

FCC Test Report

(PART 22)

Report No.: RF180125C14-4

FCC ID: B94HNQ10CPD

Test Model: HSN-Q10C

Received Date: Feb. 05, 2018

Test Date: Mar. 21, 2018 ~ May 23, 2018

Issued Date: Jun. 01, 2018

Applicant: HP Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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Test Location (1): No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

Test Location (2): No.215, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C

**FCC Registration /
Designation Number:** 427177 / TW0011



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Table of Contents

Release Control Record	3
1 Certificate of Conformity	4
2 Summary of Test Results	5
2.1 Measurement Uncertainty	5
2.2 Test Site and Instruments	6
3 General Information	7
3.1 General Description of EUT	7
3.2 Configuration of System under Test	9
3.2.1 Description of Support Units	9
3.3 Test Mode Applicability and Tested Channel Detail	10
3.4 EUT Operating Conditions	13
3.5 General Description of Applied Standards	13
4 Test Types and Results	14
4.1 Output Power Measurement	14
4.1.1 Limits of Output Power Measurement	14
4.1.2 Test Procedures	14
4.1.3 Test Setup	15
4.1.4 Test Results	16
4.2 Frequency Stability Measurement	23
4.2.1 Limits of Frequency Stability Measurement	23
4.2.2 Test Procedure	23
4.2.3 Test Setup	23
4.2.4 Test Results	24
4.3 Occupied Bandwidth Measurement	34
4.3.1 Test Procedure	34
4.3.2 Test Setup	34
4.3.3 Test Result	35
4.4 Band Edge Measurement	41
4.4.1 Limits of Band Edge Measurement	41
4.4.2 Test Setup	41
4.4.3 Test Procedures	41
4.4.4 Test Results	42
4.5 Peak to Average Ratio	52
4.5.1 Limits of Peak to Average Ratio Measurement	52
4.5.2 Test Setup	52
4.5.3 Test Procedures	52
4.5.4 Test Results	53
4.6 Conducted Spurious Emissions	59
4.6.1 Limits of Conducted Spurious Emissions Measurement	59
4.6.2 Test Setup	59
4.6.3 Test Procedure	59
4.6.4 Test Results	60
4.7 Radiated Emission Measurement	70
4.7.1 Limits of Radiated Emission Measurement	70
4.7.2 Test Procedure	70
4.7.3 Deviation from Test Standard	70
4.7.4 Test Setup	71
4.7.5 Test Results	72
5 Pictures of Test Arrangements	114
Appendix – Information on the Testing Laboratories	115

Release Control Record

Issue No.	Description	Date Issued
RF180125C14-4	Original Release	Jun. 01, 2018

1 Certificate of Conformity

Product: Notebook Computer
Brand: HP
Test Model: HSN-Q10C
Sample Status: Production Unit
Applicant: HP Inc.
Test Date: Mar. 21, 2018 ~ May 23, 2018
Standards: FCC Part 22, Subpart H

The above equipment 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 RF characteristics under the conditions specified in this report.

Prepared by : Evonne Liu, **Date:** Jun. 01, 2018
Evonne Liu / Specialist

Approved by : Dylan Chiou, **Date:** Jun. 01, 2018
Dylan Chiou / Project Engineer

2 Summary of Test Results

Applied Standard: FCC Part 22 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 22.913 (a)	Effective Radiated Power	Pass	Meet the requirement of limit.
---	Peak to Average Ratio	Pass	Meet the requirement of limit.
2.1055 22.355	Frequency Stability	Pass	Meet the requirement of limit.
2.1049	Occupied Bandwidth	Pass	Meet the requirement of limit.
22.917	Band Edge Measurements	Pass	Meet the requirement of limit.
2.1051 22.917	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 22.917	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -32.62 dB at 153.12 MHz.

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	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150 kHz ~ 30 MHz	2.44 dB
Radiated Emissions up to 1 GHz	30 MHz ~ 200 MHz	2.0153 dB
	200 MHz ~ 1000 MHz	2.0224 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	1.0121 dB
	18 GHz ~ 40 GHz	1.1508 dB

2.2 Test Site and Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent Technologies	N9038A	MY52260177	Jul. 05, 2017	Jul. 04, 2018
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Jan. 11, 2018	Jan. 10, 2019
Double Ridge Guide Horn Antenna EMCO	3115	5619	Nov. 30, 2017	Nov. 29, 2018
HORN Antenna ETS	3117	00034128	Dec. 14, 2017	Dec. 13, 2018
BILOG Antenna SCHWARZBECK	VULB 9168	9168-153	Dec. 06, 2017	Dec. 05, 2018
Fixed Attenuator Mini-Circuits	BW-N10W5+	NA	Jul. 07, 2017	Jul. 06, 2018
Preamplifier Agilent	310N	187226	Jun. 23, 2017	Jun. 22, 2018
Preamplifier Agilent	83017A	MY39501357	Jun. 23, 2017	Jun. 22, 2018
RF signal cable ETS-LINDGREN	5D-FB	Cable-CH1-01(R FC-SMS-100-SM S-120+RFC-SMS -100-SMS-400)	Jun. 23, 2017	Jun. 22, 2018
RF signal cable ETS-LINDGREN	8D-FB	Cable-CH1-02(R FC-SMS-100-SM S-24)	Jun. 23, 2017	Jun. 22, 2018
Software BV ADT	E3 8.130425b	NA	NA	NA
Antenna Tower MF	NA	NA	NA	NA
Turn Table MF	NA	NA	NA	NA
Antenna Tower & Turn Table Controller MF	MF-7802	NA	NA	NA
Communications Tester-Wireless Agilent	8960 Series 10	MY53201073	Jun. 28, 2017	Jun. 27, 2019
Radio Communication Analyzer Anritsu	MT8820C	6201010284	Dec. 28, 2017	Dec. 27, 2018
Temperature & Humidity Chamber	GTH-120-40-CP-A R	MAA1306-019	Sep. 08, 2017	Sep. 07, 2018
DC Power Supply Topward	33010D	807748	Oct. 25, 2016	Oct. 24, 2018
Digital Multimeter Fluke	87-III	70360742	Jun. 30, 2017	Jun. 29, 2018

- Note: 1. The calibration interval of the above test instruments is 12 / 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HsinTien Chamber 1.
3. The horn antenna and preamplifier (model: 83017A) are used only for the measurement of emission frequency above 1 GHz if tested.
4. The IC Site Registration No. is IC7450I-1.

3 General Information

3.1 General Description of EUT

Product	Notebook Computer	
Brand	HP	
Test Model	HSN-Q10C	
Status of EUT	Production Unit	
Power Supply Rating	20 or 15 or 12 or 9 or 5 Vdc (Adapter)	
Modulation Type	WCDMA	QPSK
	LTE	QPSK, 16QAM
Frequency Range	WCDMA	826.4 ~ 846.6 MHz
	LTE 5 (Channel Bandwidth: 1.4 MHz)	824.7 ~ 848.3 MHz
	LTE 5 (Channel Bandwidth: 3 MHz)	825.5 ~ 847.5 MHz
	LTE 5 (Channel Bandwidth: 5 MHz)	826.5 ~ 846.5 MHz
	LTE 5 (Channel Bandwidth: 10 MHz)	829 ~ 844 MHz
	LTE 26 (Channel Bandwidth: 1.4 MHz)	824.7 ~ 848.3 MHz
	LTE 26 (Channel Bandwidth: 3 MHz)	825.5 ~ 847.5 MHz
	LTE 26 (Channel Bandwidth: 5 MHz)	826.5 ~ 846.5 MHz
	LTE 26 (Channel Bandwidth: 10 MHz)	829 ~ 844 MHz
	LTE 26 (Channel Bandwidth: 15 MHz)	831.5 ~ 841.5 MHz
Max. ERP Power	WCDMA	36.12 mW
	LTE 5 (Channel Bandwidth: 1.4 MHz)	31.93 mW
	LTE 5 (Channel Bandwidth: 3 MHz)	31.99 mW
	LTE 5 (Channel Bandwidth: 5 MHz)	31.90 mW
	LTE 5 (Channel Bandwidth: 10 MHz)	32.58 mW
	LTE 26 (Channel Bandwidth: 1.4 MHz)	32.14 mW
	LTE 26 (Channel Bandwidth: 3 MHz)	32.00 mW
	LTE 26 (Channel Bandwidth: 5 MHz)	32.28 mW
	LTE 26 (Channel Bandwidth: 10 MHz)	32.58 mW
	LTE 26 (Channel Bandwidth: 15 MHz)	32.81 mW
Emission Designator	WCDMA	4M09F9W
	LTE 5 (Channel Bandwidth: 1.4 MHz)	1M09G7D
	LTE 5 (Channel Bandwidth: 3 MHz)	2M70W7D
	LTE 5 (Channel Bandwidth: 5 MHz)	4M50W7D
	LTE 5 (Channel Bandwidth: 10 MHz)	9M01W7D
	LTE 26 (Channel Bandwidth: 1.4 MHz)	1M10W7D
	LTE 26 (Channel Bandwidth: 3 MHz)	2M71G7D
	LTE 26 (Channel Bandwidth: 5 MHz)	4M50W7D
	LTE 26 (Channel Bandwidth: 10 MHz)	9M01W7D
	LTE 26 (Channel Bandwidth: 15 MHz)	13M5W7D
Antenna Type	Refer to Note as below	
Accessory Device	Refer to Note as below	
Data Cable Supplied	Refer to Note as below	

Note:

1. The WWAN module (Brand: Fibocom, Model: L850-GL) was installed in the EUT.
2. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter	hp	TPN-LA12	I/P: 100-240 Vac, 50-60 Hz, 1.6 A O/P: 20 Vdc, 3.25 A, 15 Vdc, 4.33 A, 12 Vdc, 5 A, 9 Vdc, 3 A, 5 Vdc, 3 A

3. The antenna information is listed as below.

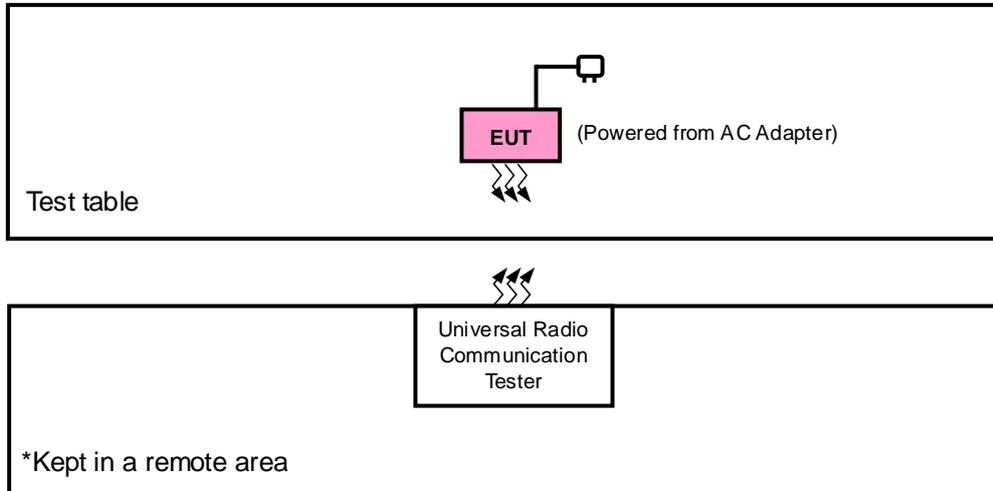
Ant. Type	Manuf.	Parts Number	Antenna Gain							
			LTE 2 / LTE 25 / WCDMA Band II	LTE 4 / LTE 66 / WCDMA Band IV	LTE 5 / LTE 26 / WCDMA Band V	LTE 7	LTE 12 / LTE 17	LTE 13	LTE 30	LTE 41
PIFA	INPAQ	Main Ant.: DQ6LB020017 (WA-P-LTE8LTE12LBLB-02-001) Aux Ant.: DQ6LB020017 (WA-P-LTE8LTE12LBLB-02-001)	-6.19	-5.79	-5.86	-4.9	-5.21	-4.32	-3.68	-4.9

Antenna Type	Vendor	Part Number	Antenna Gain (dBi)			
			Laptop PC Mode			
			WLAN 2.4GHz	WLAN 5.2GHz	WLAN 5.5GHz	WLAN 5.8GHz
PIFA	INPAQ	WLAN Main Antenna: DQ6LB020509 (WA-P-LBLB-02-059) WLAN Aux Antenna: DQ6LB020509 (WA-P-LBLB-02-059)	1.66	0.54	0.56	-0.21
			Tablet PC Mode			
			WLAN 2.4GHz	WLAN 5.2GHz	WLAN 5.5GHz	WLAN 5.8GHz
			-0.36	3.36	2.21	3.08

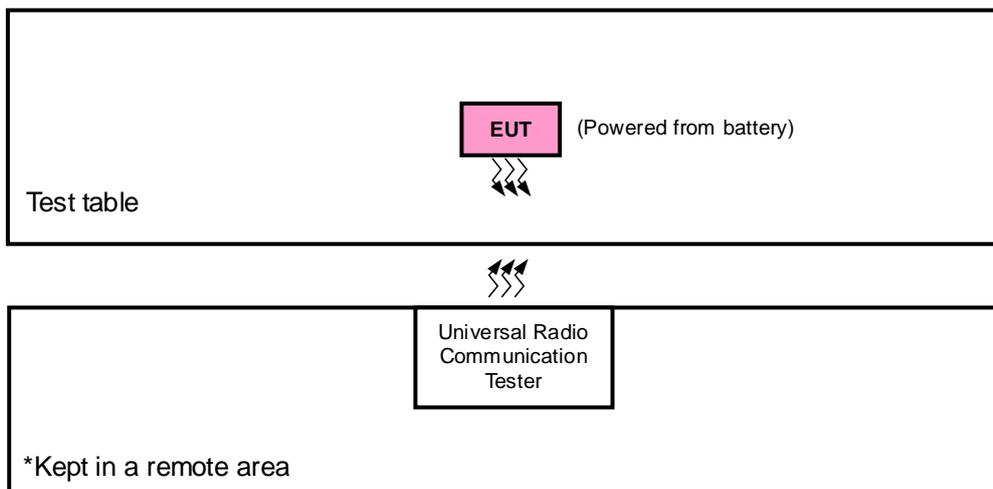
4. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Configuration of System under Test

<Radiated Emission Test>



<E.R.P. Test>



3.2.1 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units.

3.3 Test Mode Applicability and Tested Channel Detail

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 when positioned as the table below. Following channel(s) was (were) selected for the final test as listed below:

Band	ERP	Radiated Emission
WCDMA	Z-plane	Z-axis
LTE Band 5	Z-plane	Z-axis
LTE Band 26	Z-plane	X-axis

WCDMA

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Mode
-	ERP	4132 to 4233	4132, 4182, 4233	WCDMA
-	Frequency Stability	4132 to 4233	4132, 4233	WCDMA
-	Occupied Bandwidth	4132 to 4233	4132, 4182, 4233	WCDMA
-	Band Edge	4132 to 4233	4132, 4233	WCDMA
-	Peak to Average Ratio	4132 to 4233	4132, 4182, 4233	WCDMA
-	Conducted Emission	4132 to 4233	4132, 4182, 4233	WCDMA
-	Radiated Emission	4132 to 4233	4132, 4182, 4233	WCDMA

LTE Band 5

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode		
-	ERP	20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK, 16QAM	1 RB / 2 RB Offset		
		20415 to 20635	20415, 20525, 20635	3 MHz	QPSK, 16QAM	1 RB / 7 RB Offset		
		20425 to 20625	20425, 20525, 20625	5 MHz	QPSK, 16QAM	1 RB / 12 RB Offset		
		20450 to 20600	20450, 20525, 20600	10 MHz	QPSK, 16QAM	1 RB / 24 RB Offset		
-	Frequency Stability	20407 to 20643	20407, 20643	1.4 MHz	QPSK	1 RB / 2 RB Offset		
		20415 to 20635	20415, 20635	3 MHz	QPSK	1 RB / 7 RB Offset		
		20425 to 20625	20425, 20625	5 MHz	QPSK	1 RB / 12 RB Offset		
		20450 to 20600	20450, 20600	10 MHz	QPSK	1 RB / 24 RB Offset		
-	Occupied Bandwidth	20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK, 16QAM	6 RB / 0 RB Offset		
		20415 to 20635	20415, 20525, 20635	3 MHz	QPSK, 16QAM	15 RB / 0 RB Offset		
		20425 to 20625	20425, 20525, 20625	5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset		
		20450 to 20600	20450, 20525, 20600	10 MHz	QPSK, 16QAM	50 RB / 0 RB Offset		
-	Band Edge	20407 to 20643	20407	1.4MHz	QPSK	1 RB / 0 RB Offset		
			20643	1.4MHz	QPSK	6 RB / 0 RB Offset		
		20415 to 20635	20415	3 MHz	QPSK	1 RB / 5 RB Offset		
			20635	3 MHz	QPSK	6 RB / 0 RB Offset		
		20425 to 20625	20425	5 MHz	QPSK	1 RB / 0 RB Offset		
			20625	5 MHz	QPSK	25 RB / 0 RB Offset		
		20450 to 20600	20450	10 MHz	QPSK	1 RB / 24 RB Offset		
			20600	10 MHz	QPSK	25 RB / 0 RB Offset		
		-	Peak to Average Ratio	20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK, 16QAM	1 RB / 0 RB Offset
				20415 to 20635	20415, 20525, 20635	3 MHz	QPSK, 16QAM	6 RB / 0 RB Offset
				20425 to 20625	20425, 20525, 20625	5 MHz	QPSK, 16QAM	15 RB / 0 RB Offset
				20450 to 20600	20450, 20525, 20600	10 MHz	QPSK, 16QAM	25 RB / 0 RB Offset
-	Conducted Emission	20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK	50 RB / 0 RB Offset		
		20415 to 20635	20415, 20525, 20635	3 MHz	QPSK	1 RB / 2 RB Offset		
		20425 to 20625	20425, 20525, 20625	5 MHz	QPSK	1 RB / 7 RB Offset		
		20450 to 20600	20450, 20525, 20600	10 MHz	QPSK	1 RB / 12 RB Offset		
-	Radiated Emission	20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK	1 RB / 24 RB Offset		
		20425 to 20625	20425, 20525, 20625	5 MHz	QPSK	1 RB / 7 RB Offset		
		20450 to 20600	20450, 20525, 20600	10 MHz	QPSK	1 RB / 12 RB Offset		

