8. Band Edge Check

8.1. Test limits

Please refer section RSS-GEN&15.247.

8.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

8.2.1 Put the EUT on a 1.5m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission

8.2.2 Check the spurious emissions out of band.

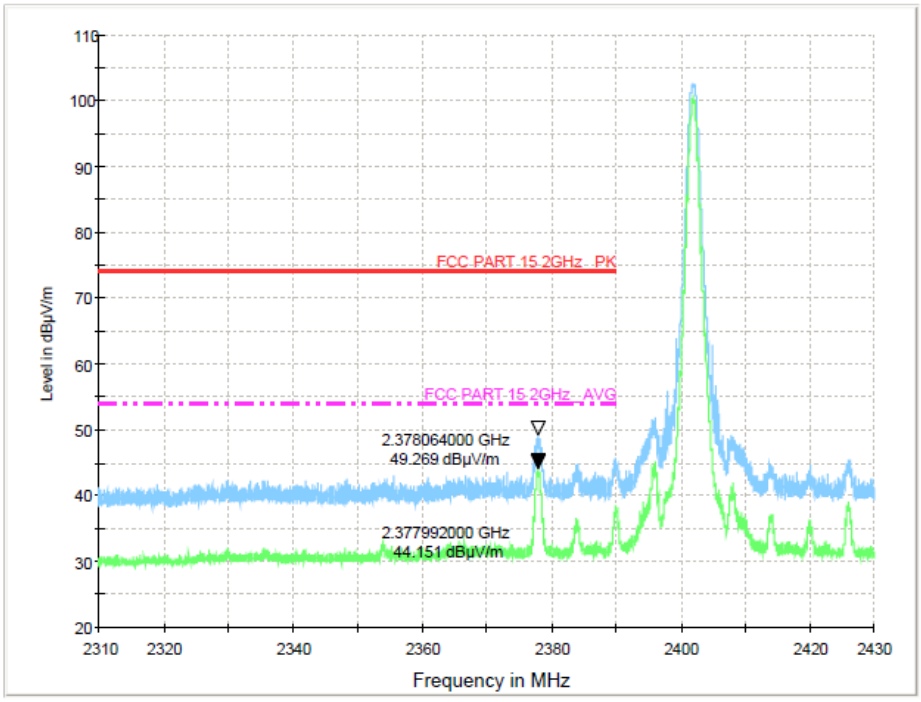
8.2.3 RBW 1MHz ,VBW 3MHz ,peak detector for peak value , RBW 1MHz ,VBW 3MHz ,RMS detector for AV value.

8.3. Test Setup

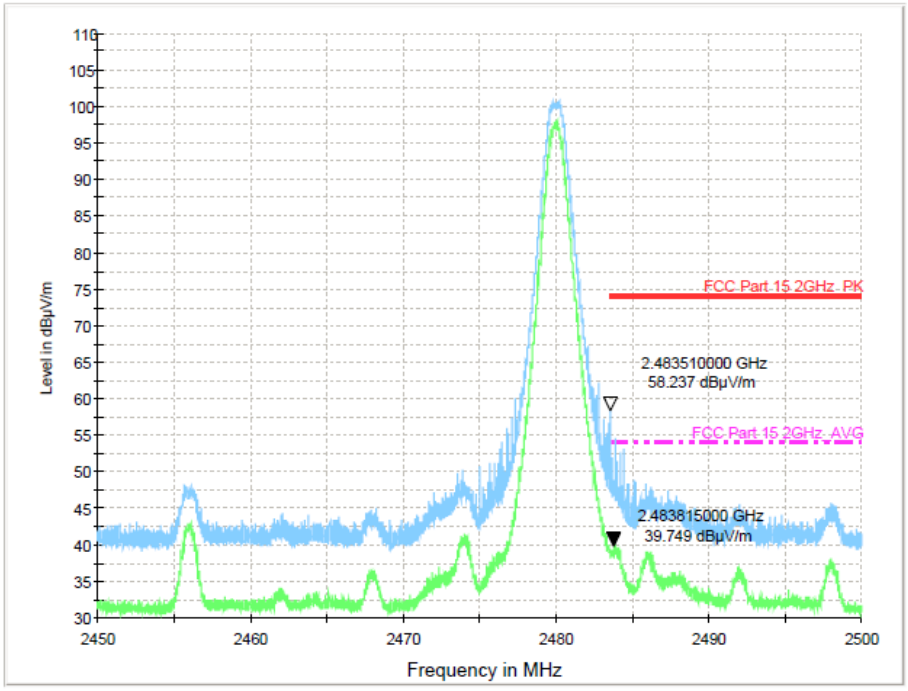
Same as 3.3 above 1GHz.

8.4. Test Results

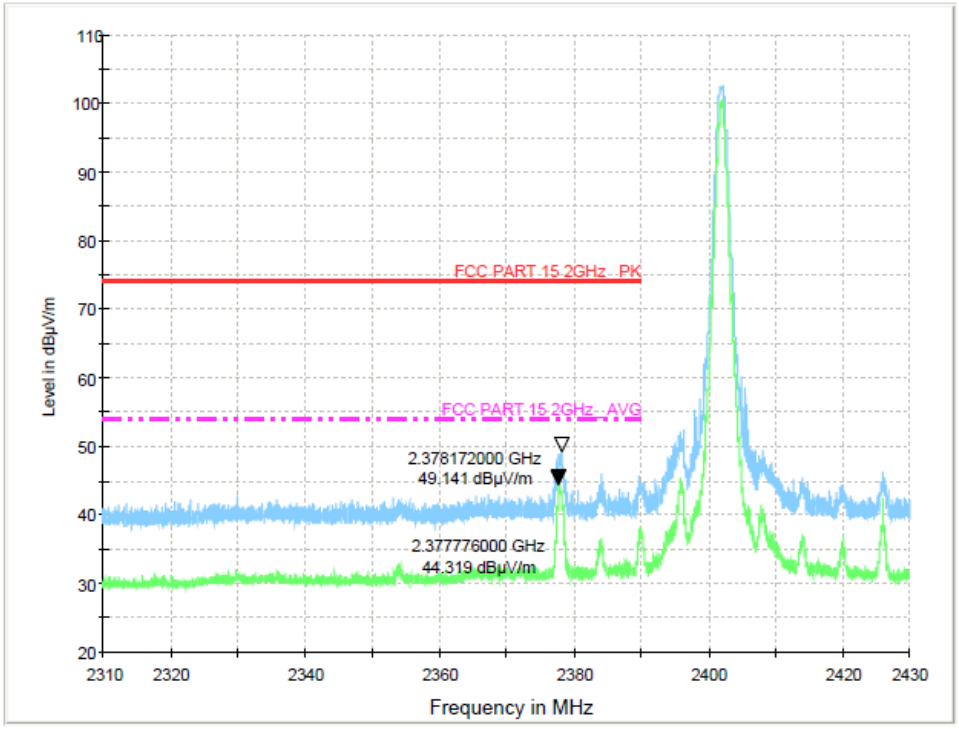
Radiated Method:
ANT 1 Test Mode: GFSK-Low



