FCC TEST REPORT

(PART 27)

REPORT NO.:	RF131213C05-2
MODEL NO.:	T00D
FCC ID:	MSQT00D
RECEIVED:	Dec. 13, 2013
TESTED:	Dec. 22, 2013 ~ Feb. 21, 2014
ISSUED:	Feb. 27, 2014

APPLICANT: ASUSTek COMPUTER INC.

ADDRESS: 4F., No. 150, LI-TE Rd., PEITOU, TAIPEI 112, TAIWAN

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

This report should not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF131213C05-2	Original release	Feb. 27, 2014

1 CERTIFICATION

PRODUCT:	PadFone X
MODEL NO.:	T00D
BRAND:	ASUS
APPLICANT:	ASUSTek COMPUTER INC.
TESTED:	Dec. 22, 2013 ~ Feb. 21, 2014
TEST SAMPLE:	Identical Prototype
STANDARDS:	**FCC Part 27, Subpart C, L** **FCC Part 2** ANSI C63.4-2003

The above equipment (model: T00D) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Vera Huang , **DATE:** Feb. 27, 2014

Vera Huang / Specialist

APPROVED BY : Sam chen , **DATE:** Feb. 27, 2014

Sam Chen / Senior Project Engineer

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

LTE BAND 17			
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**	**REMARK**
2.1046 27.50(C)(10)	Maximum Peak Output Power	PASS	Meet the requirement of limit.
2.1055 27.54	Frequency Stability	PASS	Meet the requirement of limit.
2.1049 27.53(g)	Occupied Bandwidth	PASS	Meet the requirement of limit.
27.50(d)(5)	Peak to average ratio	PASS	Meet the requirement of limit.
27.53(g)	Band Edge Measurements	PASS	Meet the requirement of limit.
2.1051 27.53(g)	Conducted Spurious Emissions	PASS	Meet the requirement of limit.
2.1053 27.53(g)	Radiated Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -13.37dB at 2130.00MHz.

LTE BAND 4			
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	PASS	Meet the requirement of limit.
2.1049 27.53(h)	Occupied Bandwidth	PASS	Meet the requirement of limit.
27.50(d)(5)	Peak to average ratio	PASS	Meet the requirement of limit.
27.53(h)	Band Edge Measurements	PASS	Meet the requirement of limit.
2.1051 27.53(h)	Conducted Spurious Emissions	PASS	Meet the requirement of limit.
2.1053 27.53(h)	Radiated Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -10.52dB at 6930.00MHz.

2.1 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	150kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

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

2.2 TEST SITE AND INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCI	100744	Apr. 15, 2013	Apr. 14, 2014
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 21, 2013	Dec. 20, 2014
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Mar. 25, 2013	Mar. 24, 2014
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Nov. 01, 2013	Oct. 31, 2014
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Dec. 18, 2013	Dec. 17, 2014
Loop Antenna	3127-836	00099258	Aug. 09, 2013	Aug. 08, 2014
Preamplifier EMCI	8447D	2944A10631	Aug. 30, 2013	Aug. 29, 2014
Preamplifier EMCI	8449B	3008A1960	Aug. 30, 2013	Aug. 29, 2014
Preamplifier EMCI	EMC 330H	980112	Dec. 28, 2012	Dec. 27, 2013
Preamplifier EMCI	EMC 330H	980112	Dec. 27, 2013	Dec. 26, 2014
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	309219/4	Oct. 18, 2013	Oct. 17, 2014
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250130/4	Oct. 18, 2013	Oct. 17, 2014
RF signal cable Worken	RG-213	NA	Nov. 07, 2013	Nov. 06, 2014
Software	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower &Turn Table Controller MF	MF-7802	NA	NA	NA
Mini-Circuits Power Splitter	ZN2PD-9G	NA	Jul. 18, 2013	Jul. 17, 2014
JFW 20dB attenuation	50HF-020-SMA	NA	NA	NA
Communications Tester-Wireless	E5515C	MY52102544	Sep. 05, 2012	Sep. 04, 2014
Radio Communication Analyzer	MT8820C	6201300640	Aug. 01, 2013	Jul. 31, 2014

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 10.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 690701.
5. The IC Site Registration No. is IC 7450F-10.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	PadFone X	
MODEL NO.	T00D	
POWER SUPPLY	5Vdc (adapter or host equipment) 3.8Vdc (battery)	
MODULATION TECHNOLOGY	**LTE Band 17**	QPSK, 16QAM
	LTE Band 4	QPSK, 16QAM
FREQUENCY RANGE	**LTE Band 17** **Channel Bandwidth: 5MHz**	706.5MHz ~ 713.5MHz
	LTE Band 17 **Channel Bandwidth: 10MHz**	709MHz ~ 711MHz
	LTE Band 4 **Channel Bandwidth: 5MHz**	1712.5MHz ~1752.5MHz
	LTE Band 4 **Channel Bandwidth: 10MHz**	1715MHz ~1750MHz
EMISSION DESIGNATOR	**LTE Band 17** **Channel Bandwidth: 5MHz**	4M50G7D
	LTE Band 17 **Channel Bandwidth: 10MHz**	8M88G7D
	LTE Band 4 **Channel Bandwidth: 5MHz**	4M50G7D
	LTE Band 4 **Channel Bandwidth: 10MHz**	8M92W7D
MAX. ERP POWER (W)	**LTE Band 17** **Channel Bandwidth: 5MHz**	88.92mW
	LTE Band 17 **Channel Bandwidth: 10MHz**	93.11mW
MAX. EIRP POWER (mW)	**LTE Band 4** **Channel Bandwidth: 5MHz**	296.41mW
	LTE Band 4 **Channel Bandwidth: 10MHz**	284.38mW
CATEGORY	3	
ANTENNA TYPE	Fixed Internal Antenna	
DATA CABLE	Refer to Note as below	
I/O PORTS	Refer to users' manual	
ACCESSORY DEVICES	Refer to Note as below	

NOTE:

1. The EUT has following accessories.

ITEM	BRAND	MODEL	DESCRIPTION
AC Adapter 1	ASUS	AD897320	I/P: 100-240Vac, 50-60Hz, 0.3A O/P: 5Vdc, 2A
AC Adapter 2	ASUS	W12-010N3A	I/P: 100-240Vac, 50-60Hz, 0.3A O/P: 5Vdc, 2A
Li-ion Battery	ASUS	C11P1322	Rating: 3.8Vdc, 8.7Wh
Earphone 1	ASUS	OBOPRO2	1.27m cable
Earphone 2	ASUS	WW	1.25m cable
Earphone 3	ASUS	CHM-125STS02001	1.15m cable
USB cable 1	ASUS	AA780300	0.85m cable
USB cable 2	ASUS	L65U2008-CS-B	0.95m cable
USB cable 3	ASUS	CUHD003B-Y05-EF	0.95m cable
LCD Panel	SHARP	LS050T1SX04	--
Front Camera 1	AZWAVE	AM-2F024	--
Front Camera 2	Chicony	CCFD21220003871LH	--
Rear Camera	LARVIEW	CBAA0-010A	--
WLAN / BT Module	QUALCOMM	WIRELESS IC 79BWLNSP	--

2. The device has configurations as below.

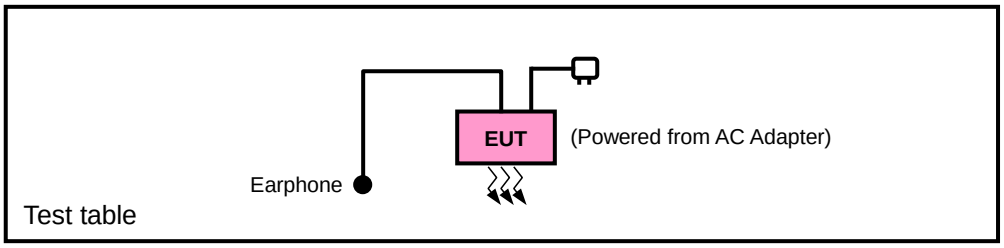
EUT CONFIGURE MODE	Description
A	EUT with Front Camera 1
B	EUT + PadFone Station with Front Camera 1
C	EUT with Front Camera 2
D	EUT + PadFone Station with Front Camera 2

3. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

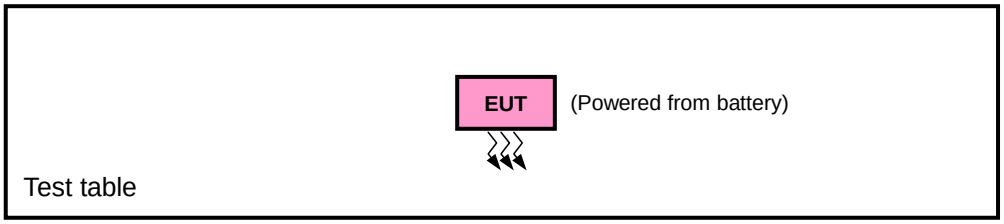
3.2 CONFIGURATION OF SYSTEM UNDER TEST

MODE A & C

FOR RADIATION EMISSION TEST

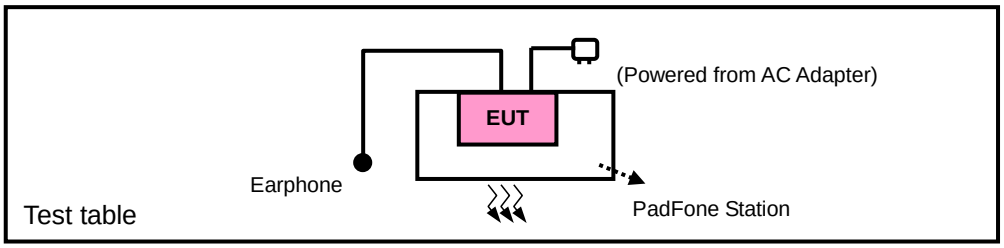


FOR E.I.R.P. TEST

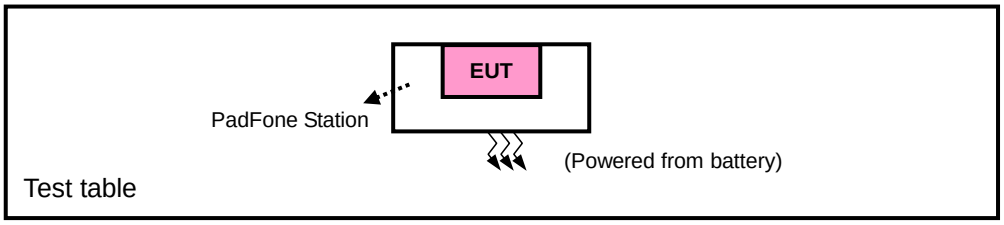


MODE B & D

FOR RADIATION EMISSION TEST



FOR E.I.R.P. TEST



3.3 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	PadFone X Station	ASUS	T00DP	N/A	N/A
2	Battery for PadFone X Station	ASUS	C11P1323	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
2	N/A

NOTE:
1. All power cords of the above support units are non shielded (1.8m).
2. Items 1-2 were provided by client.

3.4 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 was found as listed below for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE		BAND	AXIS FOR RADIATED EMISSION
A	ERP	LTE Band 17	X
	EIRP	LTE Band 4	Y
	RADIATED EMISSION	LTE Band 17	X
		LTE Band 4	Y
B	ERP	LTE Band 17	X
	EIRP	LTE Band 4	Y
	RADIATED EMISSION	LTE Band 17	Z
		LTE Band 4	Y
C	RADIATED EMISSION	LTE Band 17	X
		LTE Band 4	Z
D	RADIATED EMISSION	LTE Band 17 / LTE Band 4	Y

LTE Band 17

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A, B	ERP	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB / 12 RB Offset
		23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	1 RB / 24 RB Offset
A	FREQUENCY STABILITY	23755 to 23825	23790	5MHz	QPSK	1 RB / 12 RB Offset
		23780 to 23800	23790	10MHz	QPSK	1 RB / 24 RB Offset
A	OCCUPIED BANDWIDTH	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB / 12 RB Offset
		23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	1 RB / 24 RB Offset
A	BAND EDGE	23755 to 23825	23755	5MHz	QPSK	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			23825	5MHz	QPSK	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		23780 to 23800	23780	10MHz	QPSK	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			23800	10MHz	QPSK	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
A	CONDCUDETED EMISSION	23755 to 23825	23790	5MHz	QPSK	1 RB / 12 RB Offset
		23780 to 23800	23790	10MHz	QPSK	1 RB / 24 RB Offset
A, B	RADIATED EMISSION	23755 to 23825	23790	5MHz	QPSK	1 RB / 12 RB Offset
		23780 to 23800	23790	10MHz	QPSK	1 RB / 24 RB Offset
C, D	RADIATED EMISSION	23780 to 23800	23790	10MHz	QPSK	1 RB / 24 RB Offset

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

LTE Band 4

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A, B	EIRP	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 12 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 24 RB Offset
A	FREQUENCY STABILITY	19975 to 20375	20175	5MHz	QPSK	1 RB / 12 RB Offset
		20000 to 20350	20175	10MHz	QPSK	1 RB / 24 RB Offset
A	OCCUPIED BANDWIDTH	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 12 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 24 RB Offset
A	BAND EDGE	19975 to 20375	19975	5MHz	QPSK	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			20375	5MHz	QPSK	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		20000 to 20350	20000	10MHz	QPSK	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			20350	10MHz	QPSK	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
A	CONDCUDETED EMISSION	19975 to 20375	20175	5MHz	QPSK	1 RB / 12 RB Offset
		20000 to 20350	20175	10MHz	QPSK	1 RB / 24 RB Offset
A, B	RADIATED EMISSION	19975 to 20375	20175	5MHz	QPSK	1 RB / 12 RB Offset
		20000 to 20350	20175	10MHz	QPSK	1 RB / 24 RB Offset
C, D	RADIATED EMISSION	19975 to 20375	20175	5MHz	QPSK	1 RB / 12 RB Offset

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

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP/EIRP	25deg. C, 59%RH	3.8Vdc	Howard Kao
FREQUENCY STABILITY	25deg. C, 59%RH	3.8Vdc	Howard Kao
OCCUPIED BANDWIDTH	25deg. C, 59%RH	3.8Vdc	Howard Kao
BAND EDGE	25deg. C, 59%RH	3.8Vdc	Howard Kao
CONDCUDETED EMISSION	25deg. C, 59%RH	3.8Vdc	Howard Kao
RADIATED EMISSION	25deg. C, 65%RH	120Vac, 60Hz	Anson Lin / Kay Wu / Dylan Yang

3.5 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

ANSI C63.4-2003

ANSI/TIA/EIA-603-C 2004

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

4 TEST TYPES AND RESULTS

4.1 OUTPUT POWER MEASUREMENT

4.1.1 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 704-716 MHz band are limited to 3 watts ERP.

4.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 1MHz for GSM, GPRS & EDGE, 5MHz for WCDMA and CDMA 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

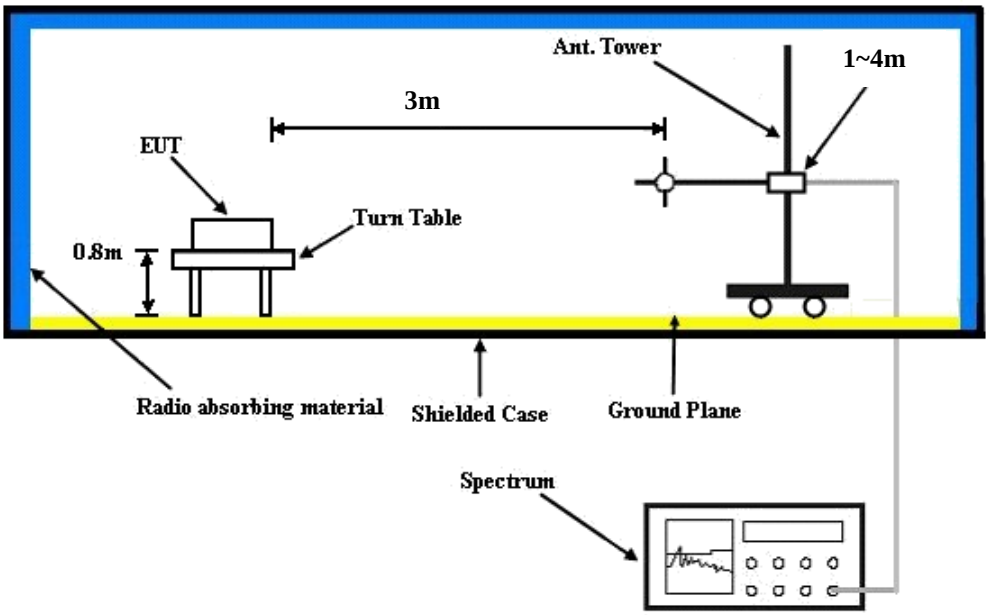
d. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.R.P power - 2.15dBi.

CONDUCTED POWER MEASUREMENT:

The EUT was set up for the maximum power with GSM, GPRS, EDGE, WCDMA & CDMA 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.

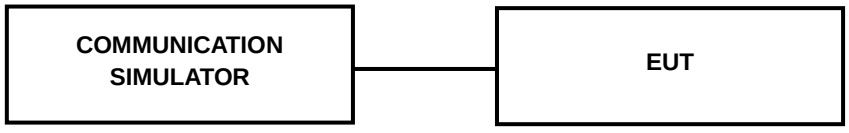
4.1.3 TEST SETUP

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).

