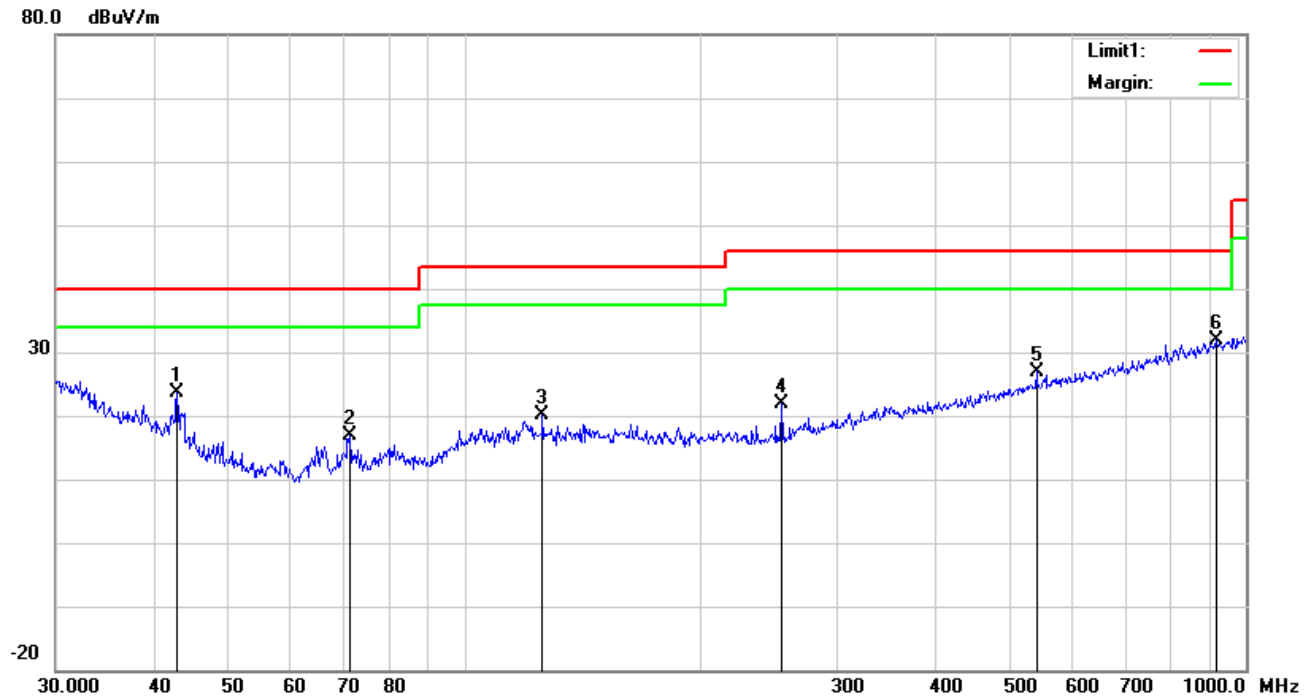


Test Mode: Bluetooth Mode

30MHz -1GHz



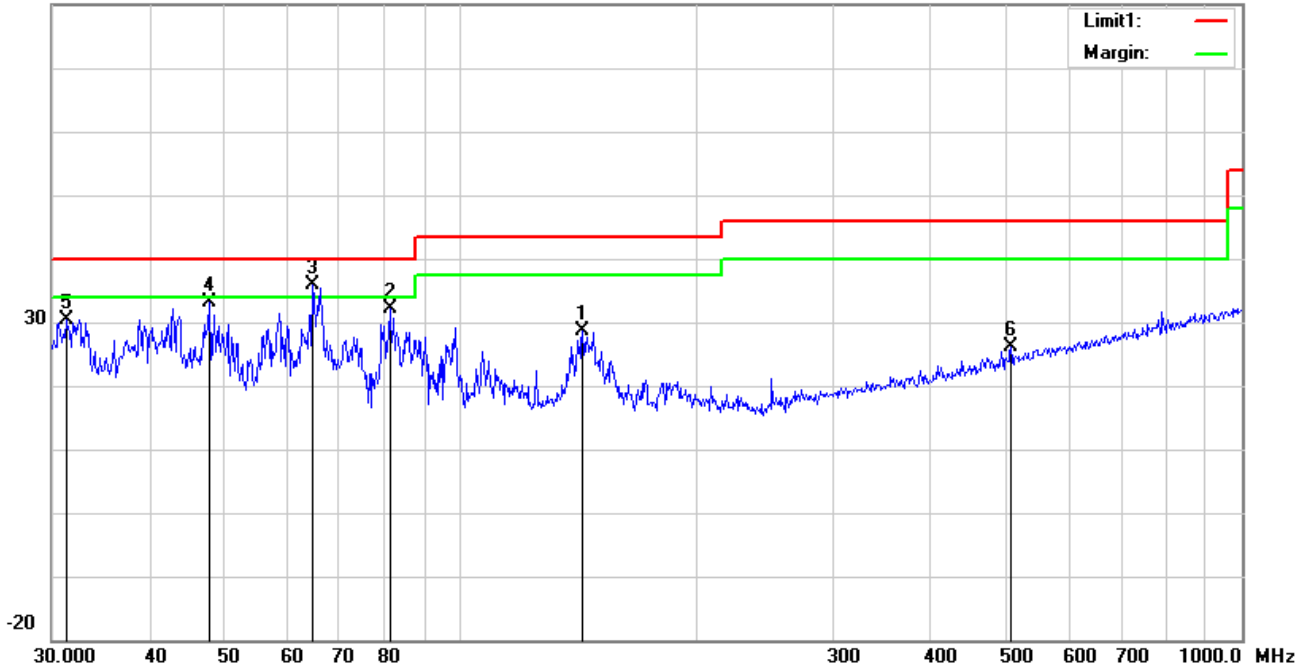
Test Data

Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
1	H	42.8998	33.14	peak	11.99	22.29	0.77	23.61	40.00	-16.39
2	H	71.3300	30.56	peak	7.77	22.39	0.97	16.91	40.00	-23.09
3	H	125.8864	27.81	peak	13.52	22.37	1.18	20.14	43.50	-23.36
4	H	254.7284	30.81	peak	11.61	22.29	1.71	21.84	46.00	-24.16
5	H	539.4775	28.00	peak	18.25	21.72	2.47	27.00	46.00	-19.00
6	H	916.0687	27.10	peak	22.58	20.85	3.10	31.93	46.00	-14.07

