

LTE Band 13 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1564.0	-63.05	2.00	10.75	Vertical	-54.3	-40	14.3	0
3	2346.0	-52.64	2.51	11.05	Vertical	-44.1	-13	31.1	135
4	3128.0	-56.25	4.20	11.15	Vertical	-49.3	-13	36.3	225
5	3910.0	-54.75	5.20	11.15	Vertical	-48.8	-13	35.8	315
6	4692.0	-54.05	5.50	11.95	Vertical	-47.6	-13	34.6	270
7	5474.0	-53.25	5.70	13.55	Vertical	-45.4	-13	32.4	90
8	6256.0	-52.25	6.30	13.75	Vertical	-44.8	-13	31.8	45
9	7038.0	-49.75	6.80	13.85	Vertical	-42.7	-13	29.7	180
10	7820.0	-47.75	6.90	14.25	Vertical	-40.4	-13	27.4	45

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 13 QPSK 10MHz CH-High, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1564.0	-62.45	2.00	10.15	Vertical	-54.3	-40	14.3	0
3	2346.0	-52.44	2.51	11.05	Vertical	-43.9	-13	30.9	135
4	3128.0	-56.65	4.20	11.15	Vertical	-49.7	-13	36.7	225
5	3910.0	-54.25	5.20	11.15	Vertical	-48.3	-13	35.3	315
6	4692.0	-53.95	5.50	11.95	Vertical	-47.5	-13	34.5	270
7	5474.0	-53.55	5.70	13.55	Vertical	-45.7	-13	32.7	225
8	6256.0	-52.05	6.30	13.75	Vertical	-44.6	-13	31.6	135
9	7038.0	-49.25	6.80	13.85	Vertical	-42.2	-13	29.2	225
10	7820.0	-48.15	6.90	14.25	Vertical	-40.8	-13	27.8	90

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

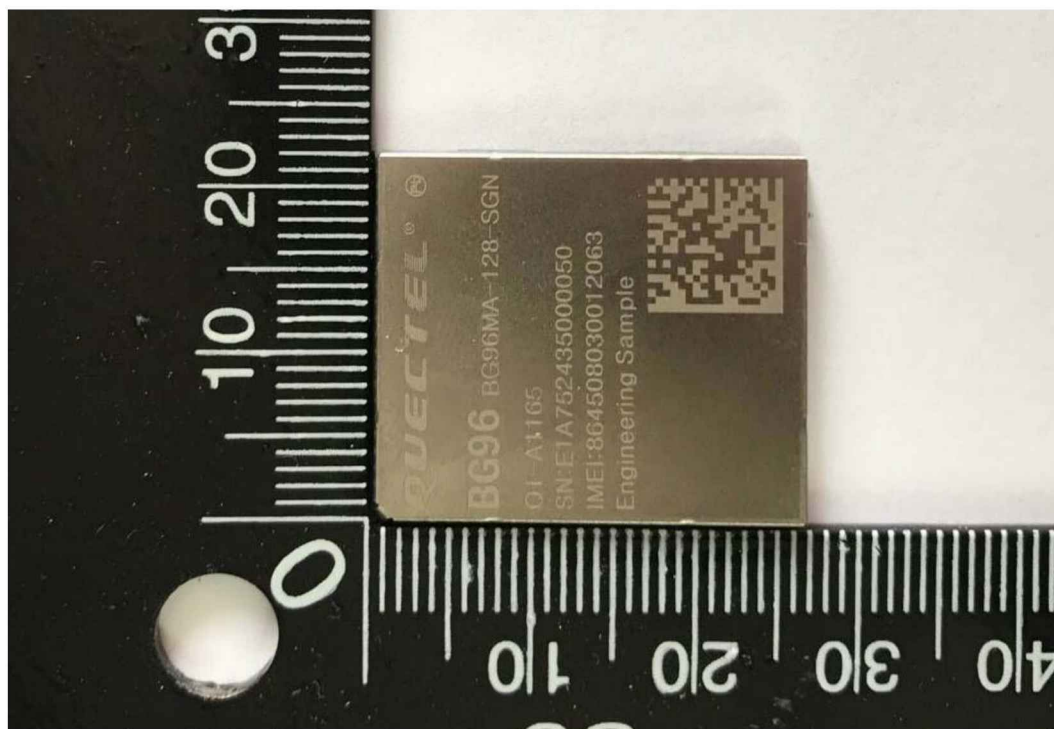
2. The worst emission was found in the antenna is vertical position.

