



Test Report No.: SA170508W001



# RF EXPOSURE REPORT

**Product:** LTE Module

**Model Name:** ME3631

**FCC ID:** SRQ-ME3631

**Applicant:** ZTE Corporation

**Address:** ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park,  
Nanshan District, Shenzhen, Guangdong, P.R.China

**Manufacturer:** ZTE Corporation

**Address:** ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park,  
Nanshan District, Shenzhen, Guangdong, P.R.China

**Prepared by:** Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

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**Report No.:** SA170508W001

**Received Date:** May 08, 2017

**Test Date:** May 12, 2017 ~ Jun. 11, 2017

**Issued Date:** Jun. 12, 2017

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**VERITAS**

Test Report No.: SA170508W001

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA170508W001	Original release	Jun. 12, 2017



# 1 CERTIFICATION

**PRODUCT:** LTE Module  
**BRAND NAME:** ZTE  
**MODEL NAME:** ME3631  
**APPLICANT:** ZTE Corporation  
**TESTED:** May 12, 2017 ~ Jun. 11, 2017  
**TEST SAMPLE:** Identical Prototype  
**STANDARDS:** **FCC Part 2 (Section 2.1091)**  
**FCC OET Bulletin 65, Supplement C (01-01)**  
**KDB 447498 D01 General RF Exposure Guidance v06**  
**IEEE C95.1**

The above equipment has been tested by **Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch** and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**PREPARED BY :** Harry , **DATE:** Jun. 12, 2017  
(Harry Li/ Engineer)

**APPROVED BY :** [Signature] , **DATE:** Jun. 12, 2017  
( Sam Tung / Manager)



## 2 GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

<b>PRODUCT</b>	LTE Module	
<b>MODEL NAME</b>	ME3631	
<b>NOMINAL VOLTAGE</b>	DC 3.8V	
<b>OPERATING TEMPERATURE RANGE</b>	-30 ~ 75°C	
<b>MODULATION TYPE</b>	<b>GSM</b>	GMSK, 8PSK
	<b>WCDMA</b>	BPSK/QPSK
	<b>LTE</b>	QPSK, 16QAM
<b>OPERATING FREQUENCY</b>	<b>GSM</b>	824.2MHz ~ 848.8MHz (FOR GSM 850) 1850.2MHz ~ 1909.8MHz (FOR PCS 1900)
	<b>WCDMA</b>	1852.4MHz ~ 1907.6MHz (FOR WCDMA 1900) 826.4MHz ~ 846.6MHz (FOR WCDMA 850)
	<b>LTE</b>	1850.7MHz ~ 1909.3MHz (FOR LTE Band2) 1710.7MHz ~ 1754.3MHz (FOR LTE Band4) 824.7MHz ~ 848.3MHz (FOR LTE Band5) 699.7MHz ~ 715.3MHz (FOR LTE Band12) 706.5MHz ~ 713.5MHz (FOR LTE Band17)
<b>ANTENNA GAIN</b>	<b>GSM850</b>	Other antenna with 3.5dBi gain
	<b>GSM1900</b>	Other antenna with 4.8dBi gain
	<b>WCDMA 850</b>	Other antenna with 3.5dBi gain
	<b>WCDMA 1900</b>	Other antenna with 4.8dBi gain
	<b>LTE Band 2</b>	Other antenna with 4.8dBi gain
	<b>LTE Band 4</b>	Other antenna with 4.8dBi gain
	<b>LTE Band 5</b>	Other antenna with 3.5dBi gain
	<b>LTE Band 12</b>	Other antenna with 3.5dBi gain
	<b>LTE Band 17</b>	Other antenna with 3.5dBi gain
<b>HW VERSION</b>	ME3630-MB_A	
<b>SW VERSION</b>	ME3631U1AV1.0B01	
<b>I/O PORTS</b>	Refer to user's manual	
<b>CABLE SUPPLIED</b>	N/A	

**NOTE:**

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.