30MHz -1GHz

80.0 dBuV/m



Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
1	V	143.3261	37.17	peak	12.60	22.39	1.29	28.67	43.50	-14.83
2	V	81.2117	45.76	peak	7.65	22.41	1.05	32.05	40.00	-7.95
3	V	64.6594	49.77	peak	7.53	22.40	0.87	35.77	40.00	-4.23
4	V	47.6586	45.36	peak	9.43	22.34	0.78	33.23	40.00	-6.77
5	V	31.2893	31.63	peak	20.41	22.27	0.66	30.43	40.00	-9.57
6	V	506.4791	27.66	peak	17.79	21.80	2.43	26.08	46.00	-19.92

Above 1GHz

Test Mode:	Transmitting Mode
------------	-------------------

Frequency (MHz)	Meter Reading (dBμV)	Antenna Factor (dB)	Cable loss (dB)	Preamp factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector (PK/AV)	Polarity (H/V)
Low Channel: GFSK Mode(Worst Case)-2402MHz									
2391.1	37.15	28.72	3.36	26.32	42.91	74	-31.09	peak	Vertical
4805	28.15	32.94	3.98	27.49	37.58	54	-16.42	Average	Vertical
4805	36.09	32.94	3.98	27.49	45.52	74	-28.48	peak	Vertical
7206	29.56	25.28	5.51	27.94	32.41	54	-21.59	Average	Vertical
7206	39.18	25.28	5.51	27.94	42.03	74	-31.97	peak	Vertical
2391.1	38.69	28.72	3.36	26.32	44.45	74	-29.55	peak	Horizontal
4805	31.23	32.94	3.98	27.49	40.66	54	-13.34	Average	Horizontal
4805	40.18	32.94	3.98	27.49	49.61	74	-24.39	peak	Horizontal
7206	31.67	25.28	5.51	27.94	34.52	54	-19.48	Average	Horizontal
7206	40.27	25.28	5.51	27.94	43.12	74	-30.88	peak	Horizontal
Middle Channel: GFSK Mode(Worst Case)-2441MHz									
4881.7	30.26	32.11	4.04	27.53	38.88	54	-15.12	Average	Vertical
4881.7	36.89	32.11	4.04	27.53	45.51	74	-28.49	peak	Vertical
7325	30.12	24.33	5.58	27.96	32.07	54	-21.93	Average	Vertical
7325	38.67	24.33	5.58	27.96	40.62	74	-33.38	peak	Vertical
4881.7	29.37	32.11	4.04	27.53	37.99	54	-16.01	Average	Horizontal
4881.7	40.19	32.11	4.04	27.53	48.81	74	-25.19	peak	Horizontal
7325	33.29	24.33	5.58	27.96	35.24	54	-18.76	Average	Horizontal
7325	39.05	24.33	5.58	27.96	41.00	74	-33.00	peak	Horizontal
High Channel: GFSK Mode(Worst Case)-2480MHz									
2483.5	37.87	28.79	3.48	26.34	43.80	74	-30.20	peak	Vertical
4959.2	30.27	31.32	4.12	27.58	38.13	54	-15.87	Average	Vertical
4959.2	38.96	31.32	4.12	27.58	46.82	74	-27.18	peak	Vertical
7439.8	29.29	24.38	5.68	27.99	31.36	54	-22.64	Average	Vertical
7439.8	41.79	24.38	5.68	27.99	43.86	74	-30.14	peak	Vertical
2483.5	39.56	28.79	3.48	26.34	45.49	74	-28.51	peak	Horizontal
4959.2	28.37	31.32	4.12	27.58	36.23	54	-17.77	Average	Horizontal
4959.2	39.68	31.32	4.12	27.58	47.54	74	-26.46	peak	Horizontal
7439.8	32.54	24.38	5.68	27.99	34.61	54	-19.39	Average	Horizontal
7439.8	40.26	24.38	5.68	27.99	42.33	74	-31.67	peak	Horizontal

Note:

- 1, The testing has been conformed to 10*2480MHz=24,800MHz
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.
- 4, The radiated spurious test above 18GHz is subcontracted to SIEMIC (Nanjing-China) Laboratories. and found 30dB below the limit at least.

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted					
EMI test receiver	ESCS30	8471241027	09/15/2017	09/14/2018	☒
Line Impedance	LI-125A	191106	09/23/2017	09/22/2018	☒
Line Impedance	LI-125A	191107	09/23/2017	09/22/2018	☒
ISN	ISN T800	34373	09/23/2017	09/22/2018	☐
Transient Limiter	LIT-153	531118	08/30/2017	08/29/2018	☐
RF conducted test					
Agilent ESA-E SERIES	E4407B	MY45108319	09/15/2017	09/14/2018	☒
Power Splitter	1#	1#	08/30/2017	08/29/2018	☒
DC Power Supply	E3640A	MY40004013	09/15/2017	09/14/2018	☒
Radiated Emissions					
EMI test receiver	ESL6	100262	09/15/2017	09/14/2018	☒
Positioning Controller	UC3000	MF780208282	11/17/2017	11/16/2018	☒
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/30/2017	08/29/2018	☒
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/22/2018	03/21/2019	☒
Horn Antenna	BBHA9170	3145226D1	09/27/2017	09/26/2018	☒
Active Antenna (9kHz-30MHz)	AL-130	121031	10/12/2017	10/11/2018	☒
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/19/2017	09/18/2018	☒
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/22/2017	09/21/2018	☒
Universal Radio Communication Tester	CMU200	121393	09/23/2017	09/22/2018	☒

Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo

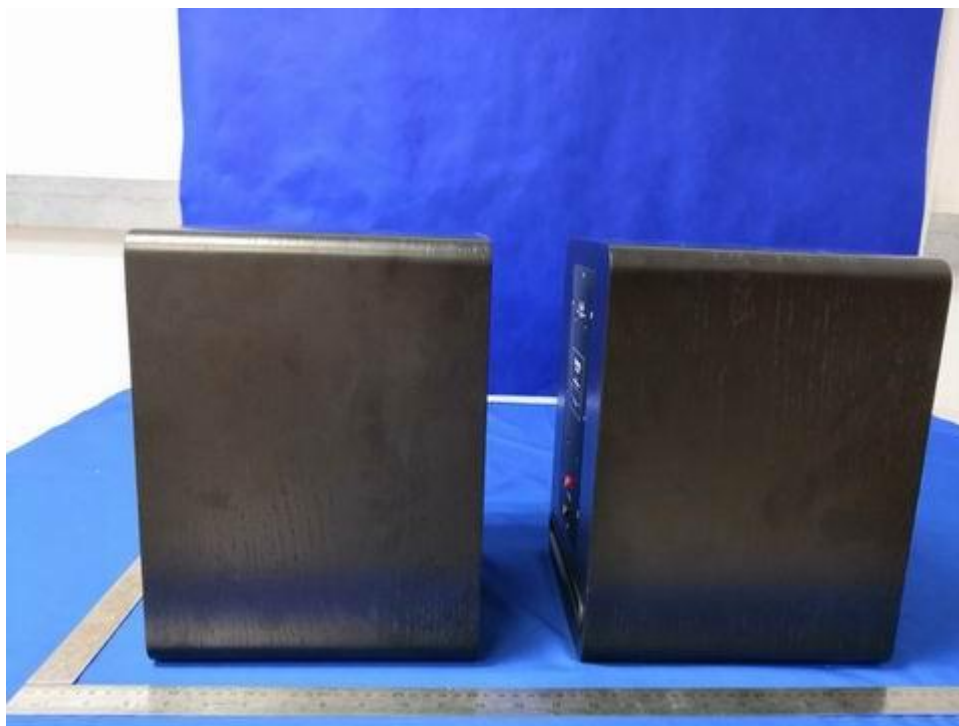
Whole Package View



EUT - Front View



EUT - Rear View



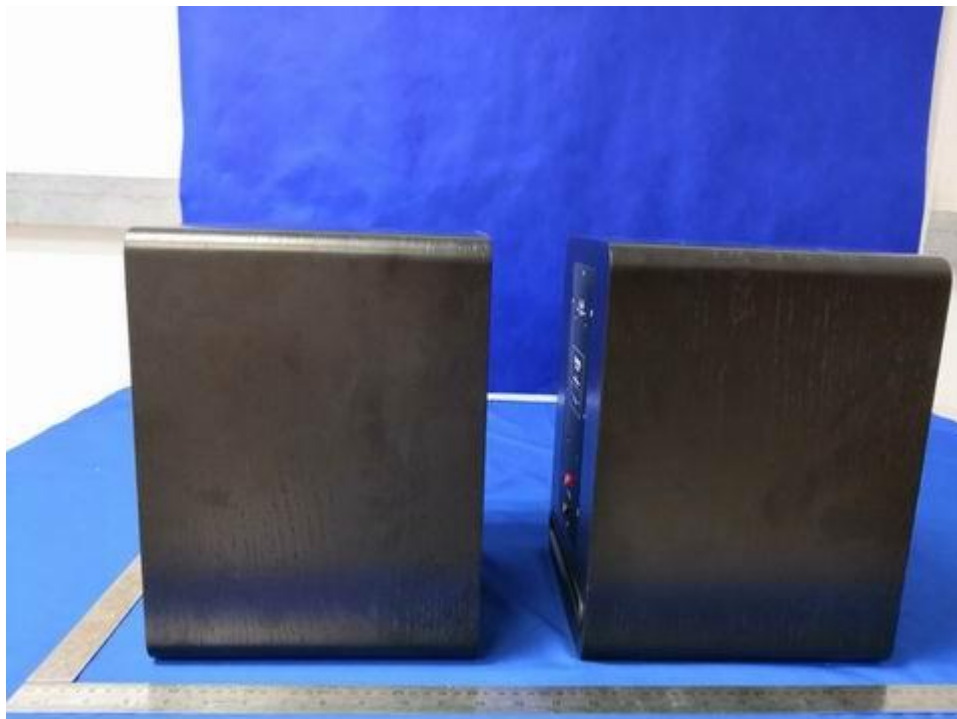
EUT - Top View



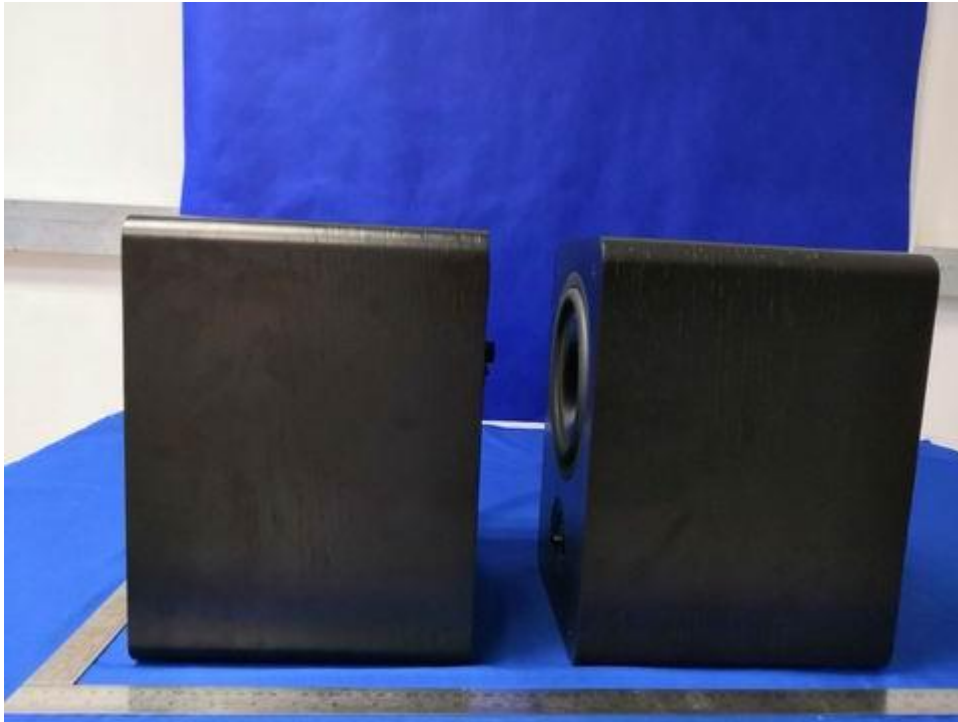