4.1.4 TEST RESULTS

AVERAGE CONDUCTED OUTPUT POWER (dBm)

Band / BW	Modulation	RB Size	RB Offset	Low CH 23755 Frequency 706.5 MHz	Mid CH 23790 Frequency 710.0 MHz	High CH 23825 Frequency 713.5 MHz	3GPP MPR (dB)
17 / 5M	QPSK	1	0	22.02	21.98	21.97	0
		1	12	22.28	22.25	22.24	0
		1	24	22.06	21.91	21.89	0
		12	0	22.14	22.22	22.23	1
		12	6	22.24	22.21	22.22	1
		12	13	22.25	22.19	22.16	1
		25	0	22.27	22.20	22.13	1
	16QAM	1	0	20.99	20.95	20.94	1
		1	12	21.25	21.22	21.21	1
		1	24	21.03	20.88	20.86	1
		12	0	21.11	21.19	21.20	2
		12	6	21.21	21.18	21.19	2
		12	13	21.22	21.16	21.13	2
		25	0	21.24	21.17	21.10	2

Band / BW	Modulation	RB Size	RB Offset	Low CH 23780 Frequency 709.0 MHz	Mid CH 23790 Frequency 710.0 MHz	High CH 23800 Frequency 711.0 MHz	3GPP MPR (dB)
17 / 10M	QPSK	1	0	22.06	22.02	22.01	0
		1	24	**22.32**	22.29	22.28	0
		1	49	22.10	21.95	21.93	0
		25	0	22.18	22.26	22.27	1
		25	12	22.28	22.25	22.26	1
		25	25	22.29	22.23	22.20	1
		50	0	22.31	22.24	22.17	1
	16QAM	1	0	21.01	20.97	20.96	1
		1	24	21.27	21.24	21.23	1
		1	49	21.05	20.90	20.88	1
		25	0	21.13	21.21	21.22	2
		25	12	21.23	21.20	21.21	2
		25	25	21.24	21.18	21.15	2
		50	0	21.26	21.19	21.12	2

Band / BW	Modulation	RB Size	RB Offset	Low CH 19975	Mid CH 20175	High CH 20375	3GPP MPR (dB)
				Frequency 1712.5 MHz	Frequency 1732.5 MHz	Frequency 1752.5 MHz	
4 / 5M	QPSK	1	0	22.21	22.26	22.34	0
		1	12	22.08	22.41	22.51	0
		1	24	22.08	22.16	22.33	0
		12	0	21.21	21.30	21.43	1
		12	6	21.20	21.28	21.47	1
		12	13	21.21	21.26	21.47	1
		25	0	21.27	21.29	21.42	1
	16QAM	1	0	21.17	21.22	21.30	1
		1	12	21.04	21.37	21.47	1
		1	24	21.04	21.12	21.29	1
		12	0	20.17	20.26	20.39	2
		12	6	20.16	20.24	20.43	2
		12	13	20.17	20.22	20.43	2
		25	0	20.23	20.25	20.38	2

Band / BW	Modulation	RB Size	RB Offset	Low CH 20000	Mid CH 20175	High CH 20350	3GPP MPR (dB)
				Frequency 1715.0 MHz	Frequency 1732.5 MHz	Frequency 1750.0 MHz	
4 / 10M	QPSK	1	0	22.23	22.28	22.36	0
		1	24	22.10	22.43	**22.53**	0
		1	49	22.10	22.18	22.35	0
		25	0	21.23	21.32	21.45	1
		25	12	21.22	21.30	21.49	1
		25	25	21.23	21.28	21.49	1
		50	0	21.29	21.31	21.44	1
	16QAM	1	0	21.20	21.25	21.33	1
		1	24	21.07	21.40	21.50	1
		1	49	21.07	21.15	21.32	1
		25	0	20.20	20.29	20.42	2
		25	12	20.19	20.27	20.46	2
		25	25	20.20	20.25	20.46	2
		50	0	20.26	20.28	20.41	2

MODE A

AVERAGE ERP (dBm)

LTE BAND 17

CHANNEL BANDWIDTH: 5MHz QPSK

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	23755	706.5	-12.22	30.36	15.99	39.72	H
	23790	710	-12.31	30.17	15.71	37.24	H
	23825	713.5	-12.50	30.17	15.52	35.65	H
	23755	706.5	-19.88	32.03	10.00	10.00	V
	23790	710	-19.51	31.98	10.32	10.76	V
	23825	713.5	-18.79	32.06	11.12	12.94	V

CHANNEL BANDWIDTH: 5MHz 16QAM

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	23755	706.5	-13.46	30.36	14.75	29.85	H
	23790	710	-13.54	30.17	14.48	28.05	H
	23825	713.5	-13.85	30.17	14.17	26.12	H
	23755	706.5	-20.11	32.03	9.77	9.48	V
	23790	710	-20.47	31.98	9.36	8.63	V
	23825	713.5	-20.18	32.06	9.73	9.40	V

CHANNEL BANDWIDTH: 10MHz QPSK

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	23780	709	-12.90	30.17	15.12	32.51	H
	23790	710	-12.34	30.17	15.68	36.98	H
	23800	711	-12.39	30.18	15.64	36.64	H
	23780	709	-19.50	31.96	10.31	10.74	V
	23790	710	-19.22	31.98	10.61	11.51	V
	23800	711	-19.36	32.03	10.52	11.27	V

CHANNEL BANDWIDTH: 10MHz 16QAM

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	23780	709	-13.75	30.17	14.27	26.73	H
	23790	710	-13.70	30.17	14.32	27.04	H
	23800	711	-13.49	30.18	14.54	28.44	H
	23780	709	-20.58	31.96	9.23	8.38	V
	23790	710	-20.50	31.98	9.33	8.57	V
	23800	711	-20.49	32.03	9.39	8.69	V

AVERAGE EIRP (dBm)

LTE BAND 4

CHANNEL BANDWIDTH: 5MHz QPSK

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
Y	19975	1712.5	-14.56	36.45	21.89	154.53	H
	20175	1732.5	-14.09	36.80	22.71	186.59	H
	20375	1752.5	-14.61	36.94	22.33	171.12	H
	19975	1712.5	-20.03	37.28	17.25	53.05	V
	20175	1732.5	-20.70	37.63	16.93	49.32	V
	20375	1752.5	-20.68	37.64	16.96	49.66	V

CHANNEL BANDWIDTH: 5MHz 16QAM

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
Y	19975	1712.5	-14.81	36.45	21.64	145.88	H
	20175	1732.5	-15.12	36.80	21.68	147.20	H
	20375	1752.5	-15.11	36.94	21.83	152.51	H
	19975	1712.5	-21.96	37.28	15.32	34.02	V
	20175	1732.5	-21.55	37.63	16.08	40.55	V
	20375	1752.5	-21.48	37.64	16.16	41.30	V

CHANNEL BANDWIDTH: 10MHz QPSK

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
Y	20000	1715	-14.16	36.64	22.48	177.01	H
	20175	1732.5	-14.16	36.80	22.64	183.44	H
	20350	1750	-14.49	36.80	22.31	170.22	H
	20000	1715	-20.74	37.44	16.70	46.76	V
	20175	1732.5	-20.76	37.63	16.87	48.63	V
	20350	1750	-20.69	37.64	16.95	49.49	V

CHANNEL BANDWIDTH: 10MHz 16QAM

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
Y	20000	1715	-15.07	36.64	21.57	143.55	H
	20175	1732.5	-15.08	36.80	21.72	148.42	H
	20350	1750	-14.49	36.80	22.31	170.22	H
	20000	1715	-21.03	37.44	16.41	43.74	V
	20175	1732.5	-21.26	37.63	16.37	43.34	V
	20350	1750	-21.46	37.64	16.18	41.45	V

MODE B

AVERAGE ERP (dBm)

LTE BAND 17

CHANNEL BANDWIDTH: 5MHz QPSK

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	23755	706.5	-8.72	30.36	19.49	88.92	H
	23790	710	-8.85	30.17	19.17	82.60	H
	23825	713.5	-8.54	30.17	19.48	88.72	H
	23755	706.5	-20.88	32.03	9.00	7.94	V
	23790	710	-20.46	31.98	9.37	8.65	V
	23825	713.5	-20.20	32.06	9.71	9.35	V

CHANNEL BANDWIDTH: 5MHz 16QAM

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	23755	706.5	-8.90	30.17	19.12	81.66	H
	23790	710	-8.97	30.17	19.05	80.35	H
	23825	713.5	-9.11	30.18	18.92	77.98	H
	23755	706.5	-19.88	31.96	9.93	9.84	V
	23790	710	-19.80	31.98	10.03	10.07	V
	23825	713.5	-19.53	32.03	10.35	10.84	V

CHANNEL BANDWIDTH: 10MHz QPSK

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	23780	709	-8.59	30.36	19.62	91.62	H
	23790	710	-8.64	30.17	19.38	86.70	H
	23800	711	-8.33	30.17	19.69	93.11	H
	23780	709	-20.75	32.03	9.13	8.18	V
	23790	710	-20.35	31.98	9.48	8.87	V
	23800	711	-20.06	32.06	9.85	9.66	V

CHANNEL BANDWIDTH: 10MHz 16QAM

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	ERP(dBm)	ERP(mW)	Polarization (H/V)
X	23780	709	-9.34	30.17	18.68	73.79	H
	23790	710	-9.56	30.17	18.46	70.15	H
	23800	711	-9.44	30.18	18.59	72.28	H
	23780	709	-19.65	31.96	10.16	10.38	V
	23790	710	-19.57	31.98	10.26	10.62	V
	23800	711	-19.32	32.03	10.56	11.38	V

AVERAGE EIRP (dBm)

LTE BAND 4

CHANNEL BANDWIDTH: 5MHz QPSK

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
Y	19975	1712.5	-12.68	36.45	23.77	238.23	H
	20175	1732.5	-12.08	36.80	24.72	296.41	H
	20375	1752.5	-12.88	36.94	24.06	254.86	H
	19975	1712.5	-20.35	37.28	16.93	49.28	V
	20175	1732.5	-19.45	37.63	18.18	65.77	V
	20375	1752.5	-19.40	37.64	18.24	66.68	V

CHANNEL BANDWIDTH: 5MHz 16QAM

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
Y	19975	1712.5	-13.33	36.45	23.12	205.12	H
	20175	1732.5	-13.72	36.80	23.08	203.19	H
	20375	1752.5	-13.95	36.94	22.99	199.20	H
	19975	1712.5	-20.37	37.28	16.91	49.06	V
	20175	1732.5	-19.86	37.63	17.77	59.84	V
	20375	1752.5	-19.48	37.64	18.16	65.46	V

CHANNEL BANDWIDTH: 10MHz QPSK

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
Y	20000	1715	-12.51	36.45	23.94	247.74	H
	20175	1732.5	-12.26	36.80	24.54	284.38	H
	20350	1750	-12.65	36.94	24.29	268.72	H
	20000	1715	-20.09	37.28	17.19	52.32	V
	20175	1732.5	-19.28	37.63	18.35	68.39	V
	20350	1750	-19.06	37.64	18.58	72.11	V

CHANNEL BANDWIDTH: 10MHz 16QAM

Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor(dB)	EIRP(dBm)	EIRP(mW)	Polarization (H/V)
Y	20000	1715	-13.22	36.45	23.23	210.38	H
	20175	1732.5	-13.51	36.80	23.29	213.26	H
	20350	1750	-13.57	36.94	23.37	217.42	H
	20000	1715	-20.15	37.28	17.13	51.61	V
	20175	1732.5	-19.57	37.63	18.06	63.97	V
	20350	1750	-19.22	37.64	18.42	69.50	V

4.2 FREQUENCY STABILITY MEASUREMENT

4.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

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

4.2.2 TEST PROCEDURE

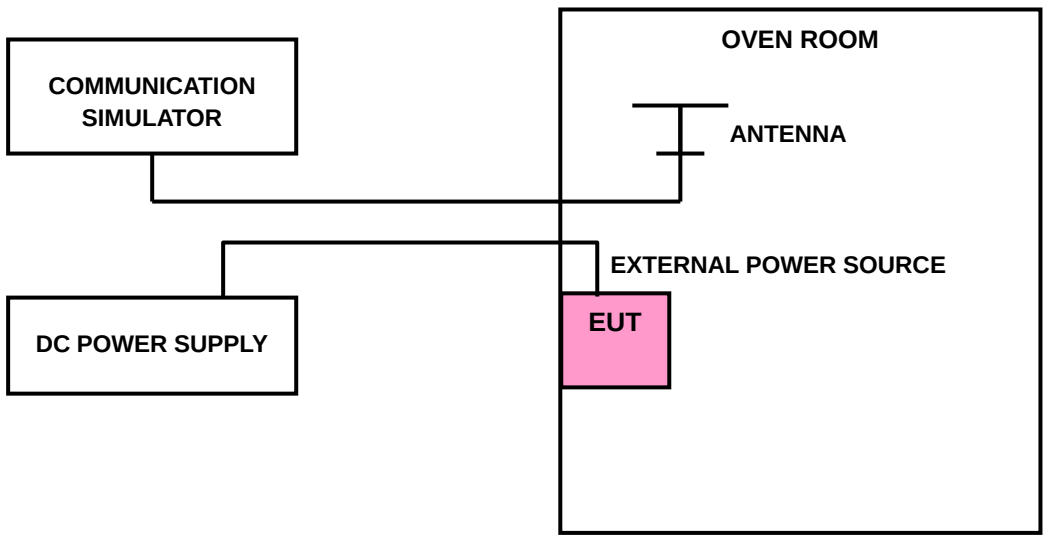
a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.

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 ±0.5℃ 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.

4.2.3 TEST SETUP



4.2.4 TEST RESULTS

VOLTAGE (Volts)	FREQUENCY ERROR (ppm)				LIMIT (ppm)
	LTE BAND 17		LTE BAND 4		
	5MHz	10MHz	5MHz	10MHz	
3.8	-0.0024	-0.0061	-0.0048	-0.0012	2.5
3.6	-0.0031	-0.0023	-0.0008	-0.0032	2.5
4.2	-0.0054	0.0058	0.0013	0.0010	2.5

NOTE: The applicant defined the normal working voltage of the battery is from 3.6Vdc to 4.2Vdc.

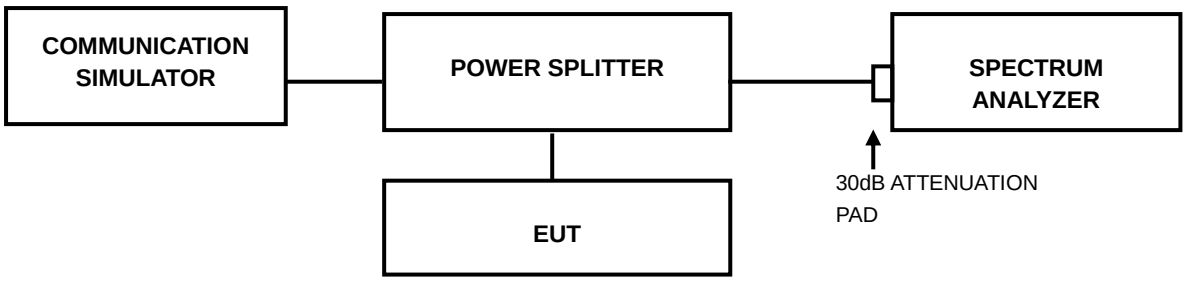
TEMP. (℃)	FREQUENCY ERROR (ppm)				LIMIT (ppm)
	LTE BAND 17		LTE BAND 4		
	5MHz	10MHz	5MHz	10MHz	
-30	-0.0042	-0.0049	-0.0009	-0.0025	2.5
-20	-0.0055	-0.0028	-0.0022	-0.0021	2.5
-10	0.0045	-0.0045	0.0012	-0.0042	2.5
0	-0.0030	0.0037	-0.0020	-0.0009	2.5
10	0.0041	0.0024	-0.0033	-0.0021	2.5
20	0.0018	-0.0052	-0.0025	0.0023	2.5
30	-0.0058	0.0048	-0.0032	-0.0033	2.5
40	-0.0035	-0.0027	-0.0012	0.0023	2.5
50	0.0066	0.0024	0.0043	0.0019	2.5

4.3 OCCUPIED BANDWIDTH MEASUREMENT

4.3.1 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.