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

LTE Band 26

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode		
-	ERP	26797 to 27033	26797, 26915, 27033	1.4 MHz	QPSK, 16QAM	1 RB / 5 RB Offset		
		26805 to 27025	26805, 26915, 27025	3 MHz	QPSK, 16QAM	1 RB / 14 RB Offset		
		26815 to 27015	26815, 26915, 27015	5 MHz	QPSK, 16QAM	1 RB / 24 RB Offset		
		26840 to 26990	26840, 26915, 26990	10 MHz	QPSK, 16QAM	1 RB / 49 RB Offset		
		26865 to 26965	26865, 26915, 26965	15 MHz	QPSK, 16QAM	1 RB / 49 RB Offset		
-	Frequency Stability	26797 to 27033	26797, 27033	1.4 MHz	QPSK	1 RB / 5 RB Offset		
		26805 to 27025	26805, 27025	3 MHz	QPSK	1 RB / 14 RB Offset		
		26815 to 27015	26815, 27015	5 MHz	QPSK	1 RB / 24 RB Offset		
		26840 to 26990	26840, 26990	10 MHz	QPSK	1 RB / 49 RB Offset		
		26865 to 26965	26865, 26965	15 MHz	QPSK	1 RB / 49 RB Offset		
-	Occupied Bandwidth	26797 to 27033	26797, 26915, 27033	1.4 MHz	QPSK, 16QAM	6 RB / 0 RB Offset		
		26805 to 27025	26805, 26915, 27025	3 MHz	QPSK, 16QAM	15 RB / 0 RB Offset		
		26815 to 27015	26815, 26915, 27015	5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset		
		26840 to 26990	26840, 26915, 26990	10 MHz	QPSK, 16QAM	50 RB / 0 RB Offset		
		26865 to 26965	26865, 26915, 26965	15 MHz	QPSK, 16QAM	75 RB / 0 RB Offset		
-	Band Edge	26797 to 27033	26797	1.4 MHz	QPSK	1 RB / 0 RB Offset 6 RB / 0 RB Offset		
			27033	1.4 MHz	QPSK	1 RB / 5 RB Offset 6 RB / 0 RB Offset		
		26805 to 27025	26805	3 MHz	QPSK	1 RB / 0 RB Offset 15 RB / 0 RB Offset		
			27025	3 MHz	QPSK	1 RB / 14 RB Offset 15 RB / 0 RB Offset		
		26815 to 27015	26815	5 MHz	QPSK	1 RB / 0 RB Offset 25 RB / 0 RB Offset		
			27015	5 MHz	QPSK	1 RB / 24 RB Offset 25 RB / 0 RB Offset		
		26840 to 26990	26840	10 MHz	QPSK	1 RB / 0 RB Offset 50 RB / 0 RB Offset		
			26990	10 MHz	QPSK	1 RB / 49 RB Offset 50 RB / 0 RB Offset		
		26865 to 26965	26865	15 MHz	QPSK	1 RB / 0 RB Offset 75 RB / 0 RB Offset		
			26965	15 MHz	QPSK	1 RB / 74 RB Offset 75 RB / 0 RB Offset		
		-	Peak to Average Ratio	26797 to 27033	26797, 26915, 27033	1.4 MHz	QPSK, 16QAM	1 RB / 0 RB Offset
				26805 to 27025	26805, 26915, 27025	3 MHz	QPSK, 16QAM	15 RB / 0 RB Offset
26815 to 27015	26815, 26915, 27015			5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset		
26840 to 26990	26840, 26915, 26990			10 MHz	QPSK, 16QAM	50 RB / 0 RB Offset		
26865 to 26965	26865, 26915, 26965			15 MHz	QPSK, 16QAM	75 RB / 0 RB Offset		
-	Conducted Emission	26797 to 27033	26797, 26915, 27033	1.4 MHz	QPSK	1 RB / 0 RB Offset		
		26805 to 27025	26805, 26915, 27025	3 MHz	QPSK	15 RB / 0 RB Offset		
		26815 to 27015	26815, 26915, 27015	5 MHz	QPSK	25 RB / 0 RB Offset		
		26840 to 26990	26840, 26915, 26990	10 MHz	QPSK	1 RB / 0 RB Offset		
		26865 to 26965	26865, 26915, 26965	15 MHz	QPSK	25 RB / 0 RB Offset		
-	Radiated Emission	26797 to 27033	26797, 26915, 27033	1.4 MHz	QPSK	1 RB / 0 RB Offset		
		26815 to 27015	26815, 26915, 27015	5 MHz	QPSK	25 RB / 0 RB Offset		
		26865 to 26965	26865, 26915, 26965	15 MHz	QPSK	25 RB / 0 RB Offset		

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

found in QPSK modulation.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
ERP	25 deg. C, 65 % RH	6.54 Vdc	Karl Lee
Frequency Stability	25 deg. C, 65 % RH	6.54 Vdc	Wayne Lin
Occupied Bandwidth	25 deg. C, 65 % RH	6.54 Vdc	Wayne Lin
Band Edge	25 deg. C, 65 % RH	6.54 Vdc	Wayne Lin
Peak to Average Ratio	25 deg. C, 65 % RH	6.54 Vdc	Wayne Lin
Conducted Emission	25 deg. C, 65 % RH	6.54 Vdc	Wayne Lin
Radiated Emission	25 deg. C, 65 % RH	120 Vac, 60 Hz	Karl Lee

3.4 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.

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 22

KDB 971168 D01 Power Meas License Digital Systems v02r02

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

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

Mobile / Portable station are limited to 7 watts e.r.p.

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 1 MHz for GSM, GPRS & EDGE, and 5 MHz for WCDMA and CDMA, and 10 MHz for LTE mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) 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 1 m to 4 m 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. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15 \text{ dBi}$.

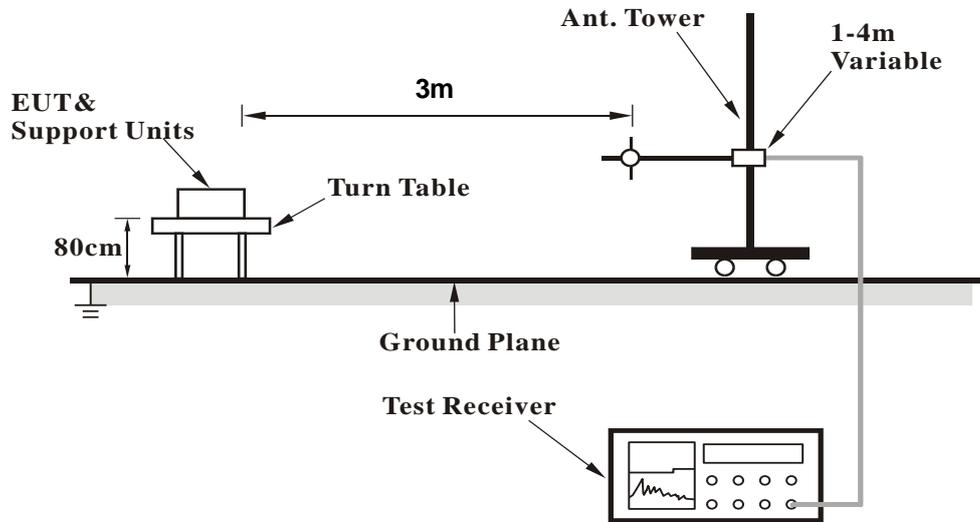
Conducted Power Measurement:

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

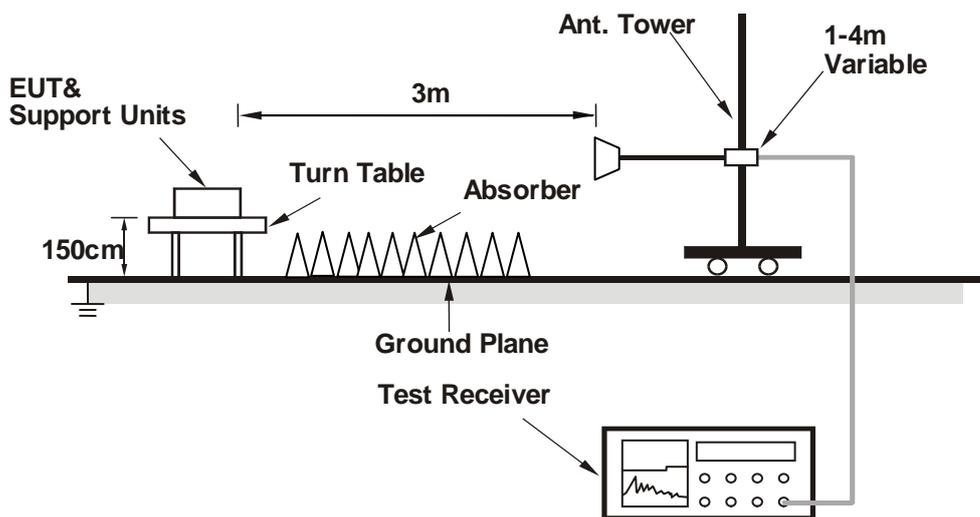
4.1.3 Test Setup

EIRP / ERP Measurement:

<Radiated Emission below or equal 1 GHz>



<Radiated Emission above 1 GHz>



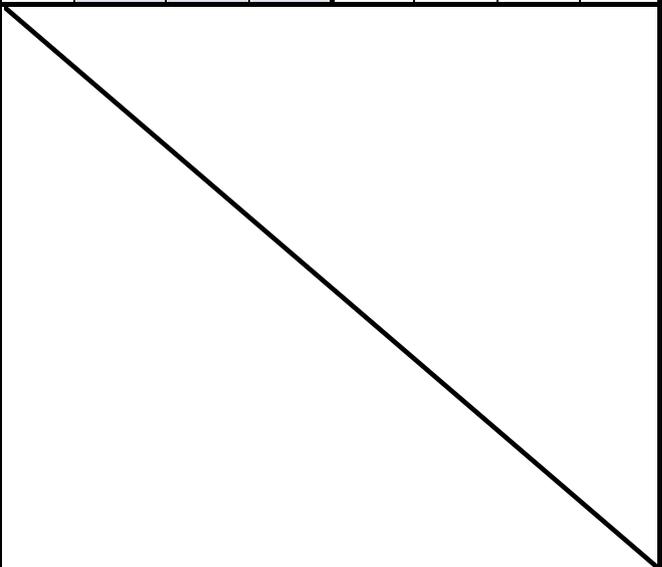
For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.4 Test Results

Band	WCDMA Band V			3GPP MPR (dB)
	4132	4182	4233	
Channel	826.4	836.4	846.6	
Frequency (MHz)	826.4	836.4	846.6	
RMC 12.2K	23.56	23.24	23.42	-
HSDPA Subtest-1	23.54	23.22	23.40	0
HSDPA Subtest-2	23.11	22.79	22.97	0
HSDPA Subtest-3	22.63	22.31	22.49	0.5
HSDPA Subtest-4	22.38	22.06	22.24	0.5
HSUPA Subtest-1	23.17	22.85	23.03	0
HSUPA Subtest-2	21.02	20.70	20.88	2
HSUPA Subtest-3	21.73	21.41	21.59	1
HSUPA Subtest-4	21.31	20.99	21.17	2
HSUPA Subtest-5	23.22	22.90	23.08	0

LTE Band 5																	
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)		
				Channel	20450	20525						20600	Channel	20425		20525	20625
				Frequency (MHz)	829.0	836.5						844.0	Frequency (MHz)	826.5		836.5	846.5
10M	QPSK	1	0	22.93	22.56	22.95	0	5M	QPSK	1	0	22.88	22.49	22.90	0		
		1	24	22.68	22.48	22.78	0			1	12	22.62	22.41	22.72	0		
		1	49	22.66	22.50	22.84	0			1	24	22.60	22.43	22.79	0		
		25	0	21.82	21.50	22.00	1			12	0	21.73	21.37	21.92	1		
		25	12	21.73	21.48	21.82	1			12	6	21.63	21.34	21.73	1		
		25	25	21.71	21.49	21.97	1			12	13	21.59	21.36	21.89	1		
		50	0	21.77	21.48	21.84	1			25	0	21.68	21.34	21.76	1		
	16QAM	1	0	21.98	21.57	22.00	1		16QAM	1	0	21.92	21.52	21.95	1		
		1	24	21.72	21.49	21.82	1			1	12	21.66	21.41	21.77	1		
		1	49	21.69	21.51	21.88	1			1	24	21.62	21.45	21.83	1		
		25	0	20.82	20.47	20.96	2			12	0	20.69	20.32	20.90	2		
		25	12	20.73	20.44	20.82	2			12	6	20.56	20.29	20.71	2		
		25	25	20.68	20.46	20.98	2			12	13	20.54	20.31	20.87	2		
		50	0	20.77	20.44	20.85	2			25	0	20.60	20.29	20.74	2		
3M	QPSK	1	0	22.83	22.42	22.85	0	1.4M	QPSK	1	0	22.77	22.32	22.80	0		
		1	7	22.55	22.31	22.67	0			1	2	22.48	22.21	22.59	0		
		1	14	22.52	22.36	22.74	0			1	5	22.44	22.26	22.66	0		
		8	0	21.57	21.22	21.81	1			3	0	21.49	21.10	21.73	0		
		8	3	21.46	21.19	21.58	1			3	1	21.37	21.06	21.51	0		
		8	7	21.44	21.21	21.78	1			3	3	21.33	21.08	21.69	0		
		15	0	21.52	21.19	21.61	1			6	0	21.43	21.06	21.53	1		
	16QAM	1	0	21.85	21.37	21.90	1		16QAM	1	0	21.80	21.32	21.85	1		
		1	7	21.55	21.28	21.67	1			1	2	21.49	21.20	21.60	1		
		1	14	21.51	21.31	21.73	1			1	5	21.46	21.22	21.69	1		
		8	0	20.55	20.18	20.80	2			3	0	20.46	20.05	20.71	1		
		8	3	20.43	20.14	20.56	2			3	1	20.33	20.05	20.48	1		
		8	7	20.40	20.15	20.73	2			3	3	20.30	20.02	20.67	1		
		15	0	20.48	20.14	20.58	2			6	0	20.39	19.99	20.51	2		

LTE Band 26

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		26765	26865	26965				Channel		26740	26865	26990	
		Frequency (MHz)		821.5	831.5	841.5				Frequency (MHz)		819.0	831.5	844.0	
15M	QPSK	1	0	22.80	22.83	22.75	0	10M	QPSK	1	0	22.73	22.80	22.67	0
		1	37	22.90	22.84	22.87	0			1	24	22.85	22.77	22.82	0
		1	74	22.59	22.73	22.79	0			1	49	22.49	22.64	22.72	0
		36	0	21.73	21.65	21.67	1			25	0	21.82	21.85	21.64	1
		36	19	21.75	21.72	21.69	1			25	12	21.61	21.73	21.73	1
		36	39	21.74	21.70	21.68	1			25	25	21.67	21.60	21.66	1
		75	0	21.65	21.91	21.56	1			50	0	21.50	21.79	21.41	1
	16QAM	1	0	21.84	21.96	21.78	1		16QAM	1	0	21.75	21.95	21.68	1
		1	37	21.95	21.88	21.91	1			1	24	21.89	21.81	21.85	1
		1	74	21.61	21.76	21.82	1			1	49	21.50	21.64	21.73	1
		36	0	20.94	20.96	20.73	2			25	0	20.81	20.84	20.60	2
		36	19	20.70	20.84	20.84	2			25	12	20.57	20.72	20.72	2
		36	39	20.76	20.69	20.75	2			25	25	20.64	20.56	20.62	2
		75	0	20.60	20.92	20.51	2			50	0	20.45	20.78	20.36	2
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		26715	26865	27015				Channel		26705	26865	27025	
		Frequency (MHz)		816.5	831.5	846.5				Frequency (MHz)		815.5	831.5	847.5	
5M	QPSK	1	0	22.68	22.85	22.60	0	3M	QPSK	1	0	22.60	22.80	22.51	0
		1	12	22.79	22.72	22.76	0			1	7	22.75	22.66	22.69	0
		1	24	22.42	22.57	22.66	0			1	14	22.33	22.48	22.55	0
		12	0	21.71	21.76	21.50	1			8	0	21.65	21.68	21.41	1
		12	6	21.46	21.62	21.62	1			8	3	21.38	21.55	21.55	1
		12	13	21.53	21.45	21.52	1			8	7	21.47	21.35	21.44	1
		25	0	21.35	21.69	21.26	1			15	0	21.21	21.61	21.12	1
	16QAM	1	0	21.69	21.89	21.62	1		16QAM	1	0	21.64	21.85	21.55	1
		1	12	21.84	21.74	21.78	1			1	7	21.79	21.71	21.76	1
		1	24	21.42	21.57	21.67	1			1	14	21.34	21.51	21.61	1
		12	0	20.72	20.77	20.47	2			8	0	20.63	20.69	20.38	2
		12	6	20.44	20.62	20.62	2			8	3	20.34	20.53	20.53	2
		12	13	20.53	20.41	20.50	2			8	7	20.43	20.28	20.42	2
		25	0	20.30	20.69	20.21	2			15	0	20.17	20.60	20.06	2
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)								
		Channel		26697	26865	27033									
		Frequency (MHz)		814.7	831.5	848.3									
1.4M	QPSK	1	0	22.55	22.75	22.48	0								
		1	2	22.68	22.61	22.64	0								
		1	5	22.28	22.44	22.53	0								
		3	0	21.56	21.60	21.28	0								
		3	1	21.23	21.44	21.44	0								
		3	3	21.33	21.19	21.29	0								
		6	0	21.07	21.53	20.96	1								
	16QAM	1	0	21.58	21.80	21.48	1								
		1	2	21.74	21.63	21.70	1								
		1	5	21.28	21.43	21.57	1								
		3	0	20.55	20.61	20.25	1								
		3	1	20.17	20.41	20.41	1								
		3	3	20.30	20.12	20.26	1								
		6	0	20.02	20.51	19.91	2								

ERP Power (dBm)

WCDMA							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	4132	826.4	-13.48	31.208	15.58	36.12	H
	4182	836.4	-13.65	31.3	15.50	35.48	
	4233	846.6	-13.54	31.222	15.53	35.74	
	4132	826.4	-17.82	31.504	11.53	14.24	V
	4182	836.4	-17.42	31.117	11.55	14.28	
	4233	846.6	-18.30	31.922	11.47	14.03	

LTE Band 5							
Channel Bandwidth: 1.4 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	20407	824.7	-14.04	31.208	15.02	31.75	H
	20525	836.5	-14.11	31.3	15.04	31.92	
	20643	848.3	-14.03	31.222	15.04	31.93	
	20407	824.7	-18.33	31.504	11.02	12.66	V
	20525	836.5	-18.00	31.117	10.97	12.49	
	20643	848.3	-18.77	31.922	11.00	12.60	
Channel Bandwidth: 1.4 MHz / 16QAM							
Z	20407	824.7	-15.06	31.208	14.00	25.11	H
	20525	836.5	-15.12	31.3	14.03	25.29	
	20643	848.3	-15.05	31.222	14.02	25.25	
	20407	824.7	-19.31	31.504	10.04	10.10	V
	20525	836.5	-18.99	31.117	9.98	9.95	
	20643	848.3	-19.80	31.922	9.97	9.94	

LTE Band 5							
Channel Bandwidth: 3 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	20415	825.5	-14.02	31.208	15.04	31.90	H
	20525	836.5	-14.10	31.3	15.05	31.99	
	20635	847.5	-14.06	31.222	15.01	31.71	
	20415	825.5	-18.33	31.504	11.02	12.66	V
	20525	836.5	-17.93	31.117	11.04	12.70	
	20635	847.5	-18.76	31.922	11.01	12.62	
Channel Bandwidth: 3 MHz / 16QAM							
Z	20415	825.5	-15.01	31.208	14.05	25.40	H
	20525	836.5	-15.12	31.3	14.03	25.29	
	20635	847.5	-15.06	31.222	14.01	25.19	
	20415	825.5	-19.31	31.504	10.04	10.10	V
	20525	836.5	-18.95	31.117	10.02	10.04	
	20635	847.5	-19.75	31.922	10.02	10.05	

LTE Band 5							
Channel Bandwidth: 5 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	20425	826.5	-14.02	31.208	15.04	31.90	H
	20525	836.5	-14.12	31.3	15.03	31.84	
	20625	846.5	-14.06	31.222	15.01	31.71	
	20425	826.5	-18.32	31.504	11.03	12.69	V
	20525	836.5	-17.92	31.117	11.05	12.73	
	20625	846.5	-18.73	31.922	11.04	12.71	
Channel Bandwidth: 5 MHz / 16QAM							
Z	20425	826.5	-15.03	31.208	14.03	25.28	H
	20525	836.5	-15.11	31.3	14.04	25.35	
	20625	846.5	-15.08	31.222	13.99	25.06	
	20425	826.5	-19.31	31.504	10.04	10.10	V
	20525	836.5	-18.95	31.117	10.02	10.04	
	20625	846.5	-19.77	31.922	10.00	10.00	

