



FCC TEST REPORT (PART 24)

Applicant:	PAX Technology Limited				
Address:	Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour Road, Wanchai, Hong Kong				
	-				
Manufacturer or Supplier	PAX Computer Technology (Shenz	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	V5PE800			
Date of tests	May 26, 2018 ~ Jul. 06, 2018				
The tests have been	en carried out according to the requi	rements of the following standard:			
		-			
CONCLUSION: Th	ne submitted sample was found to C	OMPLY with the test requirement			
	Prepared by Roger Li Engineer / Mobile Department Approved by Sam Tung Manager / Mobile Department				
Rogev Date: Jul. 10, 2018 Date: Jul. 10, 2018					
This pend is assumed by and improposes by unfarence CPS Conditions of Society as posted at the date of issuance of this propost					

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	
RF180522W005-5	Original release	Jul. 10, 2018

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District, Shenzhen, Guangdong, China

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

	APPLIED STANDARD: FCC Part 24 & Part 2					
STANDARD SECTION	TEST TYPE	RESULT	REMARK			
2.1046 24.232	Equivalent Isotropic Radiated Power	PASS	Meet the requirement of limit.			
2.1055 24.235	Frequency Stability	N/A(see note)	Meet the requirement of limit.			
2.1049 24.238(b)	Occupied Bandwidth	N/A(see note)	Meet the requirement of limit.			
24.232(d)	Peak to average ratio	N/A(see note)	Meet the requirement of limit.			
24.238(b)	Band Edge Measurements	N/A(see note)	Meet the requirement of limit.			
2.1051 24.238	Conducted Spurious Emissions	N/A(see note)	Meet the requirement of limit.			
2.1053 24.238	Radiated Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -24.26dB at 5722.000MHz.			

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 Equivalent Isotropic Radiated 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	
	9KHz ~ 30MHz	2.68dB	
Radiated emissions	30MHz ~ 1GHz	3.26dB	
Nadialed emissions	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.



1.2 TEST 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-526	MY54510322	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				
BRAND NAME	PAX				
MODEL NAME	E800	E800			
POWER SUPPLY	24Vdc (adapter or host equipment) 7.2Vdc (Li-ion, battery)				
MODULATION TYPE	WCDMA: BPSK LTE Band 2: QPSK, 16QAM				
	GSM, GPRS	1850.2MHz ~ 1909.8MHz			
	WCDMA	1852.4MHz ~ 1907.6MHz			
	LTE Band 2 Channel Bandwidth: 1.4MHz	1850.7MHz ~ 1909.3MHz			
	LTE Band 2 Channel Bandwidth: 3MHz	1851.5MHz ~ 1908.5MHz			
FREQUENCY RANGE	LTE Band 2 Channel Bandwidth: 5MHz	1852.5MHz ~ 1907.5MHz			
	LTE Band 2 Channel Bandwidth: 10MHz	1855.0MHz ~ 1905.0MHz			
	LTE Band 2 Channel Bandwidth: 15MHz	1857.5MHz ~ 1902.5MHz			
	LTE Band 2 Channel Bandwidth: 20MHz	1860.0MHz ~ 1900.0MHz			
	WCDMA	383mW			
	LTE Band 2 Channel Bandwidth: 1.4MHz	289mW			
	LTE Band 2 Channel Bandwidth: 3MHz	296mW			
MAX. EIRP POWER	LTE Band 2 Channel Bandwidth: 5MHz	287mW			
	LTE Band 2 Channel Bandwidth: 10MHz	283mW			
	LTE Band 2 Channel Bandwidth: 15MHz	257mW			
	LTE Band 2 Channel Bandwidth: 20MHz	223mW			

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	WCDMA	4M14F9W
	LTE Band 2	QPSK: 1M09G7D
	Channel Bandwidth: 1.4MHz	16QAM: 1M09W7D
	LTE Band 2	QPSK: 2M69G7D
	Channel Bandwidth: 3MHz	16QAM: 2M68W7D
	LTE Band 2	QPSK: 4M48G7D
EMISSION DESIGNATOR	Channel Bandwidth: 5MHz	16QAM: 4M47W7D
	LTE Band 2 Channel Bandwidth: 10MHz	QPSK: 8M93G7D
		16QAM: 8M93W7D
	LTE Band 2 Channel Bandwidth: 15MHz LTE Band 2 Channel Bandwidth: 20MHz	QPSK: 13M4G7D
		16QAM: 13M4W7D
		QPSK: 17M9G7D
		16QAM: 17M8W7D
ANTENNA TYPE	Fixed External antenna with 0.5	dBi gain
HW VERSION	E800-XXXXX-XXXX-XXX	
SW VERSION	V0.0.0.1	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	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

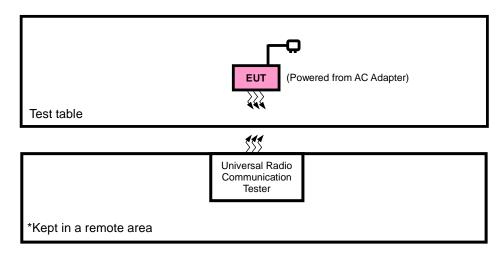
3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

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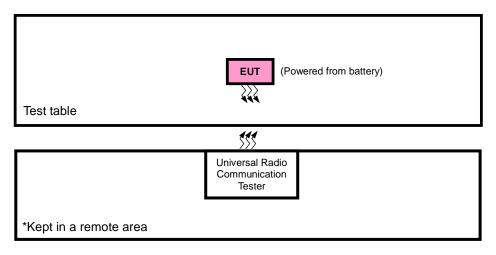
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2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



