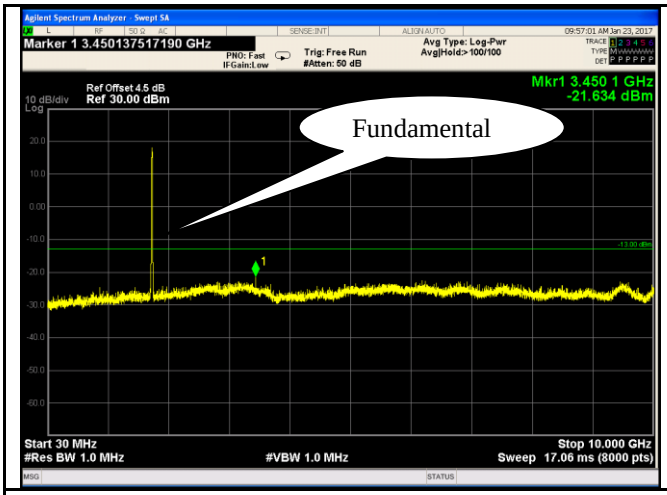
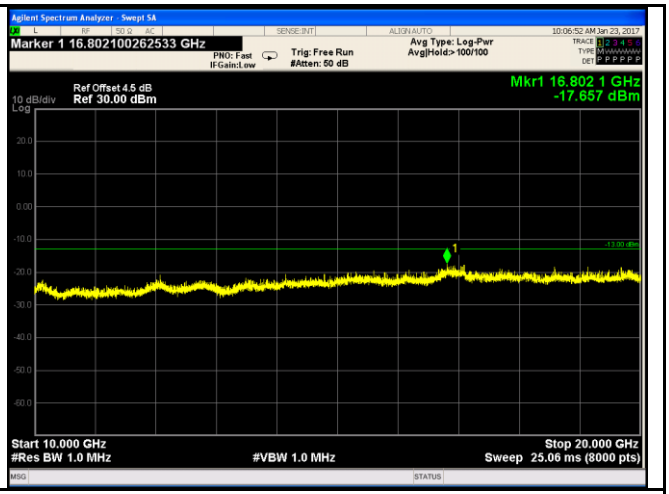
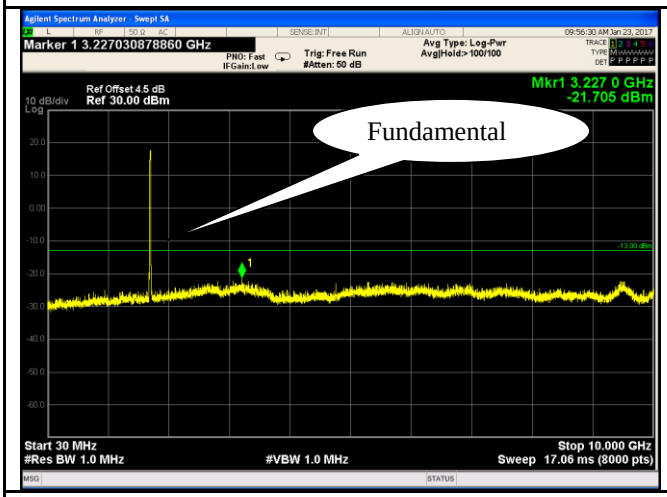
LTE Band 4 (Part27) result



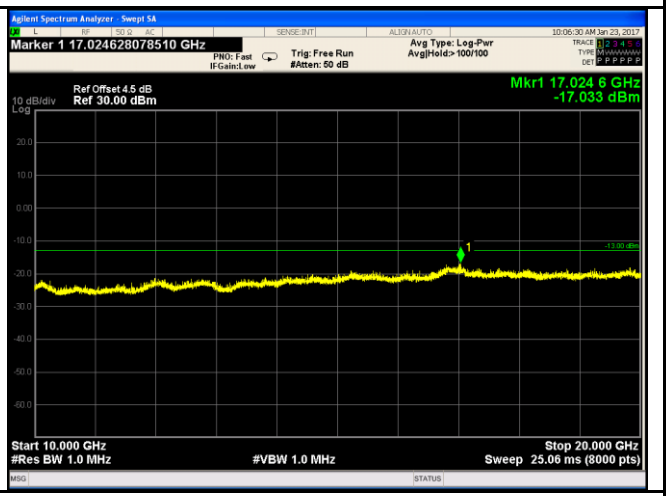
LTE Band 4 - Low Channel-1



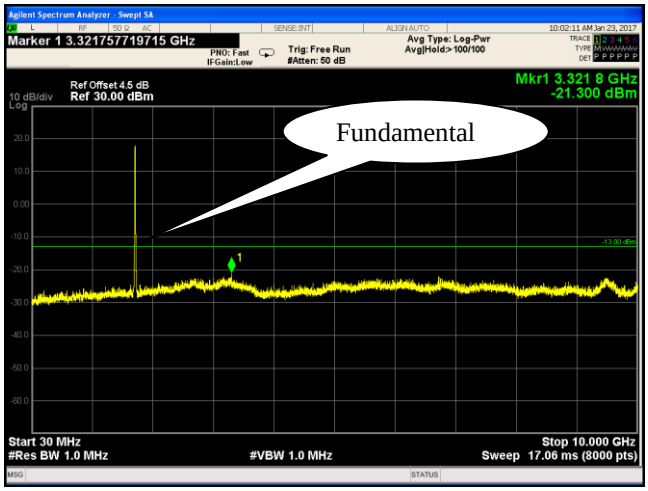
LTE Band 4 - Low Channel-2



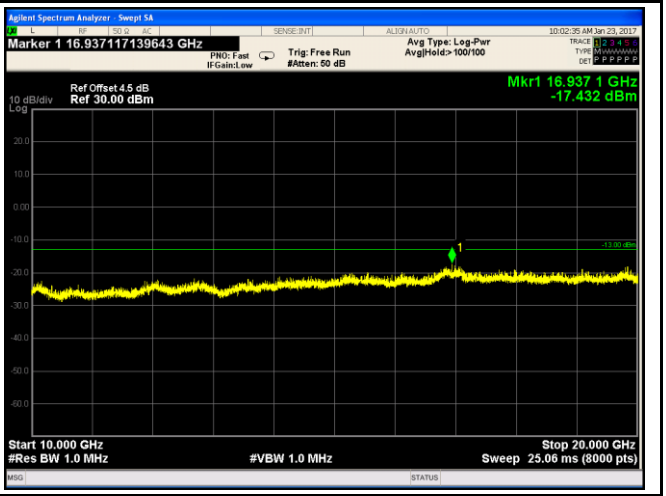
LTE Band 4 - Middle Channel-1



LTE Band 4 - Middle Channel-2



LTE Band 4 - High Channel-1

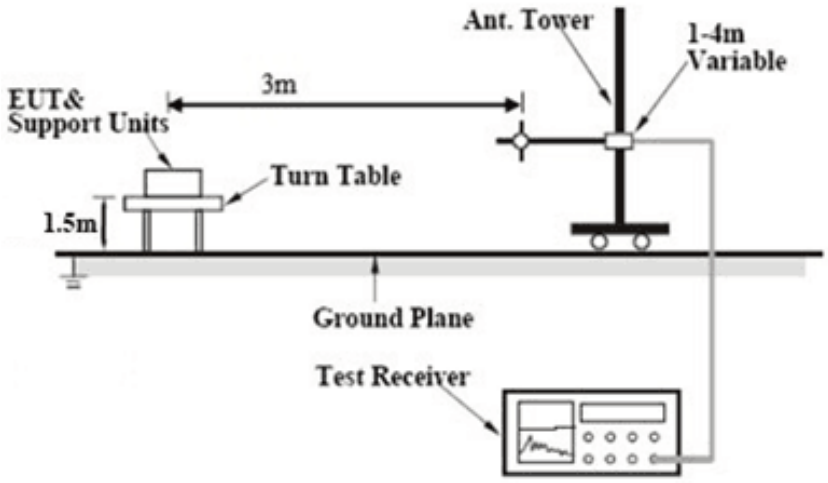


LTE Band 4 - High Channel-2

6.6 Spurious Radiated Emissions

Temperature	23 °C
Relative Humidity	55%
Atmospheric Pressure	1022mbar
Test date :	January 22, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§2.1053, §22.917 & §24.238 § 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.	☑
Test setup			
Test Procedure	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. Sample Calculation: EUT Field Strength = Raw Amplitude (dBμV/m) – Amplifier Gain (dB) + Antenna Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used)		

Remark	
Result	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

Test Plot ☐ Yes (See below) ☑ N/A

LTE Band 2 (Part 24E) 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)
3720	-46.59	V	10.25	2.73	-39.07	-13	-26.07
3720	-46.97	H	10.25	2.73	-39.45	-13	-26.45
51.3	-45.26	V	-4.2	0.11	-49.57	-13	-36.57
206.9	-48.69	H	4.6	0.18	-44.27	-13	-31.27

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3760	-49.22	V	10.25	2.73	-41.7	-13	-28.7
3760	-47.61	H	10.25	2.73	-40.09	-13	-27.09
49.7	-44.98	V	-4.2	0.11	-49.29	-13	-36.29
205.1	-47.86	H	4.6	0.18	-43.44	-13	-30.44

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3800	-45.66	V	10.36	2.73	-38.03	-13	-25.03
3800	-46.89	H	10.36	2.73	-39.26	-13	-26.26
50.6	-44.92	V	-4.2	0.11	-49.23	-13	-36.23
204.3	-46.87	H	4.6	0.18	-42.45	-13	-29.45

Note:

*1, The testing has been conformed to 10*1907.5MHz=19,075MHz*
2, All other emissions more than 30 dB below the limit
3, X-Axis, Y-Axis and –Axis were investigated. The results above show only the worst case.

LTE Band 4(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	-46.12	V	10.06	2.52	-38.58	-13	-25.58
3440	-47.21	H	10.06	2.52	-39.67	-13	-26.67
50.1	-45.62	V	-4.2	0.11	-49.93	-13	-36.93
202.6	-48.63	H	4.6	0.18	-44.21	-13	-31.21

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	-46.29	V	10.09	2.52	-38.72	-13	-25.72
3465	-47.31	H	10.09	2.52	-39.74	-13	-26.74
50.4	-46.59	V	-4.2	0.11	-50.9	-13	-37.9
207.3	-49.57	H	4.6	0.18	-45.15	-13	-32.15

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	-46.08	V	10.09	2.52	-38.51	-13	-25.51
3490	-47.21	H	10.09	2.52	-39.64	-13	-26.64
51.2	-46.38	V	-4.2	0.11	-50.69	-13	-37.69
206.3	-49.16	H	4.6	0.18	-44.74	-13	-31.74

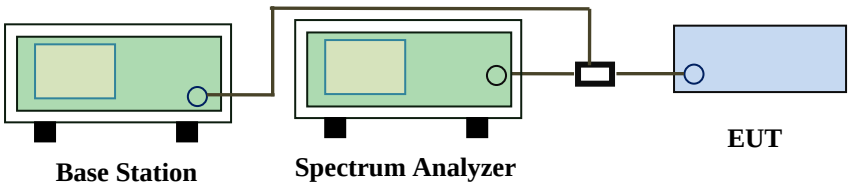
Note:

*1, The testing has been conformed to 10*1752.5MHz=17,525MHz*
2, All other emissions more than 30 dB below the limit
3, X-Axis, Y-Axis and –Axis were investigated. The results above show only the worst case.

6.7 Band Edge

Temperature	24 °C
Relative Humidity	56%
Atmospheric Pressure	1023mbar
Test date :	January 23, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§22.917(a) §24.238(a) § 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.	☑
Test setup			
Procedure	- 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	☑ Pass ☐ Fail		

