



RF EXPOSURE REPORT

Product: LTE Module

Model Name: ME3630

FCC ID: SRQ-ME3630

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

Lab Location: No. 34, Chenwulu Section, Guantai Rd., Houjie Town,

Dongguan City, Guangdong 523942, China

TEL: +86 769 8593 5656

FAX: +86 769 8593 1080

E-MAIL: customerservice.dg@cn.bureauveritas.com

Report No.: SA160714W002

Received Date: Jul. 15, 2016

Test Date: Jul. 15, 2016 ~ Jul. 26, 2016

Issued Date: Jul. 27, 2016

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Tel: +86 769 8593 5656 Fax: +86 769 8593 1080

Email: customerservice.dq@cn.bureauveritas.com



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA160714W002	Original release	Jul. 27, 2016

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1 CERTIFICATION

PRODUCT: LTE Module

BRAND NAME: ZTE

MODEL NAME: ME3630

APPLICANT: ZTE Corporation

TESTED: Jul. 15, 2016 ~ Jul. 26, 2016

TEST SAMPLE: Identical Prototype

STANDARDS: FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

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	:	[2].	_ ,	DATE:	Jul. 27, 2016
		(Yugiang Yin/ Engineer)			

E a soul

APPROVED BY: , DATE: Jul. 27, 2016

(Bill Yao / Manager)



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	LTE Module				
MODEL NAME	ME3630				
NOMINAL VOLTAGE	3.8Vdc				
OPERATING TEMPERATURE RANGE	-30 ~ 75°C				
MODULATION TYPE	WCDMA	BPSK/QPSK			
MODULATION TIPE	LTE	QPSK, 16QAM			
	WCDMA	1852.4MHz ~ 1907.6MHz (FOR WCDMA 1900) 826.4MHz ~ 846.6MHz (FOR WCDMA 850)			
OPERATING FREQUENCY	LTE	1850MHz ~ 1910MHz (FOR LTE Band2) 1710MHz ~ 1755MHz (FOR LTE Band4) 824MHZ ~ 849MHZ (FOR LTE Band5) 699MHz ~ 716MHz (FOR LTE Band12) 704MHz ~ 716MHz (FOR LTE Band17)			
ANTENNA TYPE	Other antenr	na			
ANTENNA GAIN	3.5dBi gain for WCDMA 850/ LTE Band 5/ LTE Band12/ LTE Band 17 4.8dBi gain for WCDMA 1900/ LTE Band 2/ LTE Band 4				
HW Version	ME3630-U1A_MB_A				
SW Version	ME3630U1A	V1.0B02			
I/O PORTS	Refer to use	r's manual			

NOTE:

- 1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 2. 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/cm²)	AVERAGE TIME (minutes)					
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE									
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*r2)

where

Pd = power density in mW/cm2

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 **Module Approval**.

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Email: customerservice.dq@cn.bureauveritas.com



3.4 CONDUCTED POWER

Band	WCDMA II								
Channel	9262	9400	9538						
Frequency (MHz)	1852.4	1880.0	1907.6						
RMC 12.2K	22.85	22.67	22.63						
HSPA									
HSDPA Subtest-1	21.55	21.33	21.33						
HSDPA Subtest-2	21.50	21.31	21.28						
HSDPA Subtest-3	21.02	20.85	20.80						
HSDPA Subtest-4	20.99	20.81	20.77						
HSUPA Subtest-1	21.66	21.69	21.71						
HSUPA Subtest-2	19.85	19.88	19.84						
HSUPA Subtest-3	20.84	20.85	20.83						
HSUPA Subtest-4	19.72	19.75	19.66						
HSUPA Subtest-5	21.79	21.75	21.78						

Band		WCDMA V	
Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	22.90	23.05	23.00
HSPA			
HSDPA Subtest-1	21.60	21.77	21.70
HSDPA Subtest-2	21.55	21.75	21.65
HSDPA Subtest-3	21.07	21.28	21.17
HSDPA Subtest-4	21.04	21.27	21.14
HSUPA Subtest-1	21.91	22.05	22.00
HSUPA Subtest-2	20.04	20.12	20.13
HSUPA Subtest-3	21.03	21.11	21.12
HSUPA Subtest-4	19.91	19.99	19.95
HSUPA Subtest-5	22.06	22.20	22.15

