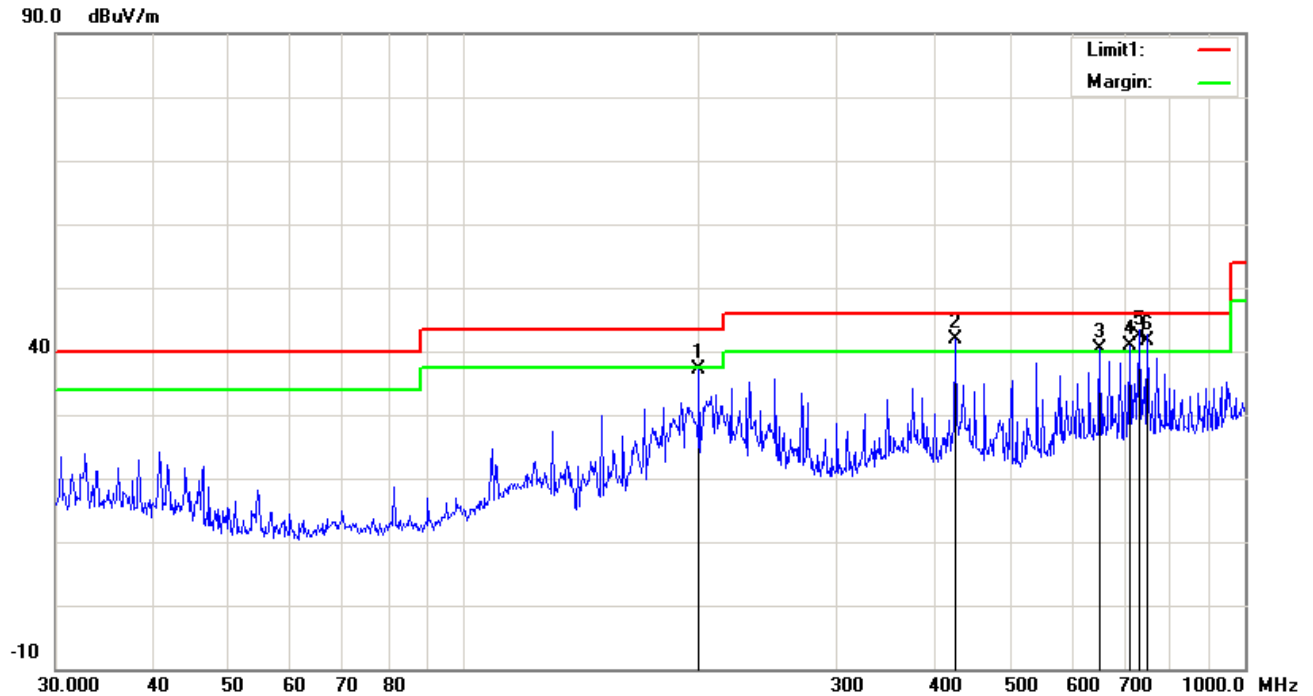


**Test Mode:** Transmitting BT Mode ( GFSK-Middle Channel )

### Below 1GHz



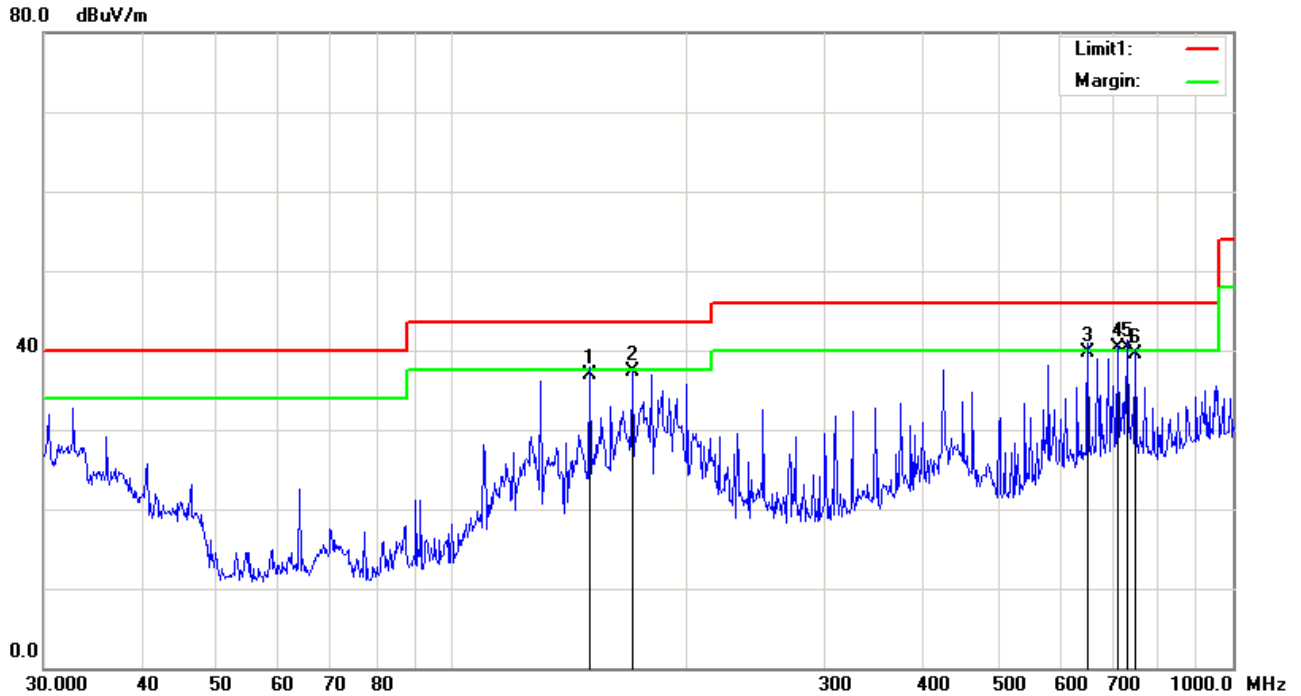
### Test Data

#### Horizontal Polarity Plot @3m

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	199.9856	68.72	peak	13.39	47.34	2.26	37.03	43.50	-6.47	200	227
2	425.0280	71.60	QP	16.00	49.09	3.31	41.82	46.00	-4.18	200	222
3	651.9417	62.68	QP	21.85	48.15	4.10	40.48	46.00	-5.52	300	249
4	711.6734	59.81	QP	22.47	45.60	4.29	40.97	46.00	-5.03	200	206
5	731.9203	60.75	QP	22.59	45.38	4.34	42.30	46.00	-3.70	200	201
6	750.1083	59.47	QP	22.70	45.02	4.40	41.55	46.00	-4.45	200	214