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

LTE Band 2 (Part 24E) result

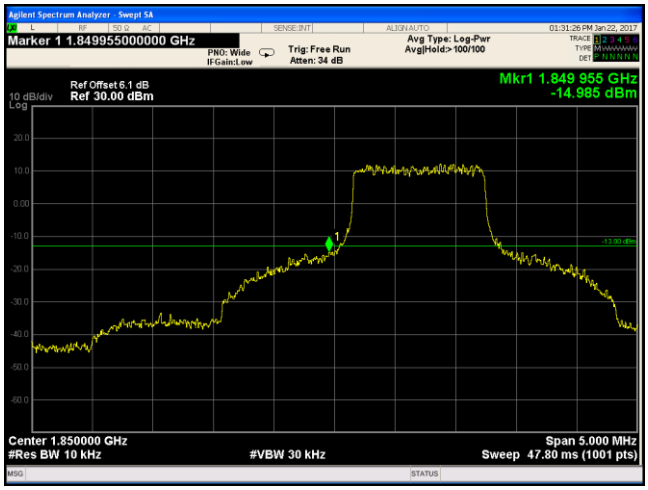
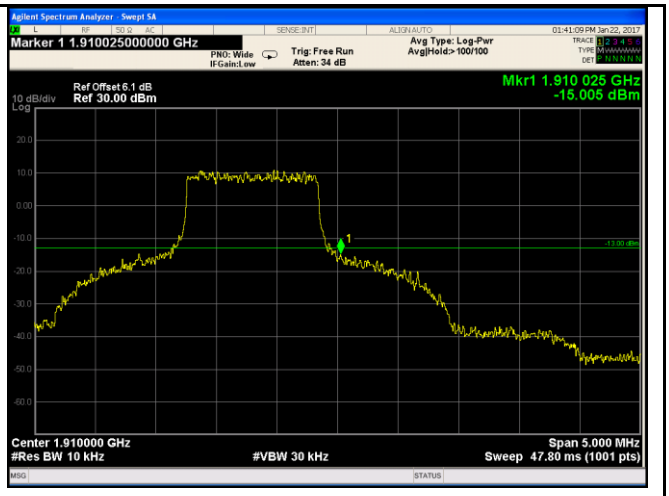
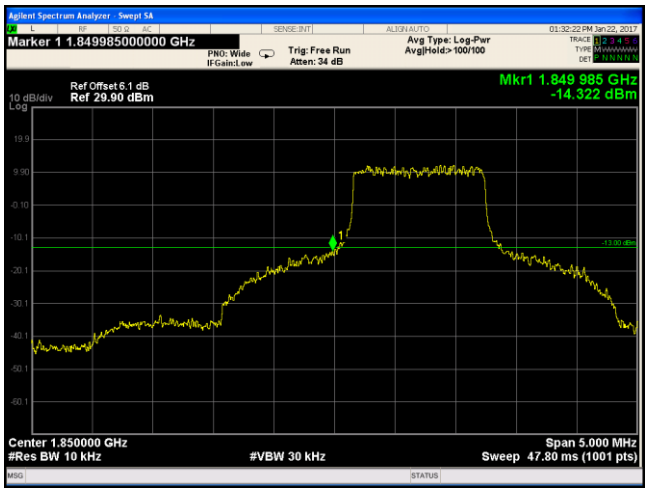
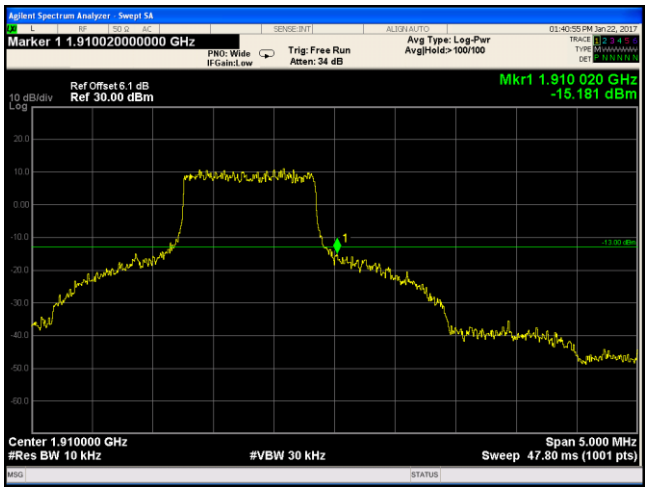
BW(MHz)	Channel	Frequency (MHz)	Mode	Emission (dBm)	Limit (dBm)
1.4	18607	1850.7	QPSK	-14.985	-13
			16QAM	-14.322	-13
1.4	18900	1909.3	QPSK	-15.005	-13
			16QAM	-15.181	-13
3	18615	1851.5	QPSK	-16.208	-13
			16QAM	-14.843	-13
3	19185	1908.5	QPSK	-15.282	-13
			16QAM	-15.816	-13
5	18625	1852.5	QPSK	-17.033	-13
			16QAM	-16.962	-13
5	19175	1907.5	QPSK	-18.858	-13
			16QAM	-19.913	-13
10	18650	1855	QPSK	-16.845	-13
			16QAM	-16.483	-13
10	19150	1905	QPSK	-19.588	-13
			16QAM	-20.332	-13
15	18675	1857.5	QPSK	-18.791	-13
			16QAM	-18.925	-13
15	19125	1902.5	QPSK	-20.383	-13
			16QAM	-17.882	-13
20	18700	1860	QPSK	-21.790	-13
			16QAM	-21.271	-13
20	19100	1900	QPSK	-19.579	-13
			16QAM	-19.918	-13

LTE Band 4 (Part 27) result

BW(MHz)	Channel	Frequency (MHz)	Mode	Emission (dBm)	Limit (dBm)
1.4	19957	1710.7	QPSK	-18.926	-13
			16QAM	-18.167	-13
1.4	20393	1754.3	QPSK	-17.374	-13
			16QAM	-17.126	-13
3	19965	1711.5	QPSK	-19.340	-13
			16QAM	-18.911	-13
3	20385	1753.5	QPSK	-18.113	-13
			16QAM	-16.627	-13
5	19975	1712.5	QPSK	-20.663	-13
			16QAM	-18.635	-13
5	20375	1752.5	QPSK	-19.369	-13
			16QAM	-17.010	-13
10	20000	1715	QPSK	-17.941	-13
			16QAM	-17.064	-13
10	20350	1750	QPSK	-19.152	-13
			16QAM	-19.352	-13
15	20025	1717.5	QPSK	-21.604	-13
			16QAM	-21.491	-13
15	20325	1747.5	QPSK	-17.907	-13
			16QAM	-15.729	-13
20	20050	1720	QPSK	-22.695	-13
			16QAM	-21.481	-13
20	20300	1745	QPSK	-19.583	-13
			16QAM	-20.262	-13

Test Plots

LTE Band 2 (Part 24E)

<table>
<tr><td> 
</td><td> 
</td></tr>
<tr><td>LTE Band 2 - Low Channel QPSK-1.4</td><td>LTE Band 2 - High Channel QPSK-1.4</td></tr>
<tr><td>Note: Offset=Cable loss (4.5) + 10log (14.4/10)=4.5+1.6=6.1dB</td><td>Note: Offset=Cable loss (4.5) + 10log (14.72/10)=4.5+1.6=6.1dB</td></tr>
<tr><td> 
</td><td> 
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<tr><td>LTE Band 2 - Low Channel 16QAM-1.4</td><td>LTE Band 2 - High Channel 16QAM-1.4</td></tr>
<tr><td>Note: Offset=Cable loss (4.5) + 10log (14.44/10)=4.5+1.6=6.1dB</td><td>Note: Offset=Cable loss (4.5) + 10log (14.34/10)=4.5+1.6=6.1 dB</td></tr>
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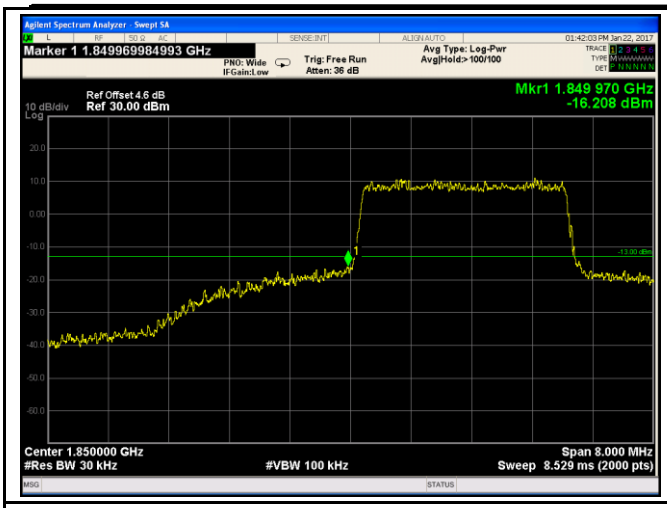
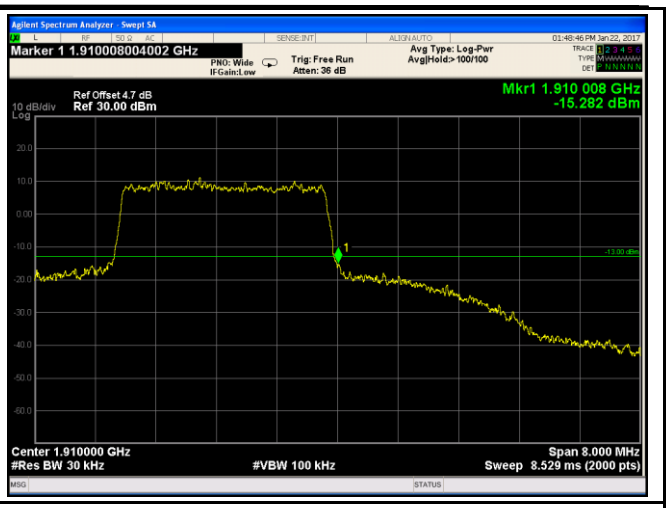


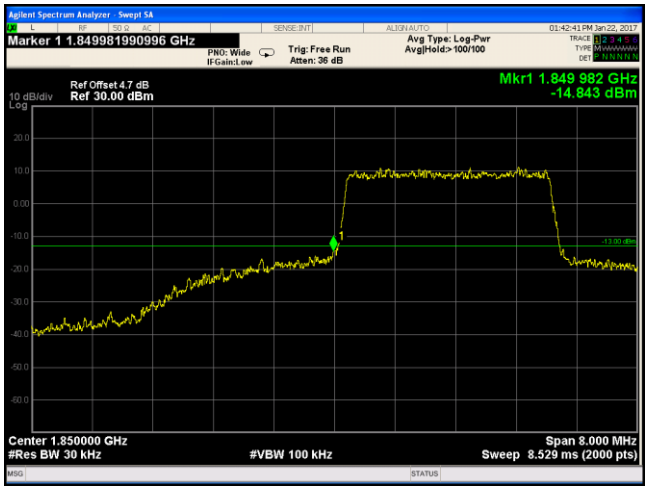
LTE Band 2 - Low Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log (30.81/30)=4.5+0.1=4.6 dB



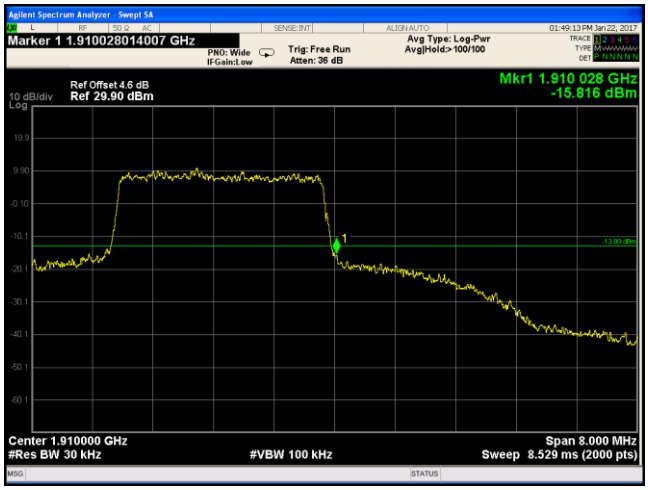
LTE Band 2 - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log (31.74/30)=4.5+0.2=4.7 dB



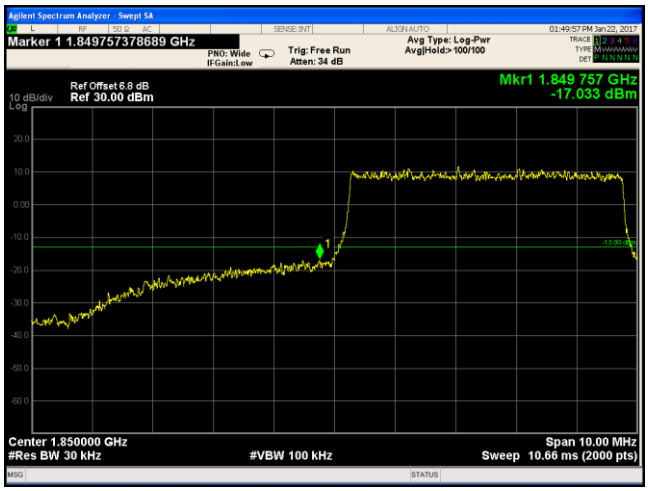
LTE Band 2 - Low Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log (31.33/30)=4.5+0.2=4.7 dB

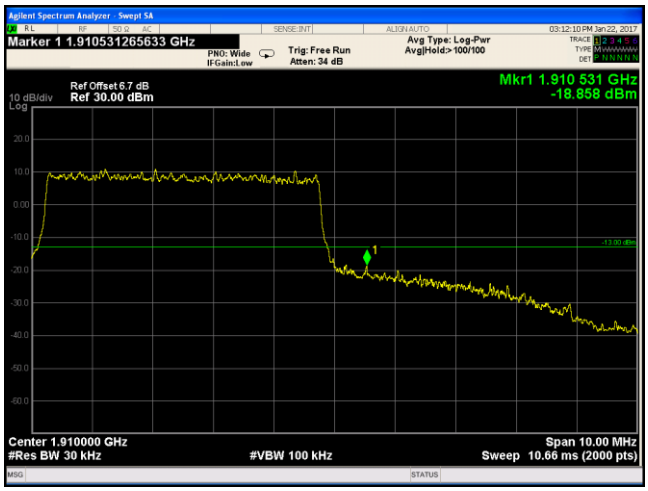


LTE Band 2 - High Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log (31.28/30)=4.5+0.1=4.6 dB