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LTE BAND 2

LTE BANI				LTE Band 2			
BW	M. I. I. d.	RB	RB	Low CH 18607	Mid CH 18900	High CH 19193	3GPP
BW	Modulation	Size	Offset	Frequency 1850.7 MHz	Frequency 1880 MHz	Frequency 1909.3 MHz	MPR (dB)
		1	0	21.69	21.92	21.82	0
		1	2	21.61	21.76	21.69	0
		1	5	21.51	21.72	21.52	0
	QPSK	3	0	21.68	21.91	21.81	0
		3	1	21.60	21.75	21.68	0
		3	3	21.50	21.71	21.51	0
4 40011-		6	0	20.51	20.74	20.64	1
1.4MHz		1	0	20.61	20.76	20.69	1
		1	2	20.54	20.75	20.55	1
	16QAM	1	5	20.43	20.66	20.56	1
		3	0	20.59	20.74	20.67	1
		3	1	20.52	20.73	20.53	1
		3	3	20.41	20.64	20.54	1
		6	0	19.54	19.69	19.62	2
DW	Madalatian	RB	RB	Low CH 18615	Mid CH 18900	High CH 19185	3GPP
BW	Modulation	Size	Offset	Frequency 1851.5 MHz	Frequency 1880 MHz	Frequency 1908.5 MHz	MPR (dB)
		1	0	21.72	21.95	21.85	0
		1	7	21.64	21.79	21.72	0
		1	14	21.54	21.75	21.55	0
	QPSK	8	0	20.58	20.81	20.71	1
		8	3	20.62	20.77	20.70	1
		8	7	20.51	20.72	20.52	1
		15	0	20.54	20.77	20.67	1
3 MHz		1	0	20.64	20.79	20.72	1
		1	7	20.57	20.78	20.58	1
		1	14	20.46	20.69	20.59	1
	16QAM	8	0	19.65	19.80	19.73	2
		8	3	19.49	19.70	19.50	2
		8	7	19.51	19.74	19.64	2
		15	0	19.57	19.72	19.65	2

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				LTE Band 2			
BW		RB	RB	Low CH 18625	Mid CH 18900	High CH 19175	3GPP
BW	Modulation	Size	Offset	Frequency 1852.5 MHz	Frequency 1880 MHz	Frequency 1907.5 MHz	MPR (dB)
		1	0	21.75	21.98	21.88	0
		1	12	21.67	21.82	21.75	0
		1	24	21.57	21.78	21.58	0
	QPSK	12	0	20.61	20.84	20.74	1
		12	6	20.65	20.80	20.73	1
		12	13	20.54	20.75	20.55	1
- na		25	0	20.57	20.80	20.70	1
5 MHz		1	0	20.67	20.82	20.75	1
		1	12	20.60	20.81	20.61	1
		1	24	20.49	20.72	20.62	1
	16QAM	12	0	19.68	19.83	19.76	2
		12	6	19.52	19.73	19.53	2
		12	13	19.54	19.77	19.67	2
		25	0	19.60	19.75	19.68	2
DW	Madalatian	RB	RB	Low CH 18650	Mid CH 18900	High CH 19150	3GPP
BW	Modulation	Size	Offset	Frequency 1855 MHz	Frequency 1880 MHz	Frequency 1905 MHz	MPR (dB)
		1	0	21.77	22.00	21.90	0
		1	24	21.69	21.84	21.77	0
	l	1	49	21.59	21.80	21.60	0
	QPSK	25	0	20.63	20.86	20.76	1
		25	12	20.67	20.82	20.75	1
		25	25	20.56	20.77	20.57	1
40.551		50	0	20.59	20.82	20.72	1
10 MHz		1	0	20.69	20.84	20.77	1
		1	24	20.62	20.83	20.63	1
		1	49	20.51	20.74	20.64	1
	16QAM	25	0	19.70	19.85	19.78	2
		25	12	19.54	19.75	19.55	2
		25	25	19.56	19.79	19.69	2
		50	0	19.62	19.77	19.70	2

