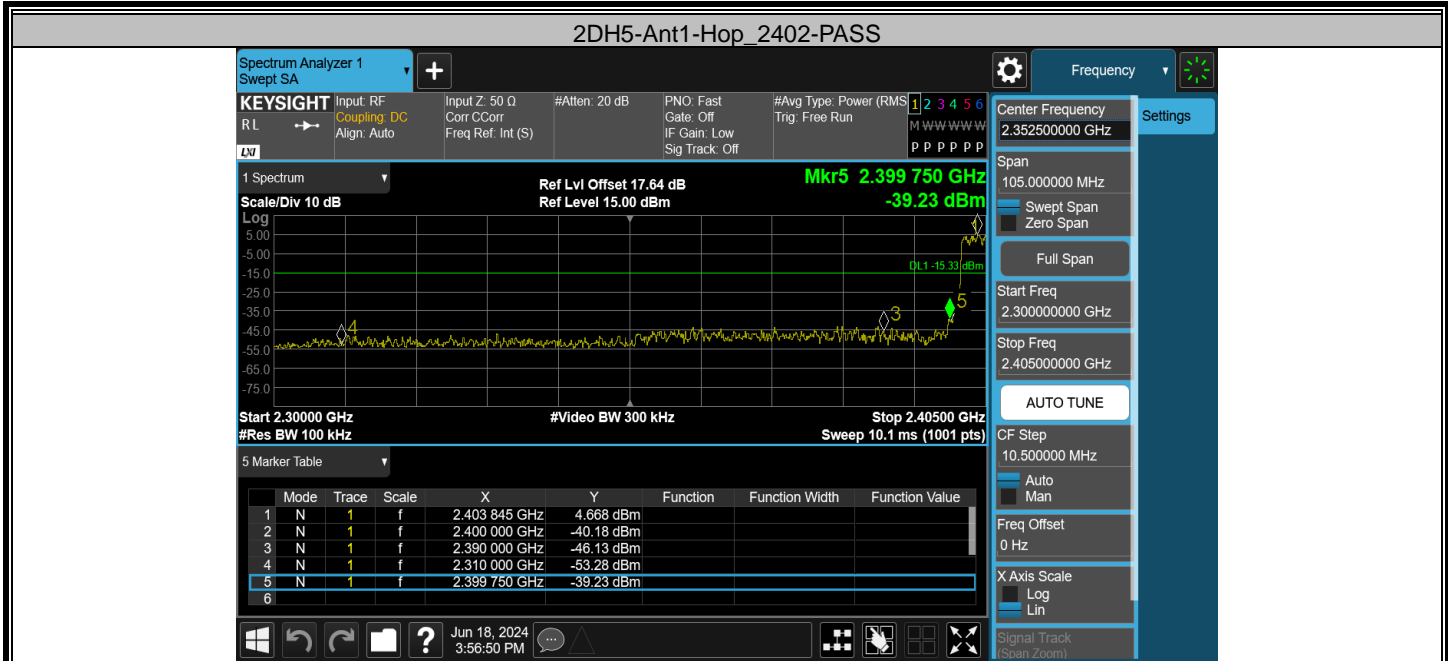


### 2DH5-Ant1-2402-PASS



### 2DH5-Ant1-2480-PASS





### 3DH5-Ant1-2480-PASS

Spectrum Analyzer 1 Swept SA

**KEYSIGHT** Input: RF 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

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 2.484 48 GHz -44.42 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	-52.32 dBm		
2	N	1	f	2.500 00 GHz	-52.05 dBm		
3	N	1	f	2.484 48 GHz	-44.42 dBm		
4	N	1	f				
5							
6							

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### 3DH5-Ant1-Hop\_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

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 2.399 540 GHz -38.99 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	2.403 950 GHz	4.767 dBm		
2	N	1	f	2.400 000 GHz	-43.13 dBm		
3	N	1	f	2.390 000 GHz	-46.73 dBm		
4	N	1	f	2.310 000 GHz	-50.98 dBm		
5	N	1	f	2.399 540 GHz	-38.99 dBm		
6							

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### 3DH5-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

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 2.518 80 GHz -44.83 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 84 GHz	5.914 dBm		
2	N	1	f	2.483 50 GHz	-50.40 dBm		
3	N	1	f	2.500 00 GHz	-49.68 dBm		
4	N	1	f	2.518 80 GHz	-44.83 dBm		
5							
6							

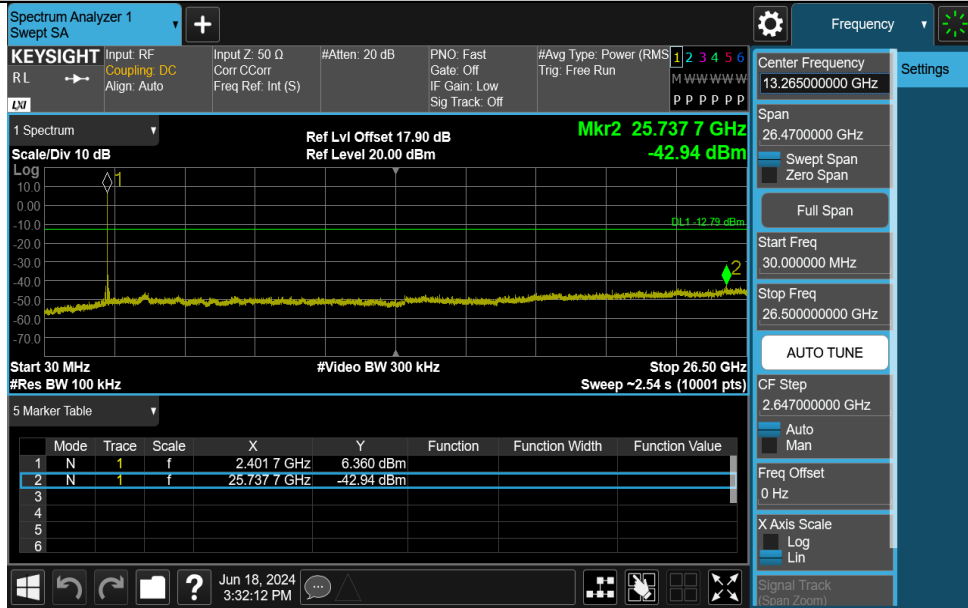
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### Appendix G: Conducted Spurious Emission Test Result

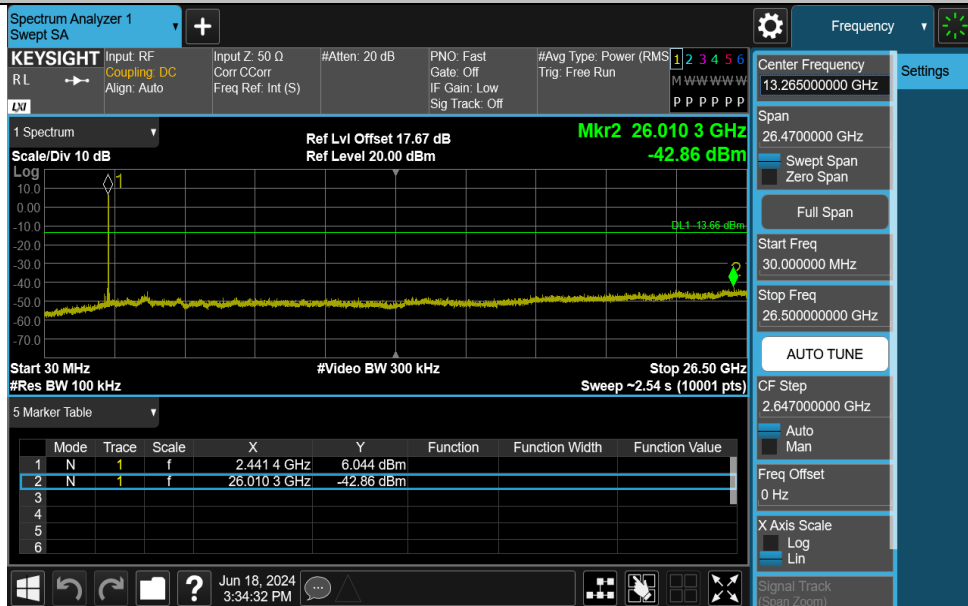
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~26500	7.21	-42.94	≤-12.79	PASS
DH5	Ant1	2441	30~26500	6.34	-42.86	≤-13.66	PASS
DH5	Ant1	2480	30~26500	6.19	-43.4	≤-13.81	PASS
2DH5	Ant1	2402	30~26500	7.20	-43.09	≤-12.8	PASS
2DH5	Ant1	2441	30~26500	5.37	-43.68	≤-14.63	PASS
2DH5	Ant1	2480	30~26500	6.28	-43.36	≤-13.72	PASS
3DH5	Ant1	2402	30~26500	6.57	-43.35	≤-13.43	PASS
3DH5	Ant1	2441	30~26500	6.37	-43.38	≤-13.63	PASS
3DH5	Ant1	2480	30~26500	5.81	-43.49	≤-14.19	PASS