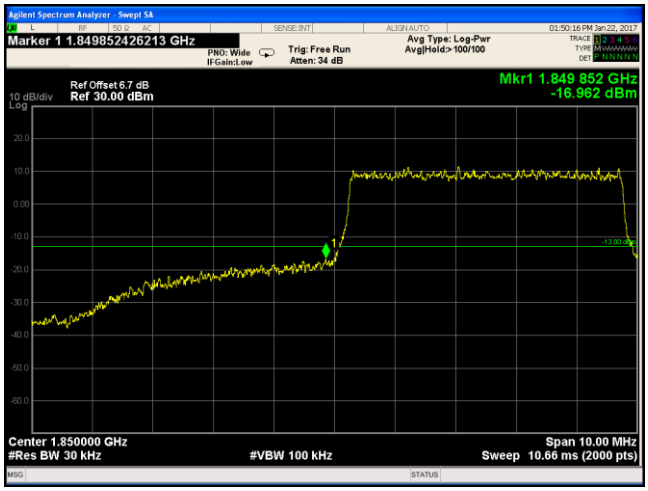


LTE Band 2 - Low Channel QPSK-5



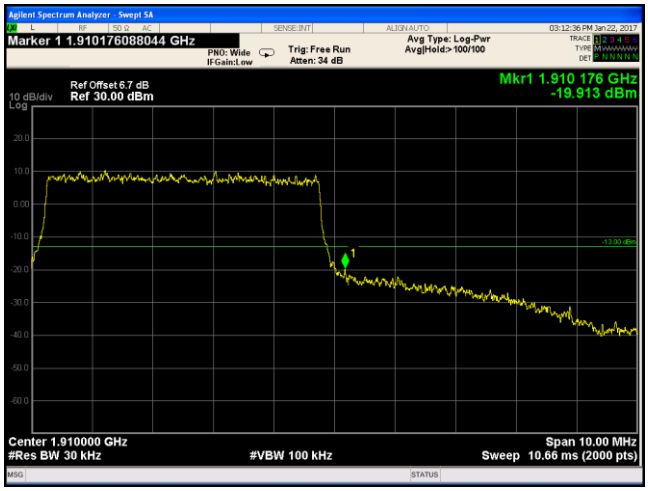
LTE Band 2 - High Channel QPSK-5

Note: Offset=Cable loss (4.5) + 10log (50.53/30)=4.5+2.3=6.8 dB



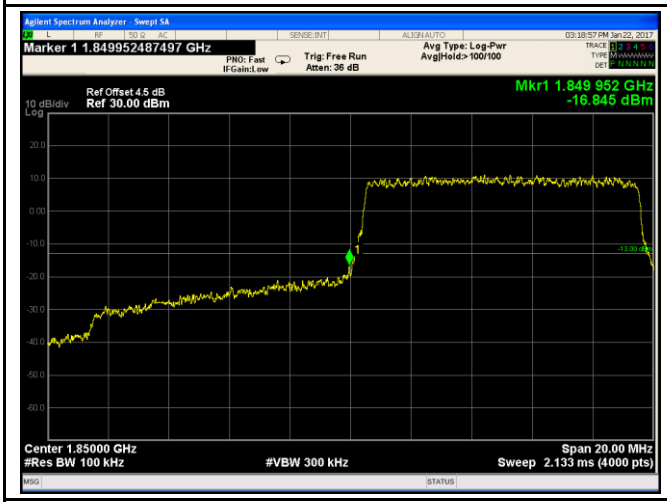
LTE Band 2 - Low Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log (50.32/30)=4.5+2.2=6.7 dB



LTE Band 2 - High Channel 16QAM-5

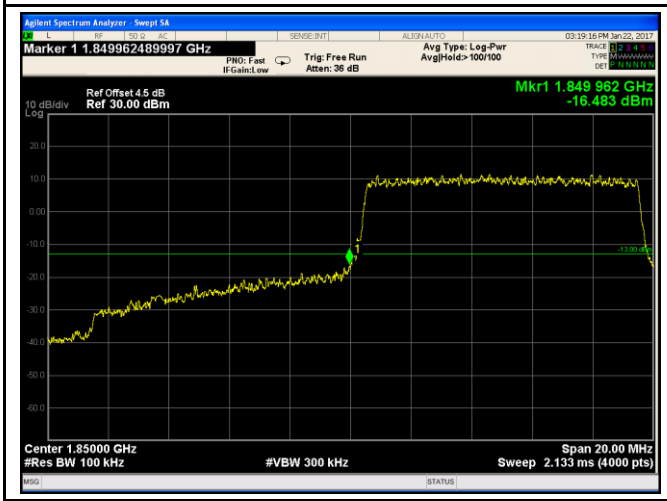
Note: Offset=Cable loss (4.5) + 10log (50.23/30)=4.5+2.2=6.7 dB



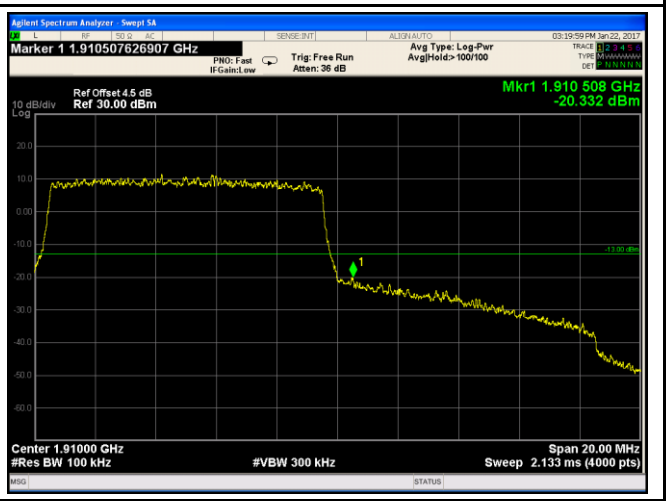
LTE Band 2 - Low Channel QPSK-10

Note: Offset=Cable loss (4.5) + 10log (50.21/30)=4.5+2.2=6.7 dB

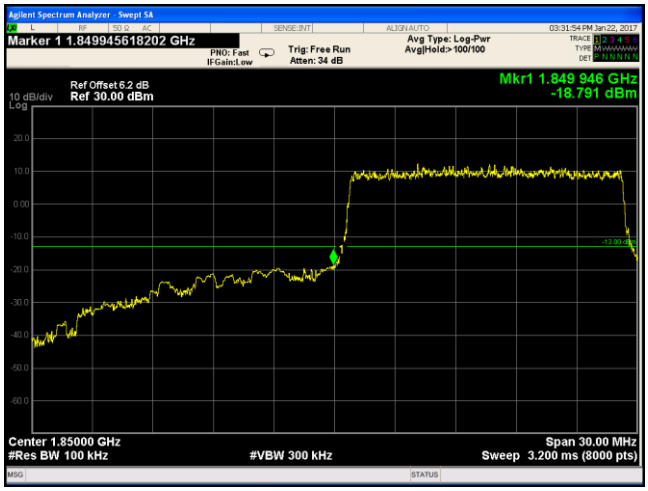
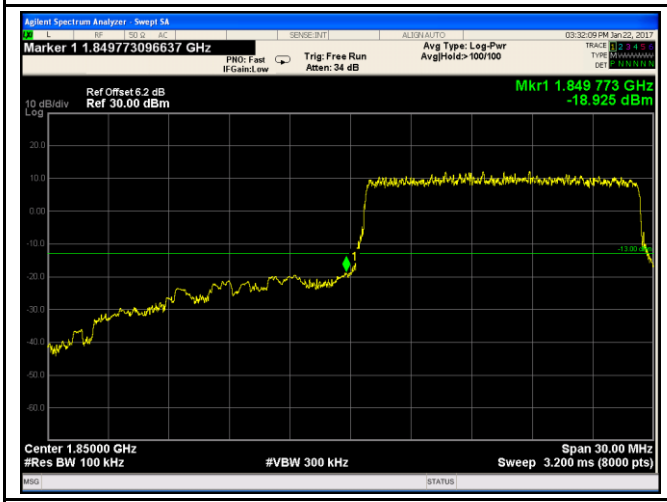
LTE Band 2 - High Channel QPSK-10

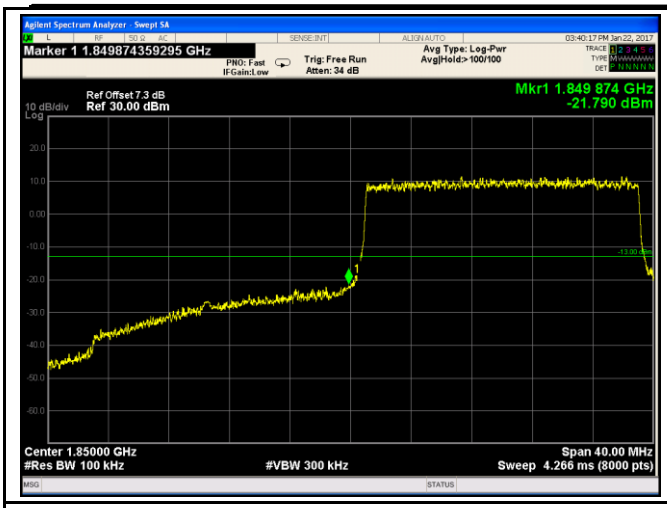


LTE Band 2 - Low Channel 16QAM-10



LTE Band 2 - High Channel 16QAM-10

Note: Offset=Cable loss (4.5) + 10log (102.2/100)=4.5+0.0=4.5 dB	Note: Offset=Cable loss (4.5) + 10log (101.6/100)=4.5+0.0=4.5 dB
	
LTE Band 2 - Low Channel QPSK-15	LTE Band 2 - High Channel QPSK-15
Note: Offset=Cable loss (4.5) + 10log (149.5/100)=4.5+1.7=6.2 dB	Note: Offset=Cable loss (4.5) + 10log (146/100)=4.5+1.6=6.1 dB
	
LTE Band 2 - Low Channel 16QAM-15	LTE Band 2 - High Channel 16QAM-15
Note: Offset=Cable loss (4.5) + 10log (148.5/100)=4.5+1.7=6.2 dB	Note: Offset=Cable loss (4.5) + 10log (145.9/100)=4.5+1.6=6.1 dB

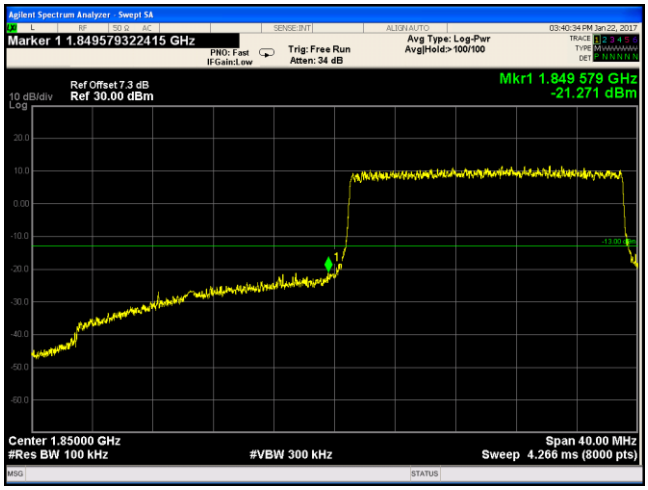


LTE Band 2 - Low Channel QPSK-20

Note: Offset=Cable loss (4.5) + 10log (191.2/100)=4.5+2.8=7.3 dB

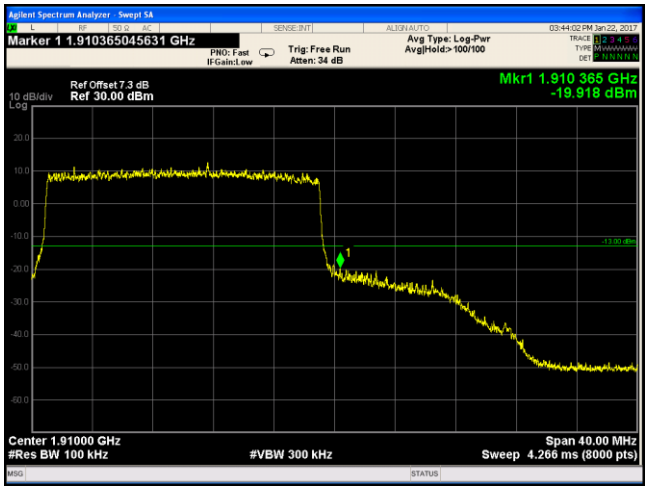
LTE Band 2 - High Channel QPSK-20

Note: Offset=Cable loss (4.5) + 10log (192.7/100)=4.5+2.8=7.3 dB



LTE Band 2 - Low Channel 16QAM-20

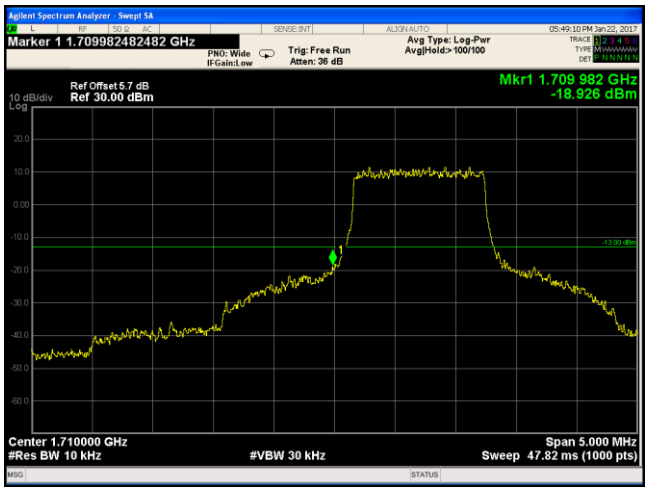
Note: Offset=Cable loss (4.5) + 10log (190.9/100)=4.5+2.8=7.3 dB



LTE Band 2 - High Channel 16QAM-20

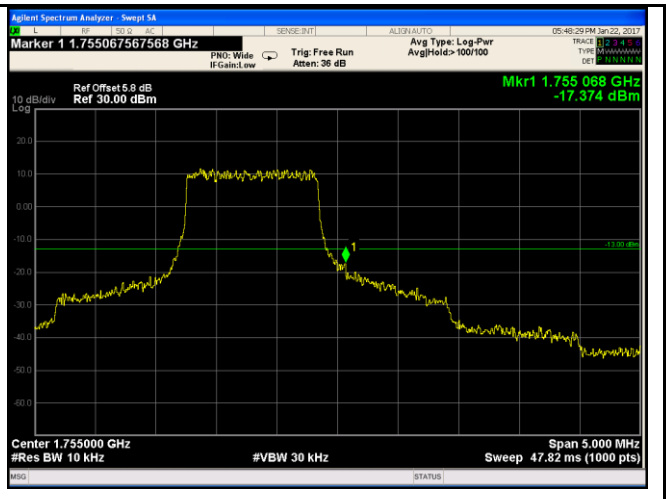
Note: Offset=Cable loss (4.5) + 10log (192.4/100)=4.5+2.8=7.3 dB

LTE Band 4 (Part 27)