**Test Mode:** Transmitting BT Mode ( GFSK-Middle Channel )

### Below 1GHz

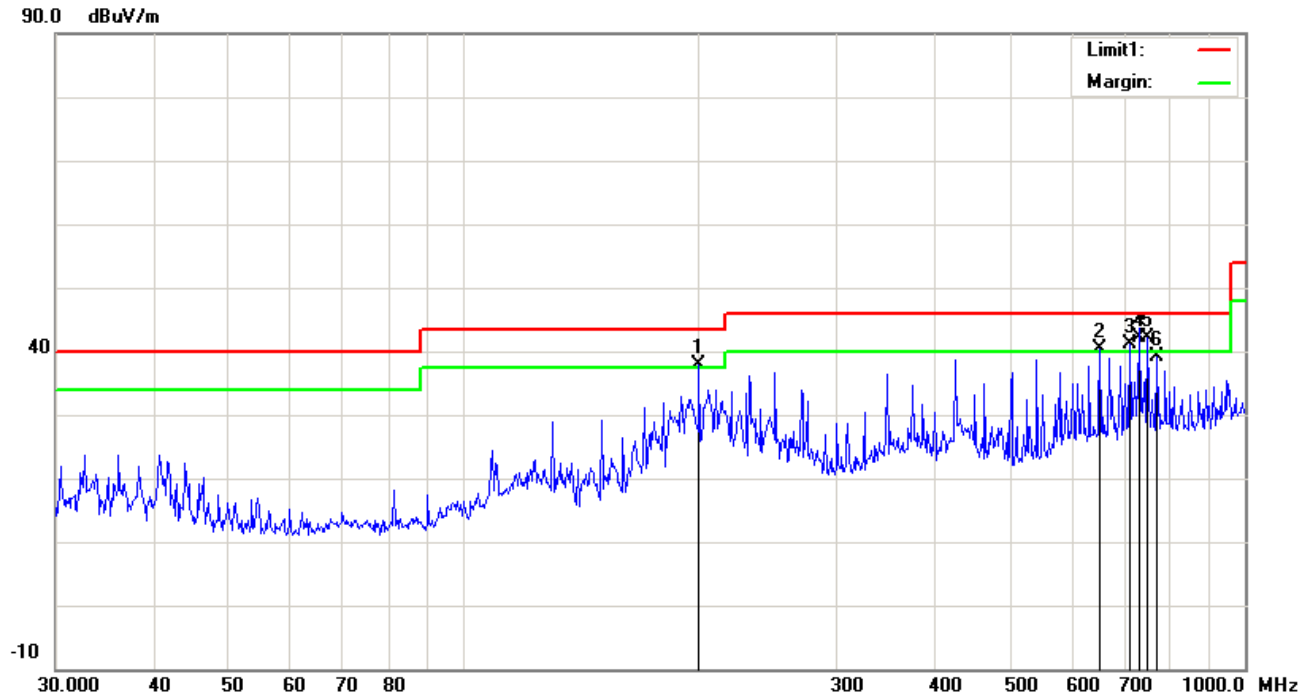


### Vertical Polarity Plot @3m

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant. F (dB/m)	PA. G (dB)	Cab. L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	150.0108	68.79	QP	13.99	47.99	2.10	36.89	43.50	-6.61	200	227
2	170.1948	67.36	peak	14.36	46.49	2.09	37.32	43.50	-6.18	200	222
3	651.9417	62.23	QP	21.47	48.15	4.10	39.65	46.00	-6.35	300	249
4	711.6734	59.21	QP	22.47	45.60	4.29	40.37	46.00	-5.63	200	206
5	731.9203	59.03	QP	22.26	45.38	4.34	40.25	46.00	-5.75	200	201
6	750.1083	58.13	QP	22.07	45.02	4.40	39.58	46.00	-6.42	200	214

**Test Mode:** Transmitting BT Mode ( GFSK-High Channel )

### Below 1GHz



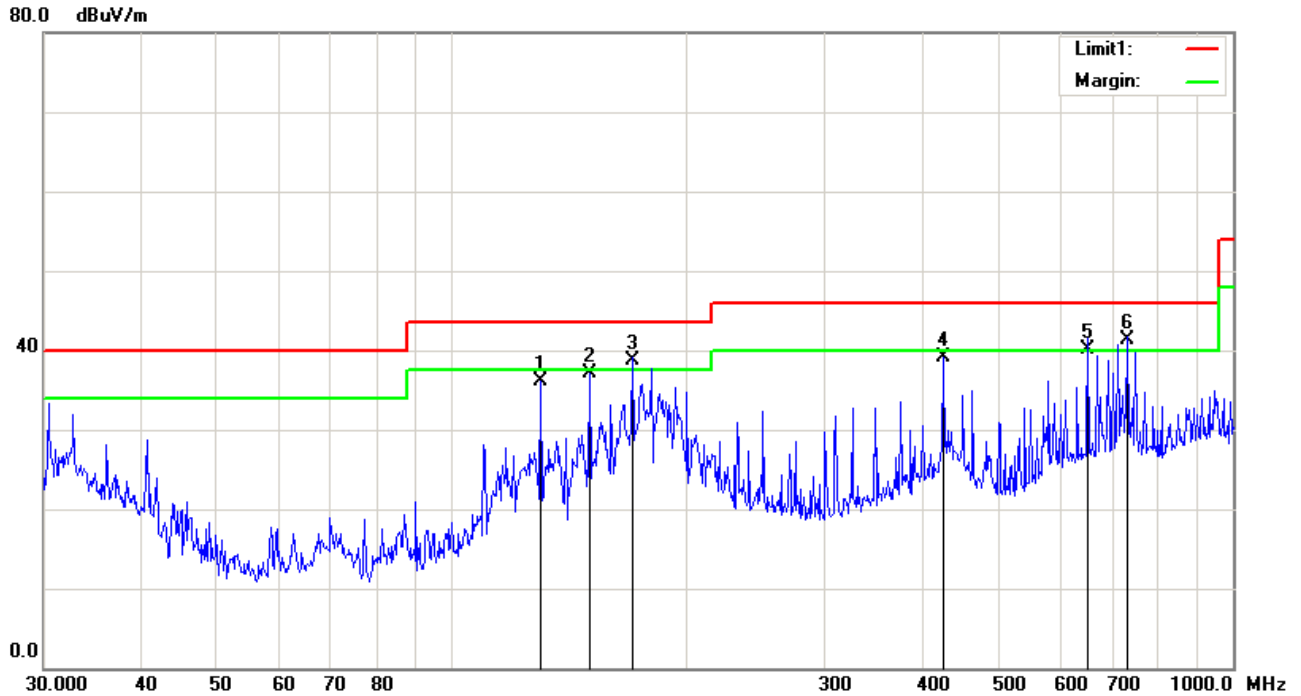
### Test Data

#### Horizontal Polarity Plot @3m

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	199.9856	69.69	QP	13.39	47.34	2.26	38.00	43.50	-5.50	200	242
2	651.9417	62.63	QP	21.85	48.15	4.10	40.43	46.00	-5.57	300	256
3	711.6734	59.85	QP	22.47	45.60	4.29	41.01	46.00	-4.99	200	184
4	731.9203	60.60	QP	22.59	45.38	4.34	42.15	46.00	-3.85	200	197
5	750.1083	59.96	QP	22.70	45.02	4.40	42.04	46.00	-3.96	200	221
6	771.4486	57.36	peak	22.83	45.62	4.46	39.03	46.00	-6.97	200	210

**Test Mode:** Transmitting BT Mode ( GFSK-High Channel )

### Below 1GHz



### Vertical Polarity Plot @3m

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	129.9226	65.23	peak	16.37	47.29	1.86	36.17	43.50	-7.33	100	166
2	150.0108	68.93	peak	13.99	47.99	2.10	37.03	43.50	-6.47	100	357
3	170.1948	68.79	QP	14.36	46.49	2.09	38.75	43.50	-4.75	100	194
4	425.0280	68.22	peak	16.58	49.09	3.31	39.02	46.00	-6.98	100	0
5	651.9417	62.69	QP	21.47	48.15	4.10	40.11	46.00	-5.89	100	157
6	731.9203	60.01	QP	22.26	45.38	4.34	41.23	46.00	-4.77	100	318

**Test Mode:** Transmitting BT Mode ( GFSK -High Channel )

**Mode:** GFSK (Worst Case)

**Above 1GHz  
Low Channel (2402 MHz)  
Horizontal**

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	4960.000	62.1	peak	33.58	54.04	5.88	47.52	74	-26.48	154	360
2	6303.000	55.71	peak	34.32	52.22	5.84	43.65	74	-30.35	200	2
3	8580.000	54.47	peak	37.37	53.91	8.33	46.26	74	-27.74	154	360
4	10755.000	54.23	peak	38.05	53.13	9.43	48.58	74	-25.42	100	30
5	11456.000	54.45	peak	38.37	53.15	10.05	49.72	74	-24.28	200	256
6	13902.000	54.41	peak	39.98	52.11	9.11	51.39	74	-22.61	100	282

**Vertical**

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	4911.000	59.51	peak	33.43	53.81	5.96	45.09	74	-28.91	200	170
2	5996.000	55.63	peak	34.2	51.29	5.85	44.39	74	-29.61	100	310
3	8631.000	55.91	peak	37.35	54.02	8.29	47.53	74	-26.47	100	298
4	10774.000	54.84	peak	38.05	53.14	9.43	49.18	74	-24.82	100	106
5	13187.000	54.36	peak	39.13	51.88	9.56	51.17	74	-22.83	200	114
6	14716.000	55.29	peak	40.34	52.74	9.36	52.25	74	-21.75	200	9

**Middle Channel (2441 MHz)  
Horizontal**

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	4963.000	62.22	peak	33.58	54.04	5.88	47.64	74	-26.36	154	360
2	6307.000	55.37	peak	34.32	52.22	5.84	43.31	74	-30.69	200	2
3	8585.000	54.29	peak	37.37	53.91	8.33	46.08	74	-27.92	154	360
4	10754.000	54.75	peak	38.05	53.13	9.43	49.1	74	-24.9	100	30
5	11450.000	54.89	peak	38.37	53.15	10.05	50.16	74	-23.84	200	256
6	13906.000	54.13	peak	39.98	52.11	9.11	51.11	74	-22.89	100	282