### Test Graphs

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



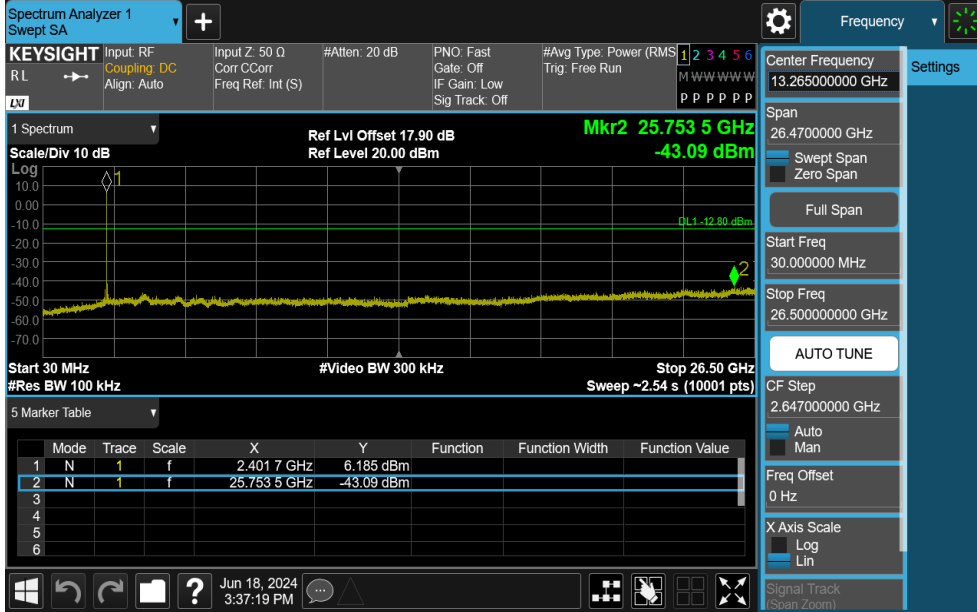
#### DH5-Ant1-2441-30~26500-PASS



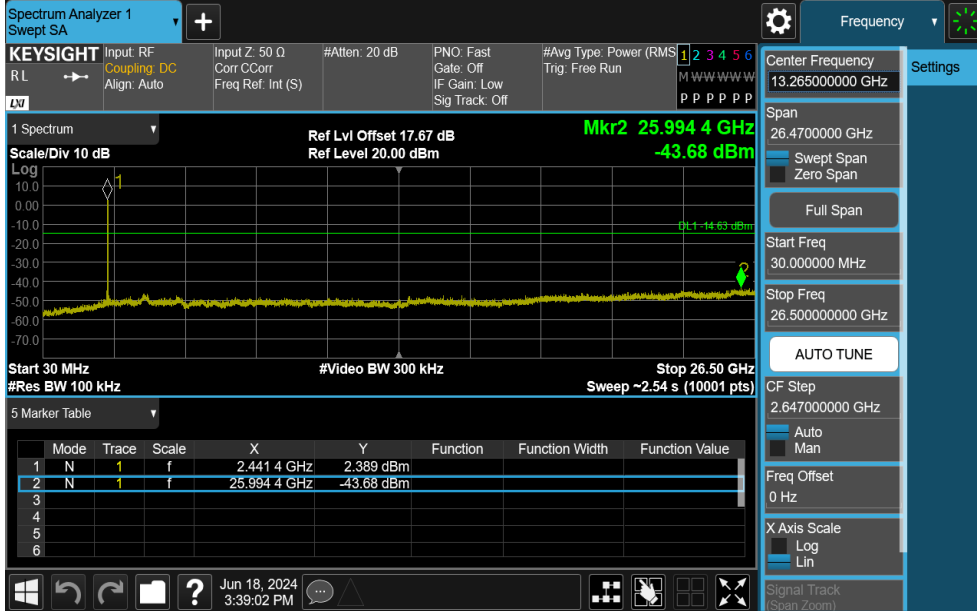
#### DH5-Ant1-2480-30~26500-PASS



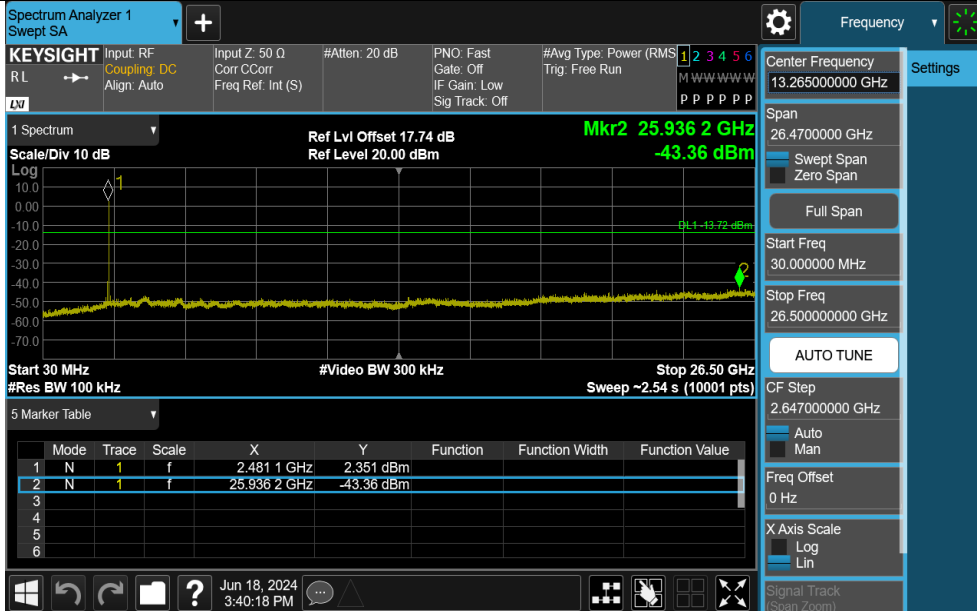
2DH5-Ant1-2402-30~26500-PASS



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



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



### 3DH5-Ant1-2402-30~26500-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: 13.265000000 GHz

Span: 26.4700000 GHz

Start Freq: 30.0000000 MHz

Stop Freq: 26.500000000 GHz

AUTO TUNE

CF Step: 2.647000000 GHz

Freq Offset: 0 Hz

X Axis Scale: Log

Signal Track (Span Zoom)

1 Spectrum Scale/Div 10 dB Ref Lvl Offset 17.90 dB Ref Level 20.00 dB Mkr2 25.674 1 GHz -43.35 dBm

Start 30 MHz #Res BW 100 kHz #Video BW 300 kHz Stop 26.50 GHz Sweep ~2.54 s (10001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.401 7 GHz	5.519 dBm		
2	N	1	f	25.674 1 GHz	-43.35 dBm		
3							
4							
5							
6							

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### 3DH5-Ant1-2441-30~26500-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: 13.265000000 GHz

Span: 26.4700000 GHz

Start Freq: 30.0000000 MHz

Stop Freq: 26.500000000 GHz

AUTO TUNE

CF Step: 2.647000000 GHz

Freq Offset: 0 Hz

X Axis Scale: Log

Signal Track (Span Zoom)

1 Spectrum Scale/Div 10 dB Ref Lvl Offset 17.67 dB Ref Level 20.00 dB Mkr2 25.645 0 GHz -43.38 dBm

Start 30 MHz #Res BW 100 kHz #Video BW 300 kHz Stop 26.50 GHz Sweep ~2.54 s (10001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.441 4 GHz	6.413 dBm		
2	N	1	f	25.645 0 GHz	-43.38 dBm		
3							
4							
5							
6							

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### 3DH5-Ant1-2480-30~26500-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: 13.265000000 GHz

Span: 26.4700000 GHz

Start Freq: 30.0000000 MHz

Stop Freq: 26.500000000 GHz

AUTO TUNE

CF Step: 2.647000000 GHz

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 Mkr2 26.256 5 GHz -43.49 dBm

Start 30 MHz #Res BW 100 kHz #Video BW 300 kHz Stop 26.50 GHz Sweep ~2.54 s (10001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.481 1 GHz	3.812 dBm		
2	N	1	f	26.256 5 GHz	-43.49 dBm		
3							
4							
5							
6							