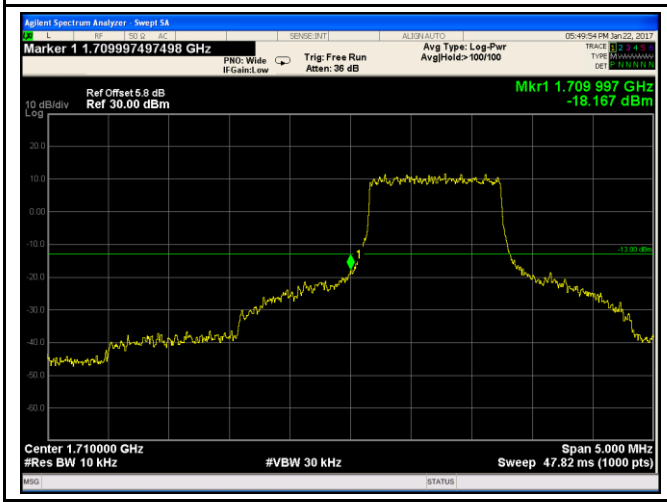
LTE Band 4 - Low Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log (13.44/10)=4.5+1.2=5.7 dB



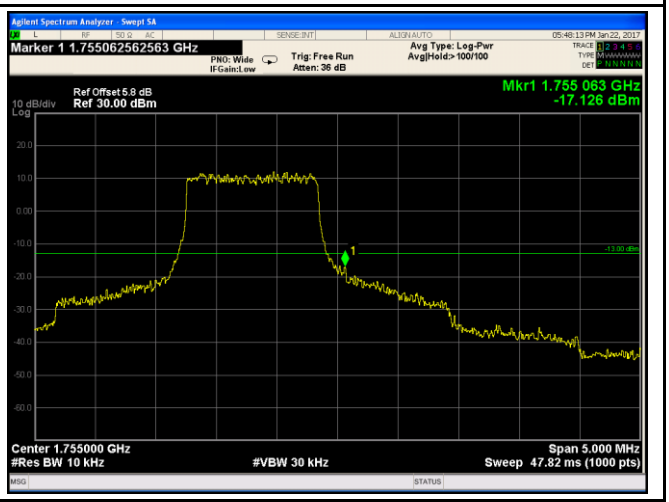
LTE Band 4 - High Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log (13.37/10)=4.5+1.3=5.8 dB



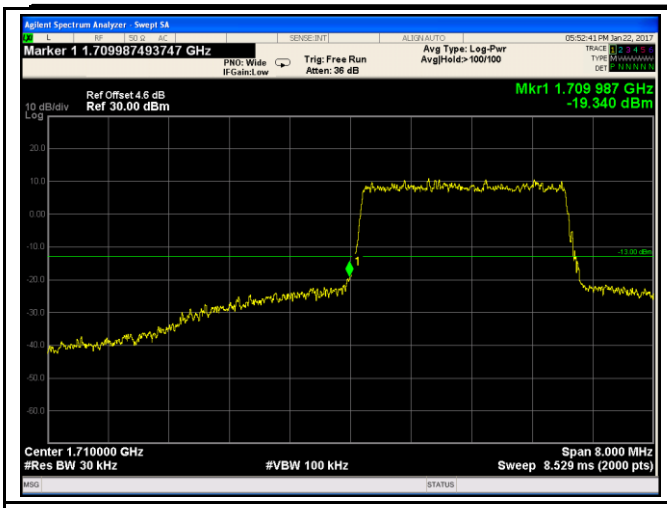
LTE Band 4 - Low Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log (13.22/10)=4.5+1.3=5.8 dB

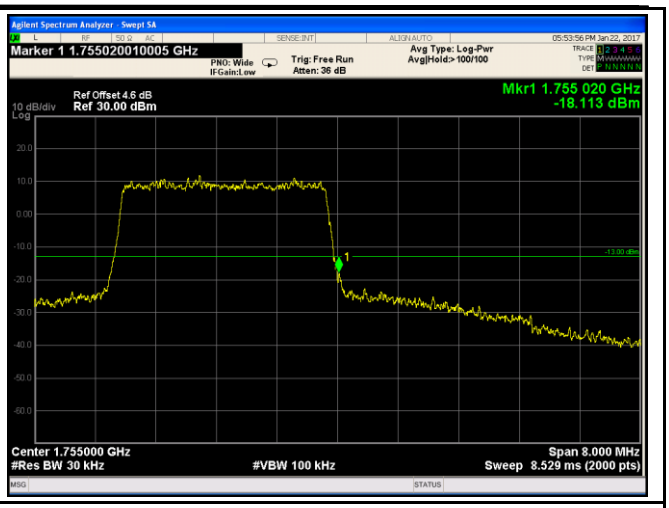


LTE Band 4 - High Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log ((13.38/10)=4.5+1.3=5.8 dB



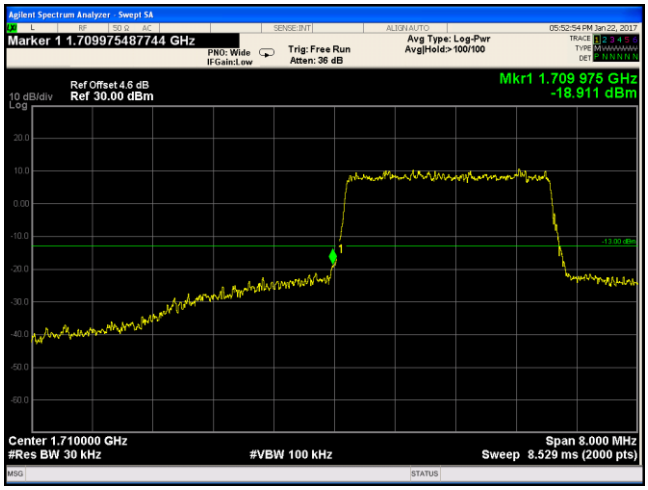
LTE Band 4 - Low Channel QPSK-3



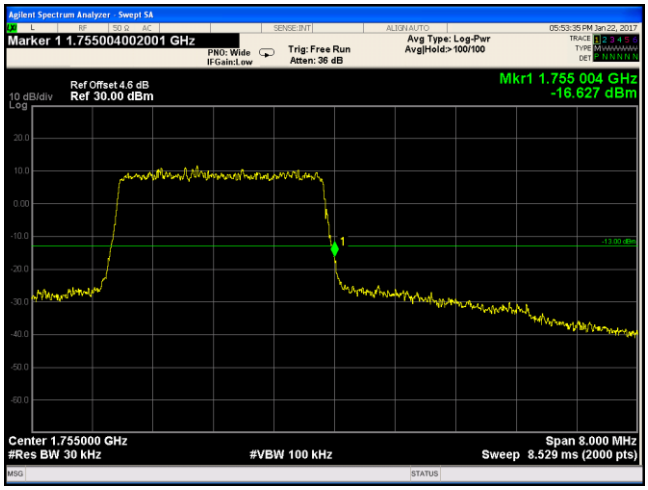
LTE Band 4 - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log (30.49/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.74/30)=4.5+0.1=4.6 dB



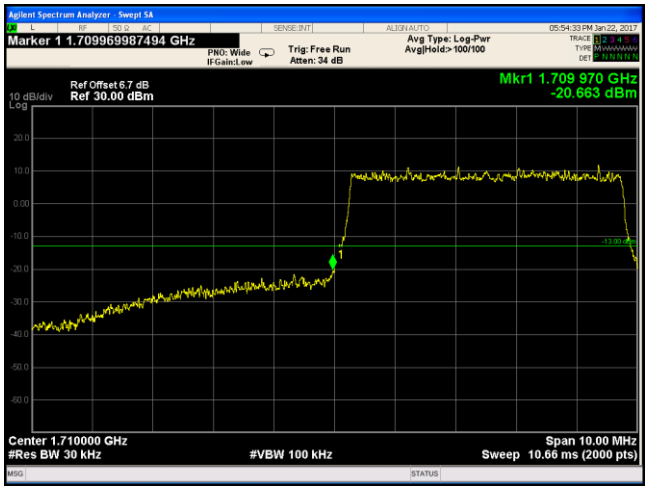
LTE Band 4 - Low Channel 16QAM-3



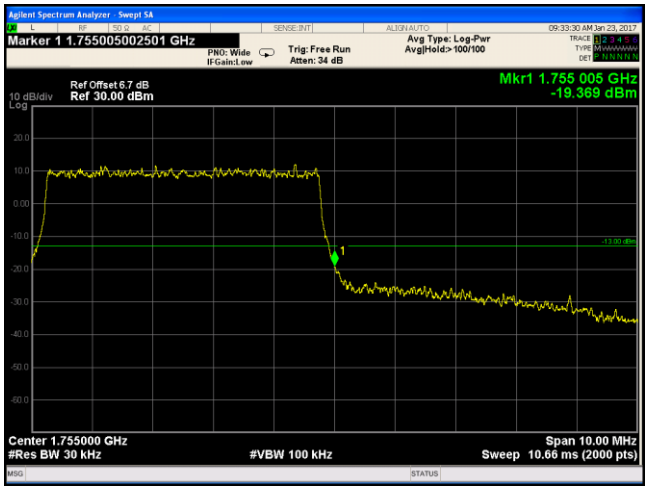
LTE Band 4 - High Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log (30.45/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.671/30)=4.5+0.1=4.6 dB

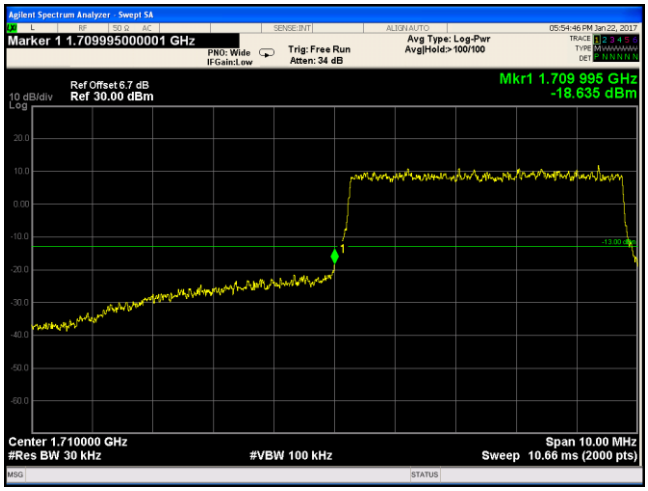


LTE Band 4 - Low Channel QPSK-5



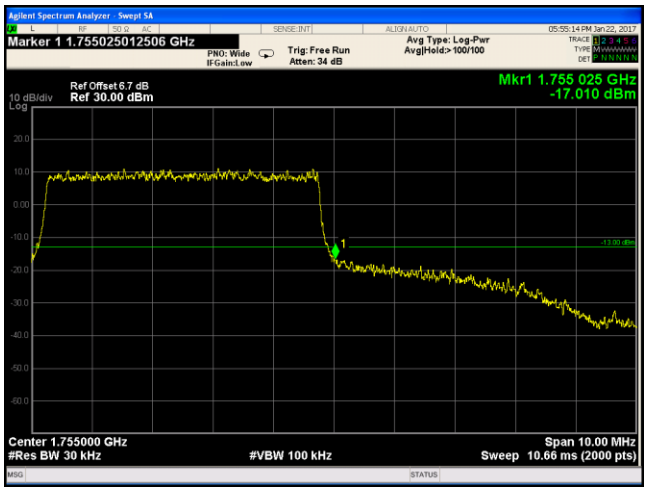
LTE Band 4 - High Channel QPSK-5

Note: Offset=Cable loss (4.5) + 10log (50.28/30)=4.5+2.2=6.7 dB



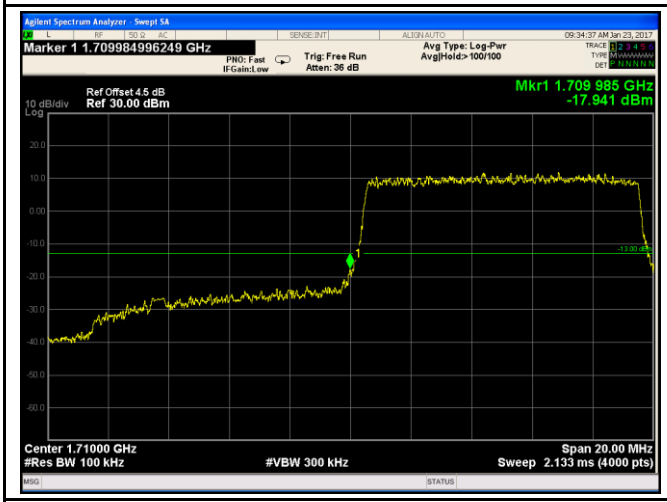
LTE Band 4 - Low Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log (50.05/30)=4.5+2.2=6.7 dB



LTE Band 4 - High Channel 16QAM-5

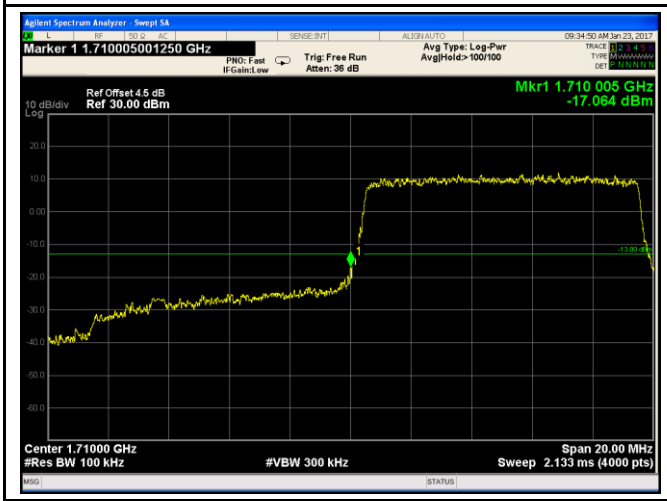
Note: Offset=Cable loss (4.5) + 10log (50.18/30)=4.5+2.2=6.7 dB