EUT - Bottom View



EUT - Left View



EUT - Right View

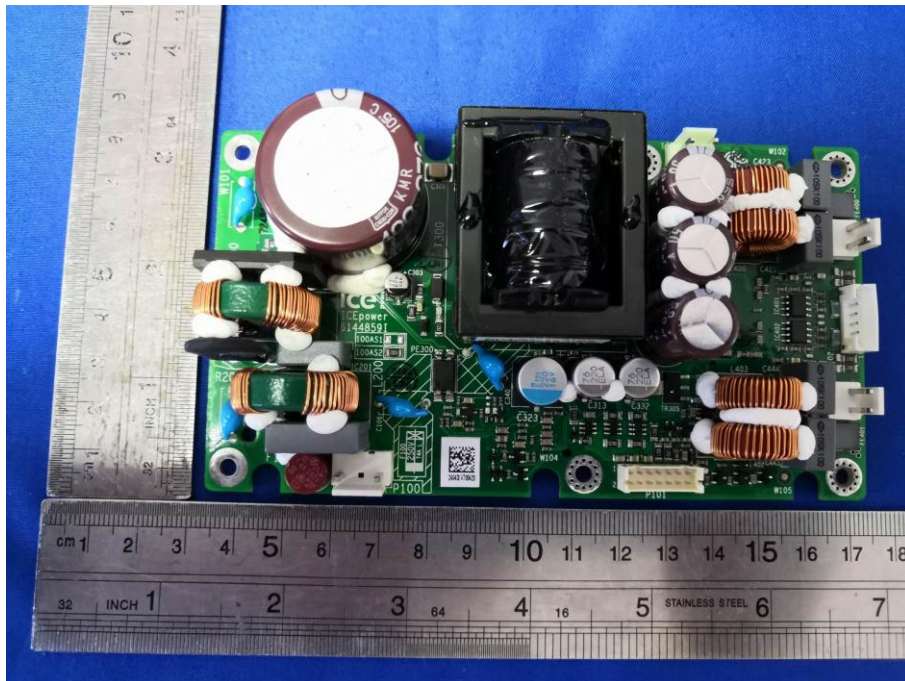


Annex B.ii. Photograph: EUT Internal Photo

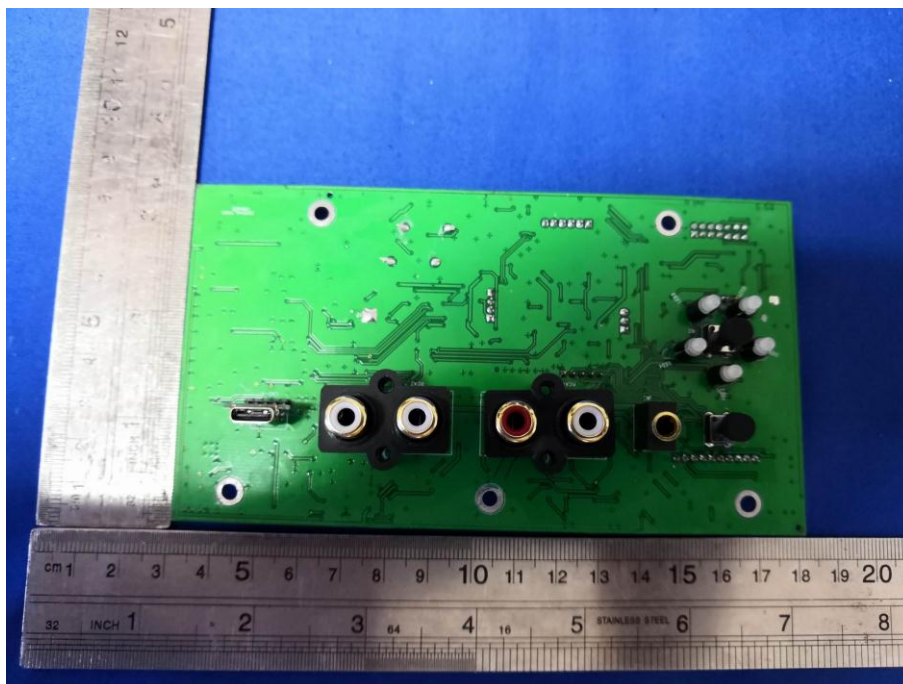
Cover Off - Top View



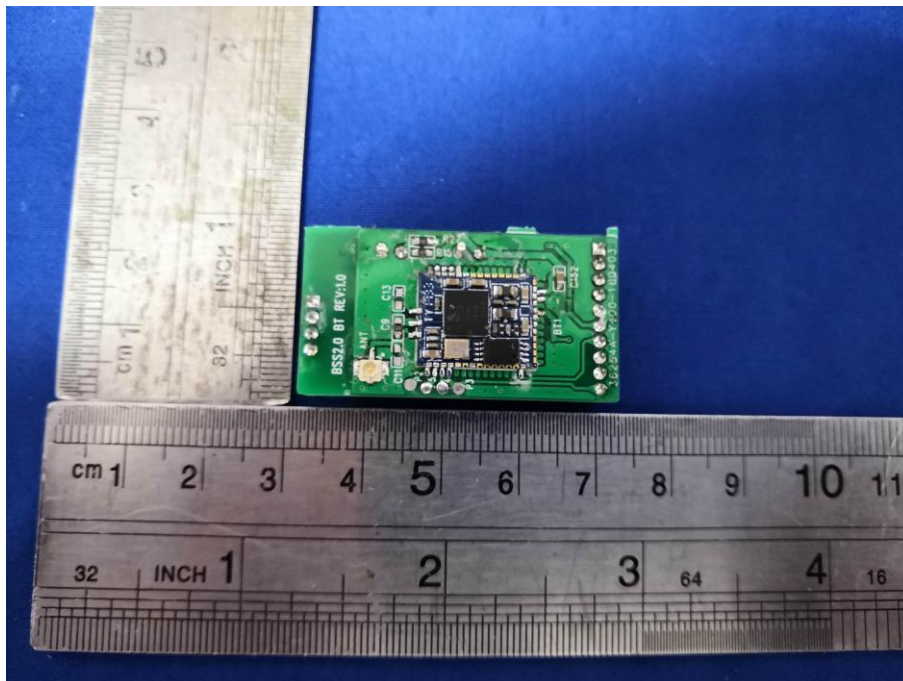