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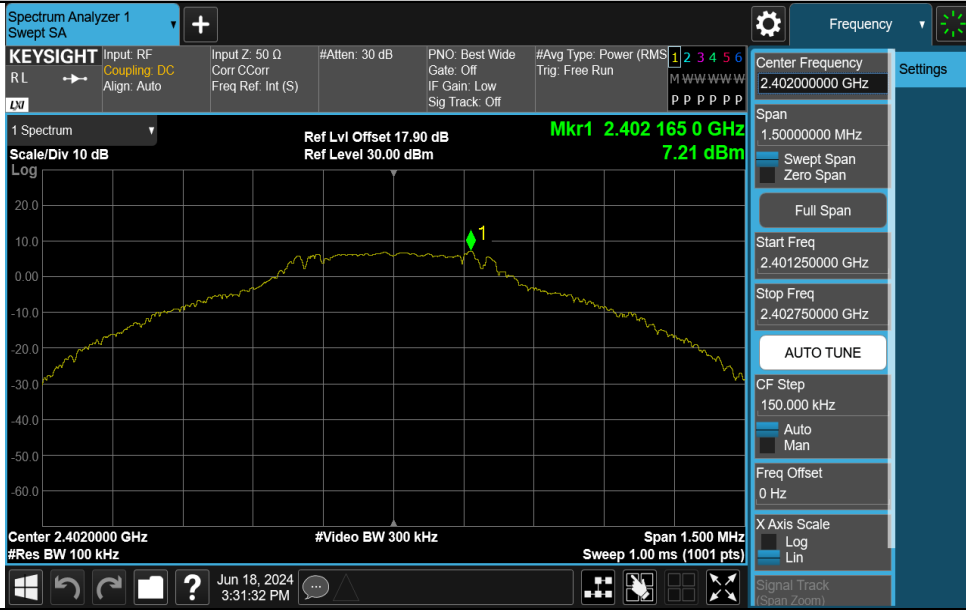


Appendix H: Reference level measurement  
Test Result

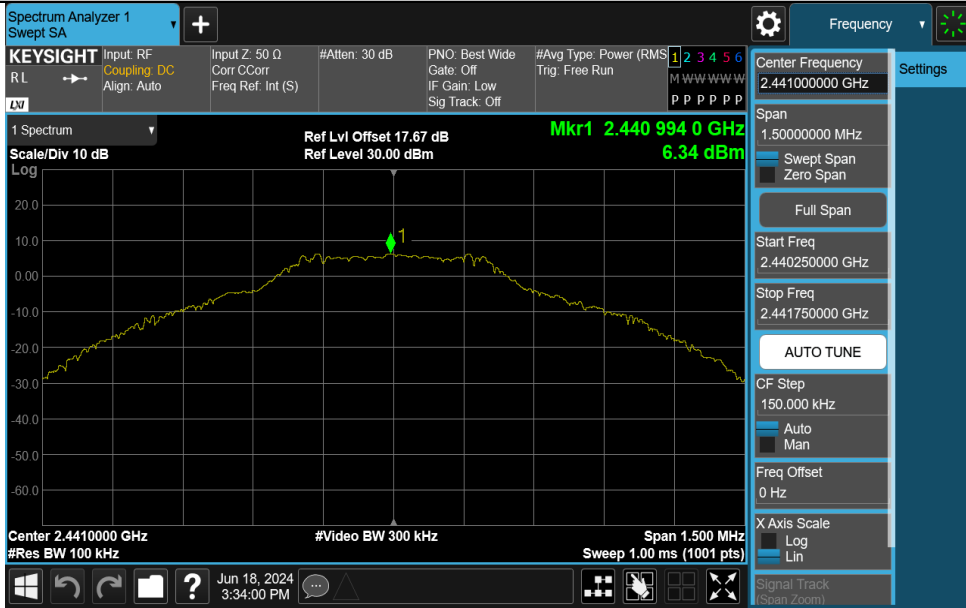
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2402	2402.17	7.21
DH5	Ant1	2441	2440.99	6.34
DH5	Ant1	2480	2479.83	6.19
2DH5	Ant1	2402	2402.00	7.20
2DH5	Ant1	2441	2440.82	5.37
2DH5	Ant1	2480	2480.00	6.28
3DH5	Ant1	2402	2401.97	6.57
3DH5	Ant1	2441	2441.00	6.37
3DH5	Ant1	2480	2480.18	5.81