### 3 RF EXPOSURE

#### 3.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

#### 3.2 MPE CALCULATION FORMULA

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm<sup>2</sup>

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

#### 3.3 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Approval**.



### 3.4 CONDUCTED POWER

Band	GSM850		
Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
GPRS 8	33.65	33.54	32.94
GPRS 10	33.33	33.22	32.62
GPRS 11	33.00	32.89	32.29
GPRS 12	32.61	32.50	31.90
EDGE 8 (MCS9)	26.50	26.39	25.79
EDGE 10 (MCS9)	26.28	26.17	25.57
EDGE 11 (MCS9)	25.97	25.86	25.26
EDGE 12 (MCS9)	25.65	25.54	24.94

Band	GSM1900		
Channel	512	661	810
Frequency (MHz)	1850.2	1880.0	1909.8
GPRS 8	29.73	29.57	29.50
GPRS 10	29.65	29.49	29.42
GPRS 11	29.59	29.43	29.36
GPRS 12	29.46	29.30	29.23
EDGE 8 (MCS9)	25.74	25.58	25.51
EDGE 10 (MCS9)	25.60	25.44	25.37
EDGE 11 (MCS9)	25.48	25.32	25.25
EDGE 12 (MCS9)	25.31	25.15	25.08



Band	WCDMA II		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2K	22.75	23.01	22.94
HSPA			
HSDPA Subtest-1	21.86	22.12	22.05
HSDPA Subtest-2	21.83	22.09	22.02
HSDPA Subtest-3	21.42	21.68	21.61
HSDPA Subtest-4	21.37	21.63	21.56
HSUPA Subtest-1	21.80	22.06	21.99
HSUPA Subtest-2	19.95	20.21	20.14
HSUPA Subtest-3	20.92	21.18	21.11
HSUPA Subtest-4	19.92	20.18	20.11
HSUPA Subtest-5	21.92	22.18	22.11

Band	WCDMA V		
Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	23.98	22.62	23.74
HSPA			
HSDPA Subtest-1	23.07	21.71	22.83
HSDPA Subtest-2	23.04	21.68	22.80
HSDPA Subtest-3	22.65	21.29	22.41
HSDPA Subtest-4	22.60	21.24	22.36
HSUPA Subtest-1	23.01	21.65	22.77
HSUPA Subtest-2	21.14	19.78	20.90
HSUPA Subtest-3	22.08	20.72	21.84
HSUPA Subtest-4	21.10	19.74	20.86
HSUPA Subtest-5	23.25	21.89	23.01



LTE BAND 2

LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18607	Mid CH 18900	High CH 19193	3GPP MPR (dB)
				Frequency 1850.7 MHz	Frequency 1880 MHz	Frequency 1909.3 MHz	
1.4MHz	QPSK	1	0	22.17	22.56	22.60	0
		1	2	22.07	22.46	22.50	0
		1	5	22.04	22.43	22.47	0
		3	0	22.16	22.55	22.59	0
		3	1	22.06	22.45	22.49	0
		3	3	22.03	22.42	22.46	0
		6	0	21.01	21.40	21.44	1
	16QAM	1	0	20.93	21.32	21.36	1
		1	2	20.91	21.30	21.34	1
		1	5	20.82	21.21	21.25	1
		3	0	20.91	21.30	21.34	1
		3	1	20.89	21.28	21.32	1
		3	3	20.80	21.19	21.23	1
		6	0	20.06	20.45	20.49	2
BW	Modulation	RB Size	RB Offset	Low CH 18615	Mid CH 18900	High CH 19185	3GPP MPR (dB)
				Frequency 1851.5 MHz	Frequency 1880 MHz	Frequency 1908.5 MHz	
3 MHz	QPSK	1	0	22.20	22.59	22.63	0
		1	7	22.10	22.49	22.53	0
		1	14	22.07	22.46	22.50	0
		8	0	21.20	21.59	21.63	1
		8	3	21.16	21.55	21.59	1
		8	7	21.14	21.53	21.57	1
		15	0	21.04	21.43	21.47	1
	16QAM	1	0	20.96	21.35	21.39	1
		1	7	20.94	21.33	21.37	1
		1	14	20.85	21.24	21.28	1
		8	0	20.33	20.72	20.76	2
		8	3	20.29	20.68	20.72	2
		8	7	20.26	20.65	20.69	2
		15	0	20.09	20.48	20.52	2



LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18625	Mid CH 18900	High CH 19175	3GPP MPR (dB)
				Frequency 1852.5 MHz	Frequency 1880 MHz	Frequency 1907.5 MHz	
5 MHz	QPSK	1	0	22.23	22.62	22.66	0
		1	12	22.13	22.52	22.56	0
		1	24	22.10	22.49	22.53	0
		12	0	21.23	21.62	21.66	1
		12	6	21.19	21.58	21.62	1
		12	13	21.17	21.56	21.60	1
		25	0	21.07	21.46	21.50	1
	16QAM	1	0	20.99	21.38	21.42	1
		1	12	20.97	21.36	21.40	1
		1	24	20.88	21.27	21.31	1
		12	0	20.36	20.75	20.79	2
		12	6	20.32	20.71	20.75	2
		12	13	20.29	20.68	20.72	2
		25	0	20.12	20.51	20.55	2
BW	Modulation	RB Size	RB Offset	Low CH 18650	Mid CH 18900	High CH 19150	3GPP MPR (dB)
				Frequency 1855 MHz	Frequency 1880 MHz	Frequency 1905 MHz	
10 MHz	QPSK	1	0	22.25	22.64	22.68	0
		1	24	22.15	22.54	22.58	0
		1	49	22.12	22.51	22.55	0
		25	0	21.25	21.64	21.68	1
		25	12	21.21	21.60	21.64	1
		25	25	21.19	21.58	21.62	1
		50	0	21.09	21.48	21.52	1
	16QAM	1	0	21.01	21.40	21.44	1
		1	24	20.99	21.38	21.42	1
		1	49	20.90	21.29	21.33	1
		25	0	20.38	20.77	20.81	2
		25	12	20.34	20.73	20.77	2
		25	25	20.31	20.70	20.74	2
		50	0	20.14	20.53	20.57	2



LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18675	Mid CH 18900	High CH 19125	3GPP MPR (dB)
				Frequency 1857.5 MHz	Frequency 1880 MHz	Frequency 1902.5 MHz	
15 MHz	QPSK	1	0	22.28	22.67	22.71	0
		1	37	22.18	22.57	22.61	0
		1	74	22.15	22.54	22.58	0
		36	0	21.28	21.67	21.71	1
		36	19	21.24	21.63	21.67	1
		36	39	21.22	21.61	21.65	1
		75	0	21.12	21.51	21.55	1
	16QAM	1	0	21.04	21.43	21.47	1
		1	37	21.02	21.41	21.45	1
		1	74	20.93	21.32	21.36	1
		36	0	20.41	20.80	20.84	2
		36	19	20.37	20.76	20.80	2
		36	39	20.34	20.73	20.77	2
		75	0	20.17	20.56	20.60	2
BW	Modulation	RB Size	RB Offset	Low CH 18700	Mid CH 18900	High CH 19100	3GPP MPR (dB)
				Frequency 1860 MHz	Frequency 1880 MHz	Frequency 1900 MHz	
20MHz	QPSK	1	0	22.33	22.72	22.76	0
		1	50	22.23	22.62	22.66	0
		1	99	22.20	22.59	22.63	0
		50	0	21.33	21.72	21.76	1
		50	25	21.29	21.68	21.72	1
		50	50	21.27	21.66	21.70	1
		100	0	21.17	21.56	21.60	1
	16QAM	1	0	21.09	21.48	21.52	1
		1	50	21.07	21.46	21.50	1
		1	99	20.98	21.37	21.41	1
		50	0	20.46	20.85	20.89	2
		50	25	20.42	20.81	20.85	2
		50	50	20.39	20.78	20.82	2
		100	0	20.22	20.61	20.65	2



