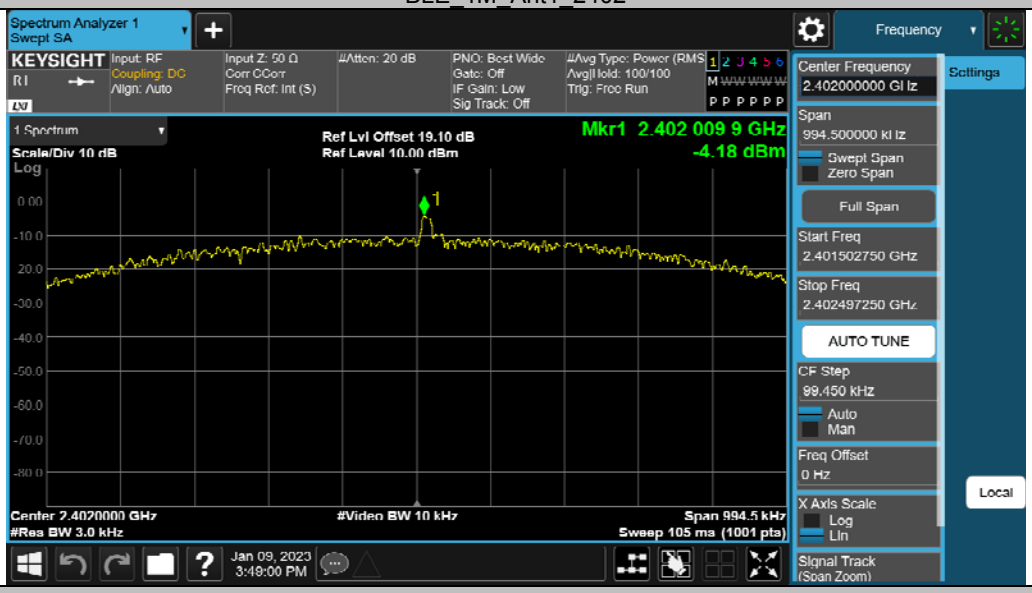
Appendix D: Maximum power spectral density

Test Result

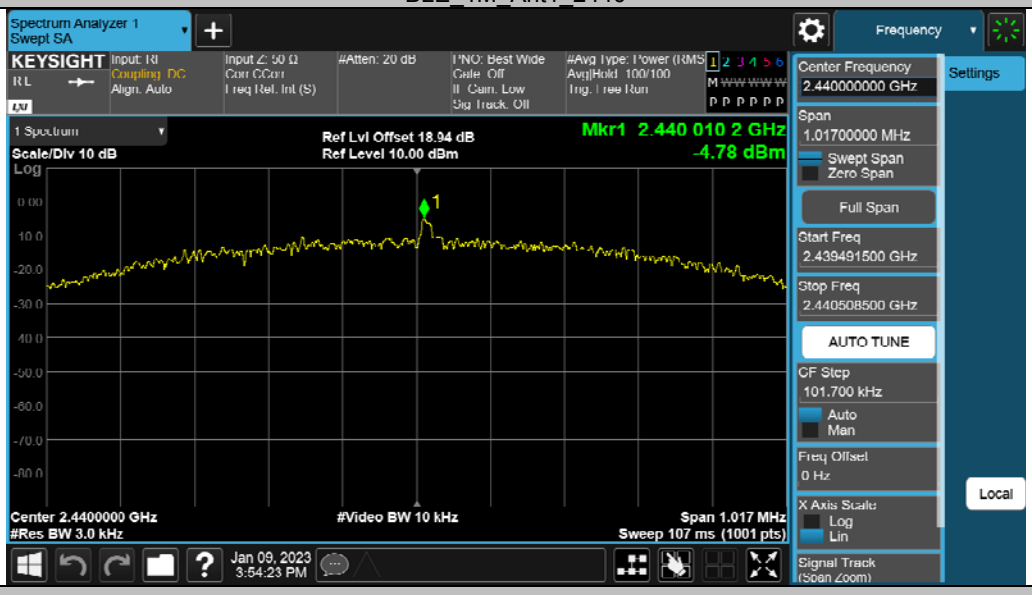
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.18	≤8.00	PASS
		2440	-4.78	≤8.00	PASS
		2480	-4.51	≤8.00	PASS
BLE_2M	Ant1	2402	-4.71	≤8.00	PASS
		2440	-5.57	≤8.00	PASS
		2480	-5.06	≤8.00	PASS

Test Graphs

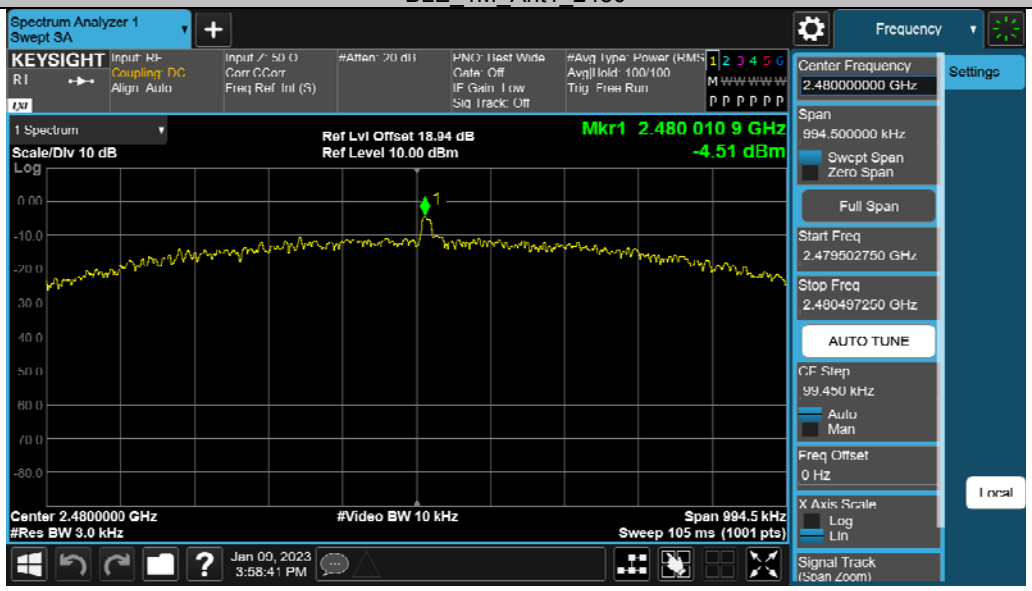
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

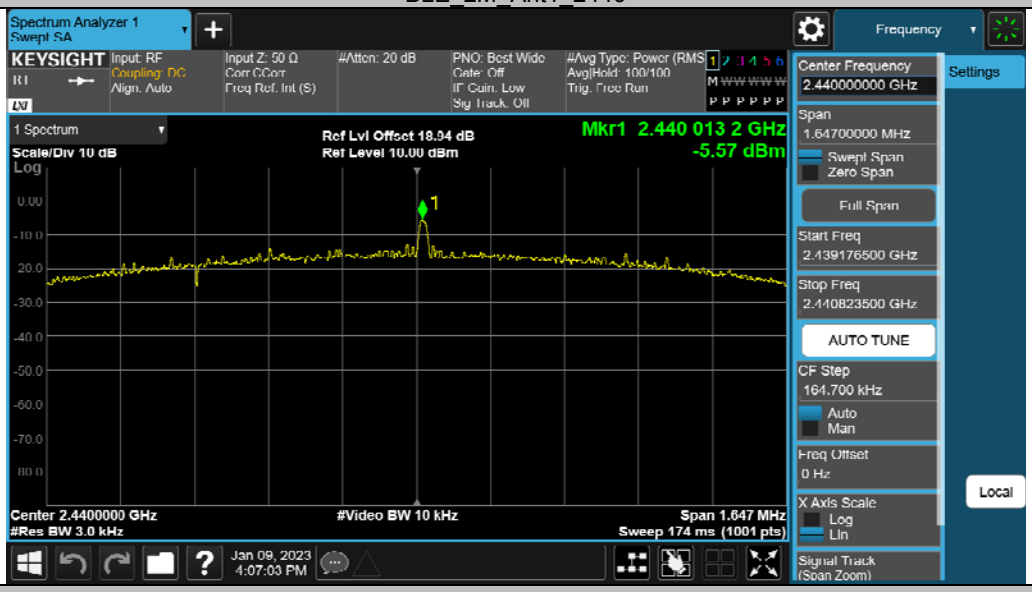


BLE_1M_Ant1_2480

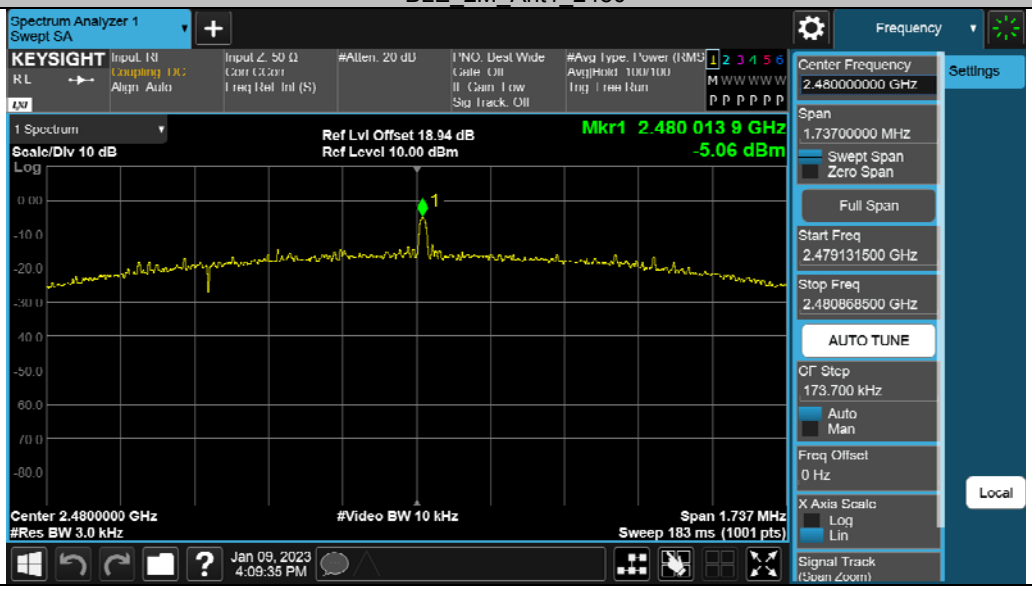


BLE_2M_Ant1_2402

BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



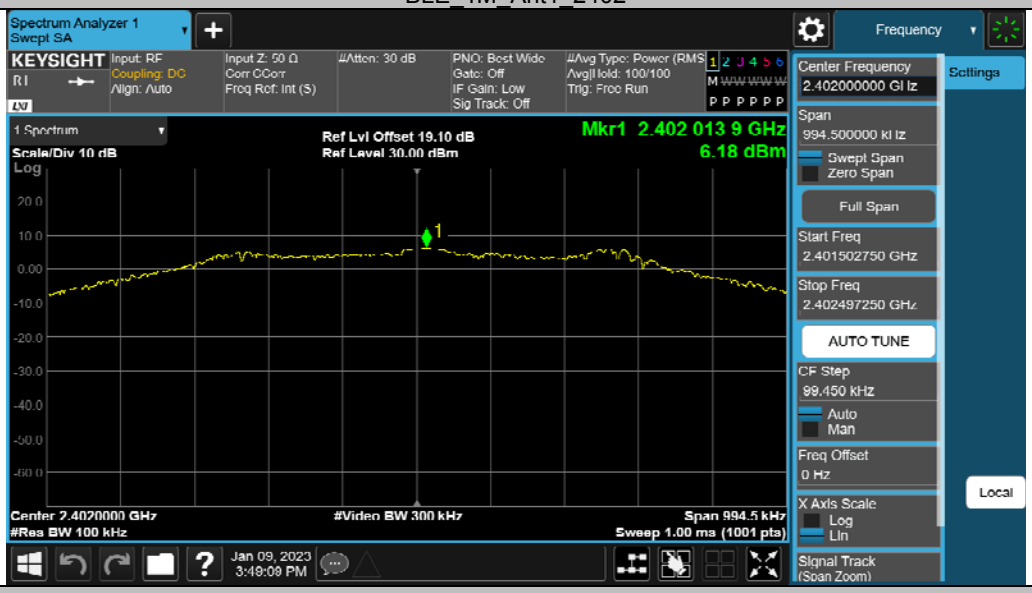
Appendix E: Reference level measurement

Test Result

Test Mode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.01	6.18
		2440	2440.02	5.91
		2480	2480.01	5.76
BLE_2M	Ant1	2402	2402.02	6.03
		2440	2440.02	6.01
		2480	2480.01	5.82