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



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	D. PRO	DUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC s	source	LONG WEI	PS-6403D	010934269	N/A
2	F	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 TEST ITEM AND TEST CONFIGURATION

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 EIRP and radiated emission was found when positioned on X-plane for GSM/GPRS/WCDMA/ LTE. Following channel(s) was (were) selected for the final test as listed below:

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

WCDMA MODE

EUT CONFIGURE MODE	TEST ITEM	TEST ITEM AVAILABLE CHANNEL		MODE
В	EIRP	9262 to 9538	9262, 9400, 9538	WCDMA
В	FREQUENCY STABILITY	9262 to 9538	9262, 9538	WCDMA
В	OCCUPIED BANDWIDTH	9262 to 9538	9262, 9400, 9538	WCDMA
В	PEAK TO AVERAGE RATIO	9262 to 9538	9262, 9400, 9538	WCDMA
В	BAND EDGE	9262 to 9538	9262, 9538	WCDMA
В	CONDCUDETED EMISSION	9262 to 9538	9262, 9400, 9538	WCDMA
А	RADIATED EMISSION	9262 to 9538	9262, 9400, 9538	WCDMA

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



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EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
		18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
В	EIRP	18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
	LIIKI	18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18607 to 19193	18607, 19193	1.4MHz	QPSK	1 RB / 0 RB Offset
	FREQUENCY STABILITY	18615 to 19185	18615, 19185	3MHz	QPSK	1 RB / 0 RB Offset
В		18625 to 19175	18625, 19175	5MHz	QPSK	1 RB / 0 RB Offset
Ь		18650 to 19150	18650, 19150	10MHz	QPSK	1 RB / 0 RB Offset
		18675 to 19125	18675, 19125	15MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18700, 19100	20MHz	QPSK	1 RB / 0 RB Offset
		18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM	6 RB / 0 RB Offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM	15 RB / 0 RB Offset
В	OCCUPIED	18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM	25 RB / 0 RB Offset
	BANDWIDTH	18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM	50 RB / 0 RB Offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM	75 RB / 0 RB Offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM	100 RB / 0 RB Offset
		18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
В	PEAK TO AVERAGE	18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
	RATIO	18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM	1 RB / 0 RB Offset

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			18607	1.4MHz	QPSK	1 RB / 0 RB Offset
		18607 to 19193	10001	1	QI OIX	6 RB / 0 RB Offset
			19193	1.4MHz	QPSK	1 RB / 5 RB Offset
			19195	1.7111112	QI OIL	6 RB / 0 RB Offset
			18615	3MHz	QPSK	1 RB / 0 RB Offset
		18615 to 19185	10013	JIVII IZ	QFSR	15 RB / 0 RB Offset
		10013 to 19103	19185	3MHz	QPSK	1 RB / 14 RB Offset
			10100	OWN 12	QFSK	15 RB / 0 RB Offset
			19695	5M⊔~	OBSK	1 RB / 0 RB Offset
		10005 to 10175	18625	5MHz	QPSK	25 RB / 0 RB Offset
		18625 to 19175	19175	5MHz	ODOK	1 RB / 24 RB Offset
Б	BAND EDGE		19175	JIVII IZ	QPSK	25 RB / 0 RB Offset
В			40050	400411	QPSK	1 RB / 0 RB Offset
			18650	10MHz		50 RB / 0 RB Offset
		18650 to 19150	10150	10MHz	0.0014	1 RB / 49 RB Offset
			19150		QPSK	50 RB / 0 RB Offset
		18675 to 19125	18675	15MHz		1 RB / 0 RB Offset
					QPSK	75 RB / 0 RB Offset
				15MHz	ODCK	1 RB / 74 RB Offset
			19125		QPSK	75 RB / 0 RB Offset
				221411		1 RB / 0 RB Offset
			18700	20MHz	QPSK	100 RB / 0 RB Offset
		18700 to 19100				1 RB / 99 RB Offset
			19100	20MHz	QPSK	100 RB / 0 RB Offset
		18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK	1 RB / 0 RB Offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB / 0 RB Offset
Б	CONDCUDETED	18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB / 0 RB Offset
В	EMISSION	18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB / 0 RB Offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK	1 RB / 0 RB Offset
		18607 to 19193	18900	1.4MHz	QPSK	1 RB / 0 RB Offset
		18615 to 19185	18900	3MHz	QPSK	1 RB / 0 RB Offset
Δ.	RADIATED	18625 to 19175	18900	5MHz	QPSK	1 RB / 0 RB Offset
Α	EMISSION	18650 to 19150	18900	10MHz	QPSK	1 RB / 0 RB Offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18900	20MHz	QPSK	1 RB / 0 RB Offset

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
EIRP	25deg. C, 57%RH	7.2Vdc from Battery	Vincent Chen
FREQUENCY STABILITY	23deg. C, 61%RH	DC 22V/24V/26V	Wenliang Wu
OCCUPIED BANDWIDTH	23deg. C, 61%RH	7.2Vdc from Battery	Wenliang Wu
PEAK TO AVERAGE RATIO	23deg. C, 61%RH	7.2Vdc from Battery	Wenliang Wu
BAND EDGE	23deg. C, 61%RH	7.2Vdc from Battery	Wenliang Wu
CONDCUDETED EMISSION	23deg. C, 61%RH	7.2Vdc from Battery	Wenliang Wu
RADIATED EMISSION	23deg. C, 70%RH	24Vdc from adapter	Vincent Chen

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2.5 EUT OPERATING CONDITIONS

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

2.6 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 24 KDB 971168 D01 Power Meas License Digital Systems v03r01 ANSI/TIA/EIA-603-D ANSI/TIA/EIA-603-E ANSI C63.26-2015

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

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TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile and portable stations are limited to 2 watts EIRP.

