



FCC TEST REPORT (PART 27)

Applicant:	PAX Technology Limited			
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Manufacturer or Supplier:	PAX Computer Technology (Shen:	zhen) Co., Ltd.		
Address:	4/F, No.3 Building, Software Park, industrial Park, Shenzhen, Guang	Second Central Science-Tech Road, High-Tech dong, P.R.C.		
Product:	Integrated Smart Terminal			
Brand Name:	PAX			
Model Name:	E800			
FCC ID:	V5PE800			
Date of tests:	May 26, 2018 ~ Jul. 06, 2018			
The tests have bee	The tests have been carried out according to the requirements of the following standard:			
	 ☐ FCC Part 27, Subpart C, L ☐ ANSI/TIA/EIA-603- D ☐ ANSI/TIA/EIA-603-E 			
CONCLUSION: Th	CONCLUSION: The submitted sample was found to <u>COMPLY</u> with the test requirement			
Prepared by Roger Li Engineer / Mobile Department Approved by Sam Tung Manager / Mobile Department				
	Roger			
	ate: Jul. 10, 2018 corporates by reference, CPS Conditions of Service as posted as neighbour-us/nur-business/cns/abour-us/nerms-conditions/and is in	Date: Jul. 10, 2018 t the date of issuance of this report at ntended for your exclusive use. Any copying or replication of this report to or for any other person or		

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF180522W005-6	Original release	Jul. 10, 2018

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1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 27 & Part 2			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
2.1046 27.50(d)(4)	Maximum Peak Output Power	PASS	Meet the requirement of limit.
2.1055 27.54	Frequency Stability	N/A(see note)	Meet the requirement of limit.
2.1049 27.53(h)	Occupied Bandwidth	N/A(see note)	Meet the requirement of limit.
27.50(d)(5)	Peak to average ratio	N/A(see note)	Meet the requirement of limit.
27.53(h)	Band Edge Measurements	N/A(see note)	Meet the requirement of limit.
2.1051 27.53(h)	Conducted Spurious Emissions	N/A(see note)	Meet the requirement of limit.
2.1053 27.53(h)	Radiated Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -31.48dB at 44.550MHz.

Note: The product PAX E800 is fully integrated the LTE module ZTE ME3630 (FCC ID: SRQ-ME3630), no other modification on the LTE Module radio parameter such as power, frequency range, modulation etc., for this report only test E.I.R.P and Radiated Spurious Emissions, other test data are copied from the module report. Please refer to this report for details.

1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY	
Conducted emissions	9kHz~30MHz	2.66dB	
Radiated emissions	9KHz ~ 30MHz	2.68dB	
	30MHz ~ 1GMHz	3.26dB	
	1GHz ~ 18GHz	4.48dB	
	18GHz ~ 40GHz	4.12dB	

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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1.2 EST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Mar. 16,18	Mar. 15,19
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510332	Mar. 16,18	Mar. 15,19
Bilog Antenna 1	ETS-LINDGREN	3143B	00161964	Nov. 26,16	Nov. 25,18
Bilog Antenna 2	ETS-LINDGREN	3143B	00161965	Nov. 26,16	Nov. 25,18
Horn Antenna 1	ETS-LINDGREN	3117	00168728	Nov. 26,16	Nov. 25,18
Horn Antenna 2	ETS-LINDGREN	3117	00168692	Nov. 26,16	Nov. 25,18
Loop antenna	Daze	ZN30900A	0708	Nov. 20,17	Nov. 19,18
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40 -K-SG/QMS-00 361		Dec. 16,16	Dec. 15,18
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Mar. 02,18	Mar. 01,19
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jul. 24,17	Jul. 23,18
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jul. 24,17	Jul. 23,18
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Jul. 24,17	Jul. 23,18
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn- CT0001143-1216	Apr. 21,18	Apr. 20,19
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	ADT	ADT_Radiated _V7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SM A	1505	Jul. 24,17	Jul. 23,18
Power Meter	Anritsu	ML2495A	1506002	Mar. 02,18	Mar. 01,19
Power Sensor	Anritsu	MA2411B	1339352	Mar. 16,18	Mar. 15,19
Humid & Temp Programmable Tester	Juyi	ITH-120-45-CP -AR	IAA1504-001	Jul. 18,17	Jul. 17,18
MXG Analog Microvave Signal Generator	KEYSIGHT	N5183A	MY50143024	Mar. 13,18	Mar. 12,19

NOTE: 1. The calibration interval of the above test instruments is 12 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

- 2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.
- The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
- 4. The FCC Site Registration No. is 525120.



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Integrated Smart Terminal		
MODEL NAME	E800		
POWER SUPPLY	24Vdc (adapter or host equipment) 7.2Vdc (Li-ion, battery)		
MODULATION TECHNOLOGY	LTE	QPSK, 16QAM	
	LTE Band 4 Channel Bandwidth: 1.4MHz	1710.7MHz ~ 1754.3MHz	
	LTE Band 4 Channel Bandwidth: 3MHz	1711.5MHz ~ 1753.5MHz	
	LTE Band 4 Channel Bandwidth: 5MHz	1712.5MHz ~ 1752.5MHz	
	LTE Band 4 Channel Bandwidth: 10MHz	1715.0MHz ~ 1750.0MHz	
	LTE Band 4 Channel Bandwidth: 15MHz	1717.5MHz ~ 1747.5MHz	
FREQUENCY RANGE	LTE Band 4 Channel Bandwidth: 20MHz	1720.0MHz ~ 1745.0MHz	
THE COLITO THAT OF	LTE Band 12 Channel Bandwidth: 1.4MHz	699.7MHz ~ 715.3MHz	
	LTE Band 12 Channel Bandwidth: 3MHz	700.5MHz ~ 714.5MHz	
	LTE Band 12 Channel Bandwidth: 5MHz	701.5MHz ~ 713.5MHz	
	LTE Band 12 Channel Bandwidth: 10MHz	704.0MHz ~ 711.0MHz	
	LTE Band 17 Channel Bandwidth: 5MHz	706.5MHz ~ 713.5MHz	
	LTE Band 17 Channel Bandwidth: 10MHz	709.0MHz ~ 711.0MHz	
	LTE Band 4	QPSK: 1M09G7D	
EMISSION DESIGNATOR	Channel Bandwidth: 1.4MHz	16QAM: 1M08W7D	
	LTE Band 4	QPSK: 2M69G7D	
	Channel Bandwidth: 3MHz	16QAM: 2M68W7D	
	LTE Band 4 Channel Bandwidth: 5MHz	QPSK: 4M49G7D	
		16QAM: 4M47W7D	
	LTE Band 4	QPSK: 8M93G7D	
	Channel Bandwidth: 10MHz	16QAM: 8M92W7D	
	LTE Band 4	QPSK: 13M4G7D	
	Channel Bandwidth: 15MHz	16QAM: 13M4W7D	

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	LTE Band 4	QPSK: 17M9G7D
	Channel Bandwidth: 20MHz	16QAM: 17M8W7D
	LTE Band 12	QPSK: 1M09G7D
	Channel Bandwidth: 1.4MHz	16QAM: 1M08W7D
	LTE Band 12	QPSK: 2M69G7D
	Channel Bandwidth: 3MHz	16QAM: 2M68W7D
EMISSION	LTE Band 12	QPSK: 4M47G7D
DESIGNATOR	Channel Bandwidth: 5MHz	16QAM: 4M46W7D
	LTE Band 12	QPSK: 8M92G7D
	Channel Bandwidth: 10MHz	16QAM: 8M92W7D
	LTE Band 17	QPSK: 4M47G7D
	Channel Bandwidth: 5MHz	16QAM: 4M48W7D
	LTE Band 17	QPSK: 8M91G7D
	Channel Bandwidth: 10MHz	16QAM: 8M91W7D
	LTE Band 4 Channel Bandwidth: 1.4MHz	231mW
	LTE Band 4 Channel Bandwidth: 3MHz	235mW
	LTE Band 4 Channel Bandwidth: 5MHz	231mW
	LTE Band 4 Channel Bandwidth: 10MHz	235mW
	LTE Band 4 Channel Bandwidth: 15MHz	226mW
MAX. ERP/EIRP	LTE Band 4 Channel Bandwidth: 20MHz	195mW
POWER	LTE Band 12 Channel Bandwidth: 1.4MHz	164mW
	LTE Band 12 Channel Bandwidth: 3MHz	172mW
	LTE Band 12 Channel Bandwidth: 5MHz	172mW
	LTE Band 12 Channel Bandwidth: 10MHz	154mW
	LTE Band 17 Channel Bandwidth: 5MHz	157mW
	LTE Band 17 Channel Bandwidth: 10MHz	142mW