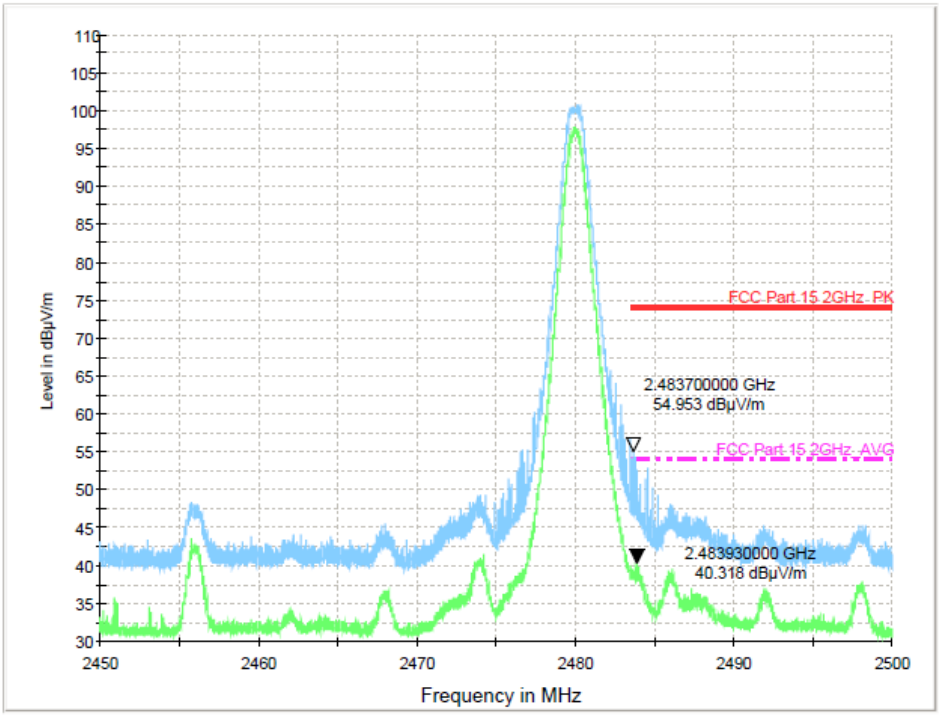
Test Mode: GFSK-High



ANT 2 Test Mode: GFSK-Low

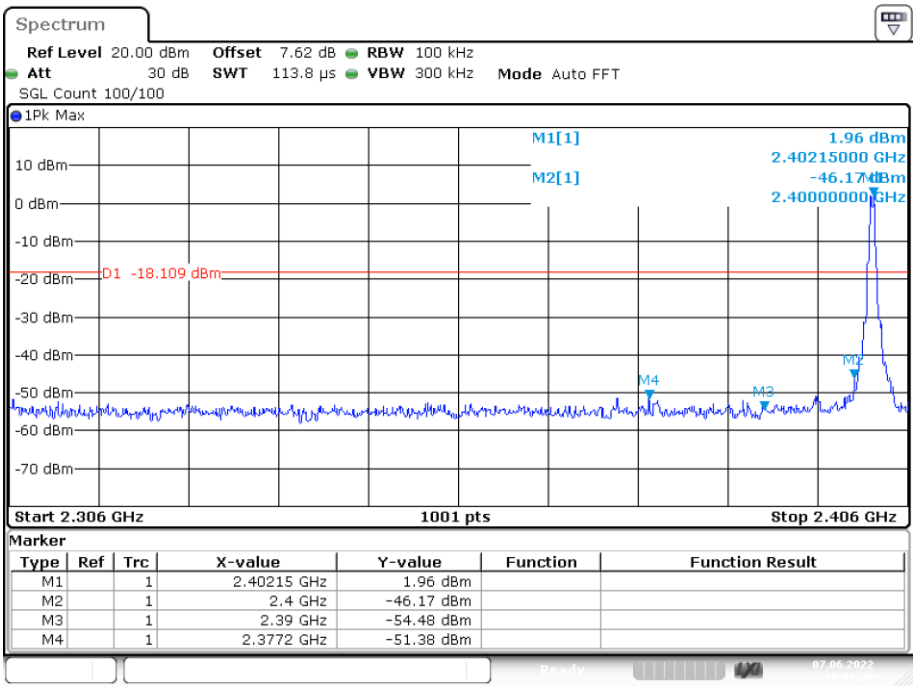


Test Mode: GFSK-High



Conducted Method:
GFSK(ANT 1)

Lowest channel

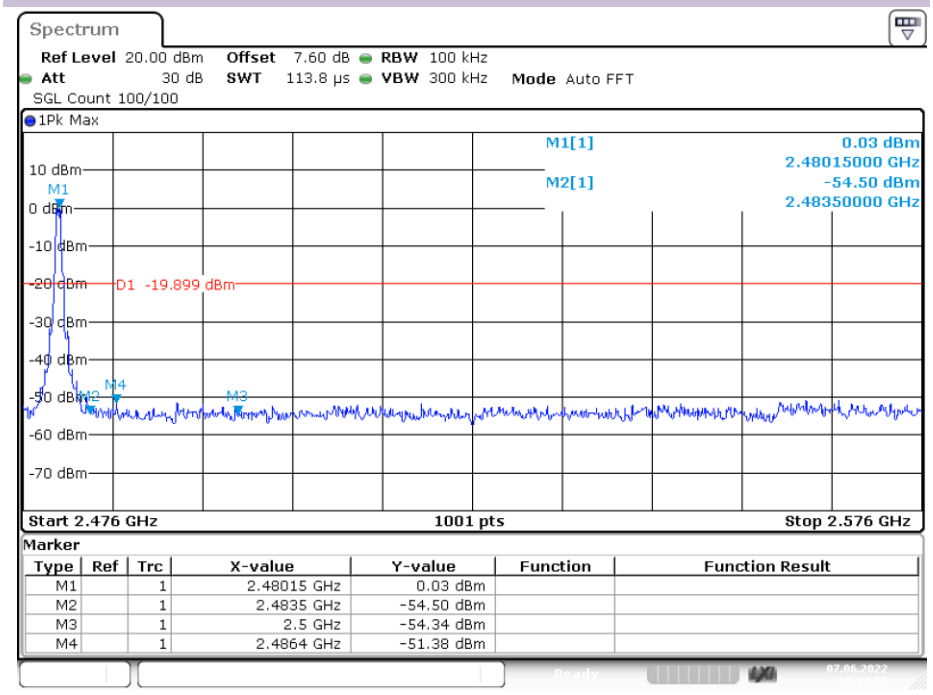


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40215 GHz	1.96 dBm		
M2		1	2.4 GHz	-46.17 dBm		
M3		1	2.39 GHz	-54.48 dBm		
M4		1	2.3772 GHz	-51.38 dBm		

Date: 7.JUN.2022 10:07:28

Highest channel



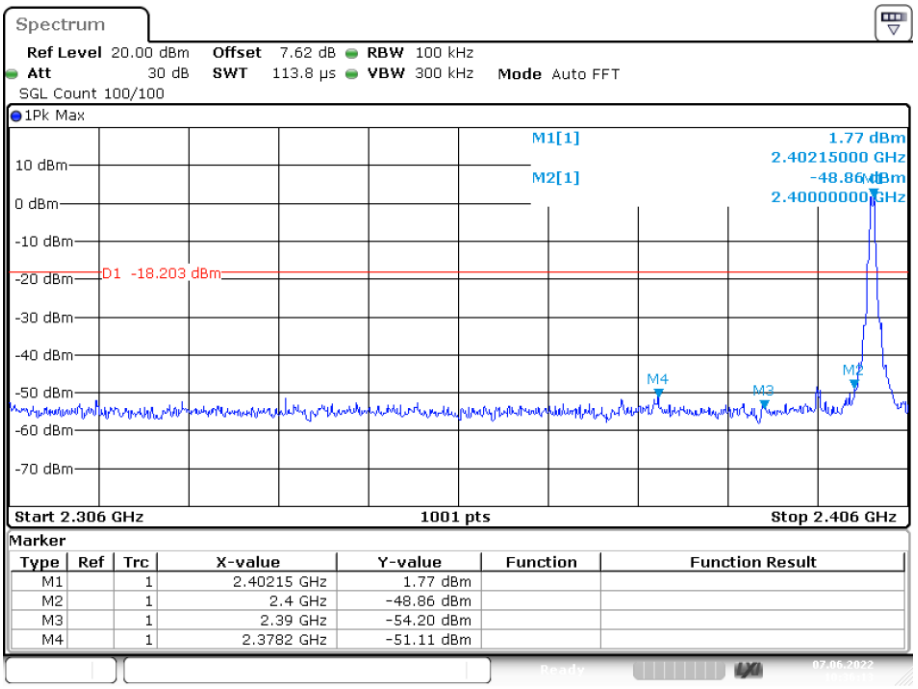
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48015 GHz	0.03 dBm		
M2		1	2.4835 GHz	-54.50 dBm		
M3		1	2.5 GHz	-54.34 dBm		
M4		1	2.4864 GHz	-51.38 dBm		

Date: 7.JUN.2022 10:13:54

Conducted Method:
GFSK(ANT 2)