LTE Band 5							
Channel Bandwidth: 10 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	20450	829.0	-13.95	31.208	15.11	32.42	H
	20525	836.5	-14.02	31.3	15.13	32.58	
	20600	844.0	-14.01	31.222	15.06	32.08	
	20450	829.0	-18.23	31.504	11.12	12.95	V
	20525	836.5	-17.81	31.117	11.16	13.05	
	20600	844.0	-18.70	31.922	11.07	12.80	
Channel Bandwidth: 10 MHz / 16QAM							
Z	20425	826.5	-14.98	31.208	14.08	25.57	H
	20525	836.5	-15.04	31.3	14.11	25.76	
	20625	846.5	-15.03	31.222	14.04	25.36	
	20425	826.5	-19.22	31.504	10.13	10.31	V
	20525	836.5	-18.83	31.117	10.14	10.32	
	20625	846.5	-19.71	31.922	10.06	10.14	

LTE Band 26							
Channel Bandwidth: 1.4 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	26797	824.7	-14.02	31.208	15.04	31.90	H
	26915	836.5	-14.08	31.3	15.07	32.14	
	27033	848.3	-14.04	31.222	15.03	31.86	
	26797	824.7	-18.32	31.504	11.03	12.69	V
	26915	836.5	-17.92	31.117	11.05	12.73	
	27033	848.3	-18.73	31.922	11.04	12.71	
Channel Bandwidth: 1.4 MHz / 16QAM							
Z	26797	824.7	-15.04	31.208	14.02	25.22	H
	26915	836.5	-15.10	31.3	14.05	25.41	
	27033	848.3	-15.06	31.222	14.01	25.19	
	26797	824.7	-19.36	31.504	9.99	9.99	V
	26915	836.5	-18.95	31.117	10.02	10.04	
	27033	848.3	-19.75	31.922	10.02	10.05	

LTE Band 26							
Channel Bandwidth: 3 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	26805	825.5	-14.02	31.208	15.04	31.90	H
	26915	836.5	-14.10	31.3	15.05	31.99	
	27025	847.5	-14.02	31.222	15.05	32.00	
	26805	825.5	-18.30	31.504	11.05	12.75	V
	26915	836.5	-17.94	31.117	11.03	12.67	
	27025	847.5	-18.77	31.922	11.00	12.60	
Channel Bandwidth: 3 MHz / 16QAM							
Z	26805	825.5	-15.01	31.208	14.05	25.40	H
	26915	836.5	-15.12	31.3	14.03	25.29	
	27025	847.5	-15.06	31.222	14.01	25.19	
	26805	825.5	-19.32	31.504	10.03	10.08	V
	26915	836.5	-18.95	31.117	10.02	10.04	
	27025	847.5	-19.78	31.922	9.99	9.98	

LTE Band 26							
Channel Bandwidth: 5 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	26815	826.5	-14.01	31.208	15.05	31.97	H
	26915	836.5	-14.06	31.3	15.09	32.28	
	27015	846.5	-14.03	31.222	15.04	31.93	
	26815	826.5	-18.33	31.504	11.02	12.66	V
	26919	836.5	-17.92	31.117	11.05	12.73	
	27015	846.5	-18.75	31.922	11.02	12.65	
Channel Bandwidth: 5 MHz / 16QAM							
Z	26815	826.5	-15.00	31.208	14.06	25.46	H
	26915	836.5	-15.04	31.3	14.11	25.76	
	27015	846.5	-15.06	31.222	14.01	25.19	
	26815	826.5	-19.30	31.504	10.05	10.13	V
	26919	836.5	-18.90	31.117	10.07	10.16	
	27015	846.5	-19.71	31.922	10.06	10.14	

LTE Band 26							
Channel Bandwidth: 10 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	26840	829.0	-14.00	31.208	15.06	32.05	H
	26915	836.5	-14.02	31.3	15.13	32.58	
	26990	844.0	-14.00	31.222	15.07	32.15	
	26840	829.0	-18.26	31.504	11.09	12.86	V
	26919	836.5	-17.85	31.117	11.12	12.93	
	26990	844.0	-18.71	31.922	11.06	12.77	
Channel Bandwidth: 10 MHz / 16QAM							
Z	26840	829.0	-14.96	31.208	14.10	25.69	H
	26915	836.5	-15.00	31.3	14.15	26.00	
	26990	844.0	-14.98	31.222	14.09	25.66	
	26840	829.0	-19.25	31.504	10.10	10.24	V
	26919	836.5	-18.82	31.117	10.15	10.34	
	26990	844.0	-19.70	31.922	10.07	10.17	

LTE Band 26							
Channel Bandwidth: 15 MHz / QPSK							
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
Z	26865	831.5	-13.92	31.208	15.14	32.64	H
	26915	836.5	-13.99	31.3	15.16	32.81	
	26965	841.5	-13.98	31.222	15.09	32.30	
	26865	831.5	-18.20	31.504	11.15	13.04	V
	26915	836.5	-17.78	31.117	11.19	13.14	
	26965	841.5	-18.68	31.922	11.09	12.86	
Channel Bandwidth: 15 MHz / 16QAM							
Z	26865	831.5	-14.90	31.208	14.16	26.05	H
	26915	836.5	-14.96	31.3	14.19	26.24	
	26965	841.5	-14.92	31.222	14.15	26.01	
	26865	831.5	-19.15	31.504	10.20	10.48	V
	26915	836.5	-18.75	31.117	10.22	10.51	
	26965	841.5	-19.66	31.922	10.11	10.26	

4.2 Frequency Stability Measurement

4.2.1 Limits of Frequency Stability Measurement

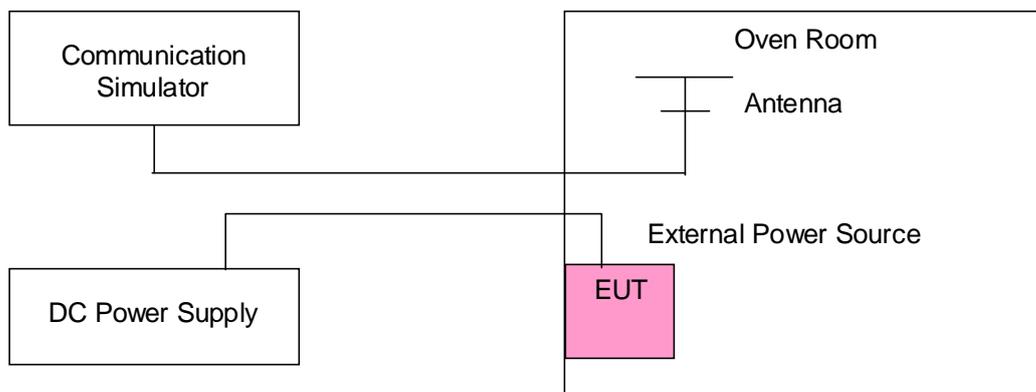
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

4.2.2 Test Procedure

- 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.
- 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.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ± 0.5 °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.

4.2.3 Test Setup



4.2.4 Test Results

Frequency Error vs. Voltage

Voltage (Volts)	WCDMA				Limit (ppm)
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	826.400004	0.004	846.600002	0.002	2.5
6.54	826.400002	0.003	846.600001	0.002	2.5
8.85	826.400001	0.001	846.600004	0.004	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	WCDMA				Limit (ppm)
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	826.400001	0.001	846.600003	0.004	2.5
-20	826.400003	0.004	846.600004	0.004	2.5
-10	826.400003	0.003	846.600001	0.001	2.5
0	826.400004	0.005	846.600004	0.004	2.5
10	826.400003	0.003	846.600001	0.001	2.5
20	826.399998	-0.002	846.599998	-0.002	2.5
30	826.399998	-0.003	846.599997	-0.003	2.5
40	826.399997	-0.004	846.599996	-0.005	2.5
50	826.399999	-0.001	846.599996	-0.004	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 5				Limit (ppm)
	Channel Bandwidth: 1.4 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	824.700004	0.005	848.300003	0.004	2.5
6.54	824.700002	0.003	848.300004	0.004	2.5
8.85	824.700004	0.005	848.300004	0.004	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	LTE Band 5				Limit (ppm)
	Channel Bandwidth: 1.4 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	824.700003	0.003	848.300001	0.002	2.5
-20	824.700002	0.002	848.300002	0.003	2.5
-10	824.700002	0.003	848.300003	0.004	2.5
0	824.700002	0.002	848.300002	0.002	2.5
10	824.700002	0.002	848.300002	0.002	2.5
20	824.699997	-0.004	848.299997	-0.004	2.5
30	824.699999	-0.001	848.299998	-0.003	2.5
40	824.699996	-0.005	848.299997	-0.003	2.5
50	824.699999	-0.001	848.299998	-0.003	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 5				Limit (ppm)
	Channel Bandwidth: 3 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	825.500002	0.003	847.500001	0.001	2.5
6.54	825.500002	0.003	847.500002	0.002	2.5
8.85	825.500002	0.002	847.500002	0.002	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	LTE Band 5				Limit (ppm)
	Channel Bandwidth: 3 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	825.500003	0.003	847.500003	0.004	2.5
-20	825.500003	0.004	847.500002	0.002	2.5
-10	825.500001	0.002	847.500003	0.004	2.5
0	825.500002	0.002	847.500003	0.003	2.5
10	825.500003	0.004	847.500001	0.001	2.5
20	825.499998	-0.003	847.499998	-0.002	2.5
30	825.499999	-0.001	847.499998	-0.002	2.5
40	825.499998	-0.003	847.499998	-0.002	2.5
50	825.499998	-0.002	847.499997	-0.004	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 5				Limit (ppm)
	Channel Bandwidth: 5 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	826.500002	0.003	846.500003	0.003	2.5
6.54	826.500001	0.002	846.500004	0.005	2.5
8.85	826.500002	0.003	846.500003	0.004	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	LTE Band 5				Limit (ppm)
	Channel Bandwidth: 5 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	826.500001	0.001	846.500003	0.003	2.5
-20	826.500001	0.001	846.500002	0.002	2.5
-10	826.500003	0.004	846.500003	0.004	2.5
0	826.500004	0.005	846.500003	0.004	2.5
10	826.500003	0.004	846.500002	0.002	2.5
20	826.499997	-0.004	846.499997	-0.003	2.5
30	826.499997	-0.004	846.499999	-0.002	2.5
40	826.499999	-0.002	846.499997	-0.004	2.5
50	826.499998	-0.002	846.499998	-0.002	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 5				Limit (ppm)
	Channel Bandwidth: 10 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	829.000004	0.005	844.000002	0.002	2.5
6.54	829.000004	0.005	844.000004	0.004	2.5
8.85	829.000003	0.004	844.000002	0.002	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	LTE Band 5				Limit (ppm)
	Channel Bandwidth: 10 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	829.000004	0.004	844.000002	0.003	2.5
-20	829.000001	0.001	844.000001	0.002	2.5
-10	829.000004	0.004	844.000001	0.001	2.5
0	829.000002	0.003	844.000002	0.002	2.5
10	829.000004	0.004	844.000003	0.004	2.5
20	828.999997	-0.004	843.999999	-0.001	2.5
30	828.999999	-0.001	843.999997	-0.003	2.5
40	828.999999	-0.001	843.999999	-0.001	2.5
50	828.999998	-0.003	843.999997	-0.004	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 1.4 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	824.700001	0.001	848.300001	0.002	2.5
6.54	824.700003	0.004	848.300001	0.002	2.5
8.85	824.700002	0.003	848.300003	0.003	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 1.4 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	824.700003	0.003	848.300003	0.004	2.5
-20	824.700004	0.004	848.300002	0.003	2.5
-10	824.700001	0.001	848.300002	0.002	2.5
0	824.700001	0.002	848.300003	0.004	2.5
10	824.700003	0.003	848.300004	0.005	2.5
20	824.699997	-0.004	848.299999	-0.002	2.5
30	824.699996	-0.004	848.299997	-0.004	2.5
40	824.699998	-0.002	848.299997	-0.004	2.5
50	824.699996	-0.005	848.299996	-0.004	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 3 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	825.500004	0.004	847.500004	0.005	2.5
6.54	825.500003	0.003	847.500003	0.003	2.5
8.85	825.500004	0.005	847.500004	0.004	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 3 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	825.500004	0.004	847.500004	0.004	2.5
-20	825.500003	0.003	847.500004	0.004	2.5
-10	825.500004	0.004	847.500003	0.004	2.5
0	825.500003	0.004	847.500003	0.003	2.5
10	825.500003	0.004	847.500003	0.003	2.5
20	825.499996	-0.005	847.499996	-0.005	2.5
30	825.499996	-0.005	847.499999	-0.001	2.5
40	825.499998	-0.002	847.499997	-0.004	2.5
50	825.499998	-0.003	847.499997	-0.004	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 5 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	826.500001	0.001	846.500001	0.001	2.5
6.54	826.500002	0.003	846.500001	0.001	2.5
8.85	826.500002	0.002	846.500002	0.002	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 5 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	826.500002	0.002	846.500004	0.005	2.5
-20	826.500004	0.004	846.500003	0.004	2.5
-10	826.500003	0.004	846.500002	0.002	2.5
0	826.500004	0.004	846.500001	0.001	2.5
10	826.500002	0.002	846.500002	0.003	2.5
20	826.499999	-0.002	846.499997	-0.003	2.5
30	826.499998	-0.002	846.499996	-0.005	2.5
40	826.499997	-0.004	846.499998	-0.002	2.5
50	826.499999	-0.001	846.499999	-0.002	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 10 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	829.000004	0.005	844.000003	0.003	2.5
6.54	829.000003	0.004	844.000003	0.003	2.5
8.85	829.000003	0.003	844.000003	0.004	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

Temp. (°C)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 10 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	829.000001	0.001	844.000003	0.004	2.5
-20	829.000004	0.005	844.000002	0.002	2.5
-10	829.000002	0.003	844.000002	0.002	2.5
0	829.000003	0.003	844.000001	0.002	2.5
10	829.000001	0.001	844.000002	0.002	2.5
20	828.999998	-0.002	843.999996	-0.005	2.5
30	828.999996	-0.004	843.999996	-0.004	2.5
40	828.999996	-0.005	843.999997	-0.004	2.5
50	828.999997	-0.003	843.999997	-0.003	2.5

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 15 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
7.7	831.500004	0.004	841.500003	0.004	2.5
6.54	831.500001	0.001	841.500001	0.002	2.5
8.85	831.500002	0.003	841.500001	0.001	2.5

Note: The applicant defined the normal working voltage of the battery is from 6.54 Vdc to 8.85 Vdc.

Frequency Error vs. Temperature

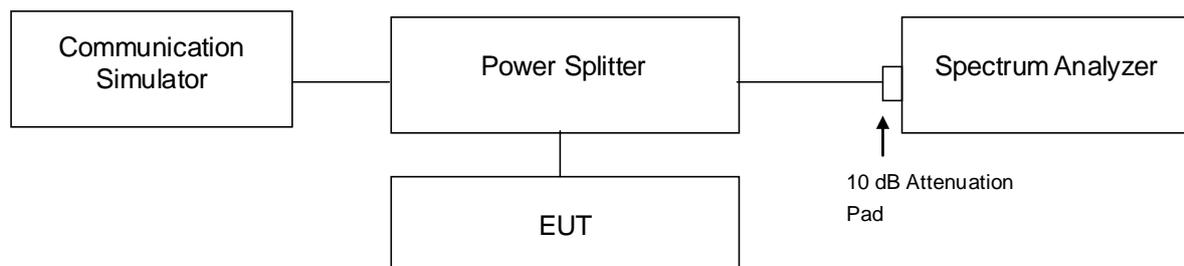
Temp. (°C)	LTE Band 26				Limit (ppm)
	Channel Bandwidth: 15 MHz				
	Low Channel		High Channel		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-30	831.500003	0.003	841.500001	0.001	2.5
-20	831.500002	0.003	841.500003	0.004	2.5
-10	831.500004	0.005	841.500002	0.003	2.5
0	831.500003	0.004	841.500003	0.004	2.5
10	831.500003	0.004	841.500003	0.004	2.5
20	831.499997	-0.003	841.499999	-0.001	2.5
30	831.499997	-0.004	841.499999	-0.002	2.5
40	831.499997	-0.004	841.499999	-0.002	2.5
50	831.499997	-0.004	841.499998	-0.002	2.5

4.3 Occupied Bandwidth Measurement

4.3.1 Test Procedure

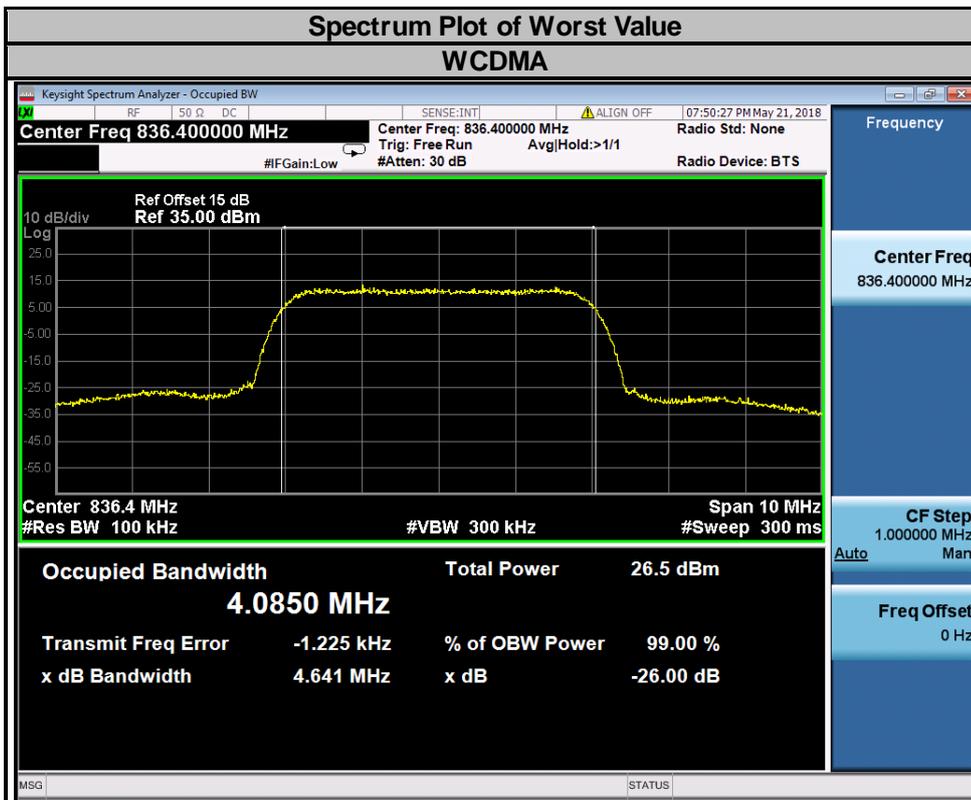
The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function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

