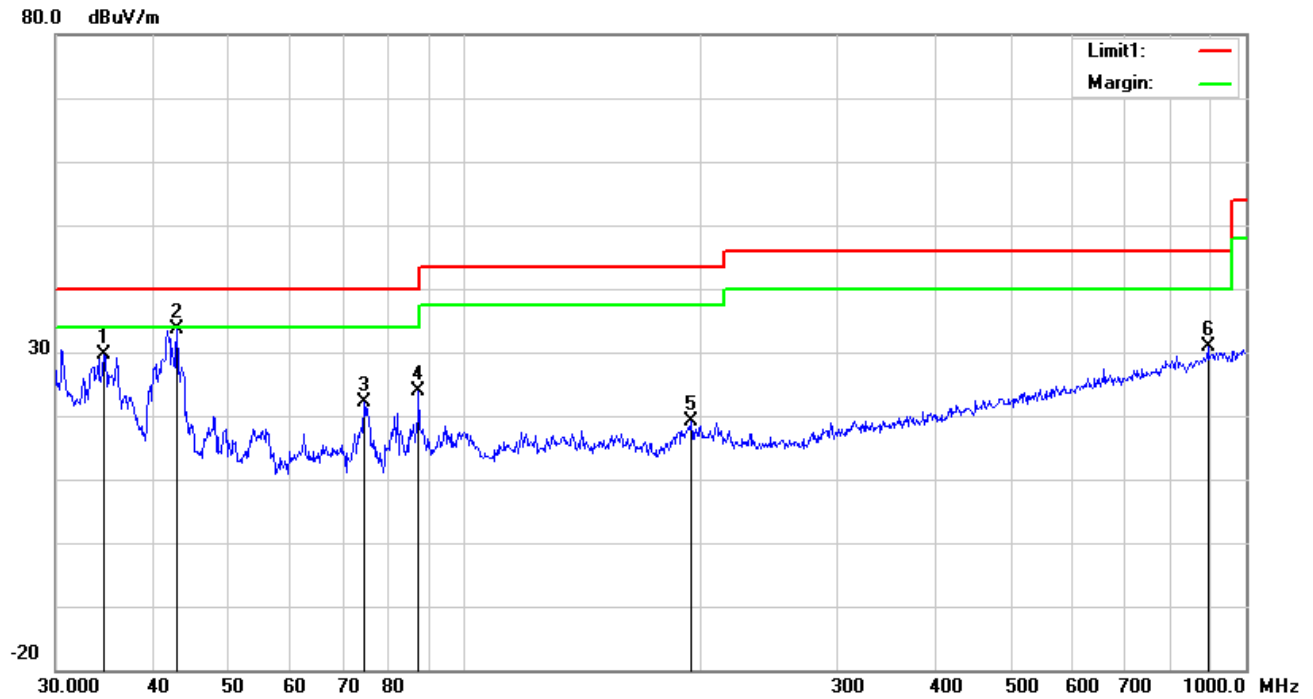


Test Mode: Transmitting Mode

30MHz -1GHz



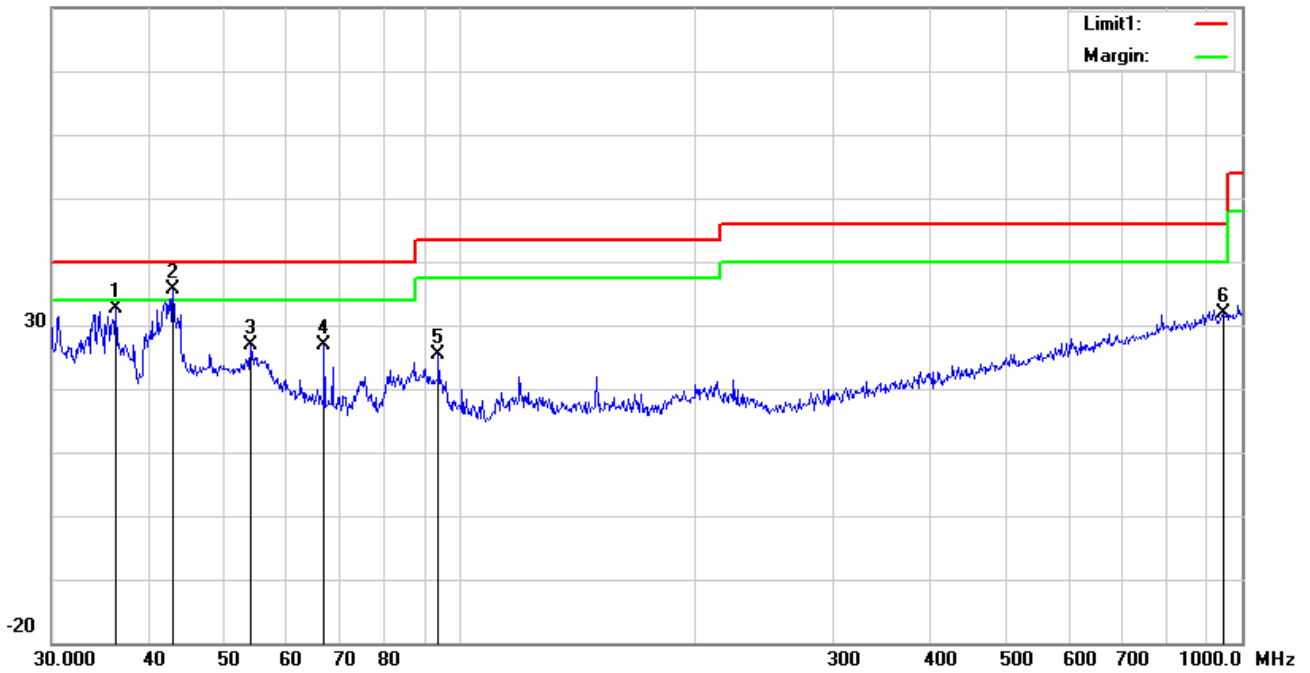
Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detect or	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degr ee
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	H	34.5173	33.17	peak	17.92	22.25	0.75	29.59	40.00	-10.41	100	99
2	H	42.8998	43.09	QP	11.99	22.29	0.77	33.56	40.00	-6.44	100	106
3	H	74.3955	35.98	peak	7.71	22.40	0.96	22.25	40.00	-17.75	100	34
4	H	87.4177	37.34	peak	7.90	22.35	1.01	23.90	40.00	-16.10	100	170
5	H	195.1365	28.03	peak	11.83	22.35	1.54	19.05	43.50	-24.45	100	124
6	H	893.8567	26.34	peak	22.43	20.90	3.05	30.92	46.00	-15.08	100	23