Lowest channel

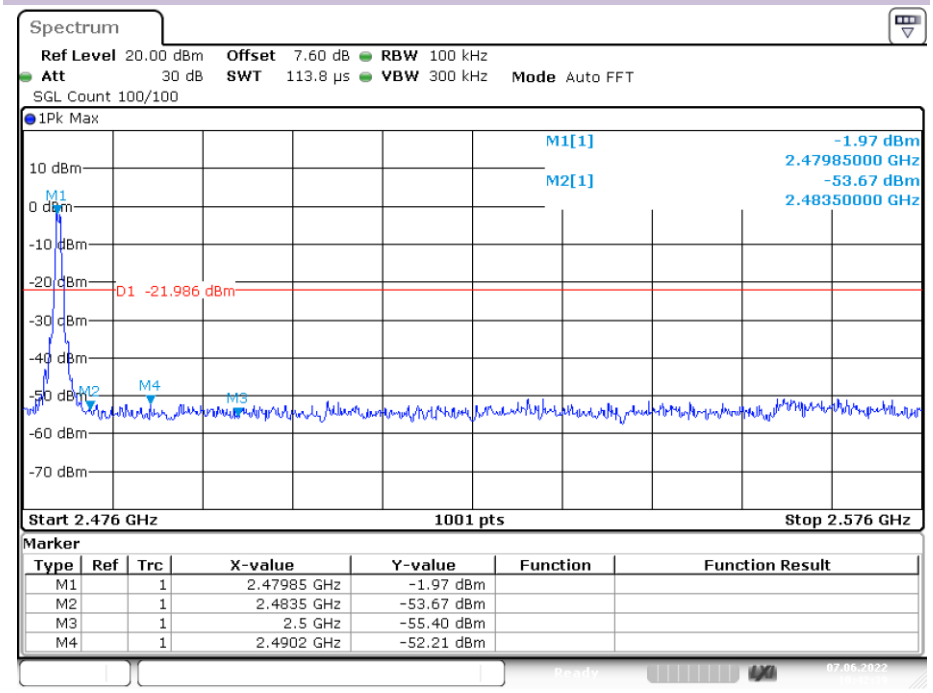


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40215 GHz	1.77 dBm		
M2		1	2.4 GHz	-48.86 dBm		
M3		1	2.39 GHz	-54.20 dBm		
M4		1	2.3782 GHz	-51.11 dBm		

Date: 7.JUN.2022 10:36:13

Highest channel



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47985 GHz	-1.97 dBm		
M2		1	2.4835 GHz	-53.67 dBm		
M3		1	2.5 GHz	-55.40 dBm		
M4		1	2.4902 GHz	-52.21 dBm		

Date: 7.JUN.2022 10:42:38

9. Antenna Requirement

9.1. Standard Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

9.2. Antenna Connected Construction

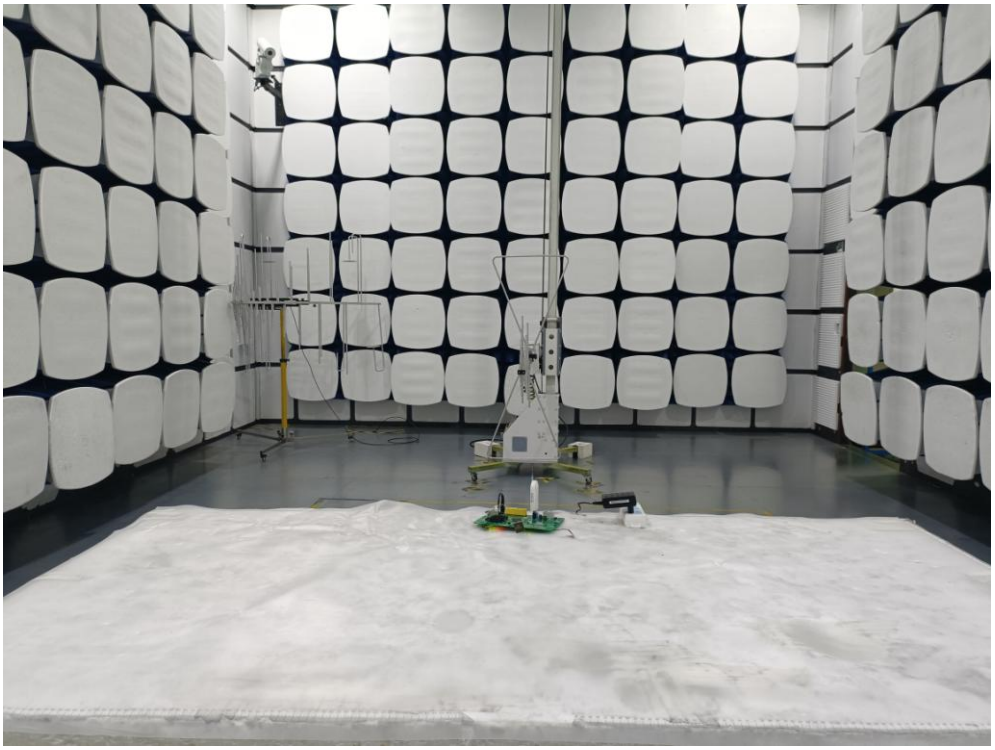
The antenna is Internal antenna and no consideration of replacement. Please see EUT photo for details.

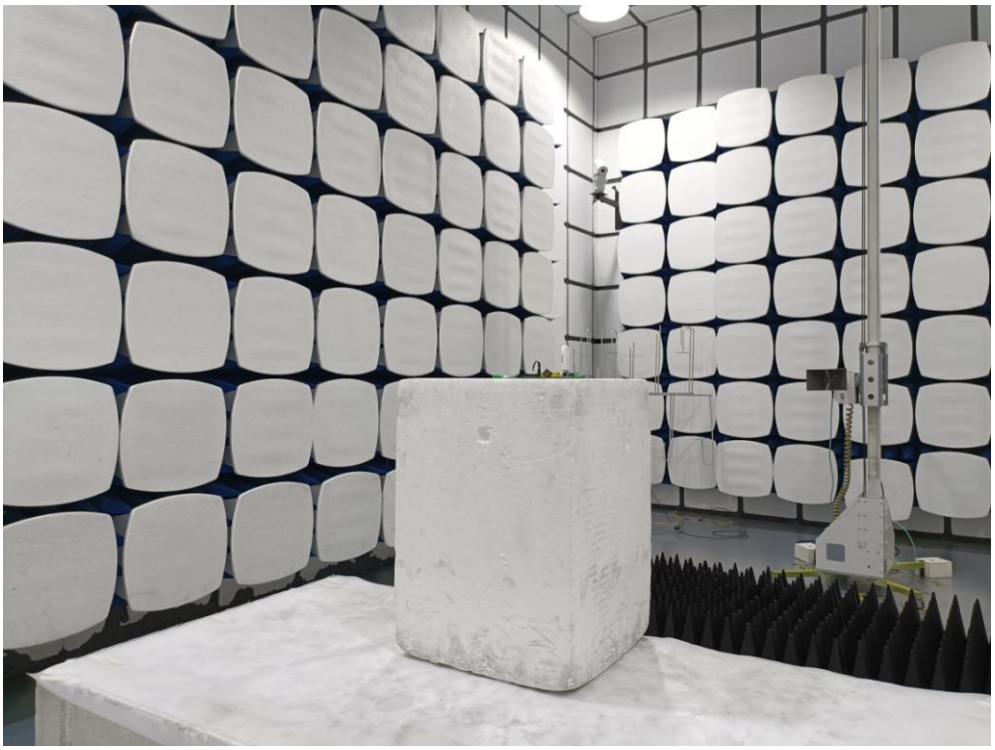
9.3. Results

The EUT antenna is Internal Antenna. It comply with the standard requirement.