**Vertical**

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	4915.000	59.18	peak	33.43	53.81	5.96	44.76	74	-29.24	200	170
2	5994.000	55.37	peak	34.2	51.29	5.85	44.13	74	-29.87	100	310
3	8638.000	55.45	peak	37.35	54.02	8.29	47.07	74	-26.93	100	298
4	10773.000	54.29	peak	38.05	53.14	9.43	48.63	74	-25.37	100	106
5	13185.000	54.84	peak	39.13	51.88	9.56	51.65	74	-22.35	200	114
6	14710.000	55.93	peak	40.34	52.74	9.36	52.89	74	-21.11	200	9

**High Channel (2480 MHz)  
Horizontal**

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant F (dB/m)	PA G (dB)	Cab L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	4962.000	62.15	peak	33.58	54.04	5.88	47.57	74.00	-26.43	200	360
2	6305.000	55.69	peak	34.32	52.22	5.84	43.63	74.00	-30.37	200	2
3	8580.000	54.44	peak	37.37	53.91	8.33	46.23	74.00	-27.77	150	360
4	10757.000	54.28	peak	38.05	53.13	9.43	48.63	74.00	-25.37	100	30
5	11454.000	54.42	peak	38.37	53.15	10.05	49.69	74.00	-24.31	200	256
6	13904.000	54.46	peak	39.98	52.11	9.11	51.44	74.00	-22.56	100	282

**Vertical**

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Ant F (dB/m)	PA G (dB)	Cab L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)
1	4910.000	59.55	peak	33.43	53.81	5.96	45.13	74.00	-28.87	200	170
2	5998.000	55.65	peak	34.20	51.29	5.85	44.41	74.00	-29.59	100	310
3	8633.000	55.98	peak	37.35	54.02	8.29	47.60	74.00	-26.40	100	298
4	10775.000	54.89	peak	38.05	53.14	9.43	49.23	74.00	-24.77	100	106
5	13189.000	54.48	peak	39.13	51.88	9.56	51.29	74.00	-22.71	200	114
6	14719.000	55.19	peak	40.34	52.74	9.36	52.15	74.00	-21.85	200	9

Note: We test 3 modulations, only show GFSK test data in the report.

## Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
<b>AC Line Conducted Emissions</b>					
R&S EMI Test Receiver	ESPI3	101216	05/03/2017	05/02/2018	<input checked="" type="checkbox"/>
V-LISN	ESH3-Z5	838979/005	03/30/2017	03/29/2018	<input checked="" type="checkbox"/>
INFOMW Antenna (1 ~18GHz)	JXTXLB-10180	J2031081120092	10/08/2016	10/07/2017	<input checked="" type="checkbox"/>
SIEMIC EZ_EMC Conducted Emissions	Ver.ICP-03A1	N/A	N/A	N/A	<input checked="" type="checkbox"/>
<b>RF conducted test</b>					
R&S EMI Receiver	ESPI3	101216	05/03/2017	05/02/2018	<input checked="" type="checkbox"/>
Power Splitter	1#	1#	02/02/2017	02/01/2018	<input checked="" type="checkbox"/>
Spectrum Analyzer	N9010A	MY47191130	03/30/2017	03/29/2018	<input checked="" type="checkbox"/>
Temperature/Humidity Chamber	1007H	N/A	01/07/2017	01/06/2018	<input checked="" type="checkbox"/>
<b>Radiated Emissions</b>					
Spectrum Analyzer	N9010A	MY47191130	05/03/2017	05/02/2018	<input checked="" type="checkbox"/>
R&S EMI Receiver	ESPI3	101216	05/03/2017	05/02/2018	<input checked="" type="checkbox"/>
Antenna (30MHz~6GHz)	JB6	A121411	10/31/2016	10/31/2017	<input checked="" type="checkbox"/>
EMCO Horn Antenna (1 ~18GHz)	3115	N/A	11/15/2016	11/14/2017	<input checked="" type="checkbox"/>
INFOMW Antenna (1 ~18GHz)	JXTXLB-10180	J2031081120092	10/09/2016	10/08/2017	<input checked="" type="checkbox"/>
Horn Antenna (18~40GHz)	AH-840	101013	04/30/2017	04/29/2018	N/A
Microwave Pre-Amp (18~40GHz)	PA-840	181250	05/28/2017	05/27/2018	N/A
Hp Pre-Amplifier	8447F	1937A01160	10/31/2016	10/30/2017	<input checked="" type="checkbox"/>
Agilent Pre-Amplifier	8449B	N/A	10/31/2016	10/30/2017	<input checked="" type="checkbox"/>
SIEMIC Labview Radiated Emissions software	V1.0	N/A	N/A	N/A	<input checked="" type="checkbox"/>