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				LTE Band 2			
BW	Modulation	RB	RB	Low CH 18675	Mid CH 18900	High CH 19125	3GPP MPR
DW	Wodulation	Size	Offset	Frequency 1857.5 MHz	Frequency 1880 MHz	Frequency 1902.5 MHz	(dB)
		1	0	21.80	22.03	21.93	0
		1	37	21.72	21.87	21.80	0
		1	74	21.62	21.83	21.63	0
	QPSK	36	0	20.66	20.89	20.79	1
		36	19	20.70	20.85	20.78	1
		36	39	20.59	20.80	20.60	1
45.501		75	0	20.62	20.85	20.75	1
15 MHz		1	0	20.72	20.87	20.80	1
		1	37	20.65	20.86	20.66	1
	16QAM	1	74	20.54	20.77	20.67	1
		36	0	19.73	19.88	19.81	2
		36	19	19.57	19.78	19.58	2
		36	39	19.59	19.82	19.72	2
		75	0	19.65	19.80	19.73	2
		RB	RB	Low CH 18700	Mid CH 18900	High CH 19100	3GPP
BW	Modulation	Size	Offset	Frequency 1860 MHz	Frequency 1880 MHz	Frequency 1900 MHz	MPR (dB)
		1	0	21.85	22.08	21.98	0
		1	50	21.77	21.92	21.85	0
		1	99	21.67	21.88	21.68	0
	QPSK	50	0	20.71	20.94	20.84	1
		50	25	20.75	20.90	20.83	1
		50	50	20.64	20.85	20.65	1
		100	0	20.67	20.90	20.80	1
20MHz		1	0	20.77	20.92	20.85	1
		1	50	20.70	20.91	20.71	1
		1	99	20.59	20.82	20.72	1
	16QAM	50	0	19.78	19.93	19.86	2
		50	25	19.62	19.83	19.63	2
		50	50	19.64	19.87	19.77	2
		100	0	19.70	19.85	19.78	2

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LTE BAND 4

				LTE Band 4			
BW	Modulation	RB	RB	Low CH 19957	Mid CH 20175	High CH 20393	MPR
BW	Wodulation	Size	Offset	Frequency 1710.7 MHz	Frequency 1732.5 MHz	Frequency 1754.3 MHz	WIFK
		1	0	21.44	21.65	21.73	0
		1	2	21.33	21.54	21.62	0
		1	5	21.32	21.53	21.61	0
	QPSK	3	0	21.42	21.63	21.71	0
		3	1	21.31	21.52	21.60	0
		3	3	21.30	21.51	21.59	0
		6	0	20.41	20.62	20.70	1
1.4MHz		1	0	20.39	20.60	20.68	1
	16QAM	1	2	20.28	20.49	20.57	1
		1	5	20.27	20.48	20.56	1
		3	0	20.38	20.59	20.67	1
		3	1	20.27	20.48	20.56	1
		3	3	20.26	20.47	20.55	1
		6	0	19.36	19.57	19.65	2
DW/	Modulation	RB	RB	Low CH 19965	Mid CH 20175	High CH 20385	MDD
BW	Modulation	Size	Offset	Frequency 1711.5 MHz	Frequency 1732.5 MHz	Frequency 1753.5 MHz	MPR
		1	0	21.45	21.66	21.74	0
		1	7	21.34	21.55	21.63	0
	QPSK	1	14	21.33	21.54	21.62	0
		8	0	20.41	20.62	20.70	1
		8	3	20.32	20.53	20.61	1
		8	7	20.35	20.56	20.64	1
2 MII-		15	0	20.42	20.63	20.71	1
3 MHz		1	0	20.40	20.61	20.69	1
		1	7	20.29	20.50	20.58	1
		1	14	20.28	20.49	20.57	1
	16QAM	8	0	19.36	19.57	19.65	2
		8	3	19.27	19.48	19.56	2
		8	7	19.30	19.51	19.59	2
		15	0	19.37	19.58	19.66	2