ANTENNA TYPE	LTE Band 4 Fixed External Antenna with 0.5d	
ANTENNATTPE	LTE Band 12/ LTE Band 17	Fixed External Antenna with -1.5dBi
HW VERSION E800-XXXXX-XXXX-XXX		
SW VERSION	V0.0.0.1	
ACCESSORY DEVICE Refer to note as below		
DATA CABLE N/A		

NOTE:

- 1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 2. The EUT was powered by the following adapter:

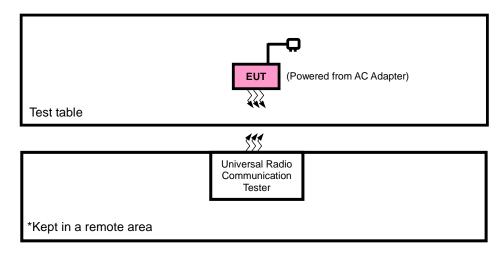
ADAPTER	
BRAND:	НОІОТО
MODEL:	ADS-65HI-19A-3 24065E
INPUT:	AC 100-240V, 1500mA
OUTPUT:	DC 24V, 2700mA

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

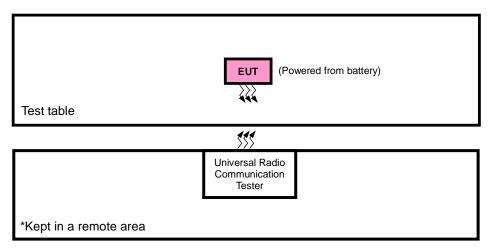


2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



FOR CONDUCTED & E.R.P./E.I.R.P TEST



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2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC source	LONG WEI	PS-6403D	010934269	N/A
2	PC	HP	A6608CN	3CR83825X3	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Detachable 1.0m
2	AC Line: Unshielded, Detachable 1.5m

NOTE:

2.4 DESCRIPTION OF TEST MODES

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case in ERP/EIRP and radiated emission was found when positioned on X-plane for LTE. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
Α	EUT + Adapter + USB Cable with LTE link
В	EUT + Battery with LTE link

^{1.} All power cords of the above support units are non shielded (1.8m).



ITF RAND 4

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
		19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
В	EIRP	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
ь	LIKP	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		19957 to 20393	19957, 20393	1.4MHz	QPSK	1 RB / 0 RB Offset
		19965 to 20385	19965, 20385	3MHz	QPSK	1 RB / 0 RB Offset
D	FREQUENCY	19975 to 20375	19975, 20375	5MHz	QPSK	1 RB / 0 RB Offset
В	STABILITY	20000 to 20350	20000, 20350	10MHz	QPSK	1 RB / 0 RB Offset
		20025 to 20325	20025, 20325	15MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20050, 20300	20MHz	QPSK	1 RB / 0 RB Offset
		19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	6 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	15 RB / 0 RB Offset
ь .	OCCUPIED BANDWIDTH	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
В		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
	PEAK TO AVERAGE RATIO	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
В		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
ь		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
			19957	4.40411	QPSK	1 RB / 0 RB Offset
		100571 00000	19937	1.4MHz	QF3K	6 RB / 0 RB Offset
		19957 to 20393	00000	4.45411	0.0014	1 RB / 5 RB Offset
			20393	1.4MHz	QPSK	6 RB / 0 RB Offset
			10065	21117	0.001/	1 RB / 0 RB Offset
			19965	3MHz	QPSK	15 RB / 0 RB Offset
		19965 to 20385	20295	21117	0.001/	1 RB / 14 RB Offset
	DANID EDGE		20385	3MHz	QPSK	15 RB / 0 RB Offset
В	BAND EDGE		10075	EMU-	0.0014	1 RB / 0 RB Offset
		10075 / 00055	19975	5MHz	QPSK	25 RB / 0 RB Offset
		19975 to 20375	20275	5M⊔~	0.0001	1 RB / 24 RB Offset
			20375	5MHz	QPSK	25 RB / 0 RB Offset
			20000	101/14	0.00017	1 RB / 0 RB Offset
		00000 / 00055	20000	10MHz	QPSK	50 RB / 0 RB Offset
		20000 to 20350	20250	40141-		1 RB / 49 RB Offset
			20350	10MHz	QPSK	50 RB / 0 RB Offset

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						1 RB / 0 RB Offset
			20025	15MHz	QPSK	75 RB / 0 RB Offset
		20025 to 20325		. =		1 RB / 74 RB Offset
_			20325	15MHz	QPSK	75 RB / 0 RB Offset
В	BAND EDGE		20050	201411-	QPSK	1 RB / 0 RB Offset
			20050	20MHz		100 RB / 0 RB Offset
		20050 to 20300	00000	001411	ODO!	1 RB / 99 RB Offset
			20300	20MHz	QPSK	100 RB / 0 RB Offset
		19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK	1 RB / 0 RB Offset
	CONDCUDETED EMISSION	19965 to 20385	19965, 20175, 20385	3MHz	QPSK	1 RB / 0 RB Offset
В		19975 to 20375	19975, 20175, 20375	5MHz	QPSK	1 RB / 0 RB Offset
Б		20000 to 20350	20000, 20175, 20350	10MHz	QPSK	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK	1 RB / 0 RB Offset
		19957 to 20393	20175	1.4MHz	QPSK	1 RB / 0 RB Offset
		19965 to 20385	20175	3MHz	QPSK	1 RB / 0 RB Offset
Α	RADIATED	19975 to 20375	20175	5MHz	QPSK	1 RB / 0 RB Offset
^	EMISSION	20000 to 20350	20175	10MHz	QPSK	1 RB / 0 RB Offset
		20025 to 20325	20175	15MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

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LTE BAND 12

EUT CONFIGURE MODE		AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
		23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
В	ERP	23025 to 23165	23025, 23095 ,23165 3MHz		QPSK, 16QAM	1 RB / 0 RB Offset
	214	23035 to 23155	23035, 23095 ,23155	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23017 to 23173	23017, 23173	1.4MHz	QPSK	1 RB / 0 RB Offset
В	FREQUENCY	23025 to 23165	23025, 23165	3MHz	QPSK	1 RB / 0 RB Offset
	STABILITY	23035 to 23155	23035, 23155	5MHz	QPSK	1 RB / 0 RB Offset
		23060 to 23130	23060, 23130	10MHz	QPSK	1 RB / 0 RB Offset
		23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK, 16QAM	6 RB / 0 RB Offset
В	OCCUPIED	23025 to 23165	23025, 23095 ,23165	3MHz	QPSK, 16QAM	15 RB / 0 RB Offset
	BANDWIDTH	23035 to 23155	23035, 23095 ,23155	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
В	PEAK TO	23025 to 23165	23025, 23095 ,23165	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	AVERAGE RATIO	23035 to 23155	23035, 23095 ,23155	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
			23017	1.4MHz	ODOK	1 RB / 0 RB Offset
		00047 +- 00470	23017	1.4101112	QPSK	6 RB / 0 RB Offset
		23017 to 23173 23025 to 23165	22172	4 41411-	ODOK	1 RB / 5 RB Offset
			23173	1.4MHz	QPSK	6 RB / 0 RB Offset
			23025	3MHz	ODCK	1 RB / 0 RB Offset
			23023	SIVII IZ	QPSK	15 RB / 0 RB Offset
			23165	3MHz	ODOK	1 RB / 14 RB Offset
	DAND EDGE		23103	SIVII IZ	QPSK	15 RB / 0 RB Offset
В	BAND EDGE		23035	5MHz	ODOK	1 RB / 0 RB Offset
		00005 1- 00455	23033	JIVII IZ	QPSK	25 RB / 0 RB Offset
		23035 to 23155	00455	CM I-	ODOK	1 RB / 24 RB Offset
			23155	5MHz	QPSK	25 RB / 0 RB Offset
			22060	10MHz	ODOK	1 RB / 0 RB Offset
		00000 / 00400	23060	TUIVITZ	QPSK	50 RB / 0 RB Offset
		23060 to 23130	00400	401411	0001	1 RB / 49 RB Offset
			23130	10MHz	QPSK	50 RB / 0 RB Offset
		23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK	1 RB / 0 RB Offset
В	CONDCUDETED	23025 to 23165	23025, 23095 ,23165	3MHz	QPSK	1 RB / 0 RB Offset
D	EMISSION	23035 to 23155	23035, 23095 ,23155	5MHz	QPSK	1 RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK	1 RB / 0 RB Offset
		23017 to 23173	23095	1.4MHz	QPSK	1 RB / 0 RB Offset
Λ.	RADIATED	23025 to 23165	23095	3MHz	QPSK	1 RB / 0 RB Offset
A	EMISSION	23035 to 23155	23035, 23095 ,23155	5MHz	QPSK	1 RB / 0 RB Offset
		23060 to 23130	23095	10MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