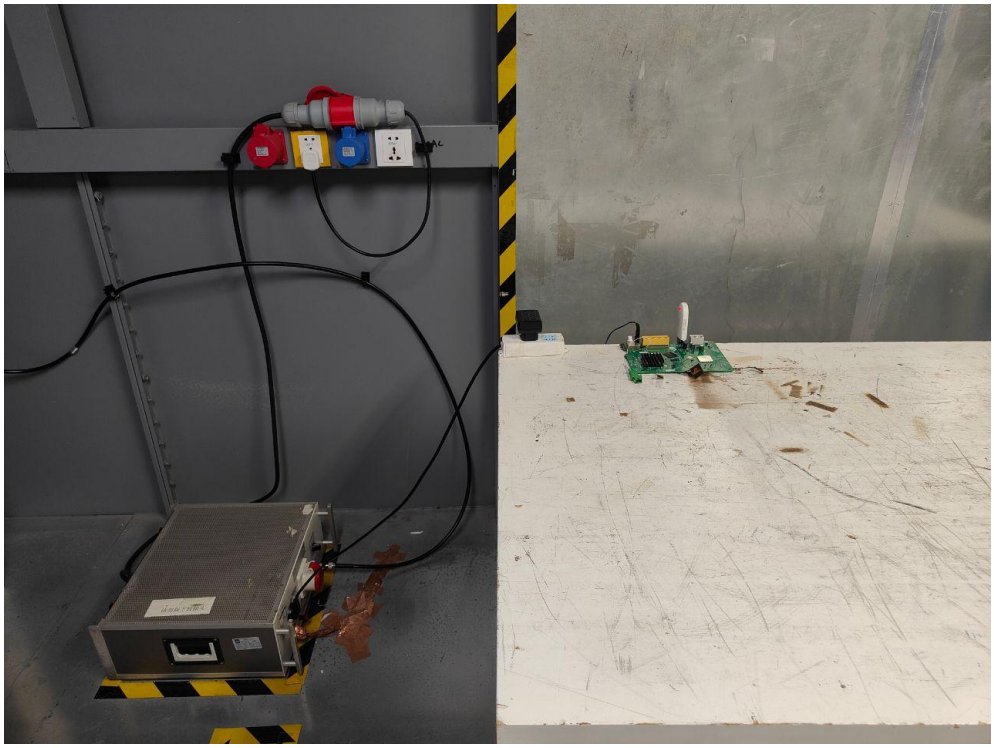
10. Test Setup Photo

10.1.Photos of Radiated emission





10.2.Photos of Conducted Emission test



11. Photos of EUT

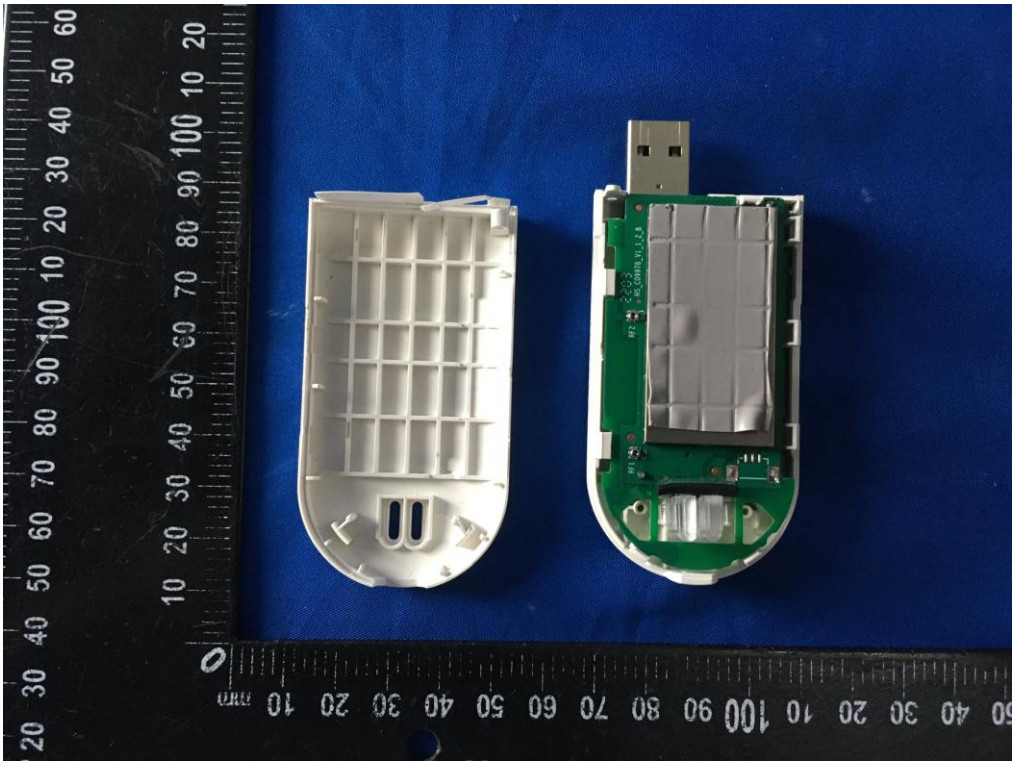
Hanshow
RESET
S/N:914210061593992885