Mainboard - Front View



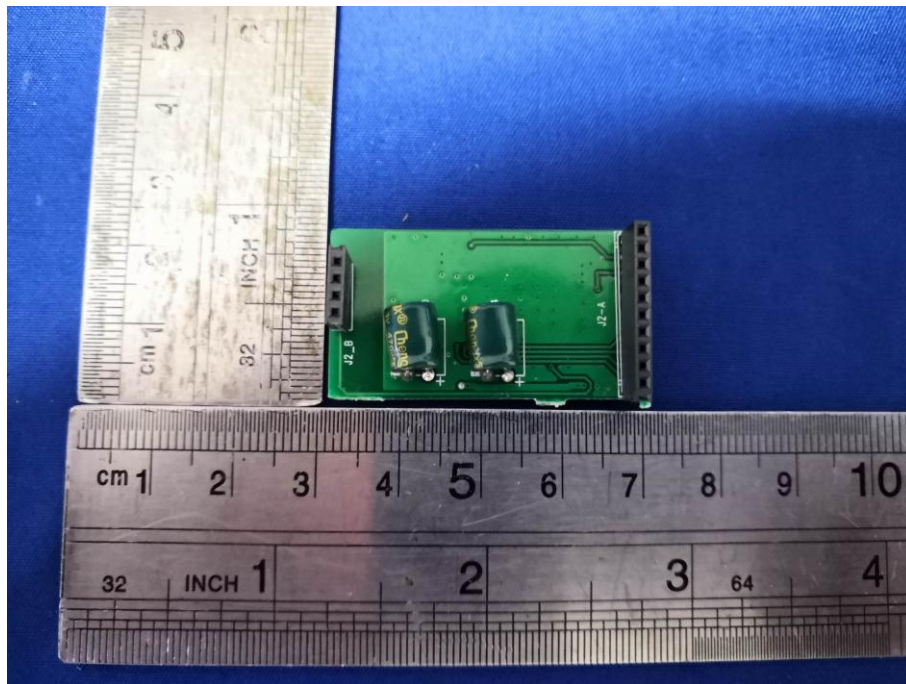
Small board 1 – Rear View



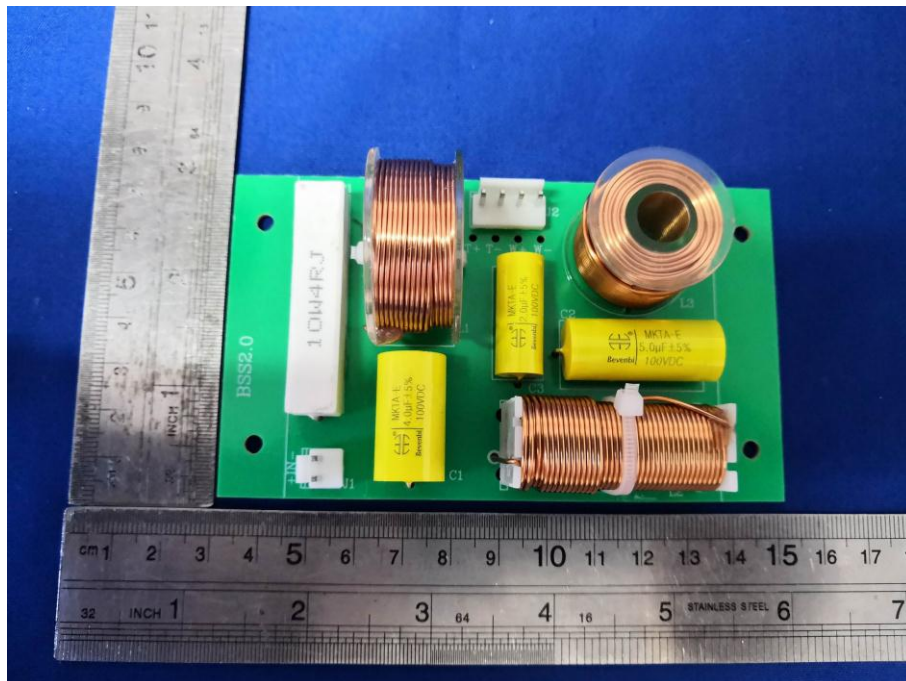
Small board 2- Front View



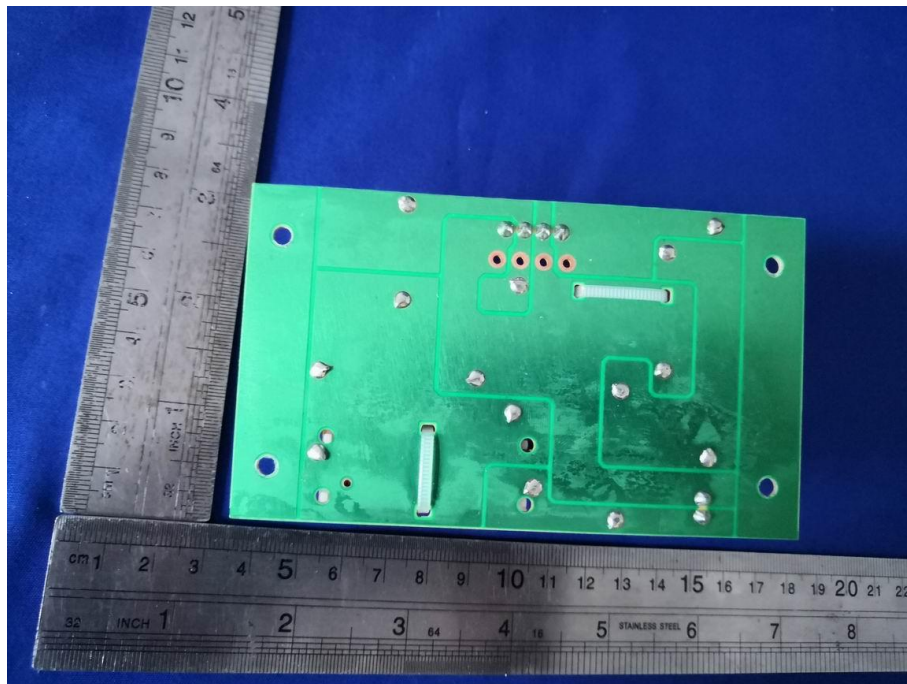
Small board 2- Rear View