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LTE BAND 17

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE	
В	ERP	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset	
	LIG	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset	
В	FREQUENCY	23755 to 23825	23790	5MHz	QPSK	1 RB / 0 RB Offset	
Б	STABILITY	23780 to 23800	23790	10MHz	QPSK	1 RB / 0 RB Offset	
В	OCCUPIED	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset	
В	BANDWIDTH	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset	
В	PEAK TO AVERAGE RATIO	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset	
Ь		23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset	
			23755	5MHz	QPSK	1 RB / 0 RB Offset	
		23755 to 23825				1 RB / 24 RB Offset	
	5445 5505		23825	5MHz	QPSK	25 RB / 0 RB Offset	
В	BAND EDGE	BAND EDGE		00700	401411	OPOK	1 RB / 0 RB Offset
		00700 1- 00000	23780	10MHz	QPSK	50 RB / 0 RB Offset	
		23780 to 23800	23800	10MHz	ODCK	1 RB / 49 RB Offset	
			23000	TOWNIZ	QPSK	50 RB / 0 RB Offset	
В	CONDCUDETED	23755 to 23825	23755, 23790, 23825	5MHz	QPSK	1 RB / 0 RB Offset	
	EMISSION	23780 to 23800	23780, 23790, 23800	10MHz	QPSK	1 RB / 0 RB Offset	
Α	RADIATED	23755 to 23825	23790	5MHz	QPSK	1 RB / 0 RB Offset	
^	EMISSION	23780 to 23800	23780, 23790, 23800	10MHz	QPSK	1 RB / 0 RB Offset	

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
EIRP(ERP)	24deg. C, 60%RH	7.2Vdc from Battery	Vincent Chen
FREQUENCY STABILITY	24deg. C, 61%RH	DC 22V/24V/26V	Wenliang Wu
OCCUPIED BANDWIDTH	24deg. C, 61%RH	7.2Vdc from Battery	Wenliang Wu
PEAK TO AVERAGE RATIO	24deg. C, 61%RH	7.2Vdc from Battery	Wenliang Wu
BAND EDGE	24deg. C, 61%RH	7.2Vdc from Battery	Wenliang Wu
CONDCUDETED EMISSION	24deg. C, 61%RH	7.2Vdc from Battery	Wenliang Wu
RADIATED EMISSION	24deg. C, 60%RH	DC 24V from adaptor	Vincent Chen

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2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2 FCC 47 CFR Part 27 KDB 971168 D01 Power Meas License Digital Systems v03r01 ANSI/TIA/EIA-603-D ANSI/TIA/EIA-603-E

NOTE: All test items have been performed and recorded as per the above standards.

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3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.

Portable stations (hand-held devices) operating in the 699-716 MHz bands are limited to 3 watts ERP.

3.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

- a. The EUT was set up for the maximum power with LTE link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range). RBW and VBW is 10MHz for LTE.
- b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- d. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn
- e. E.R.P = E.I.R.P- 2.15 dB

CONDUCTED POWER MEASUREMENT:

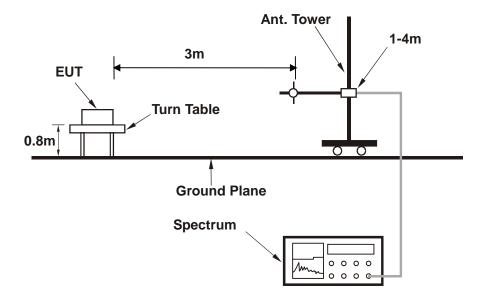
- a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

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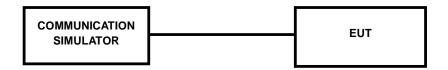
3.1.3 TEST SETUP

EIRP / ERP MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

CONDUCTED POWER MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

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3.1.4 TEST RESULTS

AVERAGE CONDUCTED OUTPUT POWER (dBm)

The test results was recorded in Report No.:RF160714W002-3.

EIRP

LTE BAND 4

CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
19957	1710.7	-17.93	41.29	23.36	216.97	Н	1
20175	1732.5	-18.16	41.36	23.20	208.93	Н	1
20393	1754.3	-19.10	42.74	23.64	231.10	Н	1
19957	1710.7	-22.08	44.25	22.17	164.63	V	1
20175	1732.5	-21.42	44.20	22.78	189.67	V	1
20393	1754.3	-22.36	44.09	21.73	148.76	V	1

CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
19957	1710.7	-18.80	41.29	22.49	177.58	Н	1
20175	1732.5	-19.09	41.36	22.27	168.66	Н	1
20393	1754.3	-20.06	42.74	22.68	185.27	Н	1
19957	1710.7	-22.95	44.25	21.30	134.74	V	1
20175	1732.5	-22.35	44.20	21.85	153.11	V	1
20393	1754.3	-23.32	44.09	20.77	119.26	V	1

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LTE BAND 4

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
19965	1711.5	-17.91	41.27	23.36	216.62	Н	1
20175	1732.5	-18.22	41.36	23.14	206.06	Н	1
20385	1753.5	-19.05	42.76	23.71	234.80	Н	1
19965	1711.5	-22.06	44.26	22.20	166.04	V	1
20175	1732.5	-21.48	44.20	22.72	187.07	V	1
20385	1753.5	-22.31	44.23	21.92	155.67	V	1

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
19965	1711.5	-18.98	41.27	22.29	169.32	Н	1
20175	1732.5	-19.11	41.36	22.25	167.88	Н	1
20385	1753.5	-20.04	42.76	22.72	186.94	Н	1
19965	1711.5	-23.13	44.26	21.13	129.78	V	1
20175	1732.5	-22.37	44.20	21.83	152.41	V	1
20385	1753.5	-23.30	44.23	20.93	123.94	V	1

LTE BAND 4

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
19975	1712.5	-17.97	41.39	23.42	219.74	Н	1
20175	1732.5	-18.17	41.36	23.19	208.45	Н	1
20375	1752.5	-19.00	42.63	23.63	230.62	Н	1
19975	1712.5	-22.12	44.17	22.05	160.18	V	1
20175	1732.5	-21.43	44.20	22.77	189.23	V	1
20375	1752.5	-22.26	44.35	22.09	161.62	V	1

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CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
19975	1712.5	-18.80	41.39	22.59	181.51	Н	1
20175	1732.5	-19.19	41.36	22.17	164.82	Н	1
20375	1752.5	-20.10	42.63	22.53	179.02	Н	1
19975	1712.5	-22.95	44.17	21.22	132.31	V	1
20175	1732.5	-22.45	44.20	21.75	149.62	V	1
20375	1752.5	-23.36	44.35	20.99	125.46	V	1

LTE BAND 4

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
20000	1715.0	-17.78	41.49	23.71	234.75	Н	1
20175	1732.5	-18.11	41.36	23.25	211.35	Н	1
20350	1750.0	-18.87	42.28	23.41	219.43	Н	1
20000	1715.0	-21.93	44.06	22.13	163.42	V	1
20175	1732.5	-21.37	44.20	22.83	191.87	V	1
20350	1750.0	-22.13	44.43	22.30	169.82	V	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
20000	1715.0	-18.93	41.49	22.56	180.14	Н	1
20175	1732.5	-19.21	41.36	22.15	164.06	Н	1
20350	1750.0	-20.03	42.28	22.25	168.00	Н	1
20000	1715.0	-23.08	44.06	20.98	125.40	V	1
20175	1732.5	-22.47	44.20	21.73	148.94	V	1
20350	1750.0	-23.29	44.43	21.14	130.02	V	1

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LTE BAND 4

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
20025	1717.5	-17.79	41.34	23.55	226.36	Н	1
20175	1732.5	-18.18	41.36	23.18	207.97	Н	1
20325	1747.5	-18.94	42.09	23.15	206.35	Н	1
20025	1717.5	-21.94	44.04	22.10	162.33	V	1
20175	1732.5	-21.44	44.20	22.76	188.80	V	1
20325	1747.5	-22.20	44.22	22.02	159.04	V	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
20025	1717.5	-18.65	41.34	22.69	185.69	Н	1
20175	1732.5	-19.05	41.36	22.31	170.22	Н	1
20325	1747.5	-19.79	42.09	22.30	169.67	Н	1
20025	1717.5	-22.80	44.04	21.24	133.17	V	1
20175	1732.5	-22.31	44.20	21.89	154.53	V	1
20325	1747.5	-23.05	44.22	21.17	130.77	V	1