30MHz -1GHz

80.0 dBuV/m



Test Data

Horizontal Polarity Plot @3m

N o.	P/ L	Frequency (MHz)	Reading (dBuV/m)	Detect or	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degr ee ()
1	V	36.2541	37.48	peak	16.63	22.26	0.77	32.62	40.00	-7.38	100	157
2	V	42.8998	45.08	QP	11.99	22.29	0.77	35.55	40.00	-4.45	100	18
3	V	53.8818	40.47	peak	7.97	22.39	0.78	26.83	40.00	-13.17	100	39
4	V	66.9669	40.73	peak	7.65	22.39	0.92	26.91	40.00	-13.09	100	227
5	V	93.7685	37.72	peak	8.90	22.32	0.98	25.28	43.50	-18.22	100	146
6	V	945.4399	26.81	peak	22.73	20.79	3.16	31.91	46.00	-14.09	100	117

Above 1GHz

Test Mode:	Transmitting Mode
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Low Channel (2412 MHz) (b mode worst case)

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4824	38.46	AV	V	33.39	7.22	48.46	30.61	54	-23.39
4824	38.87	AV	H	33.39	7.22	48.46	31.02	54	-22.98
4824	47.59	PK	V	33.39	7.22	48.46	39.74	74	-34.26
4824	46.99	PK	H	33.39	7.22	48.46	39.14	74	-34.86
9400	24.2	AV	V	39.58	9.73	46.84	26.67	54	-27.33
9400	23.08	AV	H	39.58	9.73	46.84	25.55	54	-28.45
9400	40.44	PK	V	39.58	9.73	46.84	42.91	74	-31.09
9400	38.58	PK	H	39.58	9.73	46.84	41.05	74	-32.95

Middle Channel (2437 MHz) (b mode worst case)

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4874	38.34	AV	V	33.62	7.53	48.36	31.13	54	-22.87
4874	39.33	AV	H	33.62	7.53	48.36	32.12	54	-21.88
4874	48.07	PK	V	33.62	7.53	48.36	40.86	74	-33.14
4874	47.97	PK	H	33.62	7.53	48.36	40.76	74	-33.24
13925	23.65	AV	V	40.34	12.81	46.37	30.43	54	-23.57
13925	22.89	AV	H	40.34	12.81	46.37	29.67	54	-24.33
13925	40.25	PK	V	40.34	12.81	46.37	47.03	74	-26.97
13925	39.13	PK	H	40.34	12.81	46.37	45.91	74	-28.09

High Channel (2462 MHz) (b mode worst case)

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4924	39.28	AV	V	33.74	7.78	48.34	32.46	54	-21.54
4924	39.45	AV	H	33.74	7.78	48.34	32.63	54	-21.37
4924	47.14	PK	V	33.74	7.78	48.34	40.32	74	-33.68
4924	47.99	PK	H	33.74	7.78	48.34	41.17	74	-32.83
17920	23.13	AV	V	43.21	19.44	44.4	41.38	54	-12.62
17920	23.11	AV	H	43.21	19.44	44.4	41.36	54	-12.64
17920	39.93	PK	V	43.21	19.44	44.4	58.18	74	-15.82
17920	39.01	PK	H	43.21	19.44	44.4	57.26	74	-16.74

Note:

- 1, The testing has been conformed to $10 \times 2462 \text{ MHz} = 24,620 \text{ MHz}$
- 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.

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted					
EMI test receiver	ESCS30	8471241027	09/16/2016	09/15/2017	☒
Line Impedance	LI-125A	191106	09/24/2016	09/23/2017	☒
Line Impedance	LI-125A	191107	09/24/2016	09/23/2017	☒
ISN	ISN T800	34373	09/24/2016	09/23/2017	☒
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/23/2016	09/22/2017	☒
Transient Limiter	LIT-153	531118	08/31/2016	08/30/2017	☒
RF conducted test					
Agilent ESA-E SERIES	E4407B	MY45108319	09/16/2016	09/15/2017	☒
Power Splitter	1#	1#	08/31/2016	08/30/2017	☒
DC Power Supply	E3640A	MY40004013	09/16/2016	09/15/2017	☒
Radiated Emissions					
EMI test receiver	ESL6	100262	09/16/2016	09/15/2017	☒
Positioning Controller	UC3000	MF780208282	11/18/2016	11/17/2017	☒
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/31/2016	08/30/2017	☒
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/23/2017	03/22/2018	☒
Active Antenna (9kHz-30MHz)	AL-130	121031	10/13/2016	10/12/2017	☒
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/20/2016	09/19/2017	☒
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/23/2016	09/22/2017	☒
Universal Radio Communication Tester	CMU200	121393	09/24/2016	09/23/2017	☒