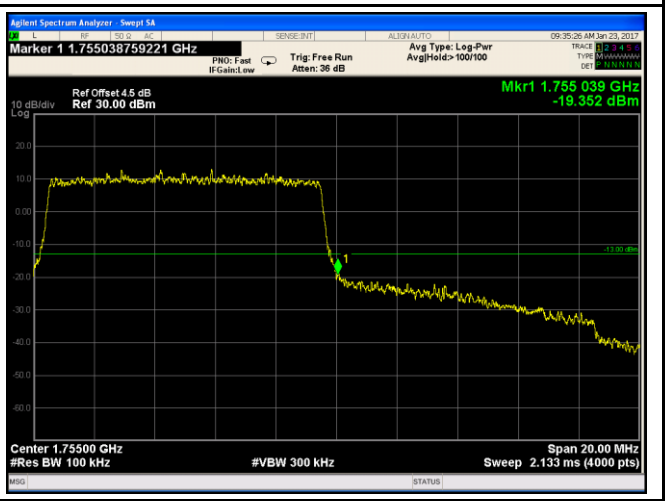
LTE Band 4 - Low Channel QPSK-10

Note: Offset=Cable loss (4.5) + 10log (50.07/30)=4.5+2.2=6.7 dB

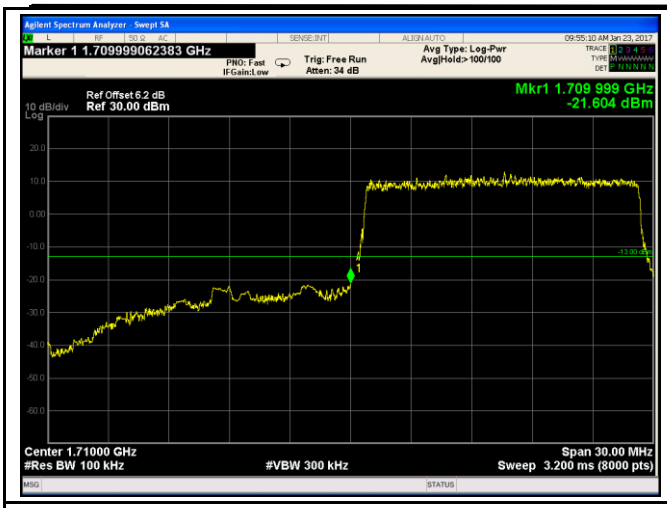
LTE Band 4 - High Channel QPSK-10



LTE Band 4 - Low Channel 16QAM-10



LTE Band 4 - High Channel 16QAM-10

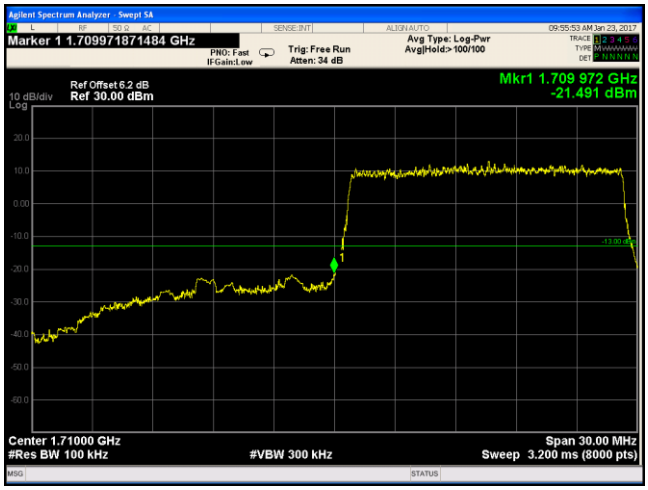


LTE Band 4 - Low Channel QPSK-15

LTE Band 4 - High Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log (148.1/100)=4.5+1.7=6.2 dB

Note: Offset=Cable loss (4.5) + 10log (147.2/100)=4.5+1.7=6.2dB

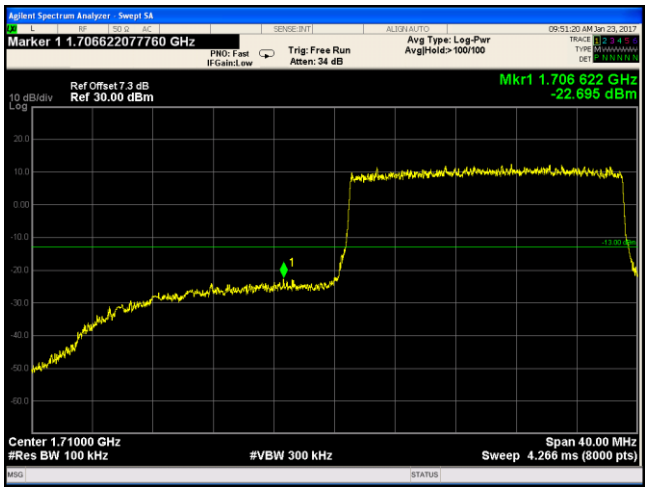


LTE Band 4 - Low Channel 16QAM-15

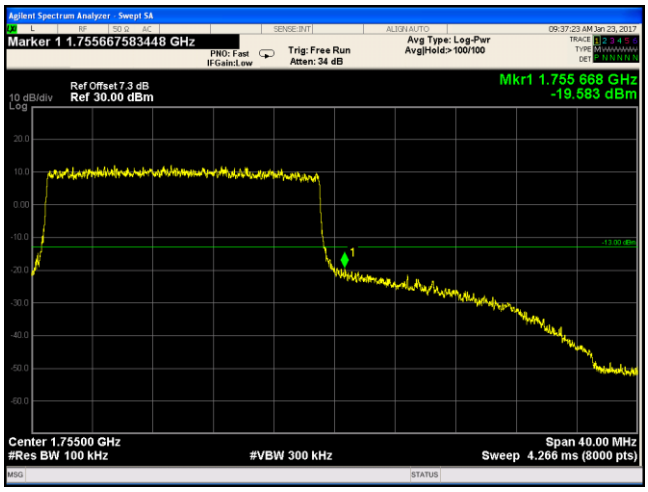
LTE Band 4 - High Channel 16QAM-15

Note: Offset=Cable loss (4.5) + 10log (147.1/100)=4.5+1.7=6.2 dB

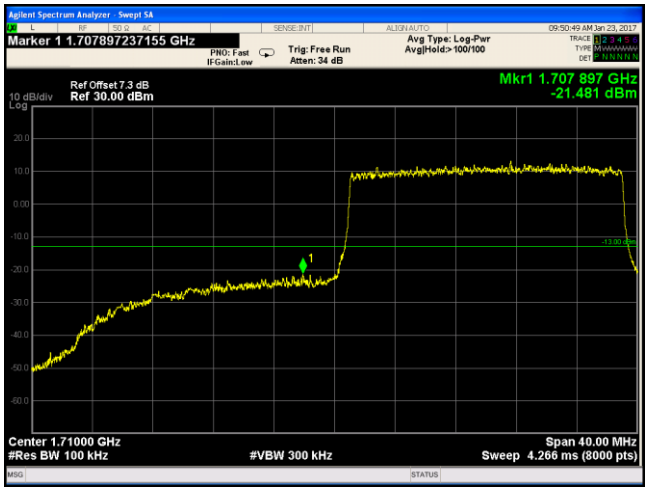
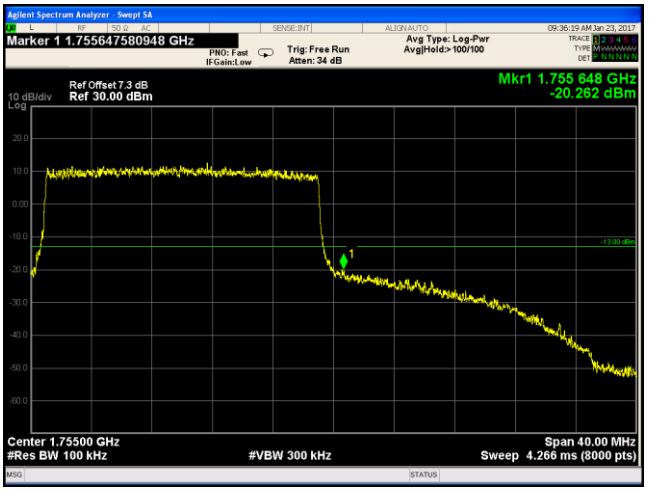
Note: Offset=Cable loss (4.5) + 10log (147.0/100)=4.5+1.7=6.2 dB



LTE Band 4 - Low Channel QPSK-20



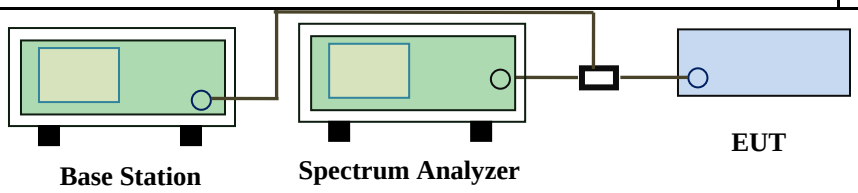
LTE Band 4 - High Channel QPSK-20

Note: Offset=Cable loss (4.5) + 10log (189.7/100)=4.5+2.8=7.3 dB	Note: Offset=Cable loss (4.5) + 10log (192.0/100)=4.5+2.8=7.3dB
	
LTE Band 4 - Low Channel 16QAM-20	LTE Band 4 - High Channel 16QAM-20
Note: Offset=Cable loss (4.5) + 10log (191.5/100)=4.5+2.8=7.3dB	Note: Offset=Cable loss (4.5) + 10log (191.7/100)=4.5+2.8=7.3 dB

6.8 Band Edge 27.53(m)

Temperature	24 °C
Relative Humidity	56%
Atmospheric Pressure	1023mbar
Test date :	January 23, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Requirement	Applicable
§27.53(m)	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+10log (P)dB at the channel edge, the limit of emission equal to -13dBm. And 55+10log (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.	☑
Test Setup		
Test Procedure	- 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	☑ Pass ☐ Fail	

Test Data ☑ Yes ☐ N/A

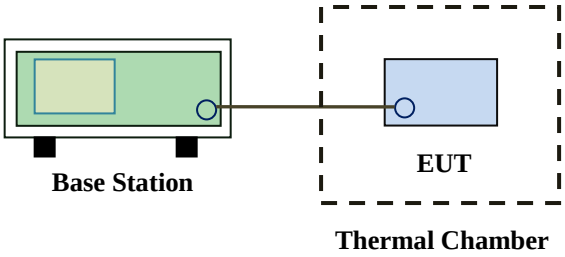
Test Plot ☑ Yes (See below) ☐ N/A

6.9 Frequency Stability

Temperature	23℃
Relative Humidity	55%
Atmospheric Pressure	1022mbar
Test date :	June 22, 2016
Tested By :	Loren Luo

Requirement(s):

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>§2.1055, §22.355 & §24.235 § 27.5(h); § 27.54</td><td>a)</td><td>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:
Frequency Tolerance for Transmitters in the Public Mobile Services
<table>
<tr><th>Frequency Range (MHz)</th><th>Base, fixed (ppm)</th><th>Mobile ≤ 3 watts (ppm)</th><th>Mobile ≤ 3 watts (ppm)</th></tr>
<tr><td>25 to 50</td><td>20.0</td><td>20.0</td><td>50.0</td></tr>
<tr><td>□□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>5□0</td></tr>
<tr><td>821 to 896</td><td>1.5</td><td>2.5</td><td>2.5</td></tr>
<tr><td>928 to 929.</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>
</table>
According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency block.
According to §27.54, The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.</td><td>☑</td></tr>
</table>

Test setup	
Procedure	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. Limit: The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.
Remark	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 -10ºC to +55ºC at normal supply voltage.
Result	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

Test Plot ☐ Yes (See below) ☑ N/A

LTE Band 2 (Part 24E) result

Middle Channel, f_o = 1880 MHz				
Temperature (℃)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.7	-5	0.0027	2.5
0		-9	0.0048	2.5
10		-10	0.0053	2.5
20		-14	0.0074	2.5
30		-8	0.0043	2.5
40		-5	0.0027	2.5
50		-11	0.0059	2.5
55		-13	0.0069	2.5
25	4.2	-9	0.0048	2.5
	3.5	-11	0.0059	2.5

LTE Band 4 (Part 27) result

Middle Channel, f_o = 1732.5 MHz				
Temperature (℃)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.7	-9	0.0052	2.5
0		-14	0.0081	2.5
10		-15	0.0087	2.5
20		-9	0.0052	2.5
30		-8	0.0046	2.5
40		-10	0.0058	2.5
50		-11	0.0063	2.5
55		-13	0.0075	2.5
25	4.2	-7	0.0040	2.5
	3.5	-10	0.0058	2.5