LTE BAND 4

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
20050	1720.0	-18.37	41.28	22.91	195.48	Н	1
20175	1732.5	-18.63	41.36	22.73	187.54	Н	1
20300	1745.0	-19.52	41.96	22.44	175.27	Н	1
20050	1720.0	-22.52	44.14	21.62	145.04	V	1
20175	1732.5	-21.89	44.20	22.31	170.06	V	1
20300	1745.0	-22.78	43.88	21.10	128.88	V	1

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CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
20050	1720.0	-19.30	41.28	21.98	157.80	Н	1
20175	1732.5	-19.70	41.36	21.66	146.59	Н	1
20300	1745.0	-20.35	41.96	21.61	144.78	Н	1
20050	1720.0	-23.45	44.14	20.69	117.08	V	1
20175	1732.5	-22.96	44.20	21.24	132.92	V	1
20300	1745.0	-23.61	43.88	20.27	106.46	V	1

REMARKS: 1. EIRP Output Power (dBm) = SPA LVL (dBm) + Correction Factor (dB).

2. Correction factor (dB) = Free Space Loss + Antenna Factor + Cable Loss

LTE BAND 12

CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23017	699.7	-9.16	32.77	21.46	139.96	Н	3
23095	707.5	-10.02	33.23	21.06	127.64	Н	3
23173	715.3	-8.83	33.14	22.16	164.36	Н	3
23017	699.7	-17.05	32.42	13.22	20.97	V	3
23095	707.5	-17.45	32.60	13.00	19.95	V	3
23173	715.3	-17.53	32.19	12.51	17.81	V	3

CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23017	699.7	-9.99	32.77	20.63	115.61	Н	3
23095	707.5	-11.04	33.23	20.04	100.93	Н	3
23173	715.3	-9.93	33.14	21.06	127.59	Н	3
23017	699.7	-17.88	32.42	12.39	17.32	V	3
23095	707.5	-18.47	32.60	11.98	15.78	V	3
23173	715.3	-18.63	32.19	11.41	13.82	V	3

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LTE BAND 12

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23025	700.5	-8.97	32.63	21.51	141.61	Н	3
23095	707.5	-9.96	33.23	21.12	129.42	Н	3
23165	714.5	-8.70	33.21	22.36	171.99	Н	3
23025	700.5	-16.86	32.33	13.32	21.46	V	3
23095	707.5	-17.39	32.60	13.06	20.23	V	3
23165	714.5	-17.40	32.30	12.75	18.84	V	3

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23025	700.5	-10.12	32.63	20.36	108.67	Н	3
23095	707.5	-11.06	33.23	20.02	100.46	Н	3
23165	714.5	-9.86	33.21	21.20	131.67	Н	3
23025	700.5	-18.01	32.33	12.17	16.47	V	3
23095	707.5	-18.49	32.60	11.96	15.70	V	3
23165	714.5	-18.56	32.30	11.59	14.42	V	3

LTE BAND 12

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23035	701.5	-8.98	32.53	21.40	137.88	Н	3
23095	707.5	-10.03	33.23	21.05	127.29	Н	3
23155	713.5	-8.77	33.29	22.37	172.46	Н	3
23035	701.5	-16.87	32.25	13.23	21.06	V	3
23095	707.5	-17.46	32.60	12.99	19.91	V	3
23155	713.5	-17.47	32.39	12.77	18.91	V	3

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CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23035	701.5	-9.84	32.53	20.54	113.11	Н	3
23095	707.5	-10.90	33.23	20.18	104.18	Н	3
23155	713.5	-9.62	33.29	21.52	141.81	Н	3
23035	701.5	-17.73	32.25	12.37	17.27	V	3
23095	707.5	-18.33	32.60	12.12	16.29	V	3
23155	713.5	-18.32	32.39	11.92	15.55	V	3

LTE BAND 12

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23060	704.0	-9.56	32.68	20.97	125.11	Н	3
23095	707.5	-10.48	33.23	20.60	114.82	Н	3
23130	711.0	-9.35	33.39	21.89	154.42	Н	3
23060	704.0	-17.45	32.37	12.77	18.91	V	3
23095	707.5	-17.91	32.60	12.54	17.95	V	3
23130	711.0	-18.05	32.56	12.36	17.20	V	3

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23060	704.0	-10.49	32.68	20.04	101.00	Н	3
23095	707.5	-11.55	33.23	19.53	89.74	Н	3
23130	711.0	-10.18	33.39	21.06	127.56	н	3
23060	704.0	-18.38	32.37	11.84	15.27	V	3
23095	707.5	-18.98	32.60	11.47	14.03	V	3
23130	711.0	-18.88	32.56	11.53	14.21	V	3

REMARKS: 1. ERP Output Power (dBm) = SPA LVL (dBm) + Correction Factor (dB) -2.15(dB).

2. Correction factor (dB) = Free Space Loss + Antenna Factor + Cable Loss

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LTE BAND 17

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23755	706.5	-9.17	32.64	21.31	135.30	Н	3
23790	710.0	-8.81	32.92	21.96	157.04	Н	3
23825	713.5	-9.54	32.83	21.14	129.90	Н	3
23755	706.5	-16.98	32.14	13.01	19.98	V	3
23790	710.0	-18.11	32.18	11.92	15.57	V	3
23825	713.5	-18.14	31.95	11.66	14.67	V	3

NOTE: ERP (dBm) = LVL (dBm) + Correction Factor (dB)-2.15dB.

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23755	706.5	-10.03	32.64	20.45	110.99	Н	3
23790	710.0	-9.68	32.92	21.09	128.53	Н	3
23825	713.5	-10.39	32.83	20.29	106.81	Н	3
23755	706.5	-17.84	32.14	12.15	16.39	V	3
23790	710.0	-18.98	32.18	11.05	12.75	V	3
23825	713.5	-18.99	31.95	10.81	12.06	V	3

NOTE: ERP (dBm) = LVL (dBm) + Correction Factor (dB)-2.15dB.

LTE BAND 17

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23780	709.0	-9.75	32.90	20.99	125.69	Н	3
23790	710.0	-9.26	32.92	21.51	141.51	Н	3
23800	711.0	-10.12	32.92	20.65	116.17	Н	3
23780	709.0	-17.56	32.20	12.49	17.72	V	3
23790	710.0	-18.56	32.18	11.48	14.05	V	3
23800	711.0	-18.72	32.13	11.26	13.37	V	3

NOTE: ERP (dBm) = LVL (dBm) + Correction Factor (dB)-2.15dB.

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CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)	LIMIT (W)
23780	709.0	-10.68	32.90	20.06	101.46	Н	3
23790	710.0	-10.33	32.92	20.44	110.61	Н	3
23800	711.0	-10.95	32.92	19.82	95.96	Н	3
23780	709.0	-18.49	32.20	11.56	14.31	V	3
23790	710.0	-19.63	32.18	10.41	10.98	V	3
23800	711.0	-19.55	32.13	10.43	11.04	V	3

NOTE: ERP (dBm) = LVL (dBm) + Correction Factor (dB)-2.15dB.

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3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

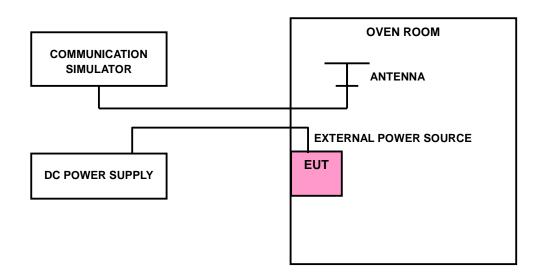
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.2.2 TEST PROCEDURE

- a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5\,^{\circ}$ C during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

d. **NOTE:** The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP



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3.2.4 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-3.

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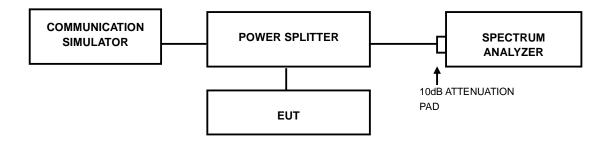


3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

- a. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- b. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.4 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-3.