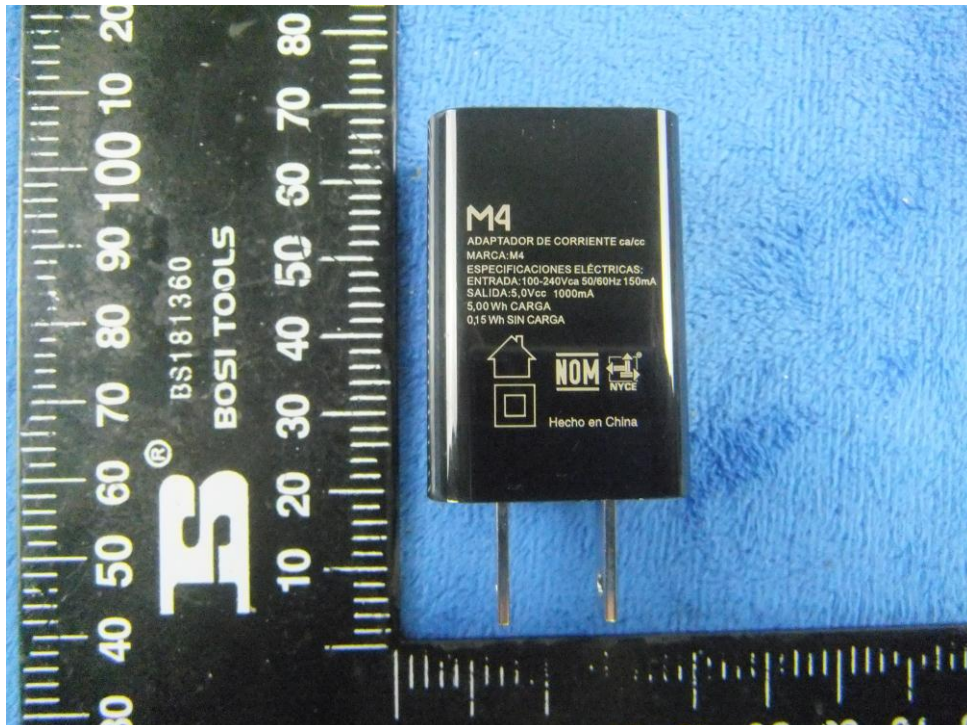
Annex B. EUT and Test Setup Photographs

Annex B.i. Photograph: EUT External Photo

Whole Package View



Adapter - Label View



EUT - Front View



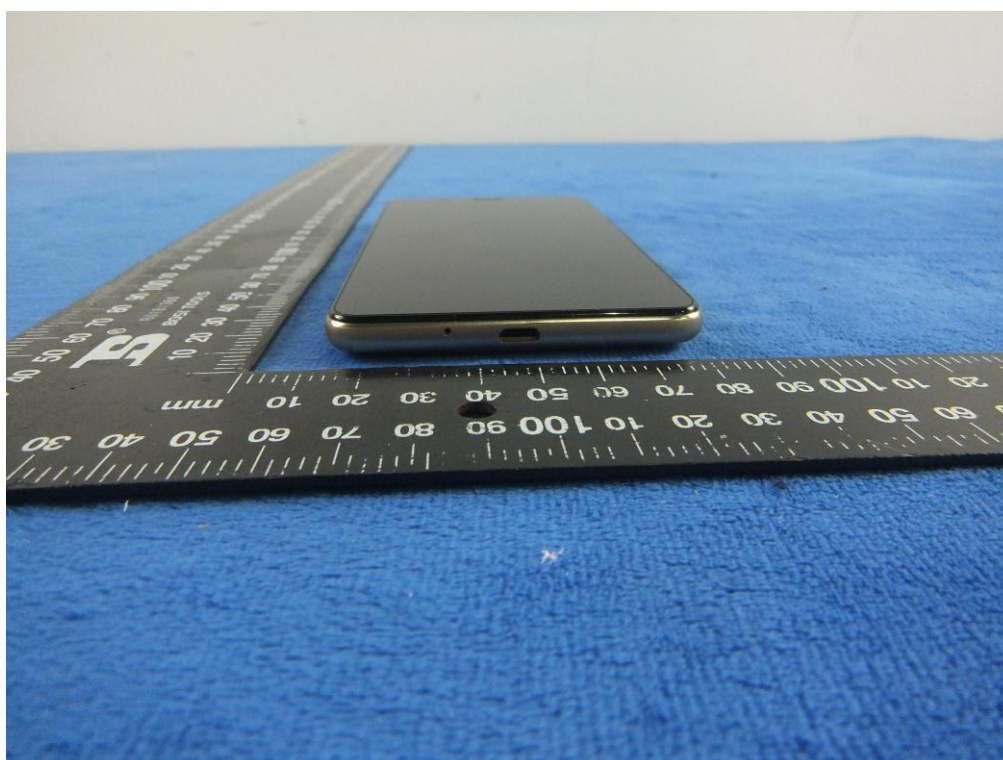
EUT - Rear View



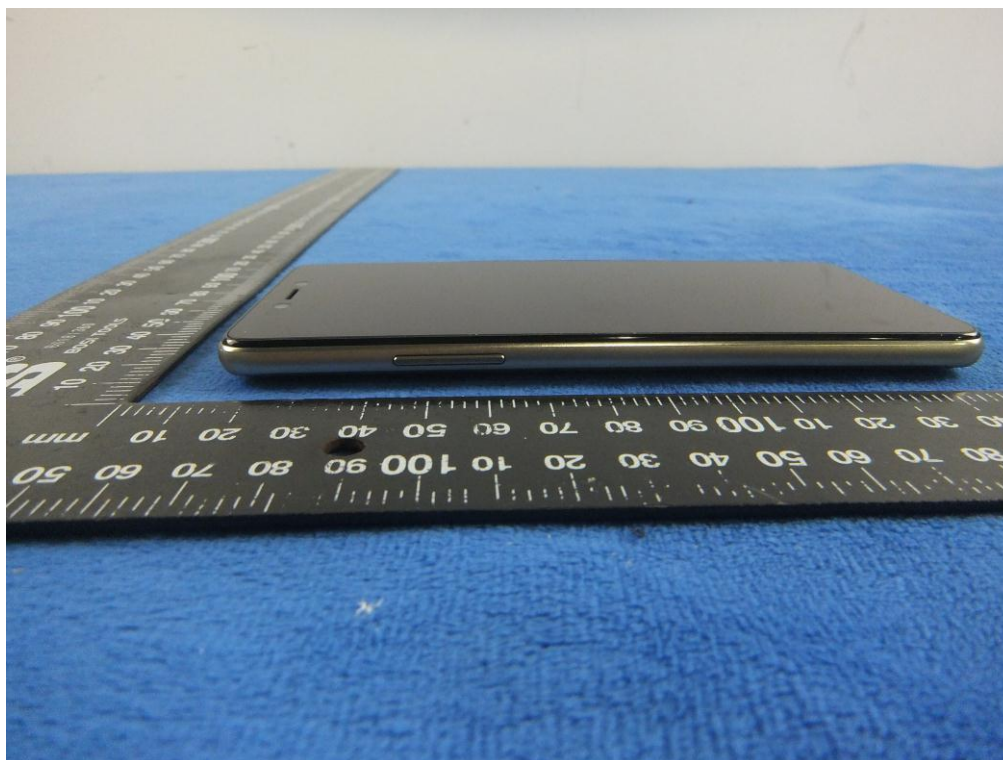