4.3.2 Test Setup

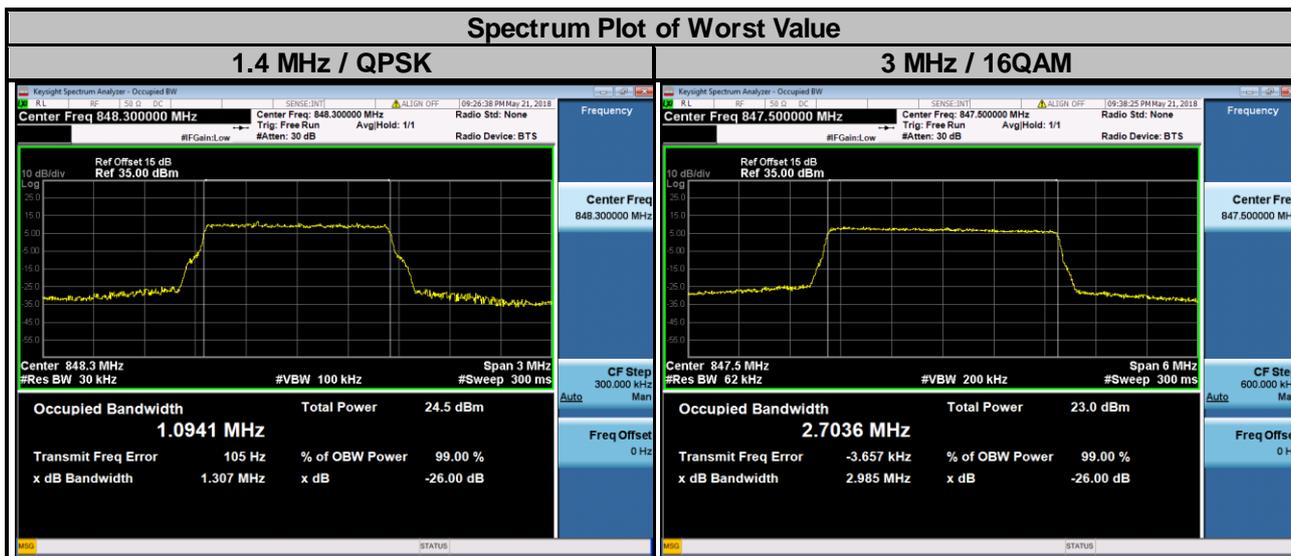


4.3.3 Test Result

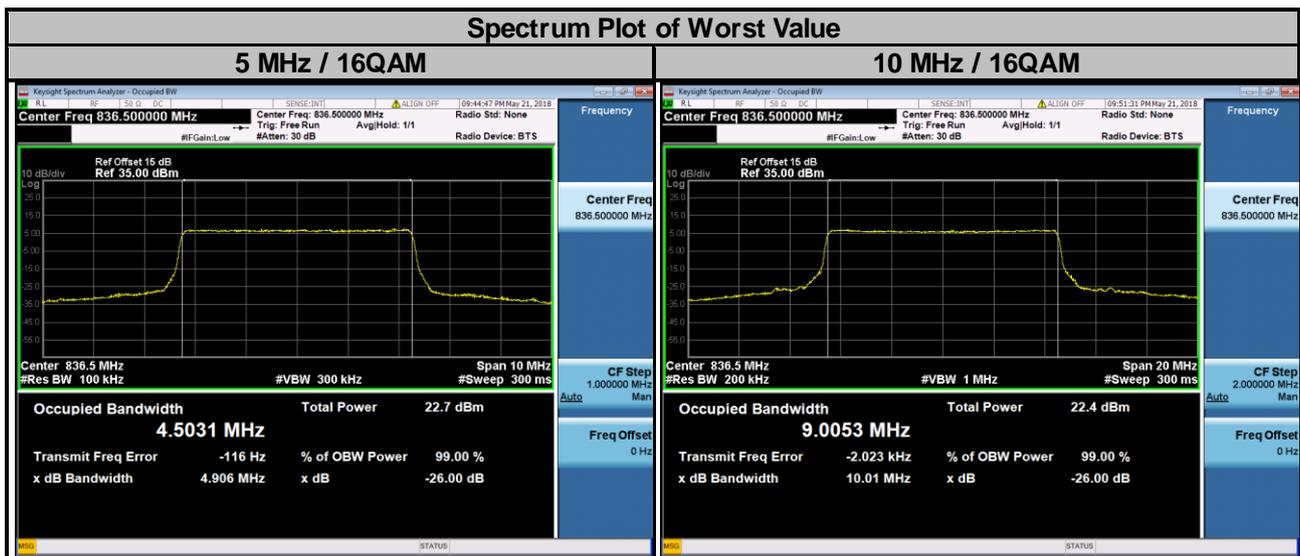
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)
		WCDMA
4132	826.4	4.0691
4182	836.4	4.0850
4233	846.6	4.0750



LTE Band 5							
Channel Bandwidth: 1.4 MHz				Channel Bandwidth: 3 MHz			
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)		Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM			QPSK	16QAM
20407	824.7	1.0923	1.0927	20415	825.5	2.7007	2.7031
20525	836.5	1.0938	1.0929	20525	836.5	2.7040	2.7019
20643	848.3	1.0941	1.0918	20635	847.5	2.7031	2.7036



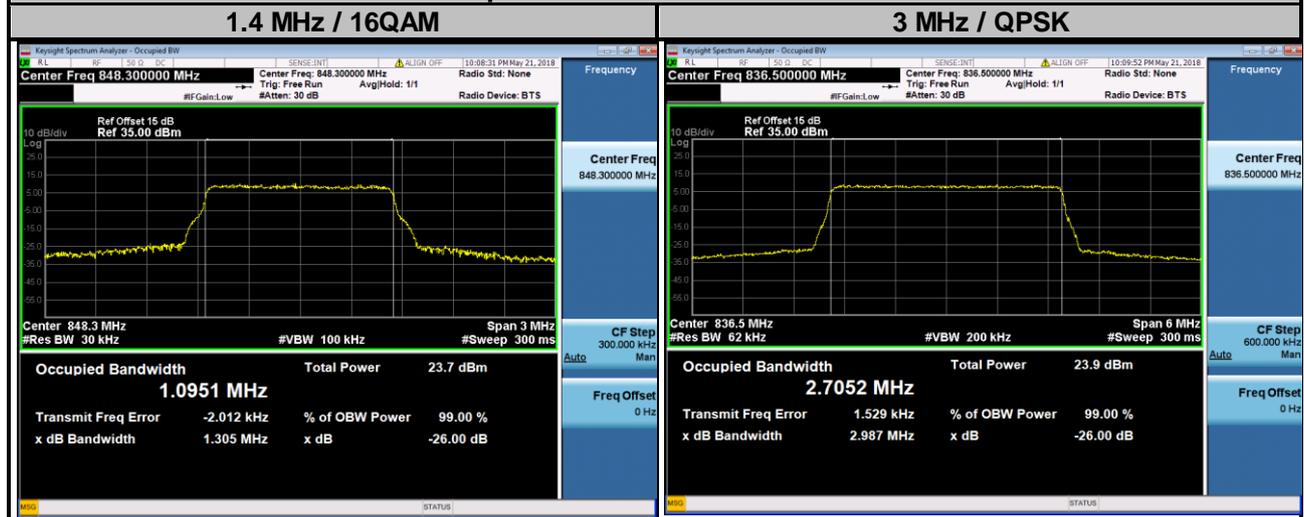
LTE Band 5							
Channel Bandwidth: 5 MHz				Channel Bandwidth: 10 MHz			
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)		Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM			QPSK	16QAM
20425	826.5	4.4928	4.4913	20450	829.0	8.9586	8.9570
20525	836.5	4.4994	4.5031	20525	836.5	9.0043	9.0053
20625	846.5	4.4874	4.4900	20600	844.0	8.9512	8.9504



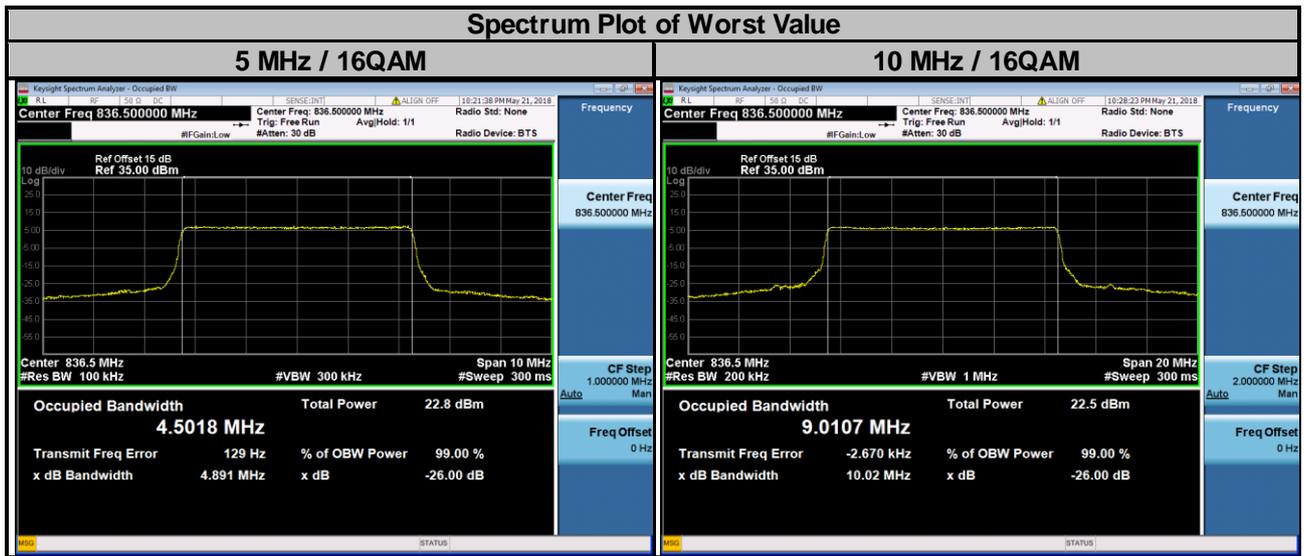
LTE Band 26

Channel Bandwidth: 1.4 MHz				Channel Bandwidth: 3 MHz			
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)		Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM			QPSK	16QAM
26797	824.7	1.0914	1.0939	26805	825.5	2.7013	2.7025
26915	836.5	1.0914	1.0910	26915	836.5	2.7052	2.7046
27033	848.3	1.0921	1.0951	27025	847.5	2.7024	2.7040

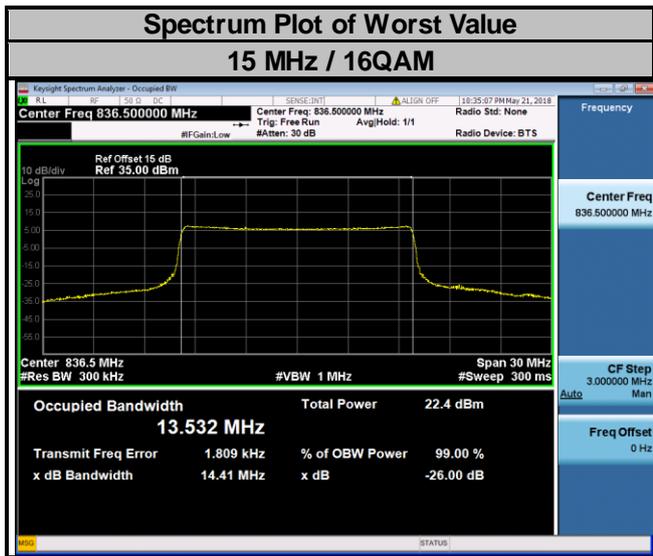
Spectrum Plot of Worst Value



LTE Band 26							
Channel Bandwidth: 5 MHz				Channel Bandwidth: 10 MHz			
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)		Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM			QPSK	16QAM
26815	826.5	4.4931	4.4927	26840	829.0	8.9668	8.9613
26915	836.5	4.5001	4.5018	26915	836.5	9.0099	9.0107
27015	846.5	4.4898	4.4909	26990	844.0	8.9514	8.9481



LTE Band 26			
Channel Bandwidth: 15 MHz			
Channel	Frequency (MHz)	99 % Occupied Bandwidth (MHz)	
		QPSK	16QAM
26865	831.5	13.452	13.470
26915	836.5	13.530	13.532
26965	841.5	13.427	13.440

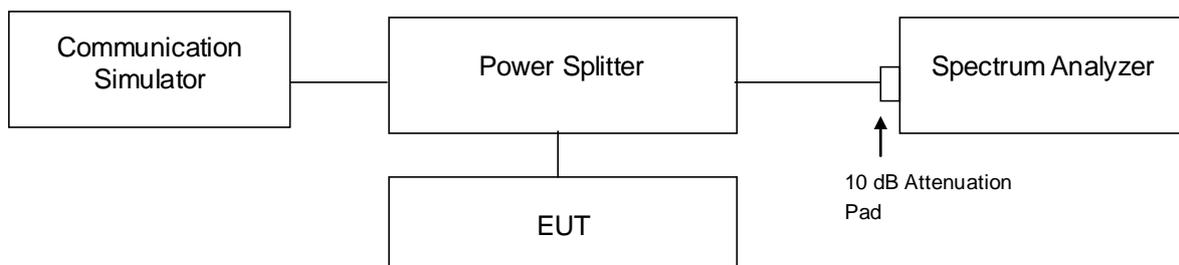


4.4 Band Edge Measurement

4.4.1 Limits of Band Edge Measurement

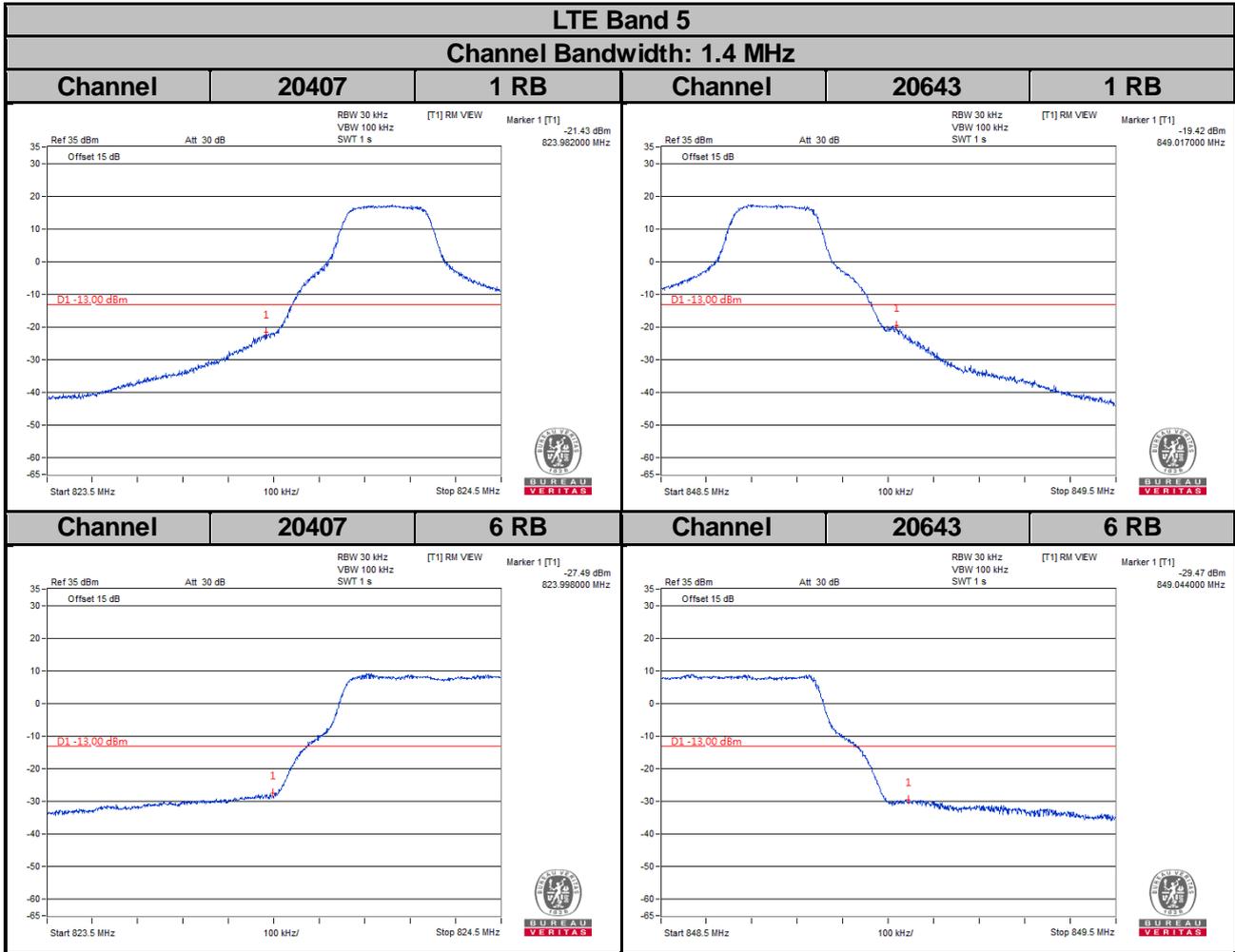
Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the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

4.4.2 Test Setup

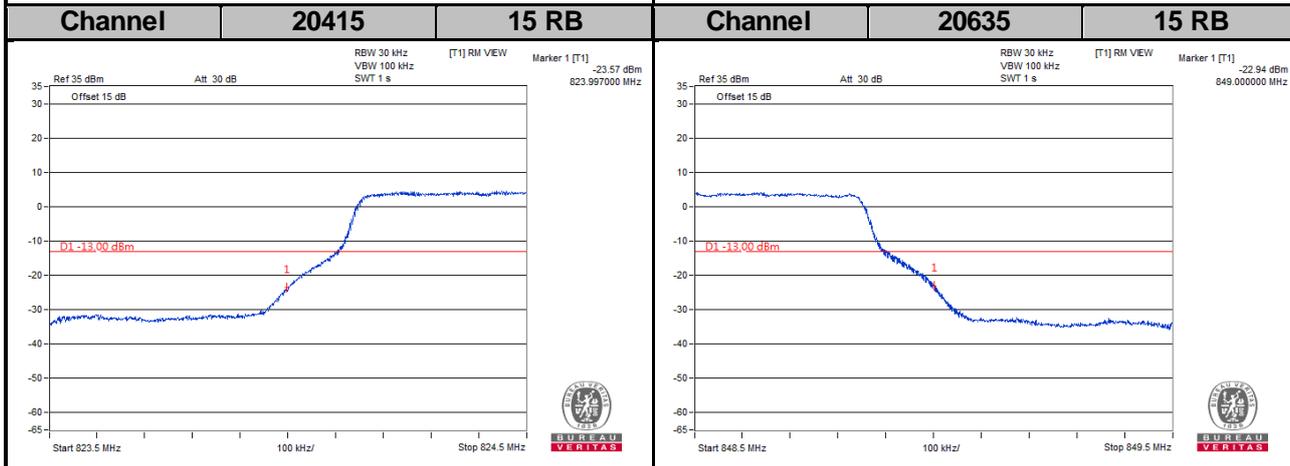
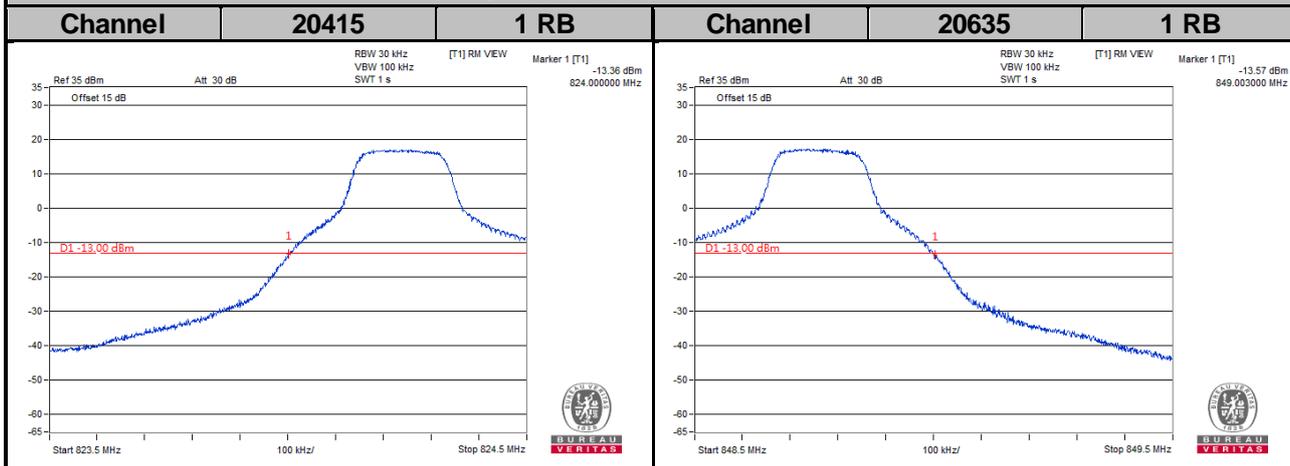