### Test Graphs

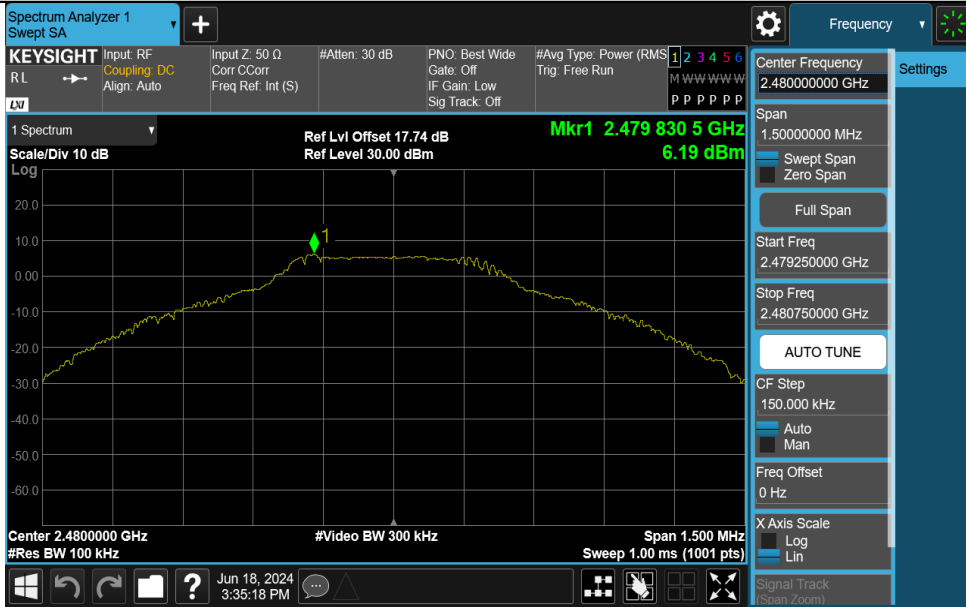
#### DH5-Ant1-2402-PASS



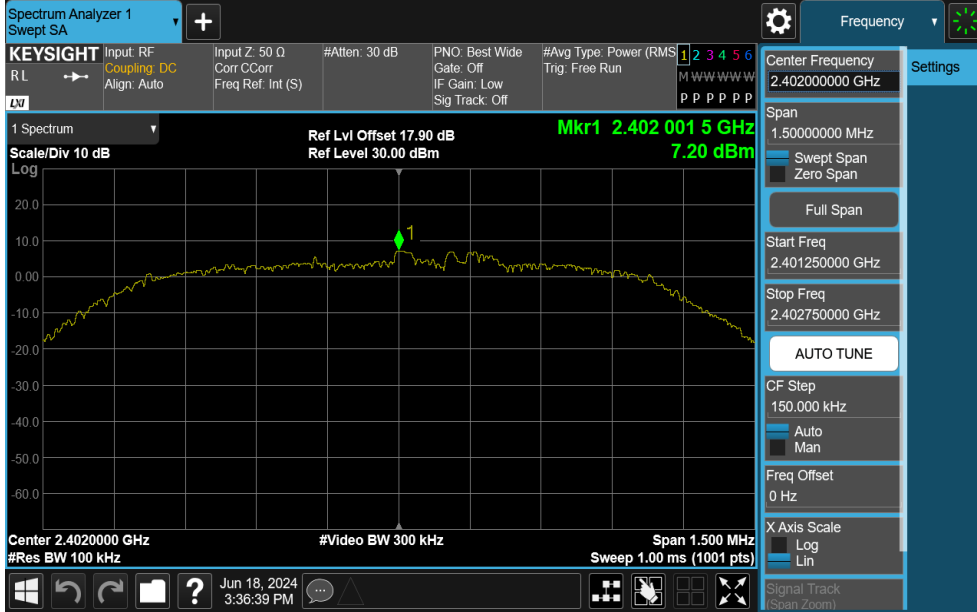
#### DH5-Ant1-2441-PASS



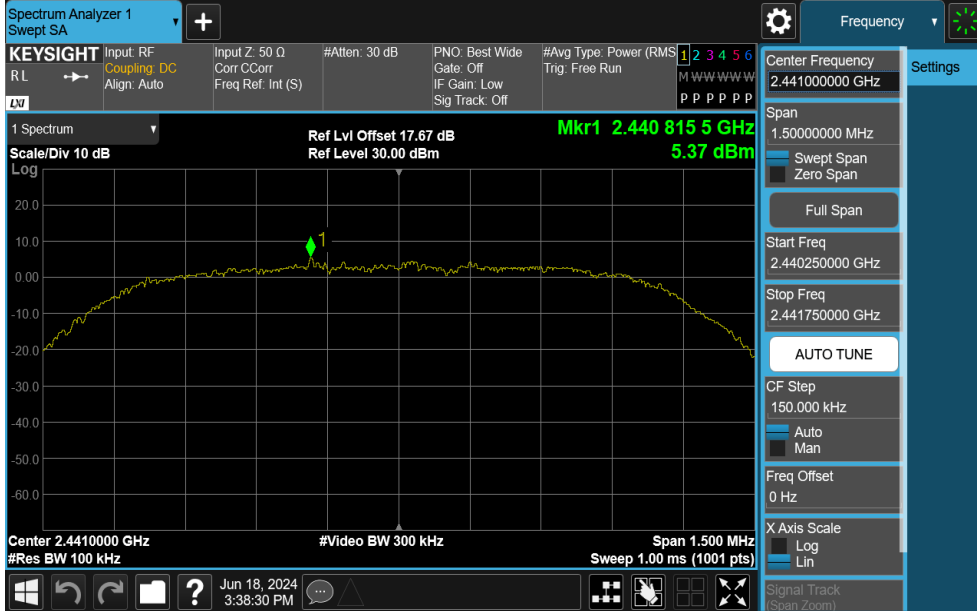
#### DH5-Ant1-2480-PASS



### 2DH5-Ant1-2402-PASS



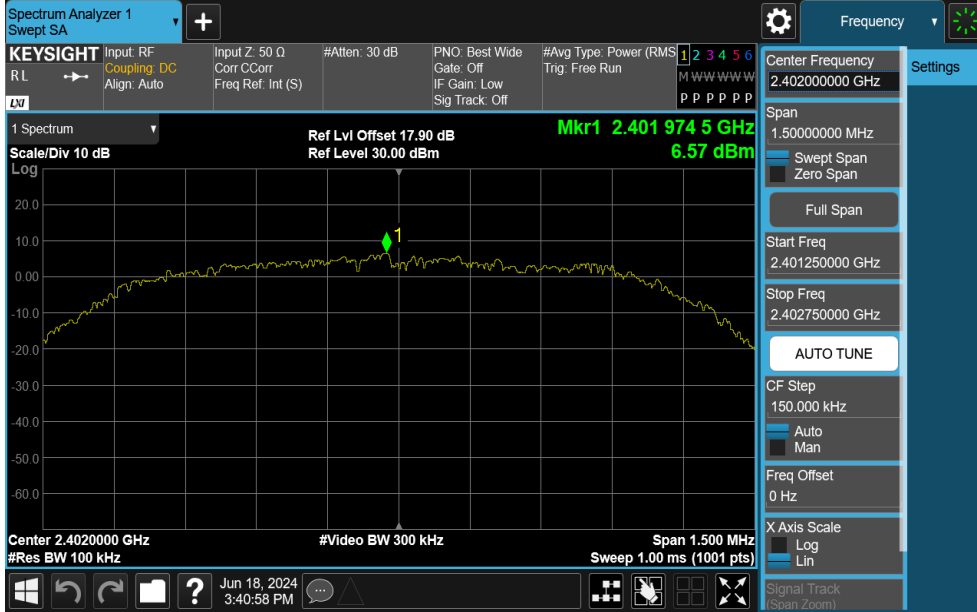
### 2DH5-Ant1-2441-PASS



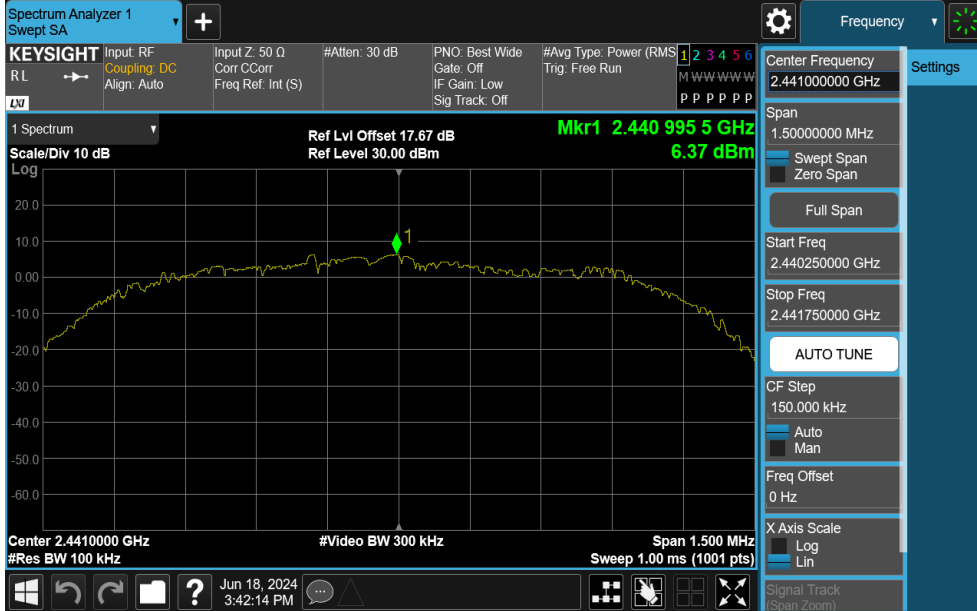
### 2DH5-Ant1-2480-PASS



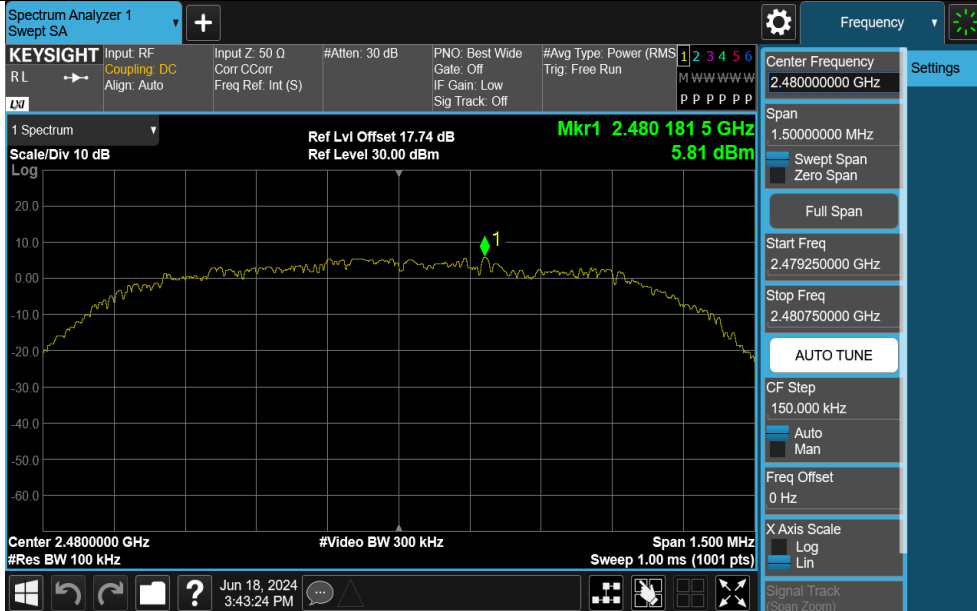