4.3.2 TEST SETUP



4.3.3 TEST PROCEDURES

a. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

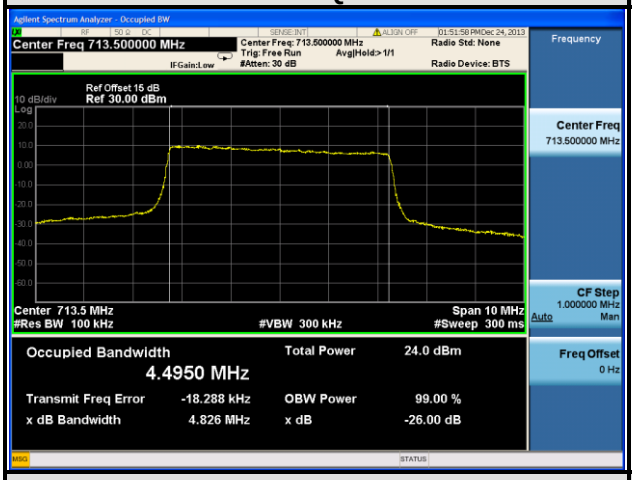
b. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

4.3.4 TEST RESULTS

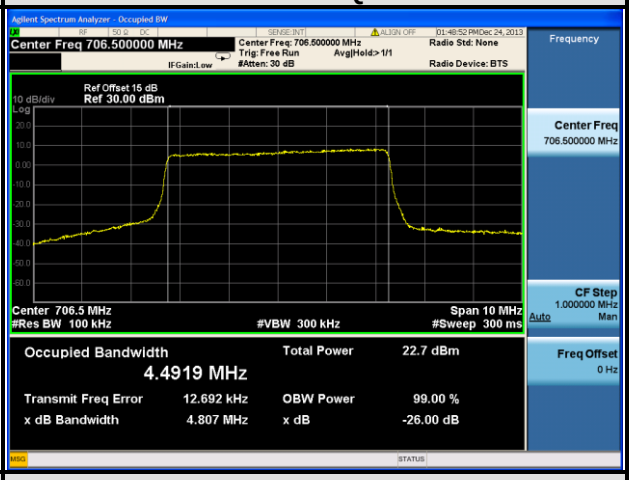
LTE BAND 17							
CHANNEL BANDWIDTH: 5MHz				CHANNEL BANDWIDTH: 10MHz			
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)		CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)	
		QPSK	16QAM			QPSK	16QAM
23755	706.5	4.4947	4.4919	23780	709.0	8.8834	8.8745
23790	710.0	4.4888	4.4824	23790	710.0	8.8659	8.8690
23825	713.5	4.4950	4.4898	23800	711.0	8.8738	8.8641

SPECTRUM PLOT OF WORST VALUE

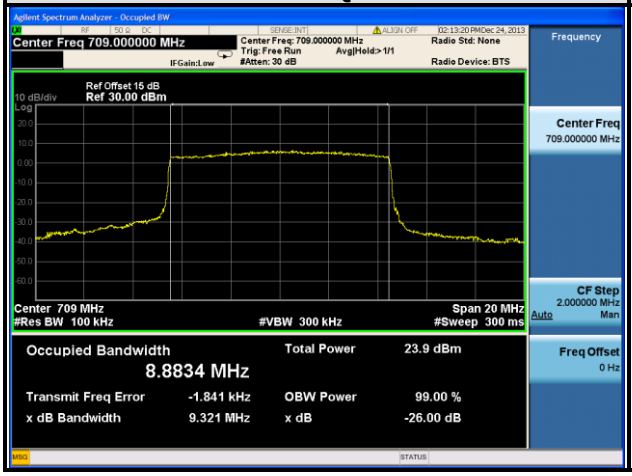
5MHz / QPSK



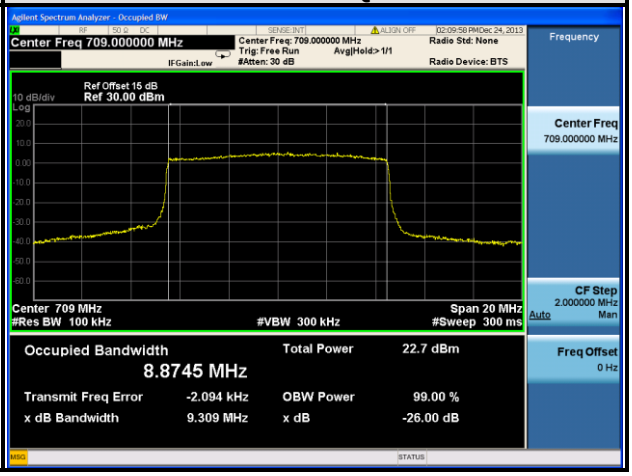
5MHz / 16QAM



10MHz / QPSK



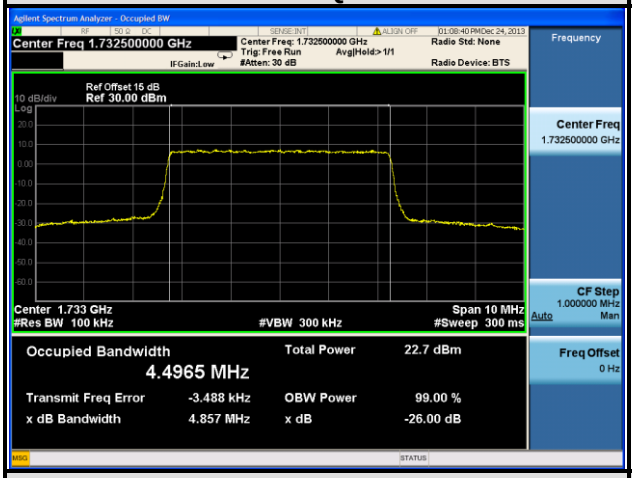
10MHz / 16QAM



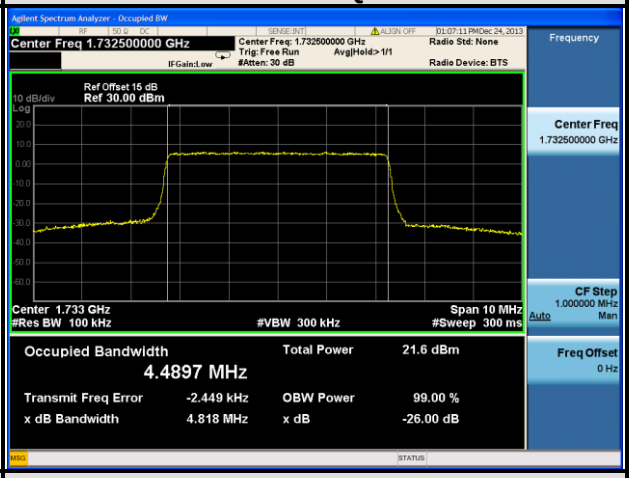
LTE BAND 4							
CHANNEL BANDWIDTH: 5MHz				CHANNEL BANDWIDTH: 10MHz			
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)		CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)	
		QPSK	16QAM			QPSK	16QAM
19975	1712.5	4.4908	4.4845	20000	1715.0	8.8951	8.8965
20175	1732.5	4.4965	4.4897	20175	1732.5	8.9232	8.9242
20375	1752.5	4.4916	4.4861	20350	1750.0	8.8934	8.9010

SPECTRUM PLOT OF WORST VALUE

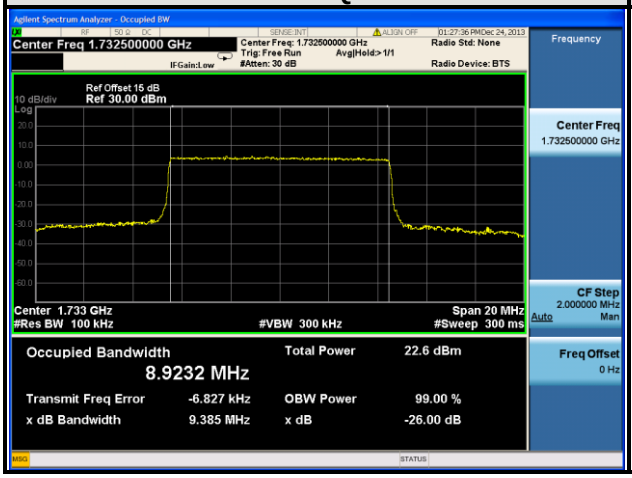
5MHz / QPSK



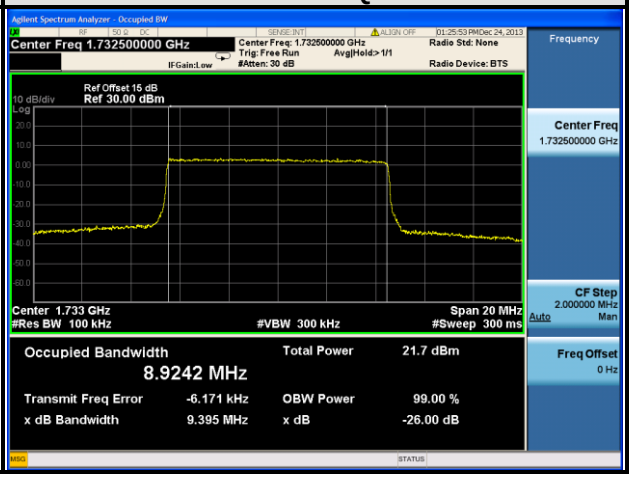
5MHz / 16QAM



10MHz / QPSK



10MHz / 16QAM

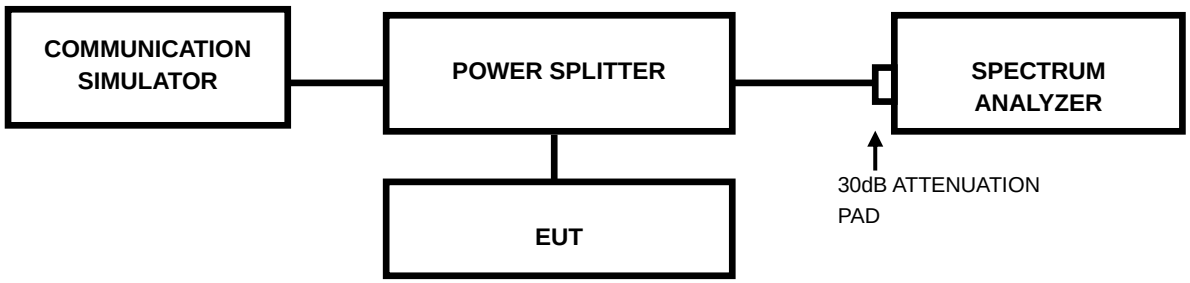


4.4 PEAK TO AVERAGE RATIO

4.4.1 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

4.4.2 TEST SETUP



4.4.3 TEST PROCEDURES

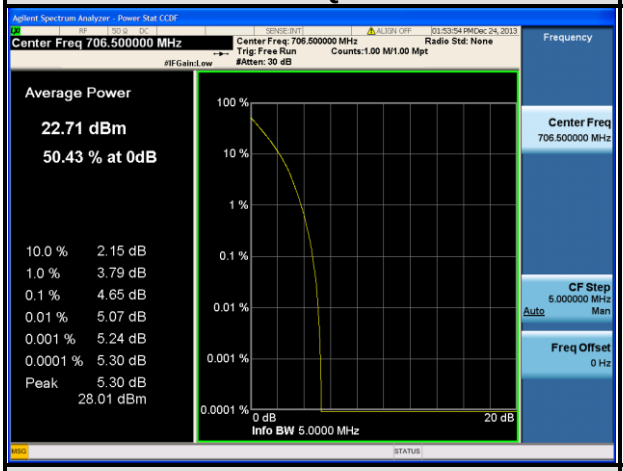
1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

4.4.4 TEST RESULTS

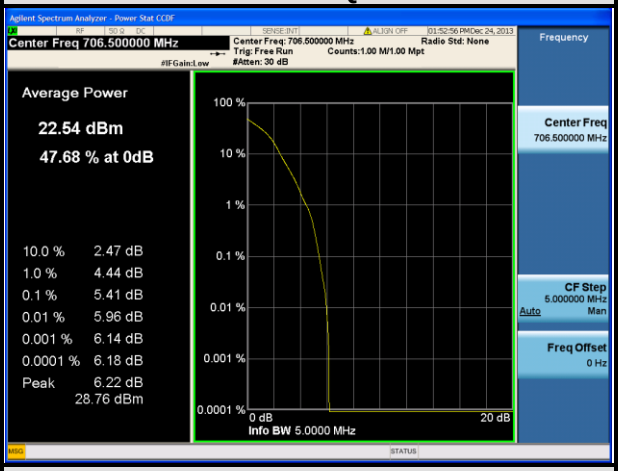
LTE BAND 17							
CHANNEL BANDWIDTH: 5MHz				CHANNEL BANDWIDTH: 10MHz			
CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)		CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM			QPSK	16QAM
23755	706.5	4.65	5.41	23780	709.0	4.69	5.38
23790	710.0	4.15	5.22	23790	710.0	4.59	5.24
23825	713.5	4.09	5.07	23800	711.0	4.51	5.21

SPECTRUM PLOT OF WORST VALUE

5MHz / QPSK

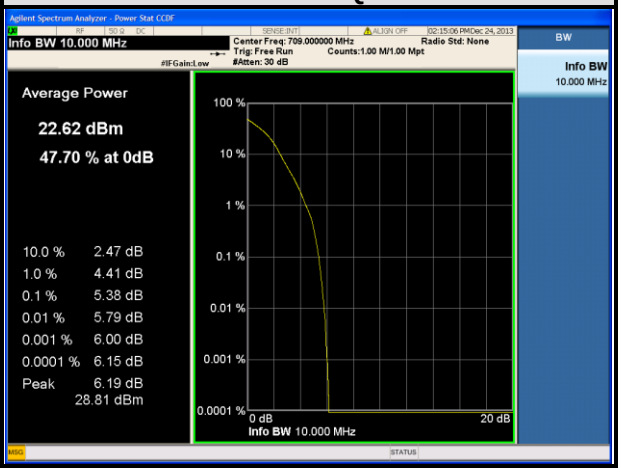


5MHz / 16QAM

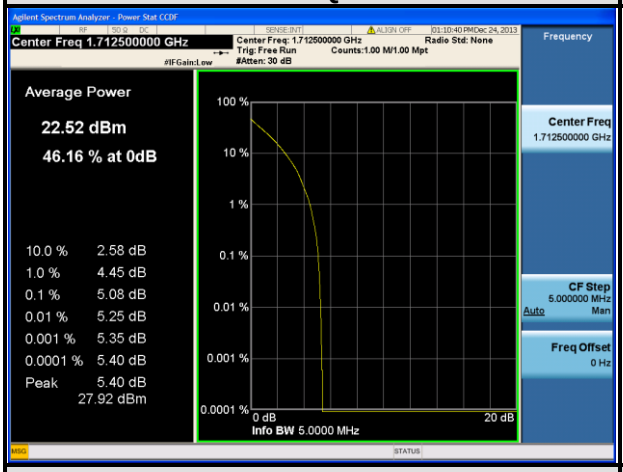
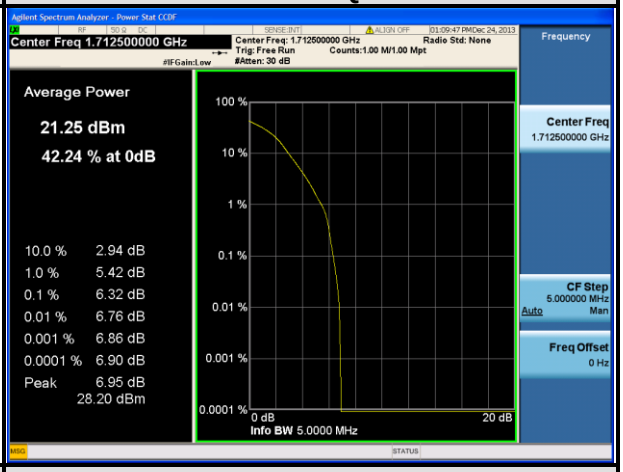
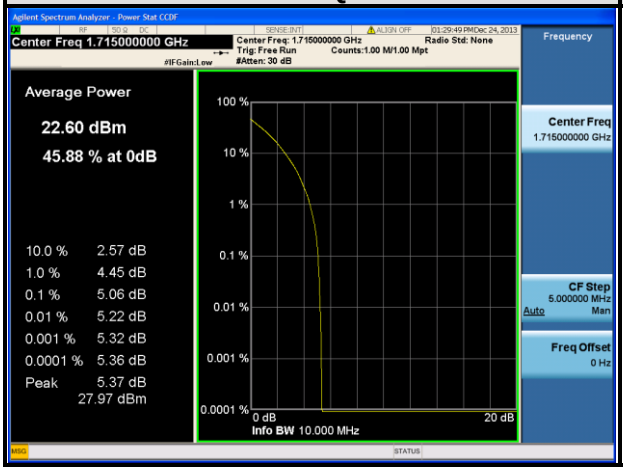
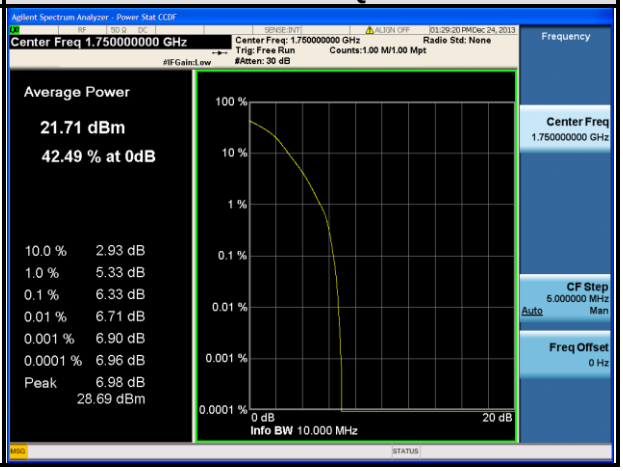


10MHz / QPSK

10MHz / 16QAM



LTE BAND 4							
CHANNEL BANDWIDTH: 5MHz				CHANNEL BANDWIDTH: 10MHz			
CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)		CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM			QPSK	16QAM
19975	1712.5	5.08	6.32	20000	1715.0	5.06	6.30
20175	1732.5	3.58	4.90	20175	1732.5	3.71	4.88
20375	1752.5	3.32	4.83	20350	1750.0	5.00	6.33

SPECTRUM PLOT OF WORST VALUE	
5MHz / QPSK	5MHz / 16QAM
	
10MHz / QPSK	10MHz / 16QAM
	

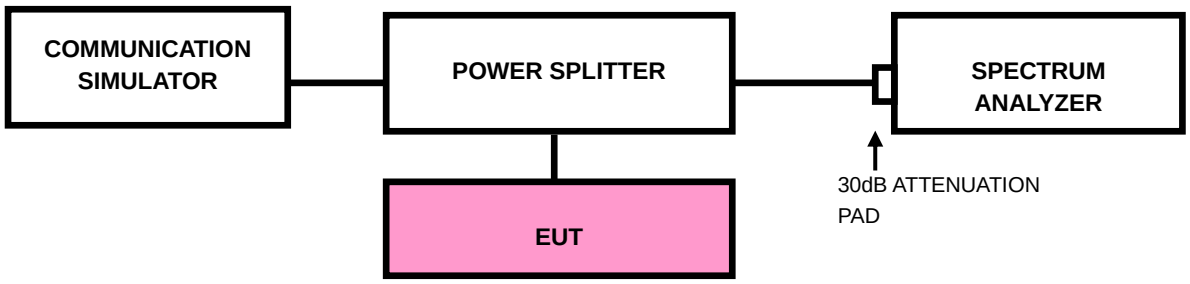
4.5 BAND EDGE MEASUREMENT

4.5.1 LIMITS OF BAND EDGE MEASUREMENT

For operations in the 704-716 MHz band, 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.