3.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

- a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 1MHz for GSM & GPRS, 5MHz for WCDMA mode and 10MHz for LTE mode.
- b. 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.
- 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 b. Record the power level of S.G
- d. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.

CONDUCTED POWER MEASUREMENT:

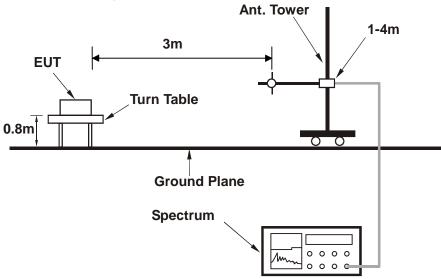
The EUT was set up for the maximum power with GSM, GPRS & WCDMA link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.



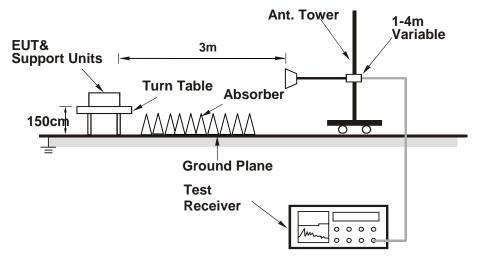
3.1.3 TEST SETUP

EIRP / ERP Measurement:

<Radiated Emission below or equal 1 GHz>

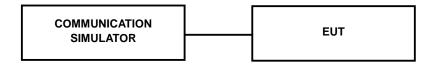


<Radiated Emission above 1 GHz>



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

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

The test results was recorded in Report No.:RF160714W002-2.

EIRP POWER (dBm)

WCDMA

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
9262	1852.4	-18.24	43.83	25.59	362.24	Н
9400	1880.0	-18.66	43.57	24.91	309.74	Н
9538	1907.6	-18.74	44.57	25.83	382.82	Н
9262	1852.4	-25.02	46.39	21.37	137.09	V
9400	1880.0	-25.13	47.10	21.97	157.33	V
9538	1907.6	-26.76	45.98	19.22	83.48	V

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 2

CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18607	1850.7	-21.91	43.83	21.92	155.74	Н	2
18900	1880.0	-21.29	43.57	22.28	169.04	Н	2
19193	1909.3	-19.71	44.32	24.61	289.00	Н	2
18607	1850.7	-27.98	46.41	18.43	69.68	V	2
18900	1880.0	-27.39	47.07	19.68	92.90	V	2
19193	1909.3	-26.01	45.88	19.87	97.14	V	2



CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18607	1850.7	-22.78	43.83	21.05	127.47	Н	2
18900	1880.0	-22.22	43.57	21.35	136.46	Н	2
19193	1909.3	-20.67	44.32	23.65	231.69	Н	2
18607	1850.7	-28.85	46.41	17.56	57.03	V	2
18900	1880.0	-28.32	47.07	18.75	74.99	V	2
19193	1909.3	-26.97	45.88	18.91	77.88	V	2

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18615	1851.5	-21.89	43.82	21.93	156.03	Н	2
18900	1880.0	-21.35	43.57	22.22	166.72	Н	2
19185	1908.5	-19.66	44.38	24.72	296.21	Н	2
18615	1851.5	-27.96	46.45	18.49	70.65	V	2
18900	1880.0	-27.45	47.07	19.62	91.62	V	2
19185	1908.5	-25.96	45.88	19.92	98.17	V	2

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18615	1851.5	-22.96	43.82	20.86	121.96	Н	2
18900	1880.0	-22.24	43.57	21.33	135.83	Н	2
19185	1908.5	-20.65	44.38	23.73	235.83	Н	2
18615	1851.5	-29.03	46.45	17.42	55.22	V	2
18900	1880.0	-28.34	47.07	18.73	74.64	V	2
19185	1908.5	-26.95	45.88	18.93	78.16	V	2



CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18625	1852.5	-21.95	43.83	21.88	154.10	Н	2
18900	1880.0	-21.30	43.57	22.27	168.66	Н	2
19175	1907.5	-19.61	44.19	24.58	286.95	Н	2
18625	1852.5	-28.02	46.46	18.44	69.87	V	2
18900	1880.0	-27.40	47.07	19.67	92.68	V	2
19175	1907.5	-25.91	45.89	19.98	99.56	V	2

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18625	1852.5	-22.78	43.83	21.05	127.29	Н	2
18900	1880.0	-22.32	43.57	21.25	133.35	Н	2
19175	1907.5	-20.71	44.19	23.48	222.74	Н	2
18625	1852.5	-28.85	46.46	17.61	57.72	V	2
18900	1880.0	-28.42	47.07	18.65	73.28	V	2
19175	1907.5	-27.01	45.89	18.88	77.29	V	2