### 3DH5-Ant1-2402-PASS



### 3DH5-Ant1-2441-PASS



### 3DH5-Ant1-2480-PASS

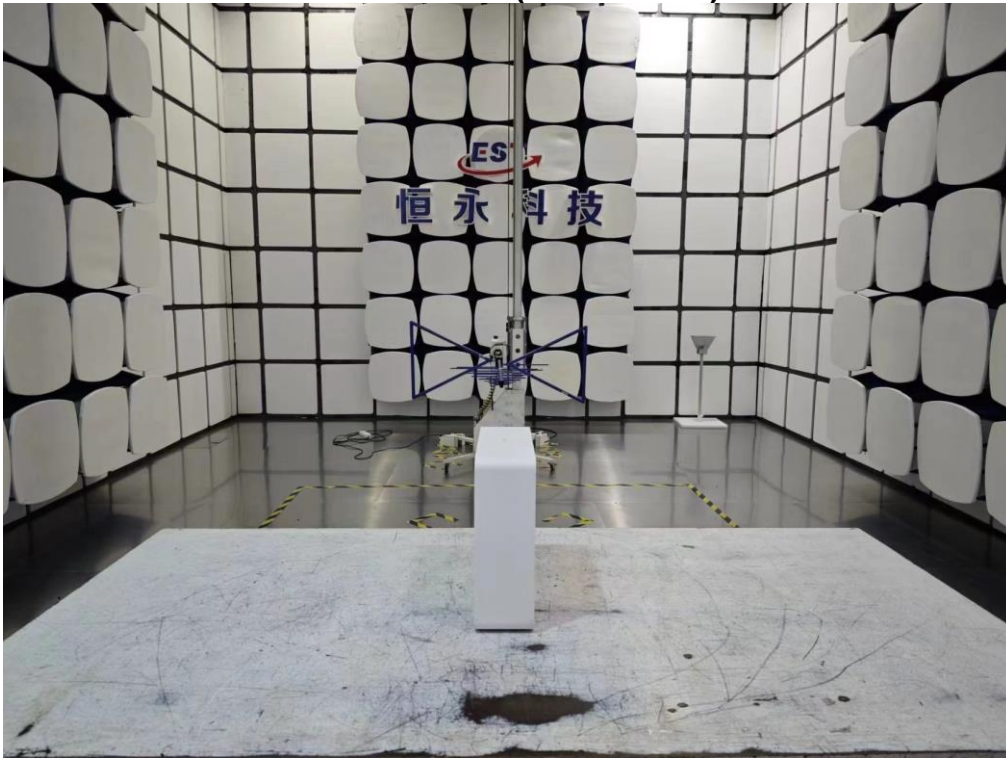


# 14. TEST SETUP PHOTO

Conducted Test



**Radiated Test (Below 1GHz)**



**Radiated Test (Above 1GHz)**

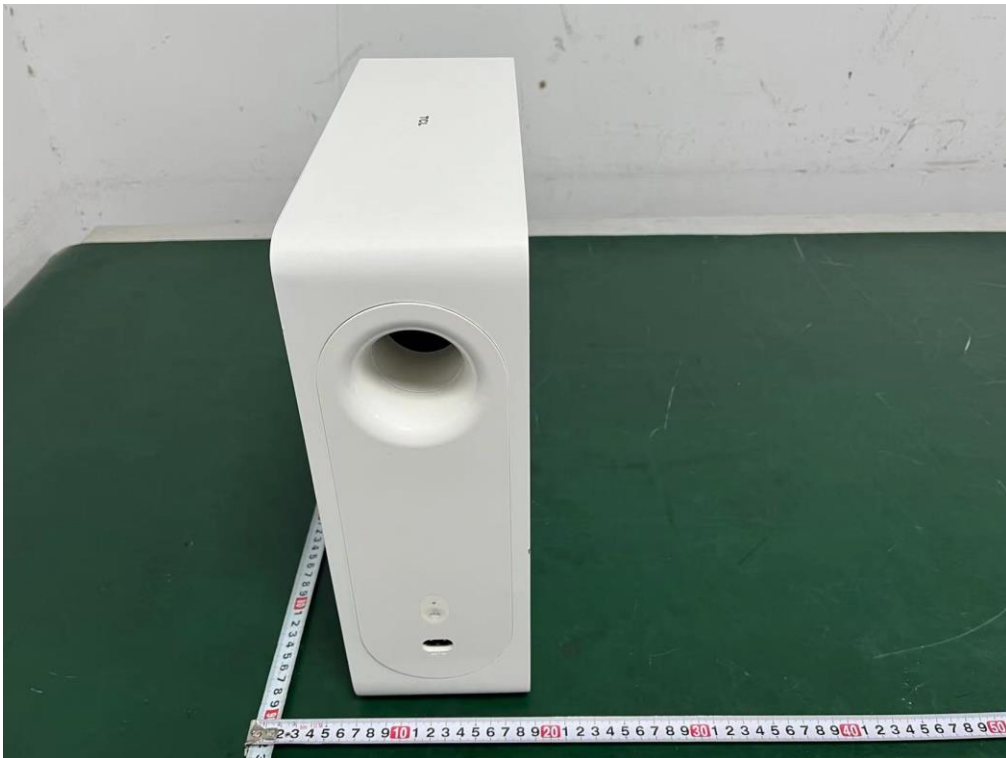


# 15. EUT PHOTO

**External Photos**  
M/N: Q60H-SW

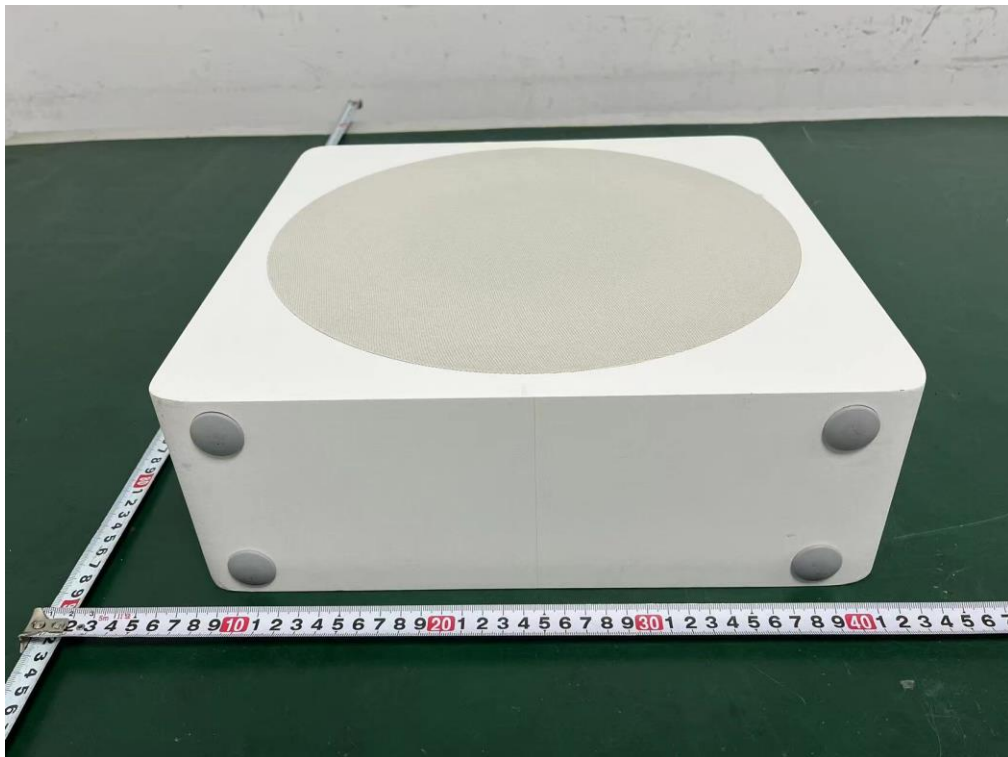
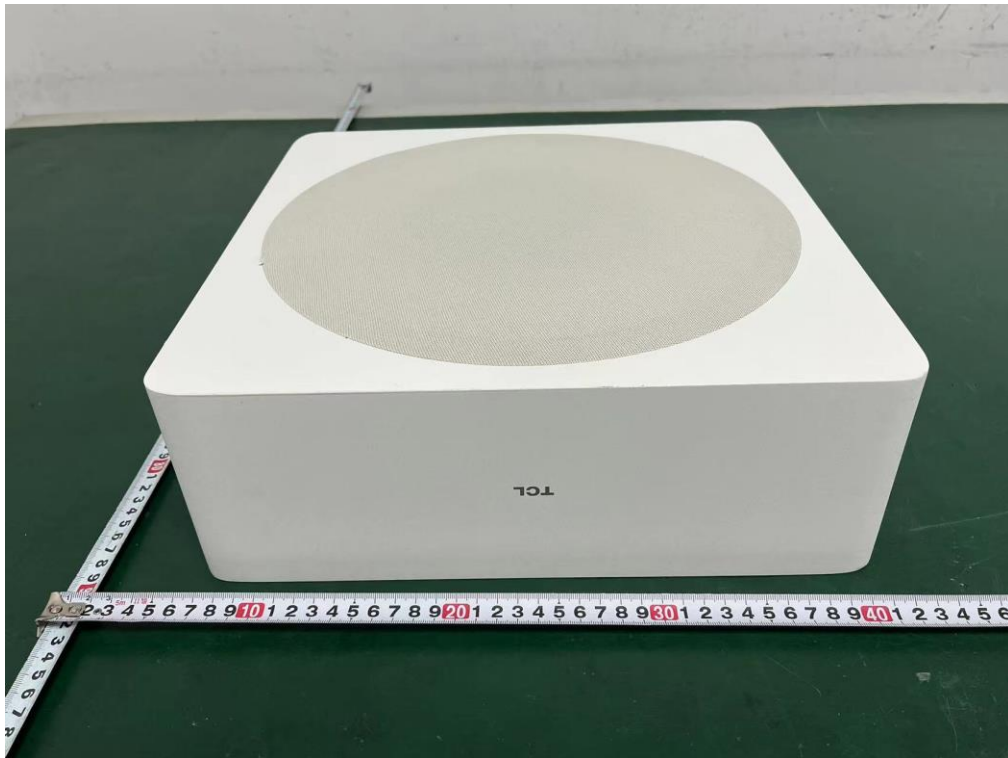