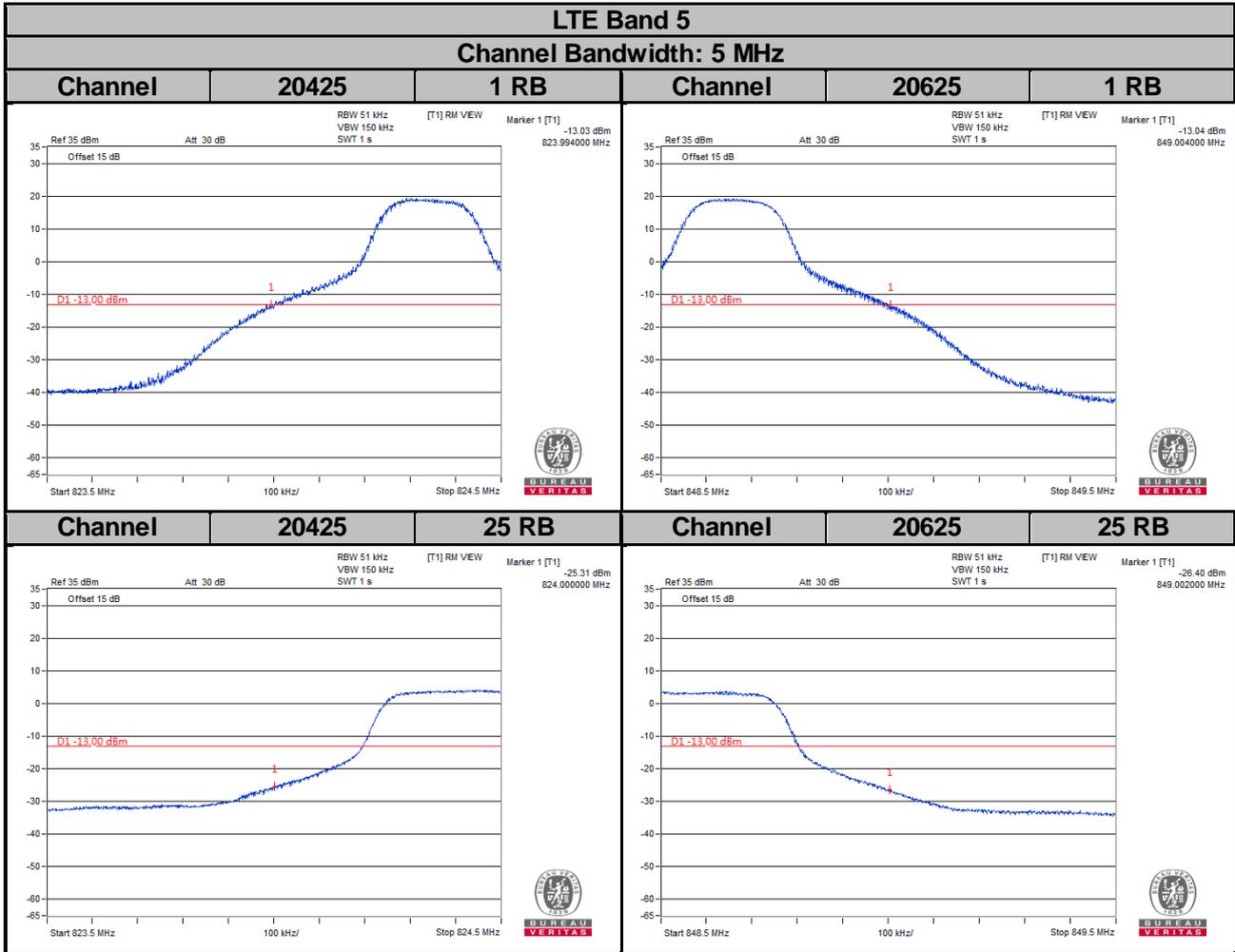
4.4.3 Test Procedures

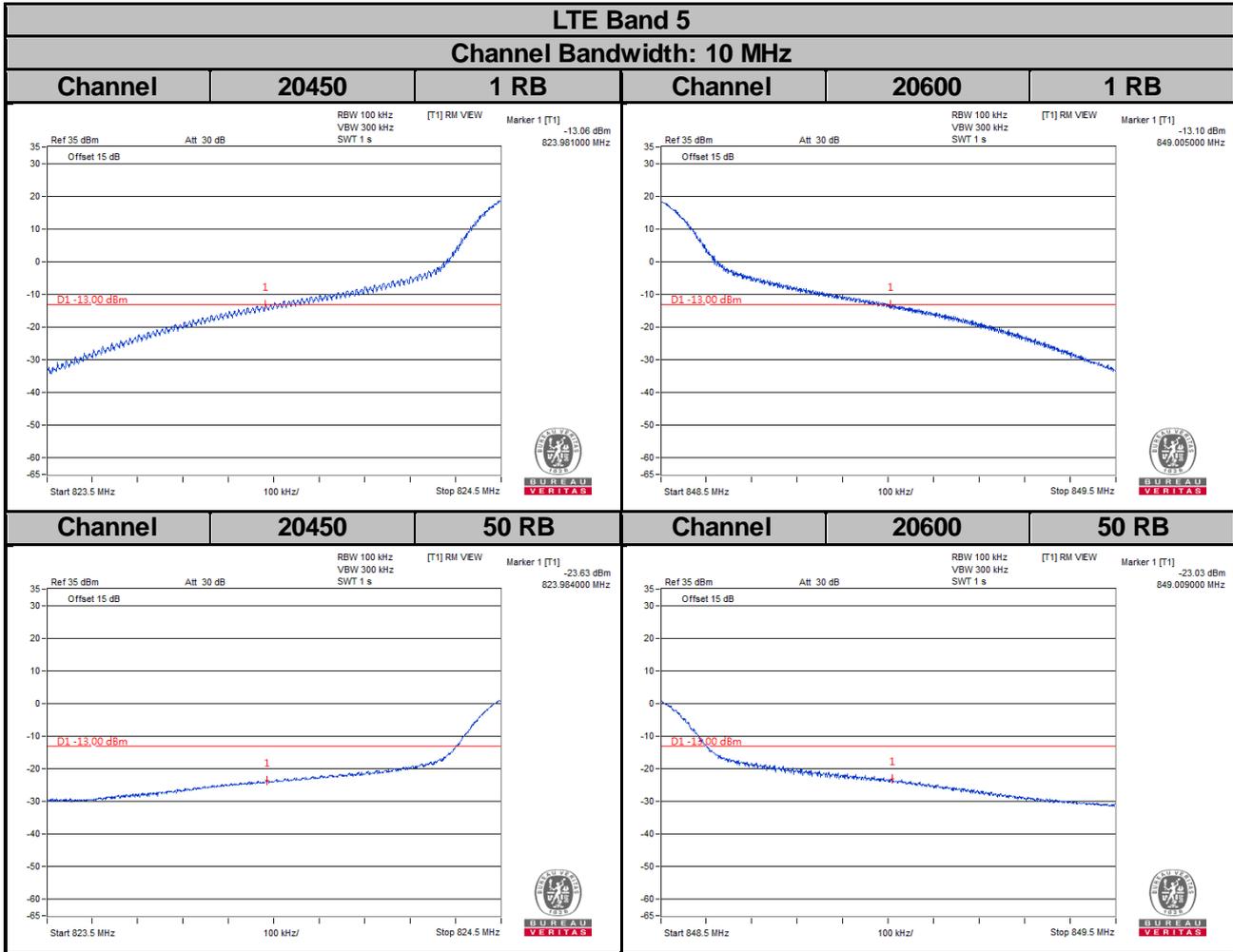
- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 5 MHz. RB of the spectrum is 100 kHz and VB of the spectrum is 300 kHz (WCDMA).
- c. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 30 kHz and VB of the spectrum is 100 kHz (LTE Bandwidth 1.4 MHz).
- d. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 30 kHz and VB of the spectrum is 100 kHz (LTE Bandwidth 3 MHz).
- e. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 51 kHz and VB of the spectrum is 150 kHz (LTE Bandwidth 5 MHz).
- f. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 100 kHz and VB of the spectrum is 300 kHz (LTE Bandwidth 10 MHz).
- g. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 150 kHz and VB of the spectrum is 470 kHz (LTE Bandwidth 15 MHz).
- h. Record the max trace plot into the test report.