For operations in the 1710 – 1755 MHz MHz bands, 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.

4.5.2 TEST SETUP



4.5.3 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 2 MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz.

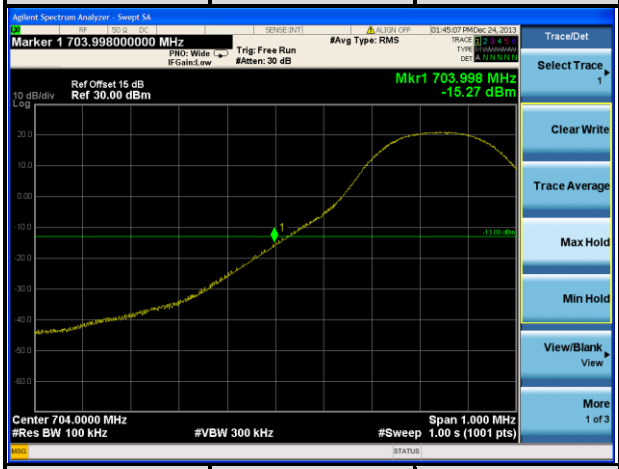
d. Record the max trace plot into the test report.

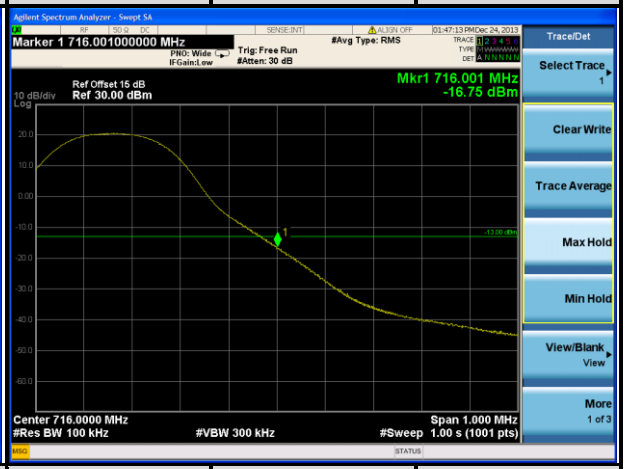
4.5.4 TEST RESULTS

LTE BAND 17

Channel Bandwidth: 5MHz

CHANNEL	23755	1 RB	CHANNEL	23825	1 RB

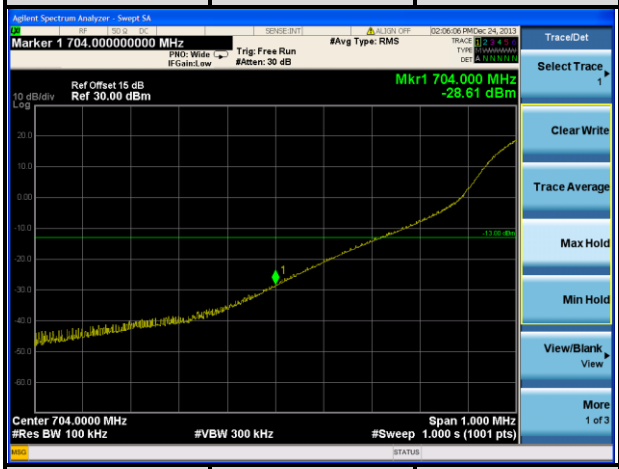


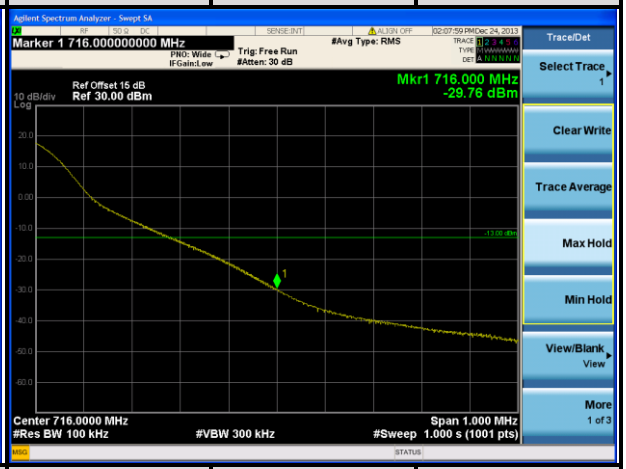


CHANNEL	23755	25 RB	CHANNEL	23825	25 RB

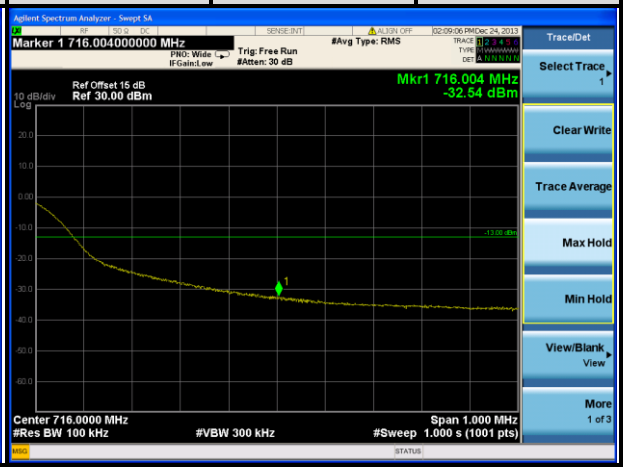
Channel Bandwidth: 10MHz

CHANNEL	23780	1 RB	CHANNEL	23800	1 RB

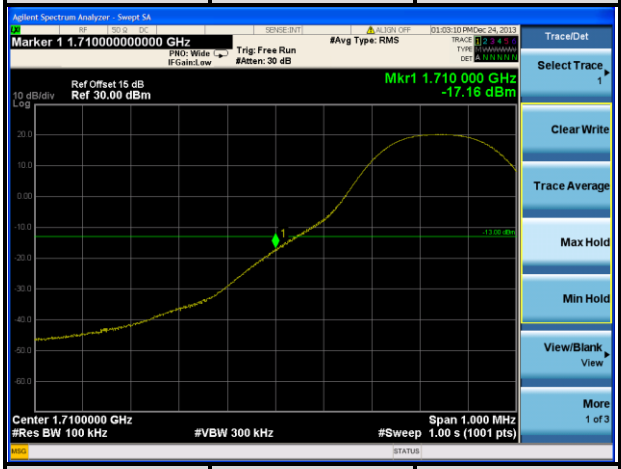
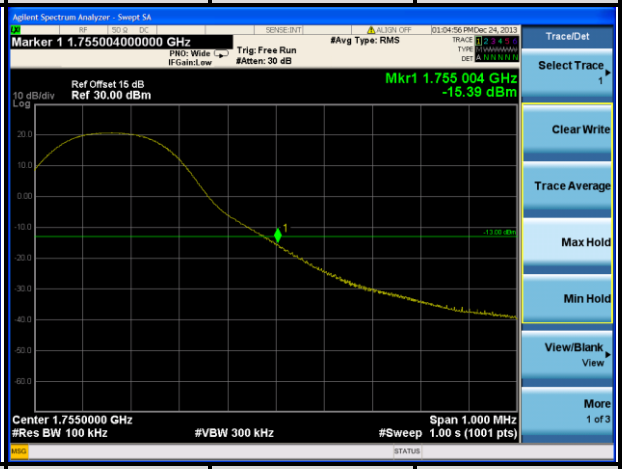
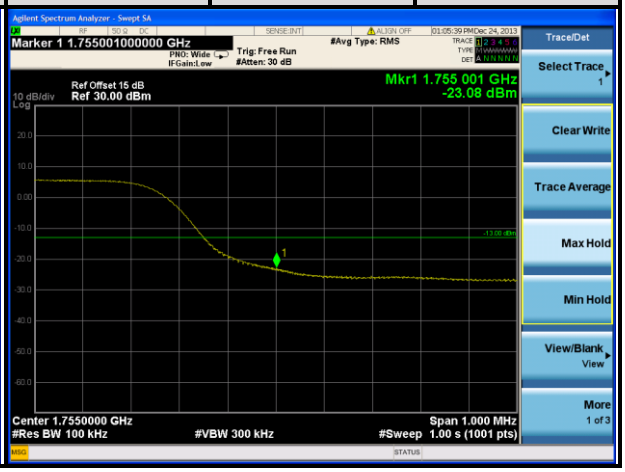




CHANNEL	23780	50 RB	CHANNEL	23800	50 RB

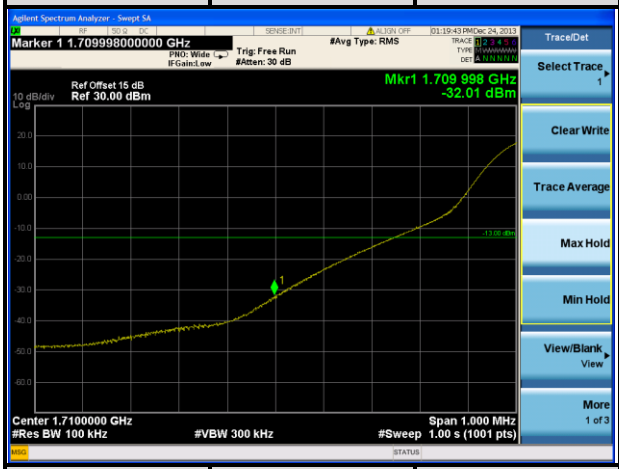


LTE BAND 4

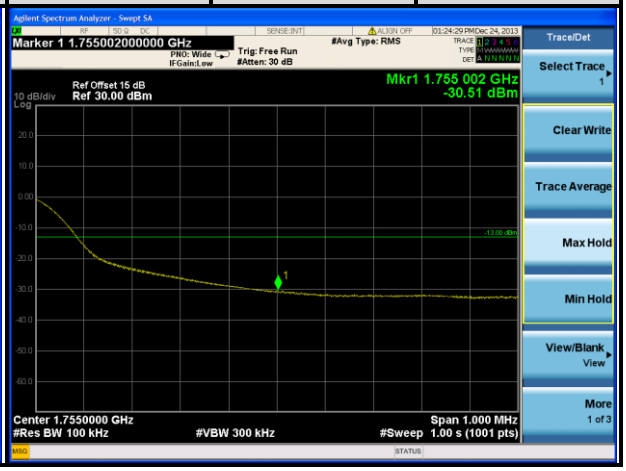
Channel Bandwidth: 5MHz					
CHANNEL	19975	1 RB	CHANNEL	20375	1 RB
					
CHANNEL	19975	25 RB	CHANNEL	20375	25 RB
					

Channel Bandwidth: 10MHz

CHANNEL	20000	1 RB	CHANNEL	20350	1 RB



CHANNEL	20000	50 RB	CHANNEL	20350	50 RB



4.6 CONDUCTED SPURIOUS EMISSIONS

4.6.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

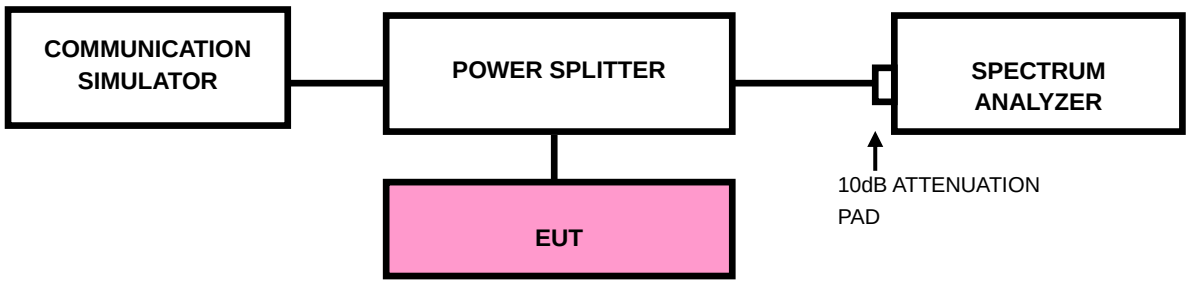
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission equal to –13dBm

4.6.2 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.

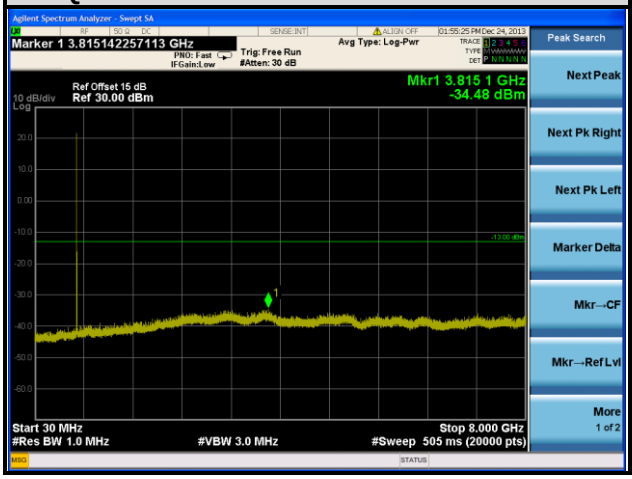
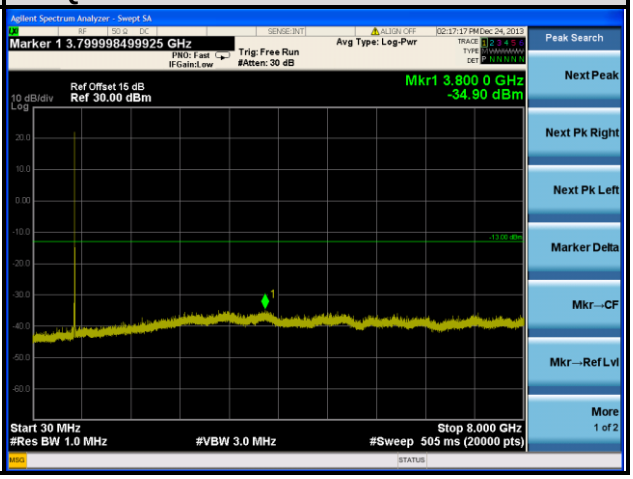
b. Measuring frequency range is from 30 MHz to 8GHz for LTE Band 17 and from 30MHz to 18GHz for LTE Band 4. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz are used for conducted emission measurement.

4.6.3 TEST SETUP

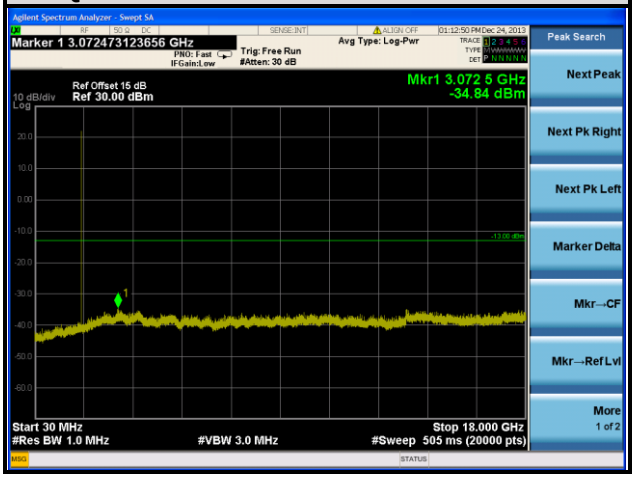
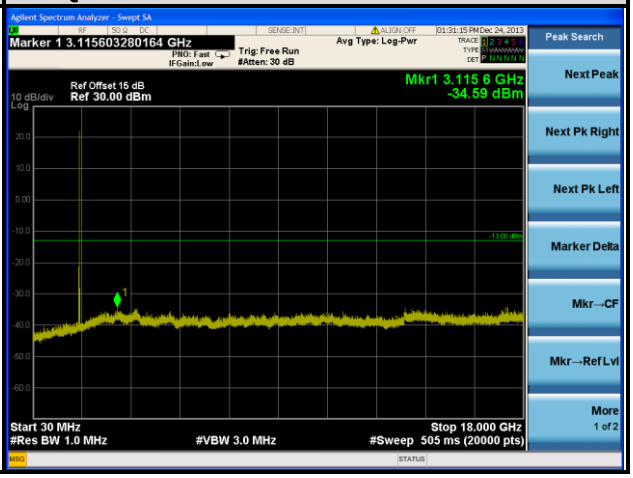


4.6.4 TEST RESULTS

LTE BAND 17

CHANNEL 23790	
Channel Bandwidth: 5MHz	**Channel Bandwidth: 10MHz**
FREQUENCY RANGE : 30MHz~8GHz	**FREQUENCY RANGE : 30MHz~8GHz**
	

LTE BAND 4

CHANNEL 20175	
Channel Bandwidth: 5MHz	**Channel Bandwidth: 10MHz**
FREQUENCY RANGE : 30MHz~18GHz	**FREQUENCY RANGE : 30MHz~18GHz**
	

4.7 RADIATED EMISSION MEASUREMENT

4.7.1 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

For operations in the 746 – 763 MHz, 775 – 793 MHz, and 805 – 806 MHz bands, emissions in the band 1559 – 1610 MHz shall be limited to − 70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

4.7.2 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.

