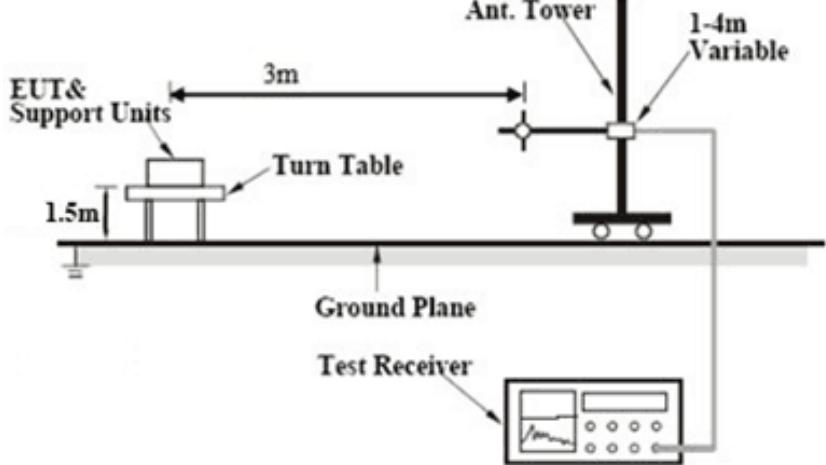


6.6 Spurious Radiated Emissions

Temperature	25 °C
Relative Humidity	58%
Atmospheric Pressure	1016mbar
Test date :	September 16, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§2.1053, § 27.53(h)	a)	The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.	<input checked="" type="checkbox"/>
Test setup			
Test Procedure	<ol style="list-style-type: none"> 1. The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable. 2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis. 3. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution. <p>Sample Calculation:</p> <p>EUT Field Strength = Raw Amplitude (dBμV/m) – Amplifier Gain (dB) + Antenna Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used)</p>		

Remark		
Result	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail

Test Data Yes N/A

Test Plot Yes (See below) N/A

LTE Band IV (Part27) result

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3440	-46.87	V	10.06	2.52	-39.33	-13	-26.33
3440	-47.12	H	10.06	2.52	-39.58	-13	-26.58
68.9	-51.29	V	-0.98	0.16	-52.43	-13	-39.43
448.9	-53.84	H	5.93	0.31	-48.22	-13	-35.22

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3465	-45.28	V	10.09	2.52	-37.71	-13	-24.71
3465	-47.61	H	10.09	2.52	-40.04	-13	-27.04
143.9	-48.61	V	1.09	0.14	-47.66	-13	-34.66
523.5	-49.35	H	6.16	0.33	-43.52	-13	-30.52

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3490	-48.16	V	10.09	2.52	-40.59	-13	-27.59
3490	-49.31	H	10.09	2.52	-41.74	-13	-28.74
91.8	-47.21	V	1.31	0.15	-46.05	-13	-33.05
842.4	-48.23	H	6.12	0.46	-42.57	-13	-29.57

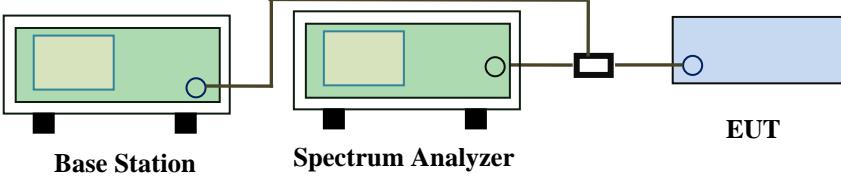
Note:

- 1, The testing has been conformed to 10*1754.3MHz=17,543MHz
- 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.

6.7 Band Edge

Temperature	25 °C
Relative Humidity	57%
Atmospheric Pressure	1014mbar
Test date :	September 20, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§ 27.53(h)	a)	The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.	<input checked="" type="checkbox"/>
Test setup	 <p style="text-align: center;"> Base Station Spectrum Analyzer EUT </p>		
Procedure	<ul style="list-style-type: none"> - The EUT was connected to Spectrum Analyzer and Base Station via power divider. - The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100. 		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

Test Data Yes N/A

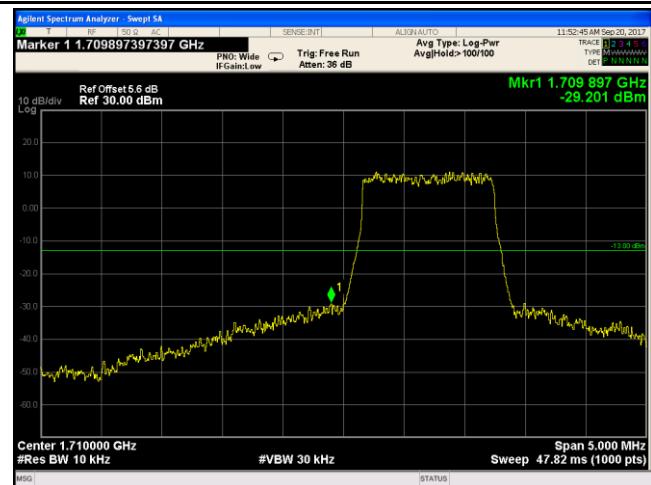
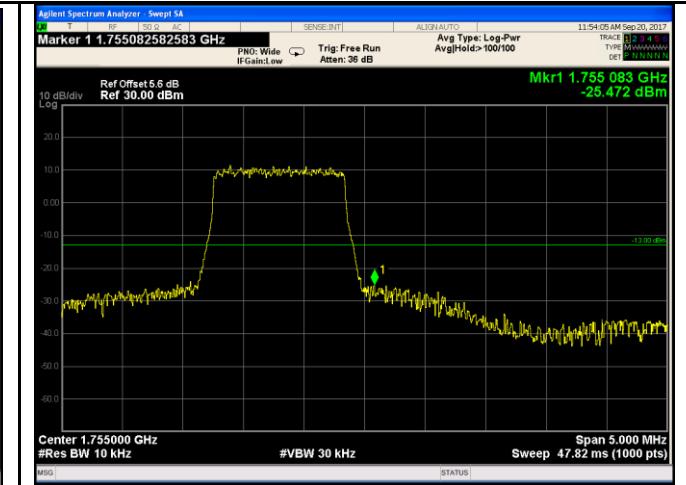
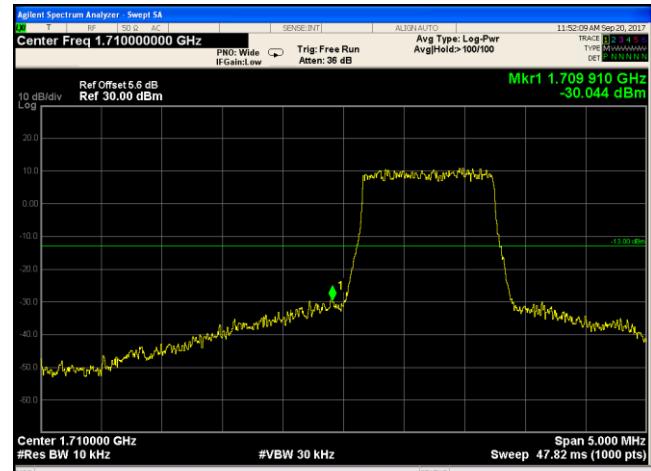
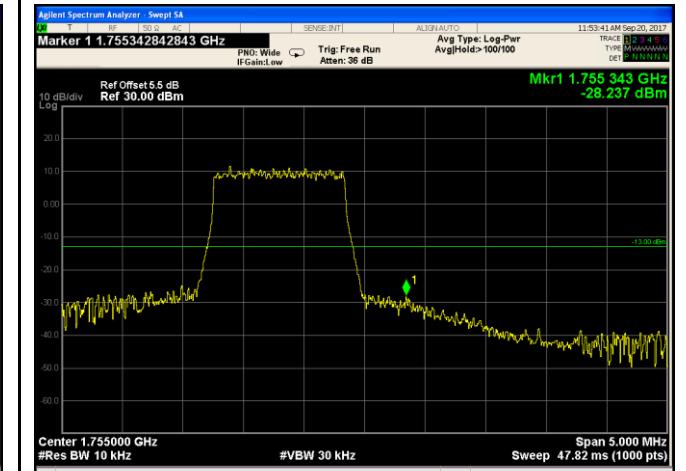
Test Plot Yes (See below) N/A