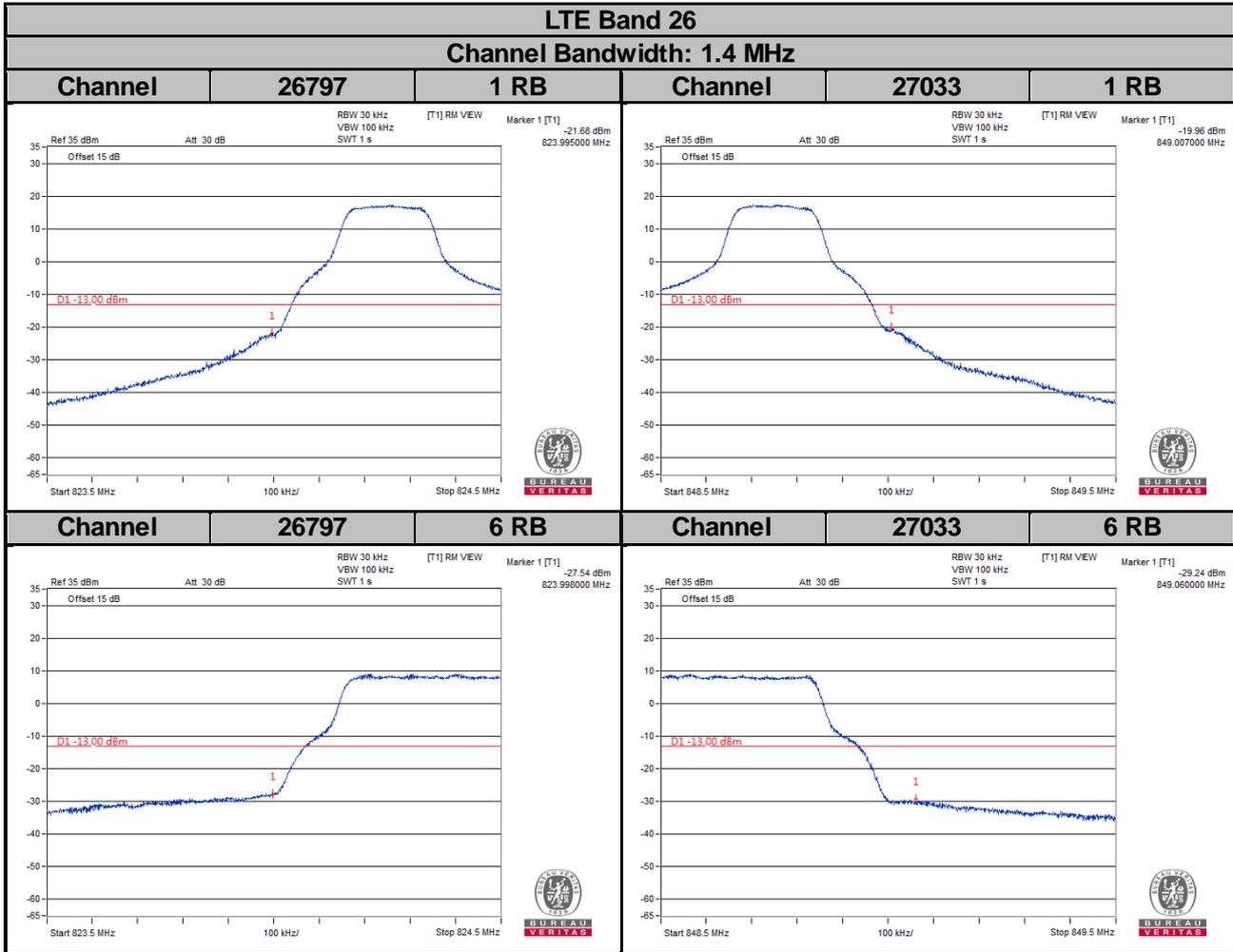


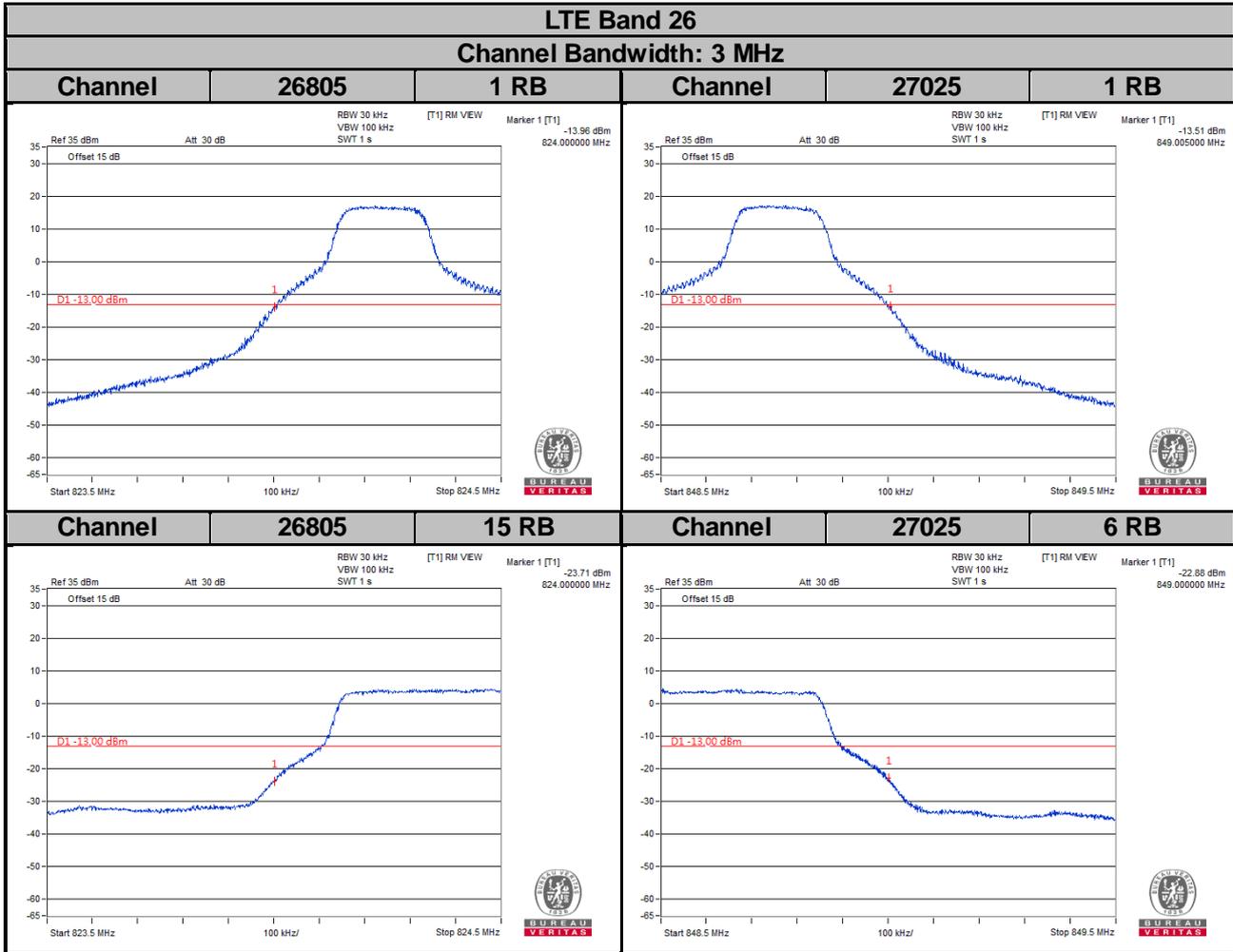
LTE Band 5
Channel Bandwidth: 3 MHz

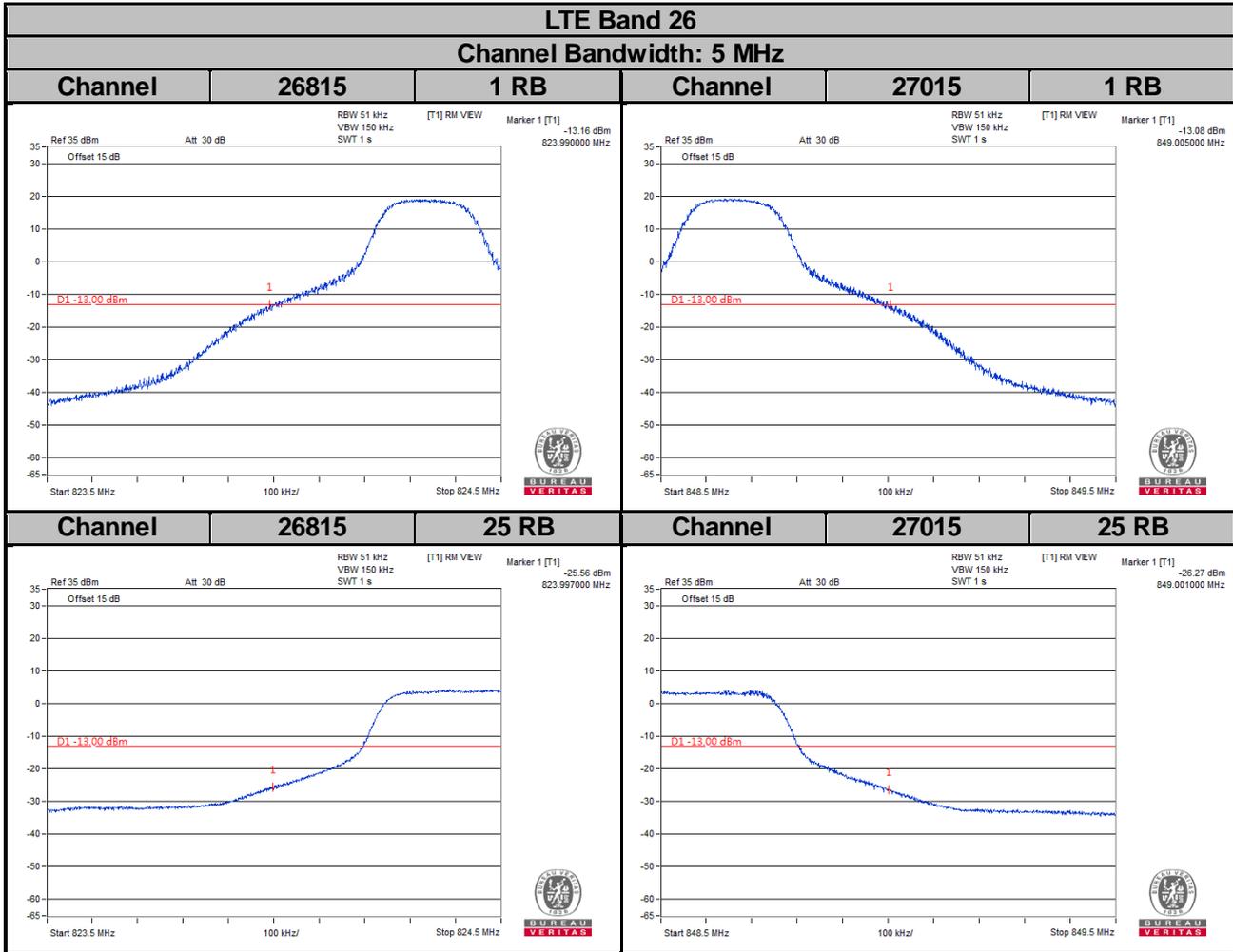


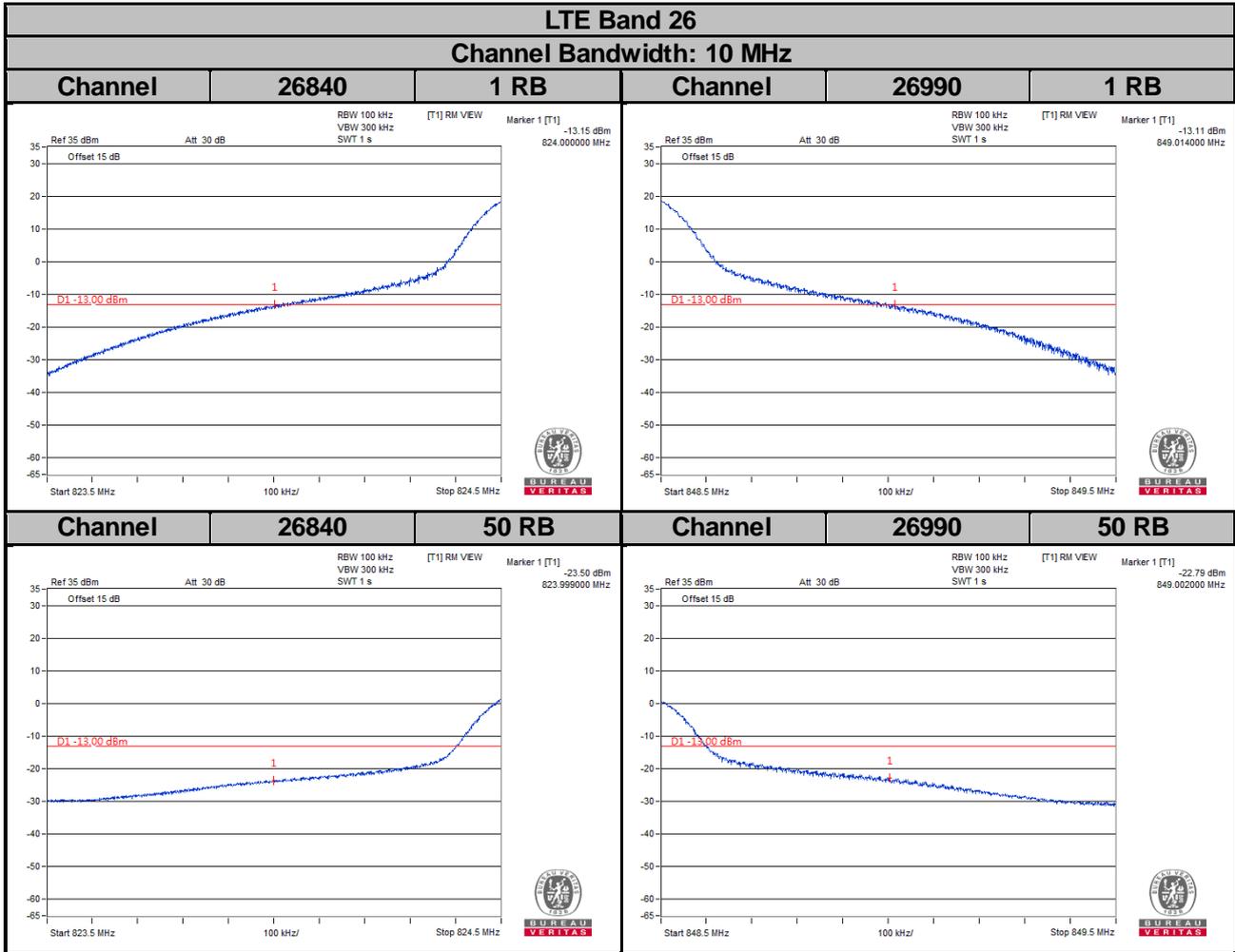






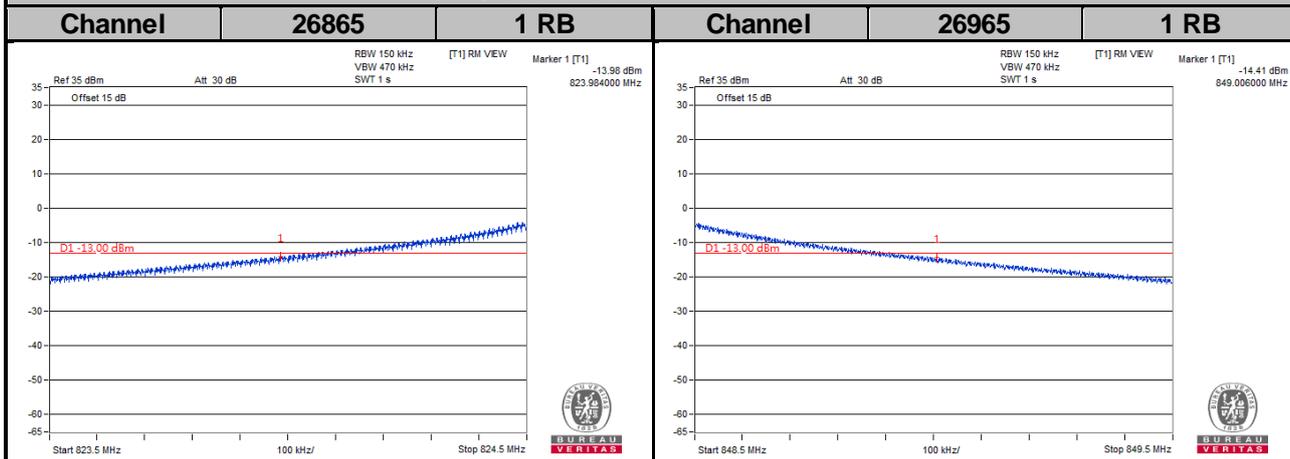




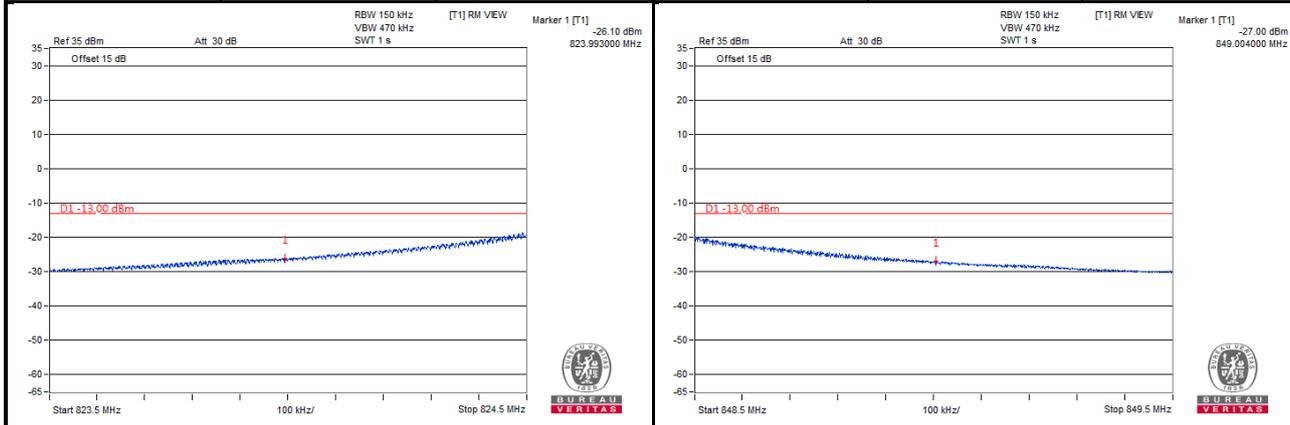


LTE Band 26

Channel Bandwidth: 15 MHz



Channel	Channel
26865 <small>RBW 150 kHz VBW 470 kHz SWT 1 s</small> <small>[T1] RM VIEW</small> <small>Marker 1 [T1]</small> <small>-26.10 dBm</small> <small>823.993000 MHz</small>	26965 <small>RBW 150 kHz VBW 470 kHz SWT 1 s</small> <small>[T1] RM VIEW</small> <small>Marker 1 [T1]</small> <small>-27.00 dBm</small> <small>849.004000 MHz</small>

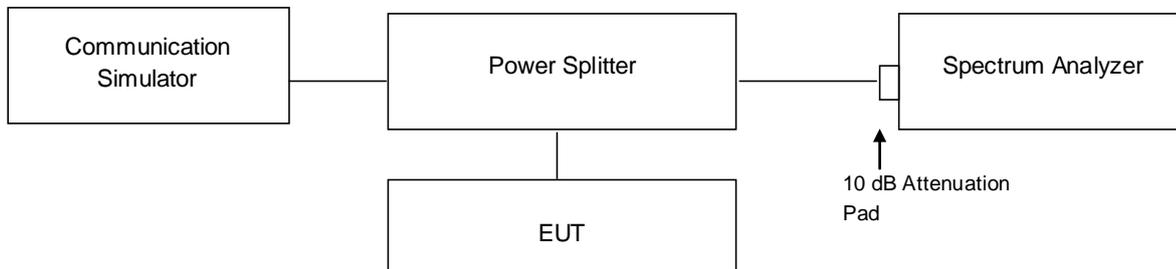


4.5 Peak to Average Ratio

4.5.1 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.

4.5.2 Test Setup

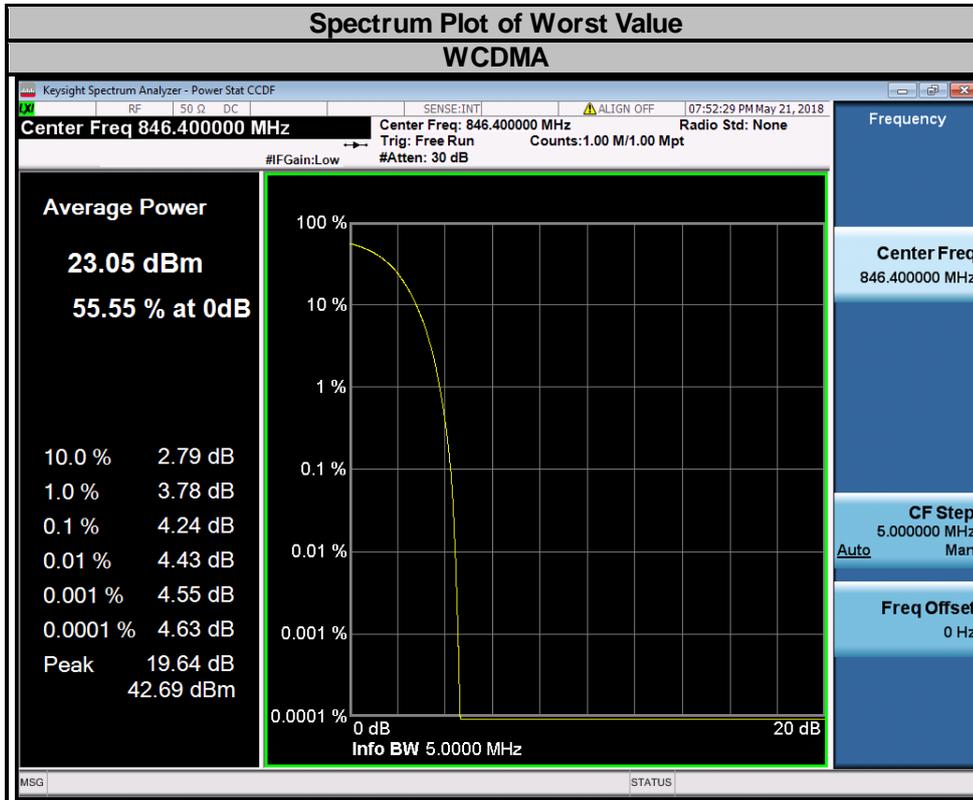


4.5.3 Test Procedures

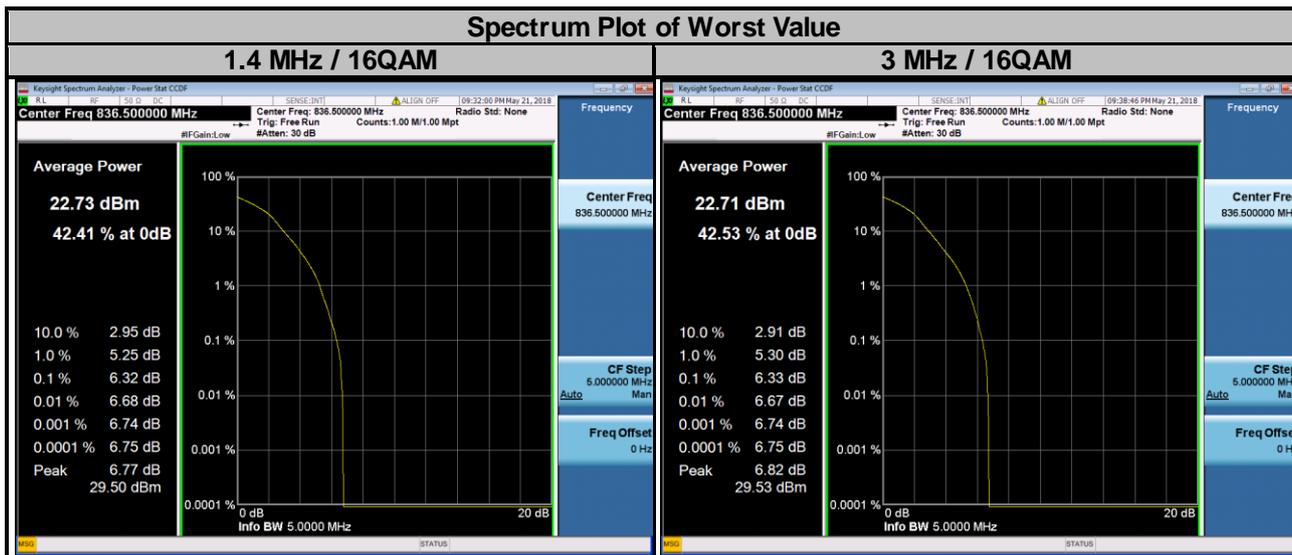
1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1 %.

4.5.4 Test Results

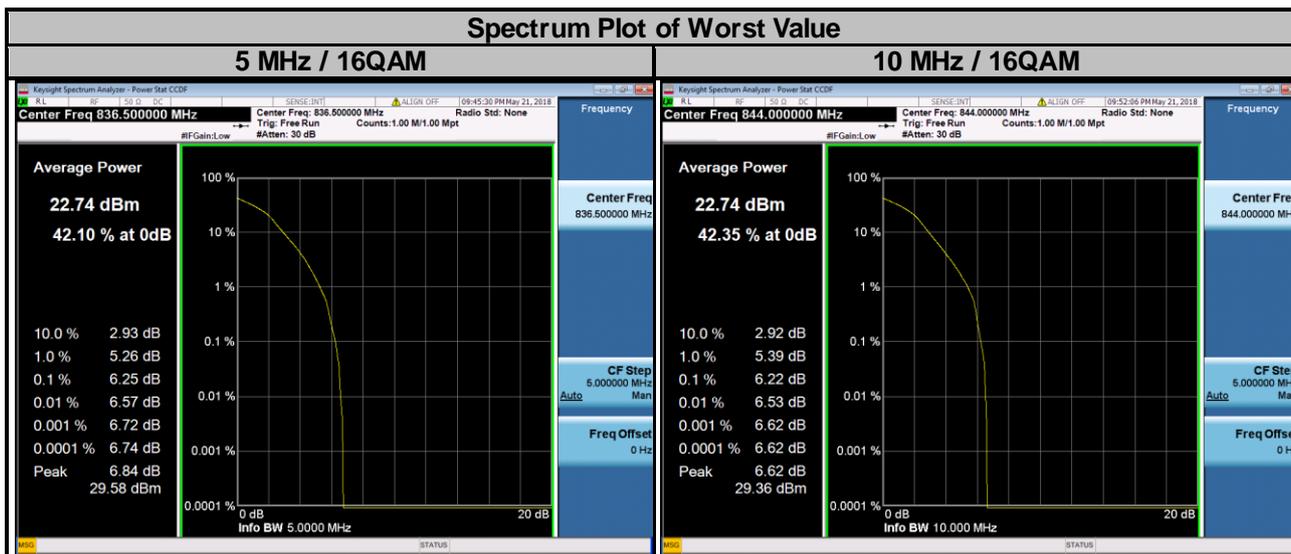
Channel	Frequency (MHz)	Peak to Average Ratio (dB)
		WCDMA
4132	826.4	3.22
4182	836.4	3.32
4233	846.6	4.24



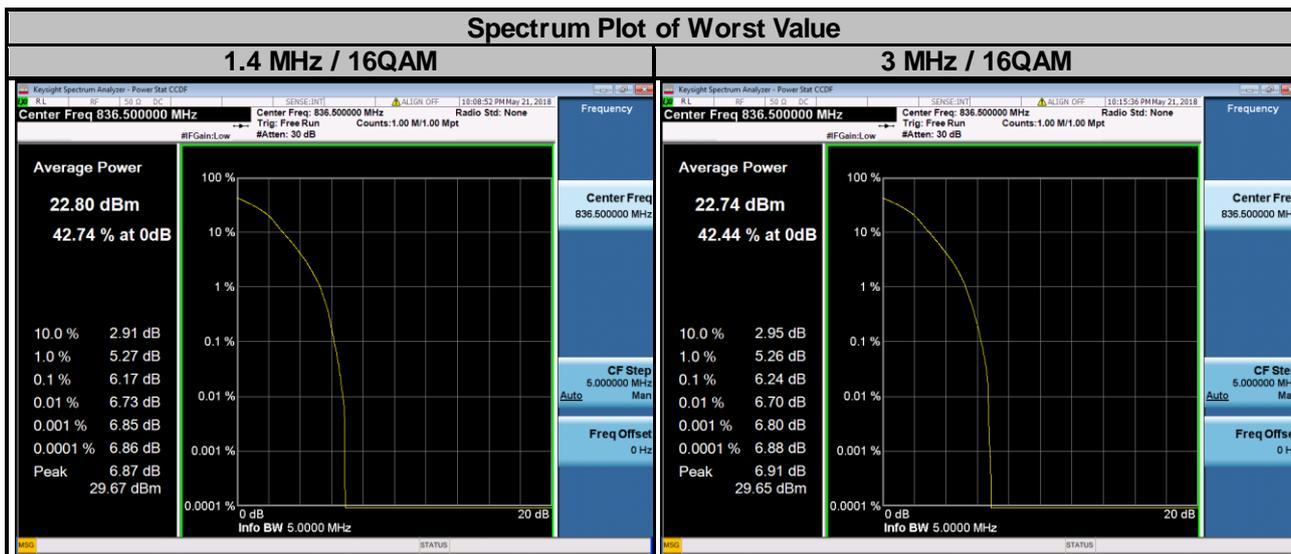
LTE Band 5							
Channel Bandwidth: 1.4 MHz				Channel Bandwidth: 3 MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
20407	824.7	5.08	5.46	20415	825.5	5.14	5.50
20525	836.5	5.37	6.32	20525	836.5	5.48	6.33
20643	848.3	4.81	5.30	20635	847.5	4.45	4.86