**External Photos**  
M/N: Q60H-SW





**External Photos**  
M/N: Q60H-SW

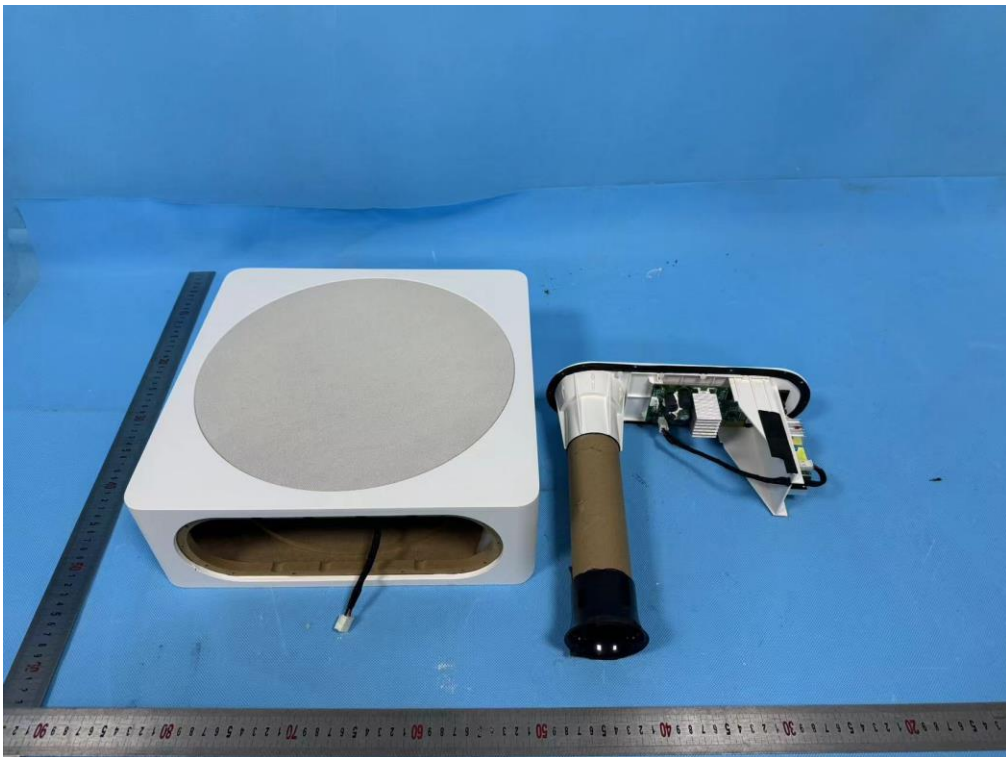


**External Photos**

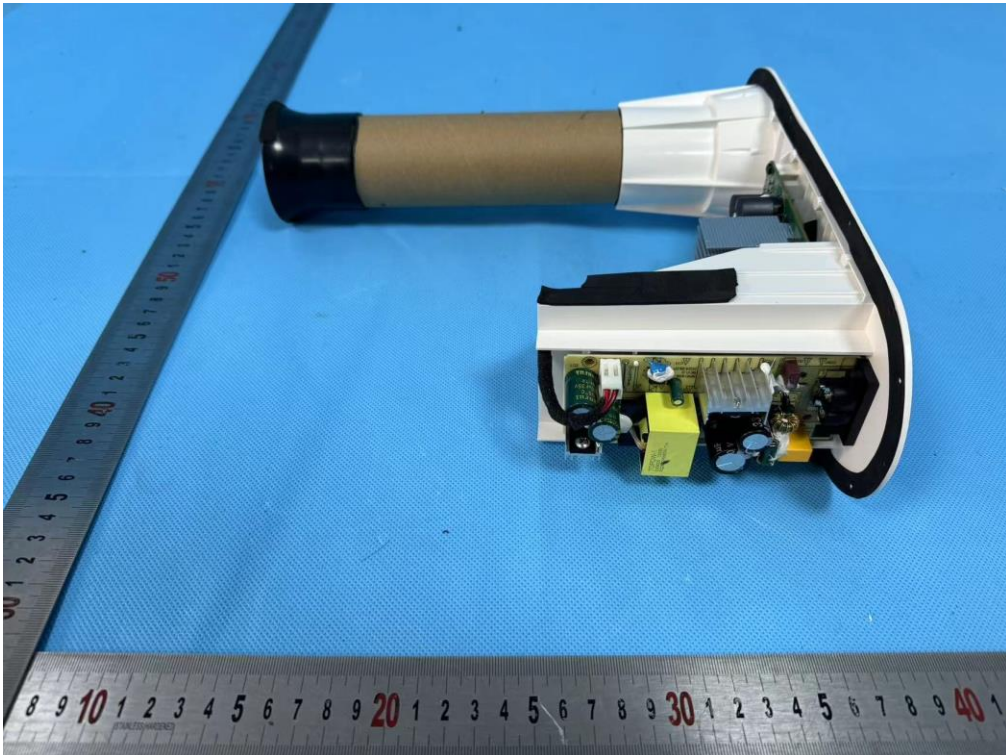
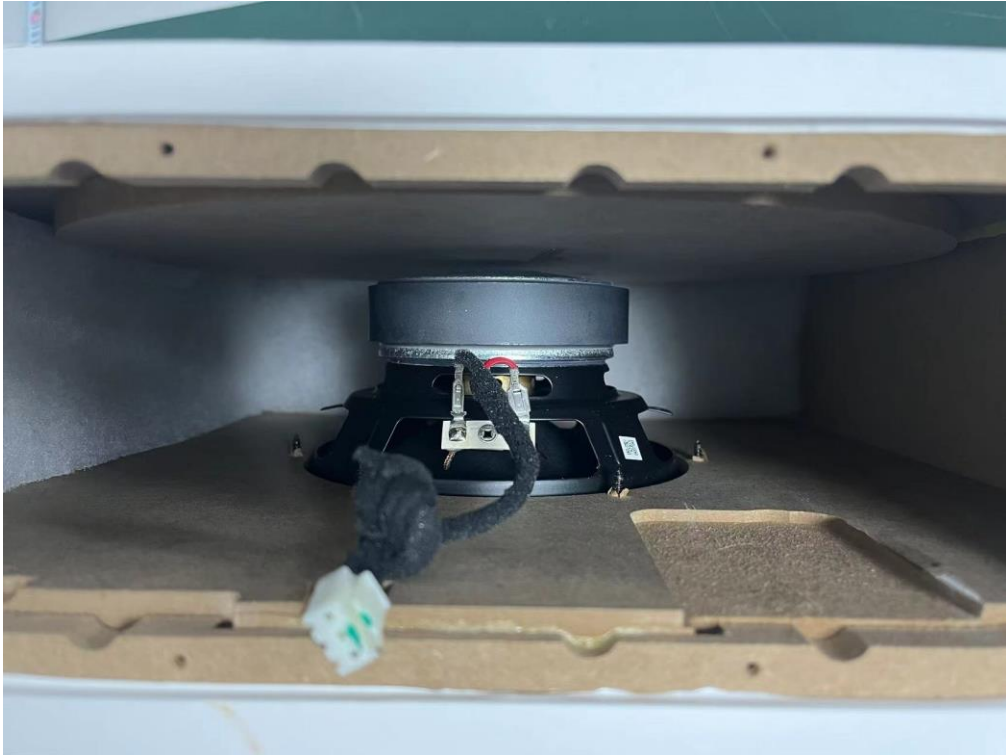
M/N: Q60H-SW