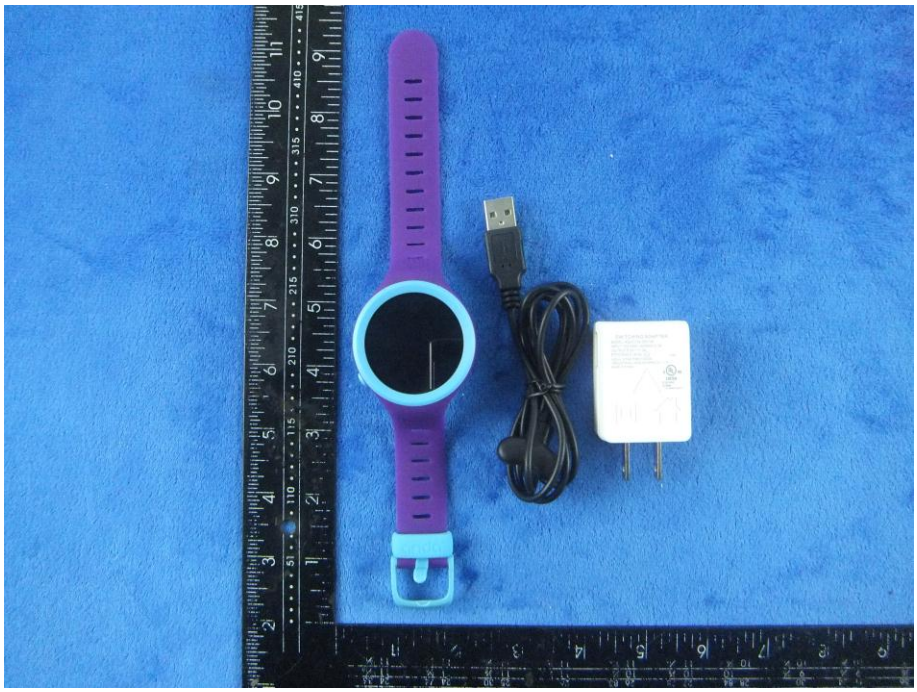
Annex A. TEST INSTRUMENT

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	☑
Power Splitter	1#	1#	08/31/2016	08/30/2017	☑
Universal Radio Communication Tester	CMU200	121393	09/24/2016	09/23/2017	☑
Wideband Radio Communication Tester	CMW500	120906	03/26/2016	03/25/2017	☑
Temperature/Humidity Chamber	UHL-270	001	10/08/2016	10/07/2017	☑
DC Power Supply	E3640A	MY40004013	09/16/2016	09/15/2017	☑
RF Power Sensor	Dare RPR3006C/P/W	AY554013	09/16/2016	09/15/2017	☑
Radiated Emissions					
EMI test receiver	ESL6	100262	09/16/2016	09/15/2017	☑
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/31/2016	08/30/2017	☑
Microwave Preamplifier (0.5 ~ 18GHz)	PAM-118	443008	08/31/2016	08/30/2017	☑
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/20/2016	09/192017	☑
Bilog Antenna (30MHz~2GHz)	JB1	A112017	09/20/2016	09/19/2017	☑
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71259	09/23/2016	09/23/2017	☑
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/23/2016	09/22/2017	☑
SYNTHESIZED SIGNAL GENERATOR	8665B	3744A01293	09/16/2016	09/15/2017	☑
Tunable Notch Filter	3NF-800/1000-S	AA4	08/31/2016	08/30/2017	☑
Tunable Notch Filter	3NF-1000/2000-S	AM 4	08/31/2016	08/30/2017	☑

Annex B. EUT And Test Setup Photographs

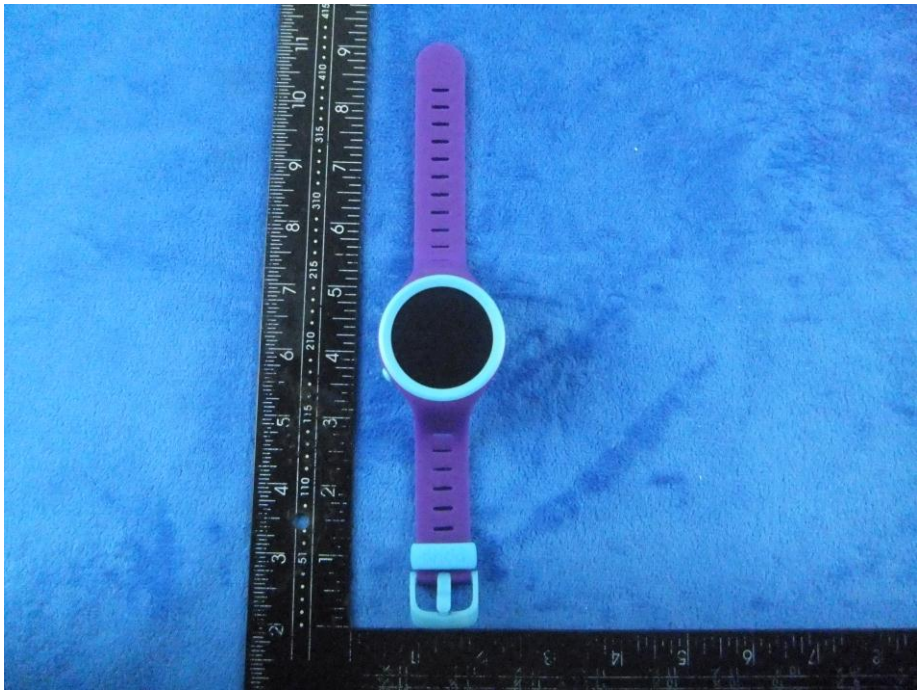
Annex B.i. Photograph: EUT External Photo