## Annex B. EUT And Test Setup Photographs

### Annex B.i. Photograph: EUT External Photo



The Whole of EUT - Front View



Adapter - Front View





Adapter – Right View



EUT - Top View



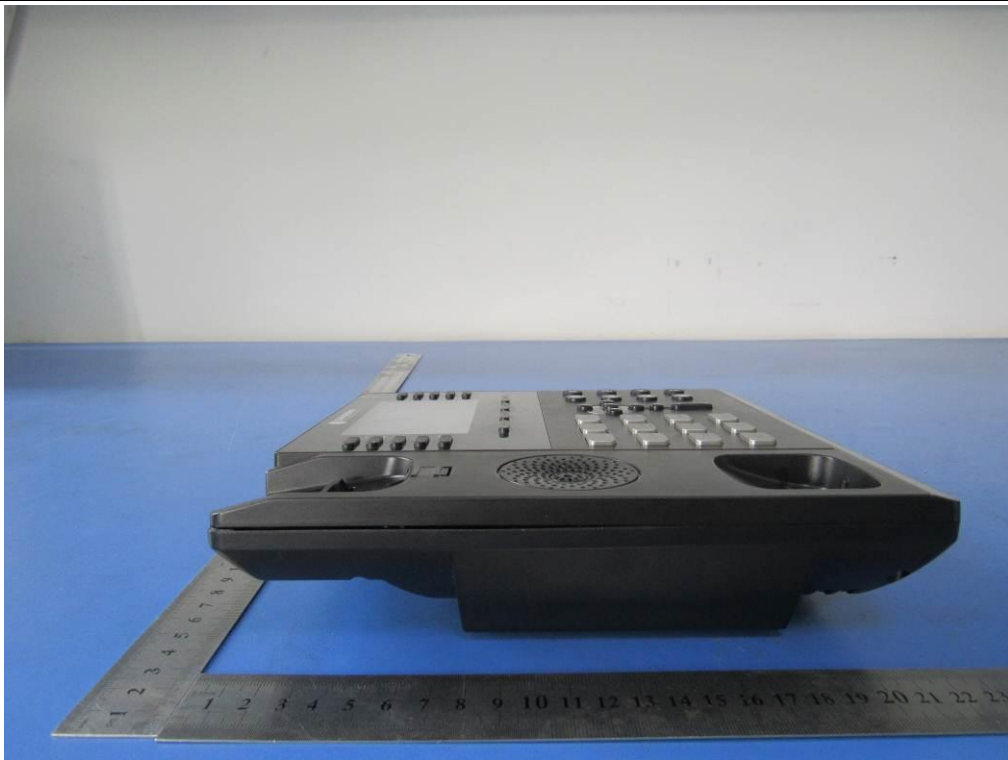
EUT - Bottom View



EUT - Front View



EUT - Rear View



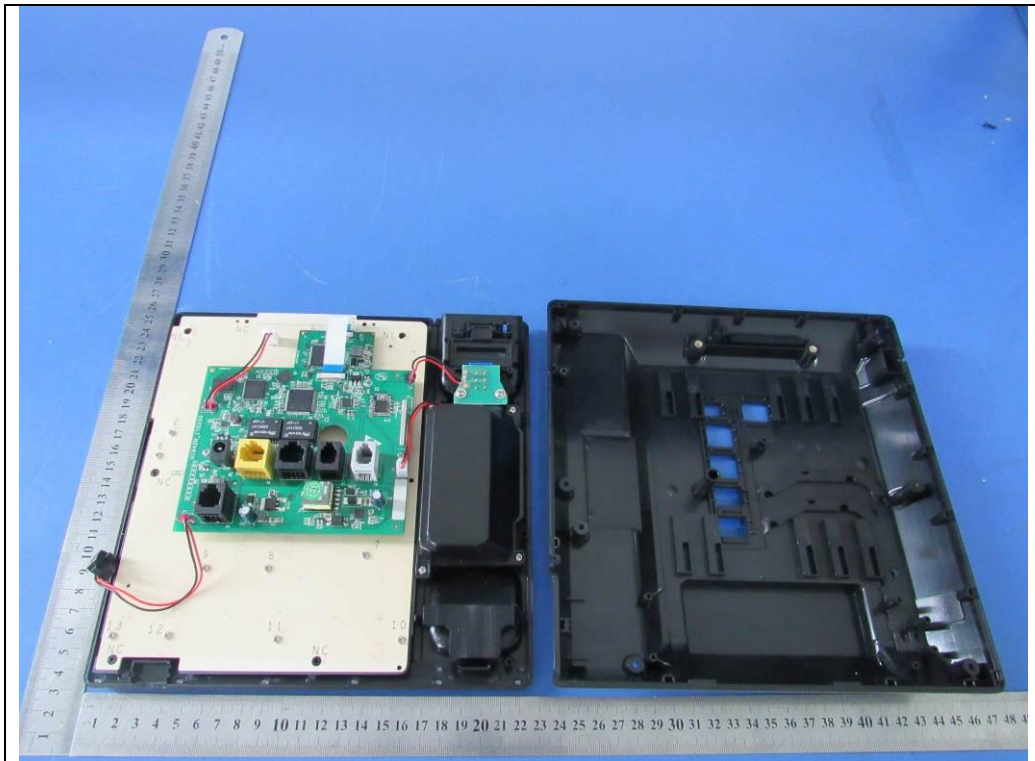
EUT - Left View



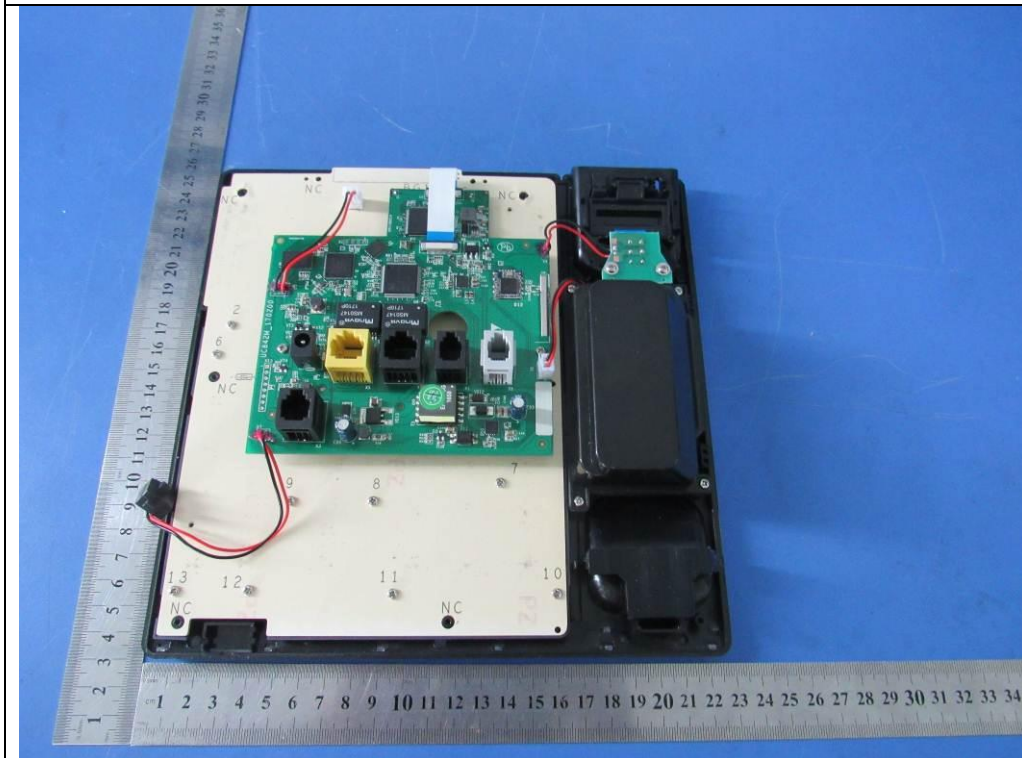
EUT - Right View



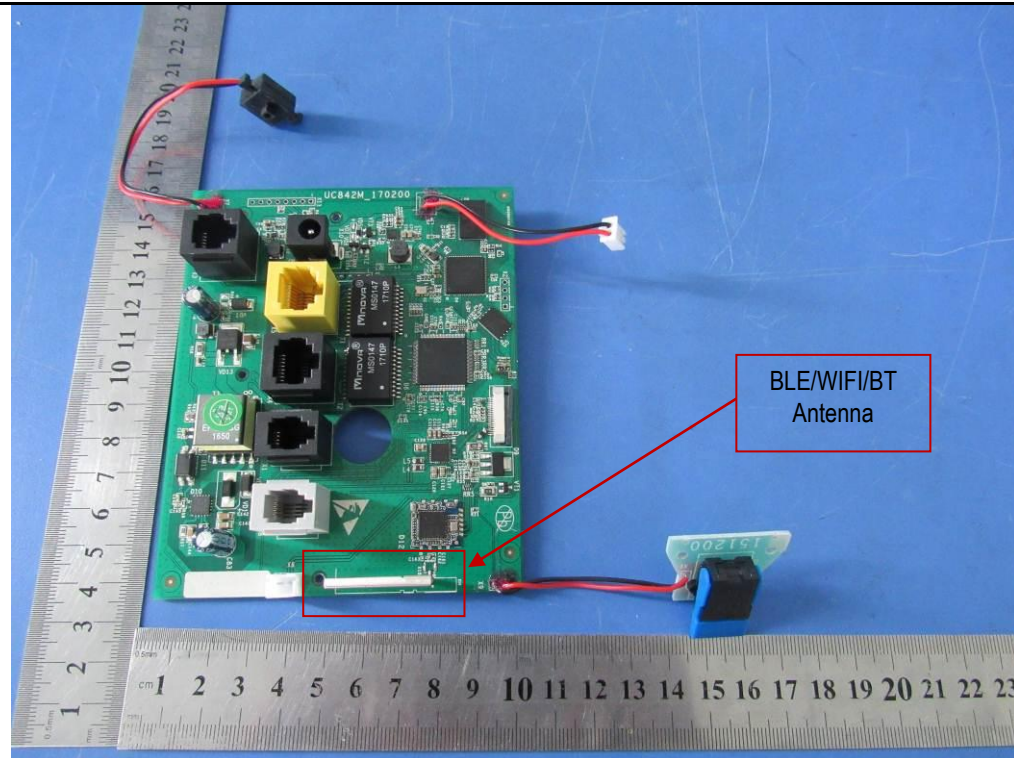
**Annex B.ii. Photograph: EUT Internal Photo**