**LTE BAND 4**

LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 19957	Mid CH 20175	High CH 20393	MPR
				Frequency 1710.7 MHz	Frequency 1732.5 MHz	Frequency 1754.3 MHz	
1.4MHz	QPSK	1	0	21.85	22.13	22.42	0
		1	2	21.83	22.11	22.40	0
		1	5	21.80	22.08	22.37	0
		3	0	21.83	22.11	22.40	0
		3	1	21.81	22.09	22.38	0
		3	3	21.78	22.06	22.35	0
		6	0	20.68	20.96	21.25	1
	16QAM	1	0	20.61	20.89	21.18	1
		1	2	20.60	20.88	21.17	1
		1	5	20.41	20.69	20.98	1
		3	0	20.60	20.88	21.17	1
		3	1	20.59	20.87	21.16	1
		3	3	20.40	20.68	20.97	1
		6	0	19.76	20.04	20.33	2
BW	Modulation	RB Size	RB Offset	Low CH 19965	Mid CH 20175	High CH 20385	MPR
				Frequency 1711.5 MHz	Frequency 1732.5 MHz	Frequency 1753.5 MHz	
3 MHz	QPSK	1	0	21.86	22.14	22.43	0
		1	7	21.84	22.12	22.41	0
		1	14	21.81	22.09	22.38	0
		8	0	20.88	21.16	21.45	1
		8	3	20.79	21.07	21.36	1
		8	7	20.77	21.05	21.34	1
		15	0	20.69	20.97	21.26	1
	16QAM	1	0	20.62	20.90	21.19	1
		1	7	20.61	20.89	21.18	1
		1	14	20.42	20.70	20.99	1
		8	0	19.91	20.19	20.48	2
		8	3	19.85	20.13	20.42	2
		8	7	19.82	20.10	20.39	2
		15	0	19.77	20.05	20.34	2



LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 19975	Mid CH 20175	High CH 20375	MPR
				Frequency 1712.5 MHz	Frequency 1732.5 MHz	Frequency 1752.5 MHz	
5 MHz	QPSK	1	0	21.89	22.17	22.46	0
		1	12	21.87	22.15	22.44	0
		1	24	21.84	22.12	22.41	0
		12	0	20.91	21.19	21.48	1
		12	6	20.82	21.10	21.39	1
		12	13	20.80	21.08	21.37	1
		25	0	20.72	21.00	21.29	1
	16QAM	1	0	20.65	20.93	21.22	1
		1	12	20.64	20.92	21.21	1
		1	24	20.45	20.73	21.02	1
		12	0	19.94	20.22	20.51	2
		12	6	19.88	20.16	20.45	2
		12	13	19.85	20.13	20.42	2
		25	0	19.80	20.08	20.37	2
BW	Modulation	RB Size	RB Offset	Low CH 20000	Mid CH 20175	High CH 20350	MPR
				Frequency 1715 MHz	Frequency 1732.5 MHz	Frequency 1750 MHz	
10 MHz	QPSK	1	0	21.93	22.21	22.50	0
		1	24	21.91	22.19	22.48	0
		1	49	21.88	22.16	22.45	0
		25	0	20.95	21.23	21.52	1
		25	12	20.86	21.14	21.43	1
		25	25	20.84	21.12	21.41	1
		50	0	20.76	21.04	21.33	1
	16QAM	1	0	20.69	20.97	21.26	1
		1	24	20.68	20.96	21.25	1
		1	49	20.49	20.77	21.06	1
		25	0	19.98	20.26	20.55	2
		25	12	19.92	20.20	20.49	2
		25	25	19.89	20.17	20.46	2
		50	0	19.84	20.12	20.41	2



LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 20025	Mid CH 20175	High CH 20325	MPR
				Frequency 1717.5 MHz	Frequency 1732.5 MHz	Frequency 1747.5 MHz	
15 MHz	QPSK	1	0	21.99	22.27	22.56	0
		1	37	21.97	22.25	22.54	0
		1	74	21.94	22.22	22.51	0
		36	0	21.01	21.29	21.58	1
		36	19	20.92	21.20	21.49	1
		36	39	20.90	21.18	21.47	1
		75	0	20.82	21.10	21.39	1
	16QAM	1	0	20.75	21.03	21.32	1
		1	37	20.74	21.02	21.31	1
		1	74	20.55	20.83	21.12	1
		36	0	20.04	20.32	20.61	2
		36	19	19.98	20.26	20.55	2
		36	39	19.95	20.23	20.52	2
		75	0	19.90	20.18	20.47	2
BW	Modulation	RB Size	RB Offset	Low CH 20050	Mid CH 20175	High CH 20300	MPR
				Frequency 1720 MHz	Frequency 1732.5 MHz	Frequency 1745 MHz	
20MHz	QPSK	1	0	22.02	22.30	<b>22.59</b>	0
		1	50	22.00	22.28	22.57	0
		1	99	21.97	22.25	22.54	0
		50	0	21.04	21.32	21.61	1
		50	25	20.95	21.23	21.52	1
		50	50	20.93	21.21	21.50	1
		100	0	20.85	21.13	21.42	1
	16QAM	1	0	20.78	21.06	21.35	1
		1	50	20.77	21.05	21.34	1
		1	99	20.58	20.86	21.15	1
		50	0	20.07	20.35	20.64	2
		50	25	20.01	20.29	20.58	2
		50	50	19.98	20.26	20.55	2
		100	0	19.93	20.21	20.50	2



**LTE BAND 5**

Band/BW	Modulation	RB Size	RB Offset	Low CH 20407	Mid CH 20525	High CH 20643	3GPP MPR (dB)
				Frequency 824.7 MHz	Frequency 836.5 MHz	Frequency 848.3 MHz	
5/1.4	QPSK	1	0	21.90	22.73	22.51	0
		1	2	21.86	22.69	22.47	0
		1	5	21.49	22.32	22.10	0
		3	0	21.88	22.71	22.49	0
		3	1	21.84	22.67	22.45	0
		3	3	21.47	22.30	22.08	0
	16QAM	6	0	20.97	21.80	21.58	1
		1	0	20.40	21.23	21.01	1
		1	2	20.36	21.19	20.97	1
		1	5	19.39	20.22	20.00	1
		3	0	20.39	21.22	21.00	1
		3	1	20.35	21.18	20.96	1
		3	3	19.38	20.21	19.99	1
		6	0	20.07	20.90	20.68	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 20415	Mid CH 20525	High CH 20635	3GPP MPR (dB)
				Frequency 825.5 MHz	Frequency 836.5 MHz	Frequency 847.5 MHz	
5/3	QPSK	1	0	21.94	22.77	22.55	0
		1	7	21.90	22.73	22.51	0
		1	14	21.53	22.36	22.14	0
		8	0	21.31	22.14	21.92	1
		8	3	21.26	22.09	21.87	1
		8	7	20.88	21.71	21.49	1
		15	0	21.01	21.84	21.62	1
	16QAM	1	0	20.44	21.27	21.05	1
		1	7	20.40	21.23	21.01	1
		1	14	19.43	20.26	20.04	1
		8	0	20.38	21.21	20.99	2
		8	3	20.37	21.20	20.98	2
		8	7	19.76	20.59	20.37	2
		15	0	20.11	20.94	20.72	2



Band/BW	Modulation	RB Size	RB Offset	Low CH 20425	Mid CH 20525	High CH 20625	3GPP MPR (dB)
				Frequency 826.5 MHz	Frequency 836.5 MHz	Frequency 846.5 MHz	
5/5	QPSK	1	0	22.00	22.83	22.61	0
		1	12	21.96	22.79	22.57	0
		1	24	21.59	22.42	22.20	0
		12	0	21.37	22.20	21.98	1
		12	6	21.32	22.15	21.93	1
		12	13	20.94	21.77	21.55	1
		25	0	21.07	21.90	21.68	1
	16QAM	1	0	20.50	21.33	21.11	1
		1	12	20.46	21.29	21.07	1
		1	24	19.49	20.32	20.10	1
		12	0	20.44	21.27	21.05	2
		12	6	20.43	21.26	21.04	2
		12	13	19.82	20.65	20.43	2
		25	0	20.17	21.00	20.78	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 20450	Mid CH 20525	High CH 20600	3GPP MPR (dB)
				Frequency 829 MHz	Frequency 836.5 MHz	Frequency 844 MHz	
5/10	QPSK	1	0	22.03	<b>22.86</b>	22.64	0
		1	24	21.99	22.82	22.60	0
		1	49	21.62	22.45	22.23	0
		25	0	21.40	22.23	22.01	1
		25	12	21.35	22.18	21.96	1
		25	25	20.97	21.80	21.58	1
		50	0	21.10	21.93	21.71	1
	16QAM	1	0	20.53	21.36	21.14	1
		1	24	20.49	21.32	21.10	1
		1	49	19.52	20.35	20.13	1
		25	0	20.47	21.30	21.08	2
		25	12	20.46	21.29	21.07	2
		25	25	19.85	20.68	20.46	2
		50	0	20.20	21.03	20.81	2