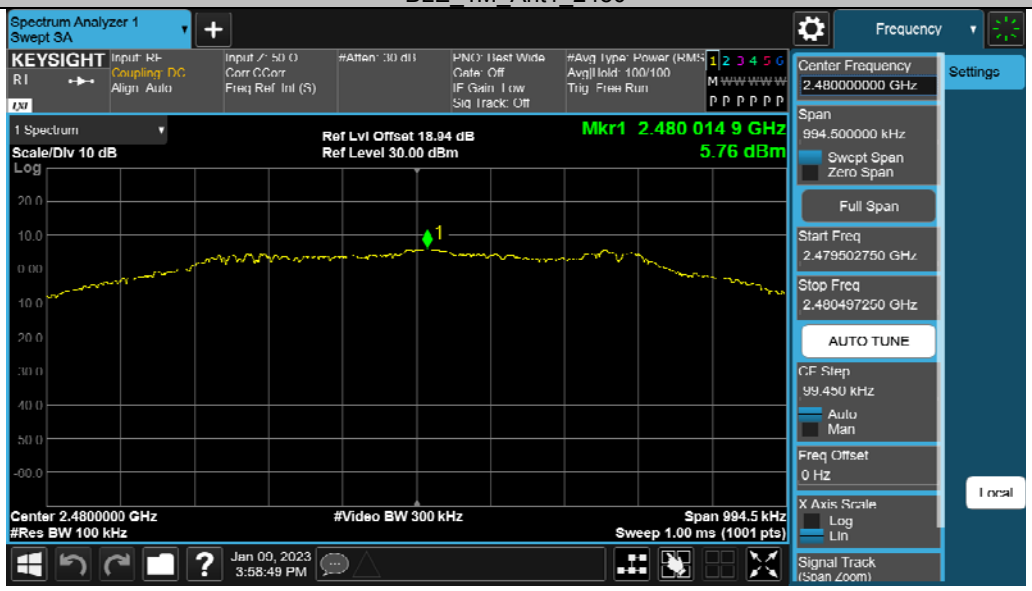
Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

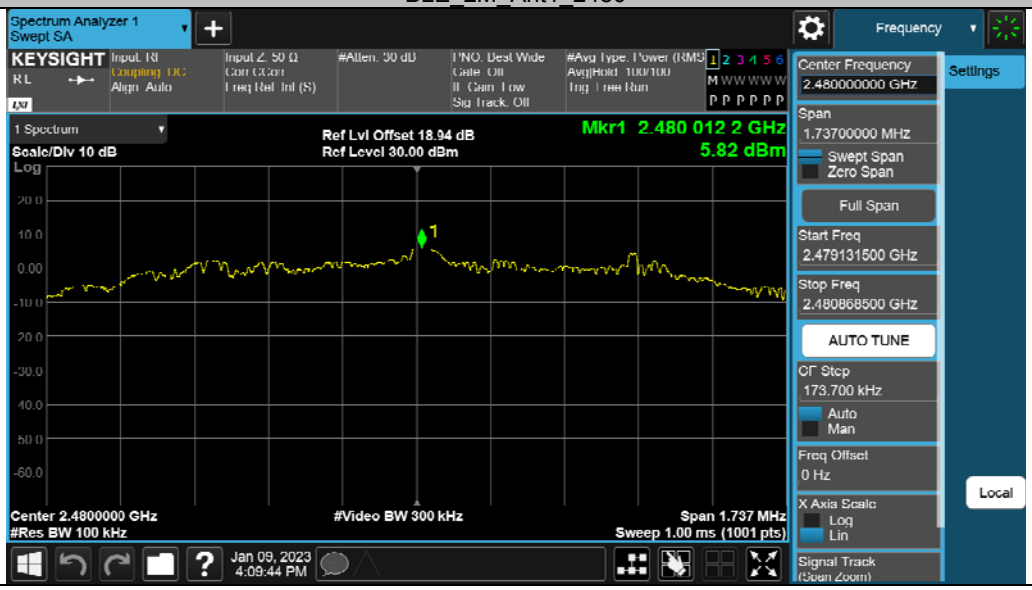
BLE_1M_Ant1_2480



BLE_2M_Ant1_2402

BLE_2M_Ant1_2440

BLE_2M_Ant1_2480



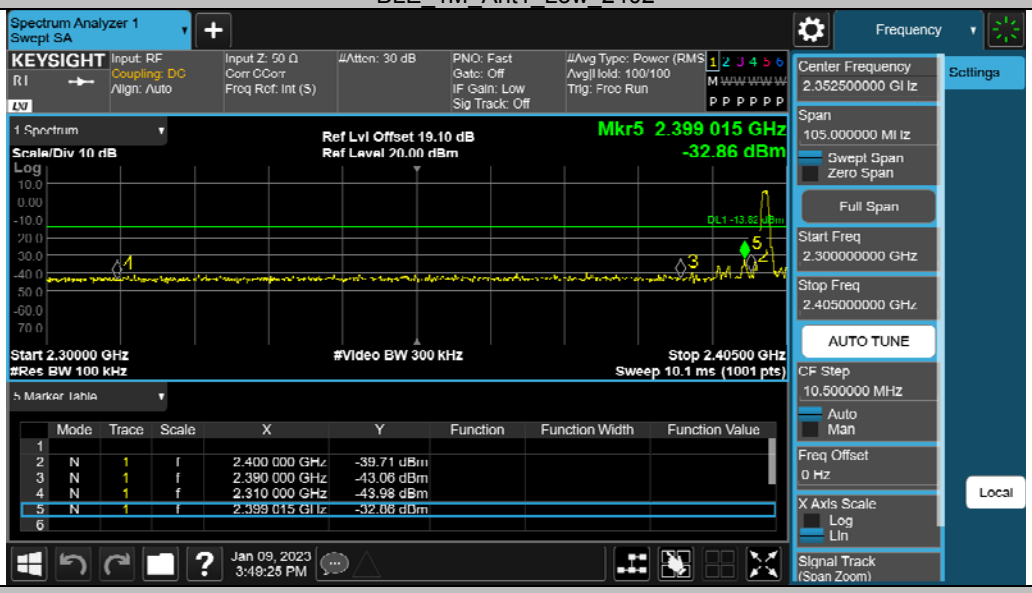
Appendix F: Band edge measurements

Test Result

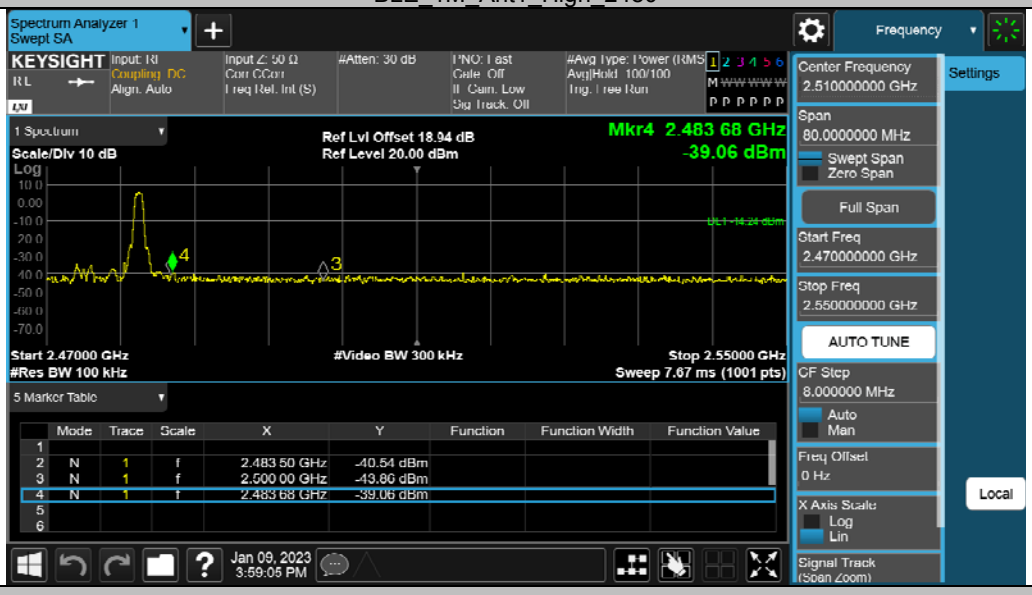
Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.18	-32.86	≤-13.82	PASS
		High	2480	5.76	-39.06	≤-14.24	PASS
BLE_2M	Ant1	Low	2402	6.03	-26.04	≤-13.97	PASS
		High	2480	5.82	-38.09	≤-14.18	PASS

Test Graphs

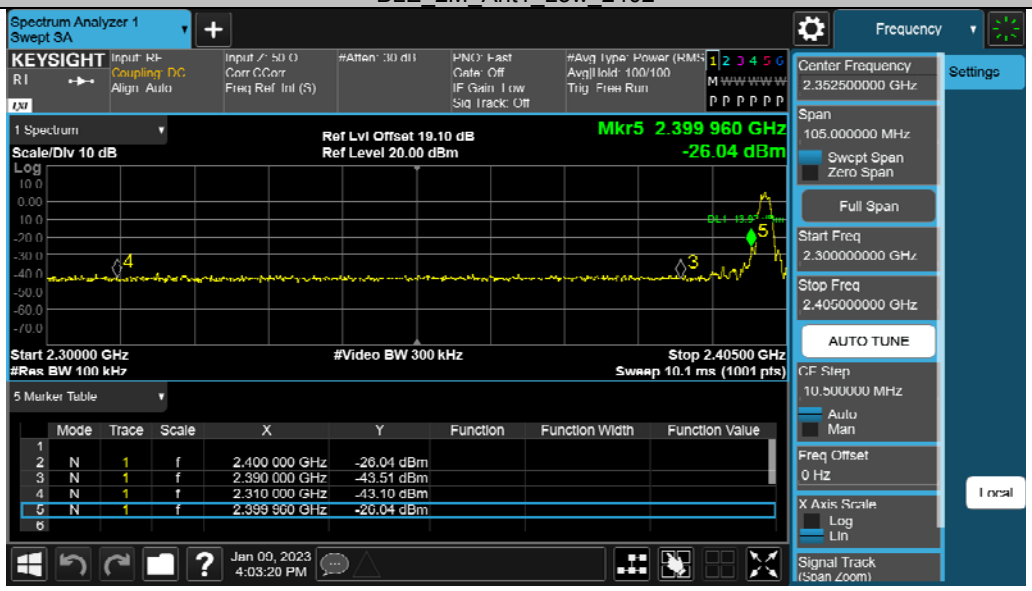
BLE_1M_Ant1_Low_2402



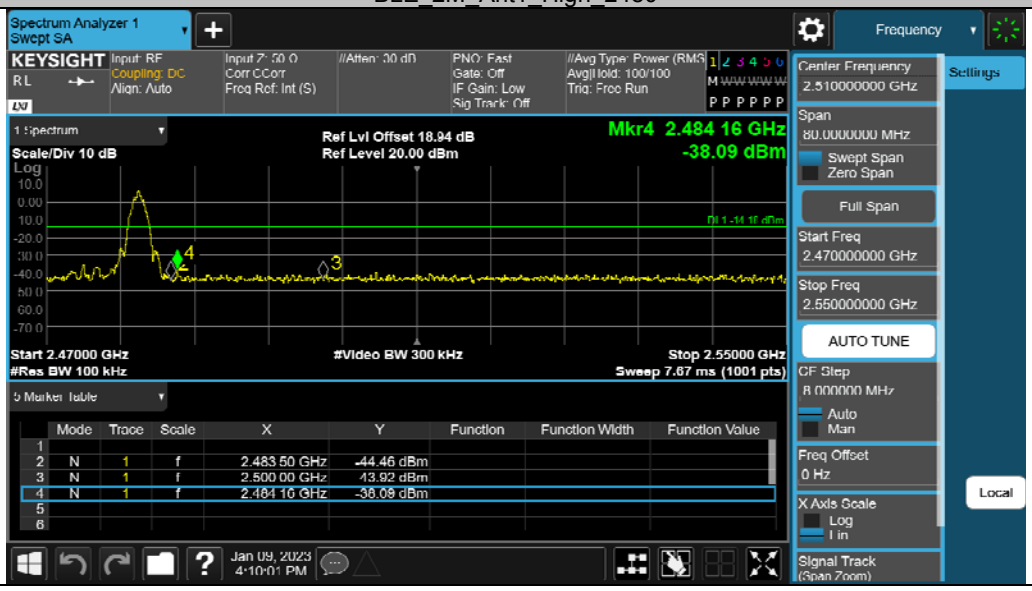
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