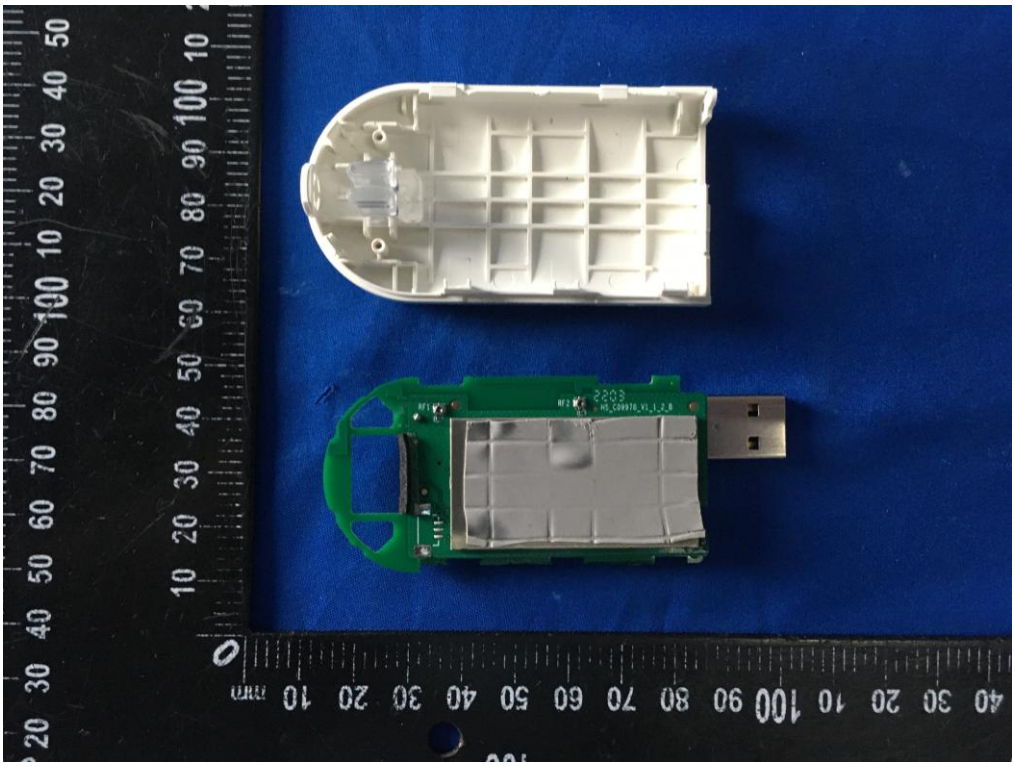
Hanshow

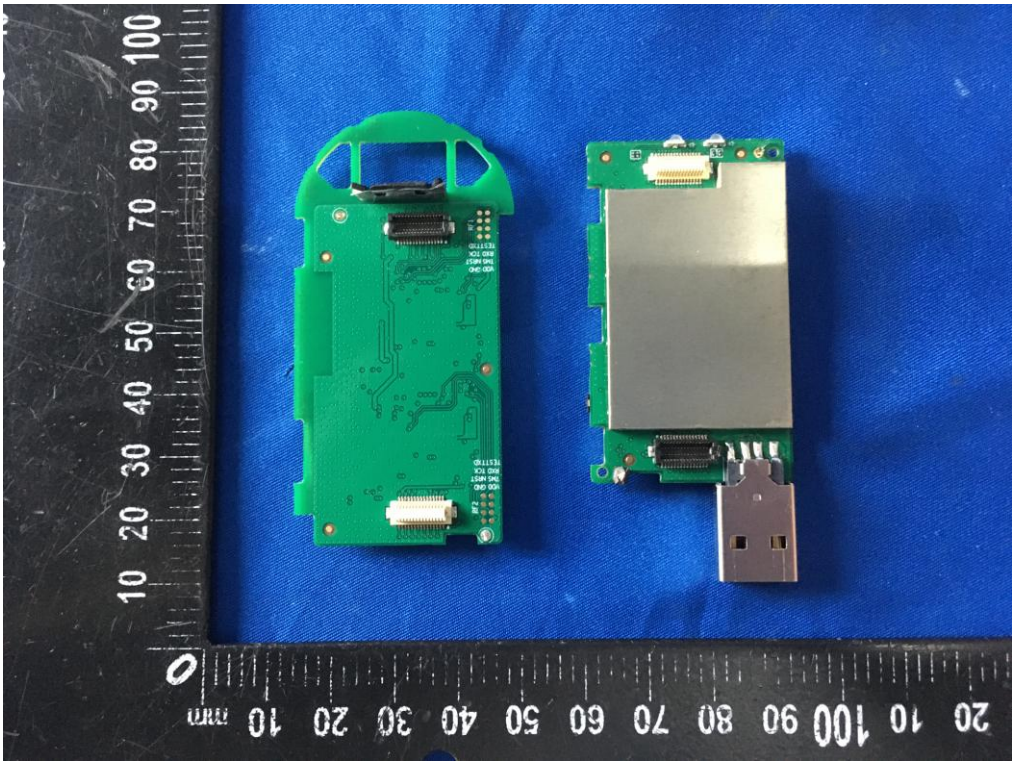
Hanshow

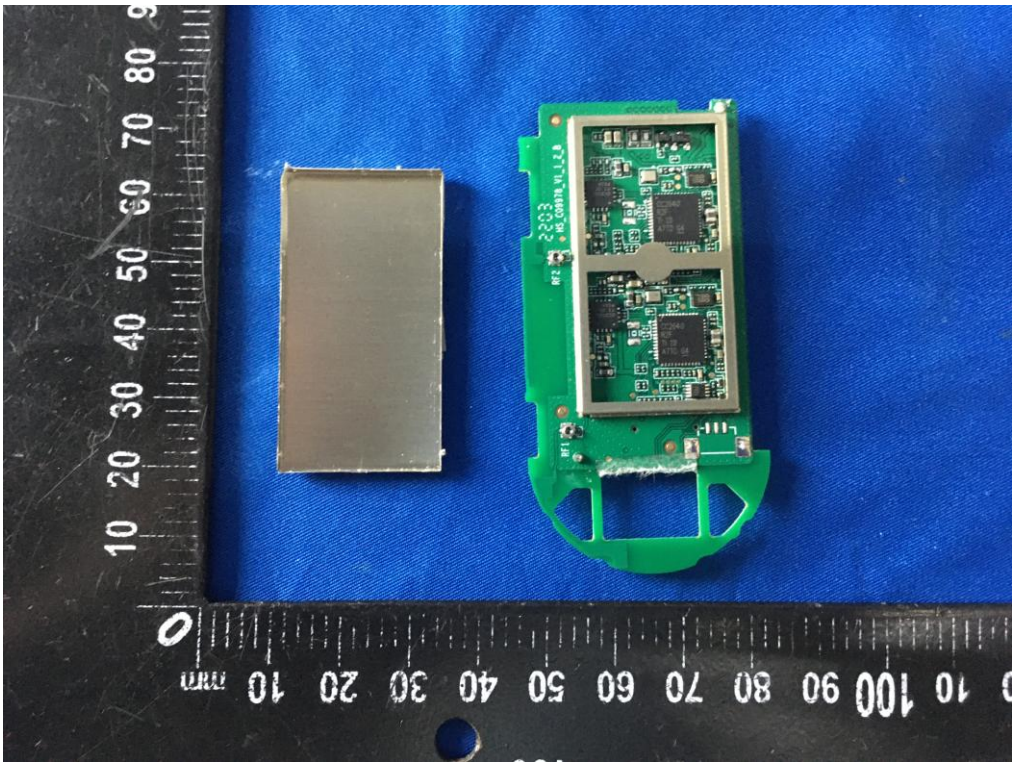
Hanshow

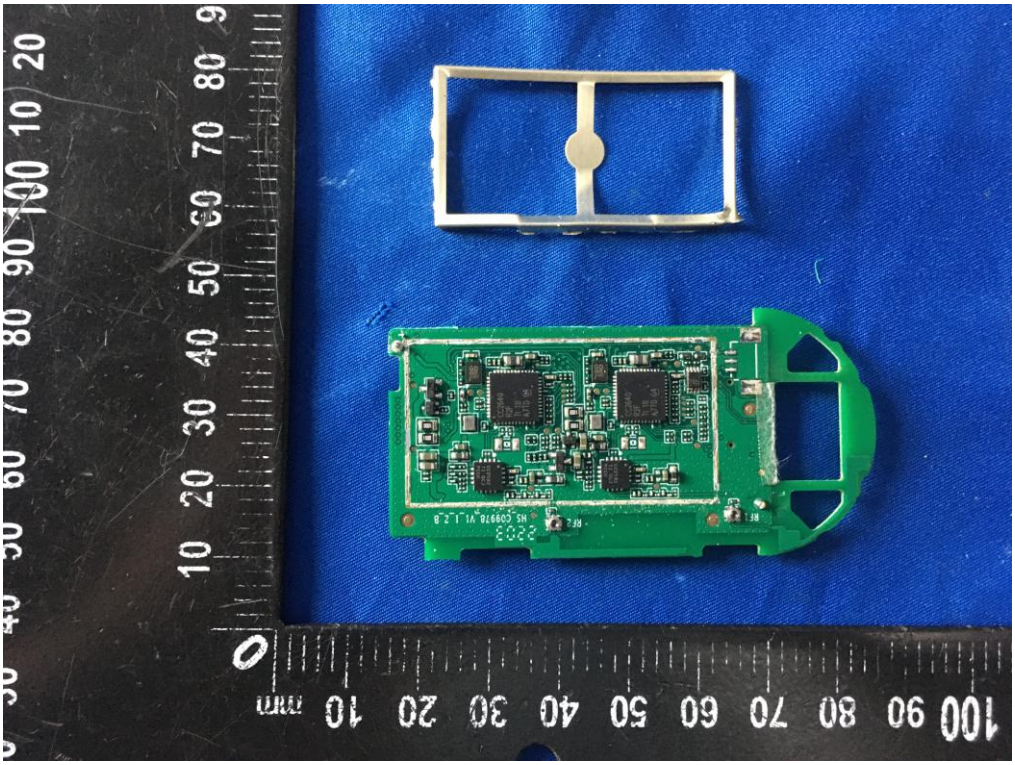
Hanshow
MODEL:HS-C09978
PRODUCT:ESL Controller
Made in China
RoHS