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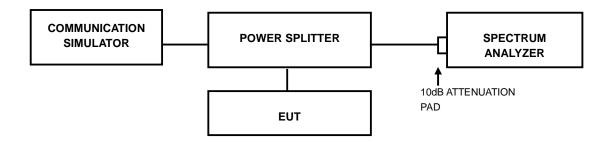


3.4 PEAK TO AVERAGE RATIO

3.4.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

- 1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- 2. Set the number of counts to a value that stabilizes the measured CCDF curve;
- 3. Record the maximum PAPR level associated with a probability of 0.1%.

3.4.4 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-3.



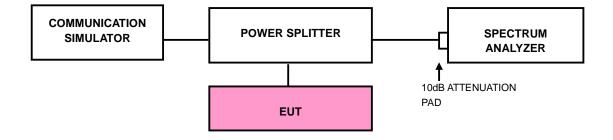
3.5 BAND EDGE MEASUREMENT

3.5.1 LIMITS OF BAND EDGE MEASUREMENT

The power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater.

However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

3.5.2 TEST SETUP





3.5.3 TEST PROCEDURES

- a. The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.).
- b. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- c. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 20kHz and VBW of the spectrum is 100 kHz. (LTE bandwidth 1.4MHz)
- d. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 30kHz and VBW of the spectrum is 100kHz. (LTE bandwidth 3MHz)
- e. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 50kHz and VBW of the spectrum is 200kHz. (LTE bandwidth 5MHz)
- f. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz. (LTE bandwidth 10MHz)
- g. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 200kHz and VBW of the spectrum is 1MHz. (LTE bandwidth 15MHz)
- h. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 200kHz and VBW of the spectrum is 1MHz. (LTE bandwidth 20MHz)
- i. Record the max trace plot into the test report.

3.5.4 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-3.



3.6 CONDUCTED SPURIOUS EMISSIONS

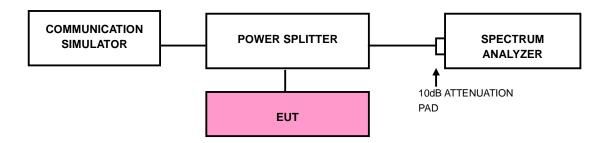
3.6.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission equal to -13dBm

3.6.2 TEST PROCEDURE

- a. The EUT makes a phone call to the communication simulator. All measurements were done at middle operational frequency range.
- b. Measuring frequency range is from 30 MHz to 19.1GHz for LTE Band 4 and 30 MHz to 9GHz for LTE Band 12 & LTE Band 17. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz are used for conducted emission measurement.

3.6.3 TEST SETUP



3.6.4 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-3.

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3.7 RADIATED EMISSION MEASUREMENT

3.7.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission equal to -13dBm

3.7.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- c. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power 2.15dBi.

NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

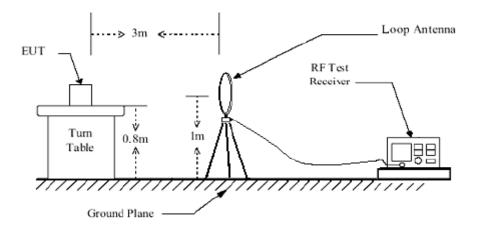
3.7.3 DEVIATION FROM TEST STANDARD

No deviation

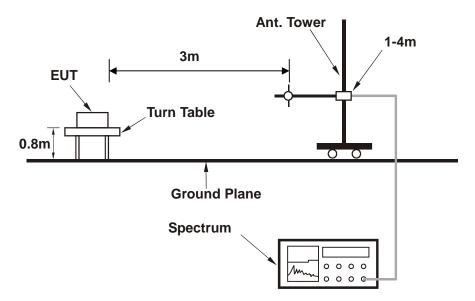


3.7.4 TEST SETUP

<Below 30MHz>



<Above 30MHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

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3.7.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

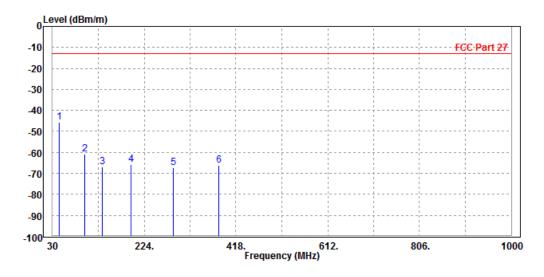
9 KHz – 30 MHz data: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

30 MHz – 1GHz data:

LTE Band 12:

MODE	TX channel 23095 FREQUENCY RAN		Below 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter			
TESTED BY	Vincent Chen					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		_
1 PP	43.580	-45.54	-54.48	-13.00	-32.54	8.94	Peak	Horizontal
2	97.900	-60.80	-50.09	-13.00	-47.80	-10.71	Peak	Horizontal
3	134.760	-67.09	-49.40	-13.00	-54.09	-17.69	Peak	Horizontal
4	196.840	-65.85	-48.53	-13.00	-52.85	-17.32	Peak	Horizontal
5	286.080	-67.36	-52.86	-13.00	-54.36	-14.50	Peak	Horizontal
6	381.140	-66.18	-55.09	-13.00	-53.18	-11.09	Peak	Horizontal

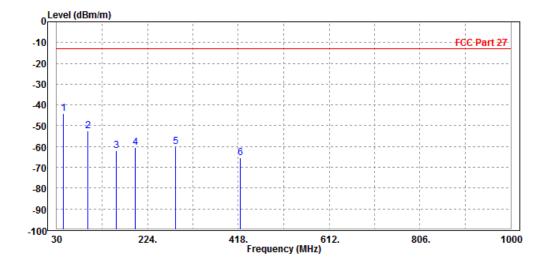


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MODE	TX channel 23095 FREQUENCY RANGE		Below 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter				
TESTED BY	Vincent Chen	/incent Chen					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
_	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 2					-31.18 -39.37			Vertical Vertical
3	157.070	-61.86	-46.38	-13.00	-48.86	-15.48	Peak	Vertical
4	197.810	-60.64	-49.73	-13.00	-47.64	-10.91	Peak	Vertical
5	283.170	-60.12	-48.75	-13.00	-47.12	-11.37	Peak	Vertical
6	422.850	-65.43	-55.34	-13.00	-52.43	-10.09	Peak	Vertical



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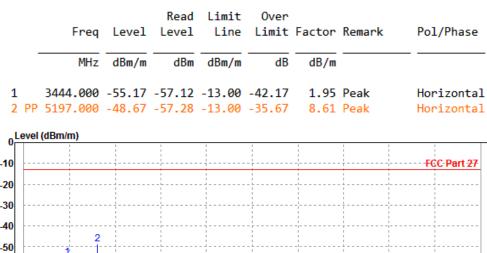
ABOVE 1GHz

Note: For higher frequency, the emission is too low to be detected.

LTE BAND 4

CHANNEL BANDWIDTH: 1.4MHz/QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz						
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter						
TESTED BY	Vincent Chen	Vincent Chen							
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									

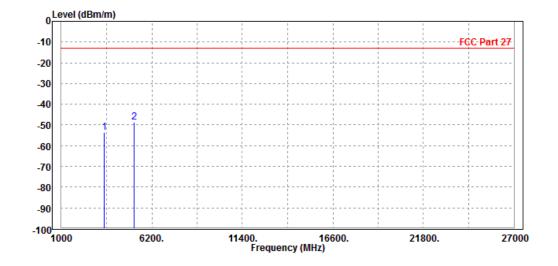


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MODE	TX channel 20175 FREQUENCY RANGE		Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter					
TESTED BY	Vincent Chen	/incent Chen						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								

	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 2 P	3444.000 P 5197.000							Vertical Vertical

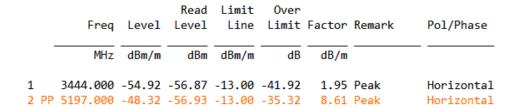


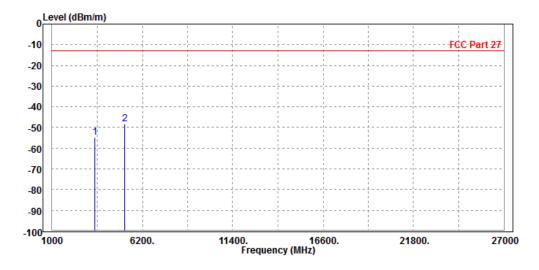
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CHANNEL BANDWIDTH: 3MHz/QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter					
TESTED BY	Vincent Chen	incent Chen						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