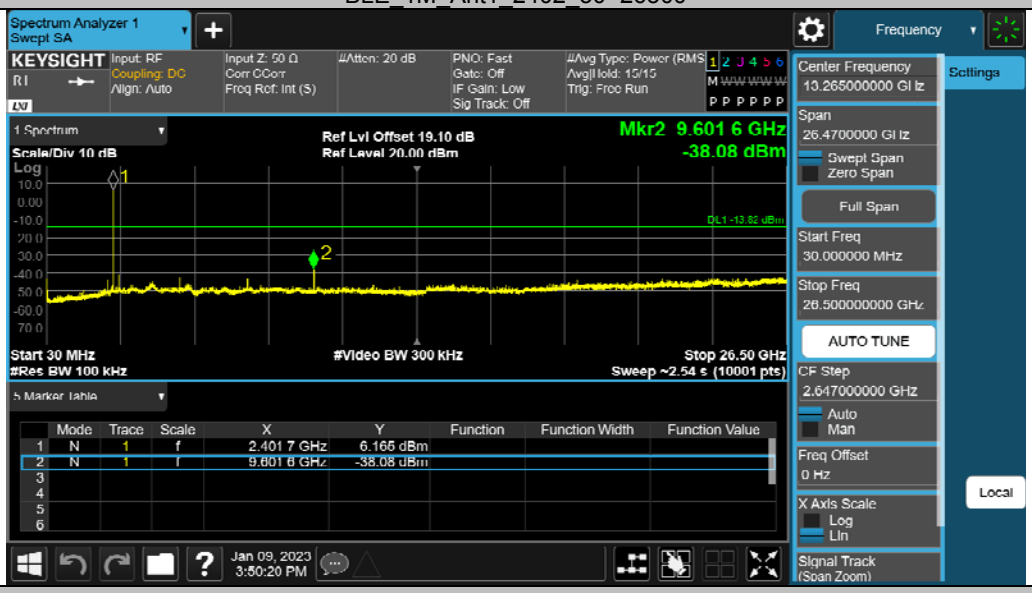
Appendix G: Conducted Spurious Emission

Test Result

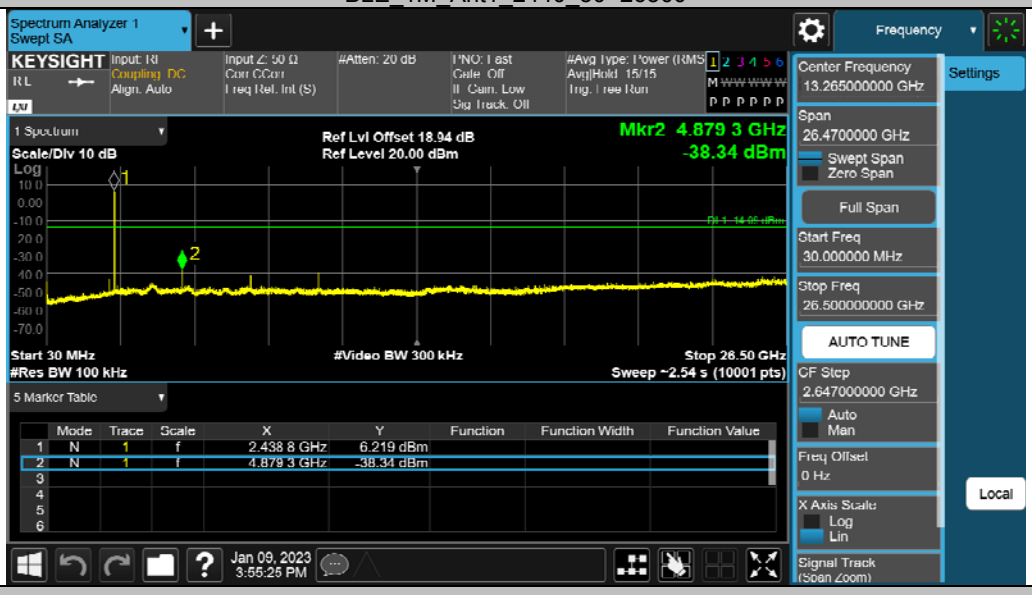
Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	6.18	-38.08	≤-13.82	PASS
		2440	30~26500	5.91	-38.34	≤-14.09	PASS
		2480	30~26500	5.76	-40.13	≤-14.24	PASS
BLE_2M	Ant1	2402	30~26500	6.03	-38.66	≤-13.97	PASS
		2440	30~26500	6.01	-39.11	≤-13.99	PASS
		2480	30~26500	5.82	-40.4	≤-14.18	PASS