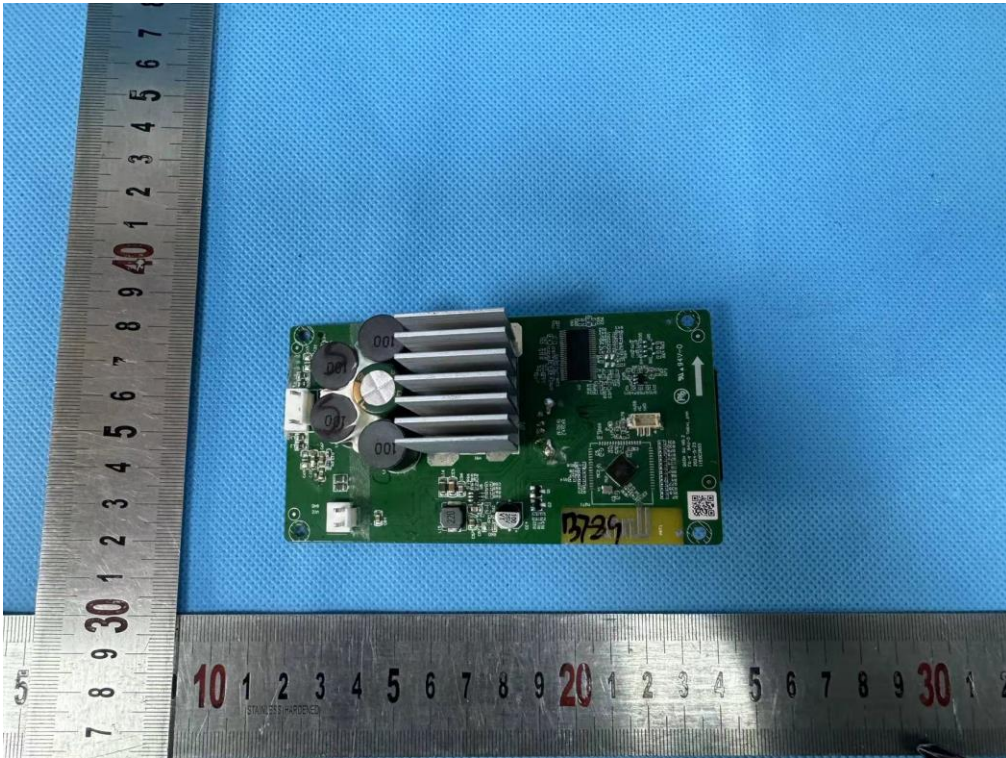
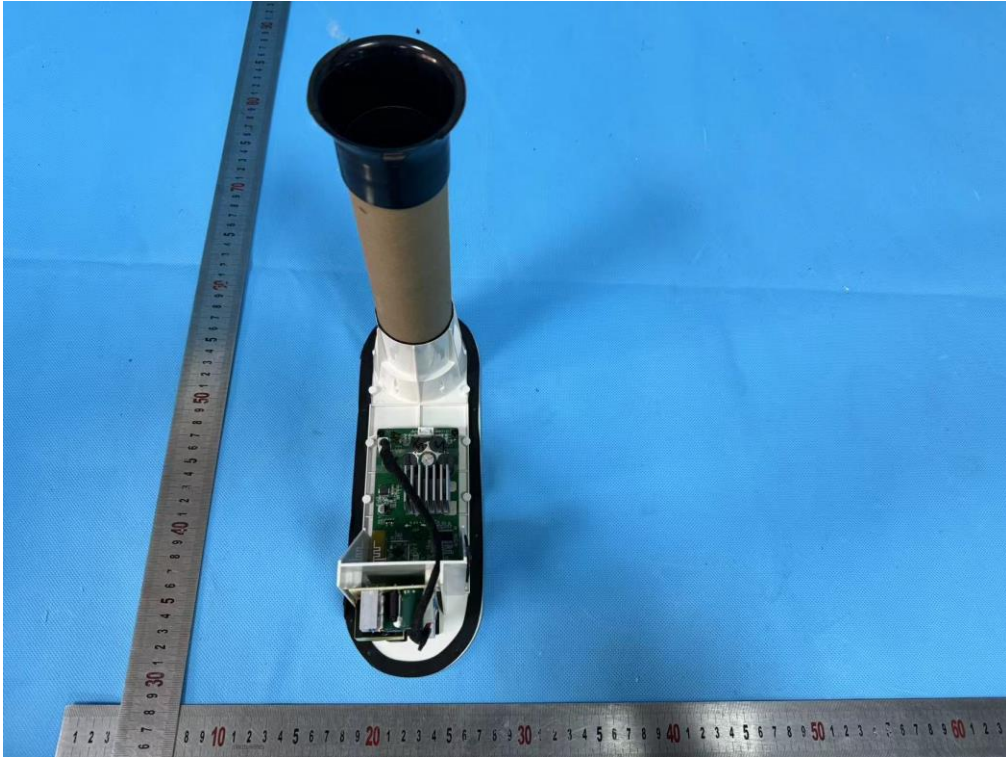
**Internal Photos**  
M/N: Q60H-SW



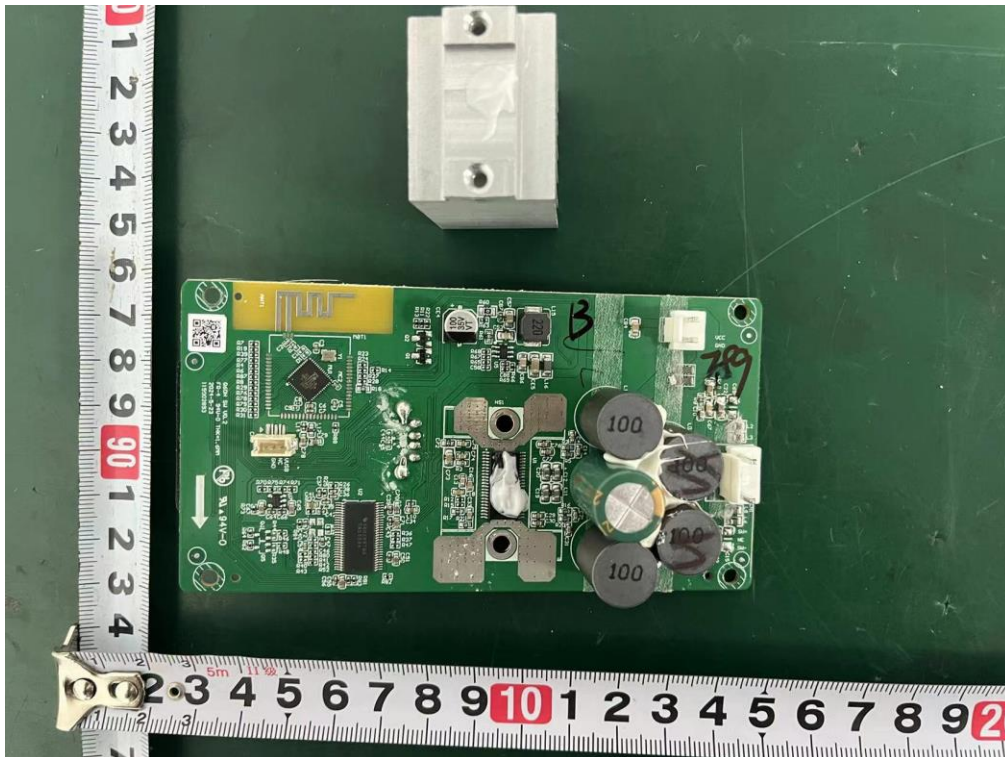
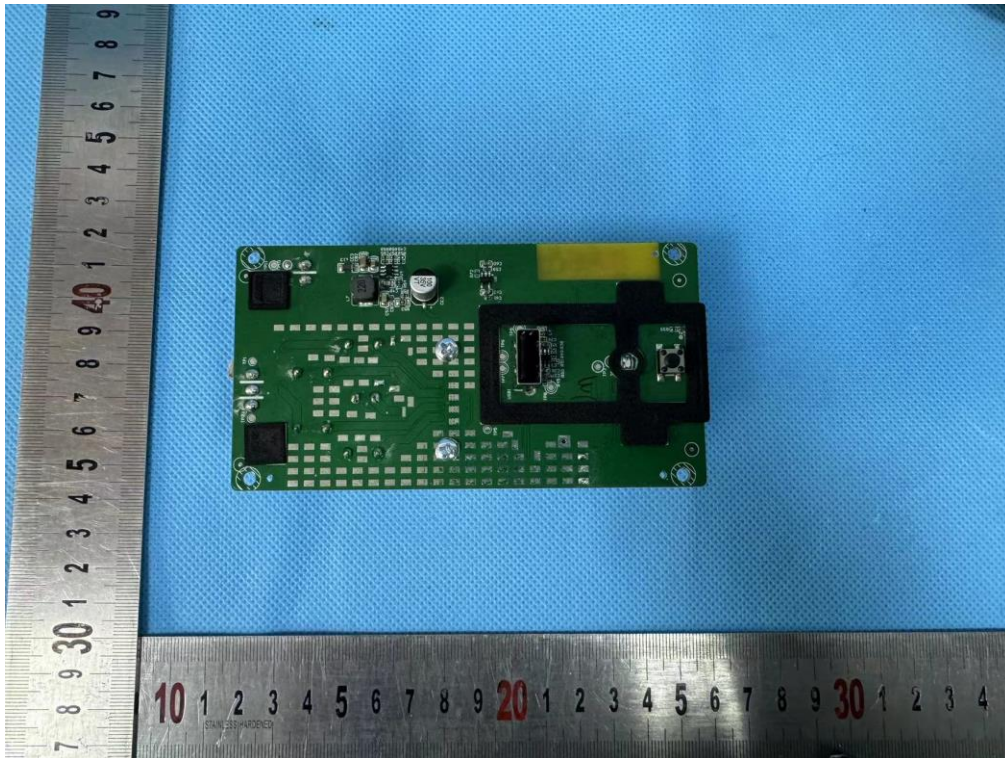
**Internal Photos**  
M/N: Q60H-SW