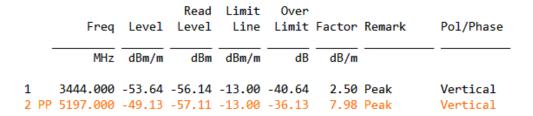


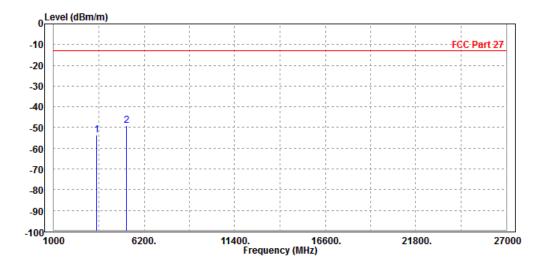


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MODE	TX channel 20175 FREQUENCY RANGE		Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter					
TESTED BY	Vincent Chen	/incent Chen						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								



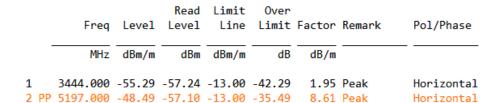


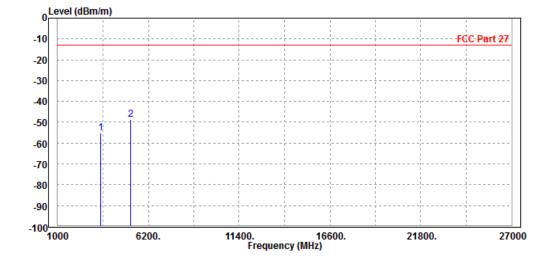
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CHANNEL BANDWIDTH: 5MHz/QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz						
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter						
TESTED BY	Vincent Chen	Vincent Chen							
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									



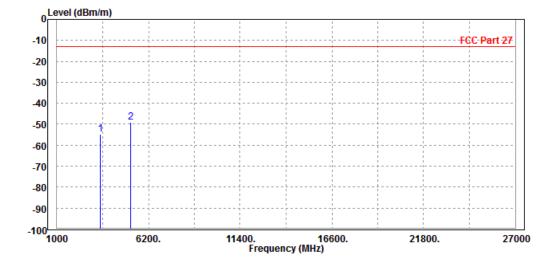


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MODE	TX channel 20175 FREQUENCY RANGE		Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter					
TESTED BY	Vincent Chen	/incent Chen						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								

		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	——dB	dB/m		
1 2		3444.000 5197.000							Vertical Vertical



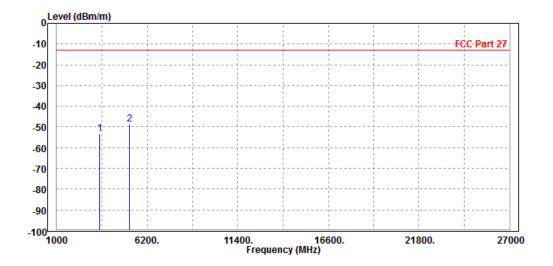
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CHANNEL BANDWIDTH: 10MHz/QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter			
TESTED BY	Vincent Chen	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

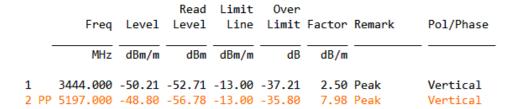
	Freq	Level		Limit Line			Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3444.000	-53.15	-55.10	-13.00	-40.15	1.95	Peak	Horizontal
2 F	P 5197.000	-48.50	-57.11	-13.00	-35.50	8.61	Peak	Horizontal

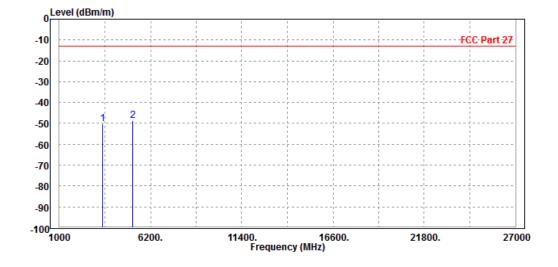


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MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter			
TESTED BY	Vincent Chen	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						



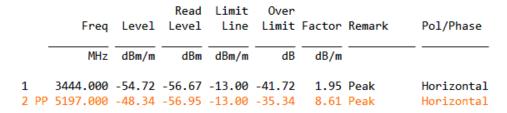


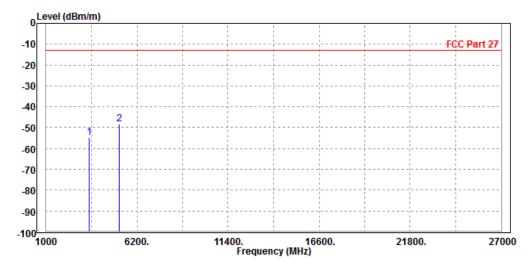
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CHANNEL BANDWIDTH: 15MHz/QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter			
TESTED BY	Vincent Chen	/incent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						



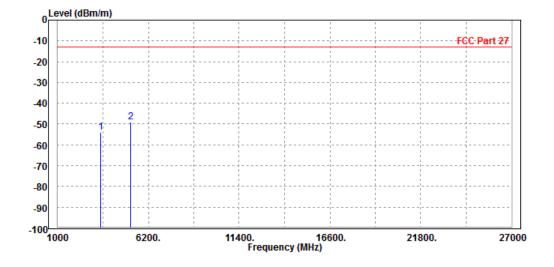


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MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter				
TESTED BY	Vincent Chen	Vincent Chen					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3444.000	-53.90	-56.40	-13.00	-40.90	2.50	Peak	Vertical
2 PP	5197.000	-49.05	-57.03	-13.00	-36.05	7.98	Peak	Vertical



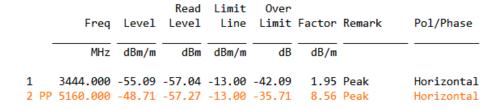
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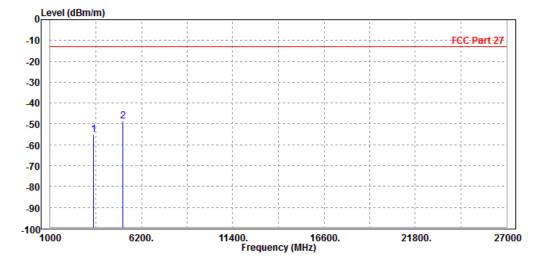


CHANNEL BANDWIDTH: 20MHz/QPSK

CH20050

MODE	TX channel 20050	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter				
TESTED BY	Vincent Chen	/incent Chen					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							



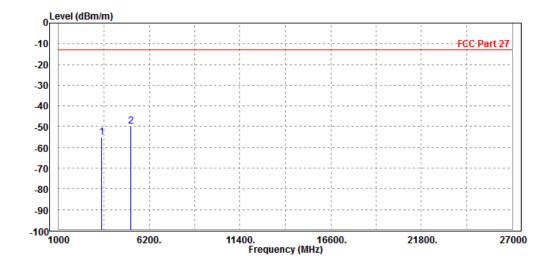


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MODE	TX channel 20050	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter			
TESTED BY	Vincent Chen	/incent Chen				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	_	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 2		3444.000 5160.000							Vertical Vertical

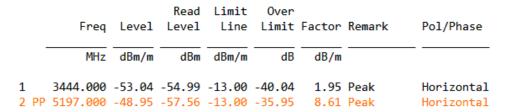


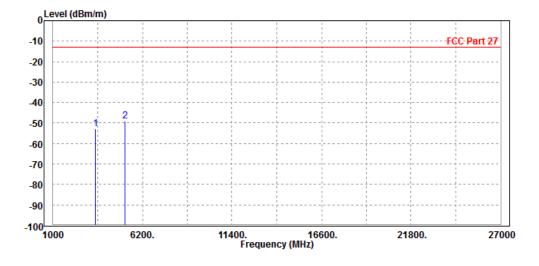
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CH20175

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter			
TESTED BY	Vincent Chen	/incent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						



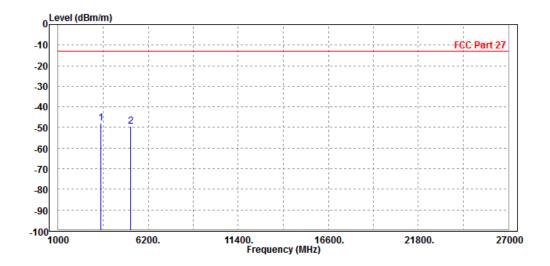


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MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter			
TESTED BY	Vincent Chen	/incent Chen				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