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			LTE Band 4			
Modulation	RB	RB	Low CH 19975	Mid CH 20175	High CH 20375	MPR
Modulation	Size	Offset	Frequency 1712.5 MHz	Frequency 1732.5 MHz	Frequency 1752.5 MHz	WIPK
	1	0	21.48	21.69	21.77	0
	1	12	21.37	21.58	21.66	0
	1	24	21.36	21.57	21.65	0
QPSK	12	0	20.44	20.65	20.73	1
	12	6	20.35	20.56	20.64	1
	12	13	20.38	20.59	20.67	1
	25	0	20.45	20.66	20.74	1
	1	0	20.43	20.64	20.72	1
16QAM	1	12	20.32	20.53	20.61	1
	1	24	20.31	20.52	20.60	1
	12	0	19.39	19.60	19.68	2
	12	6	19.30	19.51	19.59	2
	12	13	19.33	19.54	19.62	2
	25	0	19.40	19.61	19.69	2
	RB	RB	Low CH 20000	Mid CH 20175	High CH 20350	
Modulation	Size	Offset	Frequency 1715 MHz	Frequency 1732.5 MHz	Frequency 1750 MHz	MPR
	1	0	21.52	21.73	21.81	0
	1	24	21.41	21.62	21.70	0
	1	49	21.40	21.61	21.69	0
QPSK	25	0	20.48	20.69	20.77	1
	25	12	20.39	20.60	20.68	1
	25	25	20.42	20.63	20.71	1
	50	0	20.49	20.70	20.78	1
	1	0	20.47	20.68	20.76	1
	1	24	20.36	20.57	20.65	1
	1	49	20.35	20.56	20.64	1
16QAM	25	0	19.43	19.64	19.72	2
	25	12	19.34	19.55	19.63	2
	25	25	19.37	19.58	19.66	2
	50	0	19.44	19.65	19.73	2
	16QAM Modulation	Nodulation Size	Modulation Size Offset	Modulation RB Size RB Offset Low CH 19975 Frequency 1712.5 MHz Frequency 1712.5 MHz I 0 21.48 1 12 21.37 1 24 21.36 12 0 20.44 12 6 20.35 12 13 20.38 25 0 20.45 1 12 20.32 1 12 20.32 1 12 20.32 1 12 20.32 1 12 20.32 1 12 20.32 1 12 20.32 1 24 20.31 12 13 19.39 12 6 19.30 12 13 19.33 25 0 19.40 12 13 19.33 12 1 1 24 12 1 24 1	Modulation RB Size RB Offset Low CH 19975 Mid CH 20175 Prequency 1712.5 MHz Frequency 1732.5 MHz Frequency 1732.5 MHz 1 0 21.48 21.69 1 12 21.37 21.58 1 24 21.36 21.57 12 0 20.44 20.65 12 6 20.35 20.56 12 13 20.38 20.59 25 0 20.45 20.66 1 12 20.32 20.53 1 24 20.31 20.52 1 12 20.32 20.53 1 24 20.31 20.52 12 6 19.30 19.51 12 13 19.33 19.54 25 0 19.40 19.61 Modulation RB RB Size RB Size RB Size Low CH 20000 Mid CH 20175 1 24 21.41 21.62	Modulation RB Size RB Offset Low CH 19975 Mid CH 20175 High CH 20375 QPSK 1 0 21.48 21.69 21.77 1 12 21.37 21.58 21.66 1 24 21.36 21.57 21.65 12 0 20.44 20.65 20.73 12 6 20.35 20.56 20.64 12 13 20.38 20.59 20.67 25 0 20.45 20.66 20.74 1 12 20.32 20.53 20.61 1 24 20.31 20.52 20.60 1 24 20.31 20.52 20.60 12 6 19.30 19.60 19.68 12 6 19.30 19.51 19.62 12 13 19.33 19.54 19.62 12 13 19.33 19.54 19.62 12 <t< td=""></t<>

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			LTE Band 4										
BW	Modulation	RB	RB	Low CH 20025	Mid CH 20175	High CH 20325	MPR						
DVV	Modulation	Size	Offset	Frequency 1717.5 MHz	Frequency 1732.5 MHz	Frequency 1747.5 MHz	MIFIX						
		1	0	21.58	21.79	21.87	0						
		1	37	21.47	21.68	21.76	0						
		1	74	21.46	21.67	21.75	0						
	QPSK	36	0	20.54	20.75	20.83	1						
		36	19	20.45	20.66	20.74	1						
		36	39	20.48	20.69	20.77	1						
45 MH-		75	0	20.55	20.76	20.84	1						
15 MHz		1	0	20.53	20.74	20.82	1						
		1	37	20.42	20.63	20.71	1						
	16QAM	1	74	20.41	20.62	20.70	1						
		36	0	19.49	19.70	19.78	2						
		36	19	19.40	19.61	19.69	2						
		36	39	19.43	19.64	19.72	2						
		75	0	19.50	19.71	19.79	2						
	Modulation	RB	RB	Low CH 20050	Mid CH 20175	High CH 20300							
BW		Size	Offset	Frequency 1720 MHz	Frequency 1732.5 MHz	Frequency 1745 MHz	MPR						
		1	0	21.61	21.82	21.90	0						
		1	50	21.50	21.71	21.79	0						
		1	99	21.49	21.70	21.78	0						
	QPSK	50	0	20.57	20.78	20.86	1						
		50	25	20.48	20.69	20.77	1						
		50	50	20.51	20.72 20.80		1						
000411-		100	0	20.58	20.79	20.87	1						
20MHz		1	0	20.56	20.77	20.85	1						
		1	50	20.45	20.66	20.74	1						
		1	99	20.44	20.65	20.73	1						
	16QAM	50	0	19.52	19.73	19.81	2						
		50	25	19.43	19.64	19.72	2						
		50	50	19.46	19.67	19.75	2						
		100	0	19.53	19.74	19.82	2						