Whole Package View

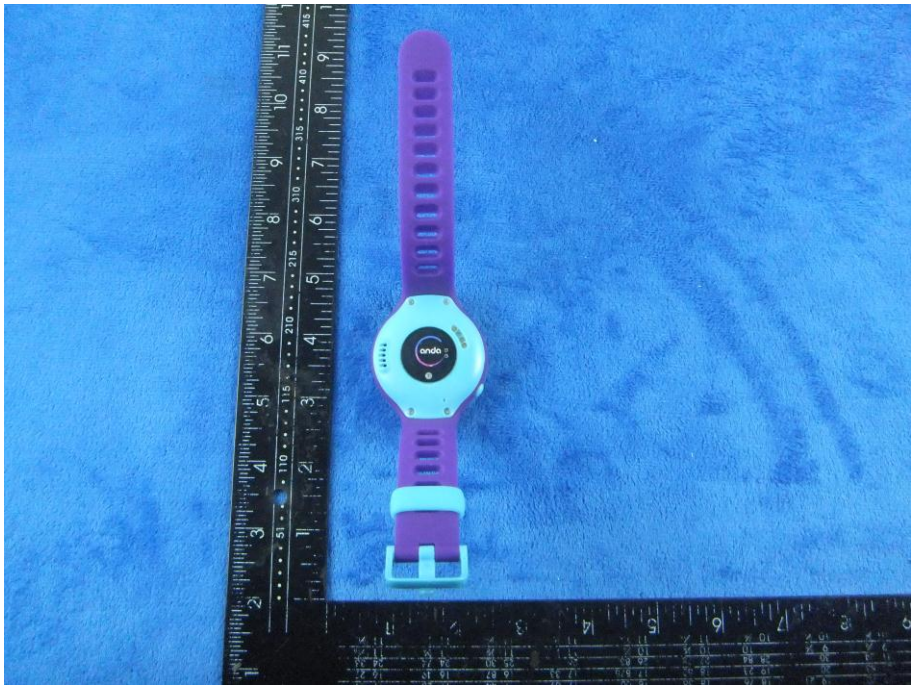


Adapter - Front View

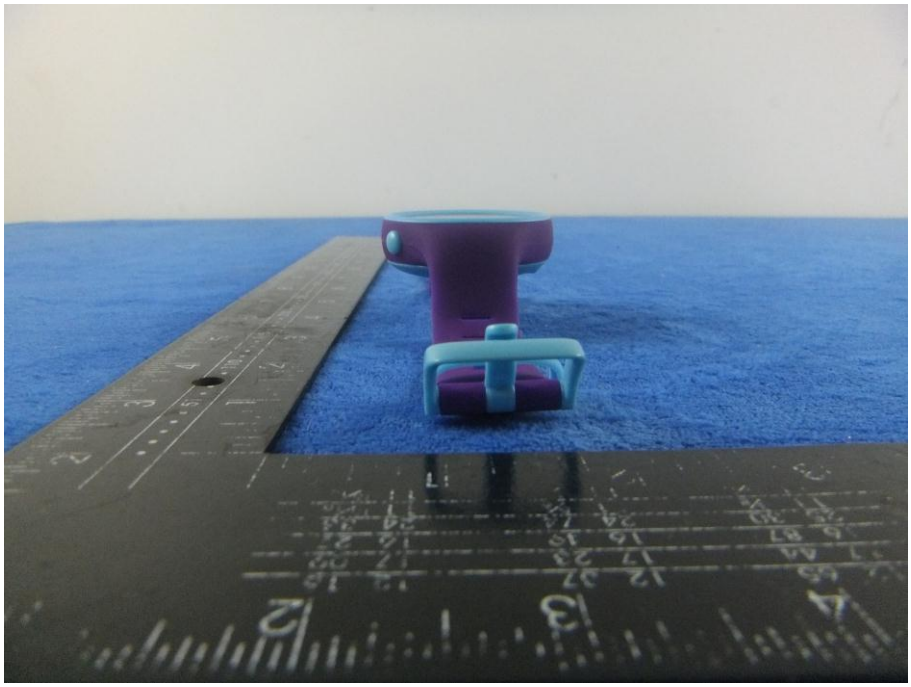
EUT - Front View



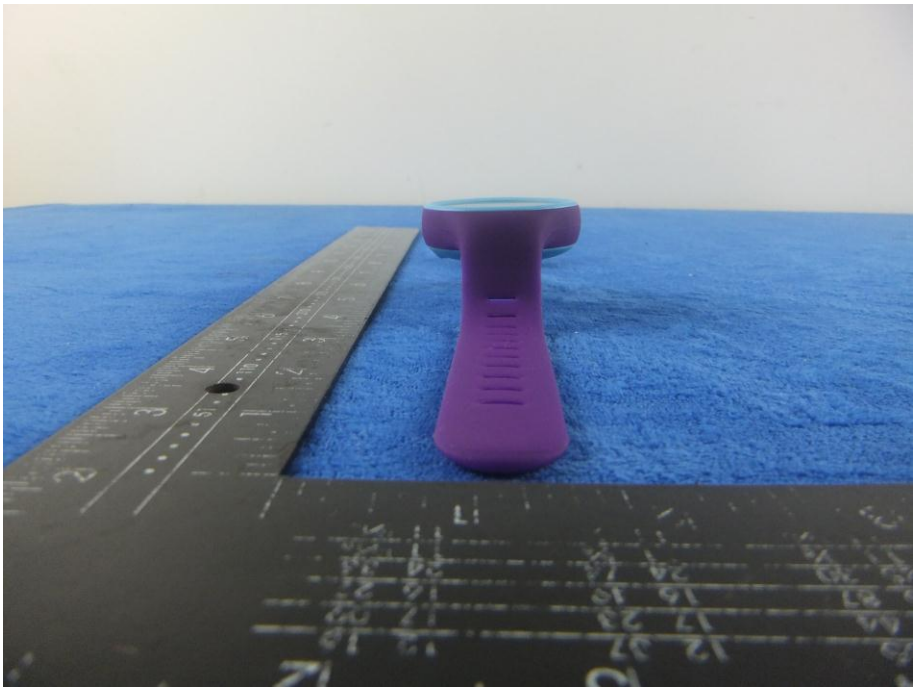
EUT - Rear View



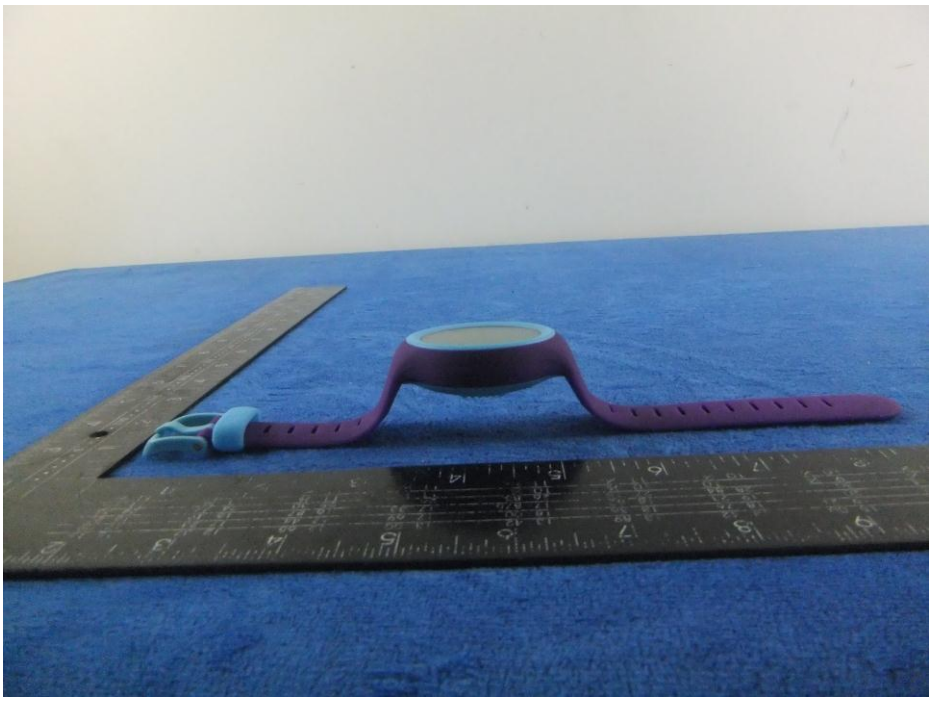
EUT - Top View



EUT - Bottom View



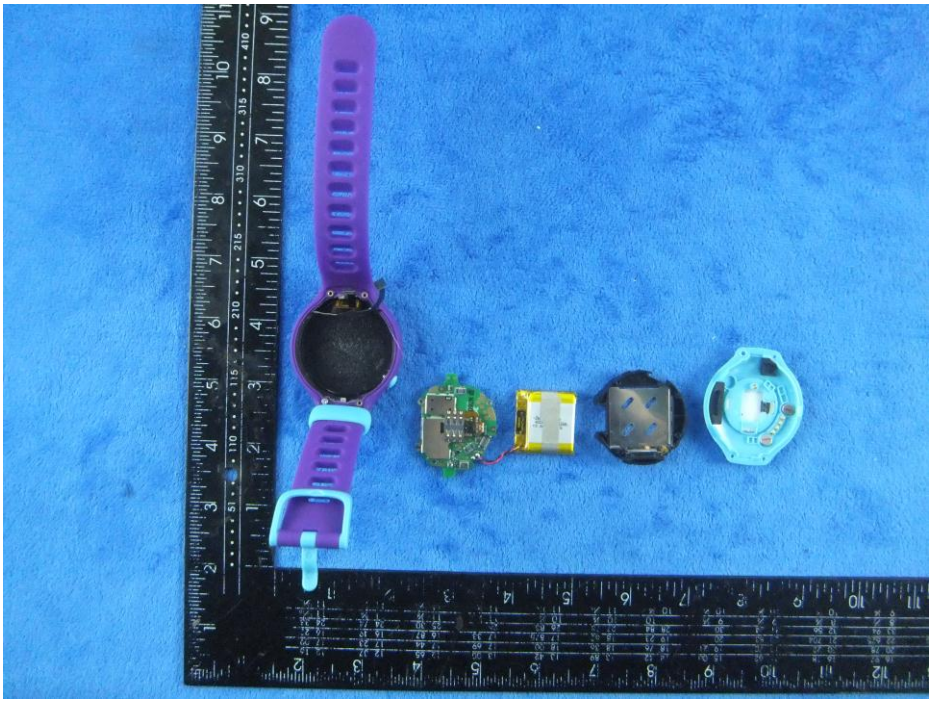
EUT - Left View



EUT - Right View

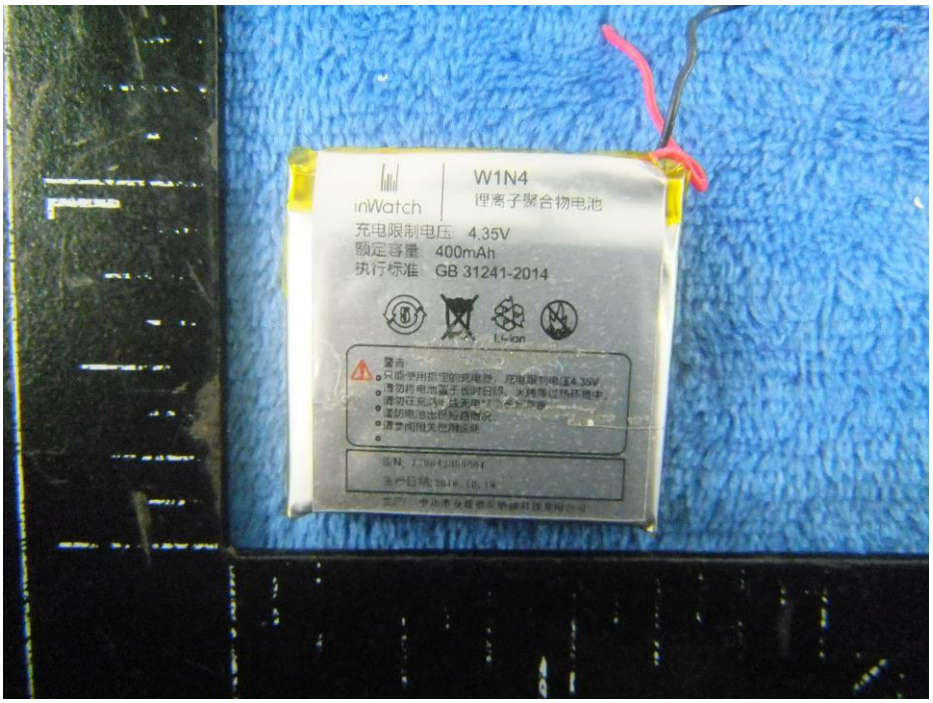
Annex B.ii. Photograph: EUT Internal Photo

Cover Off - Top View 1

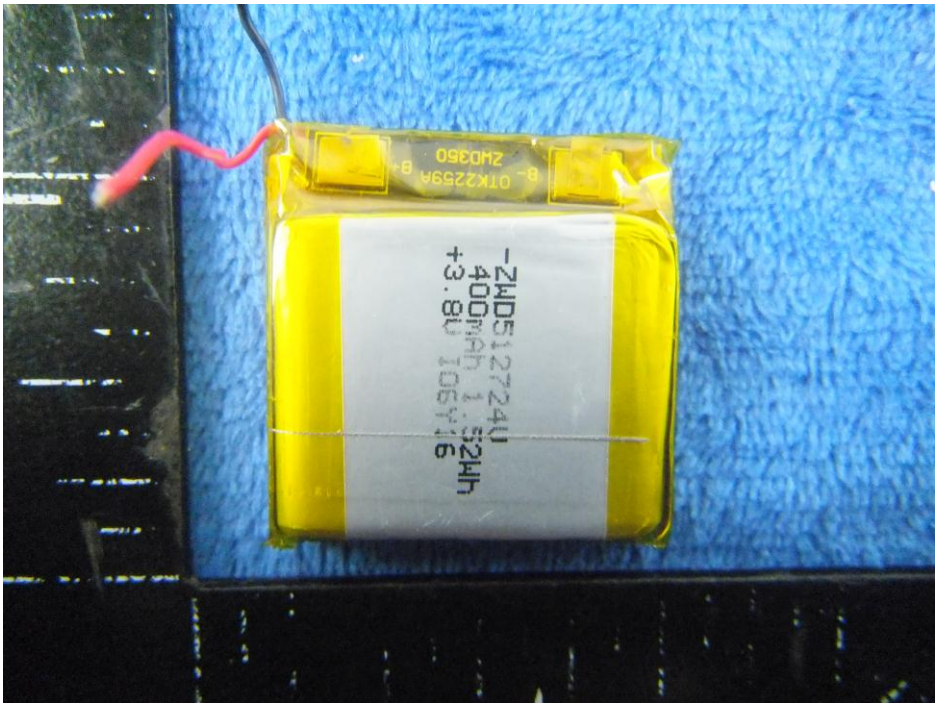


Cover Off - Top View 2

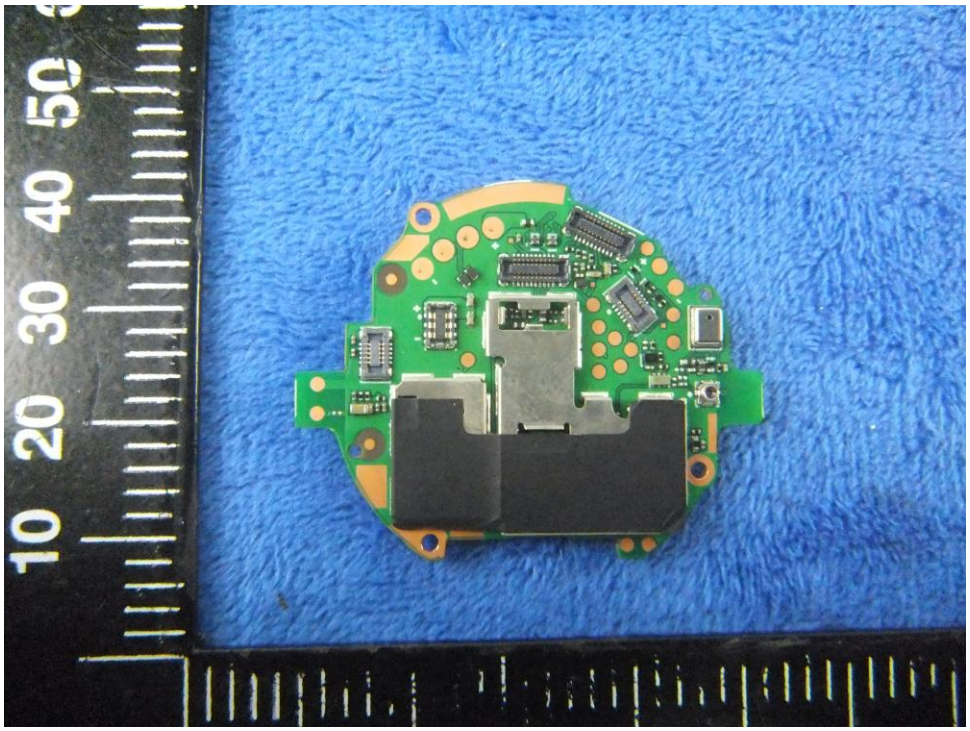
Battery - Front View



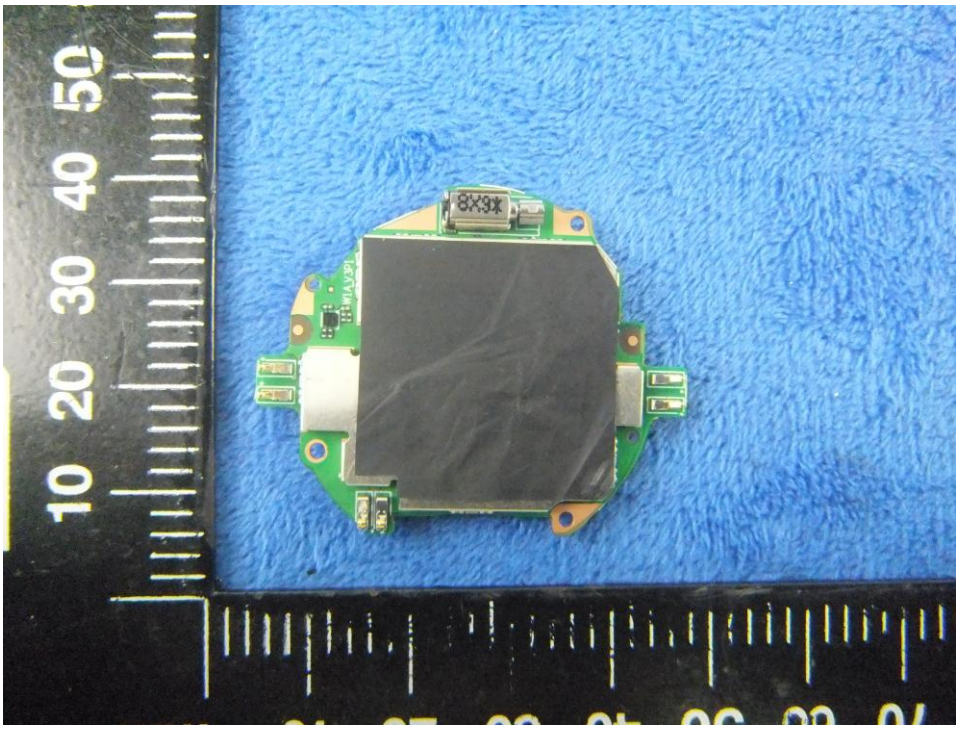
Battery - Rear View



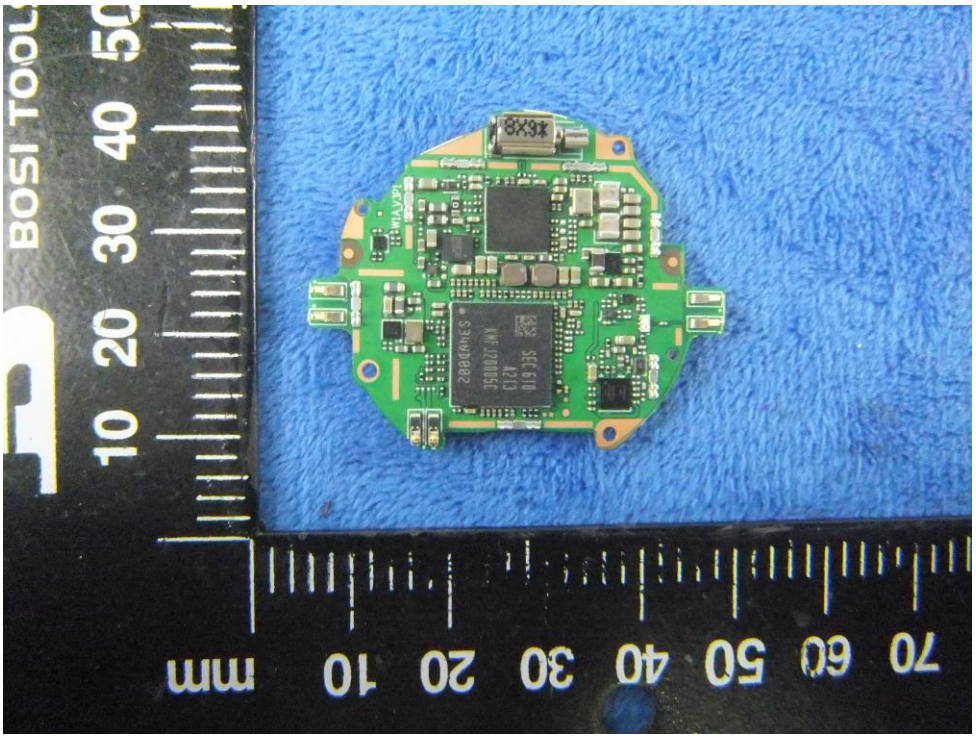
Mainboard with Shielding - Front View



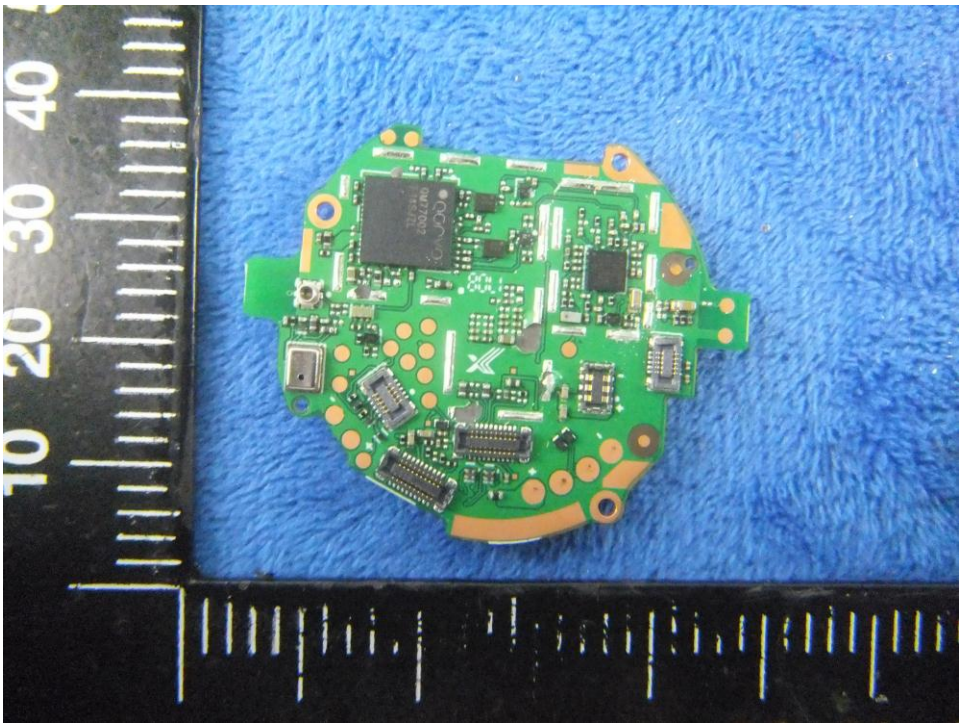
Mainboard without Shielding - Front View