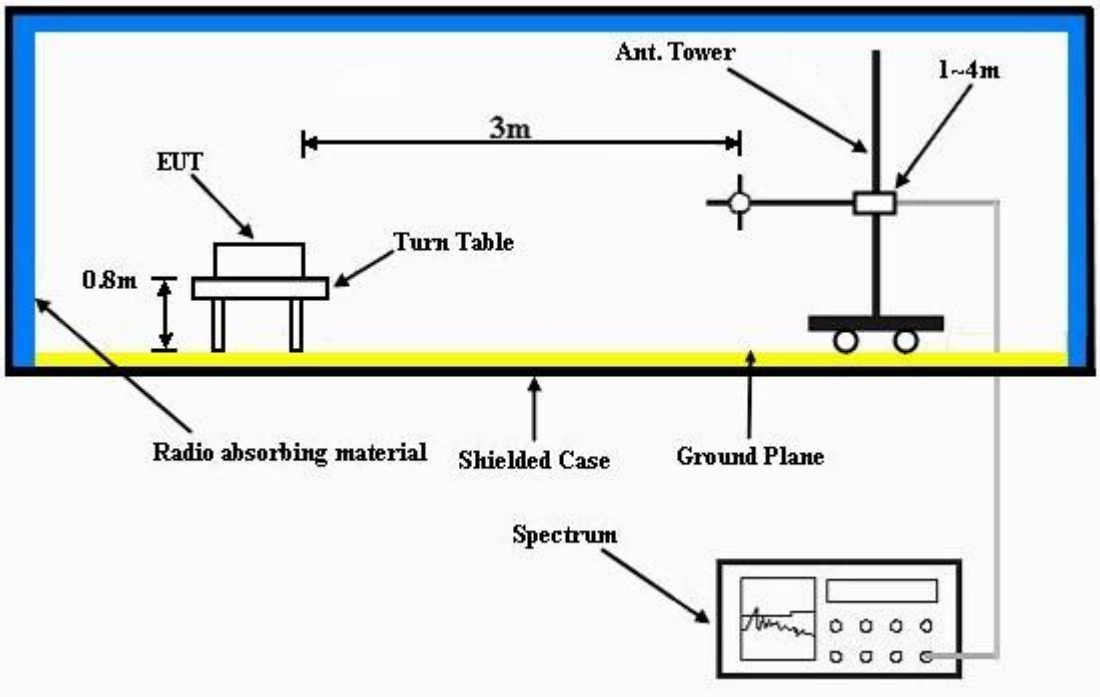
d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15dBi.

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

4.7.3 DEVIATION FROM TEST STANDARD

No deviation

4.7.4 TEST SETUP



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

4.7.5 TEST RESULTS

MODE A

LTE BAND 17

CHANNEL BANDWIDTH: 5MHZ / QPSK

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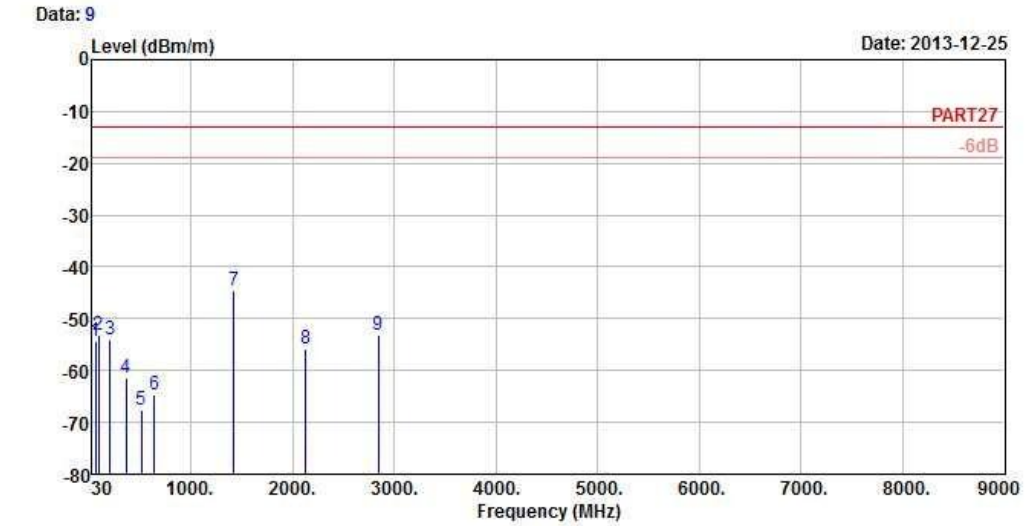
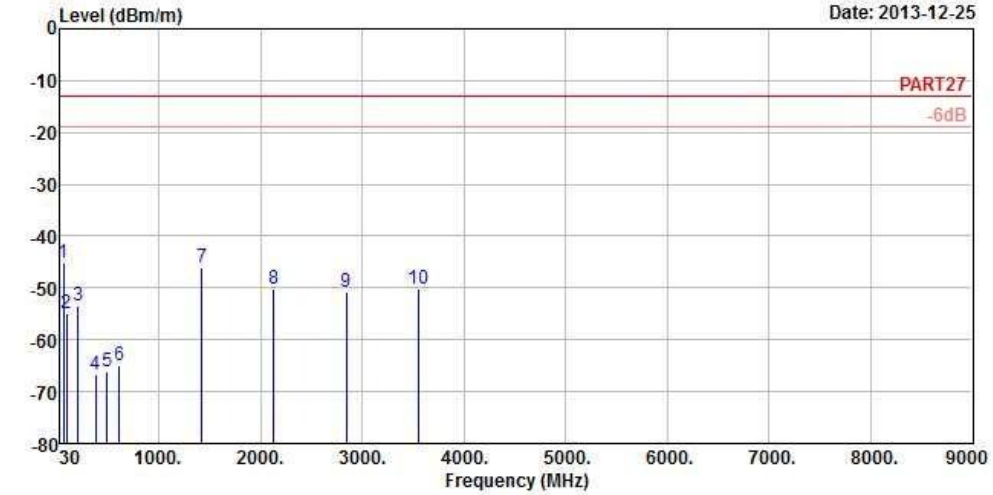


Site : 966 Chamber 5
Condition : PART27 3m HORIZONTAL
Brand/Model: A91
Remark : LTE Band 17_5M QPSK(1,12) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : X

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	62.94	-54.34	-47.27	-13.00	-41.34	-7.07	Peak
2	94.53	-53.20	-42.71	-13.00	-40.20	-10.49	Peak
3	206.31	-54.17	-46.53	-13.00	-41.17	-7.64	Peak
4	366.50	-61.46	-55.58	-13.00	-48.46	-5.88	Peak
5	512.80	-67.72	-64.98	-13.00	-54.72	-2.74	Peak
6	642.30	-64.59	-64.99	-13.00	-51.59	0.40	Peak
7 pp	1420.00	-44.55	-30.96	-13.00	-31.55	-13.59	Peak
8	2130.00	-55.83	-44.11	-13.00	-42.83	-11.72	Peak
9	2840.00	-53.27	-43.53	-13.00	-40.27	-9.74	Peak

Data: 10



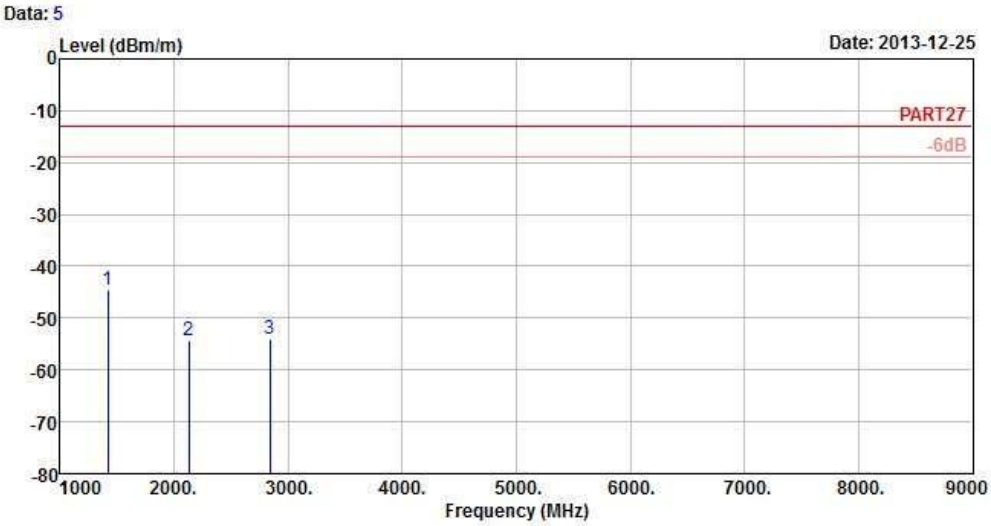
Site : 966 Chamber 5
Condition : PART27 3m VERTICAL
Brand/Model: A91
Remark : LTE Band 17_5M QPSK(1,12) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : X

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1 pp	64.02	-45.13	-37.73	-13.00	-32.13	-7.40	Peak
2	93.72	-54.79	-44.28	-13.00	-41.79	-10.51	Peak
3	206.58	-53.55	-45.91	-13.00	-40.55	-7.64	Peak
4	379.10	-66.84	-61.05	-13.00	-53.84	-5.79	Peak
5	489.70	-66.09	-62.73	-13.00	-53.09	-3.36	Peak
6	612.90	-64.91	-64.79	-13.00	-51.91	-0.12	Peak
7	1420.00	-46.16	-32.57	-13.00	-33.16	-13.59	Peak
8	2130.00	-50.30	-38.58	-13.00	-37.30	-11.72	Peak
9	2840.00	-50.80	-41.06	-13.00	-37.80	-9.74	Peak
10	3550.00	-50.10	-41.26	-13.00	-37.10	-8.84	Peak

LTE BAND 17

CHANNEL BANDWIDTH: 10MHZ / QPSK

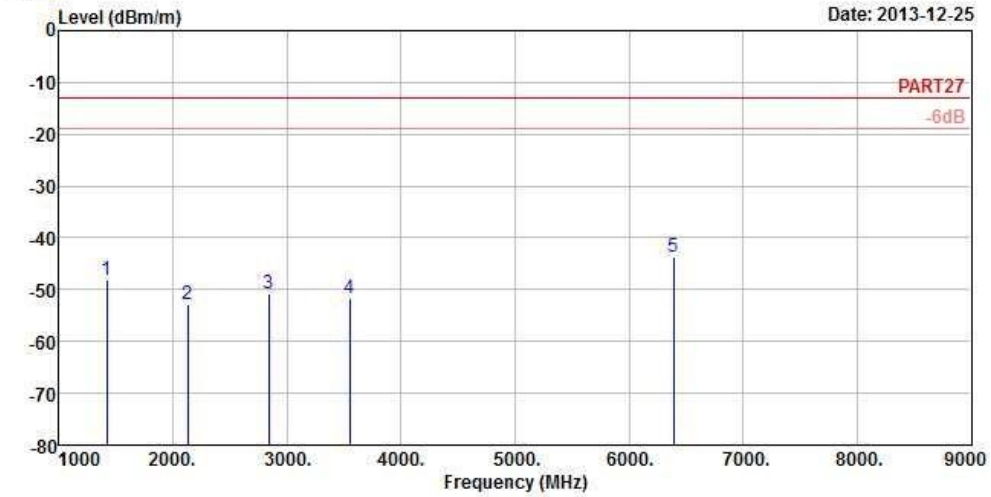
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition : PART27 3m HORIZONTAL
Brand/Model: A91
Remark : LTE Band 17_10M QPSK(1,24) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : X

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1 pp	1420.00	-44.62	-31.03	-13.00	-31.62	-13.59	Peak
2	2130.00	-54.46	-42.74	-13.00	-41.46	-11.72	Peak
3	2840.00	-53.98	-44.24	-13.00	-40.98	-9.74	Peak

Data: 6

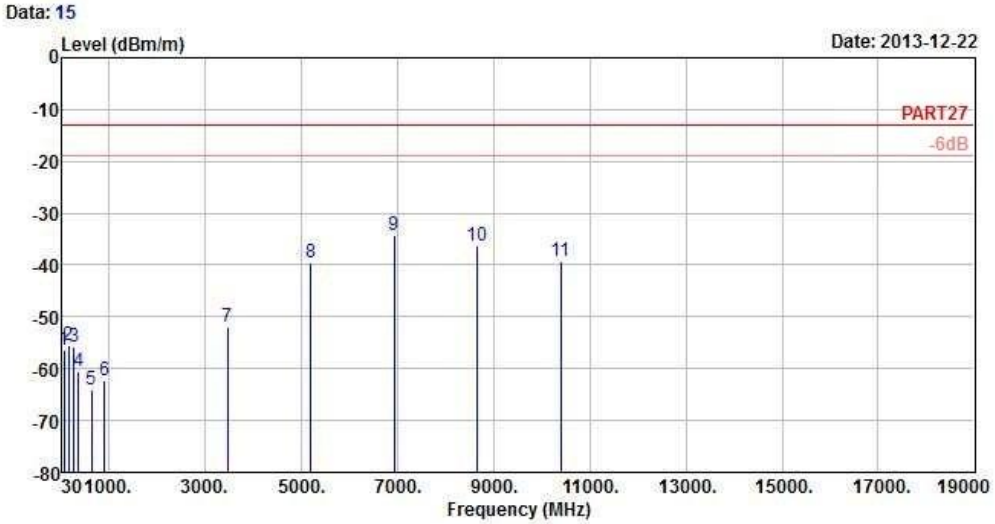


Site : 966 Chamber 5
Condition : PART27 3m VERTICAL
Brand/Model: A91
Remark : LTE Band 17_10M QPSK(1,24) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : X

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	1420.00	-48.01	-34.42	-13.00	-35.01	-13.59	Peak
2	2130.00	-52.88	-41.16	-13.00	-39.88	-11.72	Peak
3	2840.00	-50.78	-41.04	-13.00	-37.78	-9.74	Peak
4	3550.00	-51.72	-42.88	-13.00	-38.72	-8.84	Peak
5 pp	6390.00	-43.80	-44.69	-13.00	-30.80	0.89	Peak

LTE BAND 4
CHANNEL BANDWIDTH: 5MHZ / QPSK

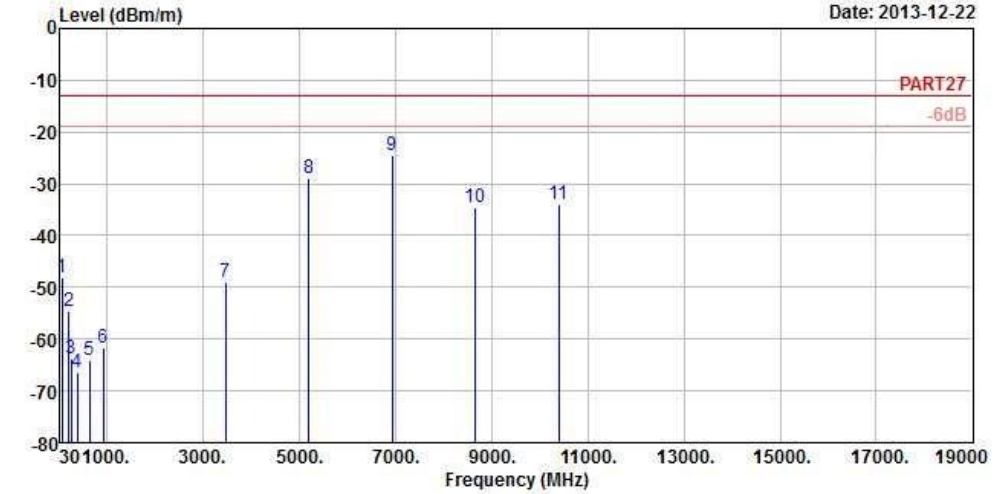
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition : PART27 3m HORIZONTAL
Brand/Model: A91
Remark : LTE Band 4_5M QPSK(1,12) Link
Tested by : Kay wu
Temprature : 25℃
Humidity : 65%
Plane : Y

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		62.94	-56.52	-49.45	-13.00	-43.52	-7.07	Peak
2		166.89	-55.62	-48.98	-13.00	-42.62	-6.64	Peak
3		274.35	-55.68	-49.66	-13.00	-42.68	-6.02	Peak
4		370.00	-60.40	-54.54	-13.00	-47.40	-5.86	Peak
5		633.90	-64.05	-64.31	-13.00	-51.05	0.26	Peak
6		916.70	-62.22	-65.25	-13.00	-49.22	3.03	Peak
7		3465.00	-51.98	-42.96	-13.00	-38.98	-9.02	Peak
8		5197.50	-39.51	-36.45	-13.00	-26.51	-3.06	Peak
9	pp	6930.00	-34.19	-36.49	-13.00	-21.19	2.30	Peak
10		8662.50	-36.21	-41.16	-13.00	-23.21	4.95	Peak
11		10395.00	-39.29	-46.42	-13.00	-26.29	7.13	Peak

Data: 16

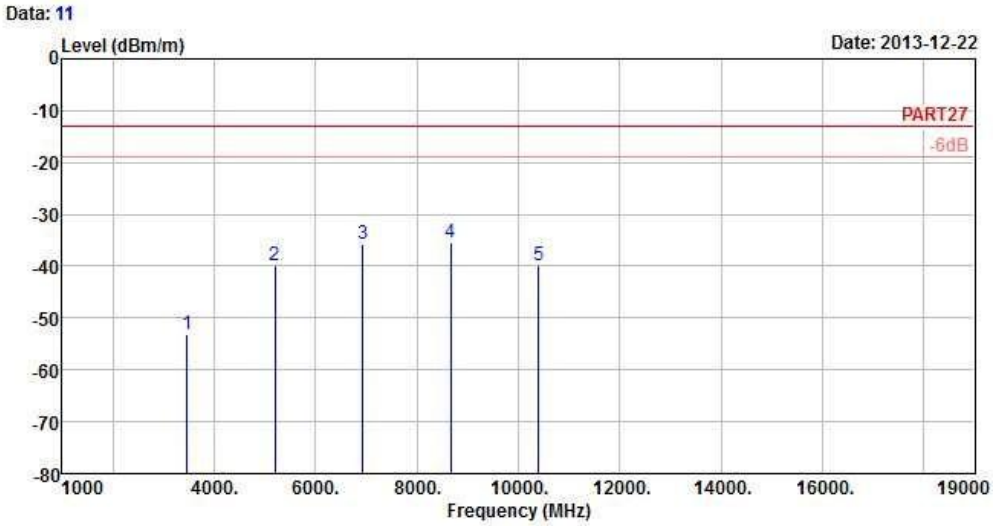


Site : 966 Chamber 5
Condition : PART27 3m VERTICAL
Brand/Model: A91
Remark : LTE Band 4_5M QPSK(1,12) Link
Tested by : Kay wu
Temprature : 25℃
Humidity : 65%
Plane : Y