Test Graphs

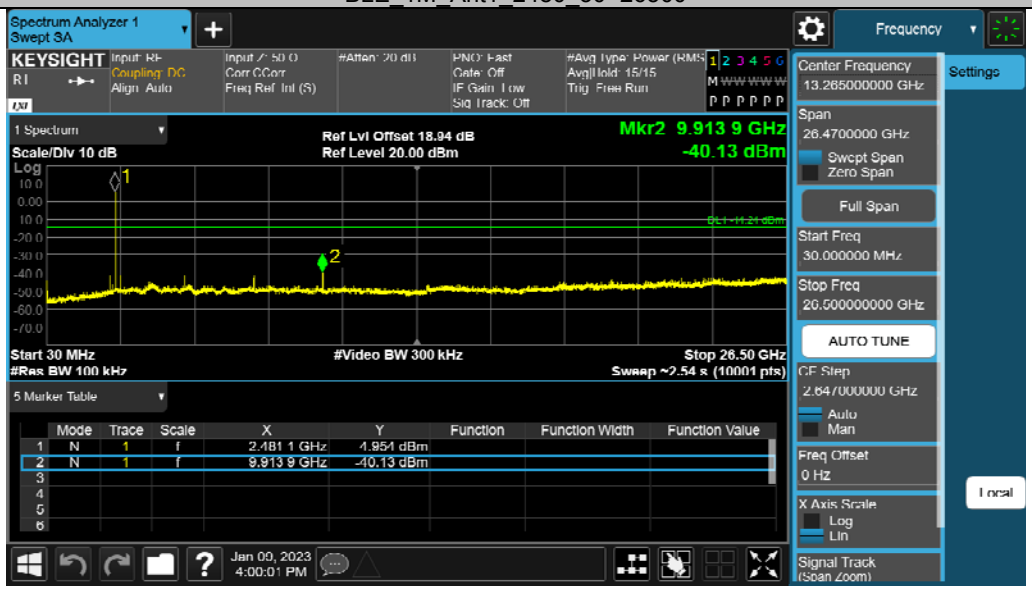
BLE_1M_Ant1_2402_30~26500



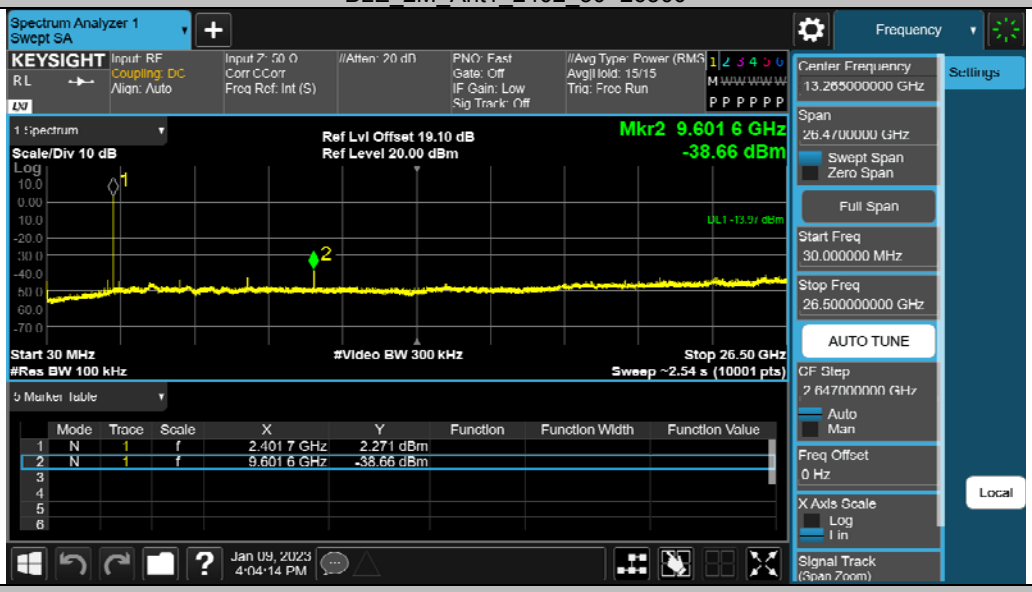
BLE_1M_Ant1_2440_30~26500



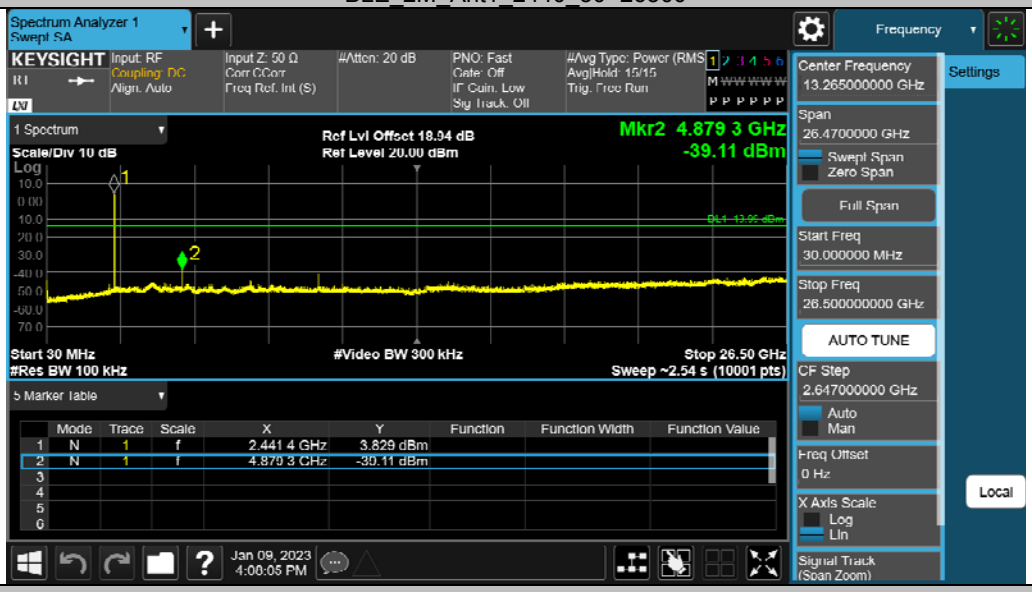
BLE_1M_Ant1_2480_30~26500



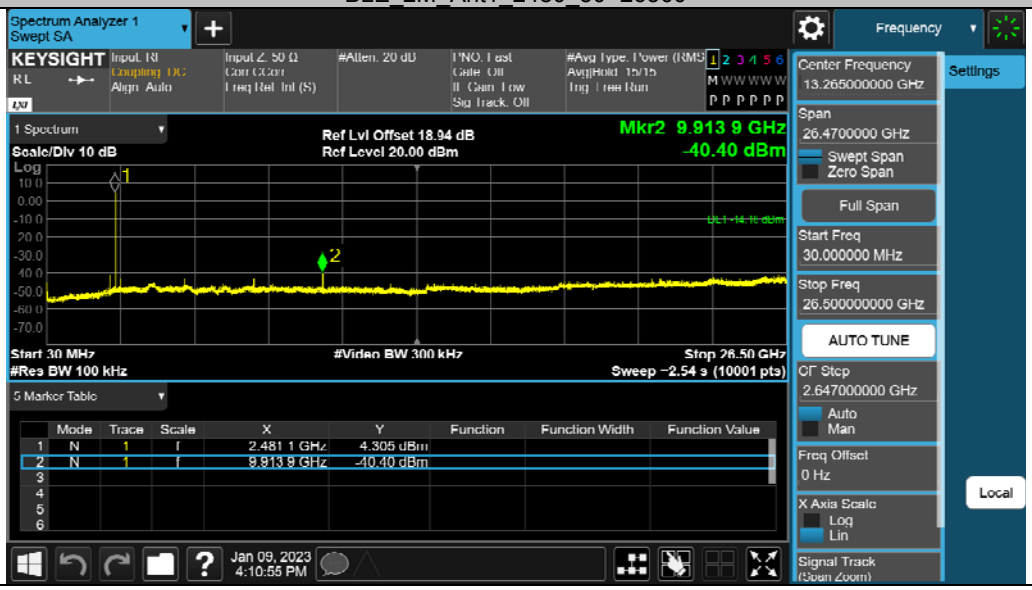
BLE_2M_Ant1_2402_30~26500



BLE_2M_Ant1_2440_30~26500

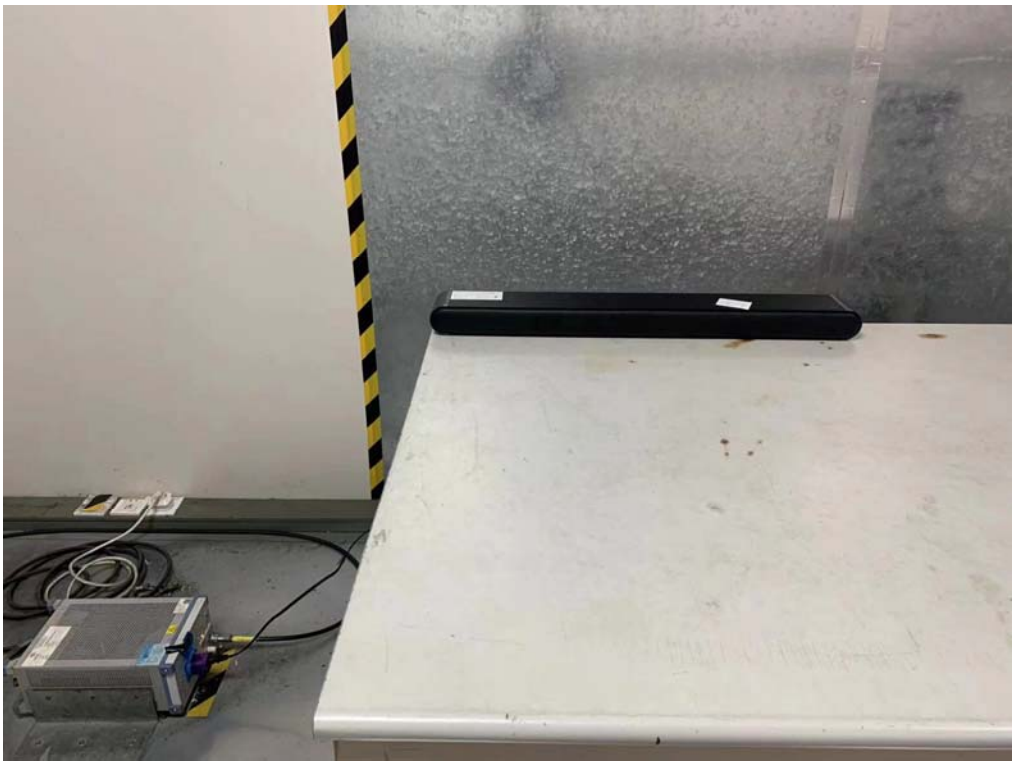


BLE_2M_Ant1_2480_30~26500

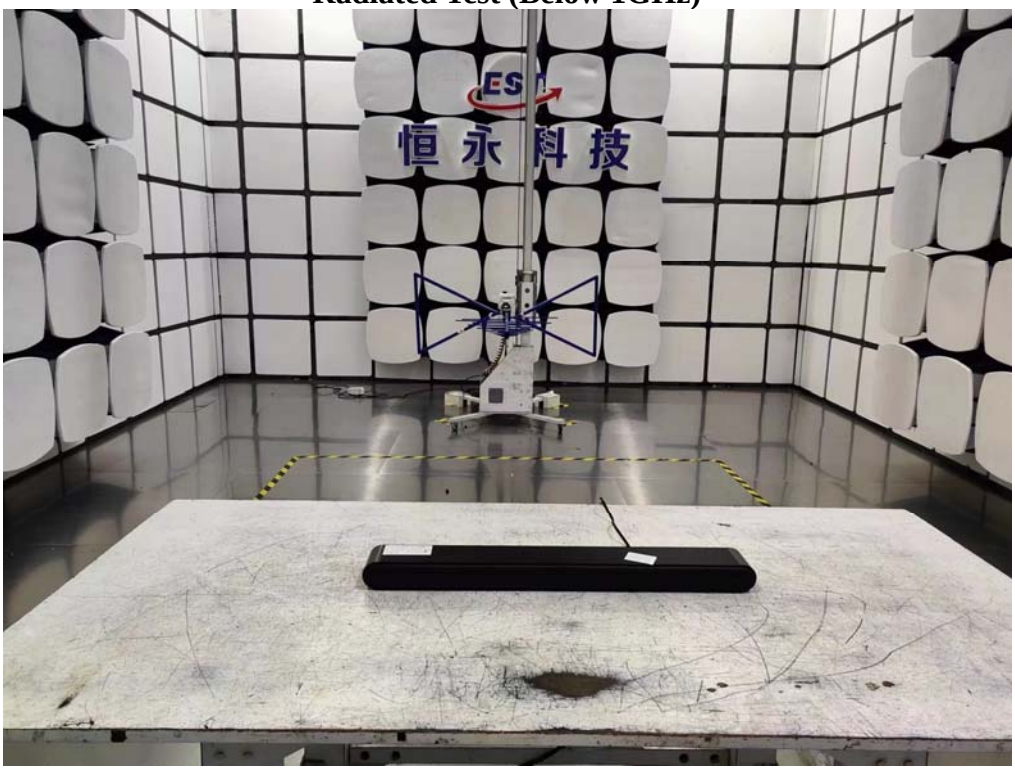


12. TEST SETUP PHOTO

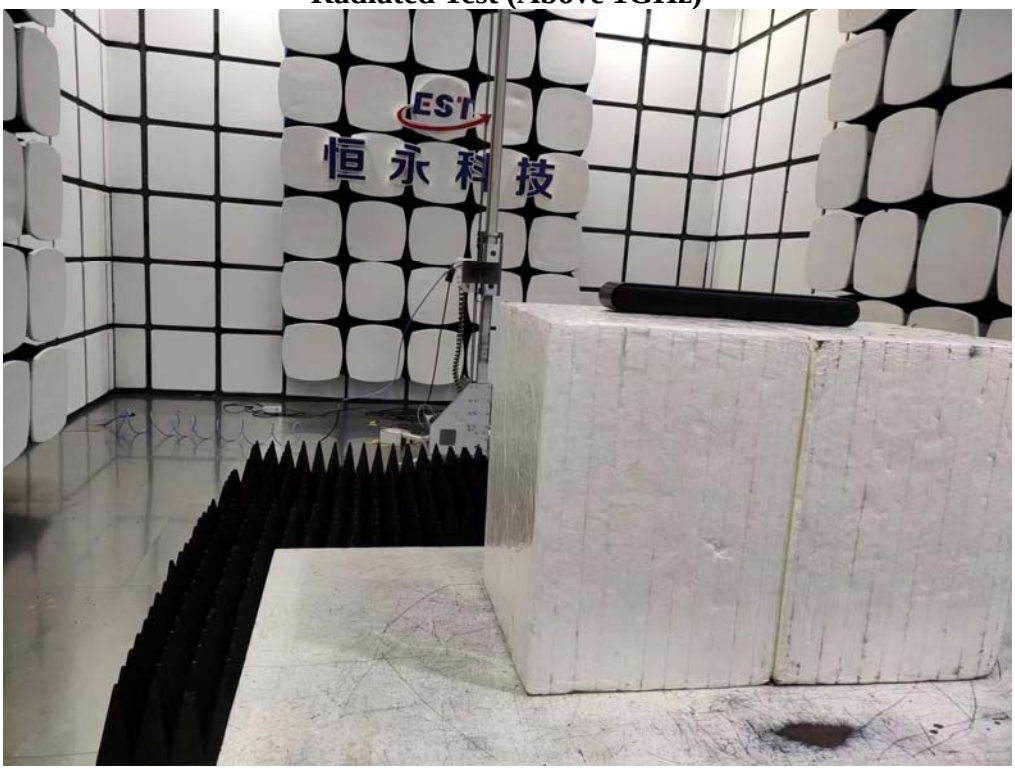
Conducted Test



Radiated Test (Below 1GHz)



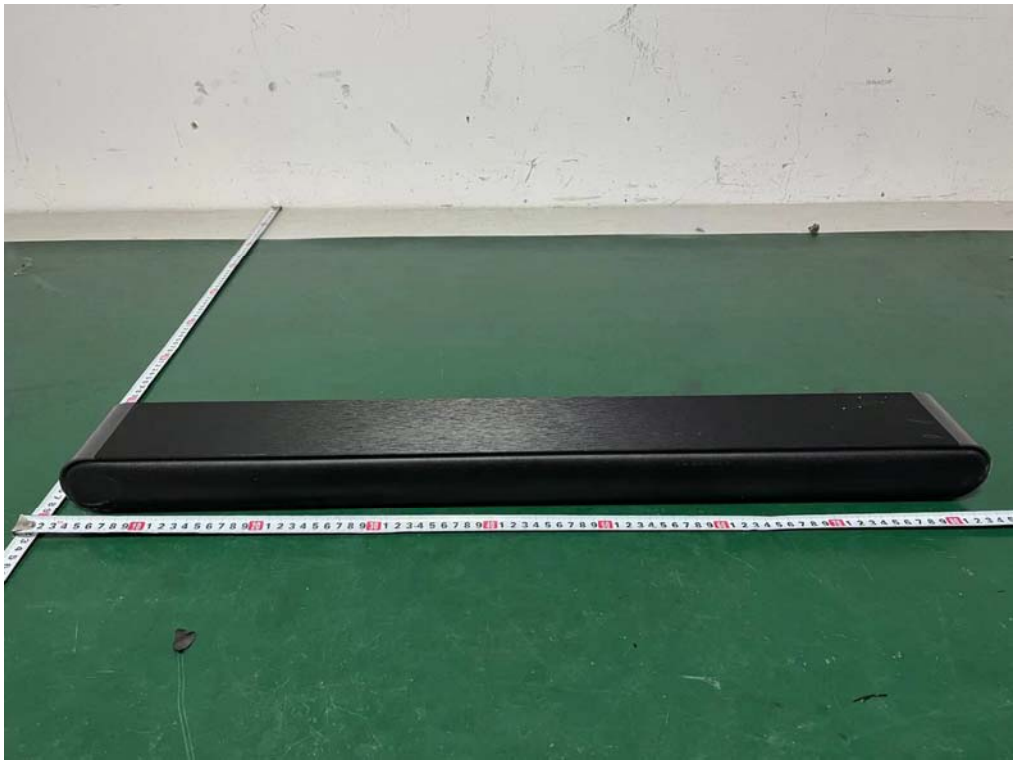
Radiated Test (Above 1GHz)