5 Main Test Instruments

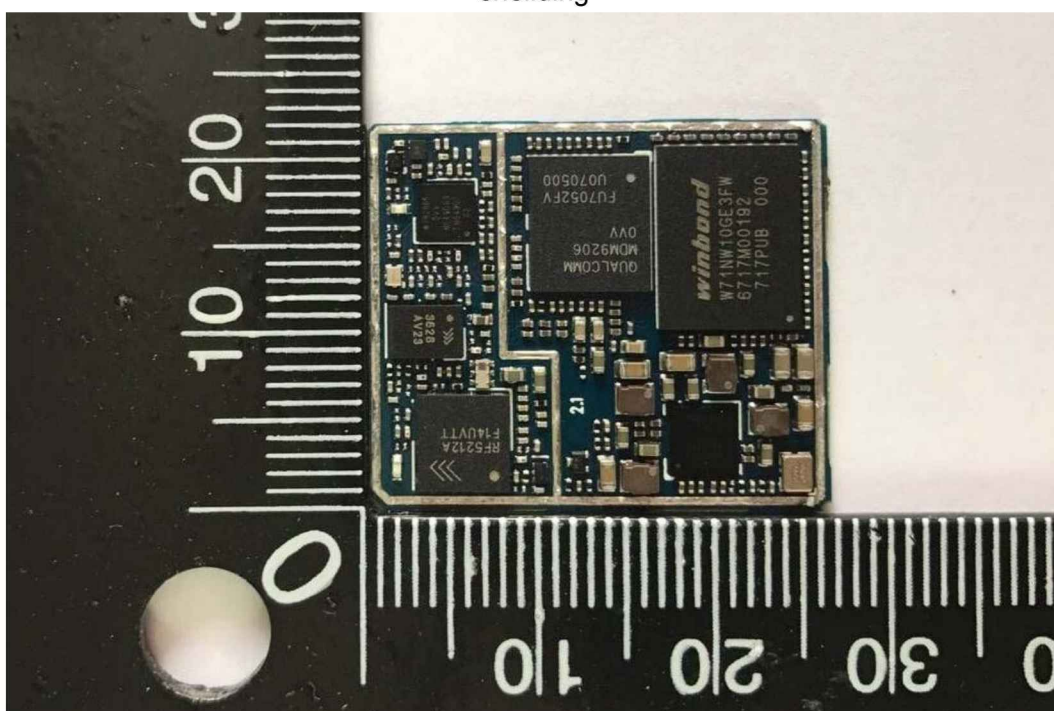
Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Time
Base Station Simulator	R&S	CMW500	150415	2017-05-14	2018-05-13
Power Splitter	Hua Xiang	SHX-GF2-2-13	10120101	2017-05-14	2018-05-13
Universal Radio Communication Tester	Agilent	E5515C	MY48367192	2017-05-14	2018-05-13
Spectrum Analyzer	Agilent	N9010A	MY47191109	2017-05-14	2018-05-13
Signal Analyzer	R&S	FSV30	100815	2016-12-16	2017-12-15
Signal generator	R&S	SMB 100A	102594	2017-05-14	2018-05-13
EMI Test Receiver	R&S	ESCI	100948	2017-05-20	2018-05-19
Trilog Antenna	SCHWARZBECK	VUBL 9163	9163-201	2014-12-06	2017-12-05
Horn Antenna	R&S	HF907	100126	2014-12-06	2017-12-05
Horn Antenna	ETS-Lindgren	3160-09	00102643	2015-01-30	2018-01-29
Climatic Chamber	Re Ce	PT-30B	20101891	2015-07-18	2018-07-17
RF Cable	Agilent	SMA 15cm	0001	2017-02-06	2017-08-05
Preamplifier	R&S	SCU18	102327	2017-06-18	2018-06-17