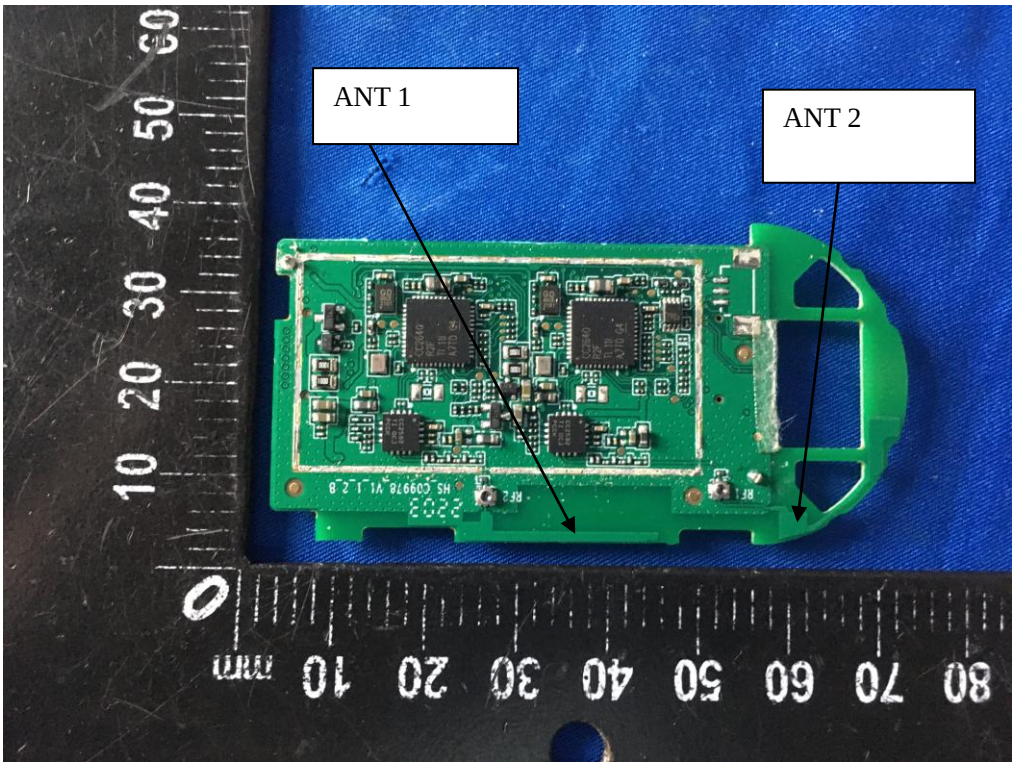


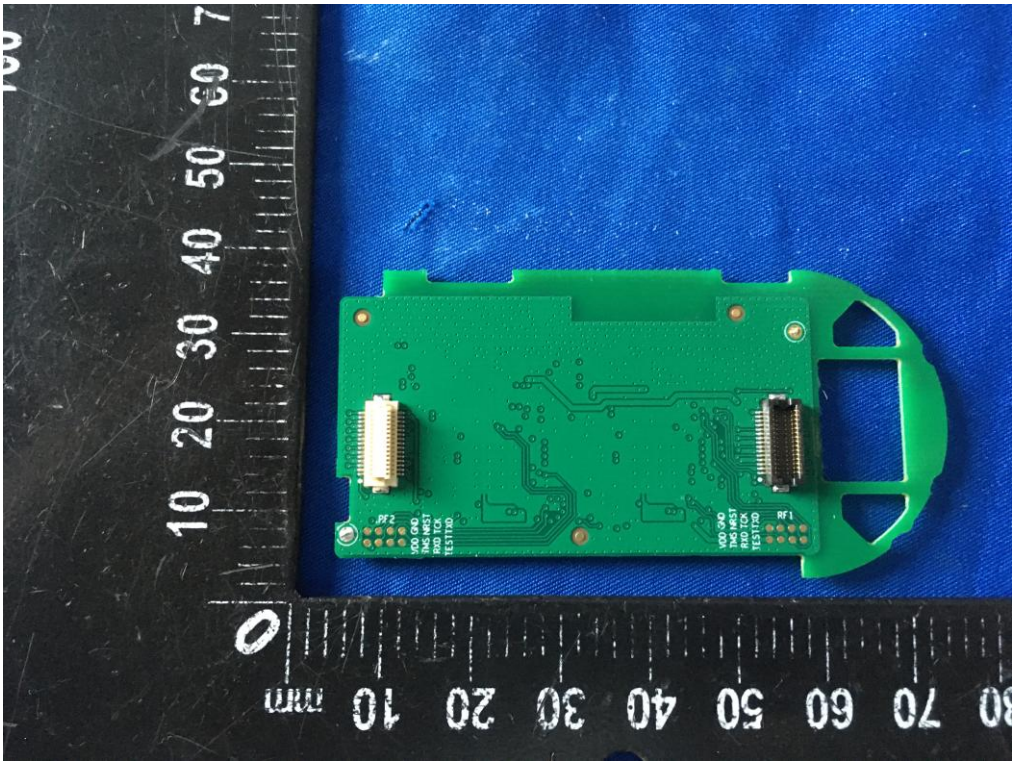


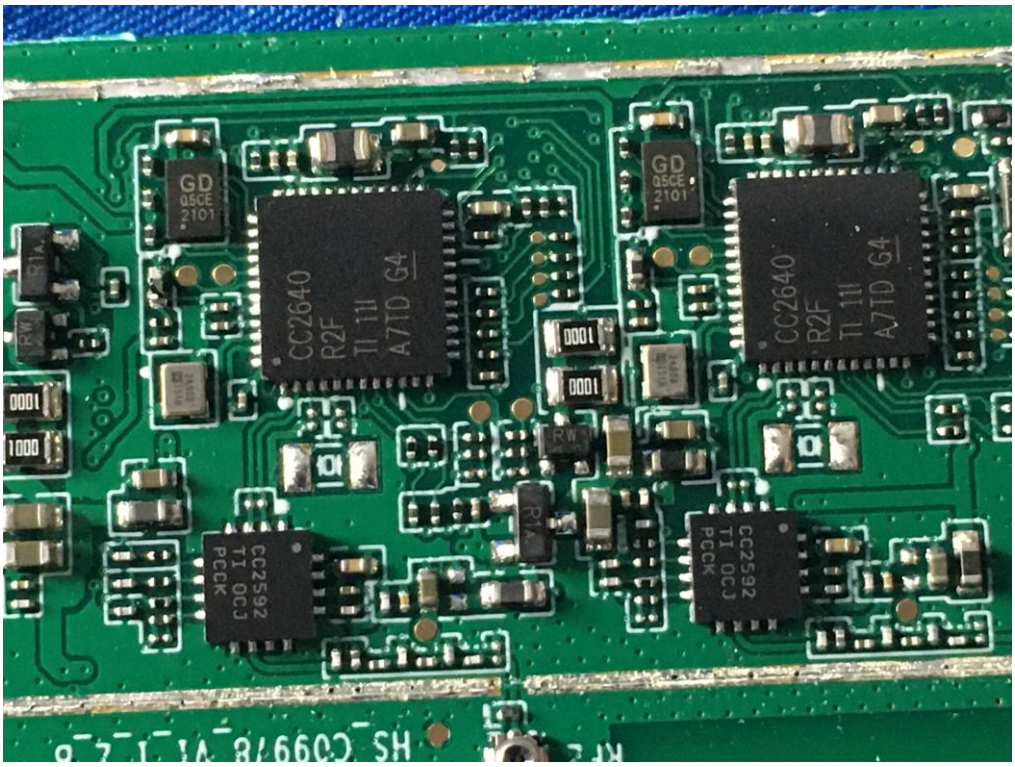


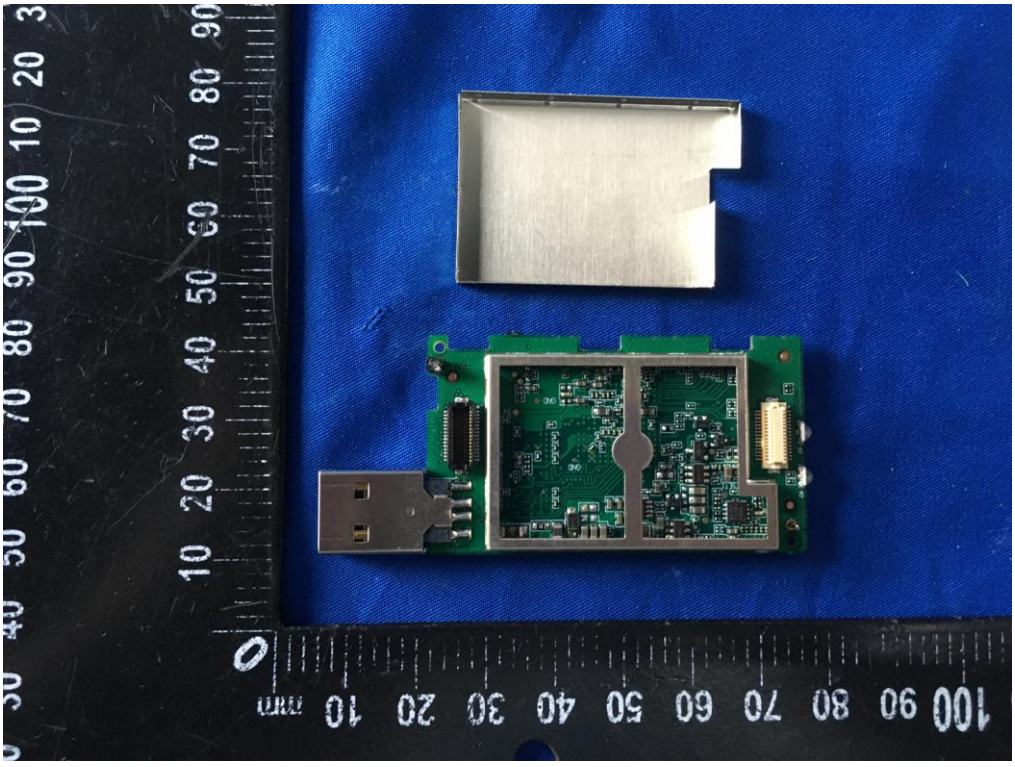