LTE BAND 12

LTE Band 12							
BW	Modulation	RB Size	RB Offset	Low CH 23017	Mid CH 23095	High CH 23173	MPR
				Frequency 699.7 MHz	Frequency 707.5 MHz	Frequency 715.3 MHz	
1.4 MHz	QPSK	1	0	23.08	23.29	23.17	0
		1	2	23.00	23.21	23.09	0
		1	5	22.91	23.12	23.00	0
		3	0	23.06	23.27	23.15	0
		3	1	22.98	23.19	23.07	0
		3	3	22.89	23.10	22.98	0
		6	0	22.02	22.23	22.11	1
	16QAM	1	0	21.70	21.91	21.79	1
		1	2	21.68	21.89	21.77	1
		1	5	21.28	21.49	21.37	1
		3	0	21.69	21.90	21.78	1
		3	1	21.67	21.88	21.76	1
		3	3	21.27	21.48	21.36	1
		6	0	21.03	21.24	21.12	2
LTE Band 12							
BW	Modulation	RB Size	RB Offset	Low CH 23025	Mid CH 23095	High CH 23165	MPR
				Frequency 700.5 MHz	Frequency 707.5 MHz	Frequency 714.5 MHz	
3 MHz	QPSK	1	0	23.12	23.33	23.21	0
		1	7	23.04	23.25	23.13	0
		1	14	22.95	23.16	23.04	0
		8	0	22.16	22.37	22.25	1
		8	3	22.13	22.34	22.22	1
		8	7	22.10	22.31	22.19	1
		15	0	22.06	22.27	22.15	1
	16QAM	1	0	21.74	21.95	21.83	1
		1	7	21.72	21.93	21.81	1
		1	14	21.32	21.53	21.41	1
		8	0	21.20	21.41	21.29	2
		8	3	21.17	21.38	21.26	2
		8	7	21.12	21.33	21.21	2
		15	0	21.07	21.28	21.16	2



LTE Band 12							
BW	Modulation	RB Size	RB Offset	Low CH 23035	Mid CH 23095	High CH 23155	MPR
				Frequency 701.5 MHz	Frequency 707.5 MHz	Frequency 713.5 MHz	
5 MHz	QPSK	1	0	23.18	23.39	23.27	0
		1	12	23.10	23.31	23.19	0
		1	24	23.01	23.22	23.10	0
		12	0	22.22	22.43	22.31	1
		12	6	22.19	22.40	22.28	1
		12	13	22.16	22.37	22.25	1
		25	0	22.12	22.33	22.21	1
	16QAM	1	0	21.80	22.01	21.89	1
		1	12	21.78	21.99	21.87	1
		1	24	21.38	21.59	21.47	1
		12	0	21.26	21.47	21.35	2
		12	6	21.23	21.44	21.32	2
		12	13	21.18	21.39	21.27	2
		25	0	21.13	21.34	21.22	2
LTE Band 12							
BW	Modulation	RB Size	RB Offset	Low CH 23060	Mid CH 23095	High CH 23130	MPR
				Frequency 704 MHz	Frequency 707.5 MHz	Frequency 711 MHz	
10 MHz	QPSK	1	0	23.21	<b>23.42</b>	23.30	0
		1	24	23.13	23.34	23.22	0
		1	49	23.04	23.25	23.13	0
		25	0	22.25	22.46	22.34	1
		25	12	22.22	22.43	22.31	1
		25	25	22.19	22.40	22.28	1
		50	0	22.15	22.36	22.24	1
	16QAM	1	0	21.83	22.04	21.92	1
		1	24	21.81	22.02	21.90	1
		1	49	21.41	21.62	21.50	1
		25	0	21.29	21.50	21.38	2
		25	12	21.26	21.47	21.35	2
		25	25	21.21	21.42	21.30	2
		50	0	21.16	21.37	21.25	2