ANNEX A: EUT Appearance and Test Setup

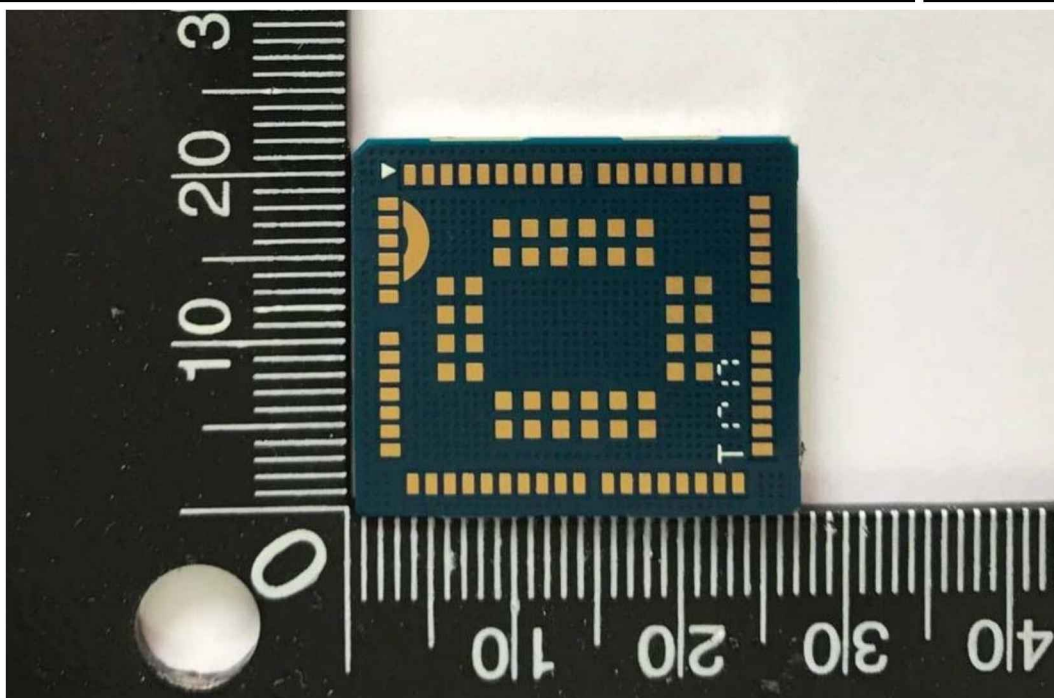
A.1 EUT Appearance



shielding



No shielding
Front Side

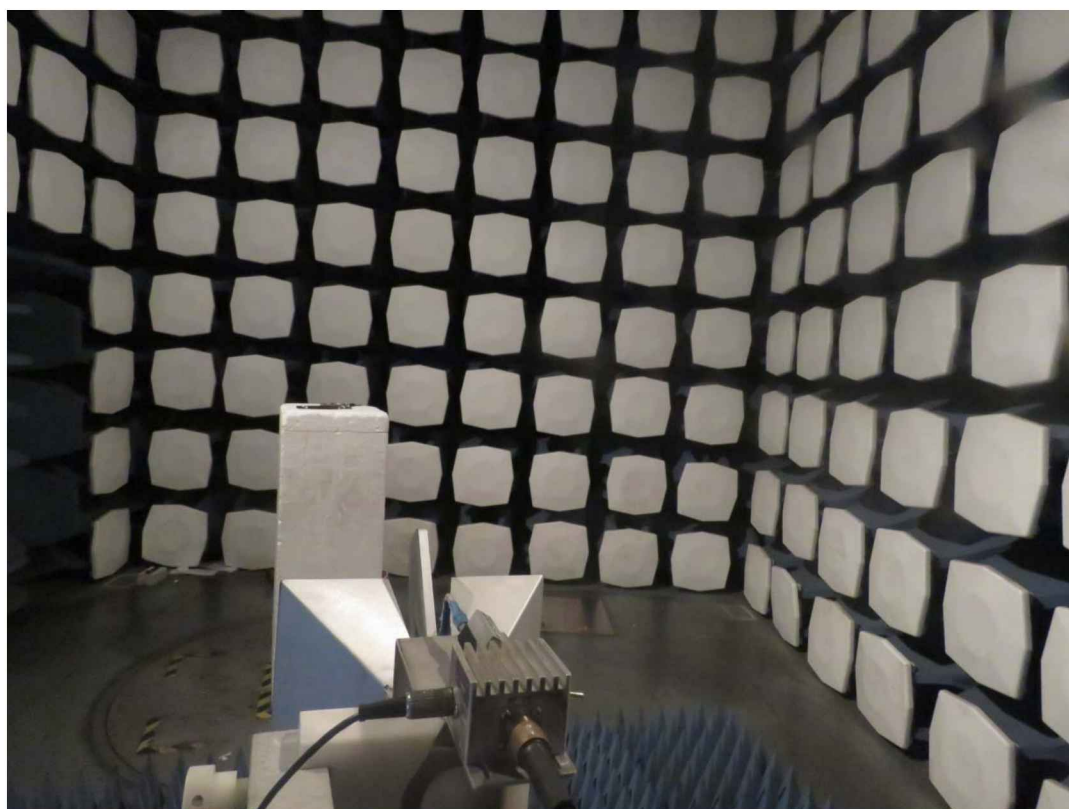