				Limit				
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
								
	MHZ	dBm/m	dBm	dBm/m	dB	dB/m		
		47.05		43.00	34.05	0.50		
1	PP 3444.000	-47.95	-50.45	-13.00	-34.95	2.50	Peak	Vertical
2	5197.000	-49.30	-57.28	-13.00	-36.30	7.98	Peak	Vertical

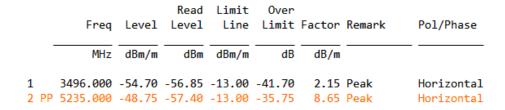


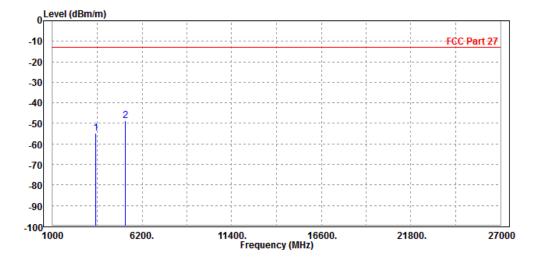
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CH20030

MODE	TX channel 20030	FREQUENCY RANGE	Above 1000MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M				

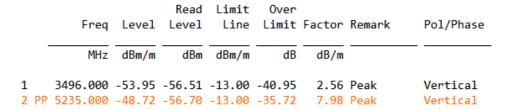


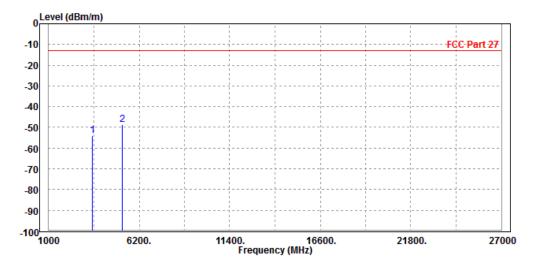


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 20030	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M					





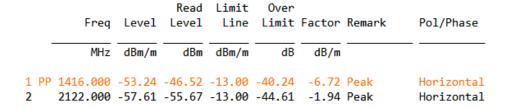
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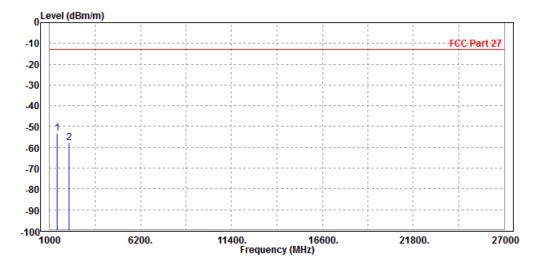


LTE BAND 12

CHANNEL BANDWIDTH: 1.4MHz / QPSK

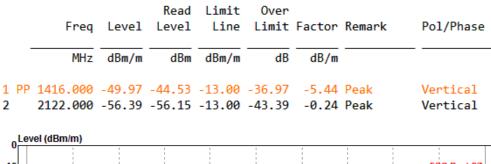
MODE	TX channel 23095	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M				

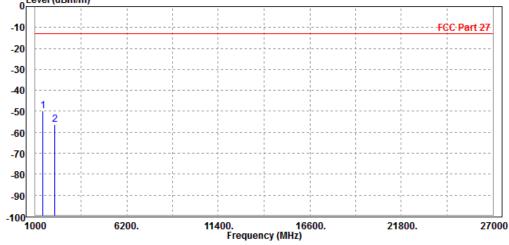






MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M				

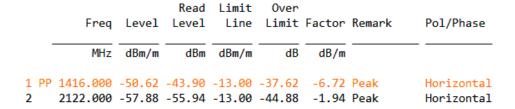


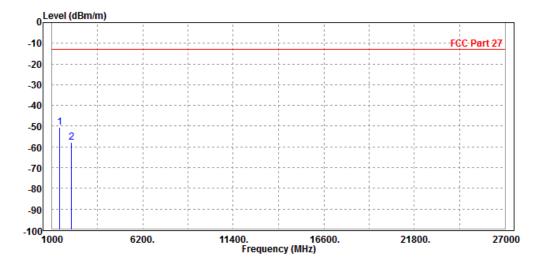




CHANNEL BANDWIDTH: 3MHz/QPSK

MODE	TX channel 23095	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

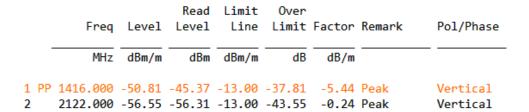


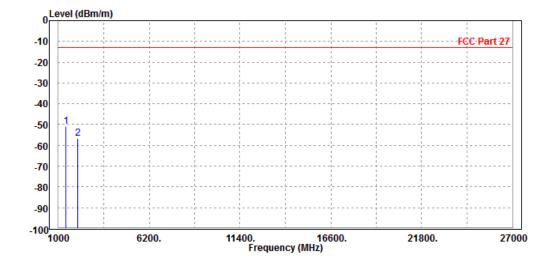


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MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M					





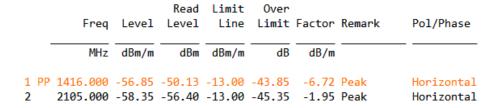
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

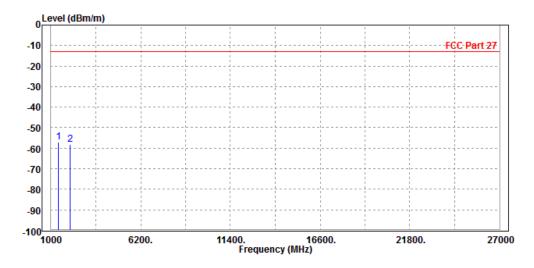


CHANNEL BANDWIDTH: 5MHz/QPSK

CH23035

MODE	TX channel 23035	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	TED BY Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					



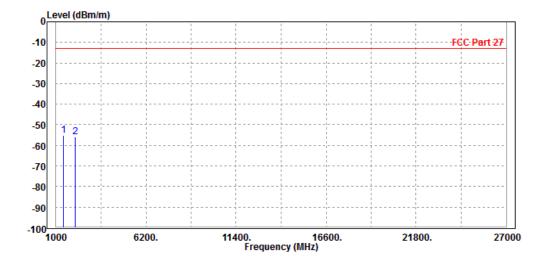


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 23035	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M				

Fre	Level		Limit Line		Factor	Remark	Pol/Phase
MH:	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 1416.000 2 2105.000							Vertical Vertical

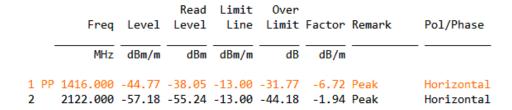


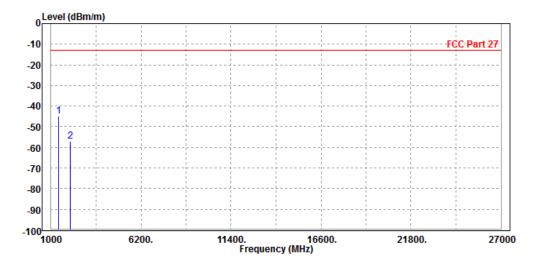
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



CH23095

MODE	TX channel 23095	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

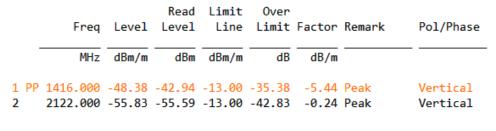


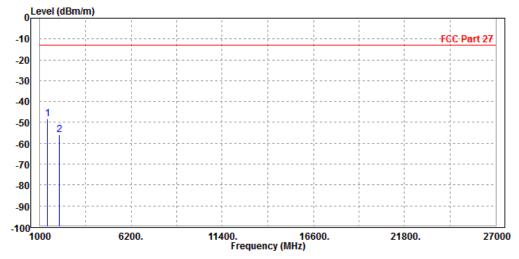


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 23095	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M				



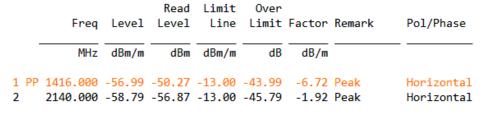


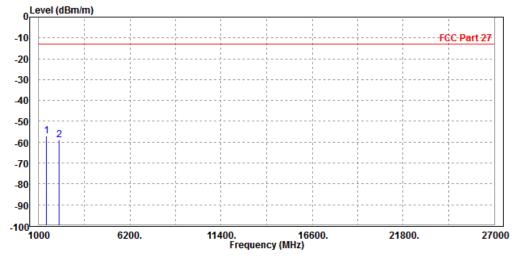
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