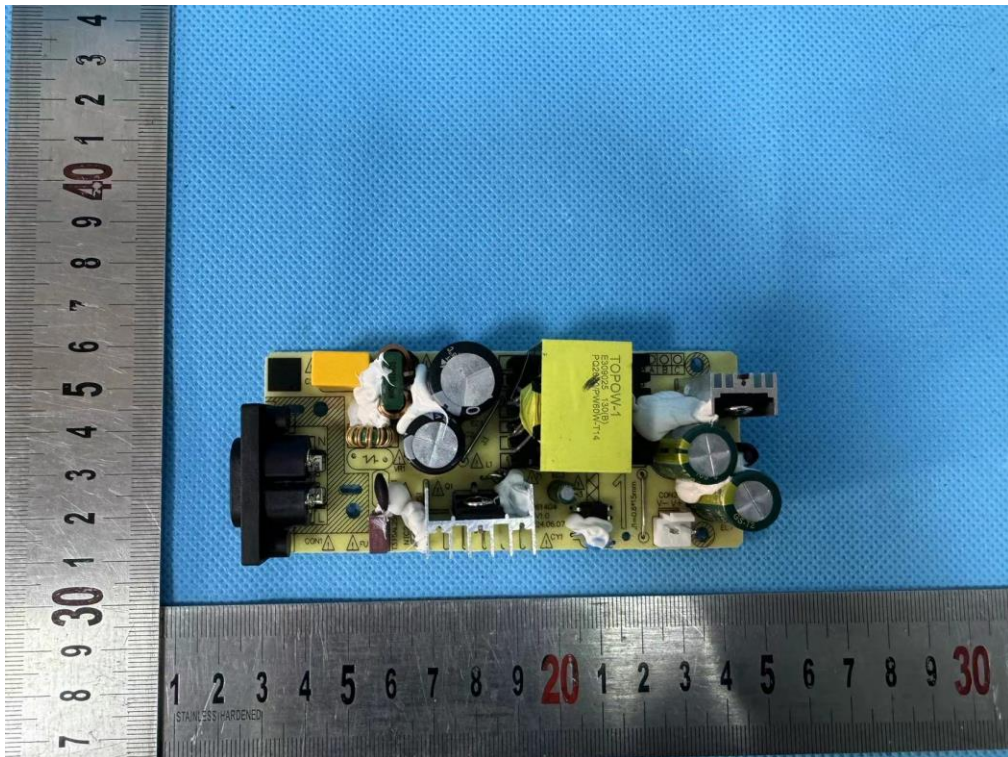
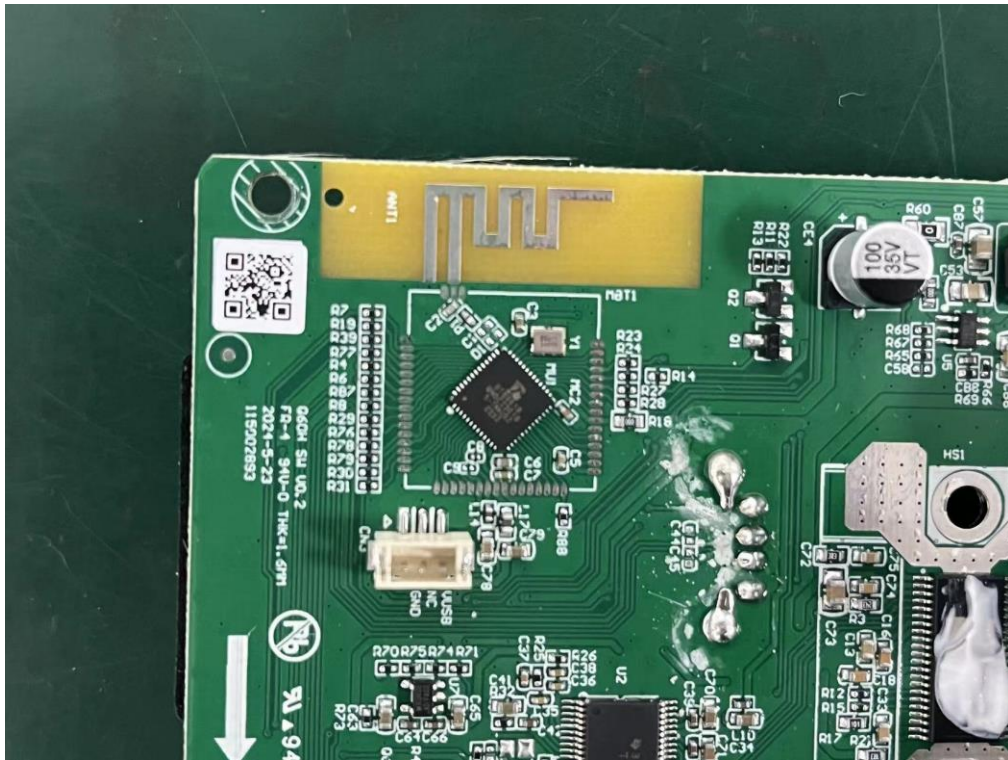
**Internal Photos**  
M/N: Q60H-SW



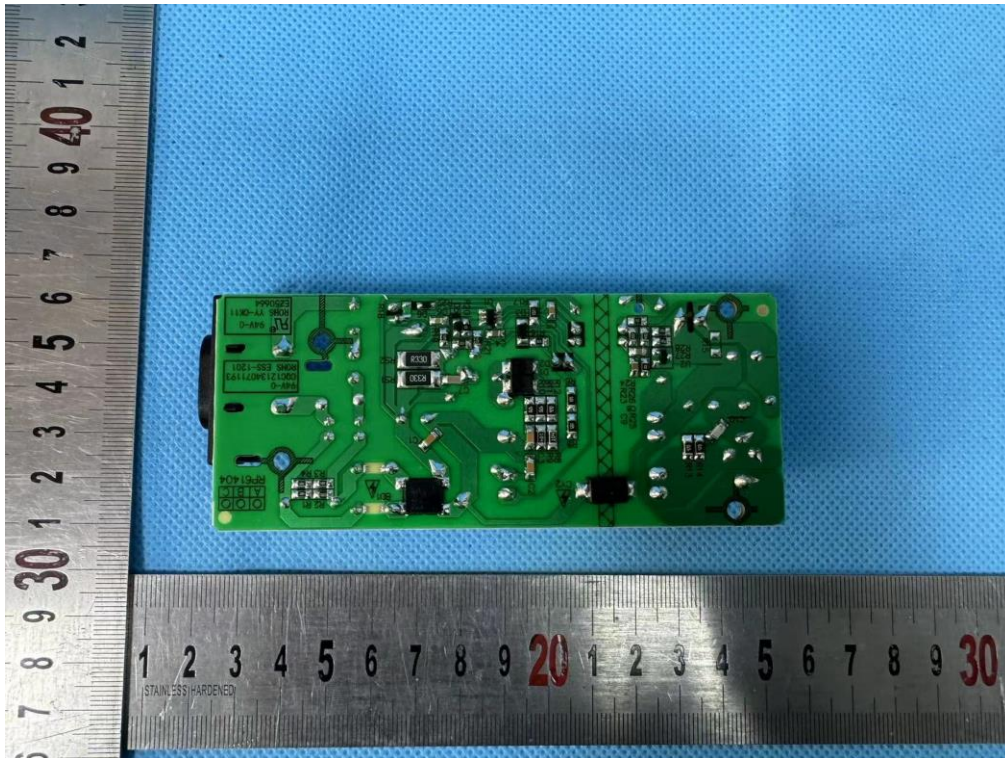
**Internal Photos**  
M/N: Q60H-SW



### Internal Photos M/N: Q60H-SW



**Internal Photos**  
M/N: Q60H-SW



**End of Test Report**