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		64.29	-48.25	-40.85	-13.00	-35.25	-7.40	Peak
2		207.12	-54.55	-46.95	-13.00	-41.55	-7.60	Peak
3		260.31	-63.75	-57.93	-13.00	-50.75	-5.82	Peak
4		381.90	-66.38	-60.61	-13.00	-53.38	-5.77	Peak
5		643.70	-64.18	-64.62	-13.00	-51.18	0.44	Peak
6		924.40	-61.79	-64.97	-13.00	-48.79	3.18	Peak
7		3465.00	-48.92	-39.90	-13.00	-35.92	-9.02	Peak
8		5197.50	-29.04	-25.98	-13.00	-16.04	-3.06	Peak
9	pp	6930.00	-24.54	-26.84	-13.00	-11.54	2.30	Peak
10		8662.50	-34.56	-39.51	-13.00	-21.56	4.95	Peak
11		10395.00	-34.04	-41.17	-13.00	-21.04	7.13	Peak

LTE BAND 4
CHANNEL BANDWIDTH: 10MHZ / QPSK

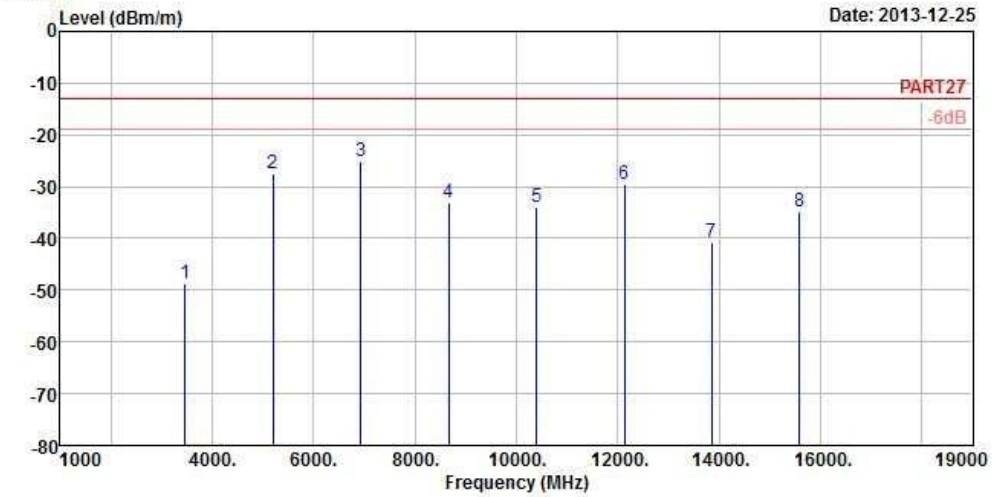
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition : PART27 3m HORIZONTAL
Brand/Model: A91
Remark : LTE Band 4_10M QPSK(1,24) Link
Tested by : Kay wu
Temprature : 25℃
Humidity : 65%
Plane : Y

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	3465.00	-53.20	-44.18	-13.00	-40.20	-9.02	Peak
2	5197.50	-39.96	-36.90	-13.00	-26.96	-3.06	Peak
3	6930.00	-35.61	-37.91	-13.00	-22.61	2.30	Peak
4 pp	8662.50	-35.29	-40.24	-13.00	-22.29	4.95	Peak
5	10395.00	-39.79	-46.92	-13.00	-26.79	7.13	Peak

Data: 12



Site : 966 Chamber 5
Condition : PART27 3m VERTICAL
Brand/Model: A91
Remark : LTE Band 4_10M QPSK(1,24) Link
Tested by : Kay wu
Temprature : 25℃
Humidity : 65%
Plane : Y

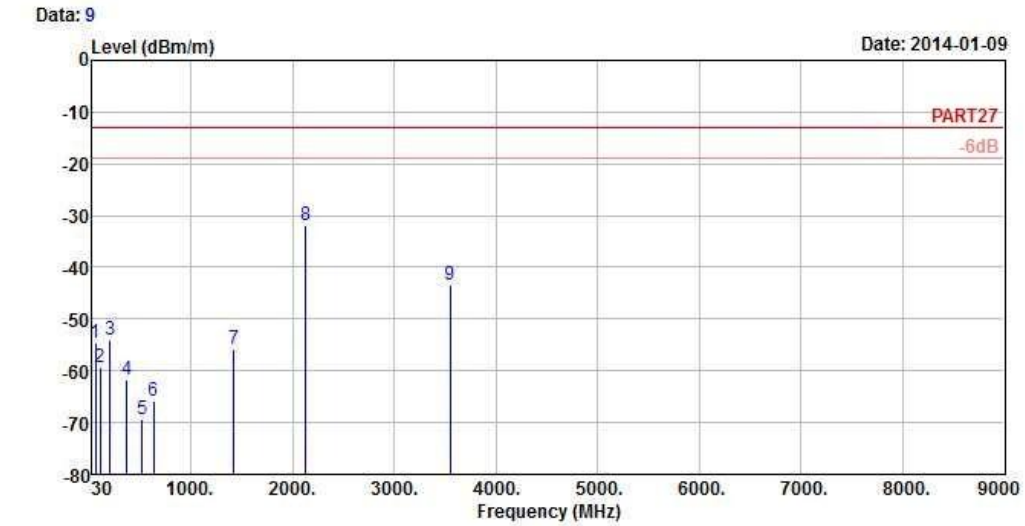
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	3465.00	-48.70	-39.68	-13.00	-35.70	-9.02	Peak
2	5197.50	-27.59	-24.53	-13.00	-14.59	-3.06	Peak
3 pp	6930.00	-25.06	-27.36	-13.00	-12.06	2.30	Peak
4	8662.50	-33.06	-38.01	-13.00	-20.06	4.95	Peak
5	10395.00	-33.94	-41.07	-13.00	-20.94	7.13	Peak
6	12127.50	-29.62	-38.03	-13.00	-16.62	8.41	Peak
7	13860.00	-40.77	-48.64	-13.00	-27.77	7.87	Peak
8	15592.50	-34.74	-43.30	-13.00	-21.74	8.56	Peak

MODE B

LTE BAND 17

CHANNEL BANDWIDTH: 5MHZ / QPSK

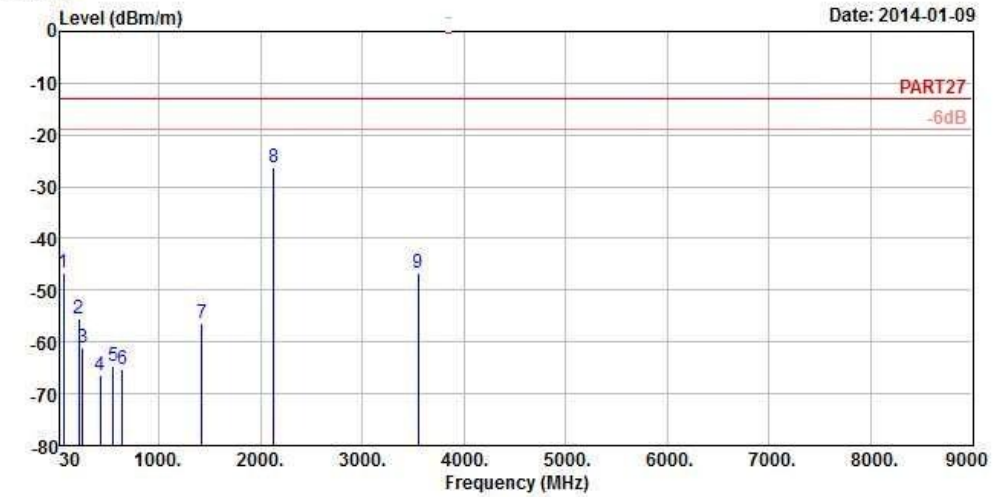
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition : PART27 3m HORIZONTAL
Brand/Model: A91 (Phone+Pad)
Remark : LTE Band 17_5M QPSK(1,12) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	62.67	-54.49	-47.42	-13.00	-41.49	-7.07	Peak
2	107.76	-59.31	-48.74	-13.00	-46.31	-10.57	Peak
3	206.31	-54.17	-46.53	-13.00	-41.17	-7.64	Peak
4	367.20	-61.69	-55.81	-13.00	-48.69	-5.88	Peak
5	521.90	-69.43	-66.93	-13.00	-56.43	-2.50	Peak
6	633.20	-65.69	-65.93	-13.00	-52.69	0.24	Peak
7	1420.00	-55.88	-42.29	-13.00	-42.88	-13.59	Peak
8 pp	2130.00	-31.76	-20.04	-13.00	-18.76	-11.72	Peak
9	3550.00	-43.39	-34.55	-13.00	-30.39	-8.84	Peak

Data: 10



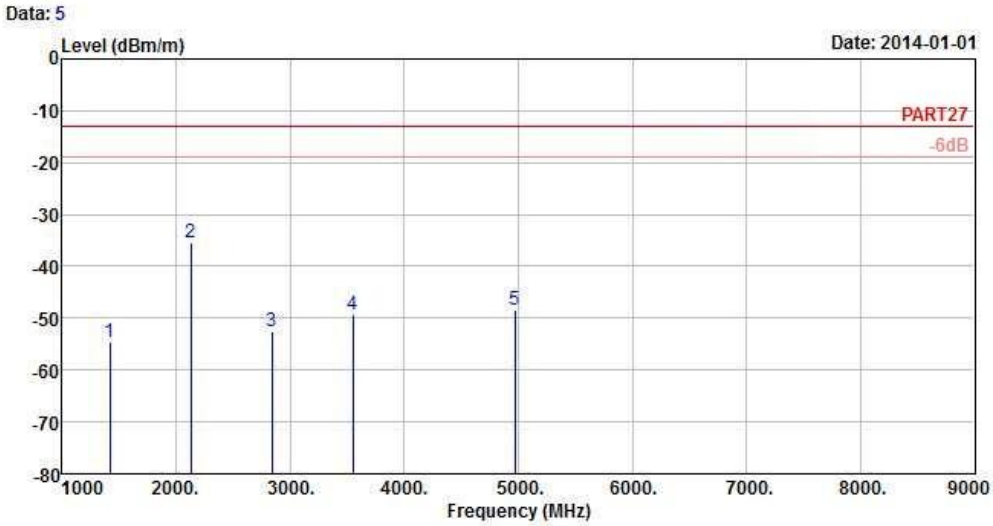
Site : 966 Chamber 5
Condition : PART27 3m VERTICAL
Brand/Model: A91 (Phone+Pad)
Remark : LTE Band 17_5M QPSK(1,12) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	62.13	-46.77	-40.02	-13.00	-33.77	-6.75	Peak
2	211.17	-55.51	-48.08	-13.00	-42.51	-7.43	Peak
3	253.83	-61.15	-55.42	-13.00	-48.15	-5.73	Peak
4	424.60	-66.33	-61.33	-13.00	-53.33	-5.00	Peak
5	547.10	-64.60	-62.79	-13.00	-51.60	-1.81	Peak
6	640.90	-65.34	-65.72	-13.00	-52.34	0.38	Peak
7	1420.00	-56.44	-42.85	-13.00	-43.44	-13.59	Peak
8 pp	2130.00	-26.37	-14.65	-13.00	-13.37	-11.72	Peak
9	3550.00	-46.58	-37.74	-13.00	-33.58	-8.84	Peak

LTE BAND 17

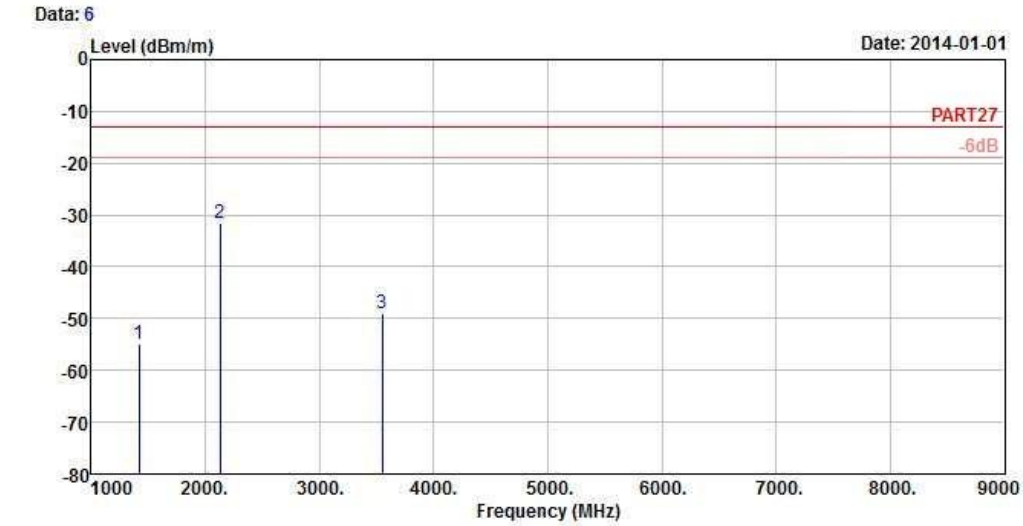
CHANNEL BANDWIDTH: 10MHZ / QPSK

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition : PART27 3m HORIZONTAL
Brand/Model: A91 (Phone+Pad)
Remark : LTE Band 17_10M QPSK(1,24) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	1420.00	-54.61	-41.02	-13.00	-41.61	-13.59	Peak
2 pp	2130.00	-35.42	-23.70	-13.00	-22.42	-11.72	Peak
3	2840.00	-52.68	-42.94	-13.00	-39.68	-9.74	Peak
4	3550.00	-49.38	-40.54	-13.00	-36.38	-8.84	Peak
5	4970.00	-48.45	-45.35	-13.00	-35.45	-3.10	Peak

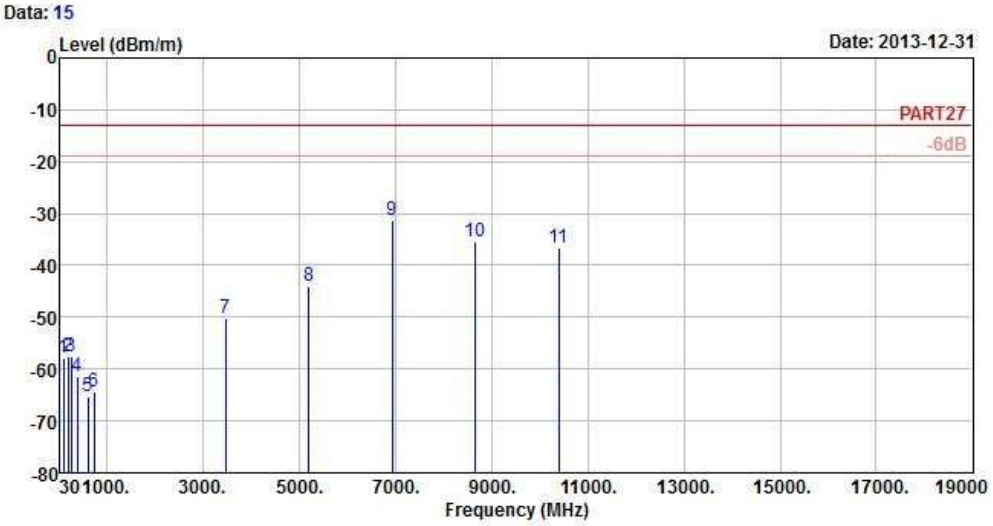


Site : 966 Chamber 5
Condition : PART27 3m VERTICAL
Brand/Model: A91 (Phone+Pad)
Remark : LTE Band 17_10M QPSK(1,24) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : Z

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	1420.00	-54.97	-41.38	-13.00	-41.97	-13.59	Peak
2 pp	2130.00	-31.71	-19.99	-13.00	-18.71	-11.72	Peak
3	3550.00	-49.14	-40.30	-13.00	-36.14	-8.84	Peak

LTE BAND 4
CHANNEL BANDWIDTH: 5MHZ / QPSK

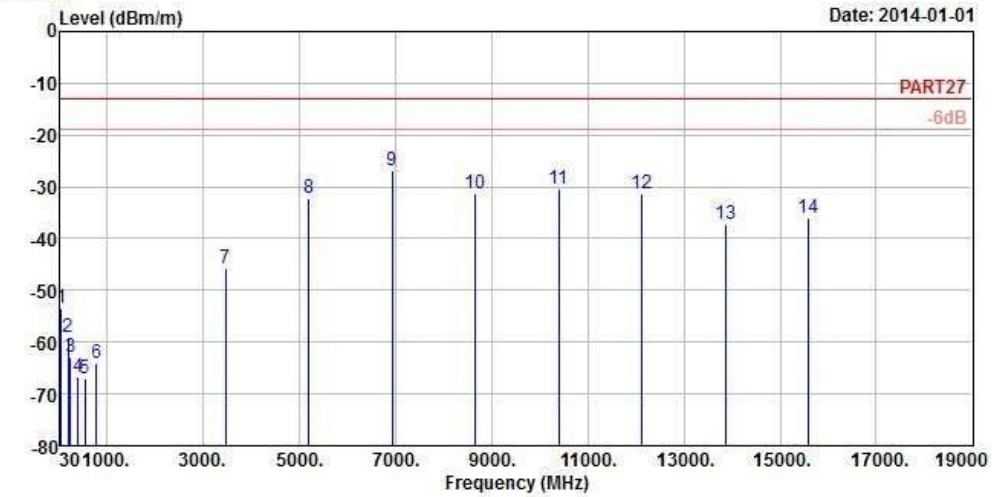
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition : PART27 3m HORIZONTAL
Brand/Model: A91 (Phone+Pad)
Remark : LTE Band 4_5M QPSK(1,12) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : Y