EUT - Top View



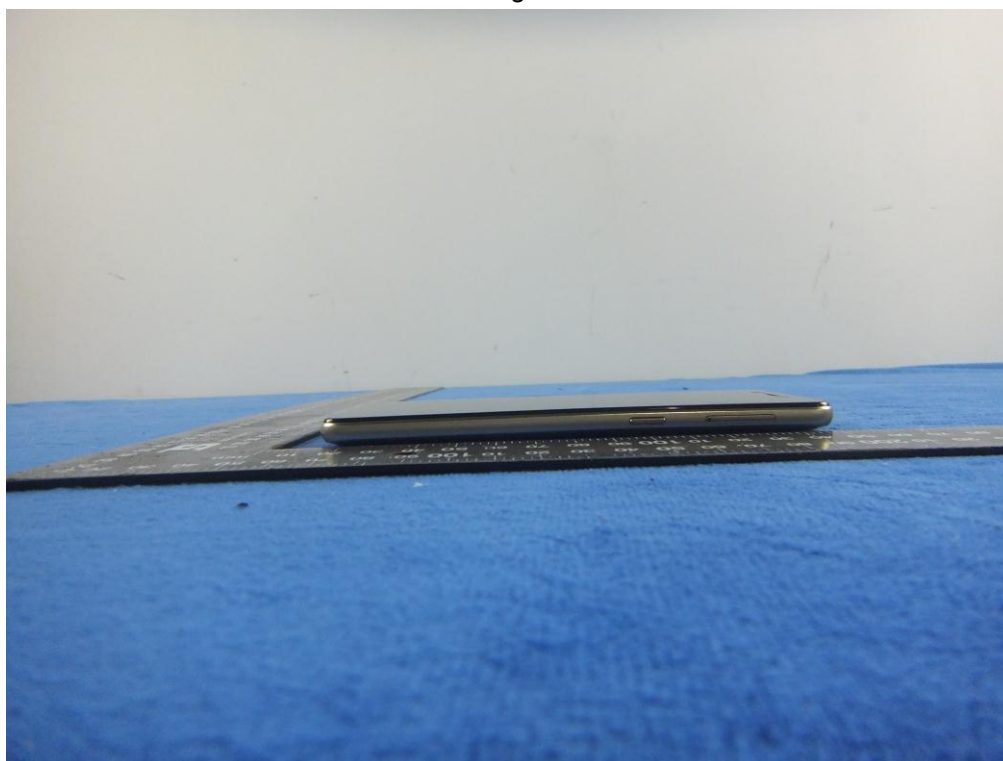
EUT - Bottom View



EUT - Left View



EUT - Right View



Annex B.ii. Photograph: EUT Internal Photo

Cover Off - Top View 1



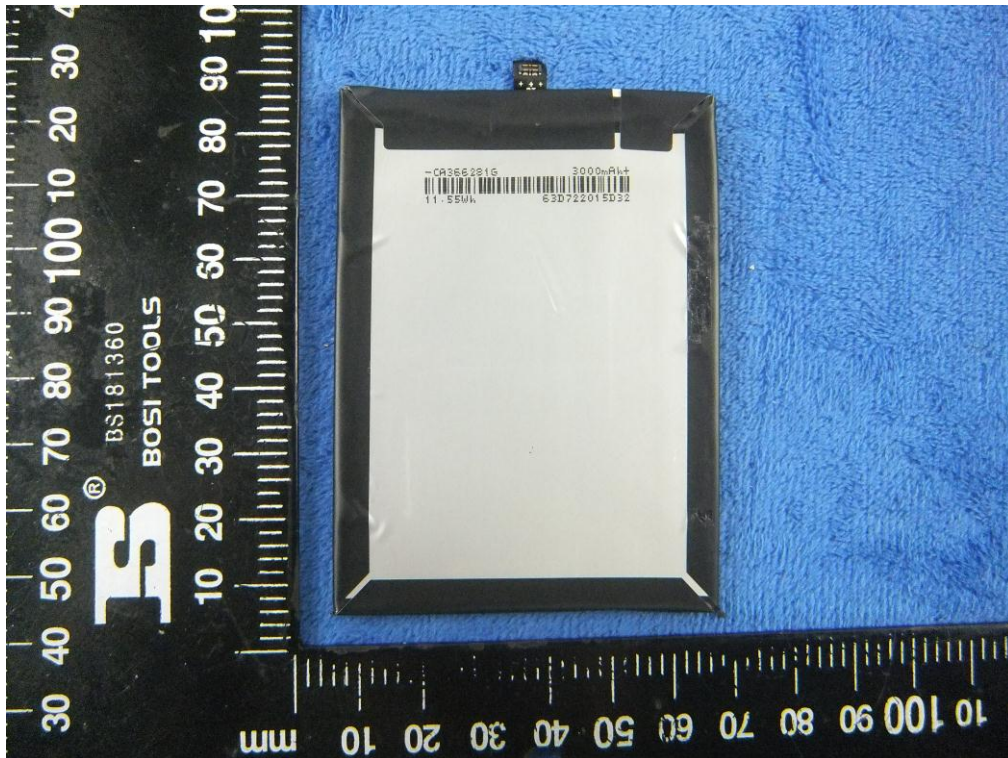
Cover Off - Top View 2