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LTE BAND 5

Band/BW	Modulation	RB	RB	Low CH 20407	Mid CH 20525	High CH 20643	3GPP MPR	
	Modulation	Size	Offset	Frequency 824.7 MHz	Frequency 836.5 MHz	Frequency 848.3 MHz	(dB)	
		1	0	23.05	22.87	22.99	0	
		1	2	23.00	22.82	22.78	0	
		1	5	22.83	22.73	22.69	0	
	QPSK	3	0	23.03	22.85	22.97	0	
		3	1	22.98	22.80	22.76	0	
		3	3	22.81	22.71	22.67	0	
5/1.4		6	0	22.13	21.95	22.07	1	
3/1.4		1	0	22.16	21.98	21.94	1	
		1	2	22.05	21.95	21.91	1	
		1	5	22.04	21.86	21.98	1	
	16QAM	3	0	22.15	21.97	21.93	1	
		3	1	22.04	21.94	21.90	1	
		3	3	22.03	21.85	21.97	1	
		6	0	21.11	20.93	20.89	2	
Band/BW	Modulation	RB	RB	Low CH 20415	Mid CH 20525	High CH 20635	3GPP MPR	
Band/BW	modulation	Size	Offset	F	Frequency	Frequency	(dB)	
				Frequency 825.5 MHz	836.5 MHz	847.5 MHz		
		1	0				0	
		1 1	0 7	825.5 MHz	836.5 MHz	847.5 MHz	0	
				825.5 MHz 23.09	836.5 MHz 22.91	847.5 MHz 23.03		
	QPSK	1	7	825.5 MHz 23.09 23.04	836.5 MHz 22.91 22.86	23.03 22.82	0	
	QPSK	1	7 14	23.09 23.04 22.87	22.91 22.86 22.77	23.03 22.82 22.73	0	
	QPSK	1 1 8	7 14 0	23.09 23.04 22.87 22.13	22.91 22.86 22.77 21.95	23.03 22.82 22.73 22.07	0 0 1	
<i>EI</i> 0	QPSK	1 1 8 8	7 14 0 3	23.09 23.04 22.87 22.13 22.12	22.91 22.86 22.77 21.95 21.94	23.03 22.82 22.73 22.07 21.90	0 0 1 1	
5/3	QPSK	1 1 8 8 8	7 14 0 3 7	23.09 23.04 22.87 22.13 22.12 22.02	22.91 22.86 22.77 21.95 21.94 21.92	23.03 22.82 22.73 22.07 21.90 21.88	0 0 1 1	
5/3	QPSK	1 1 8 8 8 8	7 14 0 3 7 0	23.09 23.04 22.87 22.13 22.12 22.02 22.17	22.91 22.86 22.77 21.95 21.94 21.92 21.99	23.03 22.82 22.73 22.07 21.90 21.88 22.11	0 0 1 1 1 1	
5/3	QPSK	1 1 8 8 8 8 15	7 14 0 3 7 0	23.09 23.04 22.87 22.13 22.12 22.02 22.17 22.20	22.91 22.86 22.77 21.95 21.94 21.92 21.99 22.02	23.03 22.82 22.73 22.07 21.90 21.88 22.11 21.98	0 0 1 1 1 1	
5/3	QPSK 16QAM	1 1 8 8 8 8 15 1	7 14 0 3 7 0 0 7	23.09 23.04 22.87 22.13 22.12 22.02 22.17 22.20 22.09	22.91 22.86 22.77 21.95 21.94 21.92 21.99 22.02 21.99	23.03 22.82 22.73 22.07 21.90 21.88 22.11 21.98 21.95	0 0 1 1 1 1 1	
5/3		1 1 8 8 8 15 1 1	7 14 0 3 7 0 0 7	825.5 MHz 23.09 23.04 22.87 22.13 22.12 22.02 22.17 22.20 22.09 22.08	22.91 22.86 22.77 21.95 21.94 21.92 21.99 22.02 21.99 21.90	23.03 22.82 22.73 22.07 21.90 21.88 22.11 21.98 21.95 22.02	0 0 1 1 1 1 1 1	
5/3		1 1 8 8 8 15 1 1 1	7 14 0 3 7 0 0 7 14	825.5 MHz 23.09 23.04 22.87 22.13 22.12 22.02 22.17 22.20 22.09 22.08 21.19	22.91 22.86 22.77 21.95 21.94 21.92 21.99 22.02 21.99 21.90 21.01	23.03 22.82 22.73 22.07 21.90 21.88 22.11 21.98 21.95 22.02 20.97	0 0 1 1 1 1 1 1 1 1	