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18650	1855.0	-21.76	43.86	22.10	162.22	Н	2
18900	1880.0	-21.24	43.57	22.33	171.00	Н	2
19150	1905.0	-19.48	43.99	24.51	282.75	Н	2
18650	1855.0	-27.83	46.28	18.45	69.95	V	2
18900	1880.0	-27.34	47.07	19.73	93.97	V	2
19150	1905.0	-25.78	45.92	20.14	103.32	V	2



CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18650	1855.0	-22.91	43.86	20.95	124.48	Н	2
18900	1880.0	-22.34	43.57	21.23	132.74	Н	2
19150	1905.0	-20.64	43.99	23.35	216.47	Н	2
18650	1855.0	-28.98	46.28	17.30	53.68	V	2
18900	1880.0	-28.44	47.07	18.63	72.95	V	2
19150	1905.0	-26.94	45.92	18.98	79.10	V	2

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18675	1857.5	-21.77	43.99	22.22	166.80	Н	2
18900	1880.0	-21.31	43.57	22.26	168.27	Н	2
19125	1902.5	-19.55	43.66	24.11	257.34	Н	2
18675	1857.5	-27.84	45.93	18.09	64.37	V	2
18900	1880.0	-27.41	47.07	19.66	92.47	V	2
19125	1902.5	-25.85	46.20	20.35	108.44	V	2

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18675	1857.5	-22.63	43.99	21.36	136.84	Н	2
18900	1880.0	-22.18	43.57	21.39	137.72	Н	2
19125	1902.5	-20.40	43.66	23.26	211.59	Н	2
18675	1857.5	-28.70	45.93	17.23	52.81	V	2
18900	1880.0	-28.28	47.07	18.79	75.68	V	2
19125	1902.5	-26.70	46.20	19.50	89.17	V	2



CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18700	1860.0	-22.35	43.50	21.15	130.29	Н	2
18900	1880.0	-21.76	43.57	21.81	151.71	Н	2
19100	1900.0	-20.13	43.62	23.49	223.15	Н	2
18700	1860.0	-28.42	45.57	17.15	51.88	V	2
18900	1880.0	-27.86	47.07	19.21	83.37	V	2
19100	1900.0	-26.43	46.26	19.83	96.18	V	2

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	SPA LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)	LIMIT (W)
18700	1860.0	-23.28	43.50	20.22	105.17	Н	2
18900	1880.0	-22.83	43.57	20.74	118.58	Н	2
19100	1900.0	-20.96	43.62	22.66	184.33	Н	2
18700	1860.0	-29.35	45.57	16.22	41.88	V	2
18900	1880.0	-28.93	47.07	18.14	65.16	V	2
19100	1900.0	-27.26	46.26	19.00	79.45	V	2

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

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

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

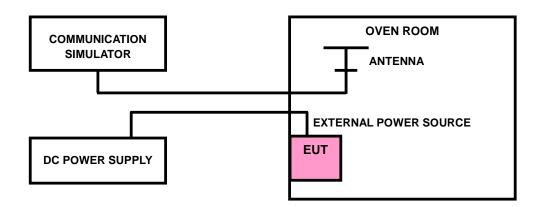
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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.

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

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

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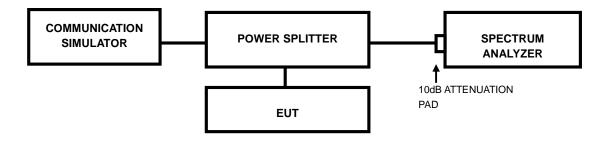
The test results was recorded in Report No.:RF160714W002-2.

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.2 TEST SETUP



3.3.3 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-2.

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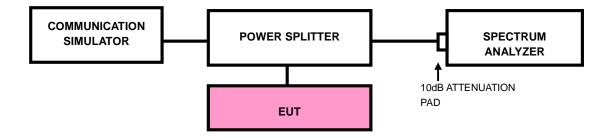
Fax: +86 755 8869 6577

3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

3.4.2 TEST SETUP



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3.4.3 TEST PROCEDURES

- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 10MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz (WCDMA).
- 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)
- 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. he 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.

3.4.4 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-2.

3.5 CONDUCTED SPURIOUS EMISSIONS

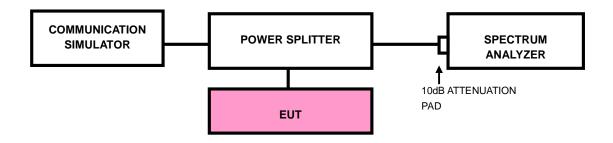
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

3.5.2 TEST PROCEDURE

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. Measuring frequency range is from 9 kHz to 19.1GHz. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-2.

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

3.6.2 TEST PROCEDURES

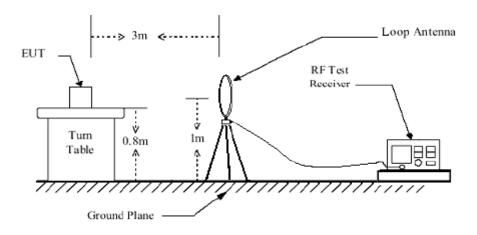
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 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.

NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

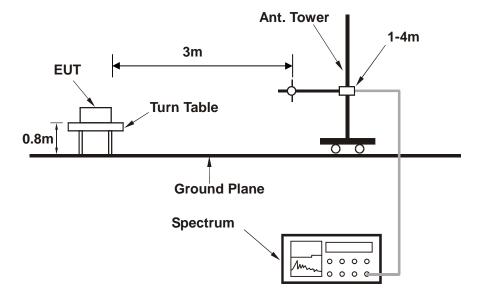
3.6.3 DEVIATION FROM TEST STANDARD

No deviation

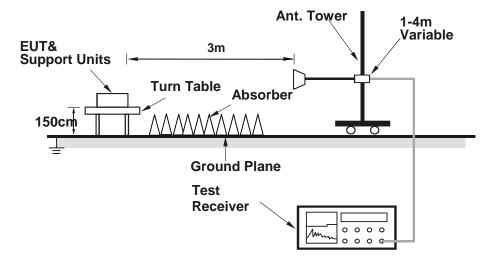
3.6.4 TEST SETUP <Below 30MHz>



< Frequency Range 30MHz~1GHz >



< Frequency Range above 1GHz >



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

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3.6.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

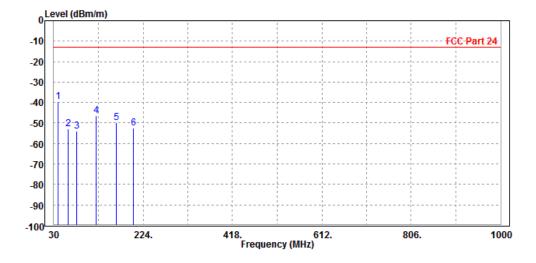
9 KHz – 30 MHz data: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

30 MHz – 1GHz data:

WCDMA Band II

MODE	TX channel 9400	FREQUENCY RANGE	Below 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter					
TESTED BY	Vincent Chen							
ANTENN	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

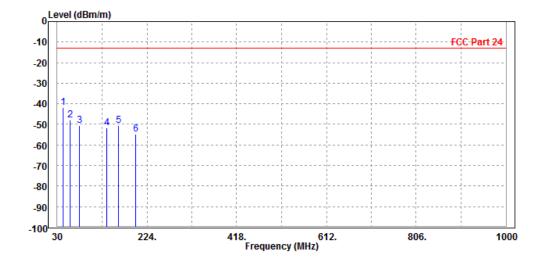
			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
_								
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	39.700	-39.38	-51.46	-13.00	-26.38	12.08	Peak	Horizontal
2	62.010	-52.95	-44.74	-13.00	-39.95	-8.21	Peak	Horizontal
3	79.470	-54.11	-46.22	-13.00	-41.11	-7.89	Peak	Horizontal
4	122.150	-46.51	-30.97	-13.00	-33.51	-15.54	Peak	Horizontal
5	165.800	-49.62	-31.36	-13.00	-36.62	-18.26	Peak	Horizontal
6	202.660	-52.61	-35.43	-13.00	-39.61	-17.18	Peak	Horizontal





MODE	TX channel 9400	FREQUENCY RANGE	Below 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							

			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
_								
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	42 610	44 72	20.46	12.00	-28.73	2 27	Dools	Vertical
I PP	42.010	-41./3	-39.40	-13.00	-20./3	-2.2/	reak	vertical
2	57.160	-47.91	-37.71	-13.00	-34.91	-10.20	Peak	Vertical
3	77.530	-50.75	-39.19	-13.00	-37.75	-11.56	Peak	Vertical
4	136.700	-51.68	-37.32	-13.00	-38.68	-14.36	Peak	Vertical
5	161.920	-50.76	-35.69	-13.00	-37.76	-15.07	Peak	Vertical
6	199.750	-54.74	-44.07	-13.00	-41.74	-10.67	Peak	Vertical



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ABOVE 1GHz DATA

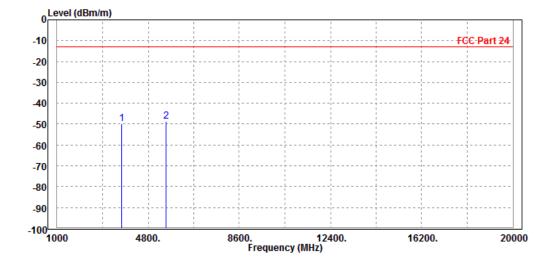
Note: For higher frequency, the emission is too low to be detected.

WCDMA Band II

CH 9262

MODE	TX channel 9262	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							

	Fred	Level		Limit		Factor	Remark	Pol/Phase
	1104						Kellul K	
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3698.000	-49 91	-53 02	-13 00	-36 91	3 11	Peak	Horizontal
2	5557.000							Horizontal

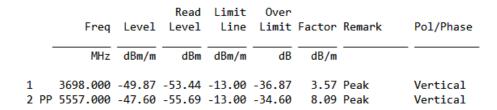


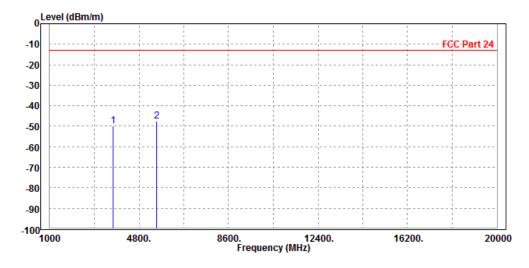
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MODE	TX channel 9262 FREQUENCY RANGE		Above 1000MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M				