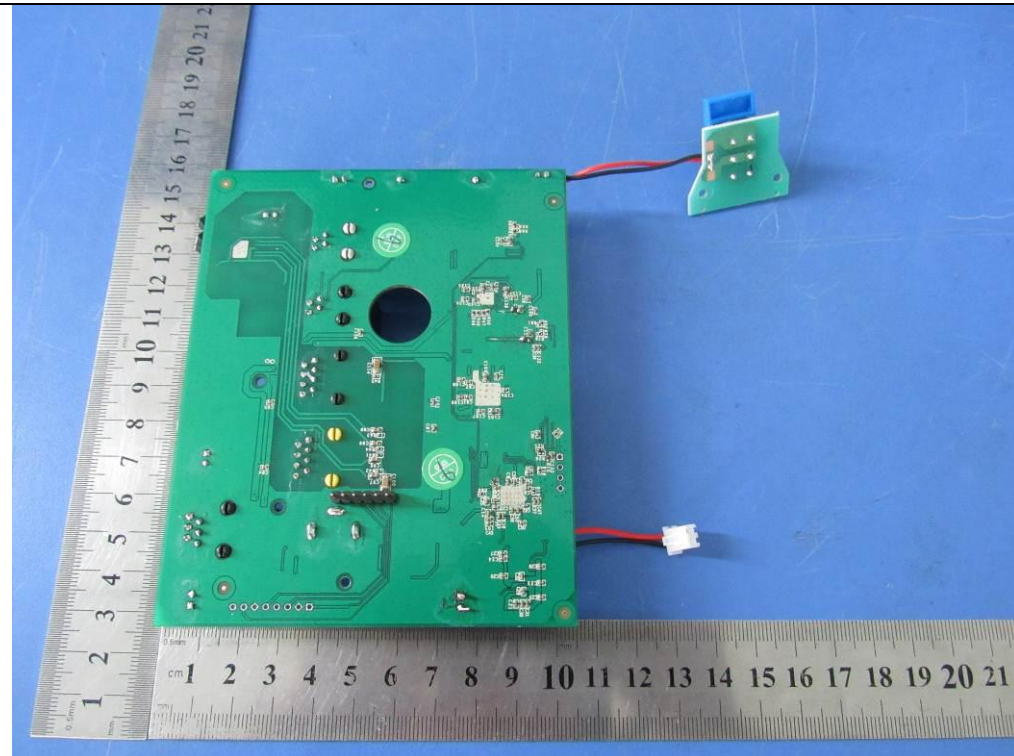
EUT – Uncover Front View - 1



EUT – Uncover Front View - 2

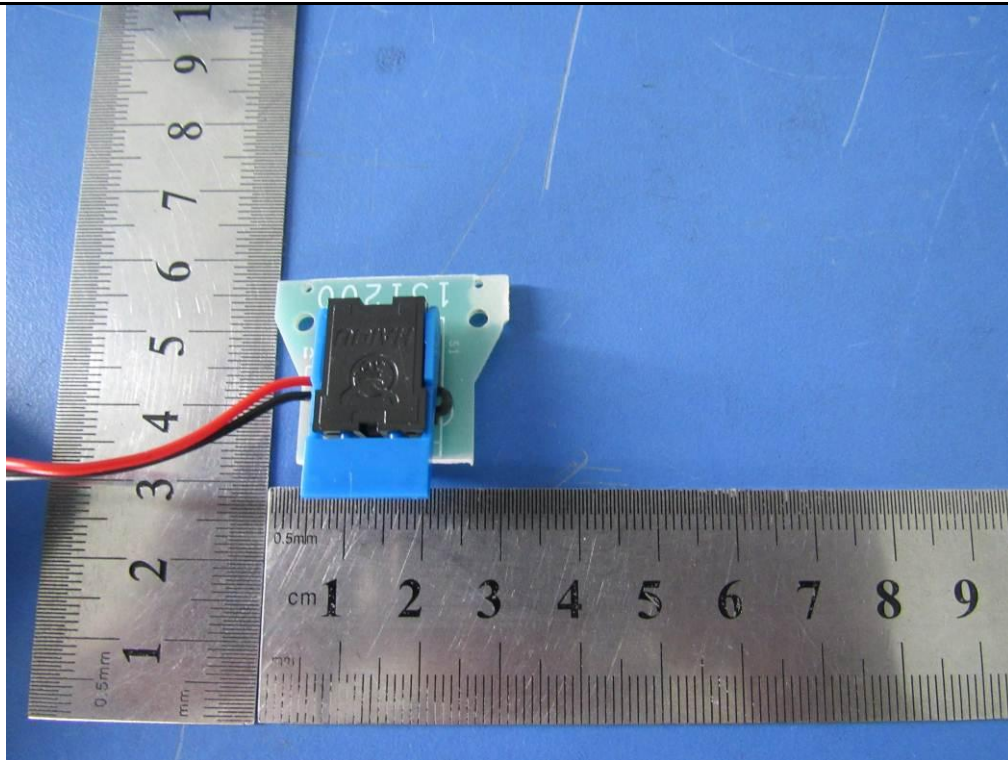


EUT PCB1 – Front View

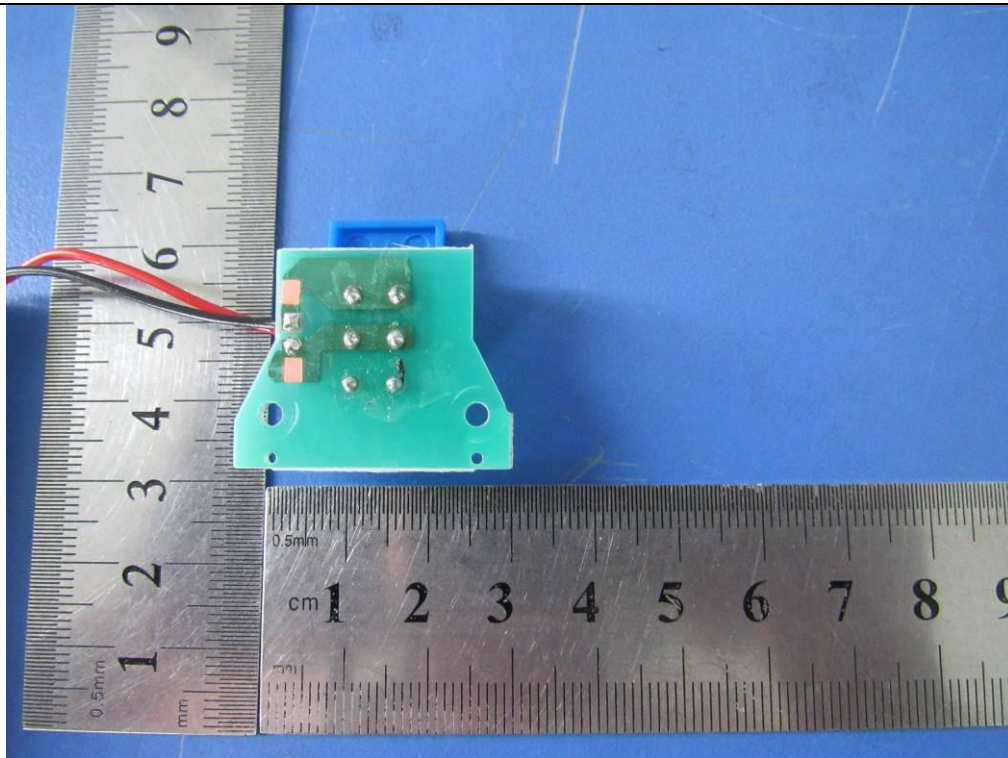


EUT PCB1 – Rear View

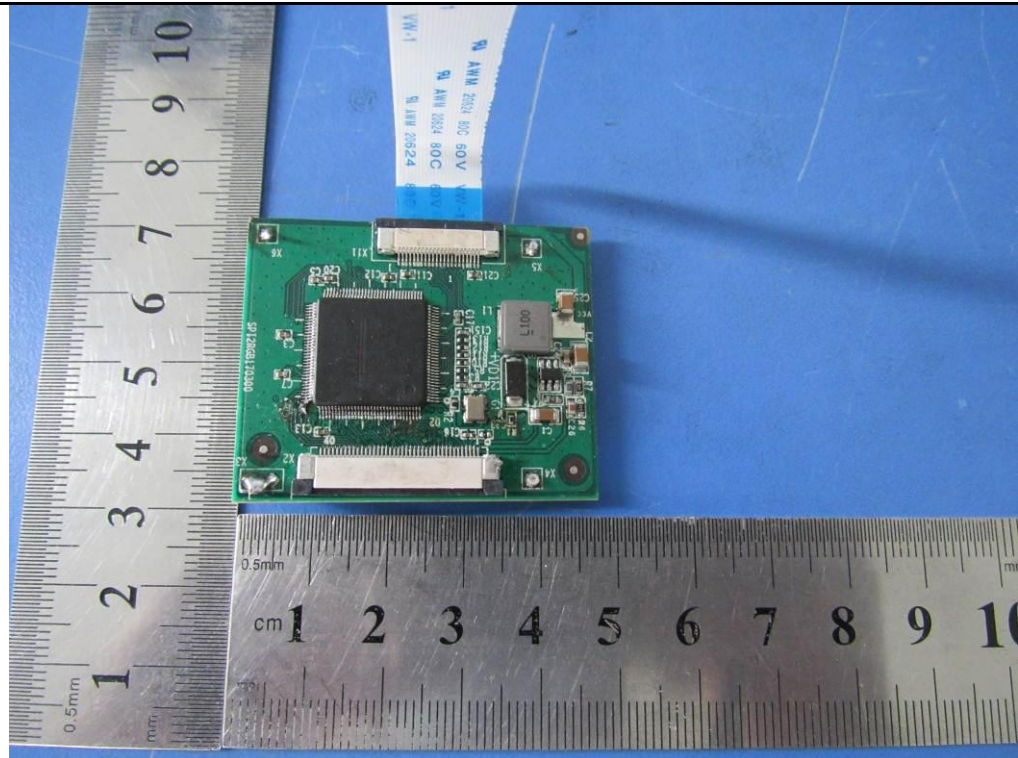