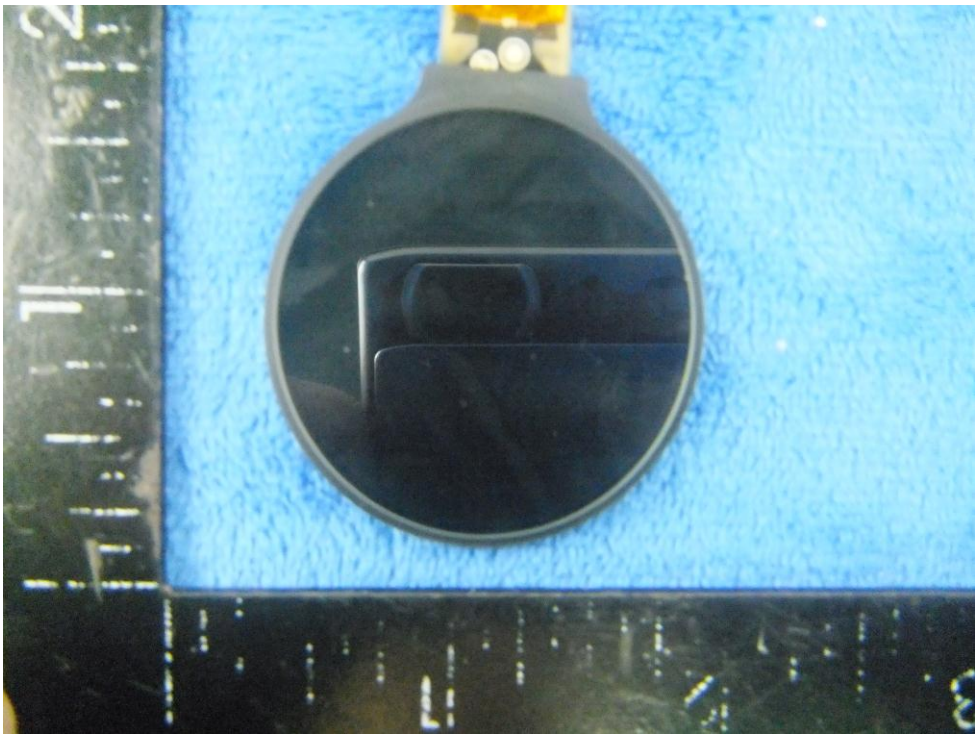
Mainboard with Shielding – Rear View



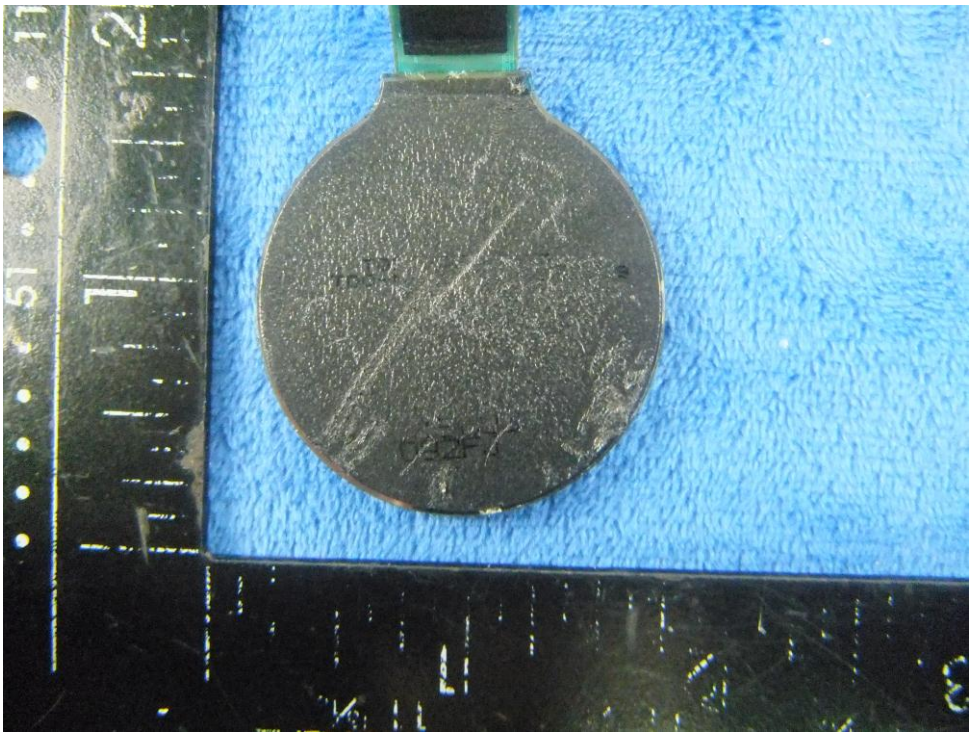
Mainboard without Shielding - Rear View



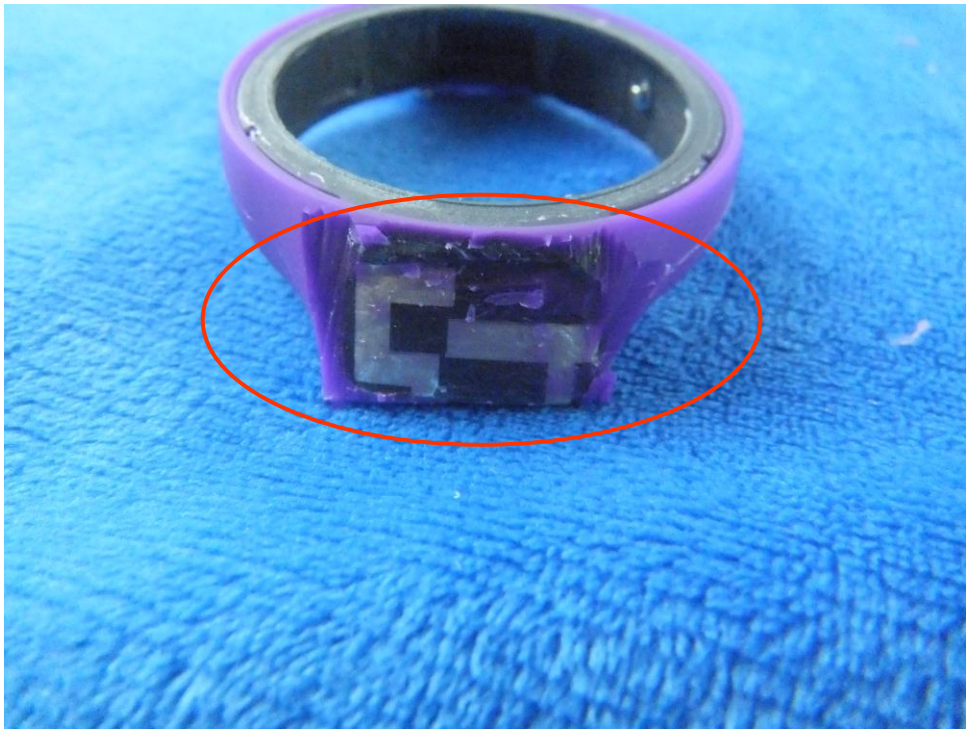
LCD – Front View



LCD – Rear View

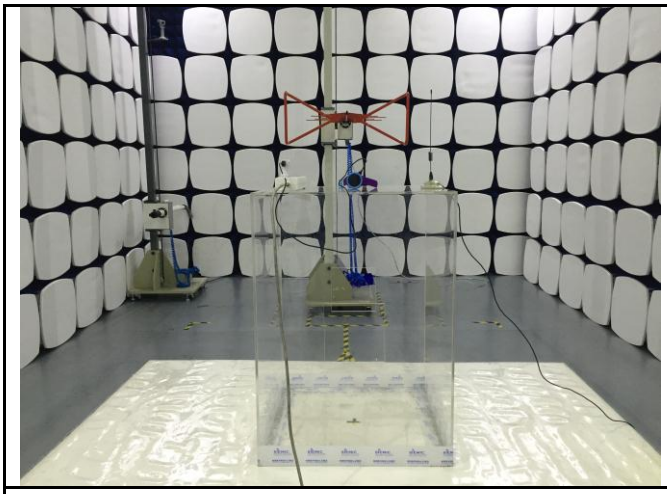
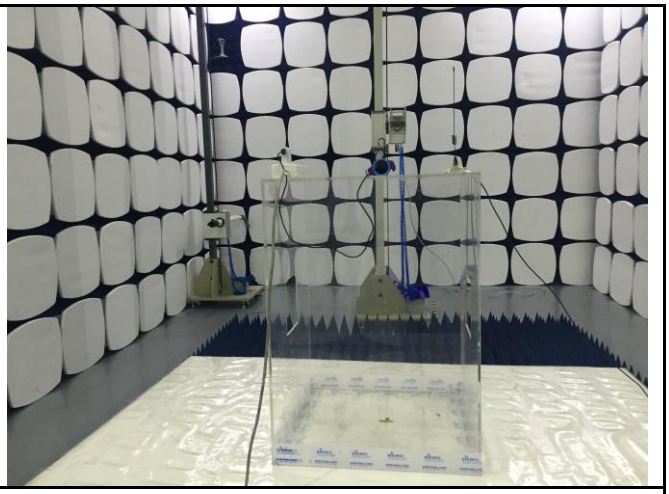


GSM/PCS/UMTS-FDD Antenna View



WIFI/BT/BLE/GPS - Antenna View

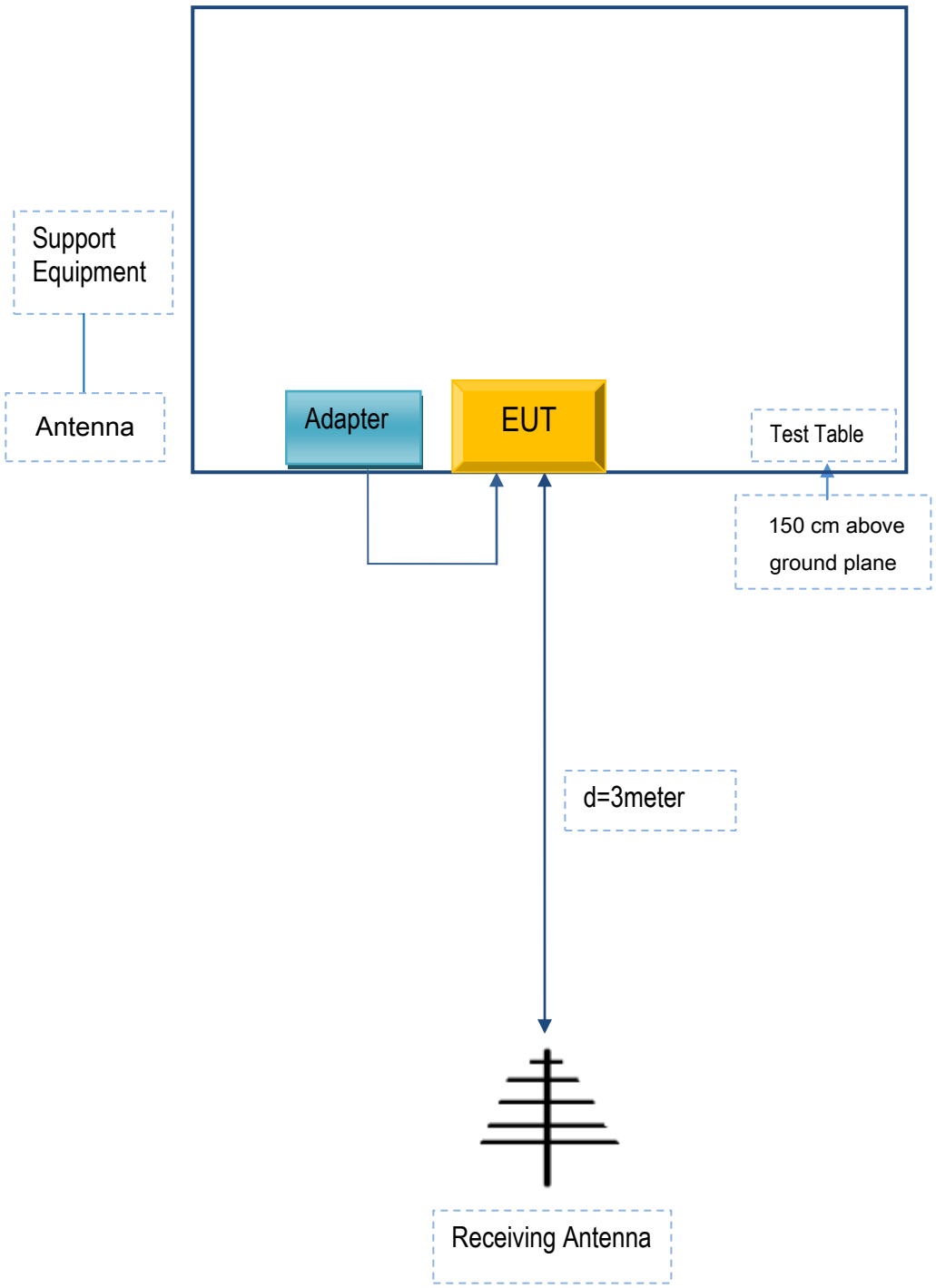
Annex B.iii. Photograph: Test Setup Photo

	
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 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
MFOURTEL MEXICO S.A. DE C.V.	Adapter	ASUC37a-050100	F0521DH2

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB Cable	Un-shielding	No	0.8m	F0521DH2

Annex C.ii. EUT OPERATING CONKITIONS

N/A

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

N/A

Annex E. DECLARATION OF SIMILARITY

N/A