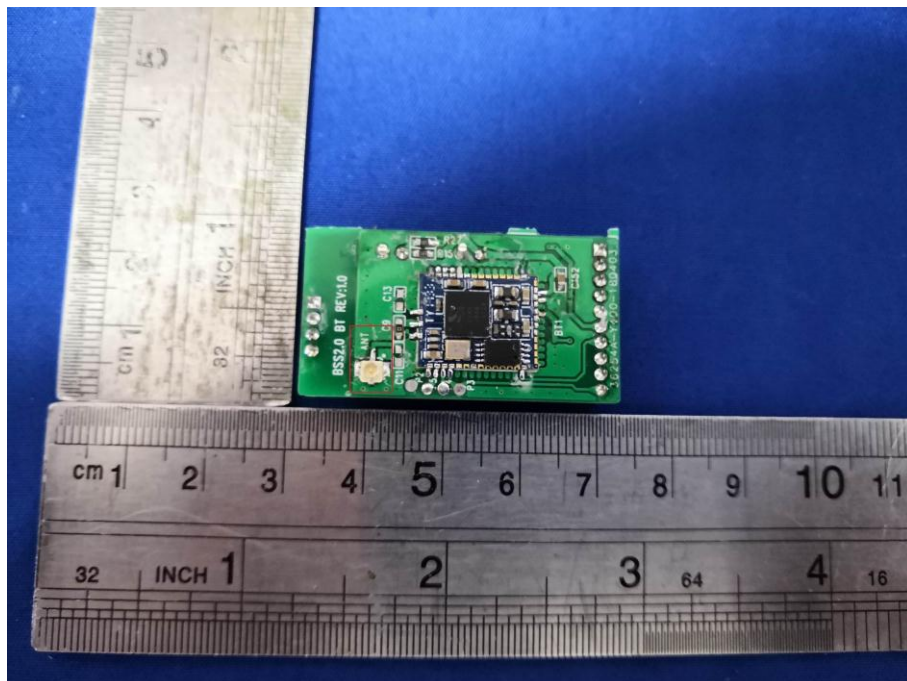
Small board 3- Front View



Small board 3- Rear View



BT - Antenna View



Annex B.iii. Photograph: Test Setup Photo



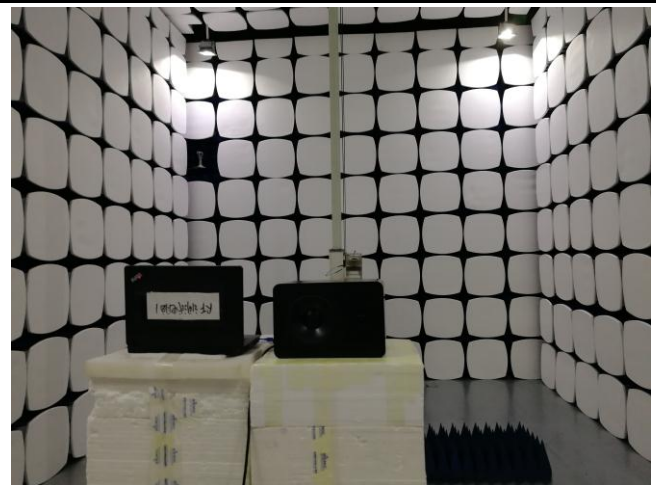
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz

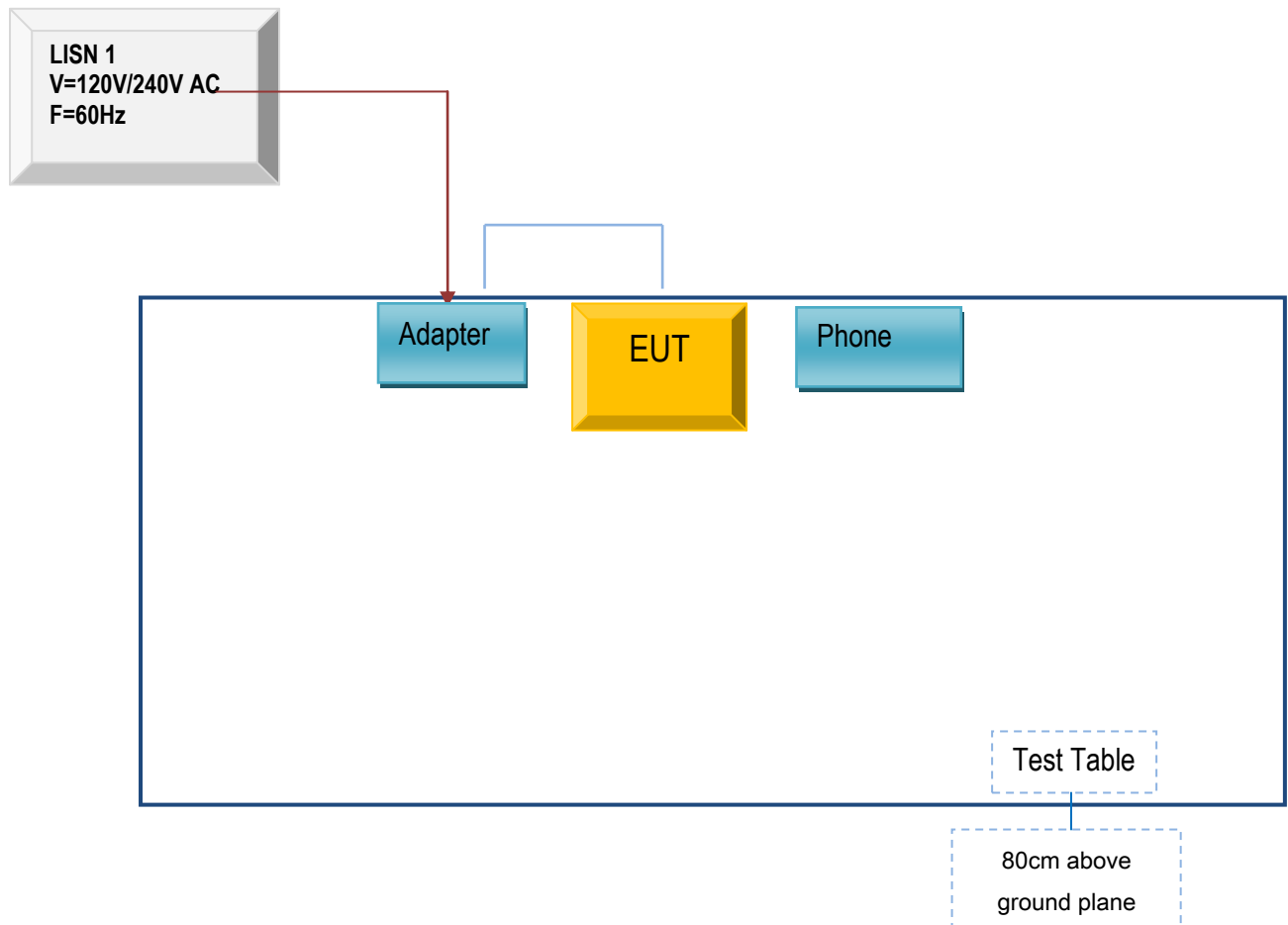


Radiated Spurious Emissions Test Setup Above
1GHz

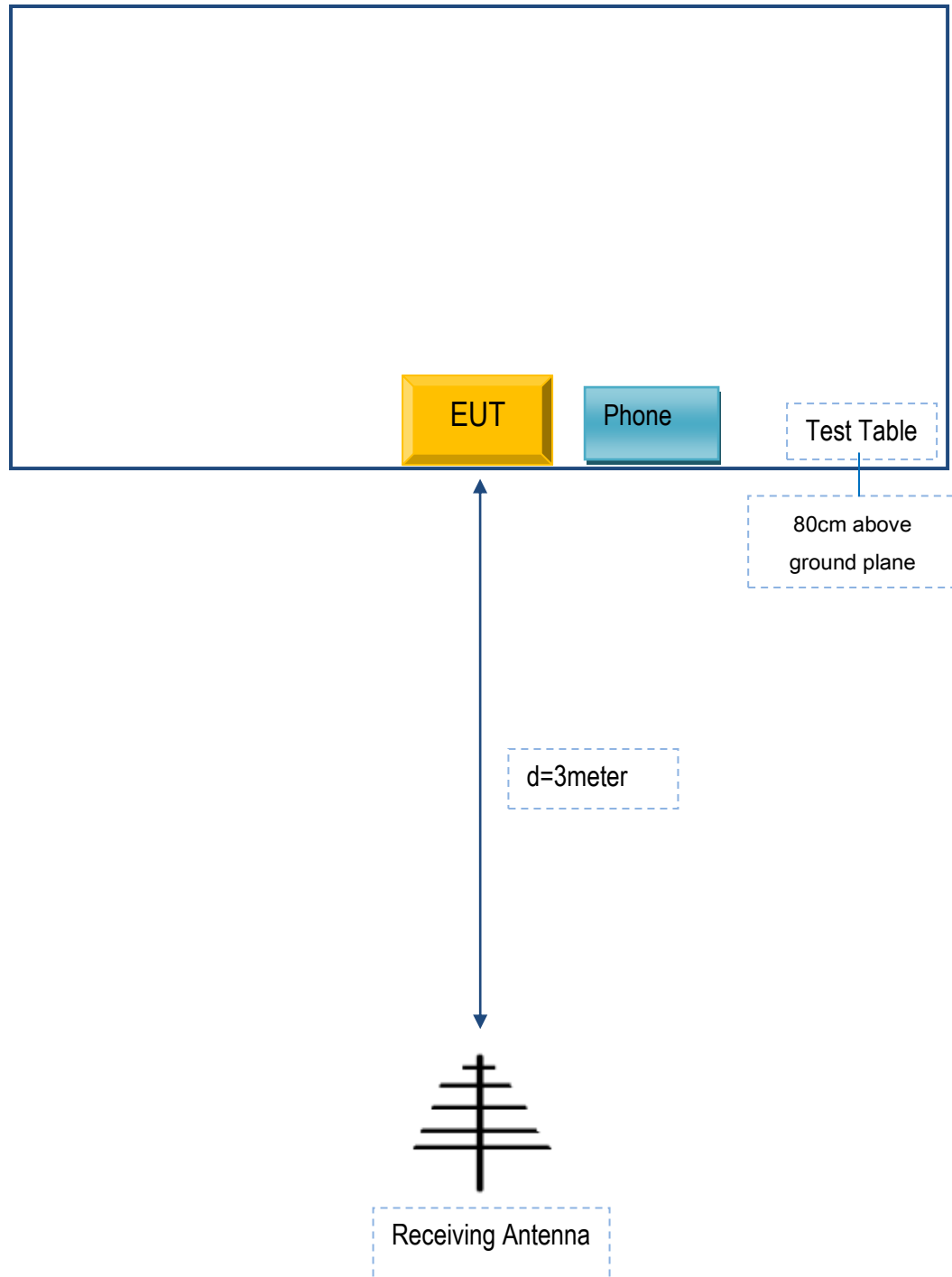
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