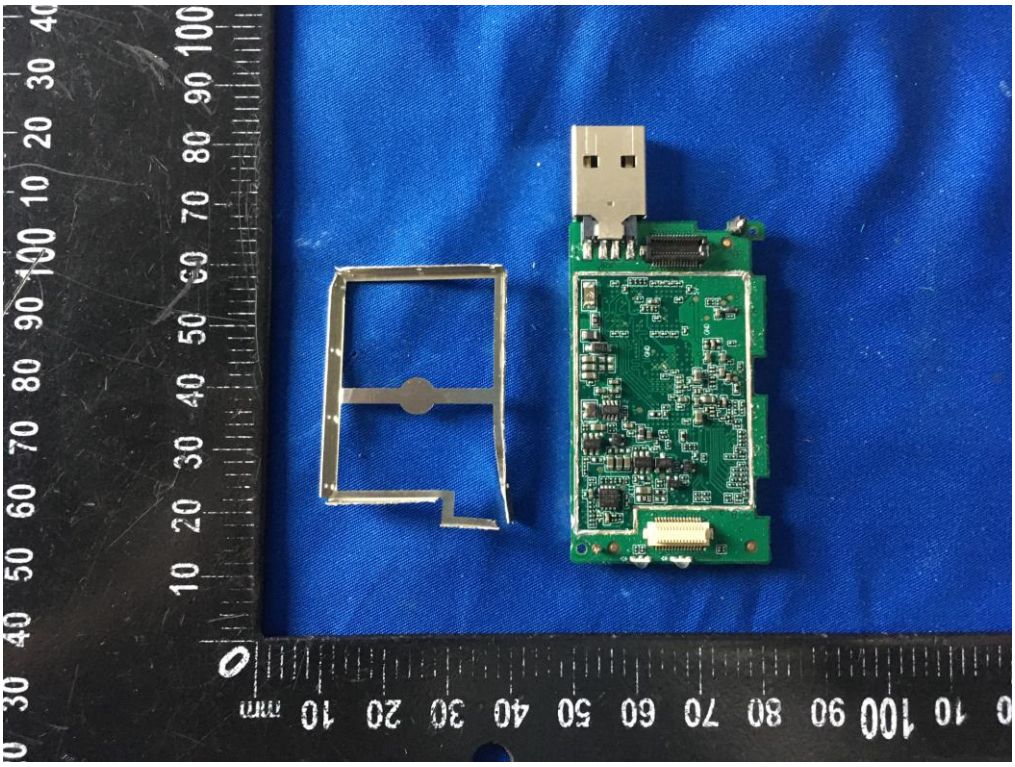


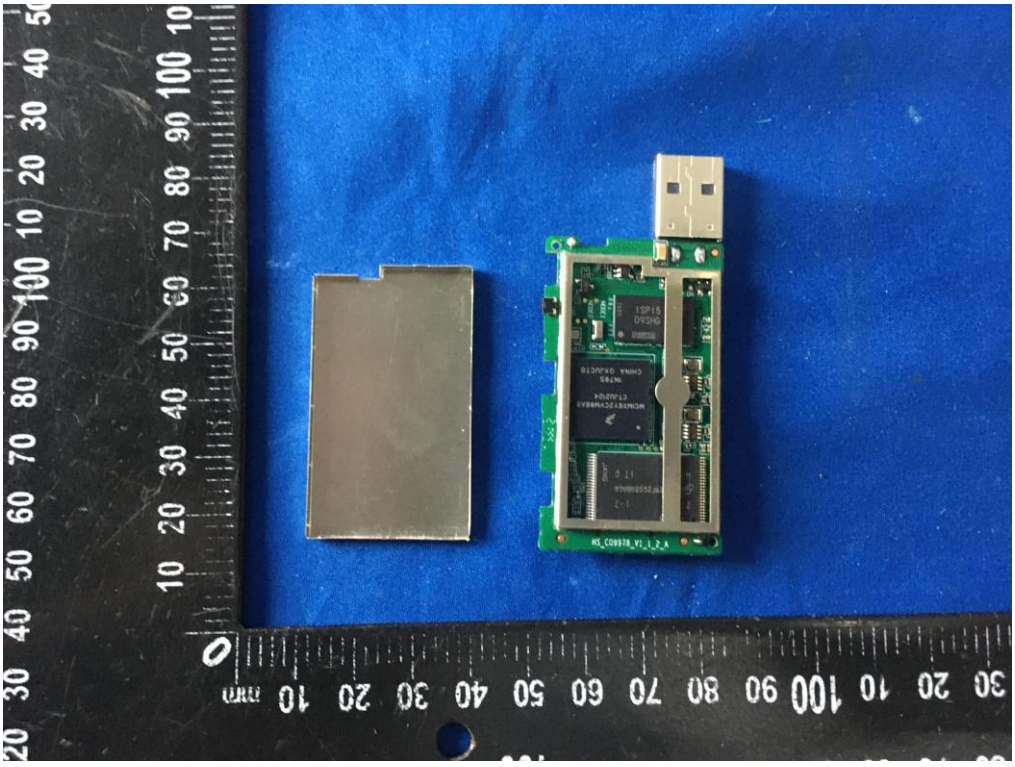

ANT 1
ANT 2

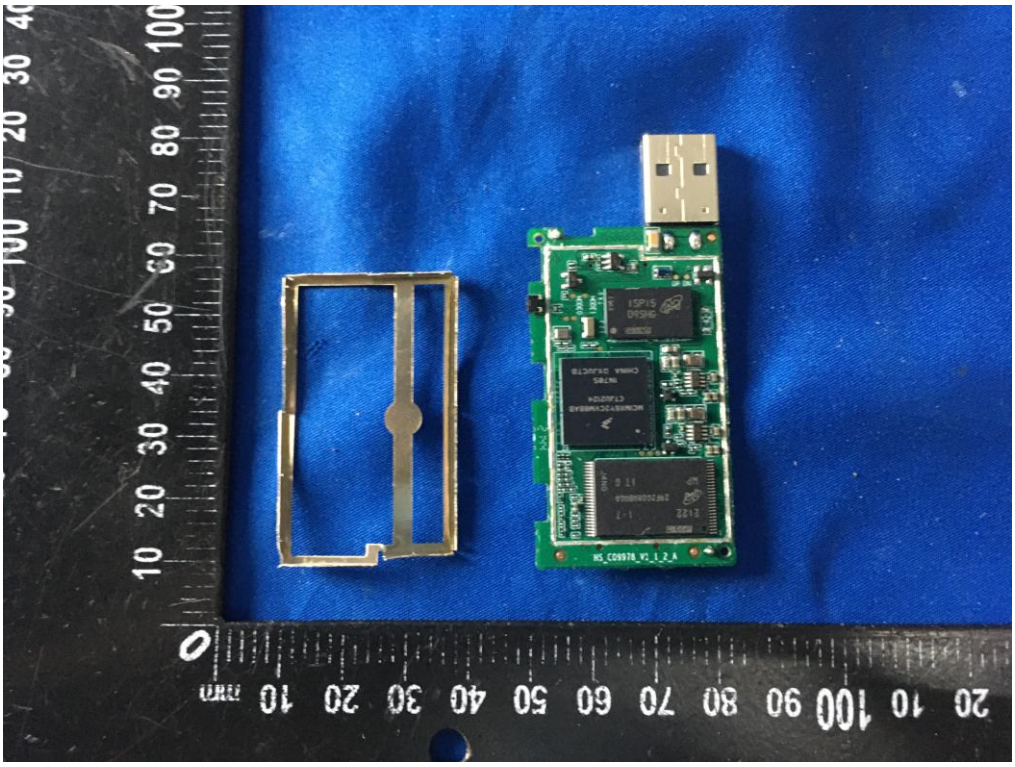


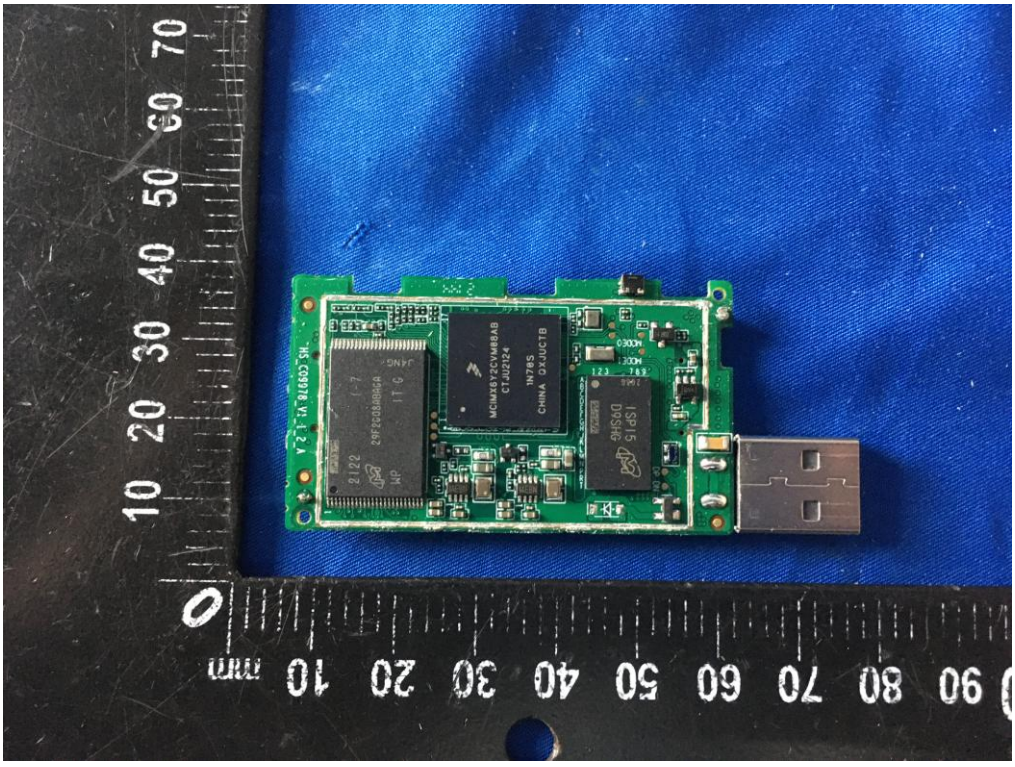