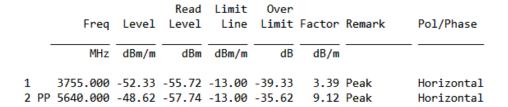


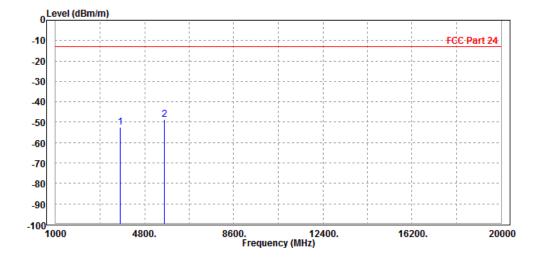




CH 9400

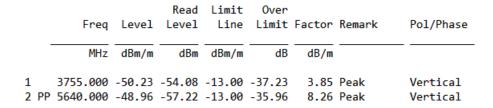
MODE	TX channel 9400	FREQUENCY RANGE	Above 1000MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M				

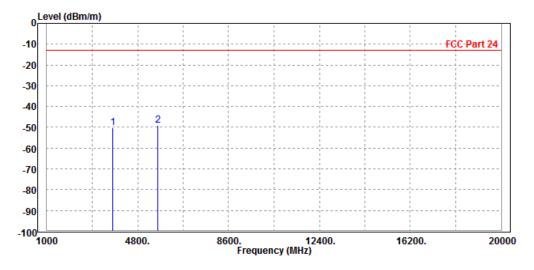






MODE	TX channel 9400	9400 FREQUENCY RANGE		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M				



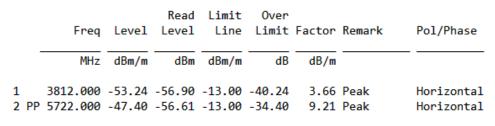


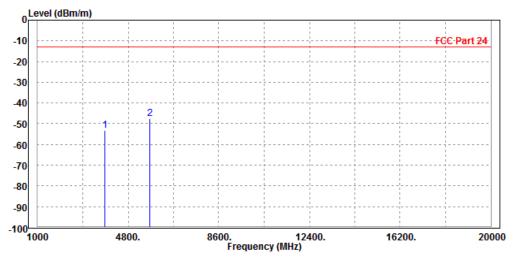
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CH 9538

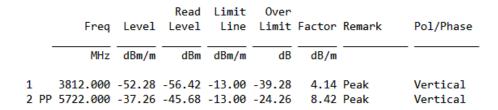
MODE	TX channel 9538	FREQUENCY RANGE	Above 1000MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M				

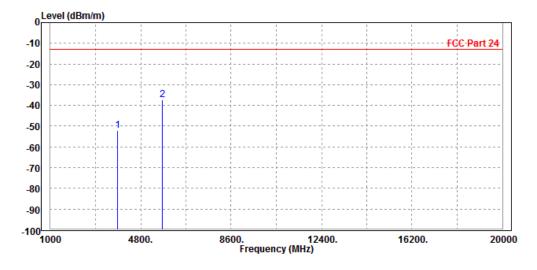






MODE	TX channel 9538	FREQUENCY RANGE	Above 1000MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M				





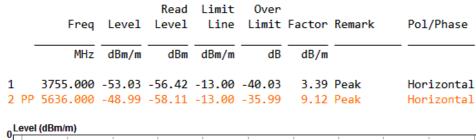
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

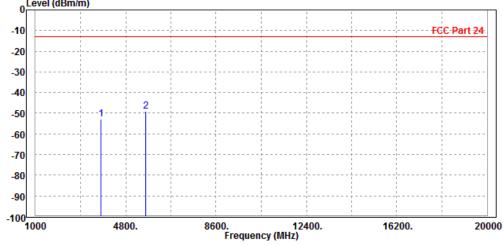


LTE Band 2

CHANNEL BANDWIDTH: 1.4MHz / QPSK

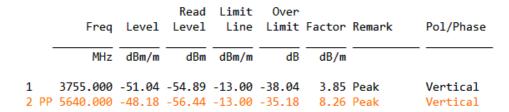
MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

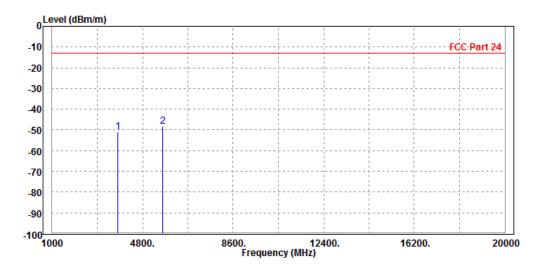






MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz	
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter	
TESTED BY	Vincent Chen			
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M				

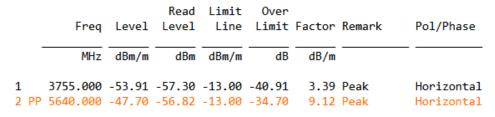


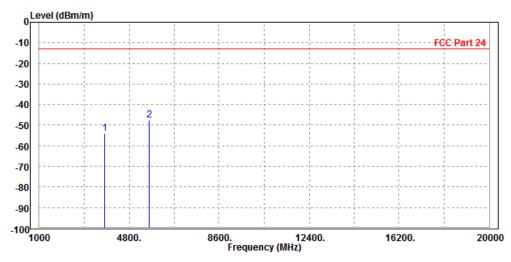




CHANNEL BANDWIDTH: 3MHz/QPSK

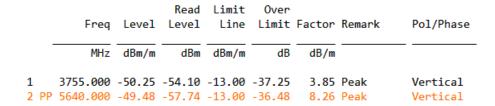
MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