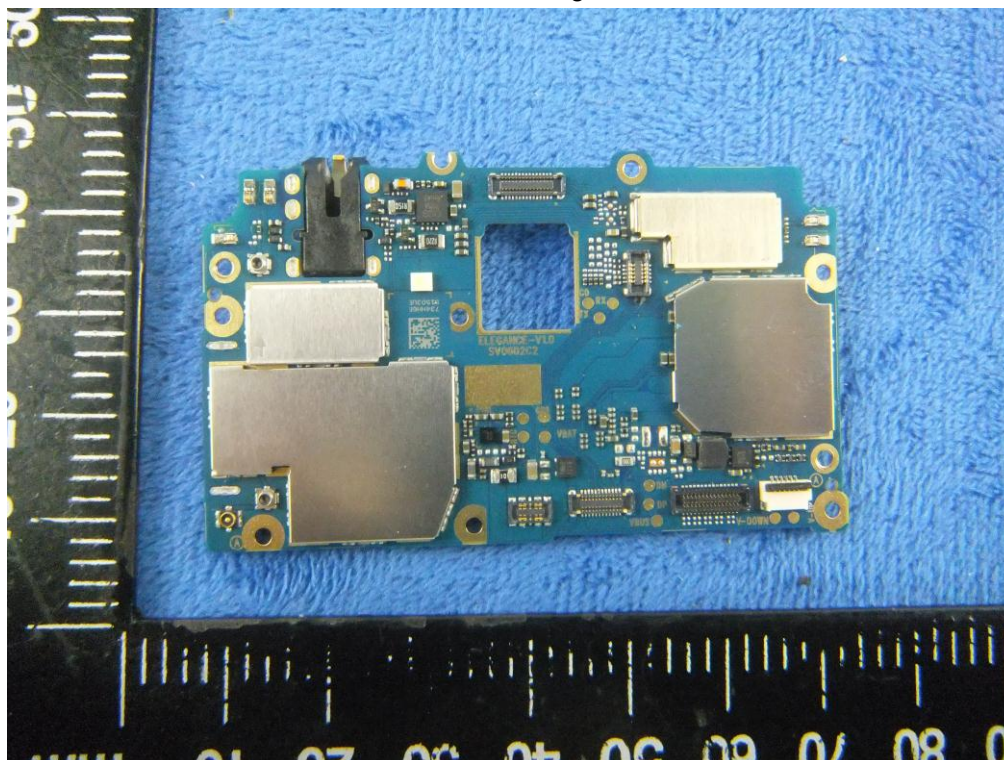
Battery - Front View



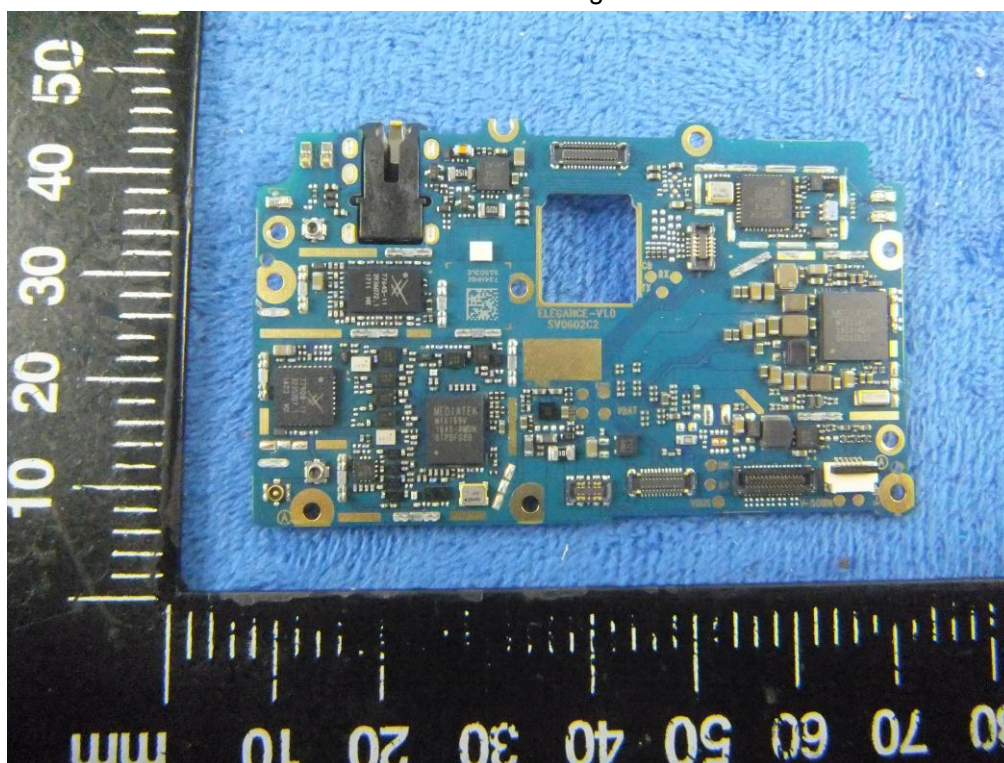
Battery - Rear View



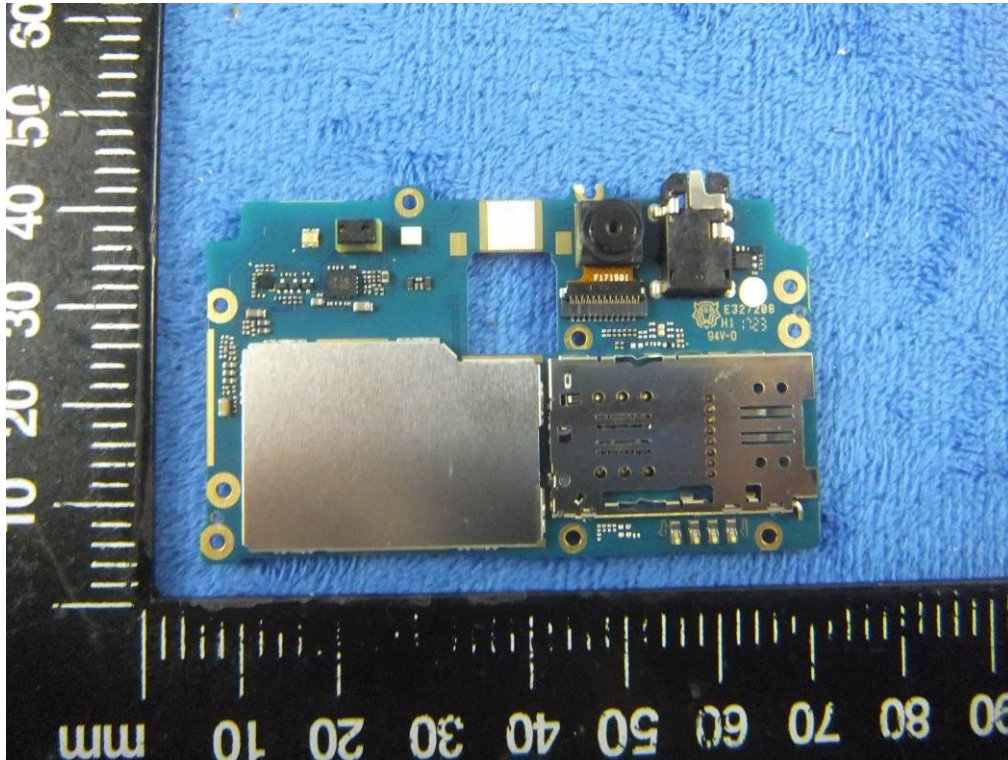
Mainboard with Shielding - Front View



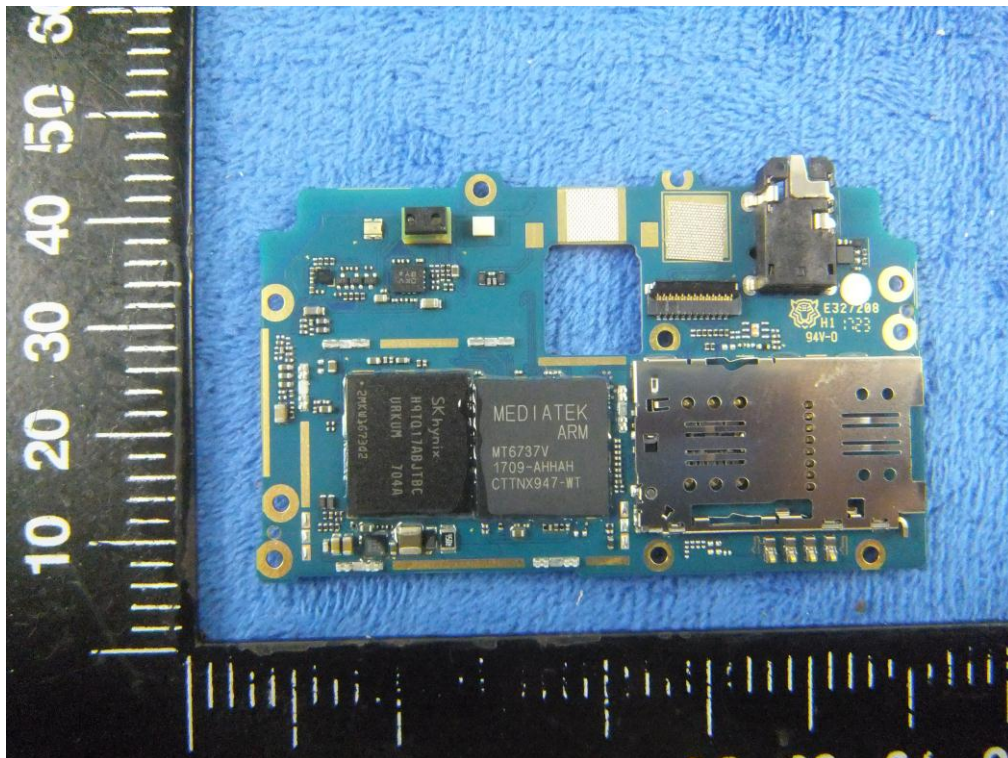
Mainboard without Shielding - Front View