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		98.58	-57.99	-47.57	-13.00	-44.99	-10.42	Peak
2		199.83	-57.64	-49.69	-13.00	-44.64	-7.95	Peak
3		261.39	-57.67	-51.83	-13.00	-44.67	-5.84	Peak
4		382.60	-61.34	-55.58	-13.00	-48.34	-5.76	Peak
5		610.80	-65.12	-64.96	-13.00	-52.12	-0.16	Peak
6		735.40	-64.48	-66.17	-13.00	-51.48	1.69	Peak
7		3465.00	-50.18	-41.16	-13.00	-37.18	-9.02	Peak
8		5197.50	-44.01	-40.95	-13.00	-31.01	-3.06	Peak
9	pp	6930.00	-31.18	-33.48	-13.00	-18.18	2.30	Peak
10		8662.50	-35.47	-40.42	-13.00	-22.47	4.95	Peak
11		10395.00	-36.66	-43.79	-13.00	-23.66	7.13	Peak

Data: 16

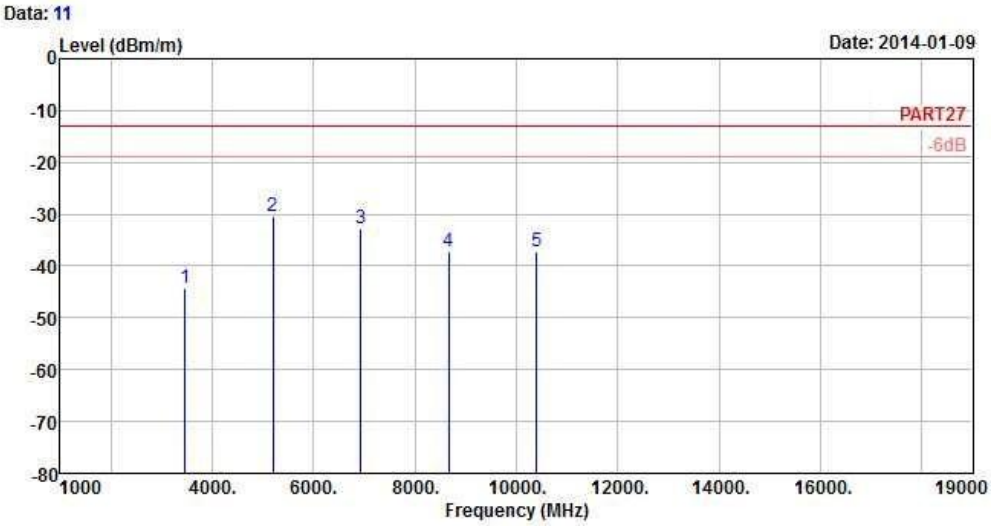


Site : 966 Chamber 5
Condition : PART27 3m VERTICAL
Brand/Model: A91 (Phone+Pad)
Remark : LTE Band 4_5M QPSK(1,12) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : Y

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		51.06	-53.49	-48.74	-13.00	-40.49	-4.75	Peak
2		199.83	-59.17	-51.22	-13.00	-46.17	-7.95	Peak
3		248.97	-62.78	-57.06	-13.00	-49.78	-5.72	Peak
4		393.80	-66.85	-61.17	-13.00	-53.85	-5.68	Peak
5		549.90	-66.99	-65.26	-13.00	-53.99	-1.73	Peak
6		777.40	-64.14	-66.12	-13.00	-51.14	1.98	Peak
7		3465.00	-45.74	-36.72	-13.00	-32.74	-9.02	Peak
8		5197.50	-32.31	-29.25	-13.00	-19.31	-3.06	Peak
9	pp	6930.00	-26.96	-29.26	-13.00	-13.96	2.30	Peak
10		8662.50	-31.38	-36.33	-13.00	-18.38	4.95	Peak
11		10395.00	-30.43	-37.56	-13.00	-17.43	7.13	Peak
12		12127.50	-31.28	-39.69	-13.00	-18.28	8.41	Peak
13		13860.00	-37.19	-45.06	-13.00	-24.19	7.87	Peak
14		15592.50	-36.12	-44.68	-13.00	-23.12	8.56	Peak

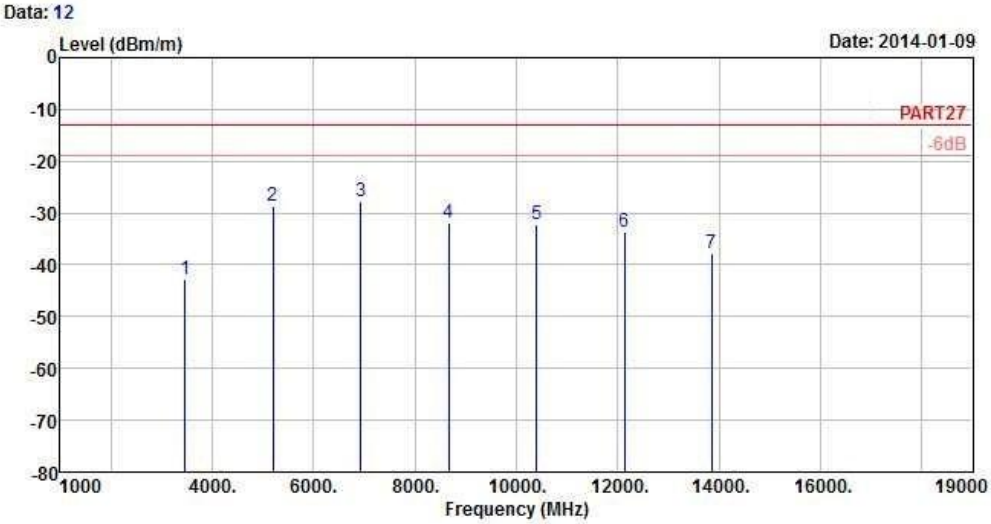
LTE BAND 4
CHANNEL BANDWIDTH: 10MHZ / QPSK

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition : PART27_3m HORIZONTAL
Brand/Model: A91 (Phone+Pad)
Remark : LTE Band 4_10M QPSK(1,24) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : Y

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	3465.00	-44.15	-35.13	-13.00	-31.15	-9.02	Peak
2 pp	5197.50	-30.51	-27.45	-13.00	-17.51	-3.06	Peak
3	6930.00	-32.79	-35.09	-13.00	-19.79	2.30	Peak
4	8662.50	-37.06	-42.01	-13.00	-24.06	4.95	Peak
5	10395.00	-37.09	-44.22	-13.00	-24.09	7.13	Peak



Site : 966 Chamber 5
Condition : PART27 3m VERTICAL
Brand/Model: A91 (Phone+Pad)
Remark : LTE Band 4_10M QPSK(1,24) Link
Tested by : Anson Lin
Temprature : 25℃
Humidity : 65%
Plane : Y

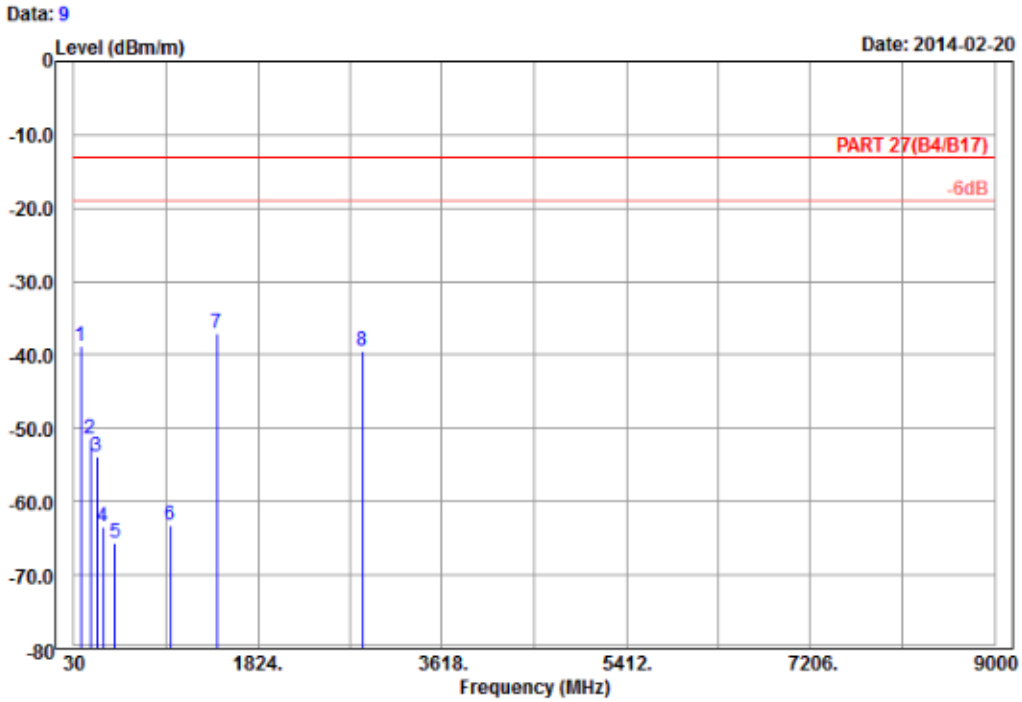
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	3465.00	-42.93	-33.91	-13.00	-29.93	-9.02	Peak
2	5197.50	-28.62	-25.56	-13.00	-15.62	-3.06	Peak
3 pp	6930.00	-27.65	-29.95	-13.00	-14.65	2.30	Peak
4	8662.50	-31.79	-36.74	-13.00	-18.79	4.95	Peak
5	10395.00	-32.04	-39.17	-13.00	-19.04	7.13	Peak
6	12127.50	-33.58	-41.99	-13.00	-20.58	8.41	Peak
7	13860.00	-37.70	-45.57	-13.00	-24.70	7.87	Peak

MODE C

LTE BAND 17

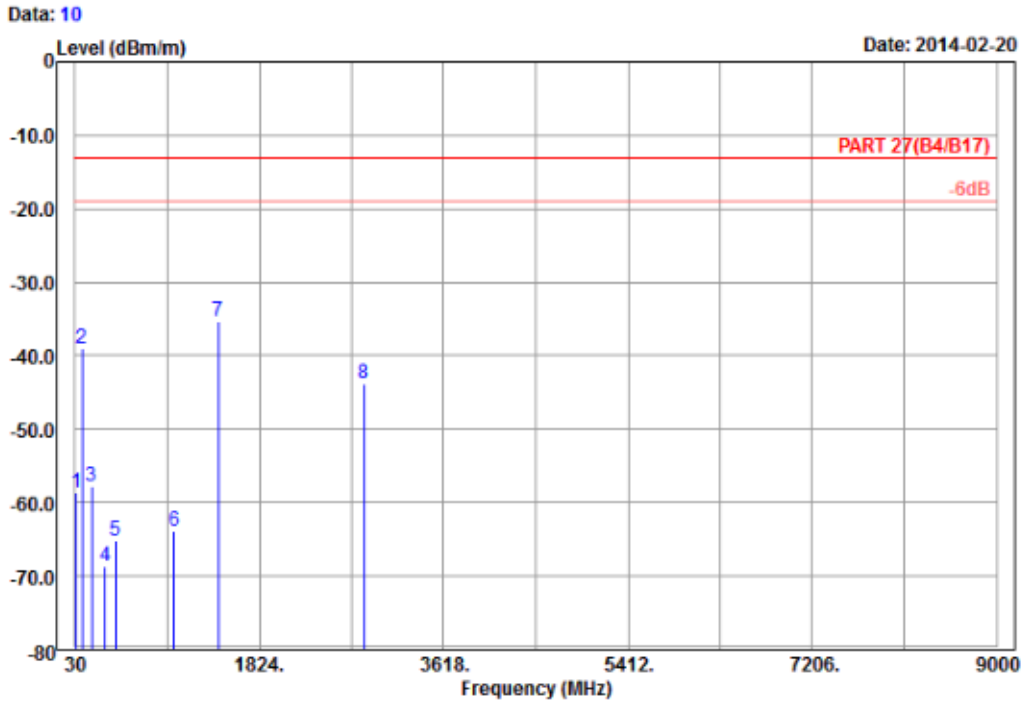
CHANNEL BANDWIDTH: 10MHZ / QPSK

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 chamber 5
Condition : PART 27(B4/B17) 3m Horizontal
Brand/Model: A91_2nd
Remark : LTE_Band 17 10M Link_CH23790
Tested by : Dylan Yang
Plane : X

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	98.04	-38.79	-28.56	-13.00	-25.79	-10.23	Peak
2	192.27	-51.51	-45.69	-13.00	-38.51	-5.82	Peak
3	250.59	-53.81	-48.30	-13.00	-40.81	-5.51	Peak
4	316.80	-63.51	-57.75	-13.00	-50.51	-5.76	Peak
5	433.70	-65.57	-62.09	-13.00	-52.57	-3.48	Peak
6	969.90	-63.32	-68.49	-13.00	-50.32	5.17	Peak
7 pp	1420.00	-36.95	-43.31	-13.00	-23.95	6.36	Peak
8	2840.00	-39.43	-52.40	-13.00	-26.43	12.97	Peak



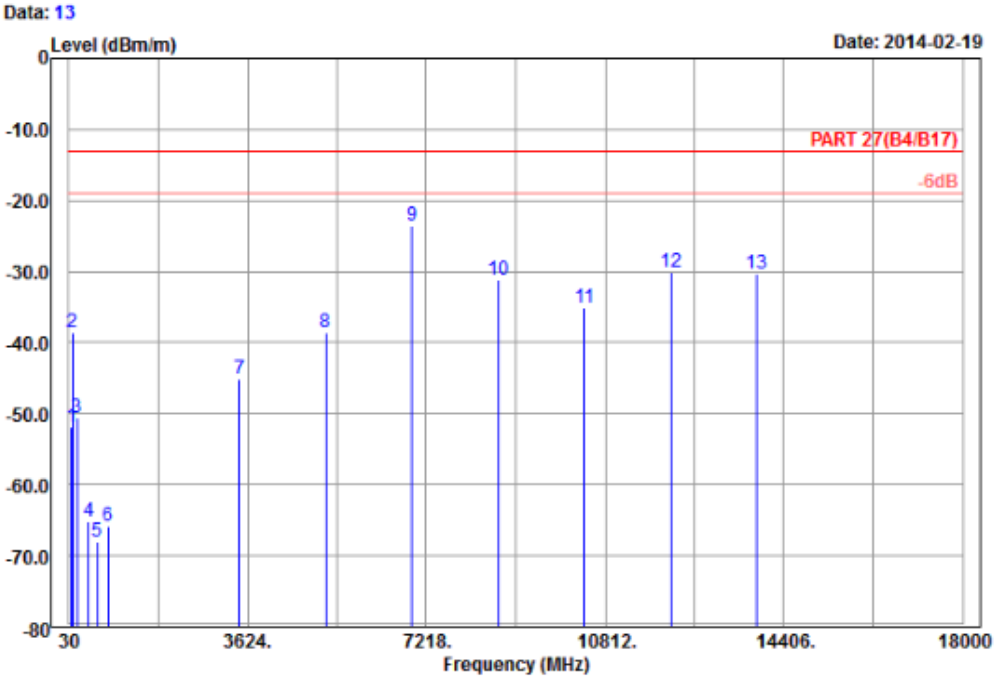
Site : 966 chamber 5
Condition : PART 27(B4/B17) 3m Vertical
Brand/Model: A91_2nd
Remark : LTE_Band 17 10M Link_CH23790
Tested by : Dylan Yang
Plane : X

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	45.39	-58.61	-46.13	-13.00	-45.61	-12.48	Peak
2	96.15	-38.97	-28.63	-13.00	-25.97	-10.34	Peak
3	190.38	-57.86	-52.13	-13.00	-44.86	-5.73	Peak
4	319.60	-68.61	-62.89	-13.00	-55.61	-5.72	Peak
5	426.70	-65.14	-61.80	-13.00	-52.14	-3.34	Peak
6	993.70	-63.89	-69.14	-13.00	-50.89	5.25	Peak
7 pp	1420.00	-35.40	-41.76	-13.00	-22.40	6.36	Peak
8	2840.00	-43.89	-56.86	-13.00	-30.89	12.97	Peak