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Band/BW	Modulation	RB	RB	Low CH 20425	Mid CH 20525	High CH 20625	3GPP MPR
	Modulation	Size	Offset	Frequency 826.5 MHz	Frequency 836.5 MHz	Frequency 846.5 MHz	(dB)
		1	0	23.15	22.97	23.09	0
		1	12	23.10	22.92	22.88	0
		1	24	22.93	22.83	22.79	0
	QPSK	12	0	22.19	22.01	22.13	1
		12	6	22.18	22.00	21.96	1
		12	13	22.08	21.98	21.94	1
5/5		25	0	22.23	22.05	22.17	1
3/3		1	0	22.26	22.08	22.04	1
		1	12	22.15	22.05	22.01	1
		1	24	22.14	21.96	22.08	1
	16QAM	12	0	21.25	21.07	21.03	2
		12	6	21.25	21.15	21.11	2
		12	13	21.17	20.99	21.11	2
		25	0	21.21	21.03	20.99	2
		RB		Low CH	Mid CH	Himb CH	3GPP MPR
Band/BW	Modulation	RB	RB	20450	20525	High CH 20600	
Band/BW	Modulation	RB Size	RB Offset				3GPP MPR (dB)
Band/BW	Modulation			20450 Frequency	20525 Frequency	20600 Frequency	MPR
Band/BW	Modulation	Size	Offset	20450 Frequency 829 MHz	20525 Frequency 836.5 MHz	20600 Frequency 844 MHz	MPR (dB)
Band/BW	Modulation	Size 1	Offset 0	20450 Frequency 829 MHz 23.18	20525 Frequency 836.5 MHz 23.00	20600 Frequency 844 MHz 23.12	MPR (dB)
Band/BW	Modulation QPSK	1 1	0 24	20450 Frequency 829 MHz 23.18 23.13	20525 Frequency 836.5 MHz 23.00 22.95	20600 Frequency 844 MHz 23.12 22.91	MPR (dB) 0
Band/BW		1 1 1	0 24 49	20450 Frequency 829 MHz 23.18 23.13 22.96	20525 Frequency 836.5 MHz 23.00 22.95 22.86	20600 Frequency 844 MHz 23.12 22.91 22.82	MPR (dB) 0 0 0
Band/BW		1 1 1 25	0 24 49 0	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16	MPR (dB) 0 0 1
		1 1 1 25 25	0 24 49 0 12	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22 22.21	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04 22.03	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16 21.99	MPR (dB) 0 0 1 1
Band/BW 5/10		1 1 1 25 25 25	0 24 49 0 12 25	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22 22.21 22.11	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04 22.03 22.01	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16 21.99 21.97	MPR (dB) 0 0 1 1 1
		1 1 1 25 25 25 50	0 24 49 0 12 25 0	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22 22.21 22.11 22.26	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04 22.03 22.01 22.08	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16 21.99 21.97 22.20	MPR (dB) 0 0 1 1 1
		1 1 1 25 25 25 50 1	0 24 49 0 12 25 0 0	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22 22.21 22.11 22.26 22.29	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04 22.03 22.01 22.08 22.11	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16 21.99 21.97 22.20 22.07	MPR (dB) 0 0 1 1 1 1
	QPSK	Size 1 1 1 25 25 25 50 1 1	0 24 49 0 12 25 0 0 24	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22 22.21 22.11 22.26 22.29 22.18 22.17	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04 22.03 22.01 22.08 22.11 22.08 21.99	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16 21.99 21.97 22.20 22.07 22.04 22.11	MPR (dB) 0 0 1 1 1 1 1 1
		Size 1 1 1 25 25 25 50 1 1 1 25	0 24 49 0 12 25 0 0 24 49 0	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22 22.21 22.11 22.26 22.29 22.18 22.17 21.28	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04 22.03 22.01 22.08 22.11 22.08 21.99 21.10	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16 21.99 21.97 22.20 22.07 22.04 22.11 21.06	MPR (dB) 0 0 1 1 1 1 1 2
	QPSK	Size 1 1 1 25 25 25 50 1 1 1 25 25 25	0 24 49 0 12 25 0 0 24 49 0 12	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22 22.21 22.11 22.26 22.29 22.18 22.17 21.28 21.28	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04 22.03 22.01 22.08 22.11 22.08 21.19 21.10 21.18	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16 21.99 21.97 22.20 22.07 22.04 22.11 21.06 21.14	MPR (dB) 0 0 1 1 1 1 1 2 2
	QPSK	Size 1 1 1 25 25 25 50 1 1 1 25	0 24 49 0 12 25 0 0 24 49 0	20450 Frequency 829 MHz 23.18 23.13 22.96 22.22 22.21 22.11 22.26 22.29 22.18 22.17 21.28	20525 Frequency 836.5 MHz 23.00 22.95 22.86 22.04 22.03 22.01 22.08 22.11 22.08 21.99 21.10	20600 Frequency 844 MHz 23.12 22.91 22.82 22.16 21.99 21.97 22.20 22.07 22.04 22.11 21.06	MPR (dB) 0 0 1 1 1 1 1 2