Mainboard with Shielding – Rear View



Mainboard without Shielding – Rear View



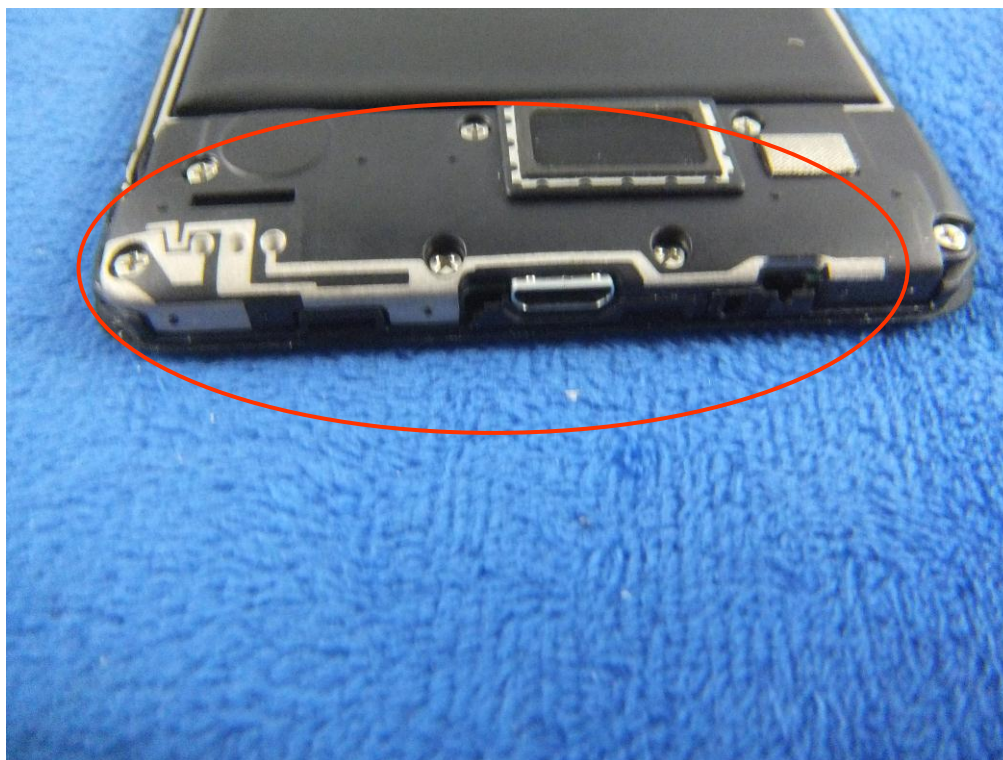
LCD – Front View



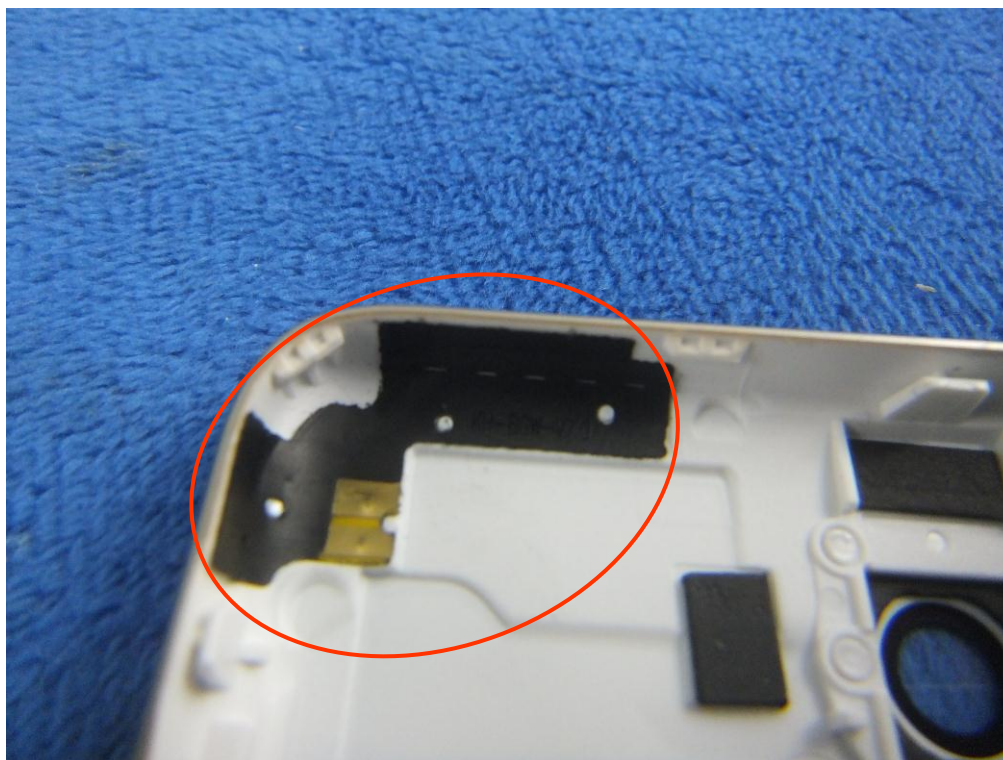
LCD – Rear View



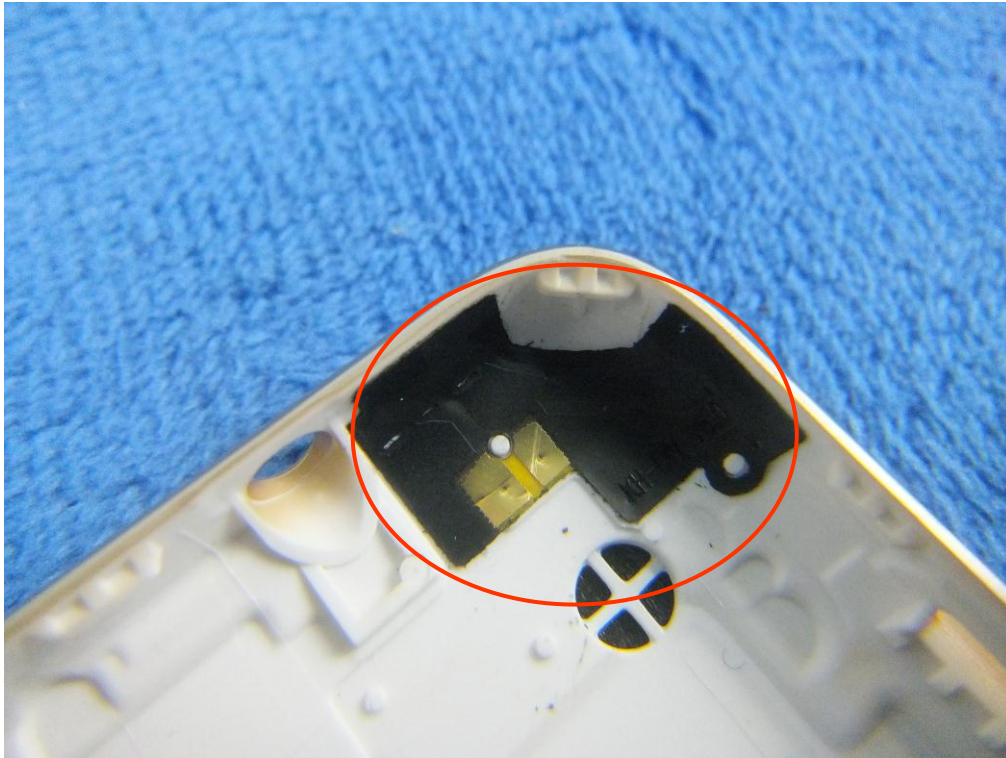
GSM/PCS/UMTS-FDD Antenna View



WIFI/BT/BLE - Antenna View



LTE - Antenna View



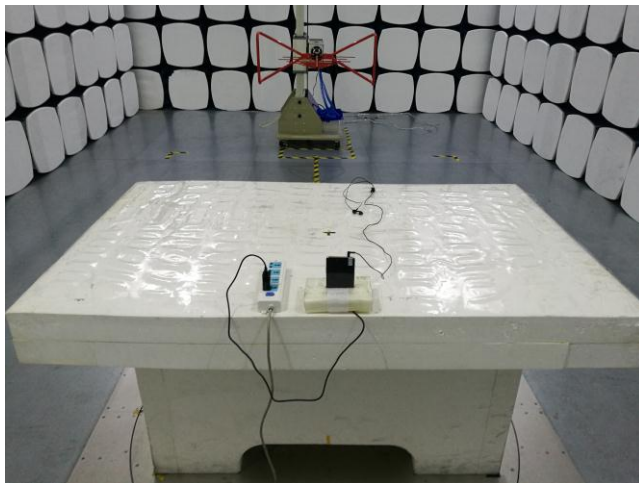
Annex B.iii. Photograph: Test Setup Photo



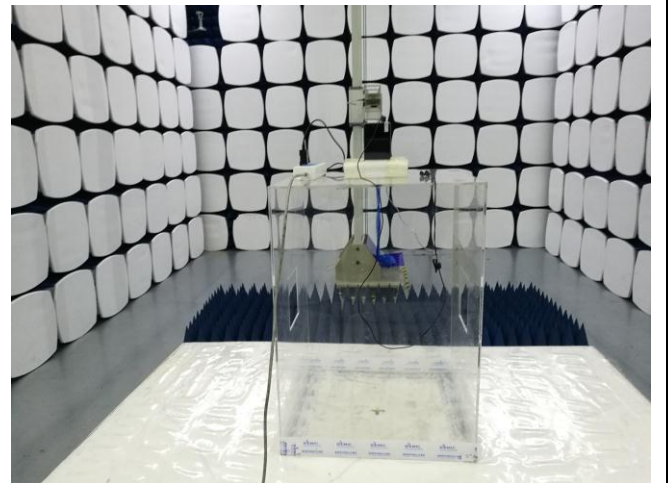
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz