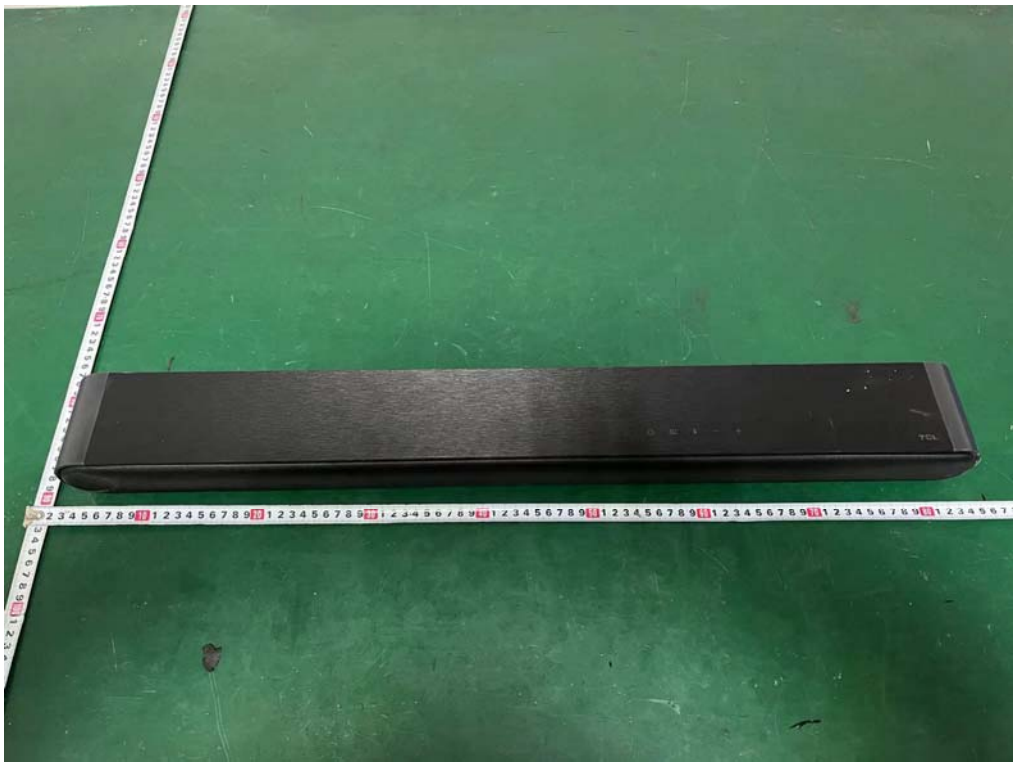


13.EUT PHOTO

External Photos

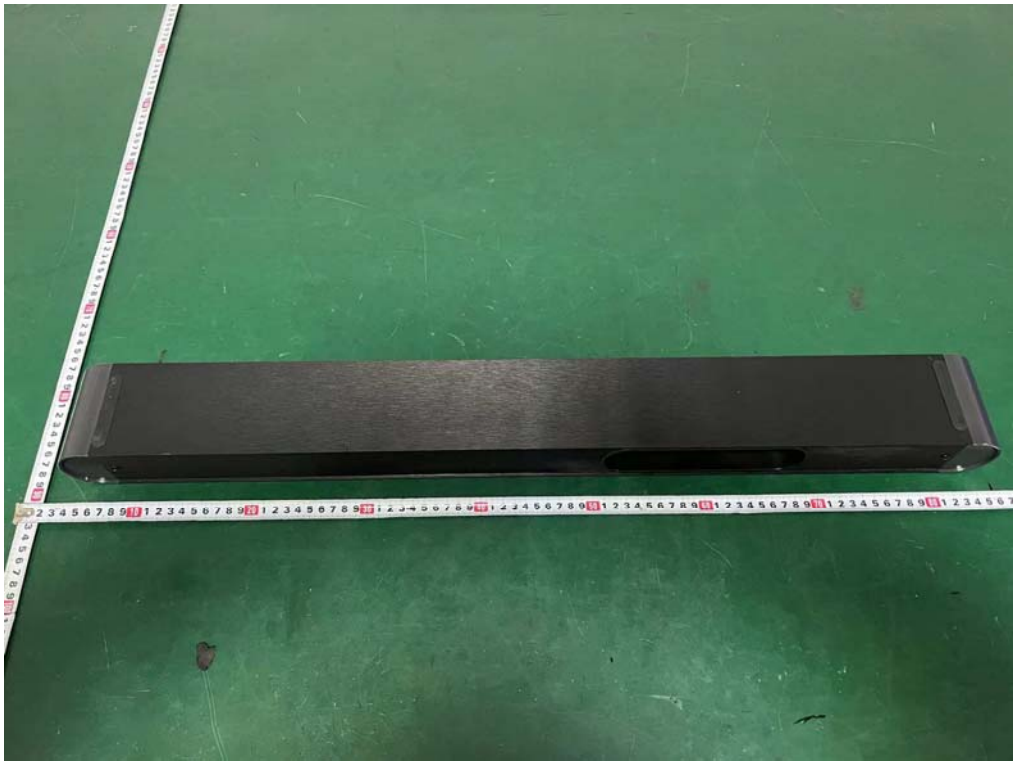
M/N: S645W





External Photos

M/N: S645W



External Photos

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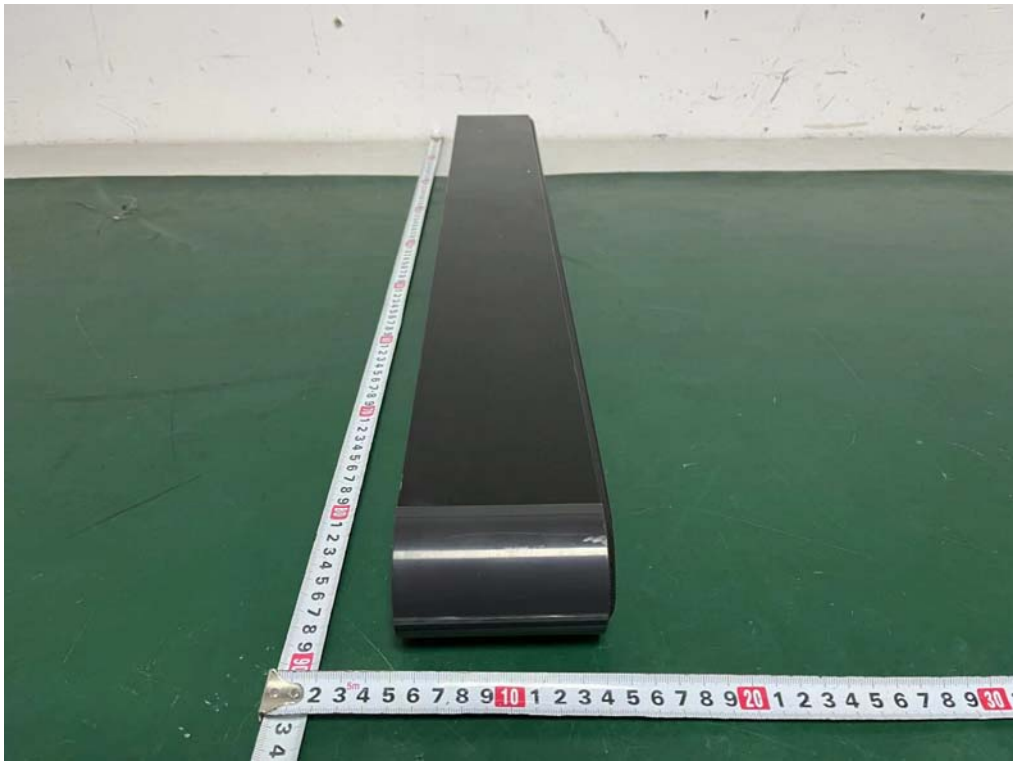
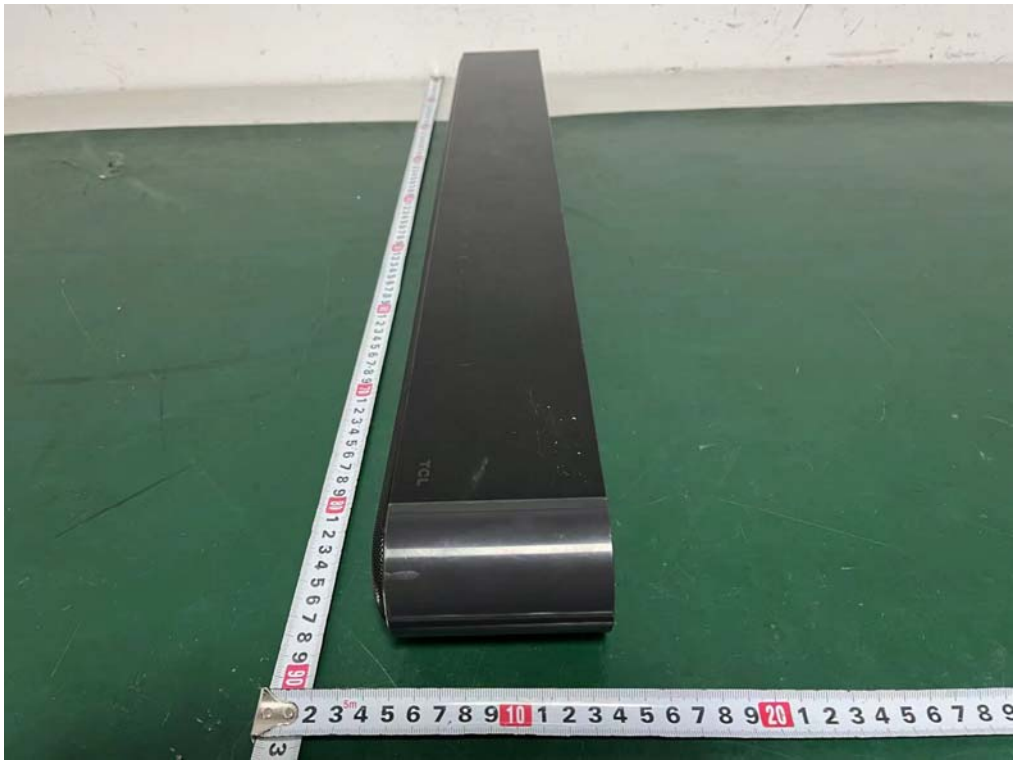