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LTE BAND 12

				LTE Band 12			
BW	Modulation	RB Size	RB Offset	Low CH 23017 Frequency	Mid CH 23095 Frequency	High CH 23173 Frequency	MPR
		0126	Onset	699.7 MHz	707.5 MHz	715.3 MHz	
		1	0	22.81	22.87	22.82	0
		1	2	22.79	22.81	22.77	0
		1	5	22.69	22.72	22.61	0
	QPSK	3	0	22.79	22.85	22.80	0
		3	1	22.77	22.79	22.75	0
		3	3	22.67	22.70	22.59	0
4 4 5411		6	0	21.78	21.84	21.79	1
1.4 MHz		1	0	21.62	21.65	21.61	1
		1	2	21.59	21.62	21.51	1
		1	5	21.54	21.60	21.55	1
	16QAM	3	0	21.61	21.64	21.60	1
		3	1	21.58	21.61	21.50	1
		3	3	21.53	21.59	21.54	1
		6	0	20.87	20.90	20.86	2
BW	Modulation	RB	RB	Low CH 23025	Mid CH 23095	High CH 23165	MPR
DVV		Size	Offset	Frequency 700.5 MHz	Frequency 707.5 MHz	Frequency 714.5 MHz	IVIPR
		1	0	22.85	22.91	22.86	0
		1	7	22.83	22.85	22.81	0
		1	14	22.73	22.76	22.65	0
	QPSK	8	0	21.97	22.03	21.98	1
		8	3	21.96	21.99 21.95		1
		8	7	21.95	21.98	21.87	1
2 MU-		15	0	21.82	21.88	21.83	1
3 MHz		1	0	21.66	21.69	21.65	1
		1	7	21.63	21.66	21.55	1
		1	14	21.58	21.64	21.59	1
	16QAM	8	0	20.81	20.84	20.80	2
		8	3	20.96	20.99	20.88	2
		8	7	20.95	21.01	20.96	2
		15	0	20.91	20.94	20.90	2