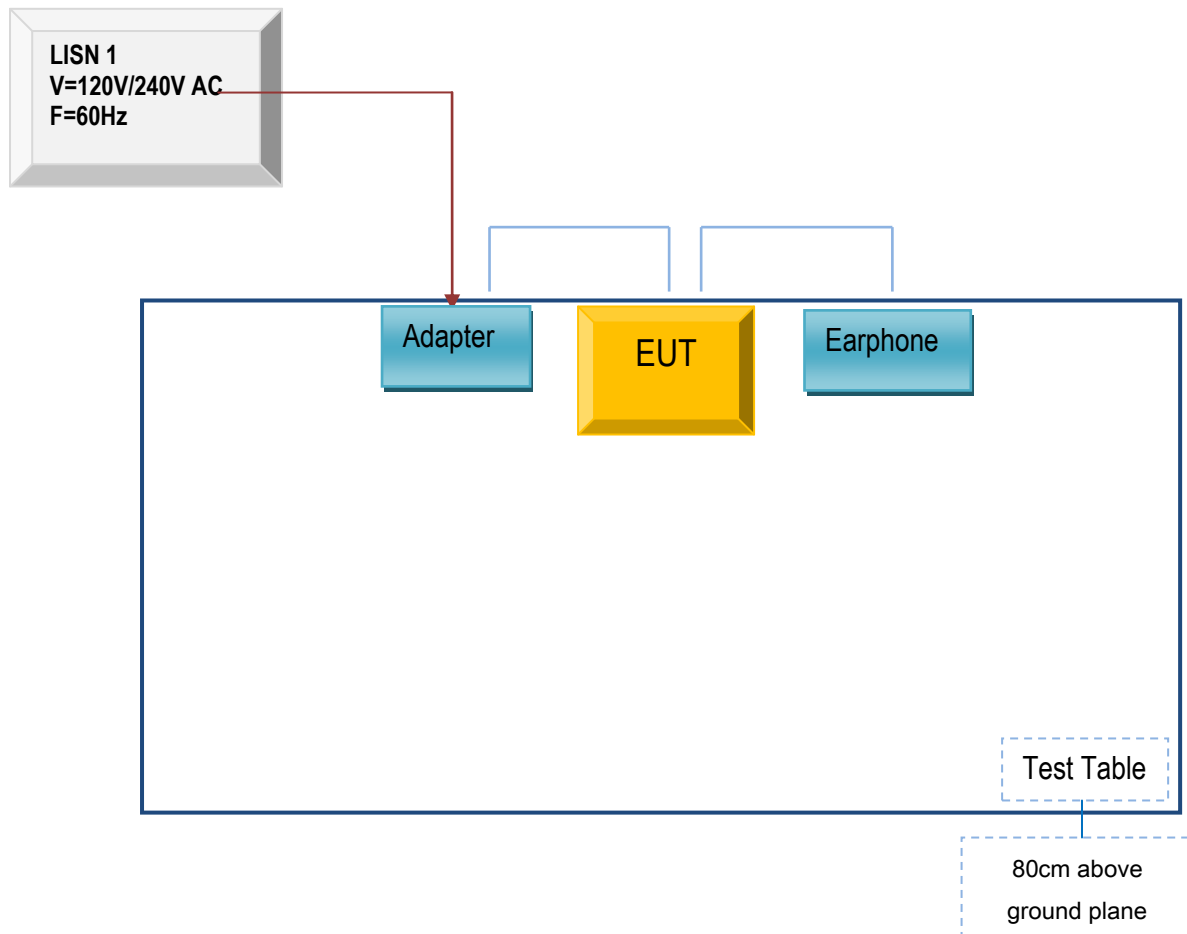


Radiated Spurious Emissions Test Setup Above
1GHz

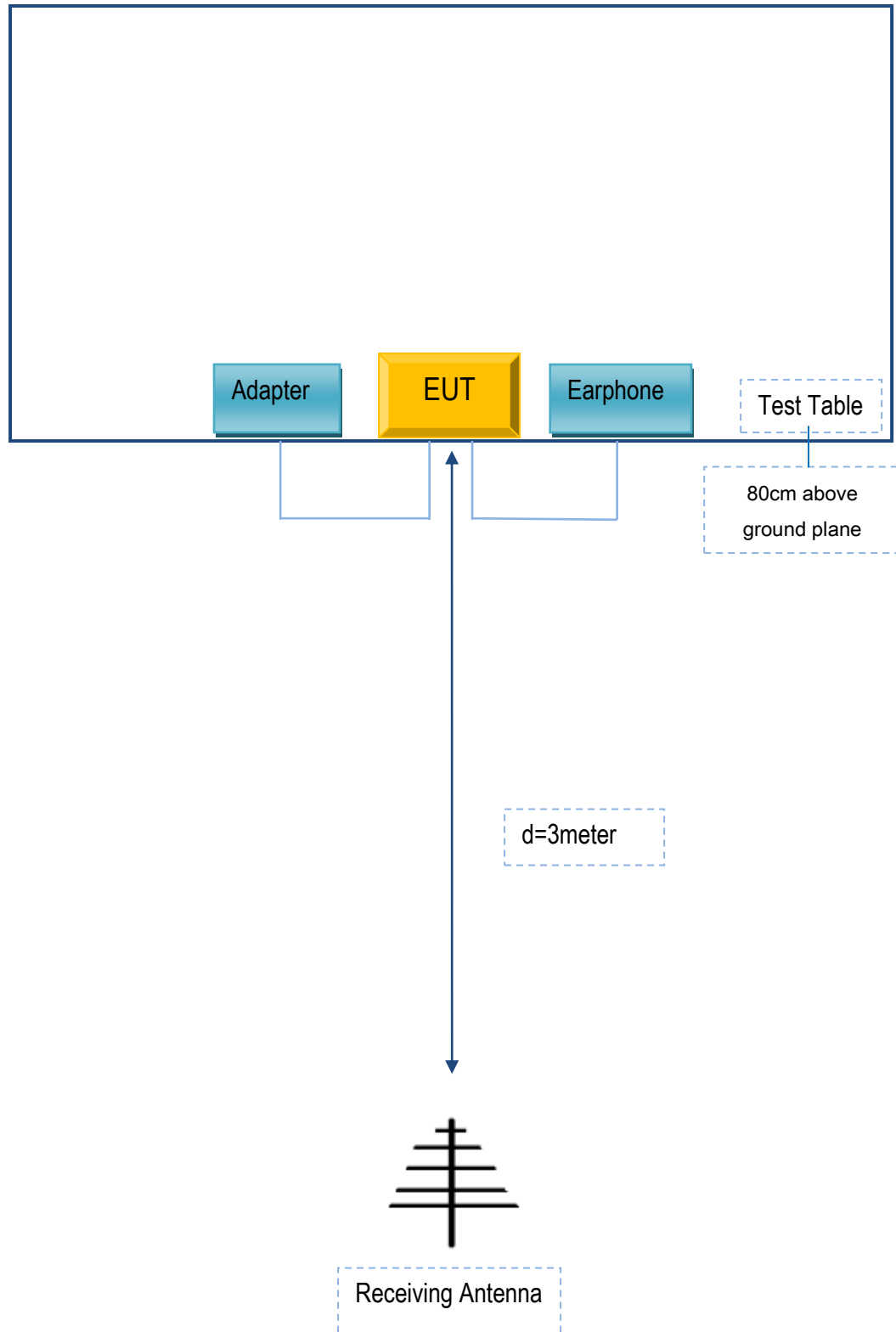
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

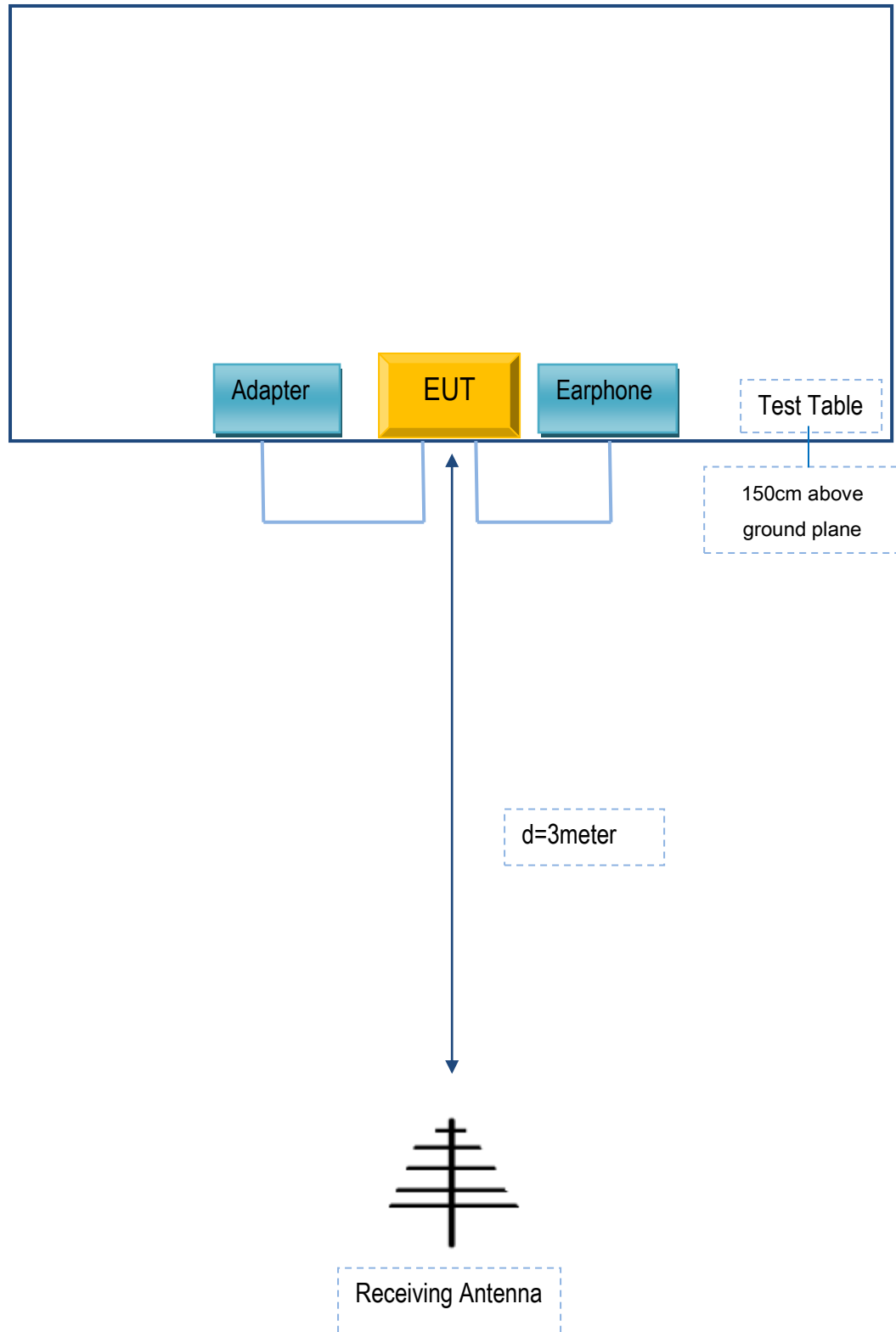
Block Configuration Diagram for AC Line Conducted Emissions



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
MFOURTEL MEXICO S.A. DE C.V.	Adapter	A8-501000	N/A
MFOURTEL MEXICO S.A. DE C.V.	Earphone	M4 SS4453-R	N/A

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB Cable	Un-shielding	No	0.8m	N/A
Earphone Cables	Un-shielding	No	0.5m	N/A

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

Please see the attachment

Annex E. DECLARATION OF SIMILARITY

N/A