LTE Band IV (Part 27) result

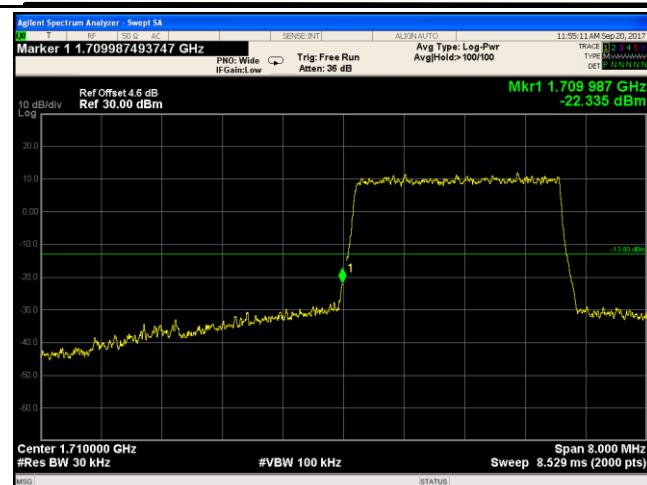
BW(MHz)	Channel	Frequency (MHz)	Mode	Emission (dBm)	Limit (dBm)
1.4	19957	1710	QPSK	-29.201	-13
			16QAM	-30.044	-13
1.4	20393	1755	QPSK	-25.472	-13
			16QAM	-28.237	-13
3	19965	1710	QPSK	-22.335	-13
			16QAM	-21.594	-13
3	20385	1755	QPSK	-21.201	-13
			16QAM	-21.092	-13
5	19975	1710	QPSK	-21.325	-13
			16QAM	-21.493	-13
5	20375	1755	QPSK	-18.897	-13
			16QAM	-20.051	-13
10	20000	1710	QPSK	-21.240	-13
			16QAM	-19.917	-13
10	20350	1755	QPSK	-19.557	-13
			16QAM	-23.474	-13
15	20025	1710	QPSK	-22.385	-13
			16QAM	-24.732	-13
15	20325	1755	QPSK	-22.774	-13
			16QAM	-22.269	-13
20	20050	1710	QPSK	-26.824	-13
			16QAM	-26.832	-13
20	20300	1755	QPSK	-24.591	-13
			16QAM	-26.348	-13

Test Plots

LTE Band IV (Part 27)

 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.71000000 GHz #Res BW 10 kHz #VBW 30 kHz Avg Type: Log-Pwr Avg Hold>100/100 PNO: Wide IFGain:Low Trig: Free Run Atten: 36 dB Ref Offset 5.6 dB Ref 30.00 dBm Mkr1 1.709.910 GHz -30.044 dBm</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center 1.755000 GHz #Res BW 10 kHz #VBW 30 kHz Sweep 47.82 ms (1000 pts) PNO: Wide IFGain:Low Trig: Free Run Atten: 36 dB Ref Offset 5.5 dB Ref 30.00 dBm Mkr1 1.755.343 GHz -28.237 dBm</p>
<p>LTE Band IV - Low Channel QPSK-1.4</p> <p>Note: Offset=Cable loss (4.5) + 10log $(12.91/10)=4.5+1.1=5.6$ dB</p>	<p>LTE Band IV - High Channel QPSK-1.4</p> <p>Note: Offset=Cable loss (4.5) + 10log $(12.80/10)=4.5+1.1=5.6$ dB</p>
 <p>Agilent Spectrum Analyzer - Sweep SA Center Freq 1.71000000 GHz #Res BW 10 kHz #VBW 30 kHz Avg Type: Log-Pwr Avg Hold>100/100 PNO: Wide IFGain:Low Trig: Free Run Atten: 36 dB Ref Offset 5.6 dB Ref 30.00 dBm Mkr1 1.709.910 GHz -30.044 dBm</p>	 <p>Agilent Spectrum Analyzer - Sweep SA Center 1.755000 GHz #Res BW 10 kHz #VBW 30 kHz Sweep 47.82 ms (1000 pts) PNO: Wide IFGain:Low Trig: Free Run Atten: 36 dB Ref Offset 5.5 dB Ref 30.00 dBm Mkr1 1.755.343 GHz -28.237 dBm</p>
<p>LTE Band IV - Low Channel 16QAM-1.4</p> <p>Note: Offset=Cable loss (4.5) + 10log $(12.89/10)=4.5+1.1=5.6$ dB</p>	<p>LTE Band IV - High Channel 16QAM-1.4</p> <p>Note: Offset=Cable loss (4.5) + 10log $(12.72/10)=4.5+1.0=5.5$ dB</p>

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LTE Band IV - Low Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.43/30)=4.5+0.1=4.6$ dB

LTE Band IV - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.46/30)=4.5+0.1=4.6$ dB

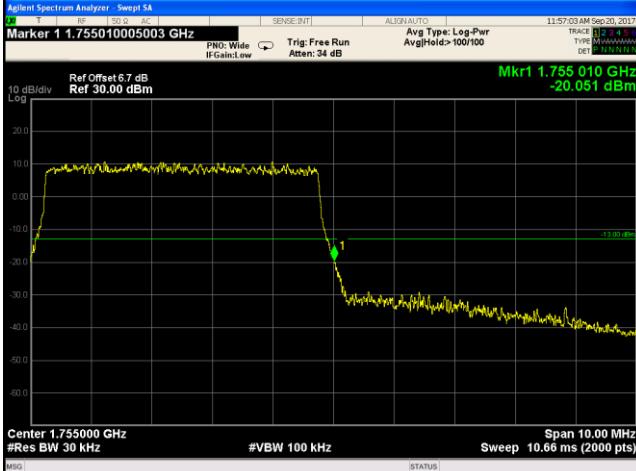


LTE Band IV - Low Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.40/30)=4.5+0.1=4.6$ dB

LTE Band IV - High Channel 16QAM-3

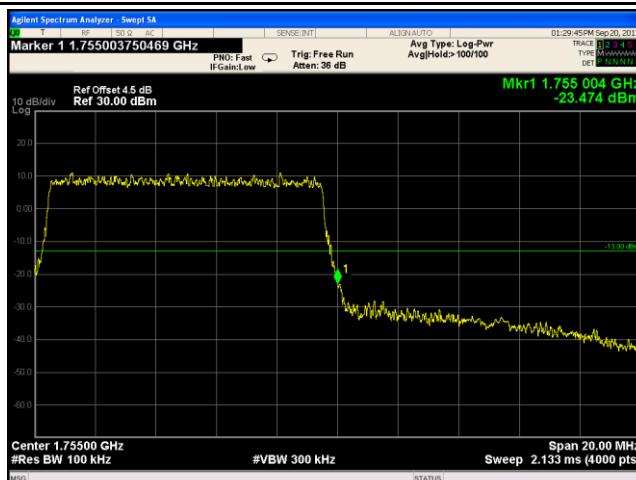
Note: Offset=Cable loss (4.5) + 10log
 $(30.46/30)=4.5+0.1=4.6$ dB