LTE BAND 4

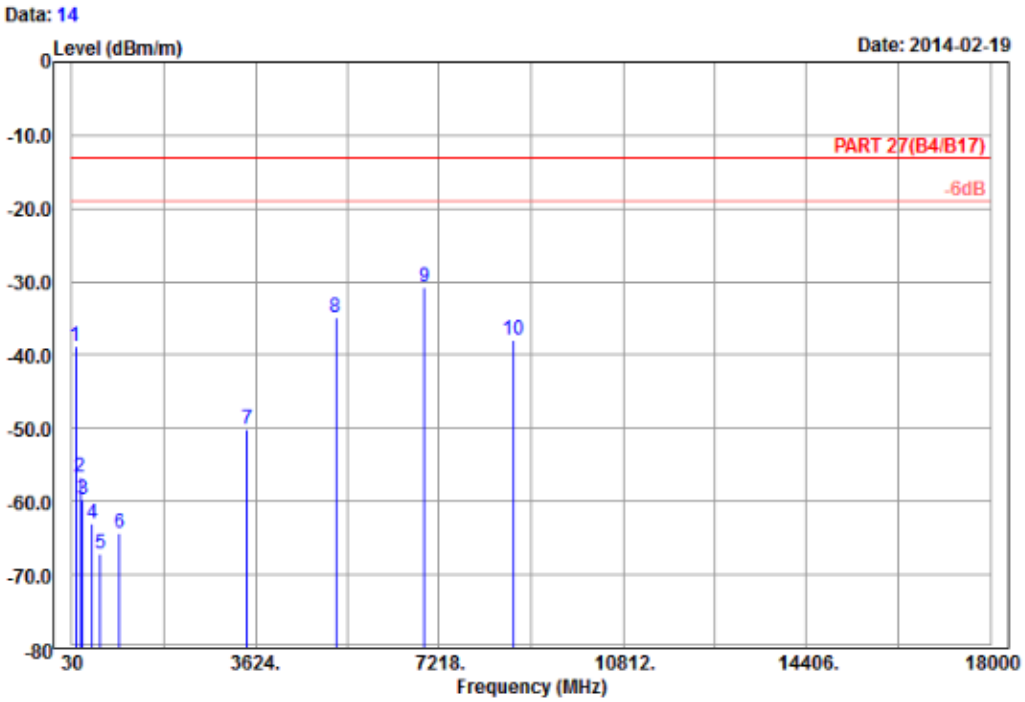
CHANNEL BANDWIDTH: 5MHZ / QPSK

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 chamber 5
Condition : PART 27(B4/B17) 3m Horizontal
Brand/Model: A91_2nd
Remark : LTE_Band 4 5M Link_CH20175
Tested by : Dylan Yang
Plane : Z

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		76.98	-51.94	-39.84	-13.00	-38.94	-12.10	Peak
2		96.96	-38.66	-28.37	-13.00	-25.66	-10.29	Peak
3		192.81	-50.60	-44.73	-13.00	-37.60	-5.87	Peak
4		435.10	-65.27	-61.74	-13.00	-52.27	-3.53	Peak
5		608.00	-68.03	-68.37	-13.00	-55.03	0.34	Peak
6		815.20	-65.89	-67.74	-13.00	-52.89	1.85	Peak
7		3465.00	-45.23	-59.57	-13.00	-32.23	14.34	Peak
8		5197.50	-38.49	-58.61	-13.00	-25.49	20.12	Peak
9	pp	6930.00	-23.52	-46.39	-13.00	-10.52	22.87	Peak
10		8662.50	-31.09	-55.30	-13.00	-18.09	24.21	Peak
11		10395.00	-35.04	-61.80	-13.00	-22.04	26.76	Peak
12		12127.50	-29.98	-59.37	-13.00	-16.98	29.39	Peak
13		13860.00	-30.33	-61.28	-13.00	-17.33	30.95	Peak



Site : 966 chamber 5
Condition : PART 27(B4/B17) 3m Vertical
Brand/Model: A91_2nd
Remark : LTE_Band 4 5M Link_CH20175
Tested by : Dylan Yang
Plane : Z

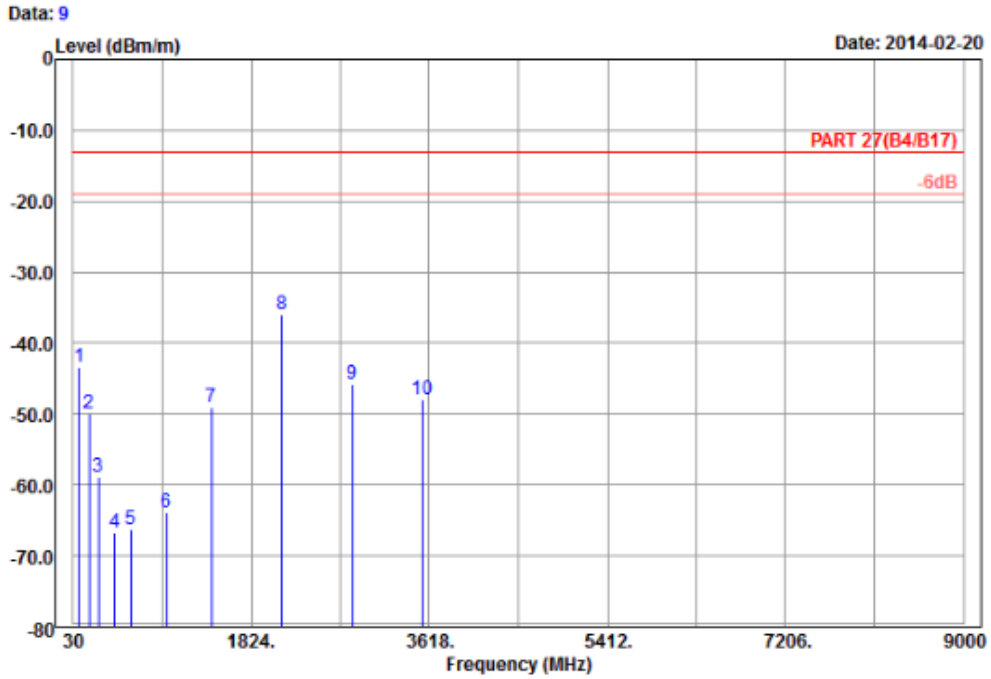
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	96.42	-38.83	-28.49	-13.00	-25.83	-10.34	Peak
2	189.84	-56.70	-50.97	-13.00	-43.70	-5.73	Peak
3	239.79	-59.75	-54.10	-13.00	-46.75	-5.65	Peak
4	426.70	-63.04	-59.70	-13.00	-50.04	-3.34	Peak
5	583.50	-67.19	-66.93	-13.00	-54.19	-0.26	Peak
6	958.00	-64.22	-69.35	-13.00	-51.22	5.13	Peak
7	3465.00	-50.04	-64.38	-13.00	-37.04	14.34	Peak
8	5197.50	-34.89	-55.01	-13.00	-21.89	20.12	Peak
9 pp	6930.00	-30.75	-53.62	-13.00	-17.75	22.87	Peak
10	8662.50	-37.96	-62.17	-13.00	-24.96	24.21	Peak

MODE D

LTE BAND 17

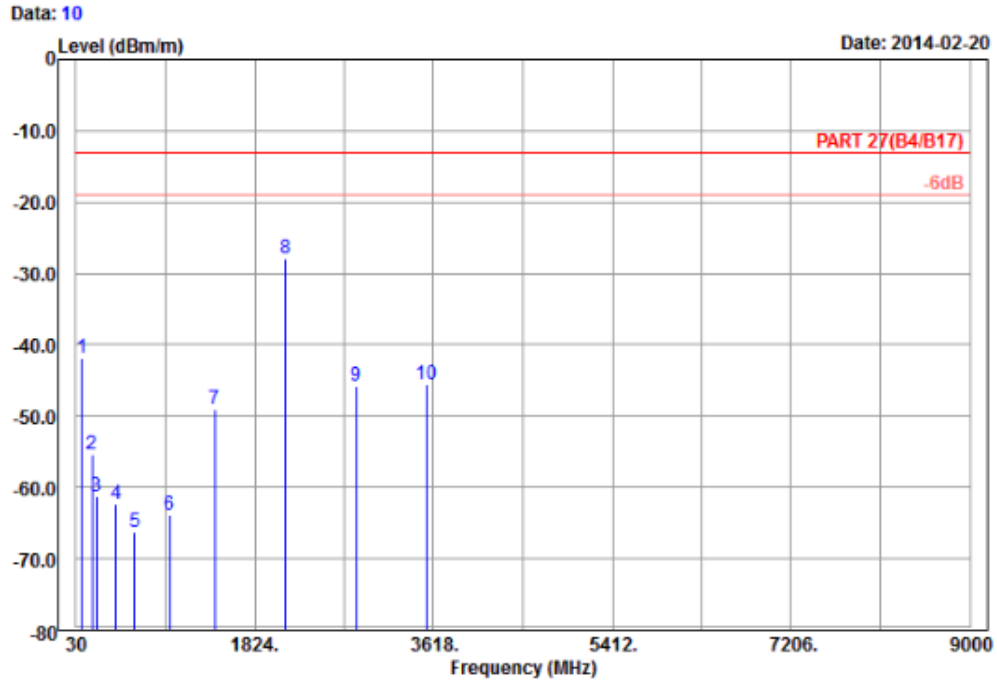
CHANNEL BANDWIDTH: 10MHZ / QPSK

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 chamber 5
Condition : PART 27(B4/B17) 3m Horizontal
Brand/Model: A91_2nd
Remark : LTE_Band 17 10M Link_CH23790 (Pad+Phone)
Tested by : Dylan Yang
Plane : Y

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		89.67	-43.31	-32.64	-13.00	-30.31	-10.67	Peak
2		191.73	-49.95	-44.13	-13.00	-36.95	-5.82	Peak
3		282.99	-58.88	-53.07	-13.00	-45.88	-5.81	Peak
4		447.70	-66.73	-62.93	-13.00	-53.73	-3.80	Peak
5		610.80	-66.30	-66.61	-13.00	-53.30	0.31	Peak
6		967.80	-63.82	-68.99	-13.00	-50.82	5.17	Peak
7		1420.00	-49.06	-55.42	-13.00	-36.06	6.36	Peak
8	pp	2130.00	-35.99	-47.27	-13.00	-22.99	11.28	Peak
9		2840.00	-45.69	-58.66	-13.00	-32.69	12.97	Peak
10		3550.00	-48.06	-63.25	-13.00	-35.06	15.19	Peak



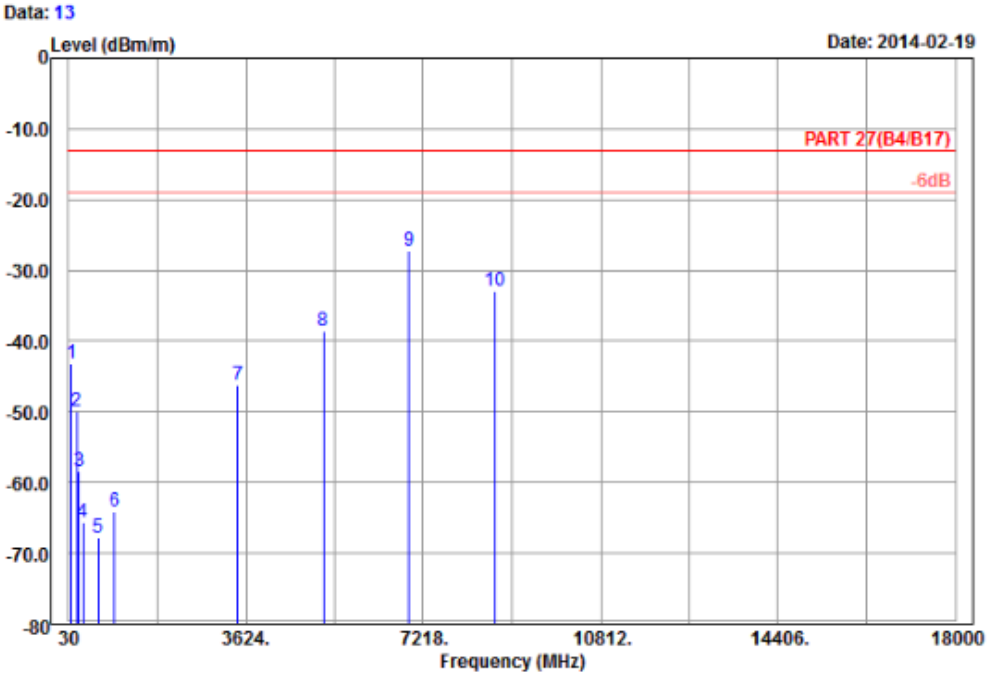
Site : 966 chamber 5
Condition : PART 27(B4/B17) 3m Vertical
Brand/Model: A91_2nd
Remark : LTE_Band 17 10M Link_CH23790 (Pad+Phone)
Tested by : Dylan Yang
Plane : Y

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	89.13	-41.86	-31.08	-13.00	-28.86	-10.78	Peak
2	191.19	-55.33	-49.55	-13.00	-42.33	-5.78	Peak
3	240.06	-61.25	-55.61	-13.00	-48.25	-5.64	Peak
4	430.90	-62.43	-59.01	-13.00	-49.43	-3.42	Peak
5	616.40	-66.17	-66.41	-13.00	-53.17	0.24	Peak
6	966.40	-63.88	-69.04	-13.00	-50.88	5.16	Peak
7	1420.00	-49.06	-55.42	-13.00	-36.06	6.36	Peak
8 pp	2130.00	-27.91	-39.19	-13.00	-14.91	11.28	Peak
9	2840.00	-45.82	-58.79	-13.00	-32.82	12.97	Peak
10	3550.00	-45.58	-60.77	-13.00	-32.58	15.19	Peak

LTE BAND 4

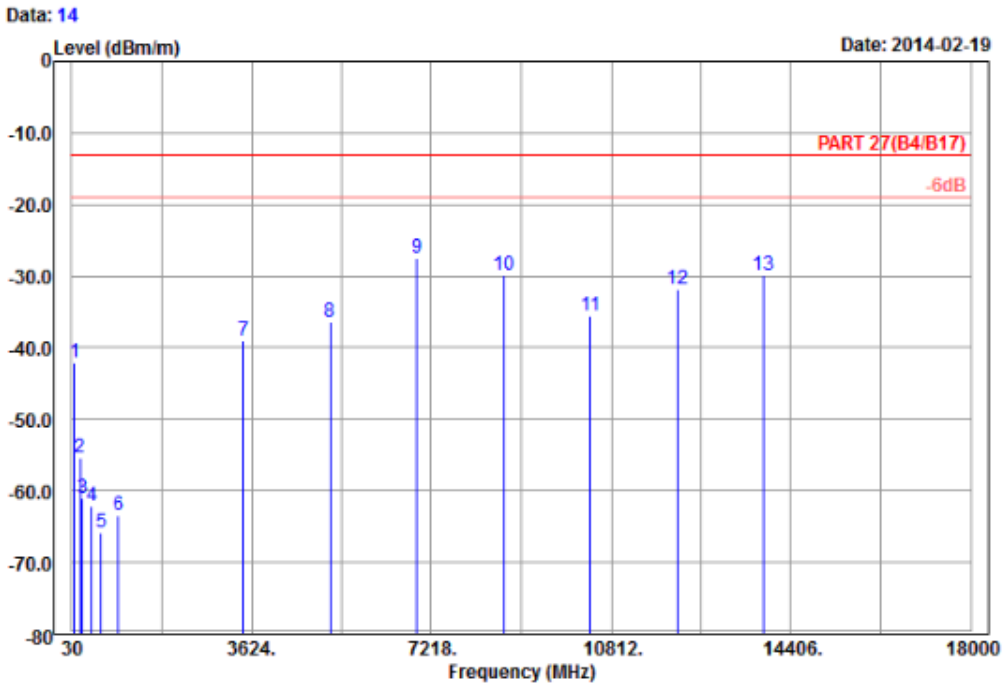
CHANNEL BANDWIDTH: 5MHZ / QPSK

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 chamber 5
Condition : PART 27(B4/B17) 3m Horizontal
Brand/Model: A91_2nd
Remark : LTE B4 5M_Link_CH20175 (phone+pad)
Tested by : Dylan Yang
Plane : Y

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	89.67	-43.20	-32.53	-13.00	-30.20	-10.67	Peak
2	192.27	-49.89	-44.07	-13.00	-36.89	-5.82	Peak
3	240.33	-58.35	-52.71	-13.00	-45.35	-5.64	Peak
4	317.50	-65.59	-59.83	-13.00	-52.59	-5.76	Peak
5	627.60	-67.85	-67.97	-13.00	-54.85	0.12	Peak
6	957.30	-63.99	-69.12	-13.00	-50.99	5.13	Peak
7	3465.00	-46.25	-60.59	-13.00	-33.25	14.34	Peak
8	5197.50	-38.59	-58.71	-13.00	-25.59	20.12	Peak
9 pp	6930.00	-27.34	-50.21	-13.00	-14.34	22.87	Peak
10	8662.50	-32.97	-57.18	-13.00	-19.97	24.21	Peak



Site : 966 chamber 5
Condition : PART 27(B4/B17) 3m Vertical
Brand/Model: A91_2nd
Remark : LTE B4 5M_Link_CH20175 (phone+pad)
Tested by : Dylan Yang
Plane : Y

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
		MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1		89.67	-42.13	-31.46	-13.00	-29.13	-10.67	Peak
2		189.57	-55.37	-49.64	-13.00	-42.37	-5.73	Peak
3		240.87	-60.93	-55.29	-13.00	-47.93	-5.64	Peak
4		426.70	-62.18	-58.84	-13.00	-49.18	-3.34	Peak
5		614.30	-65.93	-66.20	-13.00	-52.93	0.27	Peak
6		966.40	-63.44	-68.60	-13.00	-50.44	5.16	Peak
7		3465.00	-39.12	-53.46	-13.00	-26.12	14.34	Peak
8		5197.50	-36.39	-56.51	-13.00	-23.39	20.12	Peak
9	pp	6930.00	-27.37	-50.24	-13.00	-14.37	22.87	Peak
10		8662.50	-29.89	-54.10	-13.00	-16.89	24.21	Peak
11		10395.00	-35.48	-62.24	-13.00	-22.48	26.76	Peak
12		12127.50	-31.75	-61.14	-13.00	-18.75	29.39	Peak
13		13860.00	-29.89	-60.84	-13.00	-16.89	30.95	Peak

5 INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 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:

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

6 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.

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