**LTE BAND 17**

LTE Band 17							
BW	Modulation	RB Size	RB Offset	Low CH 23755	Mid CH 23790	High CH 23825	MPR
				Frequency 706.5 MHz	Frequency 710 MHz	Frequency 713.5 MHz	
5 MHz	QPSK	1	0	22.34	22.37	22.33	0
		1	12	22.30	22.33	22.29	0
		1	24	22.25	22.28	22.24	0
		12	0	21.59	21.62	21.58	1
		12	6	21.54	21.57	21.53	1
		12	13	21.51	21.54	21.50	1
		25	0	21.54	21.57	21.53	1
	16QAM	1	0	21.25	21.28	21.24	1
		1	12	21.20	21.23	21.19	1
		1	24	21.16	21.19	21.15	1
		12	0	20.47	20.50	20.46	2
		12	6	20.44	20.47	20.43	2
		12	13	20.38	20.41	20.37	2
		25	0	20.61	20.64	20.60	2
BW	Modulation	RB Size	RB Offset	Low CH 23780	Mid CH 23790	High CH 23800	MPR
				Frequency 709 MHz	Frequency 710 MHz	Frequency 711 MHz	
10 MHz	QPSK	1	0	22.38	<b>22.41</b>	22.37	0
		1	24	22.34	22.37	22.33	0
		1	49	22.29	22.32	22.28	0
		25	0	21.63	21.66	21.62	1
		25	12	21.58	21.61	21.57	1
		25	25	21.55	21.58	21.54	1
		50	0	21.58	21.61	21.57	1
	16QAM	1	0	21.29	21.32	21.28	1
		1	24	21.24	21.27	21.23	1
		1	49	21.20	21.23	21.19	1
		25	0	20.51	20.54	20.50	2
		25	12	20.48	20.51	20.47	2
		25	25	20.42	20.45	20.41	2
		50	0	20.65	20.68	20.64	2



### 3.5 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

#### GSM

Band	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	E.I.R.P Power (mW)/8	Power Density (mW/cm <sup>2</sup> )	limit (mW/cm <sup>2</sup> )	PASS / FAIL
GSM850	824.2	GPRS12	3.5	34.0	702.927	0.140	0.55	PASS
PCS1900	1850.2	GPRS12	4.8	30.0	377.494	0.075	1.00	PASS

#### WCDMA

Band	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	E.I.R.P Power (mW)	Power Density (mW/cm <sup>2</sup> )	limit (mW/cm <sup>2</sup> )	PASS / FAIL
WCDMA II	1880	RMC12.2K	4.8	23.5	630.957	0.126	1.00	PASS
WCDMA V	826.4	RMC12.2K	3.5	24.5	676.083	0.135	0.56	PASS

#### LTE

Band	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	E.I.R.P Power (mW)	Power Density (mW/cm <sup>2</sup> )	limit (mW/cm <sup>2</sup> )	PASS / FAIL
Band2	1900	QPSK	4.8	23.0	602.560	0.120	1.00	PASS
Band4	1745	QPSK	4.8	23.0	602.560	0.120	1.00	PASS
Band5	836.5	QPSK	3.5	23.5	501.187	0.100	0.56	PASS
Band12	707.5	QPSK	3.5	24.0	562.341	0.112	0.47	PASS
Band17	710	QPSK	3.5	23.0	446.684	0.089	0.47	PASS