 <p>Marker 1 1.709972486243 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 34 dB Avg Type: Log-Pwr AvgHold>100/100</p> <p>Mkr1 1.709 972 GHz -21.325 dBm</p> <p>10 dB/div Ref Offset 5.8 dB Ref 30.00 dBm</p> <p>Center 1.710000 GHz #Res BW 30 kHz #VBW 100 kHz Span 10.00 MHz Sweep 10.66 ms (2000 pts)</p>	 <p>Marker 1 1.755002501251 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 34 dB Avg Type: Log-Pwr AvgHold>100/100</p> <p>Mkr1 1.755 003 GHz -18.897 dBm</p> <p>10 dB/div Ref Offset 5.8 dB Ref 30.00 dBm</p> <p>Center 1.755000 GHz #Res BW 30 kHz #VBW 100 kHz Span 10.00 MHz Sweep 10.66 ms (2000 pts)</p>
<p>LTE Band IV - Low Channel QPSK-5</p> <p>Note: Offset=Cable loss (4.5) + 10log $(50.66/30)=4.5+2.3=6.8$ dB</p>	<p>LTE Band IV - High Channel QPSK-5</p> <p>Note: Offset=Cable loss (4.5) + 10log $(50.43)=4.5+2.3=6.8$ dB</p>
 <p>Marker 1 1.709962481241 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 34 dB Avg Type: Log-Pwr AvgHold>100/100</p> <p>Mkr1 1.709 982 GHz -21.493 dBm</p> <p>10 dB/div Ref Offset 5.8 dB Ref 30.00 dBm</p> <p>Center 1.710000 GHz #Res BW 30 kHz #VBW 100 kHz Span 10.00 MHz Sweep 10.66 ms (2000 pts)</p>	 <p>Marker 1 1.755010005003 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 34 dB Avg Type: Log-Pwr AvgHold>100/100</p> <p>Mkr1 1.755 010 GHz -20.051 dBm</p> <p>10 dB/div Ref Offset 6.7 dB Ref 30.00 dBm</p> <p>Center 1.755000 GHz #Res BW 30 kHz #VBW 100 kHz Span 10.00 MHz Sweep 10.66 ms (2000 pts)</p>
<p>LTE Band IV - Low Channel 16QAM-5</p> <p>Note: Offset=Cable loss (4.5) + 10log $(50.61/30)=4.5+2.3=6.8$ dB</p>	<p>LTE Band IV - High Channel 16QAM-5</p> <p>Note: Offset=Cable loss (4.5) + 10log $(50.22/30)=4.5+2.2=6.7$ dB</p>



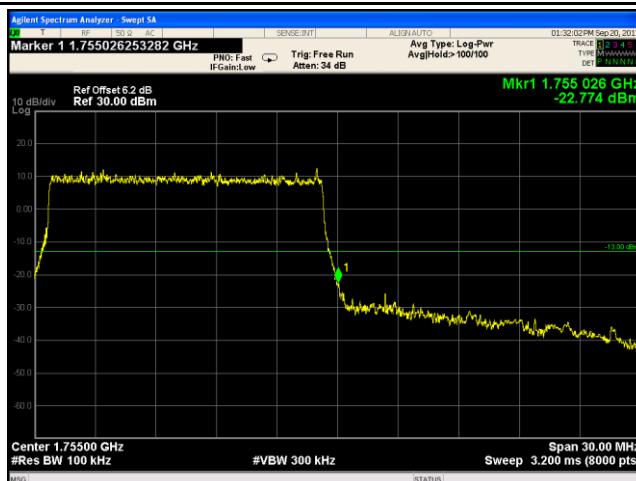
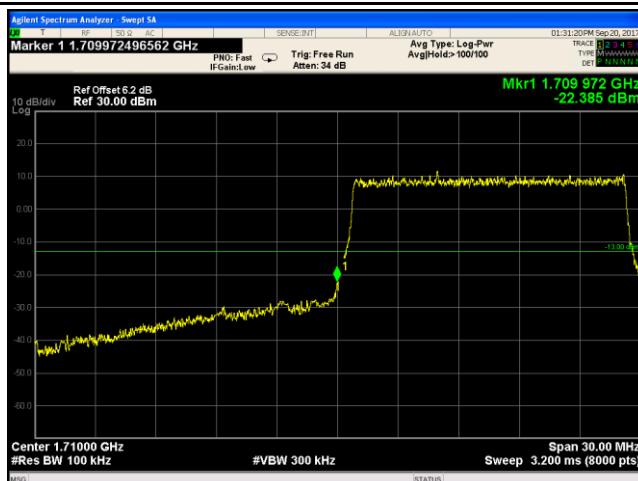
LTE Band IV - Low Channel QPSK-10

LTE Band IV - High Channel QPSK-10



LTE Band IV - Low Channel 16QAM-10

LTE Band IV - High Channel 16QAM-10

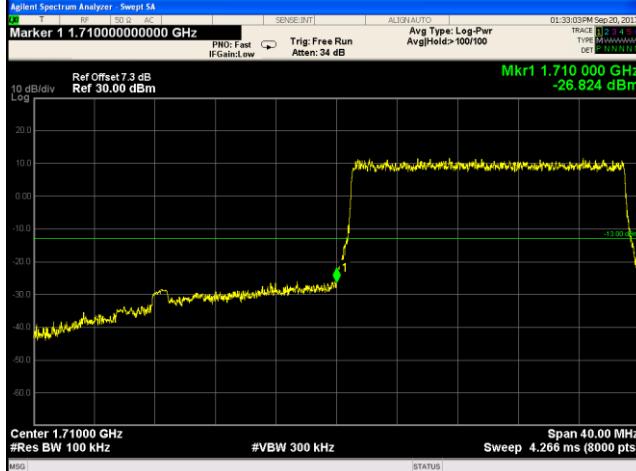
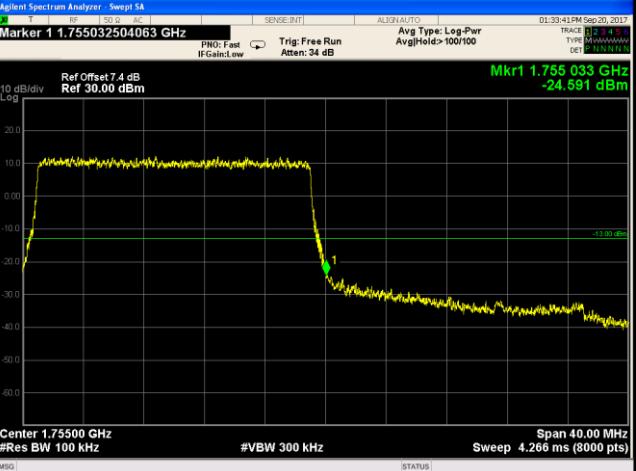