External Photos

M/N: S645W

External Photos

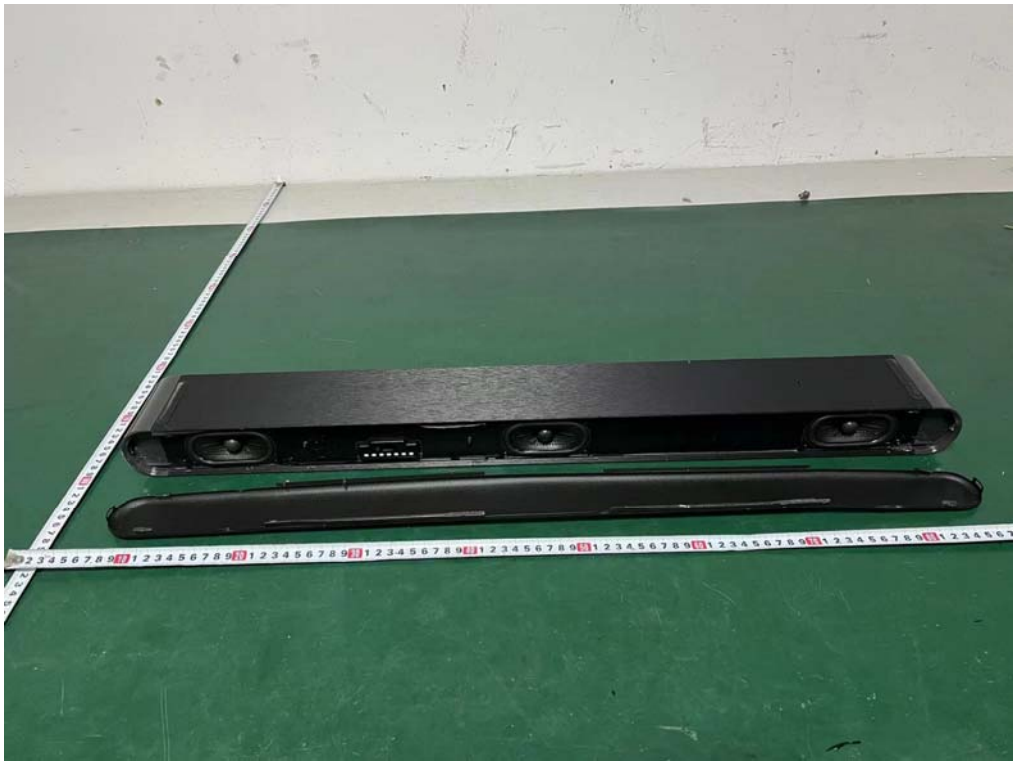
M/N: S645W

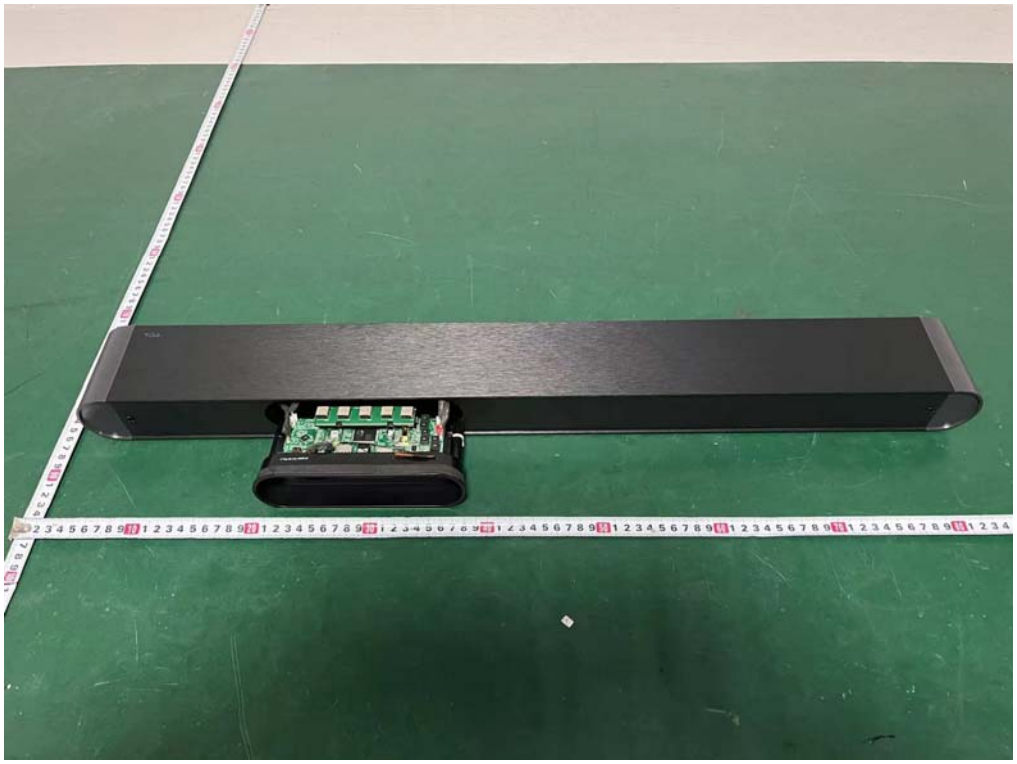
External Photos

M/N: S645W

Internal Photos

M/N: S645W





Internal Photos

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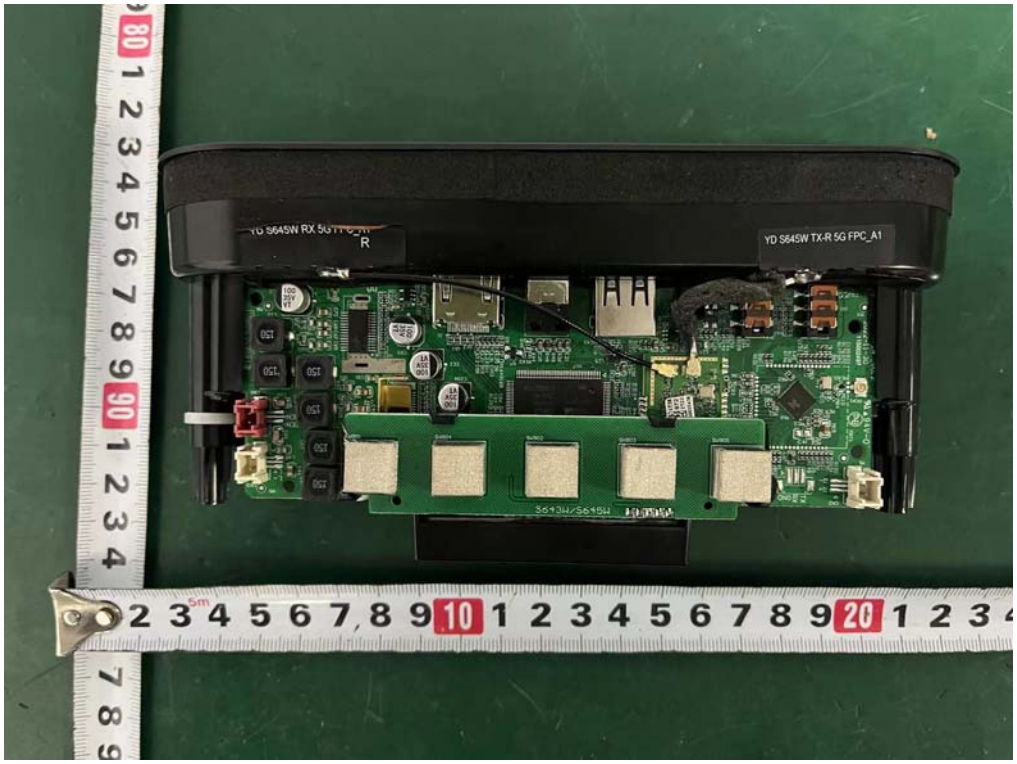

Internal Photos

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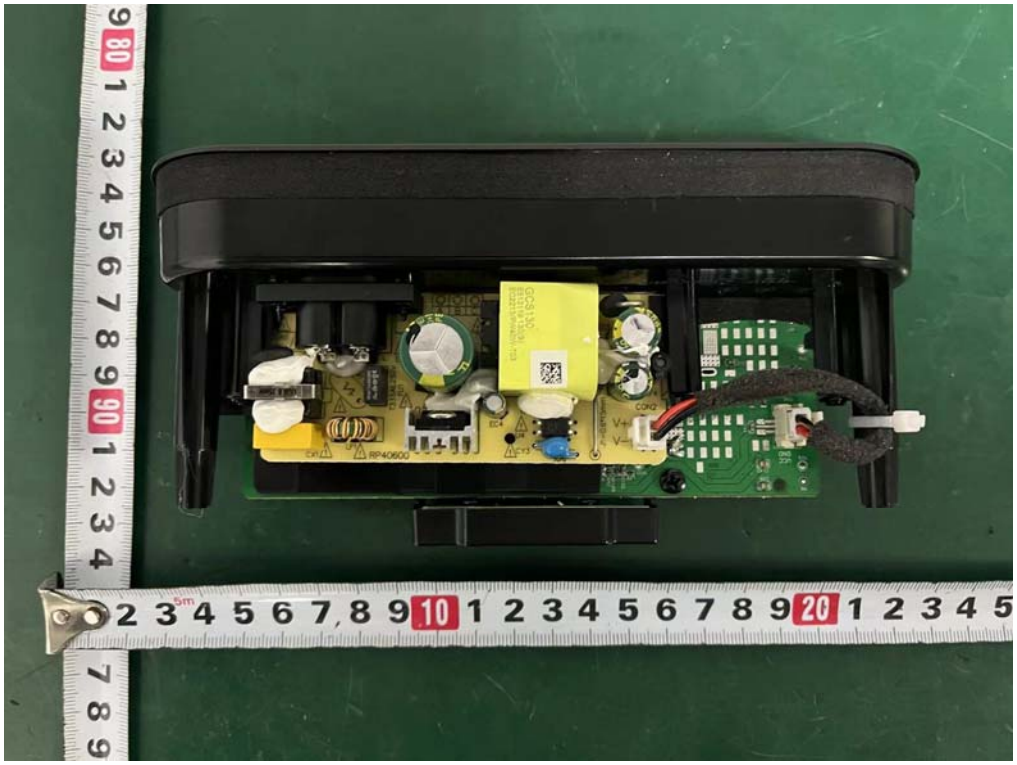

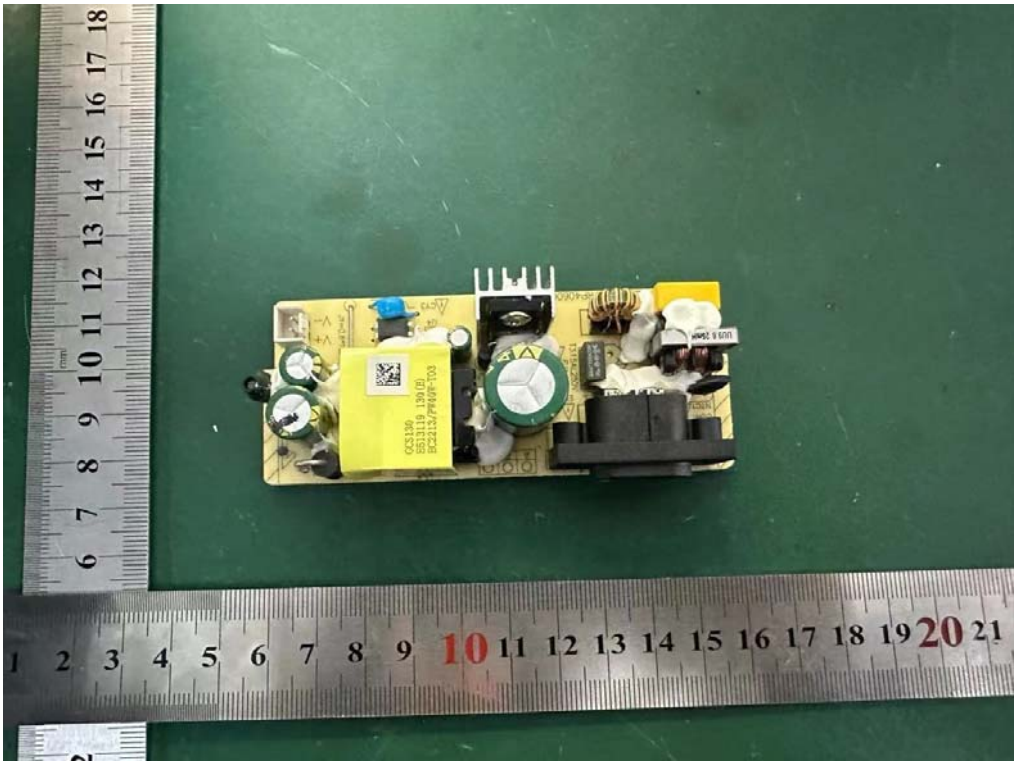

Internal Photos

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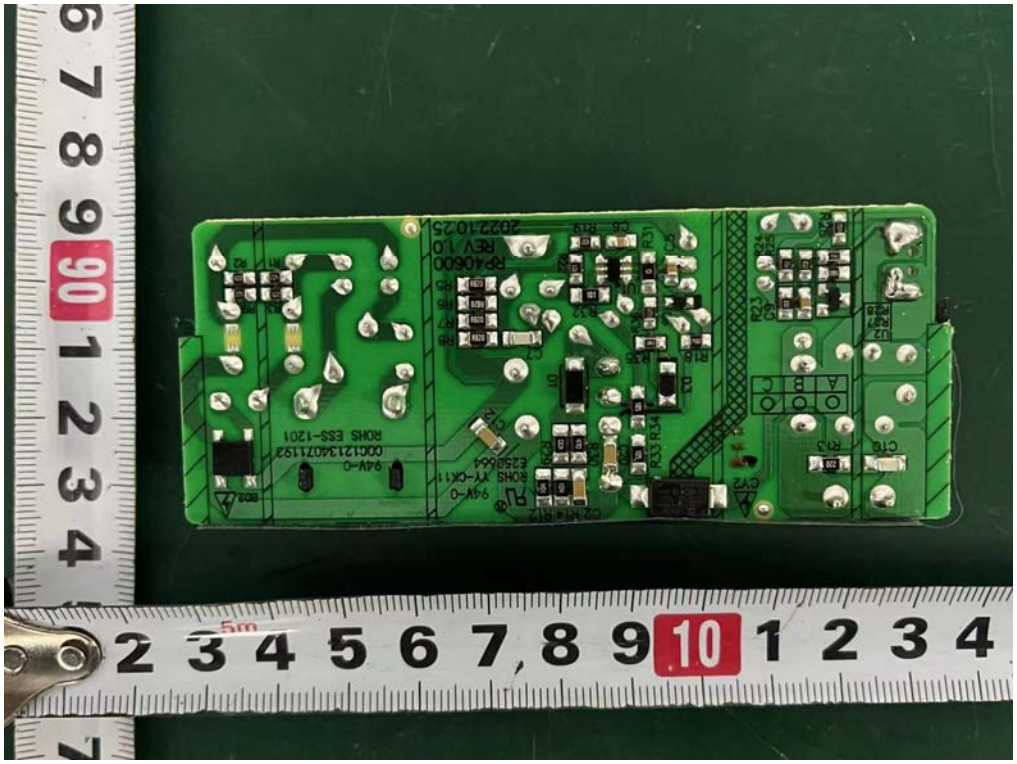