CC2640
R2F
A7TD G4
CC2592

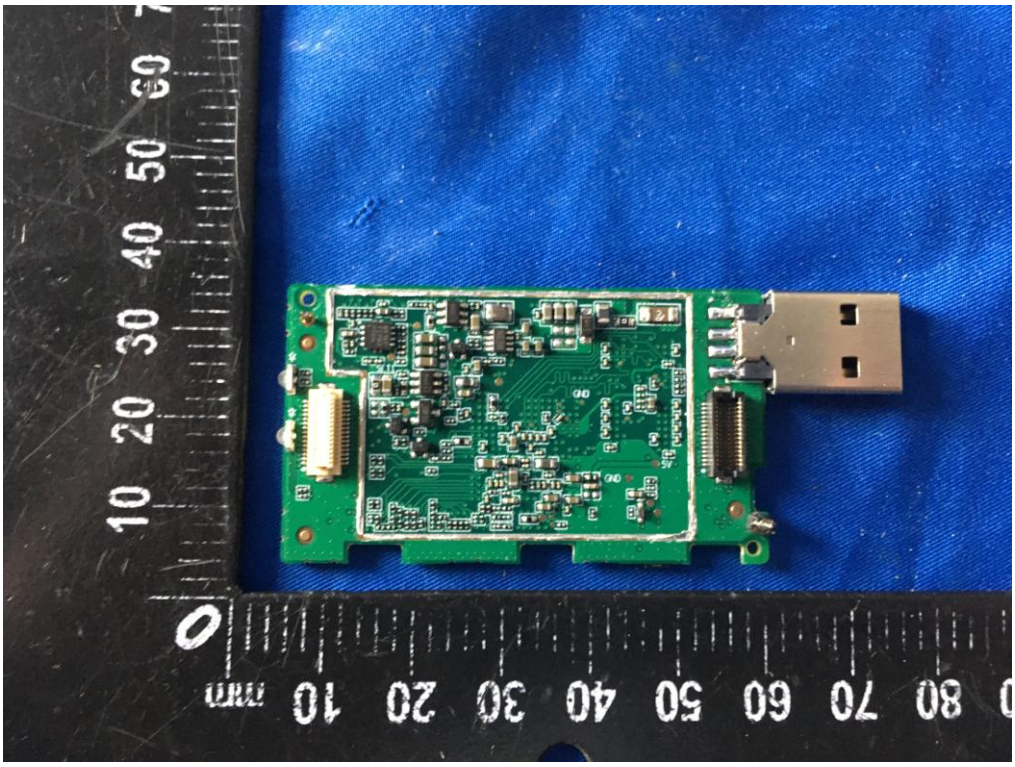


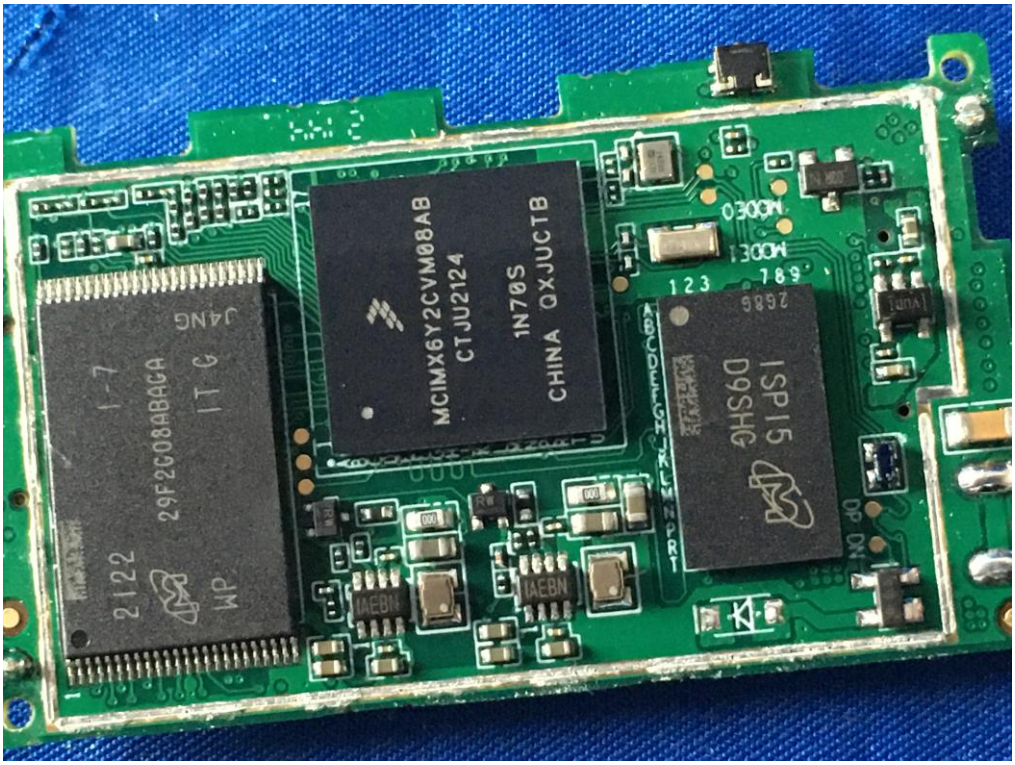












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