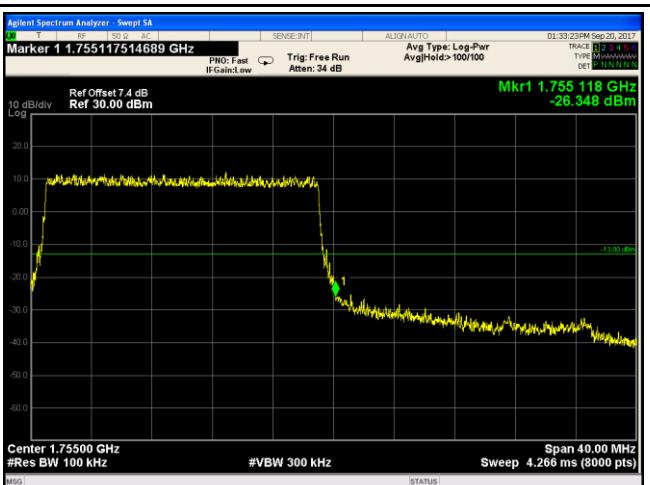
LTE Band IV - Low Channel QPSK-15

LTE Band IV - High Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log
 $(148.3/100)=4.5+1.7=6.2 \text{ dB}$

Note: Offset=Cable loss (4.5) + 10log
 $(148.7/100)=4.5+1.7=6.2 \text{ dB}$

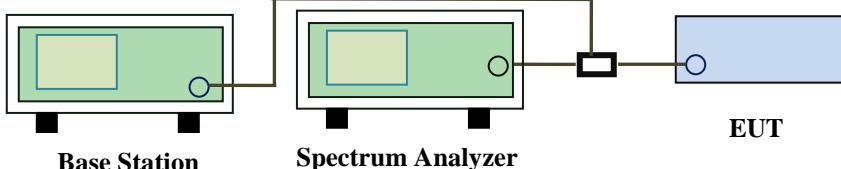
 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Marker 1 1.709998749844 GHz</p> <p>PNO: Fast IFGainLow Trig: Free Run Avg Type: Log-Pwr AvgHold>100/100</p> <p>Ref Offset 5.2 dB Ref 30.00 dBm</p> <p>Mkr1 1.709 999 GHz -24.732 dBm</p> <p>10 dB/div Log</p> <p>20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0</p> <p>Center 1.71000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.200 ms (8000 pts)</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Marker 1 1.755003750469 GHz</p> <p>PNO: Fast IFGainLow Trig: Free Run Avg Type: Log-Pwr AvgHold>100/100</p> <p>Ref Offset 6.2 dB Ref 30.00 dBm</p> <p>Mkr1 1.755 004 GHz -22.269 dBm</p> <p>10 dB/div Log</p> <p>20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0</p> <p>Center 1.75500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.200 ms (8000 pts)</p>
<p>LTE Band IV - Low Channel 16QAM-15</p> <p>Note: Offset=Cable loss (4.5) + 10log $(147.7/100)=4.5+1.7=6.2$ dB</p>	<p>LTE Band IV - High Channel 16QAM-15</p> <p>Note: Offset=Cable loss (4.5) + 10log $(148.6/100)=4.5+1.7=6.2$ dB</p>
 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Marker 1 1.710000000000 GHz</p> <p>PNO: Fast IFGainLow Trig: Free Run Avg Type: Log-Pwr AvgHold>100/100</p> <p>Ref Offset 7.3 dB Ref 30.00 dBm</p> <p>Mkr1 1.710 000 GHz -26.824 dBm</p> <p>10 dB/div Log</p> <p>20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0</p> <p>Center 1.71000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.266 ms (8000 pts)</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Marker 1 1.755032504063 GHz</p> <p>PNO: Fast IFGainLow Trig: Free Run Avg Type: Log-Pwr AvgHold>100/100</p> <p>Ref Offset 7.4 dB Ref 30.00 dBm</p> <p>Mkr1 1.755 033 GHz -24.591 dBm</p> <p>10 dB/div Log</p> <p>20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0</p> <p>Center 1.75500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.266 ms (8000 pts)</p>
<p>LTE Band IV - Low Channel QPSK-20</p> <p>Note: Offset=Cable loss (4.5) + 10log $(192.2/100)=4.5+2.8=7.3$ dB</p>	<p>LTE Band IV - High Channel QPSK-20</p> <p>Note: Offset=Cable loss (4.5) + 10log $(192.0/100)=4.5+2.9=7.4$ dB</p>

 <p>Marker 1 1.710000000000 GHz</p> <p>Ref Offset 7.3 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Mkr1 1.710 000 GHz -26.832 dBm</p> <p>Center 1.71000 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 4.266 ms (8000 pts)</p>	 <p>Marker 1 1.755117514689 GHz</p> <p>Ref Offset 7.4 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Mkr1 1.755 118 GHz -26.348 dBm</p> <p>Center 1.75500 GHz #Res BW 100 kHz #VBW 300 kHz Span 40.00 MHz Sweep 4.266 ms (8000 pts)</p>
<p>LTE Band IV - Low Channel 16QAM-20</p>	<p>LTE Band IV - High Channel 16QAM-20</p>
<p>Note: Offset=Cable loss (4.5) + 10log (191.7/100)=4.5+2.8=7.3dB</p>	<p>Note: Offset=Cable loss (4.5) + 10log (194.6/100)=4.5+2.9=7.4 dB</p>

6.8 Band Edge 27.53(m)

Temperature	23°C
Relative Humidity	58%
Atmospheric Pressure	1006mbar
Test date :	-----
Tested By :	Loren Luo

Requirement(s):

Spec	Requirement	Applicable
§27.53(m)	<p>According to FCC 27.53(m)(4) specified that power of any emmission ouutside of the channel edge must be attenuated below the transmitting power(P) by a factor shall be not less than $43+10\log(P)$dB at the channel edge, the limit of emission equal to -13dBm.</p> <p>And $55+10\log(P)$dB at 5.5MHz from the channel edges, the limit of emission equal to -25dBm. In the 1MHz bands immediately outside and adjacent to the frenqency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.</p>	<input type="checkbox"/>
Test Setup	 <p style="text-align: center;">Base Station Spectrum Analyzer EUT</p>	
Test Procedure	<ul style="list-style-type: none"> The EUT was connected to Spectrum Analyzer and Base Station via power divider. The 99% and 26 dB occupied bandwidth (BW) of the middle channel for the highest RF powers. 	
Remark		
Result	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input checked="" type="checkbox"/> N/A	

Test Data Yes N/A

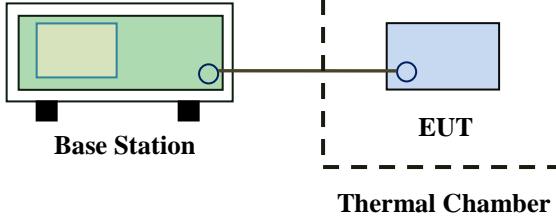
Test Plot Yes (See below) N/A

6.9 Frequency Stability

Temperature	25 °C
Relative Humidity	58%
Atmospheric Pressure	1016mbar
Test date :	September 16, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable																																
§2.1055, § 27.5(h); § 27.54	a)	<p>According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:</p> <p>Frequency Tolerance for Transmitters in the Public Mobile Services</p> <table border="1"> <thead> <tr> <th>Frequency Range (MHz)</th> <th>Base, fixed (ppm)</th> <th>Mobile ≤ 3 watts (ppm)</th> <th>Mobile ≤ 3 watts (ppm)</th> </tr> </thead> <tbody> <tr> <td>25 to 50</td> <td>20.0</td> <td>20.0</td> <td>50.0</td> </tr> <tr> <td>50 to 450</td> <td>5.0</td> <td>5.0</td> <td>50.0</td> </tr> <tr> <td>450 to 512</td> <td>2.5</td> <td>5.0</td> <td>50.0</td> </tr> <tr> <td>800 to 896</td> <td>1.5</td> <td>2.5</td> <td>2.5</td> </tr> <tr> <td>928 to 959.</td> <td>5.0</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>929 to 960.</td> <td>1.5</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>2110 to 2220</td> <td>10.0</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> <p>According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency block.</p> <p>According to §27.54, The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.</p>	Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile ≤ 3 watts (ppm)	25 to 50	20.0	20.0	50.0	50 to 450	5.0	5.0	50.0	450 to 512	2.5	5.0	50.0	800 to 896	1.5	2.5	2.5	928 to 959.	5.0	N/A	N/A	929 to 960.	1.5	N/A	N/A	2110 to 2220	10.0	N/A	N/A	<input checked="" type="checkbox"/>
Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile ≤ 3 watts (ppm)																																
25 to 50	20.0	20.0	50.0																																
50 to 450	5.0	5.0	50.0																																
450 to 512	2.5	5.0	50.0																																
800 to 896	1.5	2.5	2.5																																
928 to 959.	5.0	N/A	N/A																																
929 to 960.	1.5	N/A	N/A																																
2110 to 2220	10.0	N/A	N/A																																