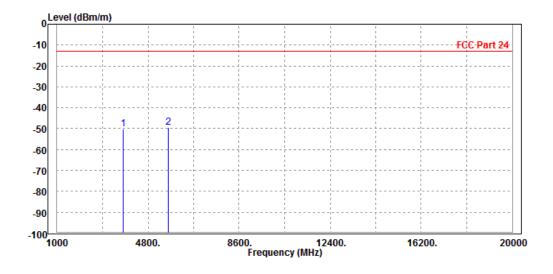






MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS 23deg. C, 70%RH		INPUT POWER	DC 24V from adapter		
TESTED BY	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M					





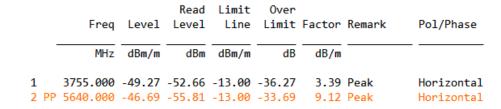
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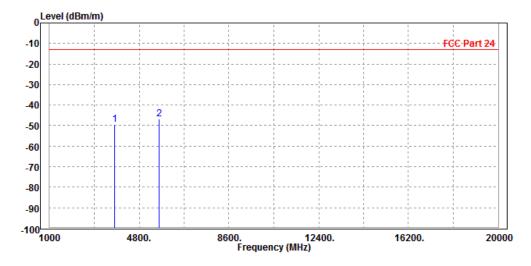
Email: customerservice.dg@cn.bureauveritas.com



CHANNEL BANDWIDTH: 5MHz/QPSK

MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	BY Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

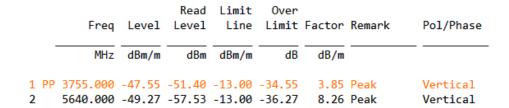


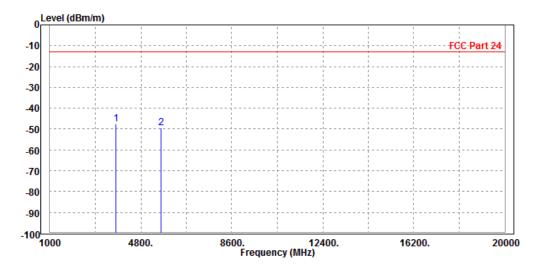


Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



MODE	TX channel 18900	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					

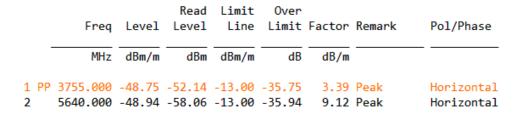


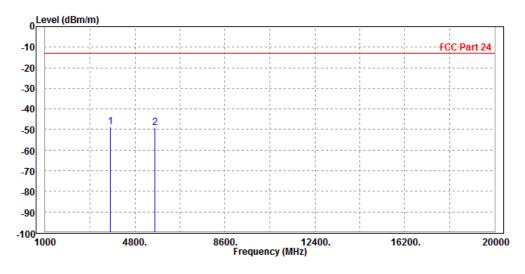




CHANNEL BANDWIDTH: 10MHz/QPSK

MODE	TX channel 18900	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

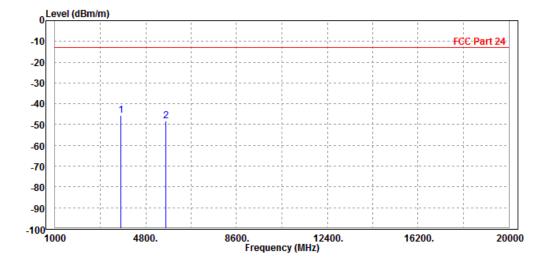
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District, Shenzhen, Guangdong, China



MODE	TX channel 18900	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				

		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 2		3755.000 5640.000							Vertical Vertical



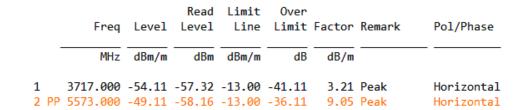
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

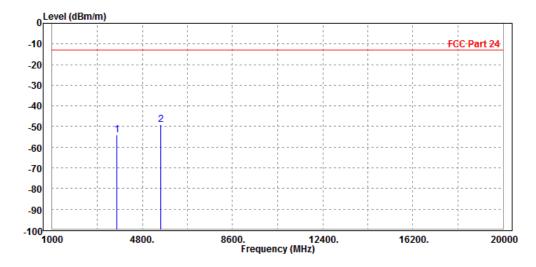


CHANNEL BANDWIDTH: 15MHz/QPSK

CH18675

MODE	TX channel 18675	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					



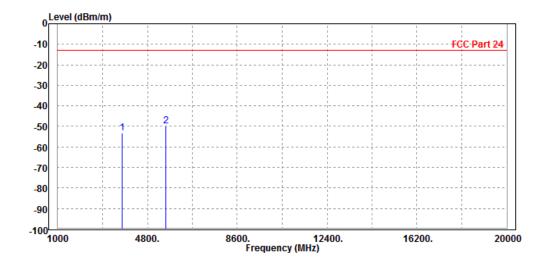


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MODE	ODE TX channel 18675		Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter		
TESTED BY	Vincent Chen				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M					

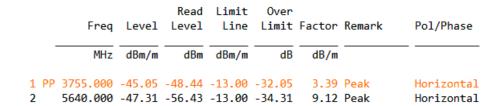
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		-
1		3717.000	-53.11	-56.77	-13.00	-40.11	3.66	Peak	Vertical
2	PP	5573.000	-49.68	-57.80	-13.00	-36.68	8.12	Peak	Vertical