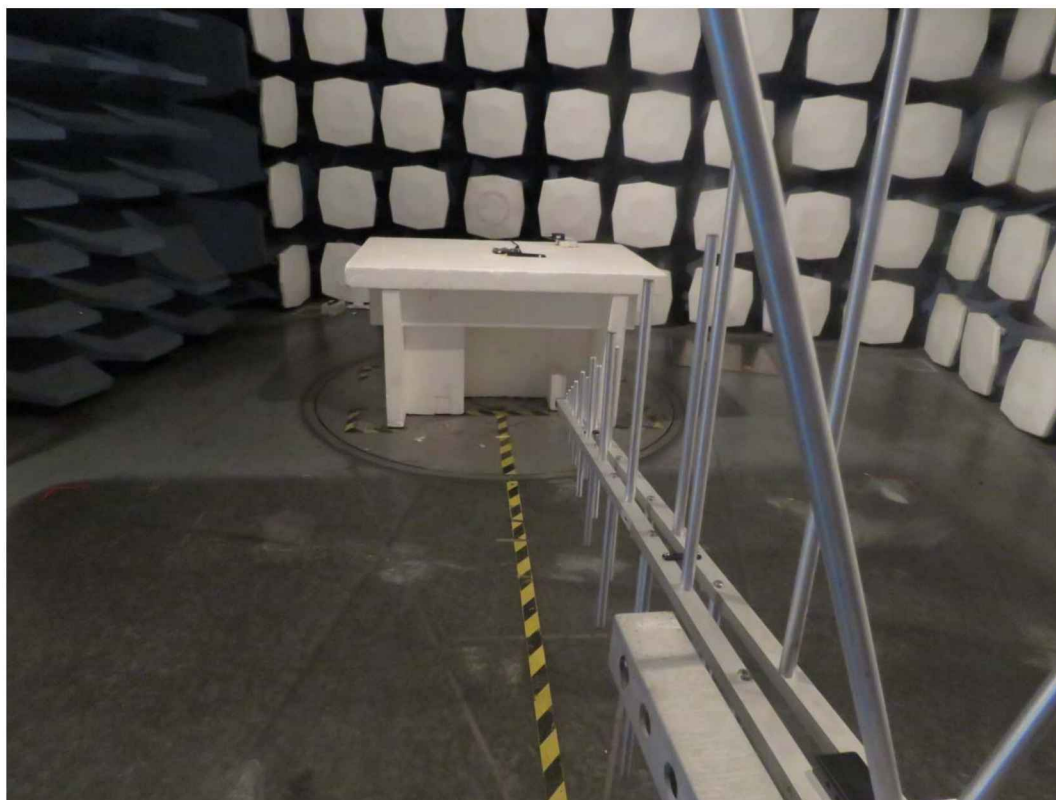


Back Side

a: EUT

Picture 1 EUT and Accessory

A.2 Test Setup



Picture 2: Radiated Spurious Emissions Test setup