Test setup	 <p>Base Station EUT</p> <p>Thermal Chamber</p>
Procedure	<p>A communication link was established between EUT and base station. The frequency error was monitored and measured by base station under variation of ambient temperature and variation of primary supply voltage.</p> <p>Limit: The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.</p>
Remark	<p>Frequency Stability versus Temperature: The Frequency tolerance of the carrier signal shall be maintained within 2.5ppm of the operating frequency over a temperature variation of -10°C to $+55^\circ\text{C}$ at normal supply voltage.</p>
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data Yes N/A

Test Plot Yes (See below) N/A

LTE Band IV (Part 27) result

Middle Channel, $f_o = 1732.5$ MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.85	-12	0.0069	2.5
0		-10	0.0058	2.5
10		-13	0.0075	2.5
20		-10	0.0058	2.5
30		-9	0.0052	2.5
40		-7	0.0040	2.5
50		-7	0.0040	2.5
55		-7	0.0040	2.5
25	4.35	-8	0.0046	2.5
	3.35	-13	0.0075	2.5

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
RF Conducted Test					
Agilent ESA-E SERIES SPECTRUM ANALYZER	E4407B	MY45108319	09/15/2016	09/14/2017	<input checked="" type="checkbox"/>
Power Splitter	1#	1#	08/30/2017	08/29/2018	<input checked="" type="checkbox"/>
Universal Radio Communication Tester	CMU200	121393	09/24/2016	09/23/2017	<input checked="" type="checkbox"/>
Wideband Radio Communication Tester	CMW500	120906	03/26/2017	03/25/2018	<input checked="" type="checkbox"/>
Temperature/Humidity Chamber	UHL-270	001	10/08/2016	10/07/2017	<input checked="" type="checkbox"/>
DC Power Supply	E3640A	MY40004013	09/16/2016	09/15/2017	<input checked="" type="checkbox"/>
RF Power Sensor	Dare RPR3006C/P/W	AY554013	09/16/2016	09/15/2017	<input checked="" type="checkbox"/>
Radiated Emissions					
EMI test receiver	ESL6	100262	09/16/2016	09/15/2017	<input checked="" type="checkbox"/>
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/30/2017	08/29/2018	<input checked="" type="checkbox"/>
Microwave Preamplifier (0.5 ~ 18GHz)	PAM-118	443008	08/30/2017	08/29/2018	<input checked="" type="checkbox"/>
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/20/2016	09/19/2017	<input checked="" type="checkbox"/>
Bilog Antenna (30MHz~2GHz)	JB1	A112017	09/20/2016	09/19/2017	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71259	09/23/2016	09/22/2017	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/23/2016	09/22/2017	<input checked="" type="checkbox"/>
SYNTHESIZED SIGNAL GENERATOR	8665B	3744A01293	09/16/2016	09/15/2017	<input checked="" type="checkbox"/>

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Tunable Notch Filter	3NF-800/1000-S	AA4	08/30/2017	08/29/2018	<input checked="" type="checkbox"/>
Tunable Notch Filter	3NF-1000/2000-S	AM 4	08/30/2017	08/29/2018	<input checked="" type="checkbox"/>

Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo

Whole Package View



Adapter - Lable 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



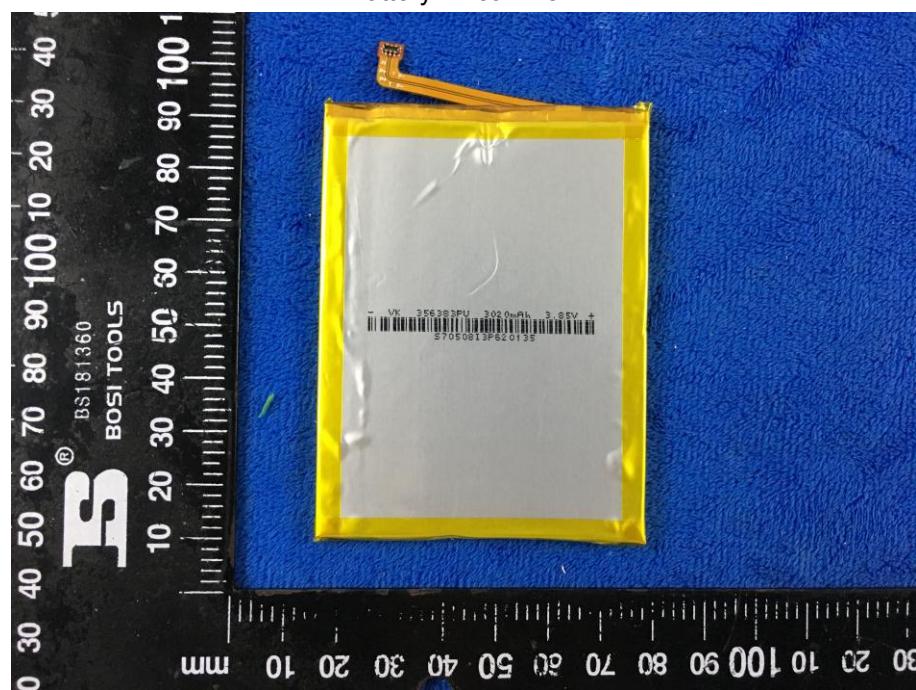
Cover Off - Top View 2



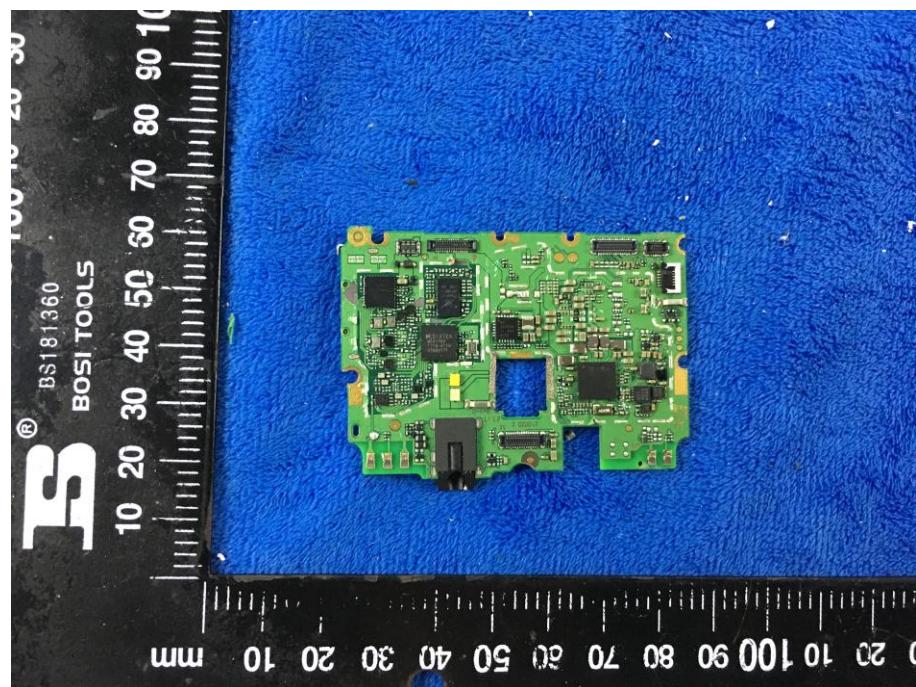
Battery - Front View



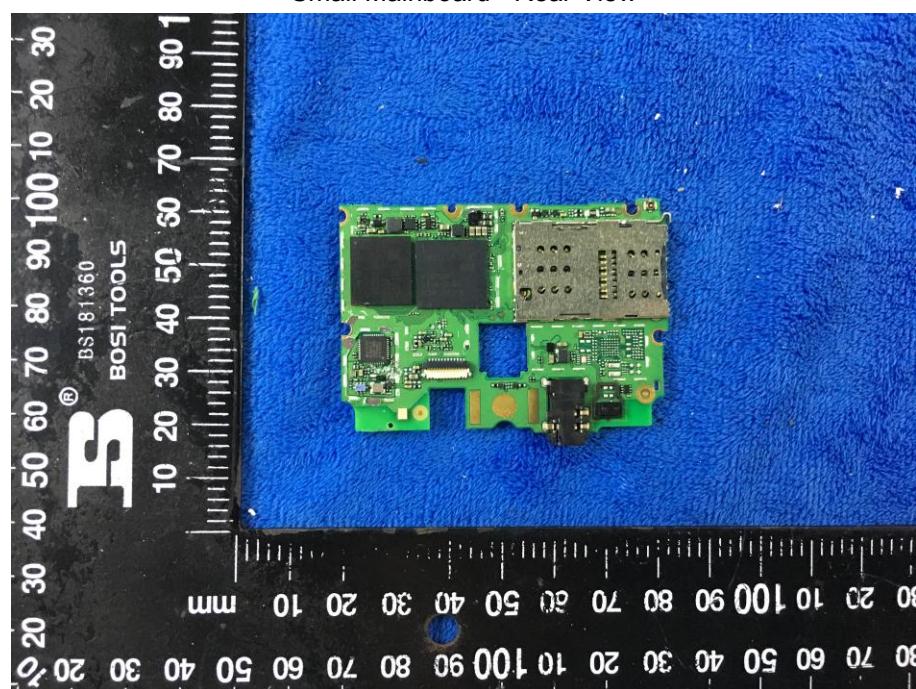
Battery - Rear View



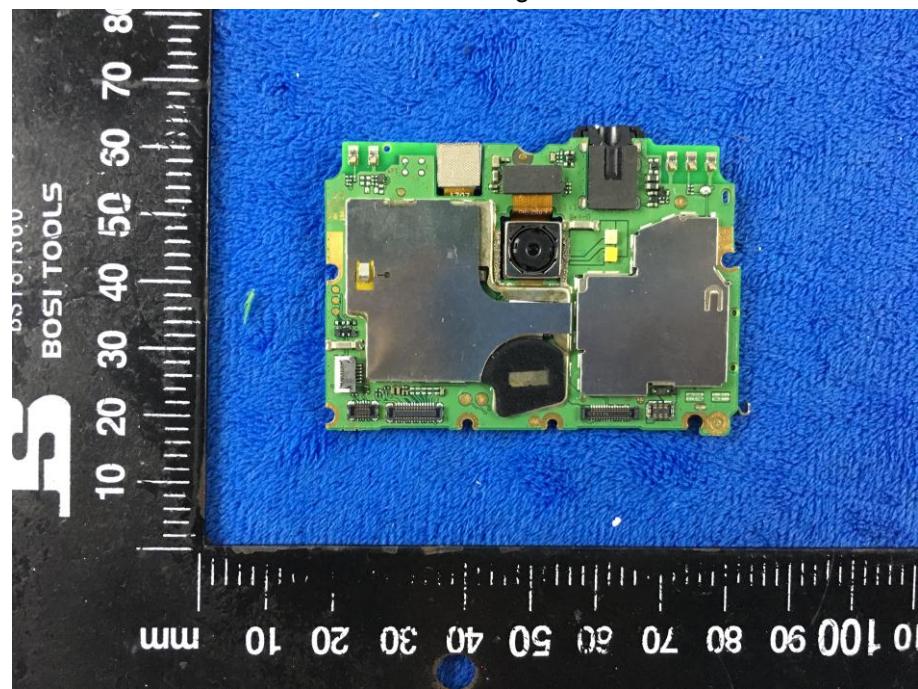
Small Mainboard - Front View



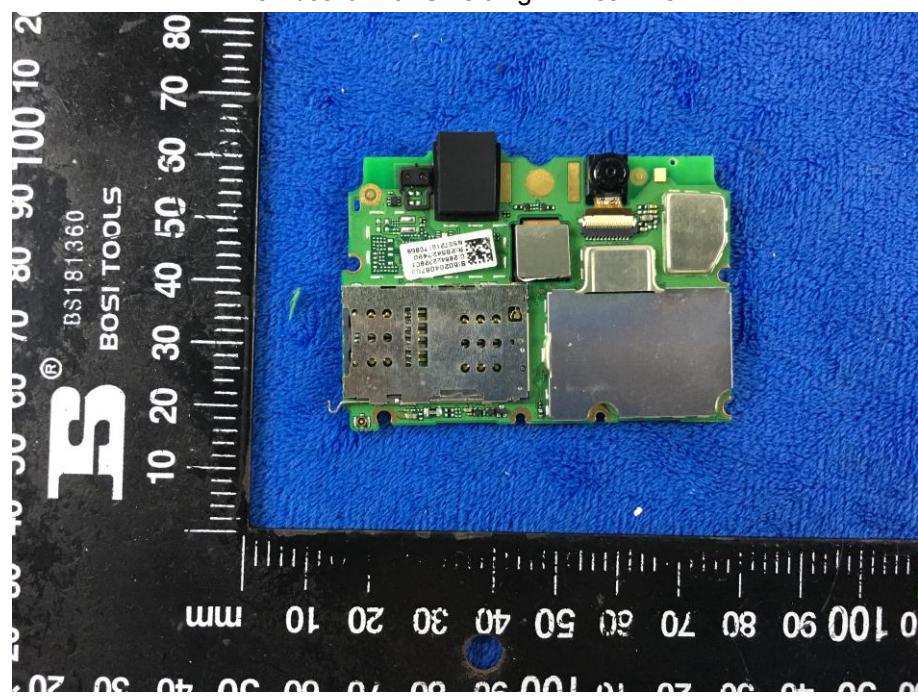
Small Mainboard - Rear View