Internal Photos

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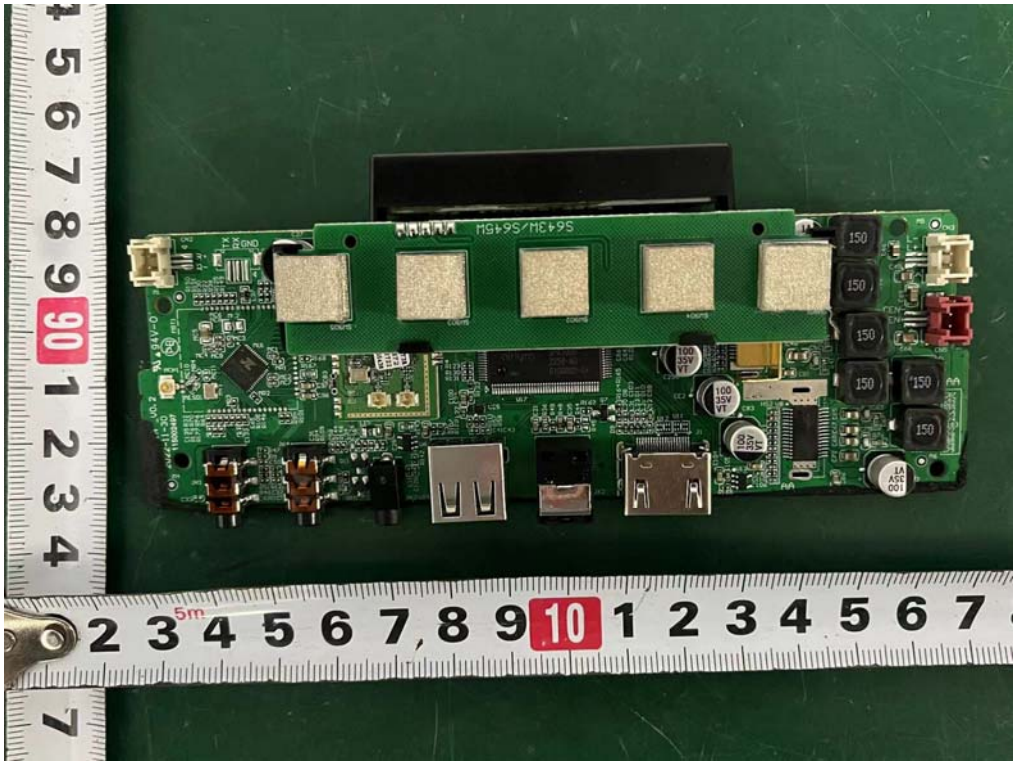
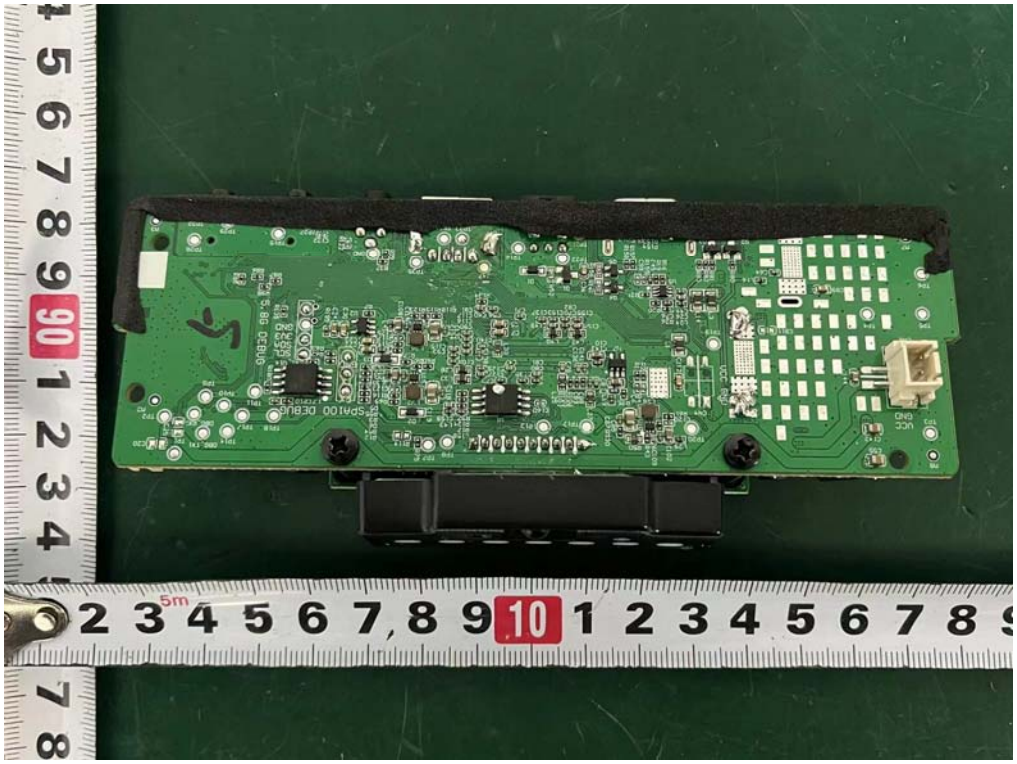
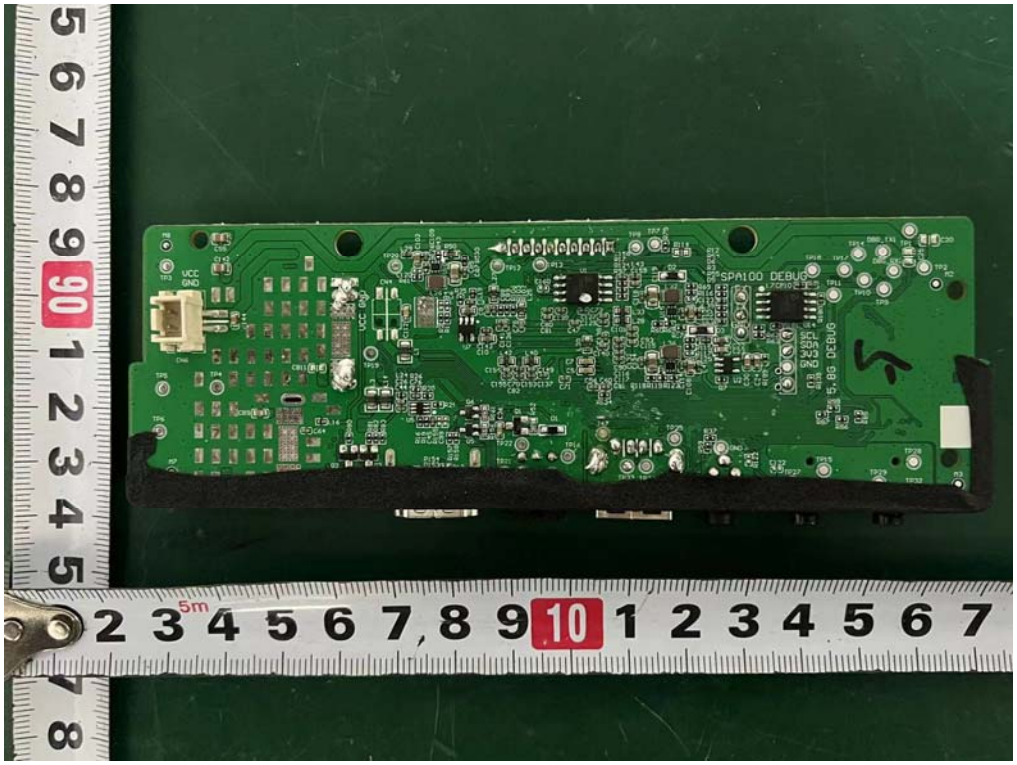
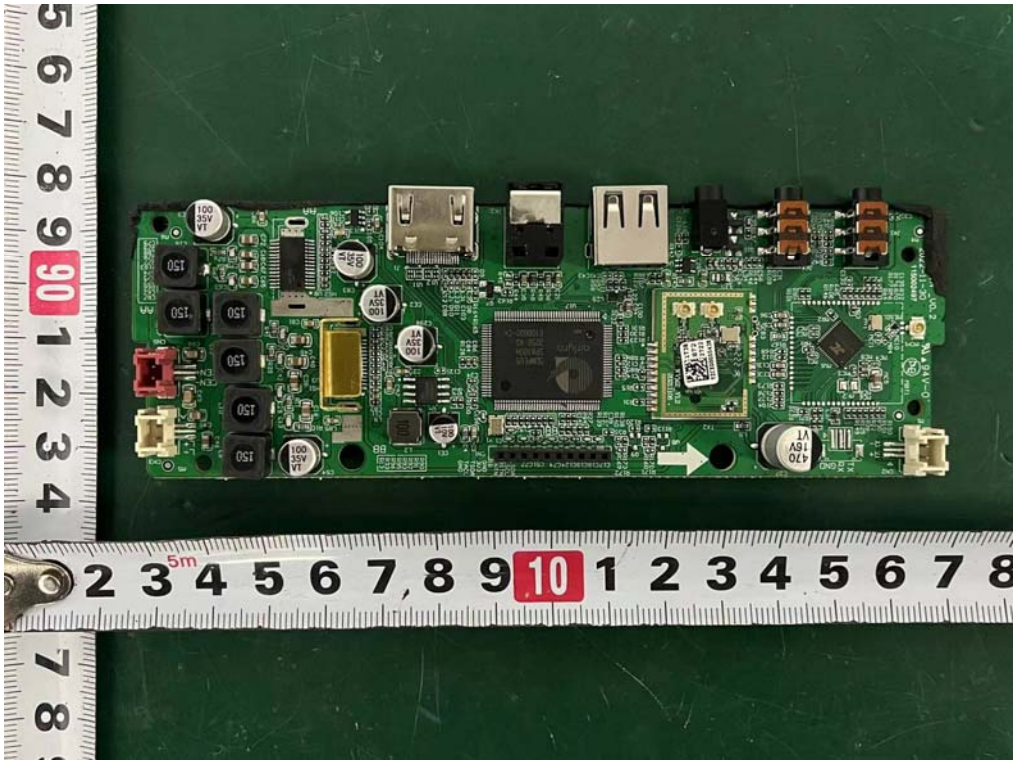




Internal Photos

M/N: S645W





Internal Photos

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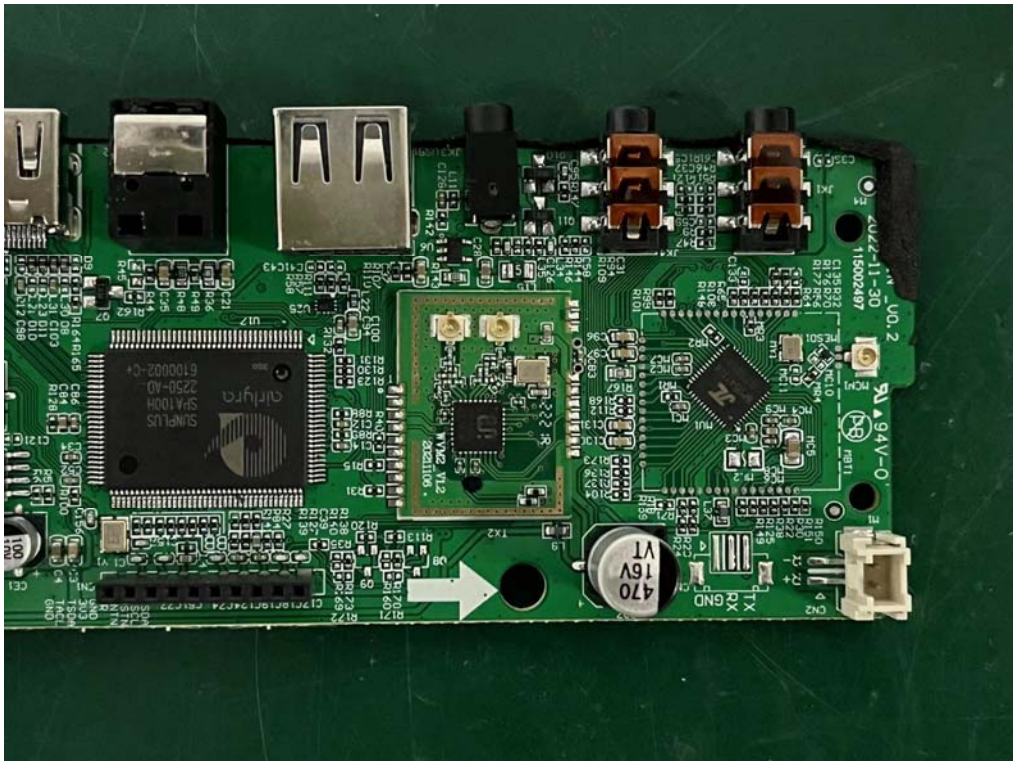