CH23095

MODE	TX channel 23095	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M				

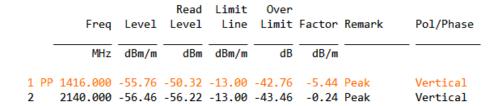


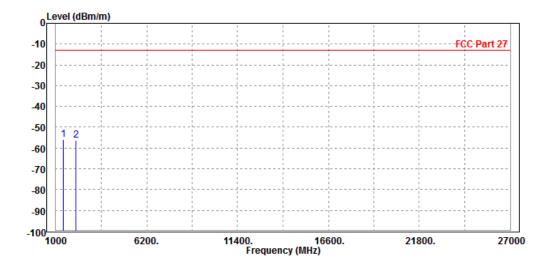


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



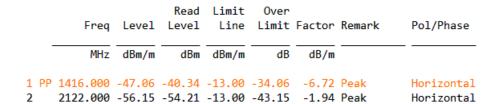


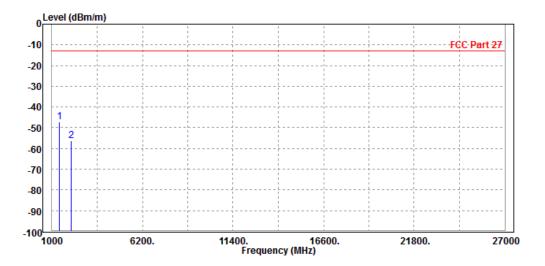
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



CHANNEL BANDWIDTH: 10MHz/QPSK

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

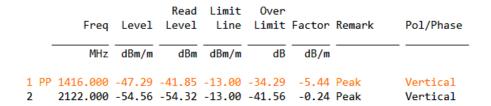


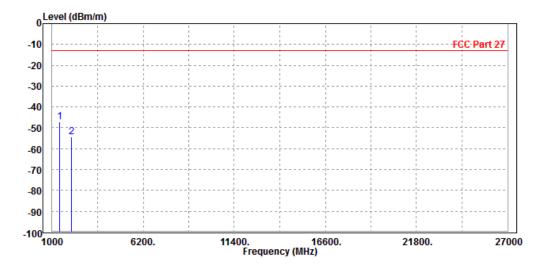


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MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





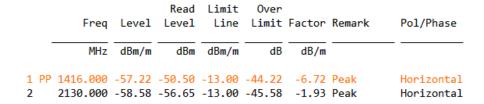
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

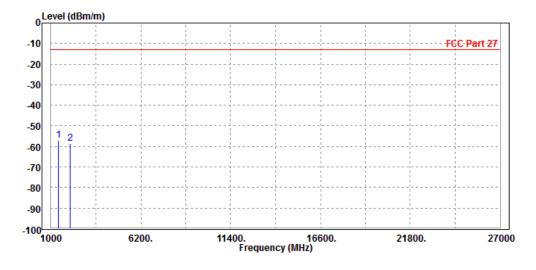


LTE Band 17

CHANNEL BANDWIDTH: 5MHz/QPSK

MODE	TX channel 23790	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
ESTED BY Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

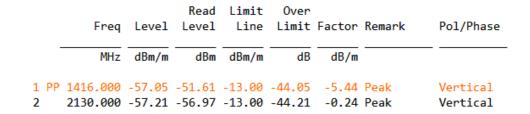


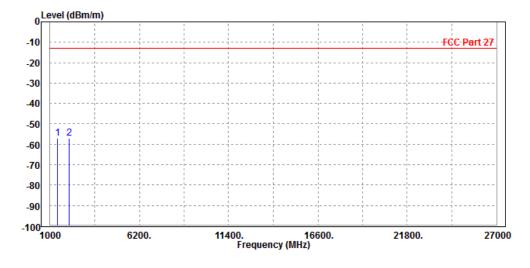


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 23790	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	ED BY Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





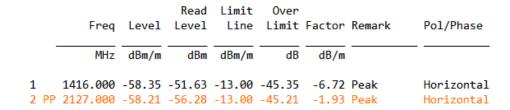
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

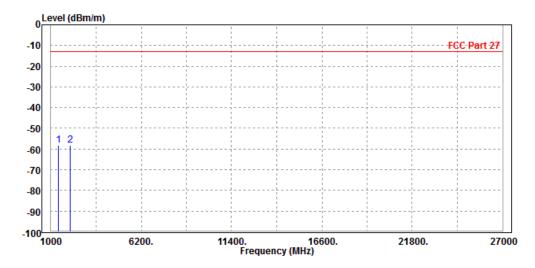


CHANNEL BANDWIDTH: 10MHz/QPSK

CH23780

MODE	TX channel 23780	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

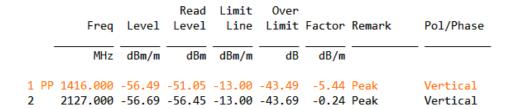


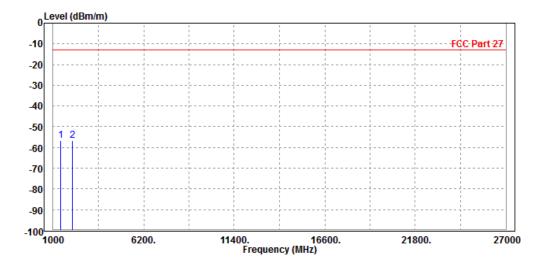


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 23780	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



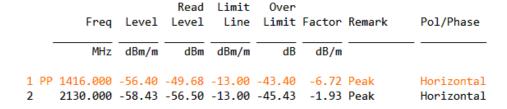


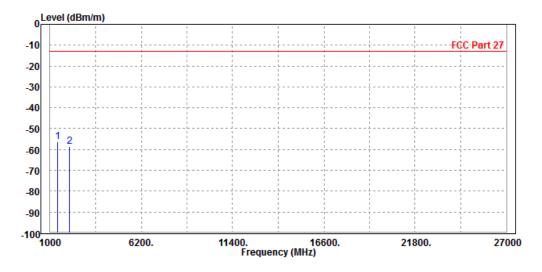
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



CH23790

MODE	TX channel 23790	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



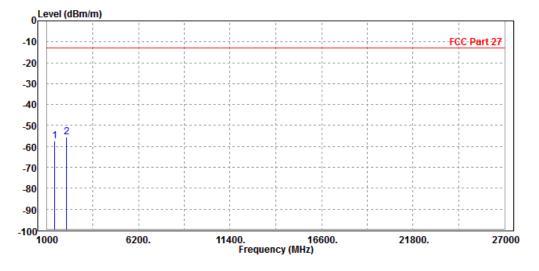


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 23790	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

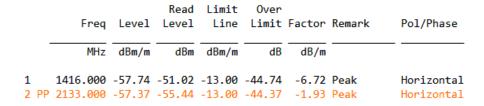


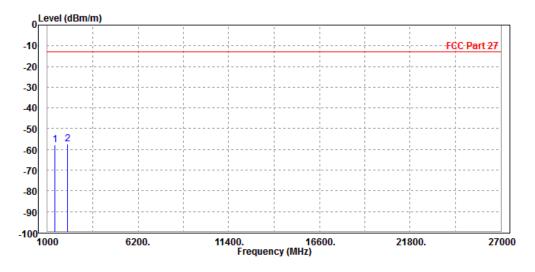




CH23800

MODE	TX channel 23800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

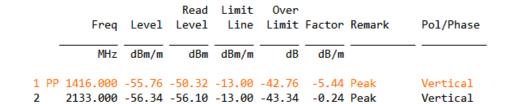


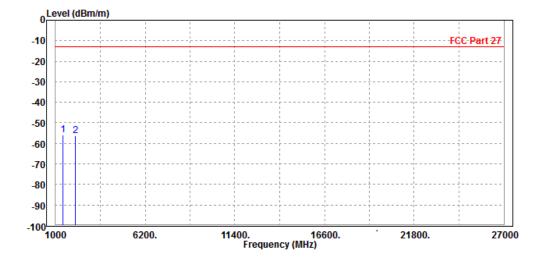


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 23800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





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4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Shenzhen EMC/RF Lab:

Tel: +86-755-88696566 Fax: +86-755-88696577

Email: customerservice.dg@cn.bureauveritas.com

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.



5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

---END---