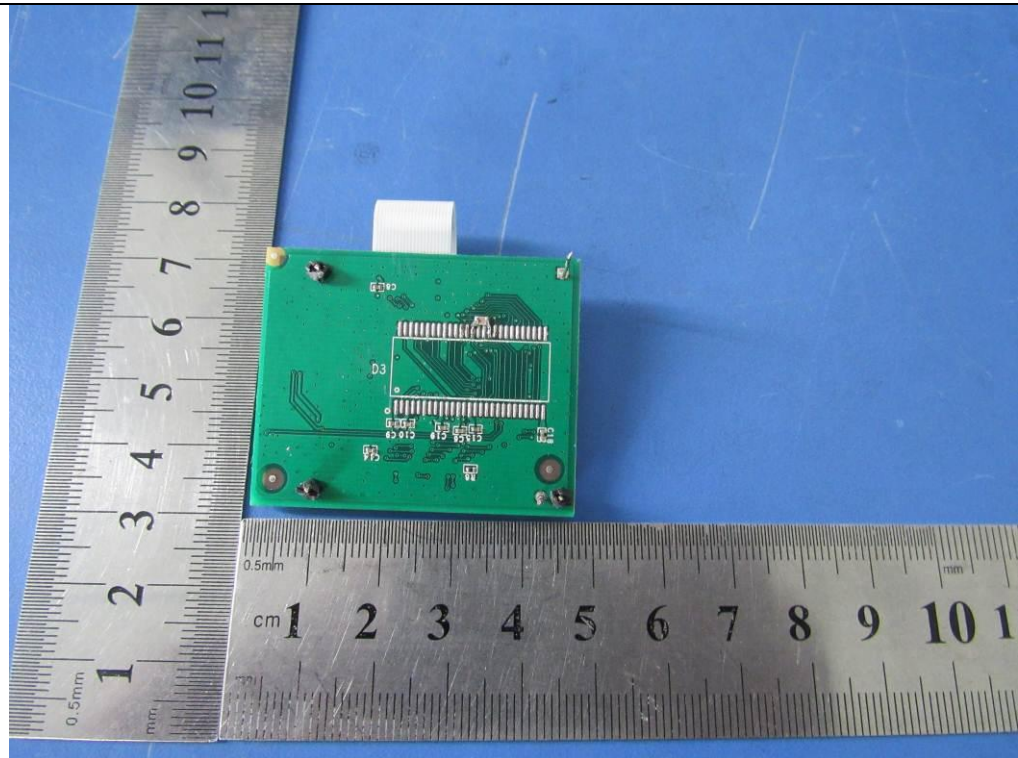
EUT PCB2 – Front View



EUT PCB2 – Rear View

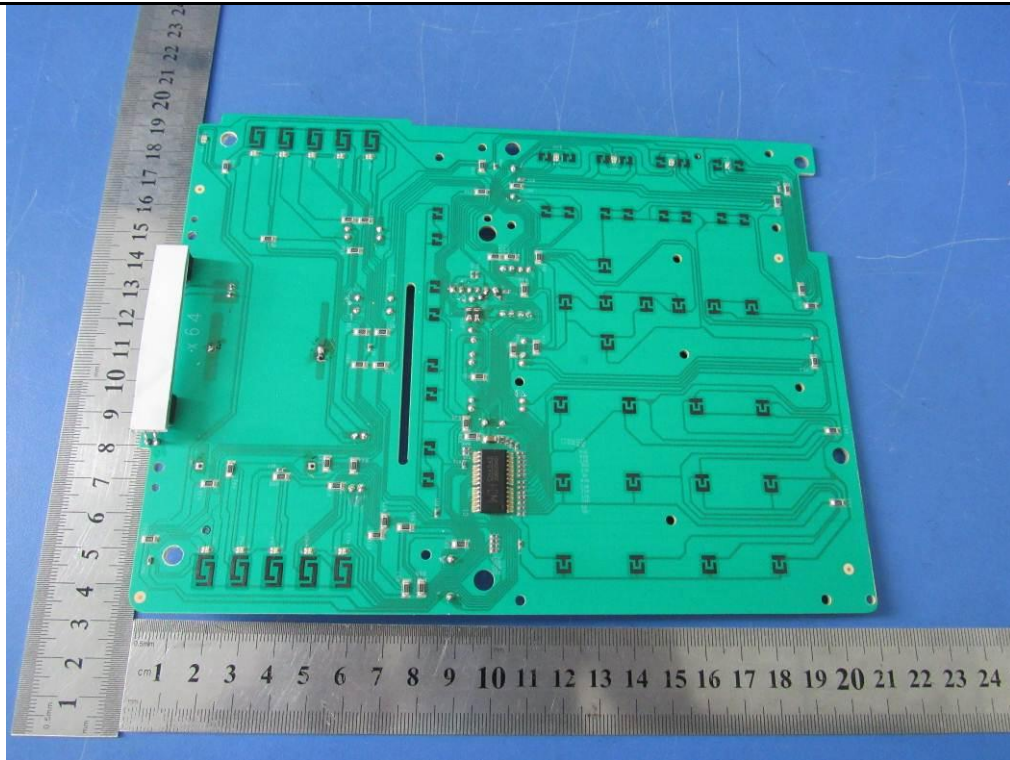


EUT PCB3 – Front View

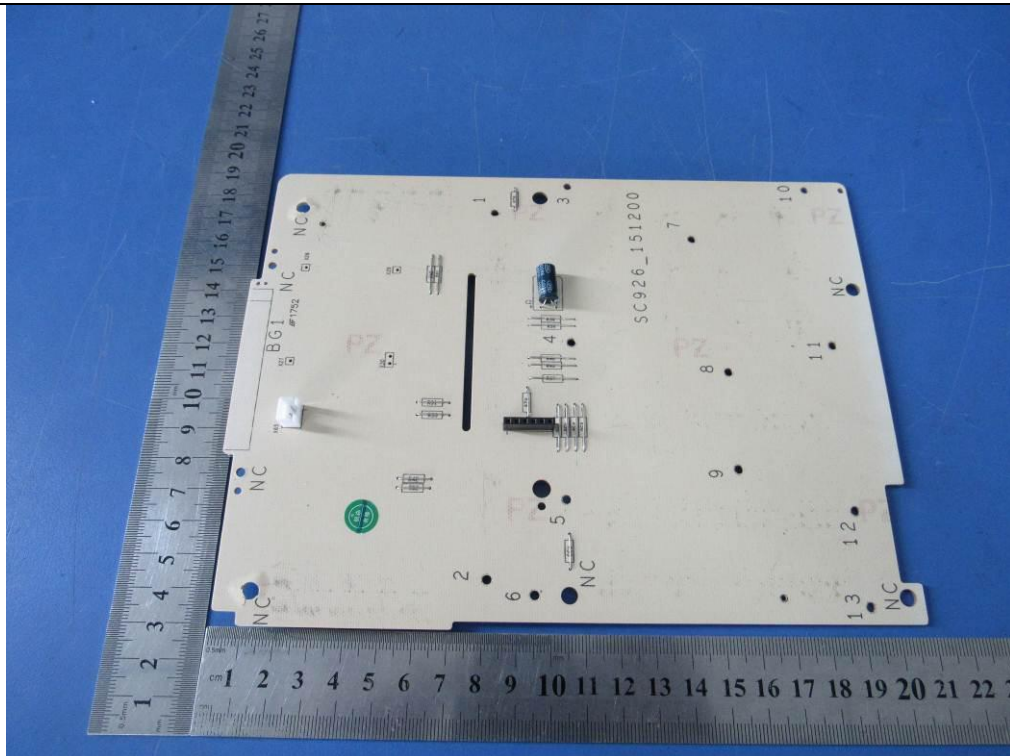


EUT PCB3 – Rear View

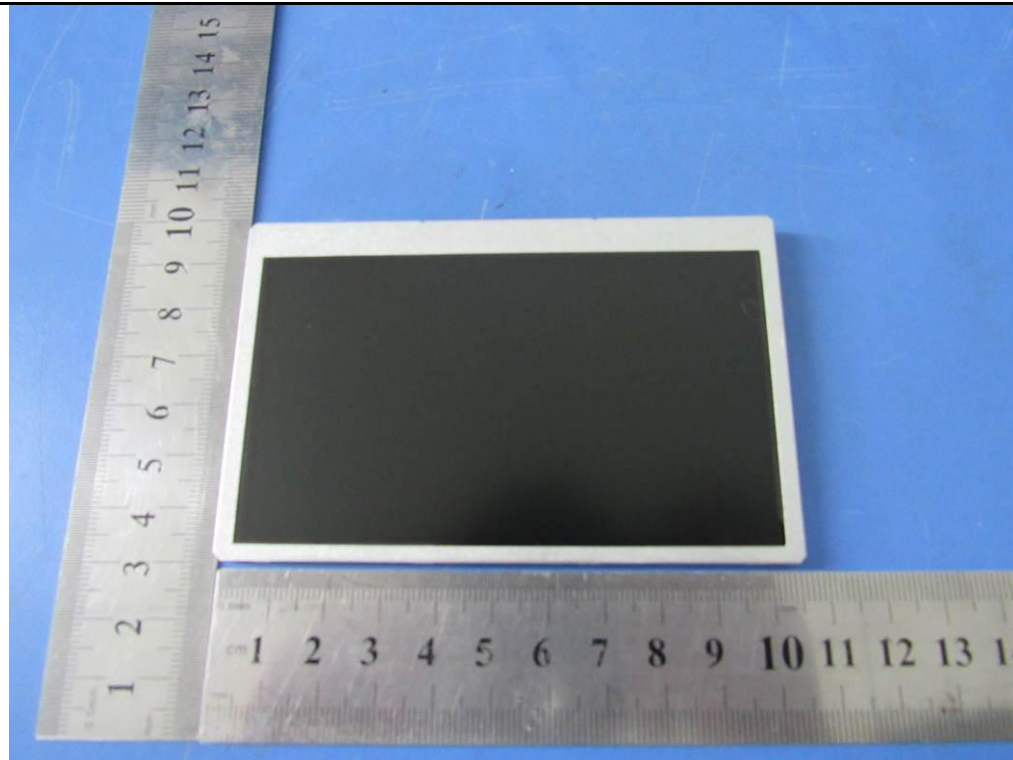




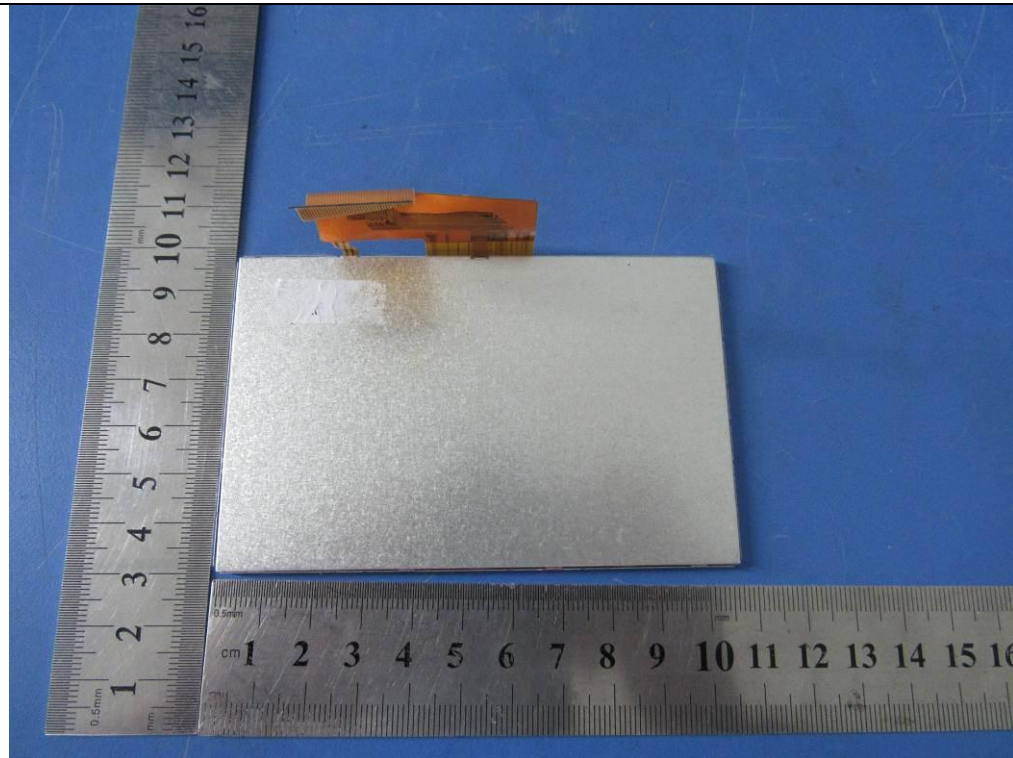