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LTE Band 12										
BW	Modulation	RB	RB	Low CH 23035	Mid CH 23095	High CH 23155	MPR			
	oaaiaiioii	Size	Offset	Frequency 701.5 MHz	Frequency 707.5 MHz	Frequency 713.5 MHz	1			
		1	0	22.91	22.97	22.92	0			
		1	12	22.89	22.91	22.87	0			
		1	24	22.79	22.82	22.71	0			
	QPSK	12	0	22.03	22.09	22.04	1			
		12	6	22.02	22.05	22.01	1			
		12	13	22.01	22.04	21.93	1			
5 MIL		25	0	21.88	21.94	21.89	1			
5 MHz		1	0	21.72	21.75	21.71	1			
		1	12	21.69	21.72	21.61	1			
		1	24	21.64	21.70	21.65	1			
	16QAM	12	0	20.87	20.90	20.86	2			
		12	6	21.02	21.05	20.94	2			
		12	13	21.01	21.07	21.02	2			
		25	0	20.97	21.00	20.96	2			
	Modulation	RB	RB	Low CH 23060	Mid CH 23095	High CH 23130				
BW		Size	Offset	Frequency 704 MHz	Frequency 707.5 MHz	Frequency 711 MHz	MPR			
		1	0	22.94	23.00	22.95	0			
		1	24	22.92	22.94	22.90	0			
		1	49	22.82	22.85	22.74	0			
	QPSK	25	0	22.06	22.12	22.07	1			
		25	12	22.05	22.08	22.04	1			
		25	25	22.04	22.07	21.96	1			
		50	0	21.91	21.97	21.92	1			
10 MHz		1	0	21.75	21.78	21.74	1			
		1	24	21.72	21.75	21.64	1			
		1	49	21.67	21.73	21.68	1			
	16QAM	25	0	20.90	20.93	20.89	2			
		25	12	21.05	21.08	20.97	2			
		25	25	21.04	21.10	21.05	2			
		50	0	21.00	21.03	20.99	2			

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 $\textbf{Email:} \ \underline{\text{customerservice.dg@cn.bureauveritas.com}}$



LTE BAND 17

LTE BAN				LTE Band 17			
BW	Modulation	RB Size	RB Offset	Low CH 23755 Frequency	Mid CH 23790 Frequency	High CH 23825 Frequency	MPR
		0.20		706.5 MHz	710 MHz	713.5 MHz	Ti
		1	0	22.42	22.46	22.37	0
		1	12	22.37	22.23	22.21	0
		1	24	22.33	22.14	22.12	0
	QPSK	12	0	21.37	21.41	21.34	1
		12	6	21.35	21.40	21.32	1
		12	13	21.34	21.30	21.27	1
5 MHz		25	0	21.30	21.33	21.25	1
3 IVITZ		1	0	21.23	21.25	21.22	1
		1	12	21.18	21.20	21.17	1
		1	24	20.96	21.18	21.14	1
	16QAM	12	0	20.22	20.26	20.20	2
		12	6	20.64	20.66	20.60	2
		12	13	20.30	20.34	20.31	2
		25	0	20.33	20.35	20.31	2
DW	Modulation	RB	RB	Low CH 23780	Mid CH 23790		
BW		Size	Offset	Frequency 709 MHz	Frequency 710 MHz	Frequency 711 MHz	MPR
		1	0	22.46	22.50	22.41	0
		1	24	22.41	22.27	22.25	0
		1	49	22.37	22.18	22.16	0
	QPSK	25	0	21.41	21.45	21.38	1
		25	12	21.39	21.44	21.36	1
		25	25	21.38	21.34	21.31	1
40.000		50	0	21.34	21.37	21.29	1
10 MHz		1	0	21.27	21.29	21.26	1
		1	24	21.22	21.24	21.21	1
		1	49	21.00	21.22	21.18	1
	16QAM	25	0	20.26	20.30	20.24	2
		25	12	20.68	20.70	20.64	2
		25	25	20.34	20.38	20.35	2
		50	0	20.37	20.39	20.35	2

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3.5 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

WCDMA

Band	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Conducted Time Average Power (dBm)	E.I.R.P Power (mW)	Power Density (mW/cm^2)	limit (mW/cm^2)	PASS / FAIL
WCDMA V	836.4	GPRS12	3.5	23.05	451.856	0.090	2.60	PASS
WCDMA II	1852.4	GPRS12	4.8	22.85	582.103	0.116	1.00	PASS

LTE

Band	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Conducted Time Average Power (dBm)	E.I.R.P Power (mW)	Power Density (mW/cm^2)	limit (mW/cm^2)	PASS/ FAIL
Band2	1880.0	QPSK	4.8	22.08	487.528	0.097	1.00	PASS
Band4	1745.0	QPSK	4.8	21.90	467.735	0.093	1.00	PASS
Band5	829.0	QPSK	3.5	23.18	465.586	0.093	2.59	PASS
Band12	707.5	QPSK	3.5	23.0	446.684	0.089	2.32	PASS
Band17	710.0	QPSK	3.5	22.5	398.107	0.079	2.33	PASS