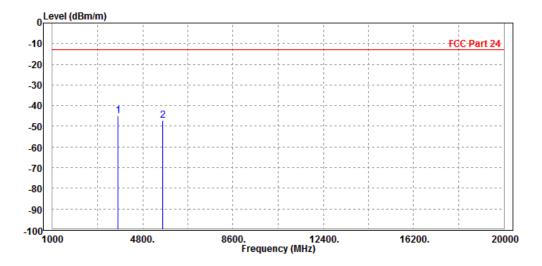




CH18900

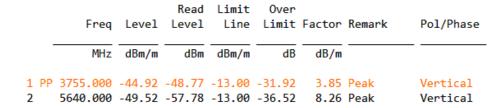
MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

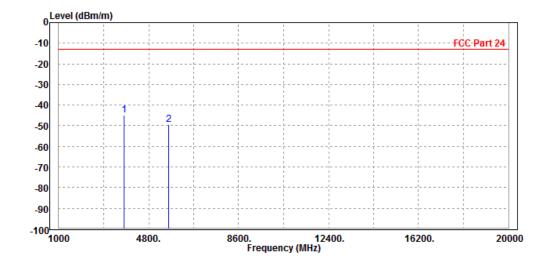






MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



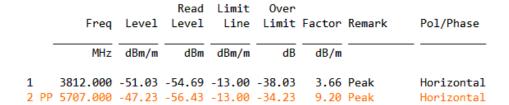


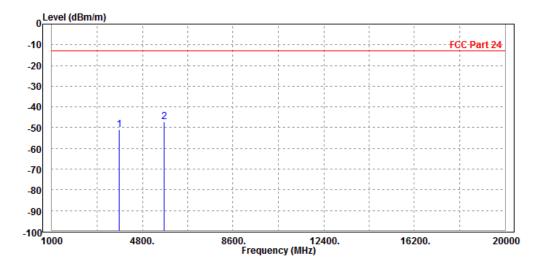
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



CH18125

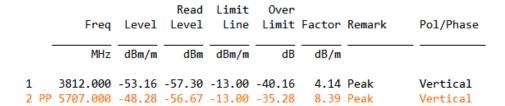
MODE	TX channel 18125	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

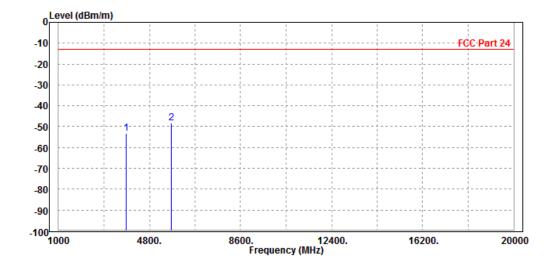






MODE	TX channel 18125	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 24V from adapter
TESTED BY	Vincent Chen		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





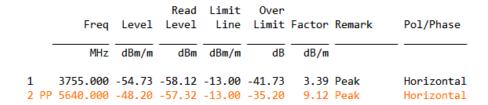
Tel: +86 755 8869 6566

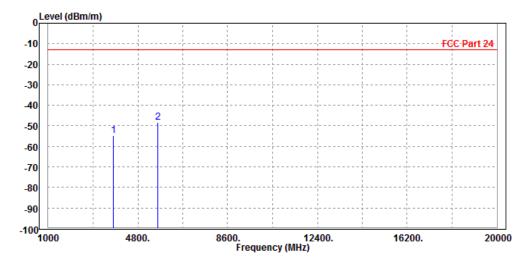
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CHANNEL BANDWIDTH: 20MHz/QPSK

MODE	TX channel 18900	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			



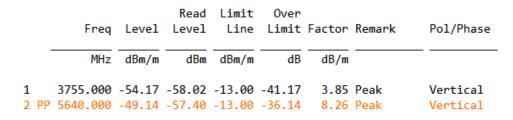


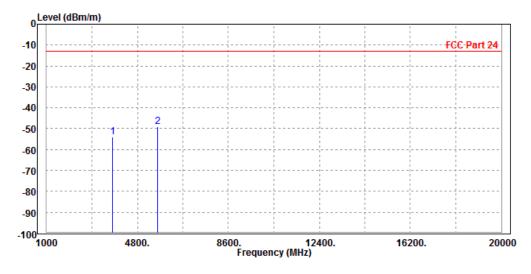
Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

Email: customerservice.dg@cn.bureauveritas.com



MODE	TX channel 18900	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			



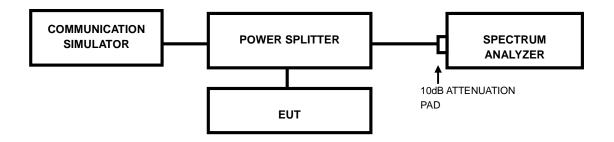


3.7 PEAK TO AVERAGE RATIO

3.7.1 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

3.7.2 TEST SETUP



3.7.3 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%.

3.7.4 TEST RESULTS

The test results was recorded in Report No.:RF160714W002-2.

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.

District, Shenzhen, Guangdong, China

Fax: +86 755 8869 6577

Tel: +86 755 8869 6566

BV 7Layers Communications Technology (Shenzhen) Co. Ltd



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

No any modifications are made to the EUT by the lab during the test.

---END---