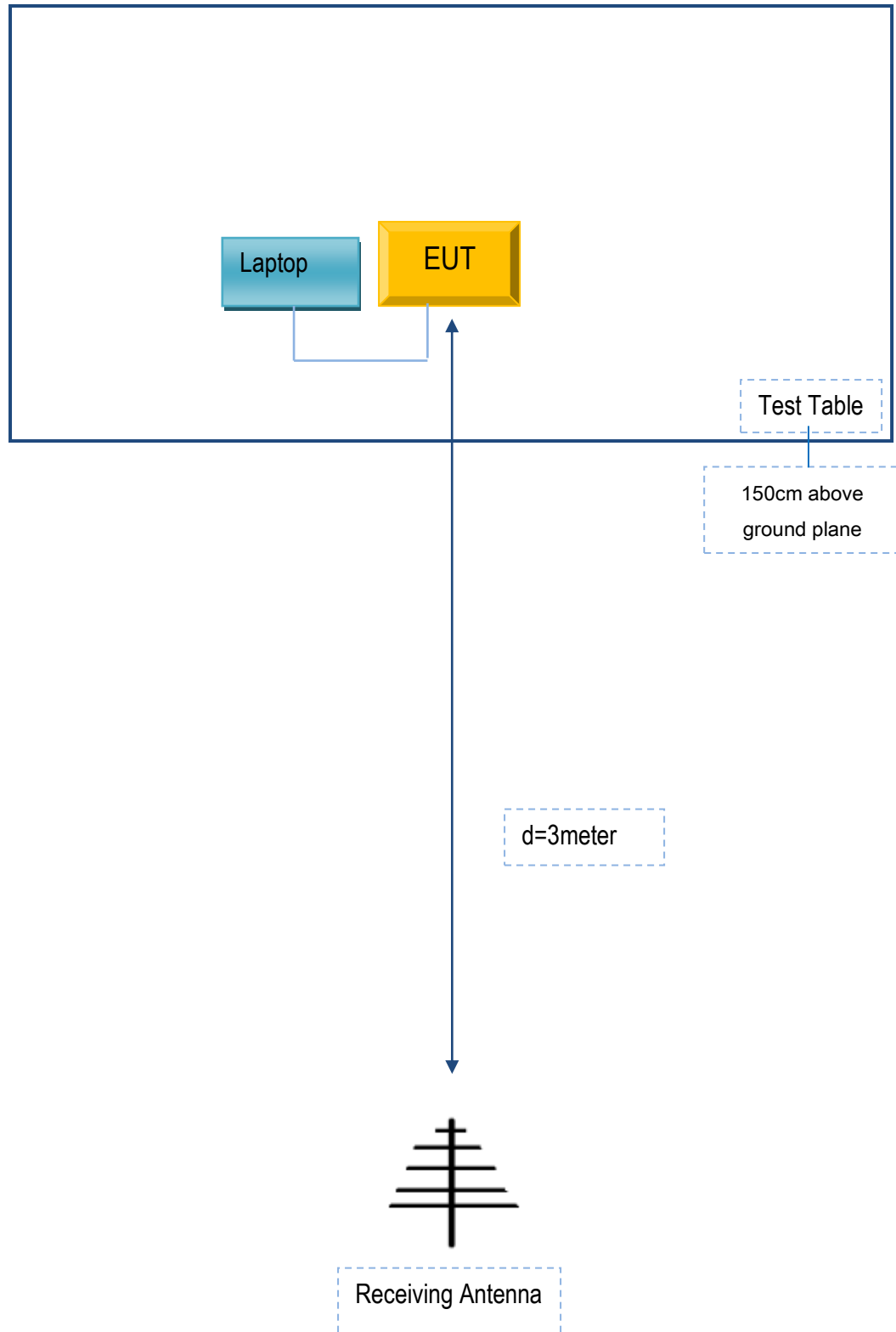
Block Configuration Diagram for AC Line Conducted Emissions



Block Configuration Diagram for Radiated Emissions (Below 1GHz) .



Block Configuration Diagram for Radiated Emissions (Above 1GHz) .



Annex C. ii. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Supporting Equipment:

Manufacturer	Equipment Description	Model	Serial No
Lenovo	Laptop	E40	LR-1EHRX
Huawei	Phone	Honor 9	N/A

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
Power Line	Un-shielding	No	0.8m	N/A

Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see the attachment

Annex E. DECLARATION OF SIMILARITY

N/A