LTE Band 5							
Channel Bandwidth: 5 MHz				Channel Bandwidth: 10 MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
20425	826.5	5.14	5.51	20450	829.0	5.16	5.50
20525	836.5	5.36	6.25	20525	836.5	5.10	5.77
20625	846.5	4.45	4.78	20600	844.0	5.49	6.22



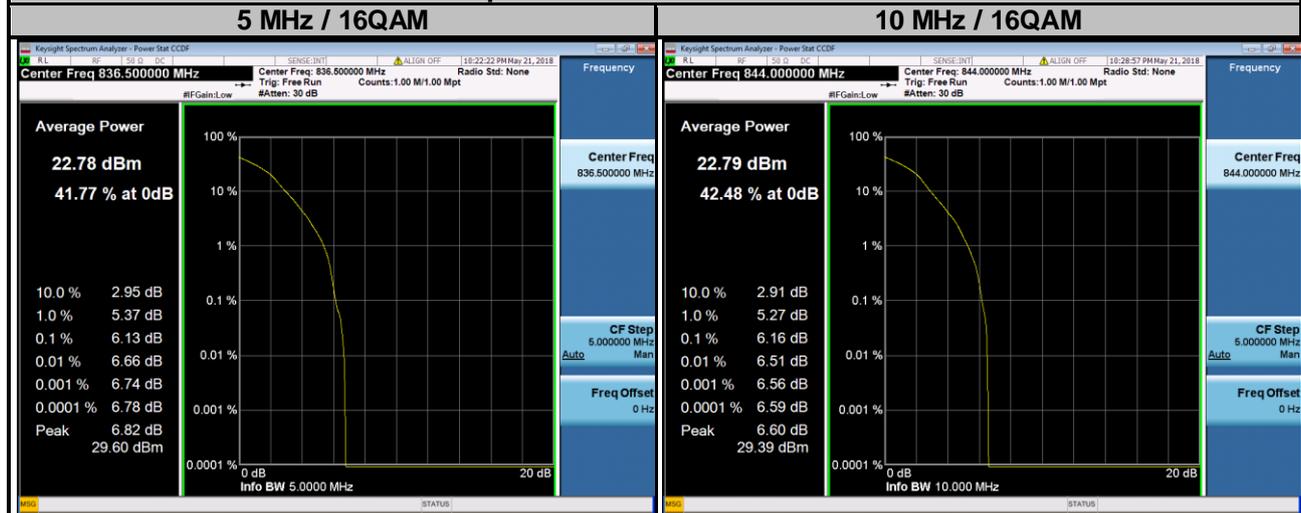
LTE Band 26							
Channel Bandwidth: 1.4 MHz				Channel Bandwidth: 3 MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
26797	824.7	5.11	5.42	26805	825.5	5.14	5.48
26915	836.5	5.37	6.17	26915	836.5	5.46	6.24
27033	848.3	4.87	5.33	27025	847.5	4.40	4.83



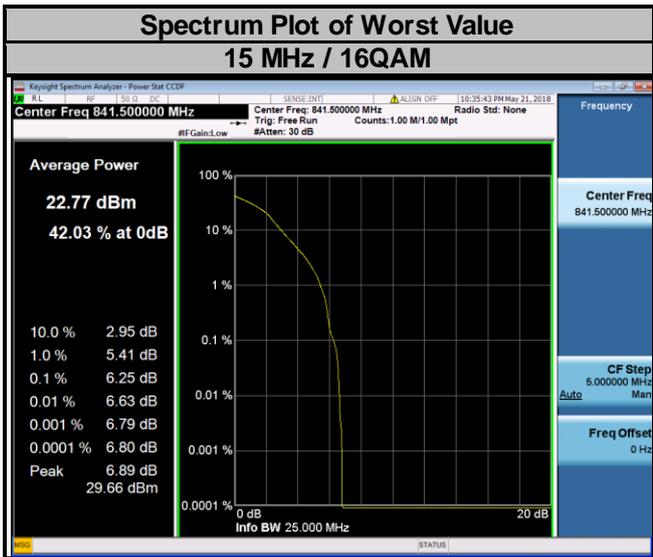
LTE Band 26

Channel Bandwidth: 5 MHz				Channel Bandwidth: 10 MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
26815	826.5	5.14	5.46	26840	829.0	5.11	5.42
26915	836.5	5.29	6.13	26915	836.5	5.09	5.60
27015	846.5	4.38	4.79	26990	844.0	5.40	6.16

Spectrum Plot of Worst Value



LTE Band 26			
Channel Bandwidth: 15 MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM
26865	831.5	5.04	5.34
26915	836.5	4.92	5.22
26965	841.5	5.36	6.25

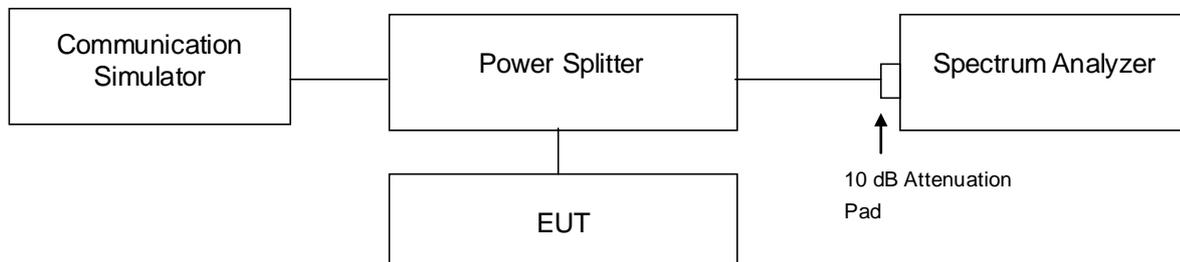


4.6 Conducted Spurious Emissions

4.6.1 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 -13 dBm.

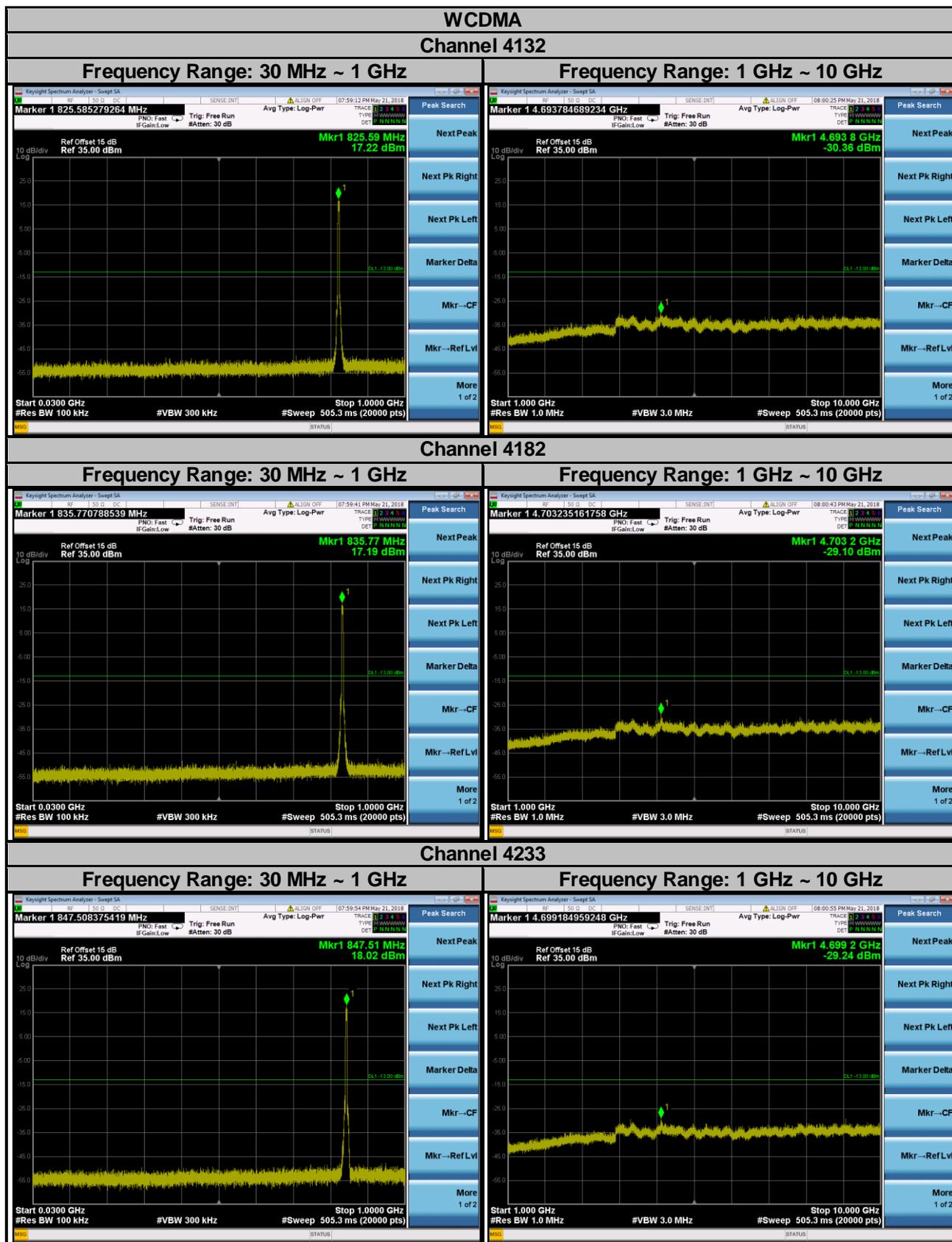
4.6.2 Test Setup



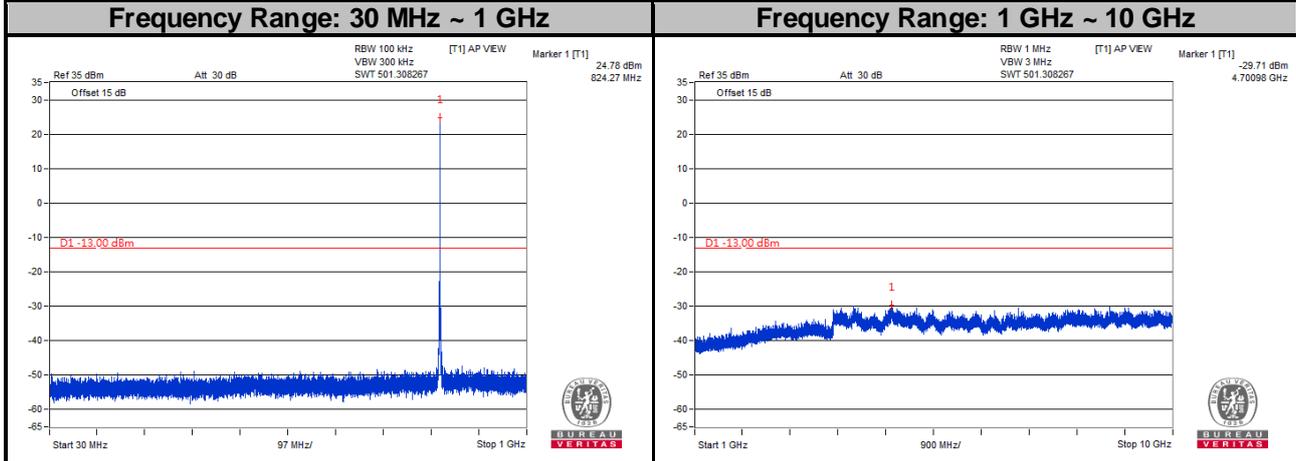
4.6.3 Test Procedure

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 30 MHz to 10 GHz. 20 dB attenuation pad is connected with spectrum. RBW = 1 MHz and VBW = 3 MHz is used for conducted emission measurement.

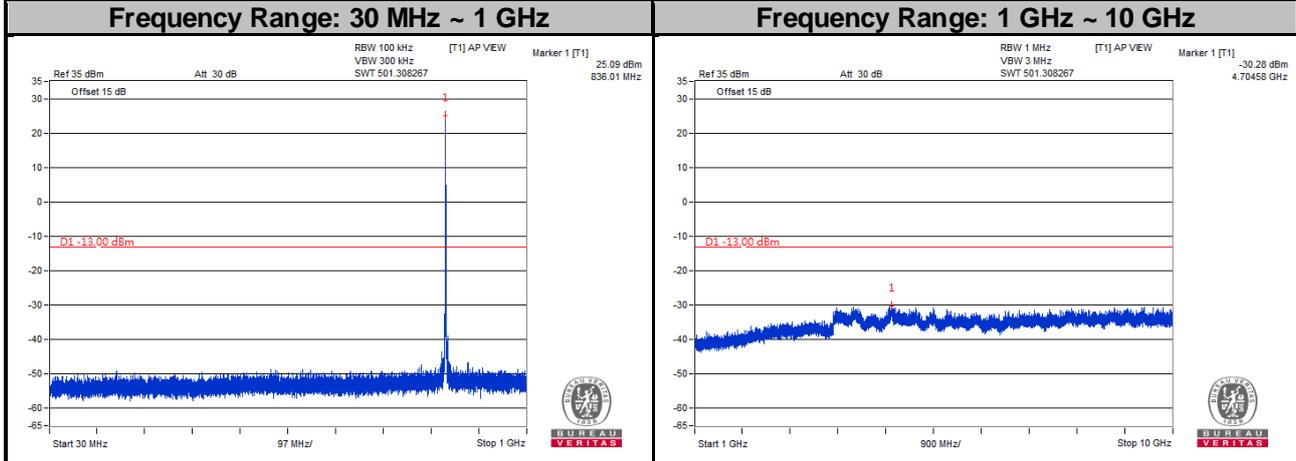
4.6.4 Test Results



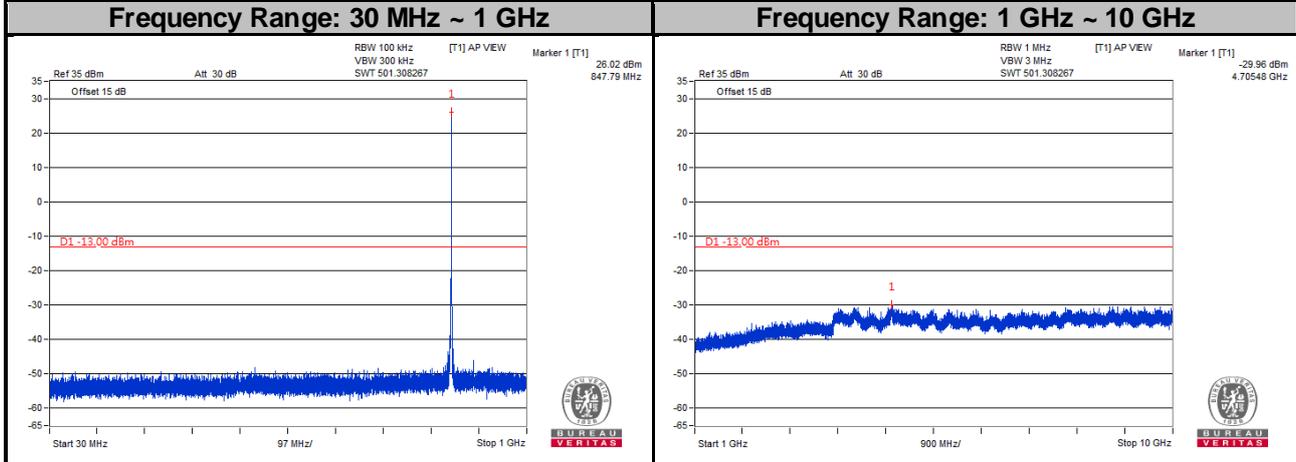
LTE Band 5
Channel Bandwidth: 1.4 MHz
Channel 20407



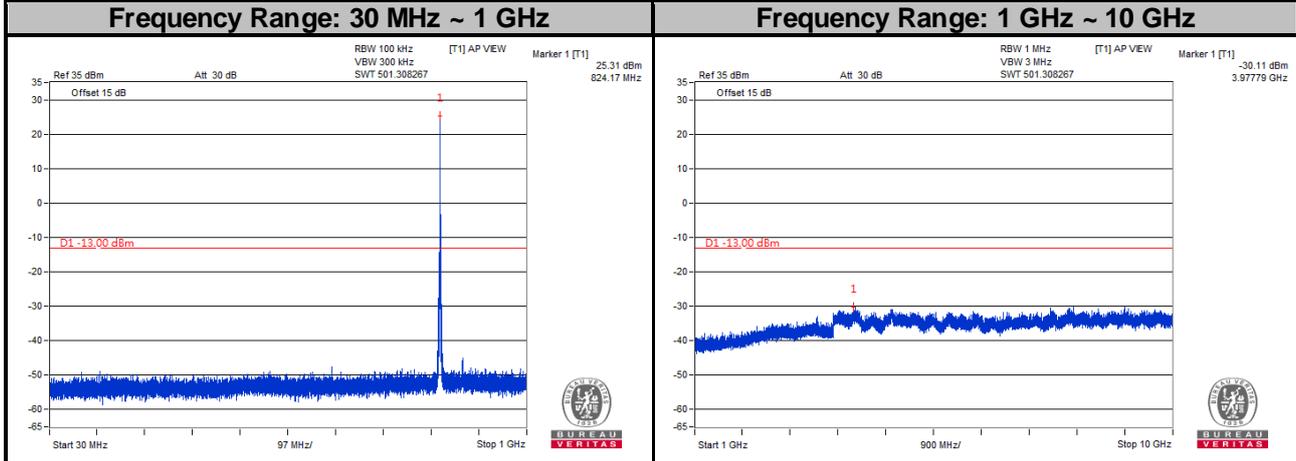
Channel 20525



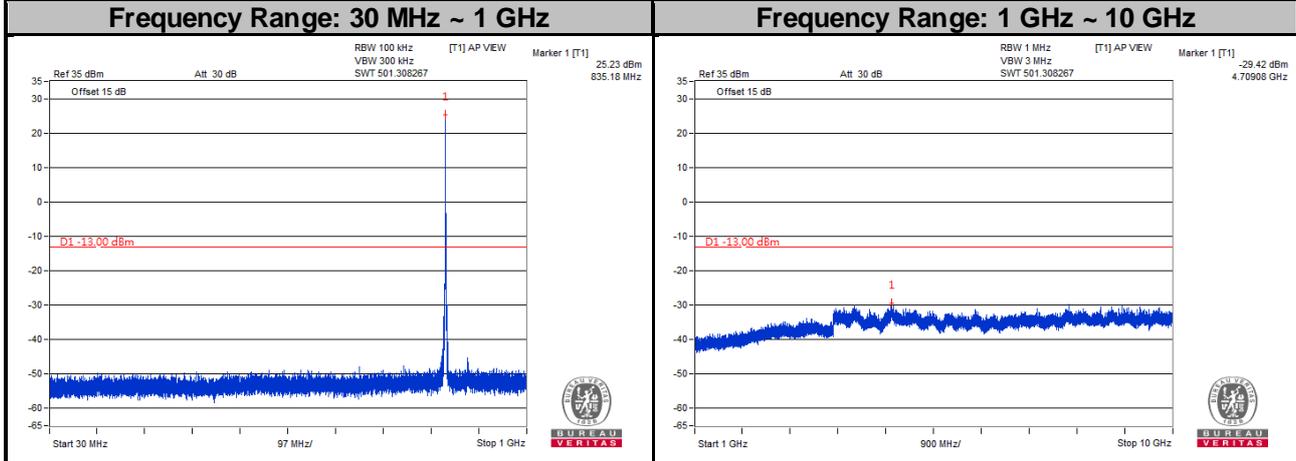
Channel 20643



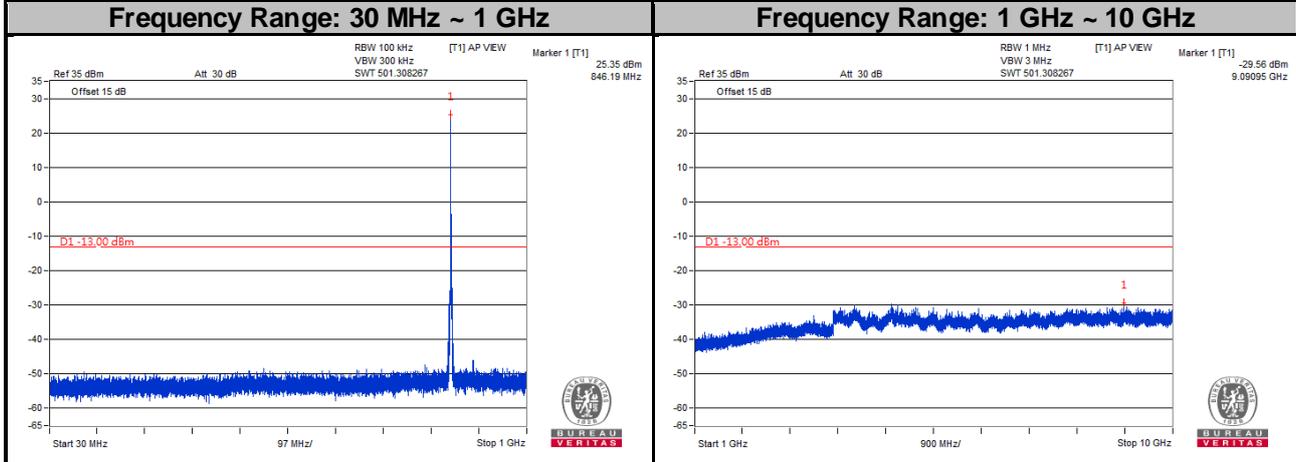
LTE Band 5
Channel Bandwidth: 3 MHz
Channel 20415