Mainboard with Shielding – Front View



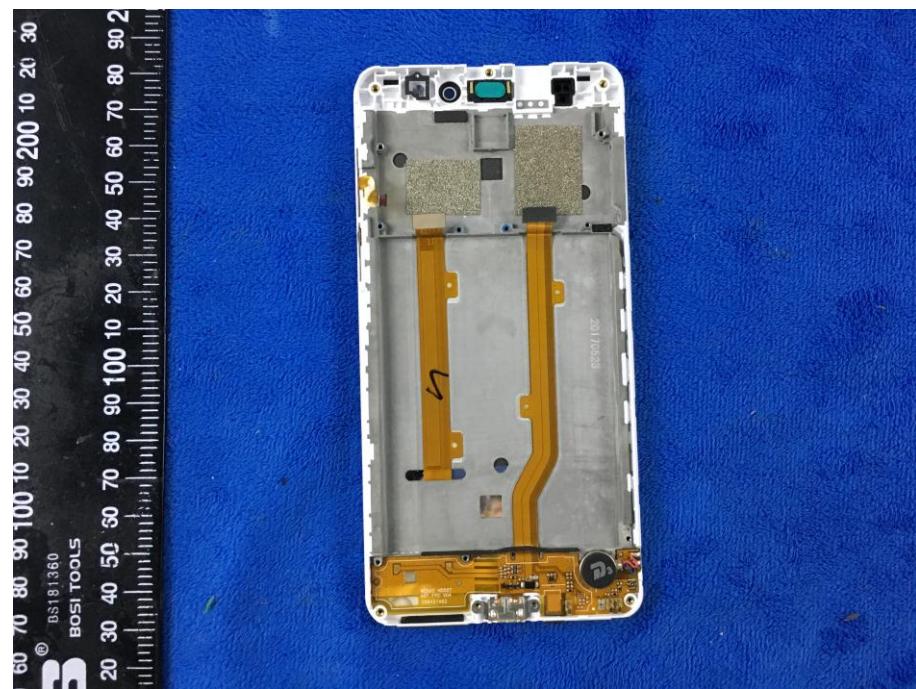
Mainboard with Shielding – Rear View



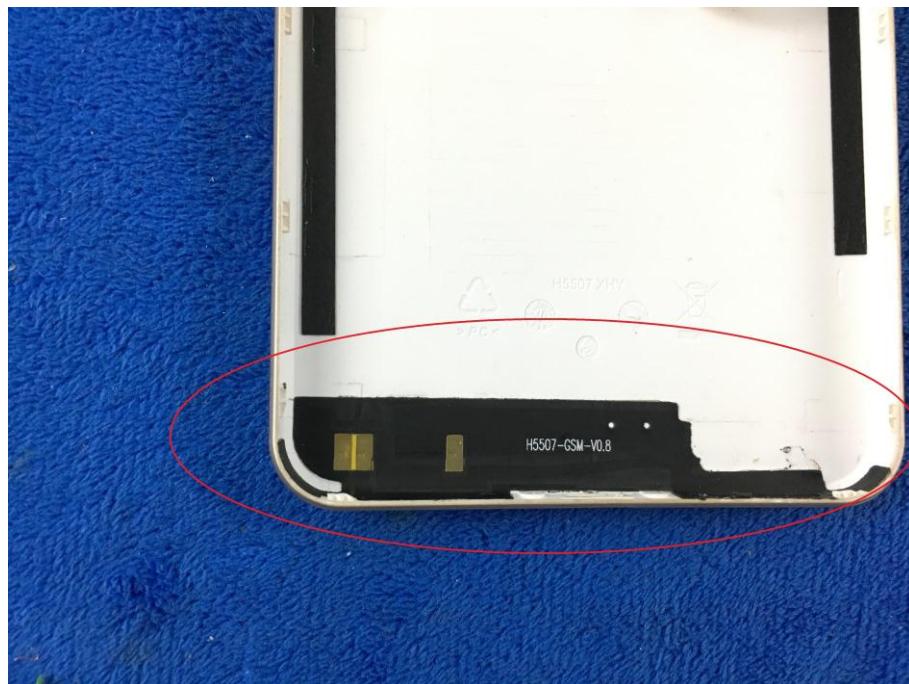
LCD – Front View



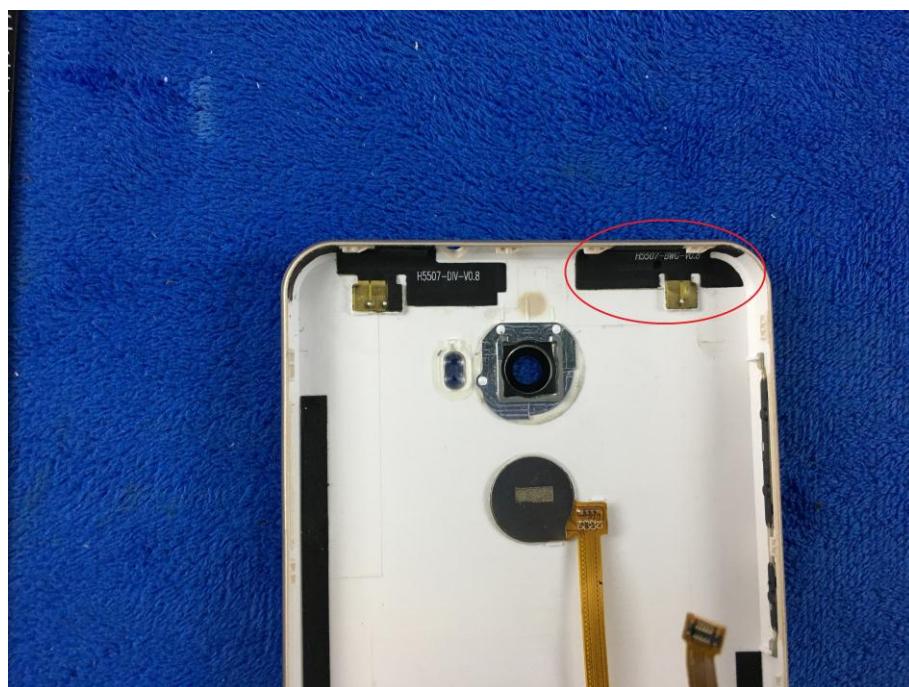
LCD – Rear View



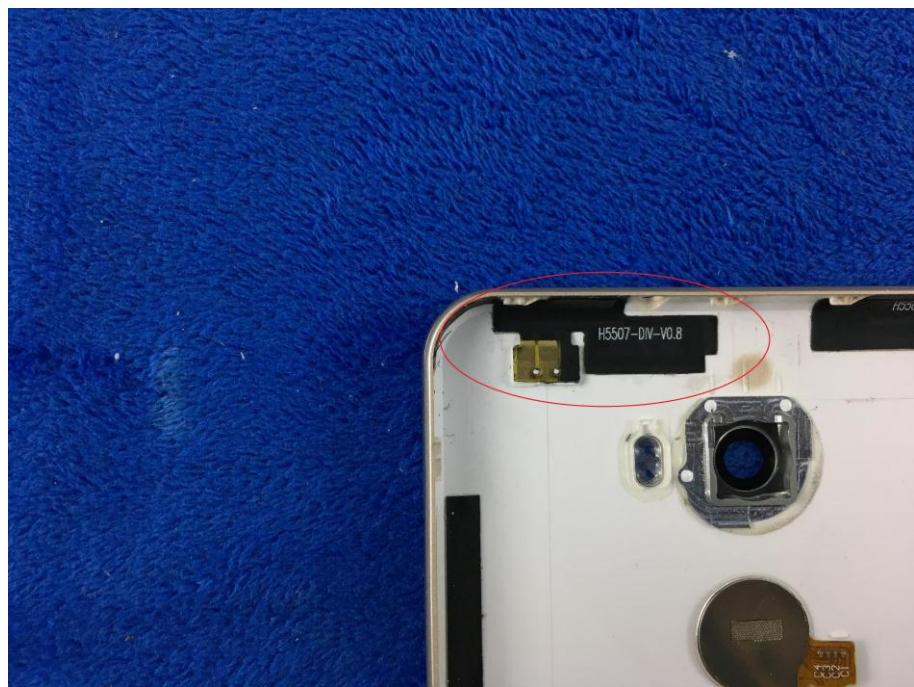
GSM/PCS/UMTS-FDD - Antenna View



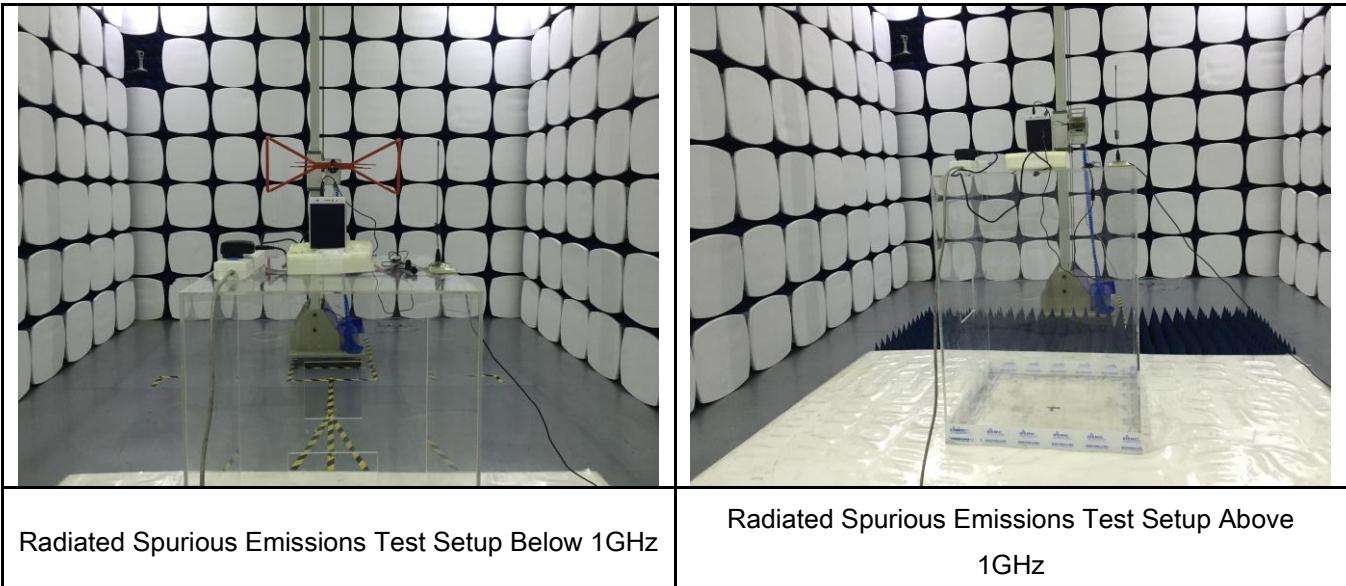
WIFI/BT/BLE/GPS - Antenna View



LTE - Antenna View



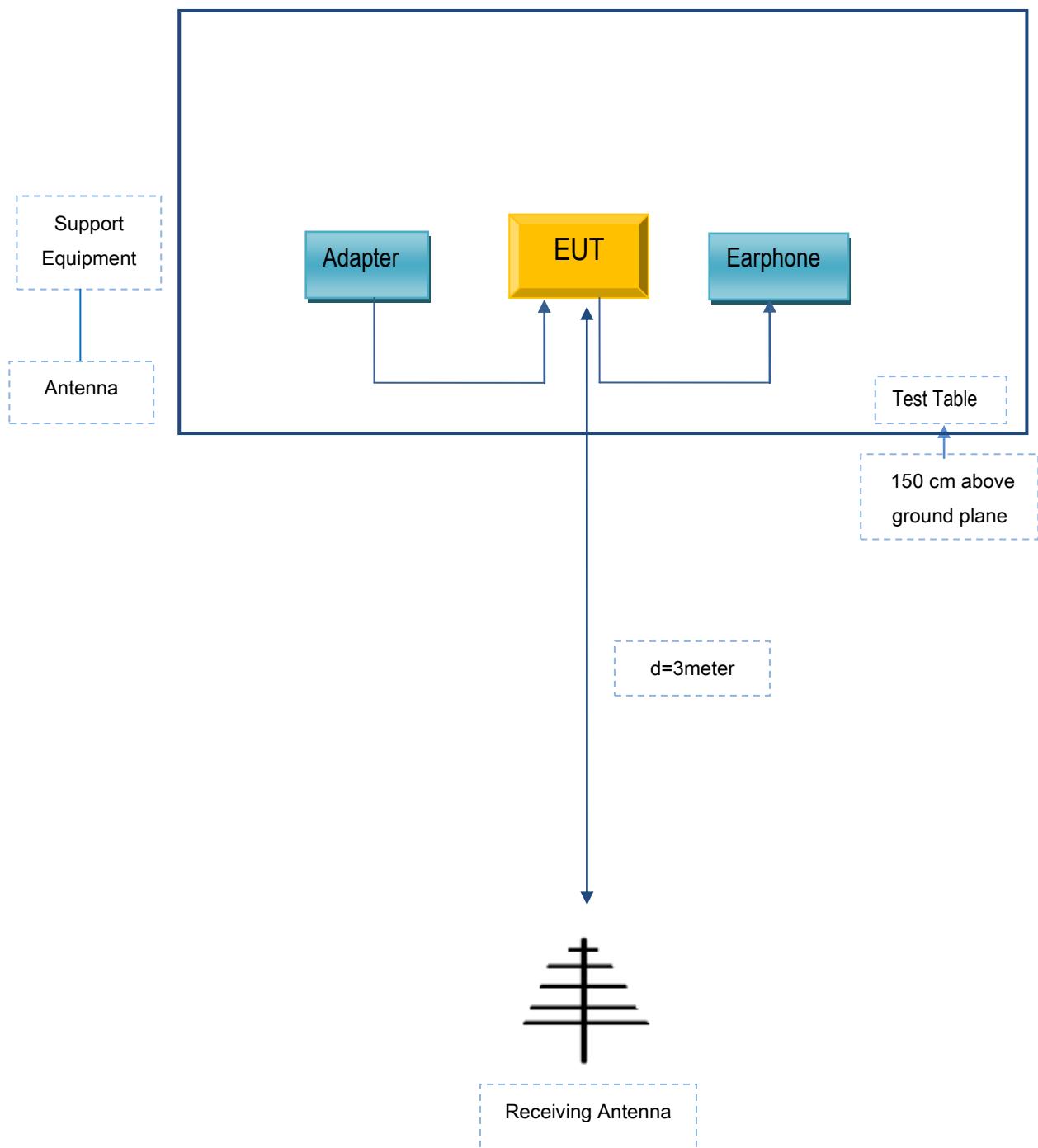
Annex B.iii. Photograph: Test Setup Photo



Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for Radiated Emissions



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
Mobiwire Mobiles (Ningbo) Co.,Ltd	Adapter	S005UA0500100	N/A
Mobiwire Mobiles (Ningbo) Co.,Ltd	headset	N552	N/A

Supporting Cable:

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

Annex C.ii. EUT OPERATING CONDITIONS

N/A

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

Please see the attachment

Annex E. DECLARATION OF SIMILARITY

N/A