EUT PCB4 – Front View



EUT PCB4 – Rear View



EUT Screen – Front View



EUT Screen – Rear View



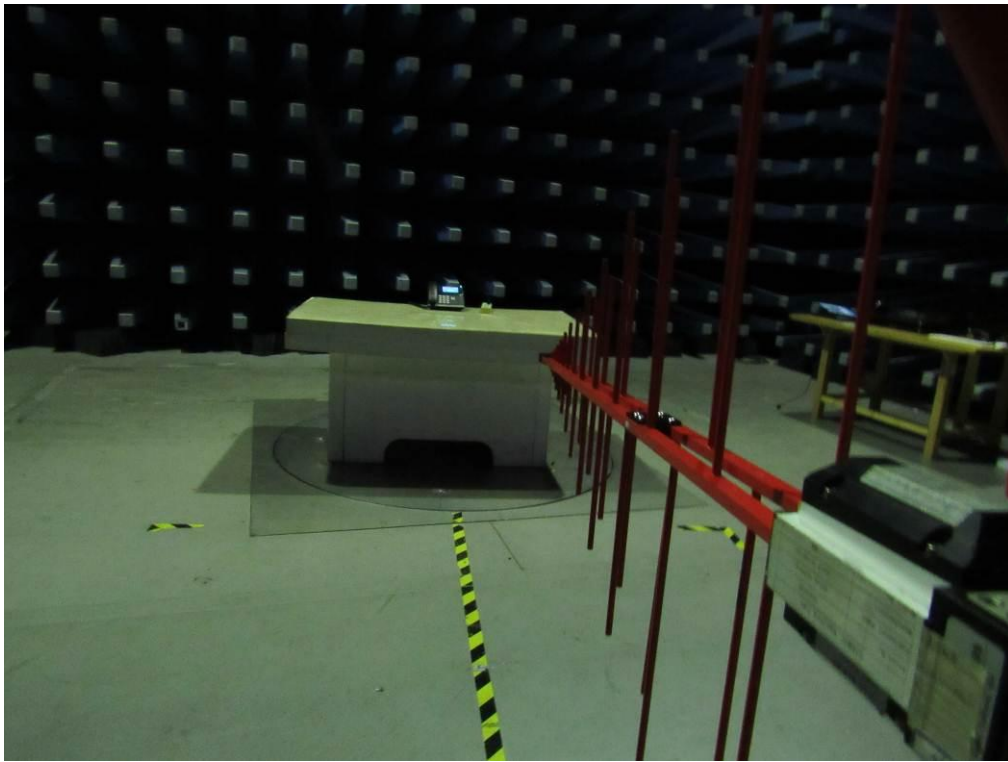
**Annex B.iii. Photograph: Test Setup Photo**



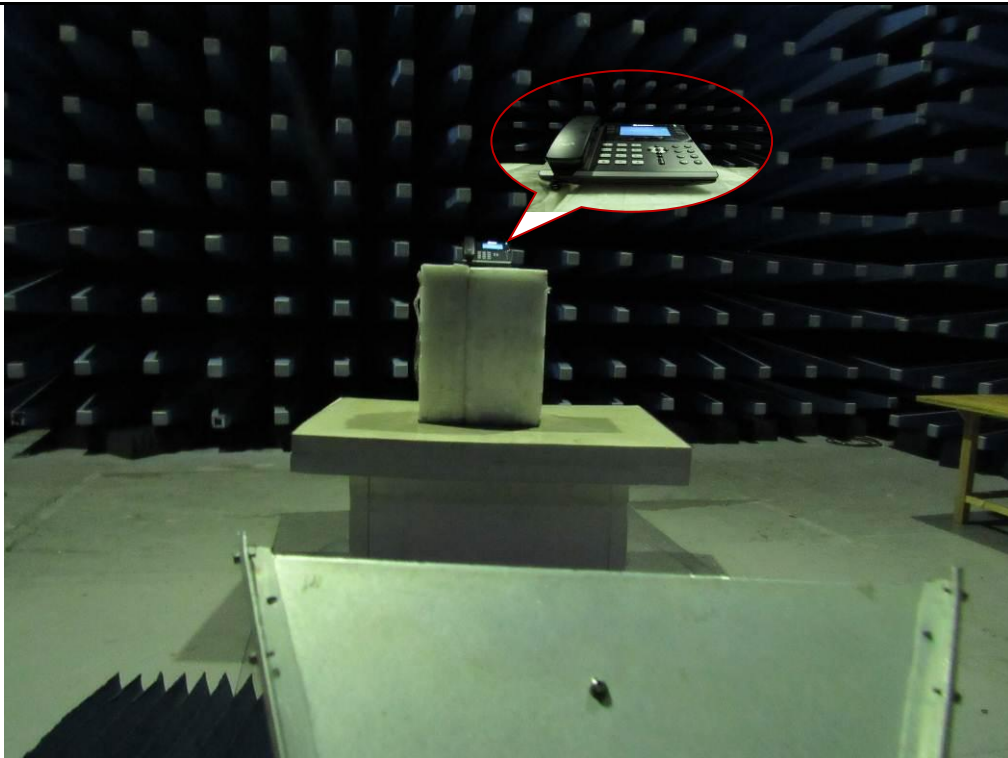
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz

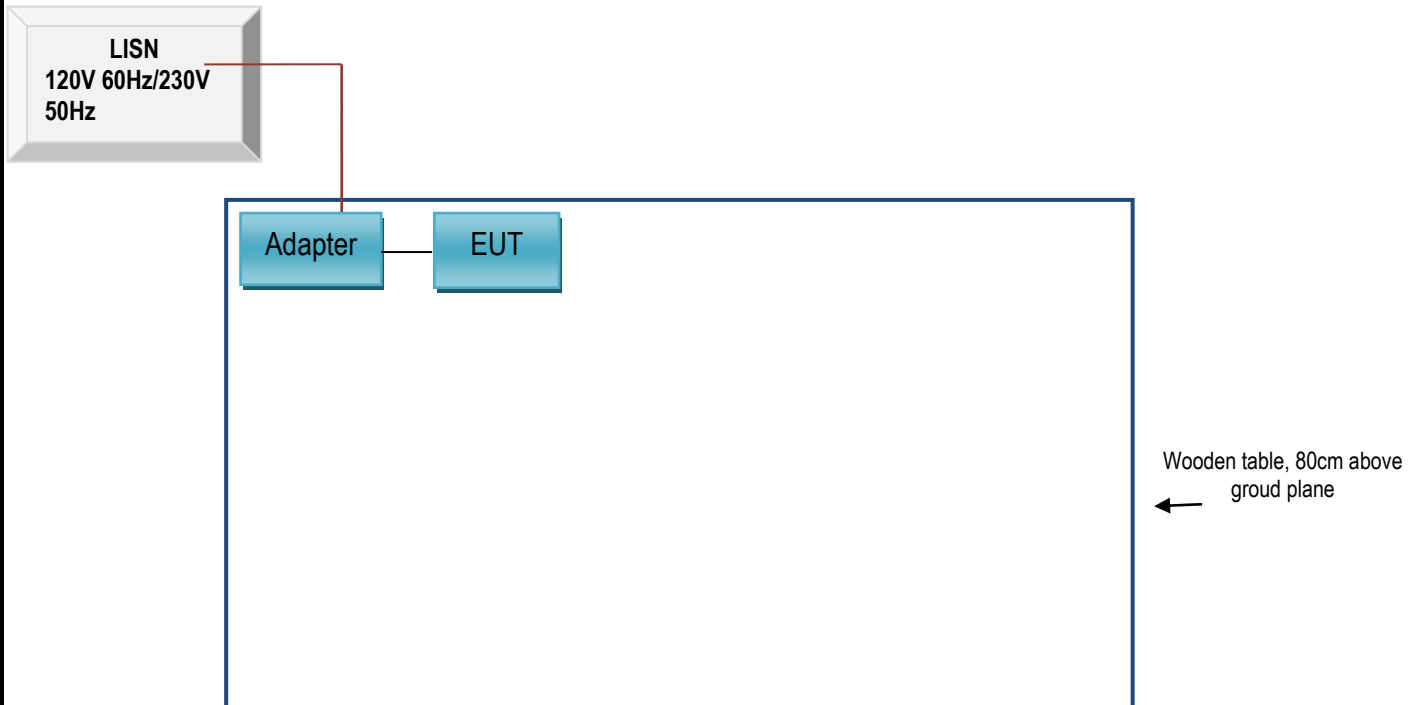


Radiated Spurious Emissions Test Setup Above 1GHz

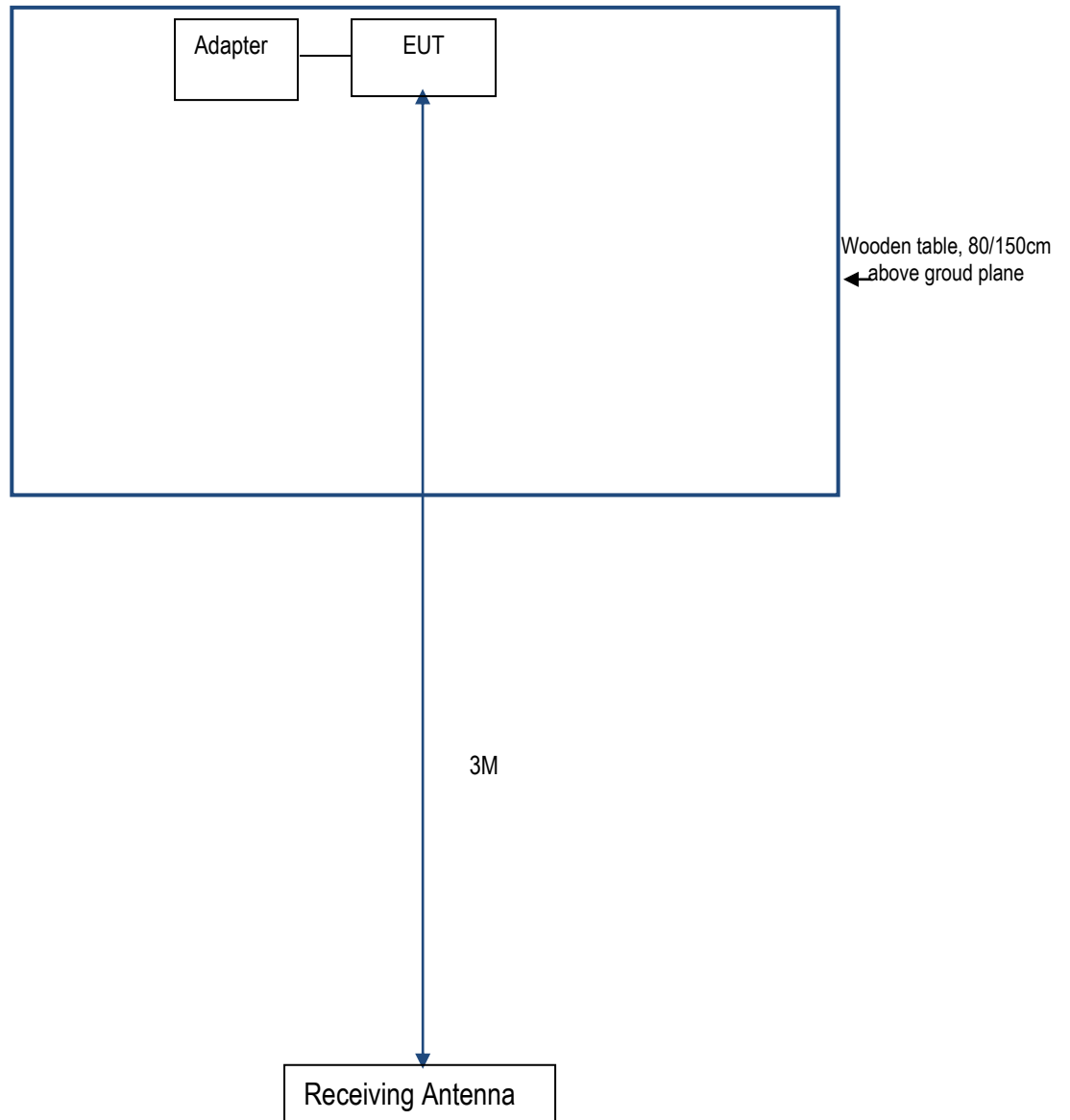
## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

### Annex C.ii. TEST SET UP BLOCK

#### Block Configuration Diagram for AC Line Conducted Emissions



## Block Configuration Diagram for Radiated Emissions



### **Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION**

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

Manufacturer	Equipment Description	Model	Calibration Date	Calibration Due Date
N/A	N/A	N/A	N/A	N/A

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

Please see attachment



**Annex E. DECLARATION OF SIMILARITY**

**Sangoma Technologies Corp.**

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**Statement**

Model number: S705, S505

FCC ID: 2AL9Y-PHONS705A

We hereby state that S705,S505 are identical in interior structure, electrical circuits and components, and just model names, the number of account keys and screen sizes are different.

Your assistance on this matter is highly appreciated.

Sincerely,



Name: Frederic Dickey

Title: VP Marketing & Product Mgmt

Company Name: Sangoma Technologies Corp.

Address: 100 Renfrew Drive, Suite 100 Markham ON L3R 9R6 Canada

Telephone: +1 905 474 1990

E-mail: fdickey@sangoma.com