Internal Photos

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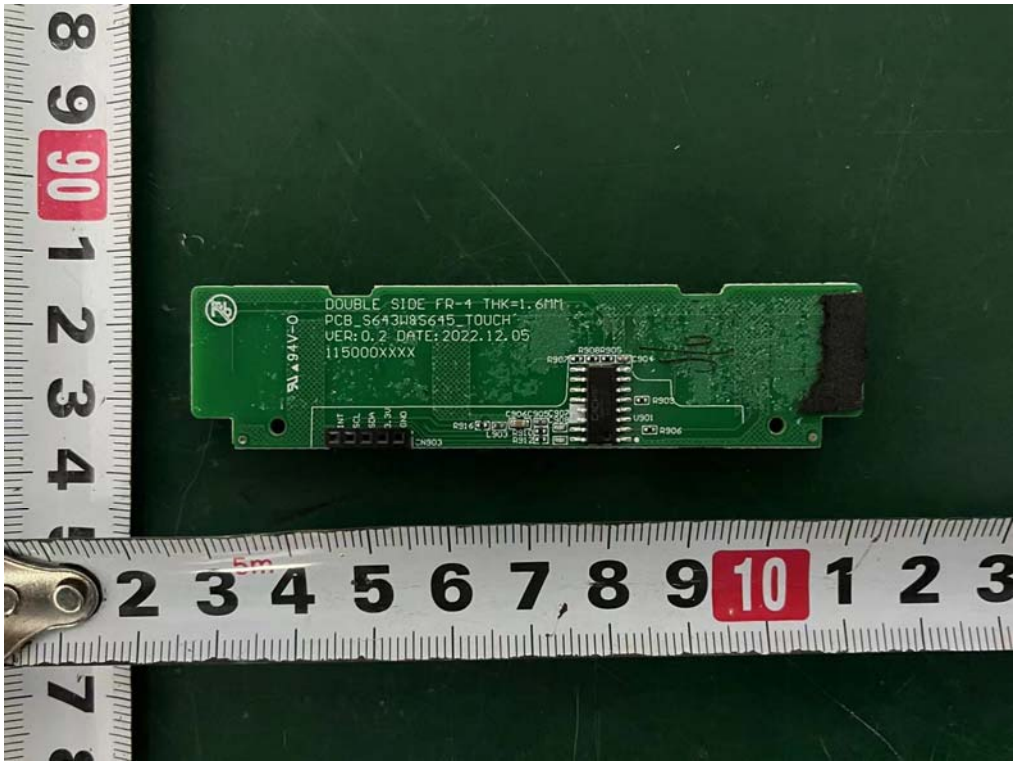
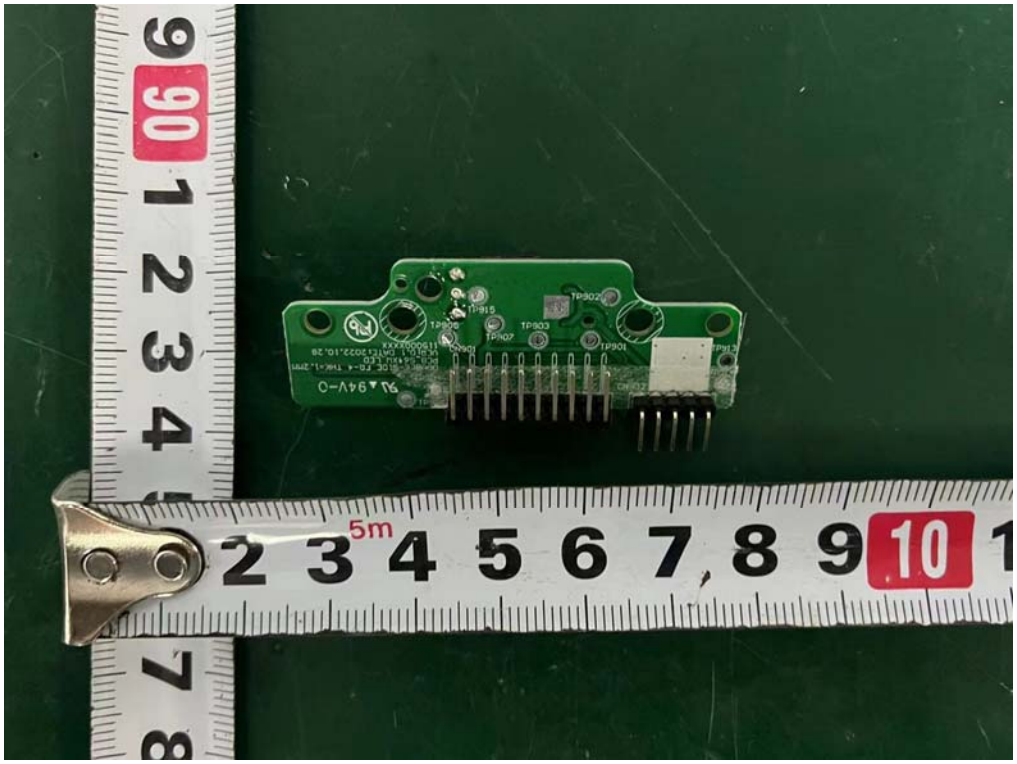
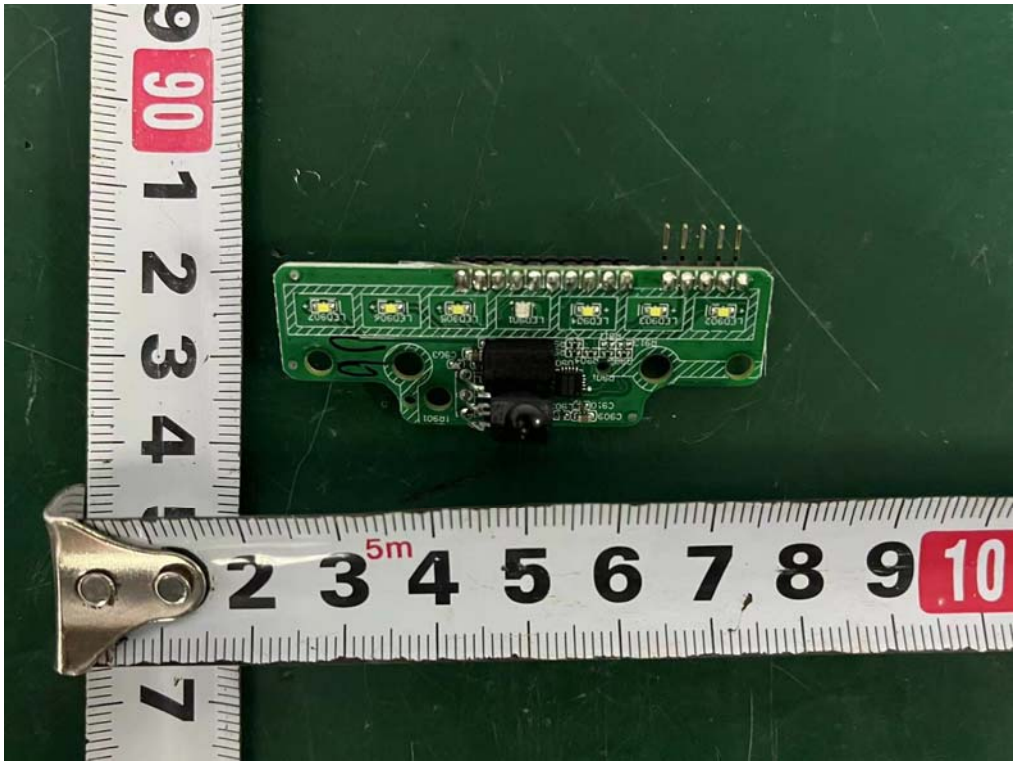
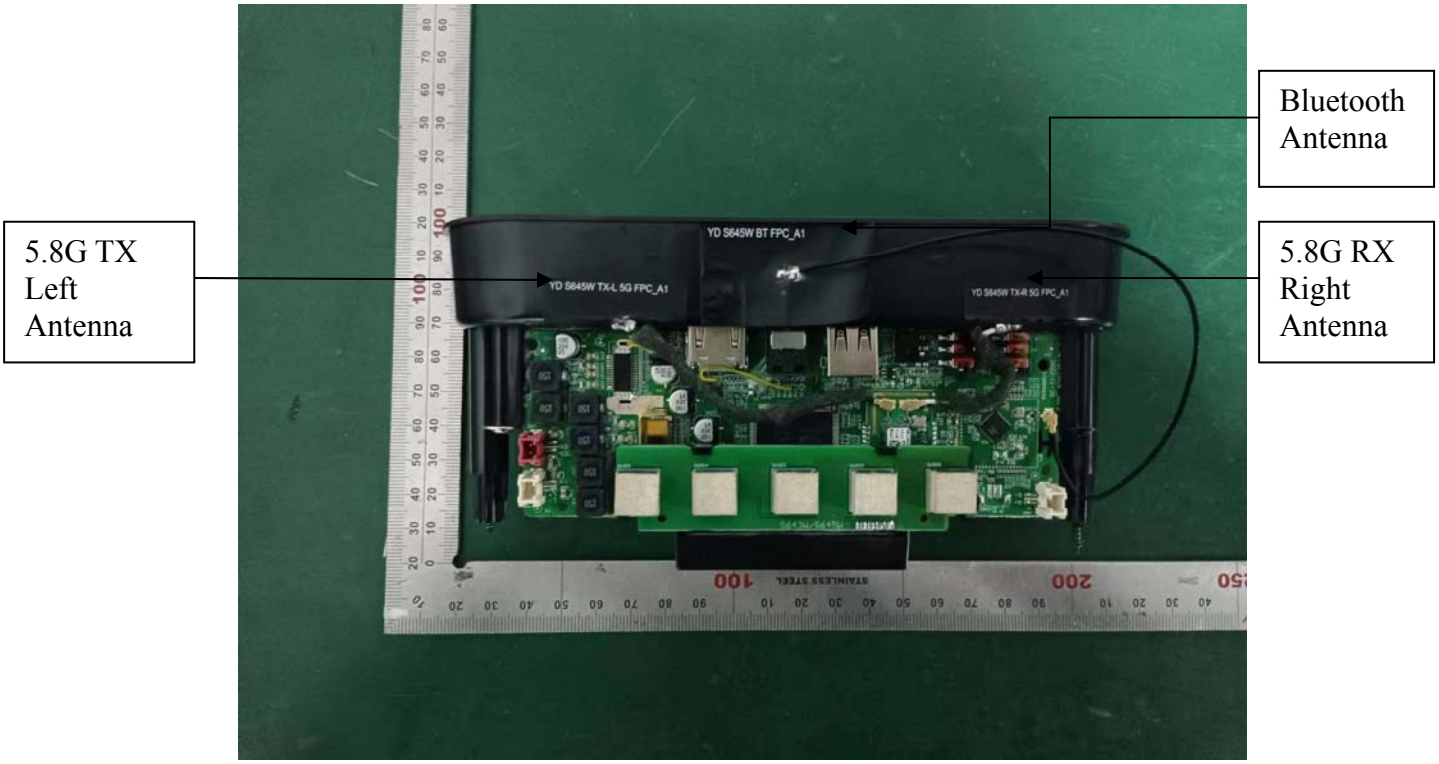




Internal Photos

M/N: S645W





End of Test Report