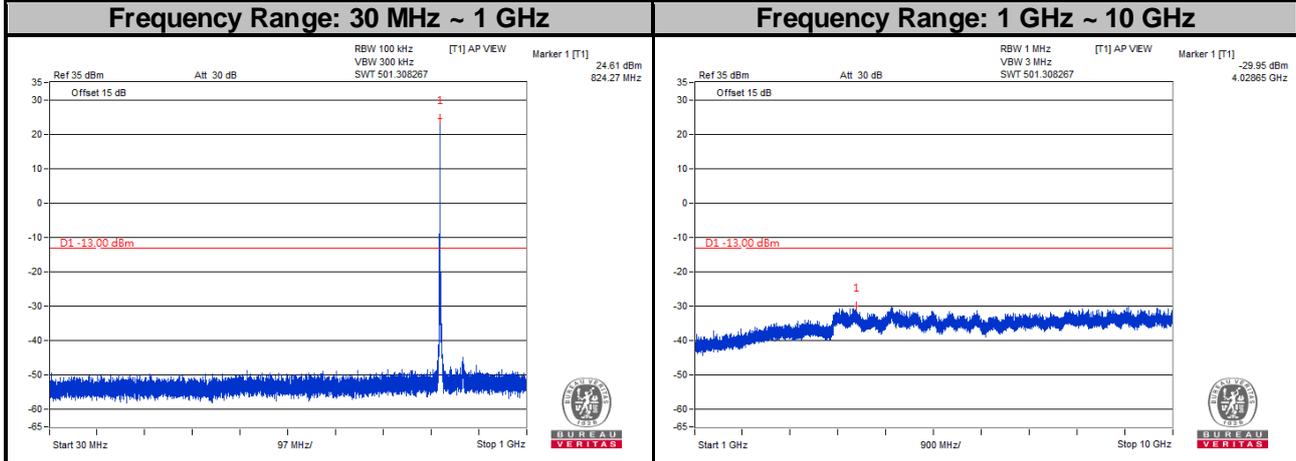
Channel 20525



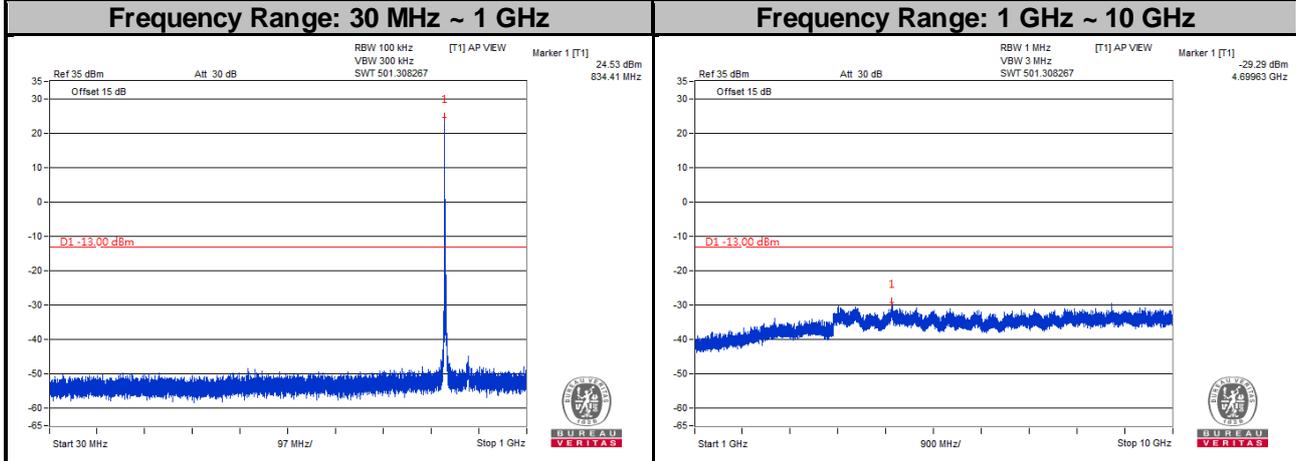
Channel 20635



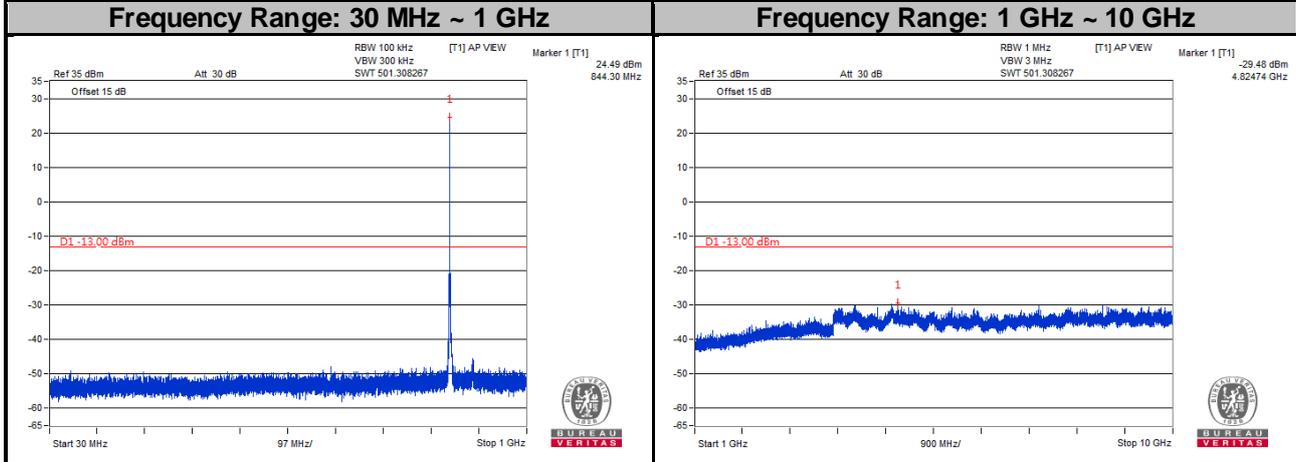
LTE Band 5
Channel Bandwidth: 5 MHz
Channel 20425



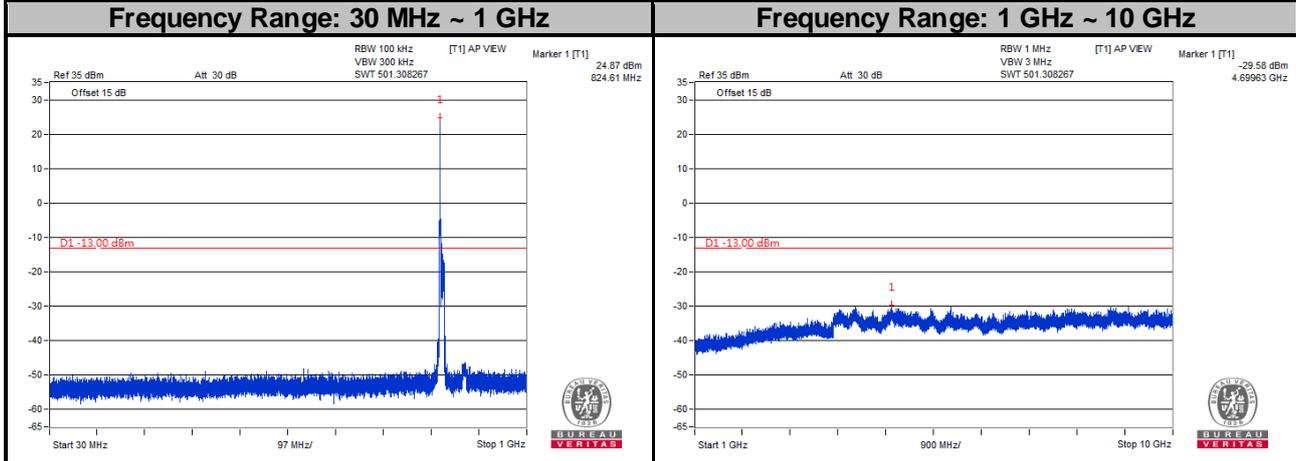
Channel 20525



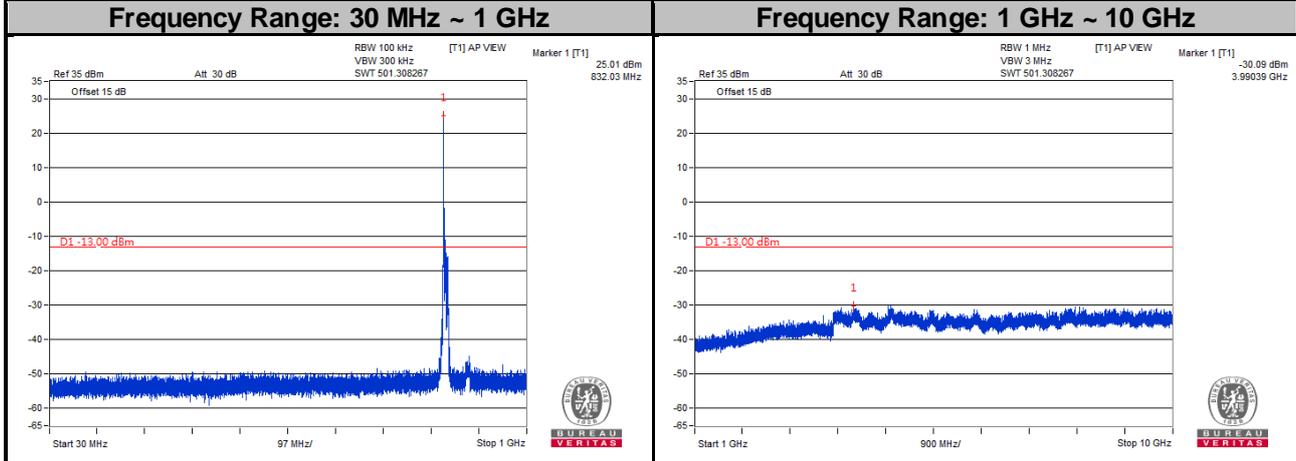
Channel 20625



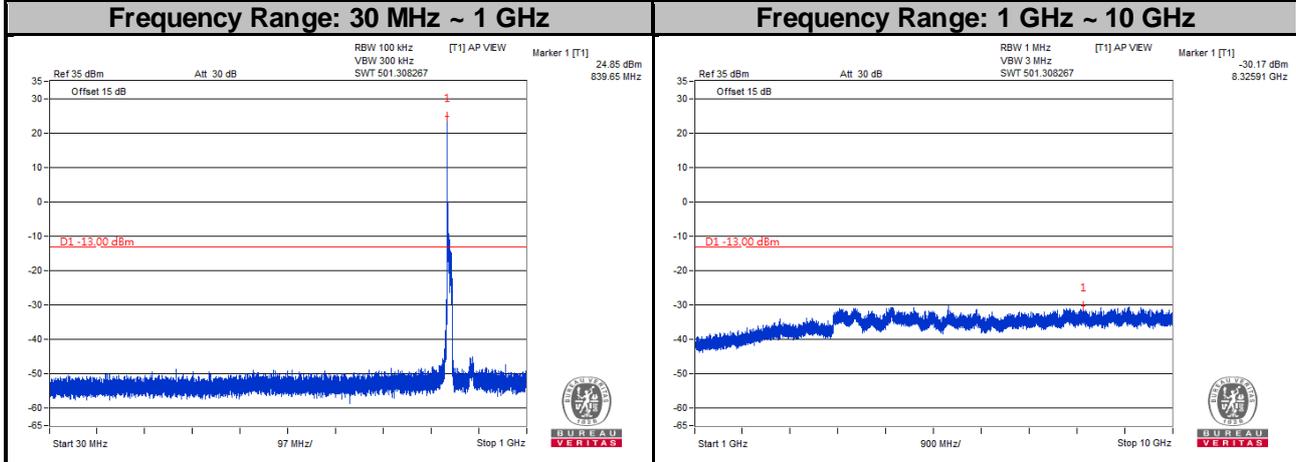
LTE Band 5
Channel Bandwidth: 10 MHz
Channel 20450



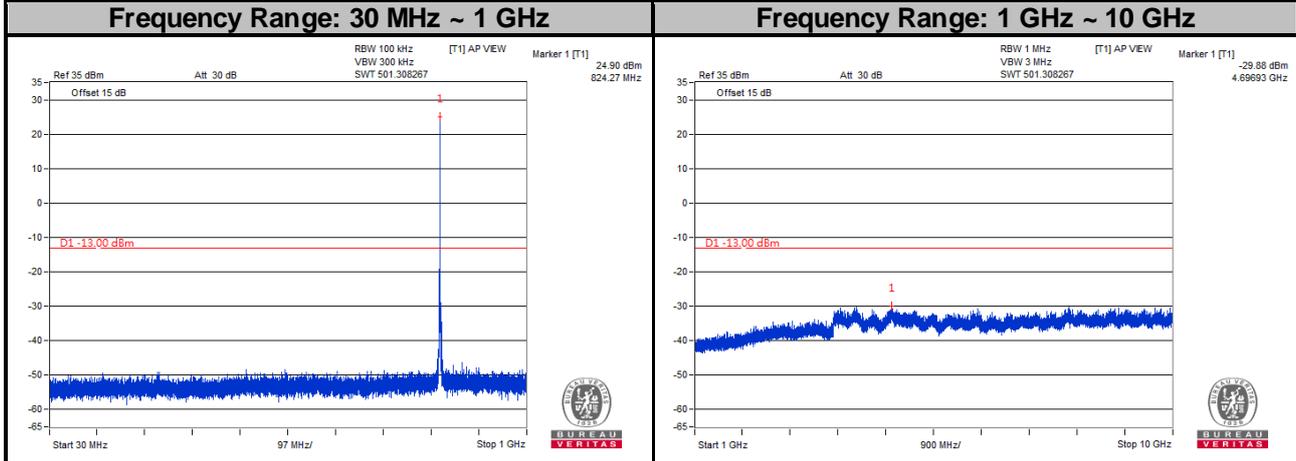
Channel 20525



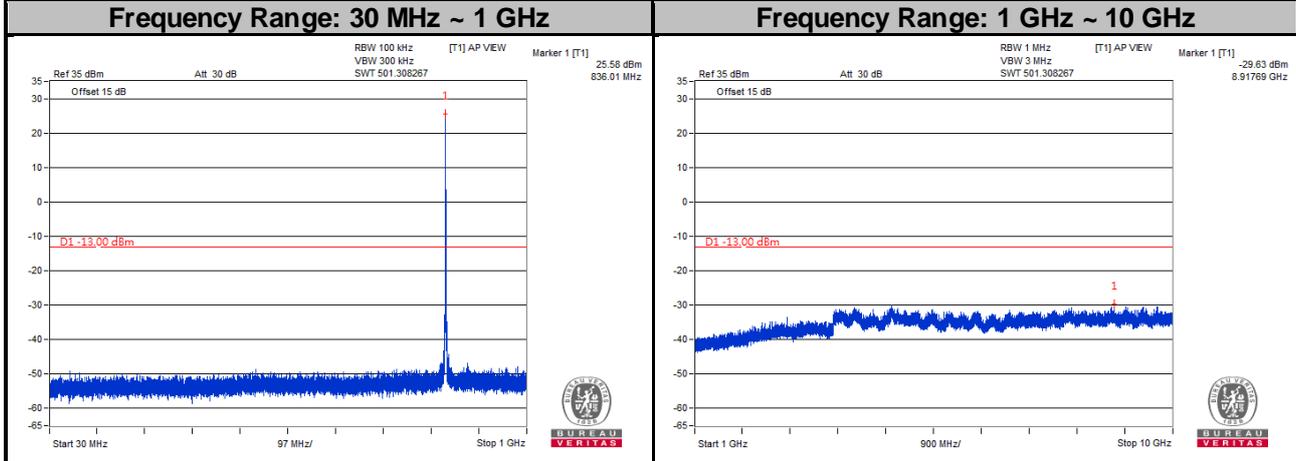
Channel 20600



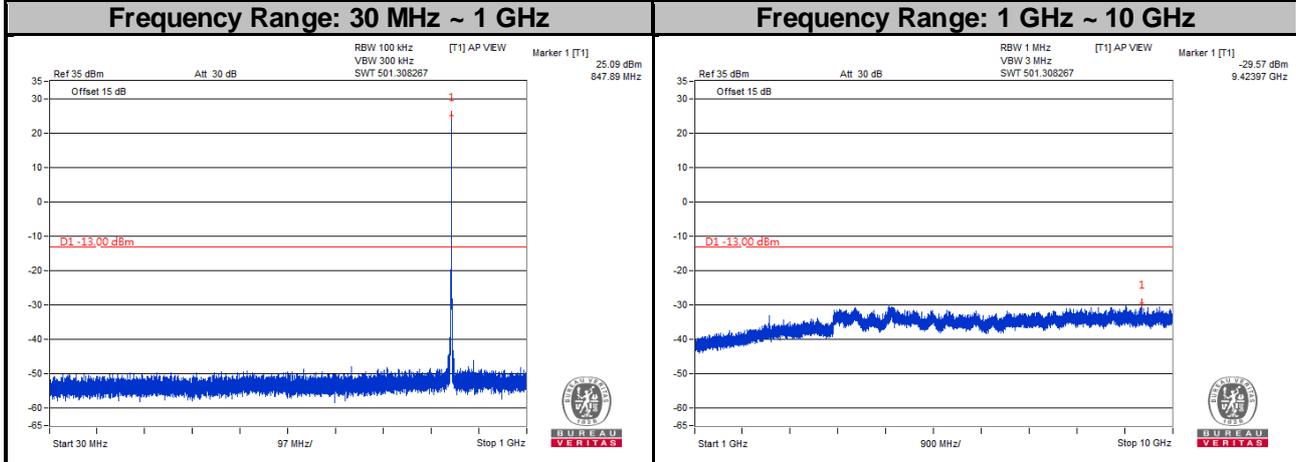
LTE Band 26
Channel Bandwidth: 1.4 MHz
Channel 26797



Channel 26915



Channel 27033



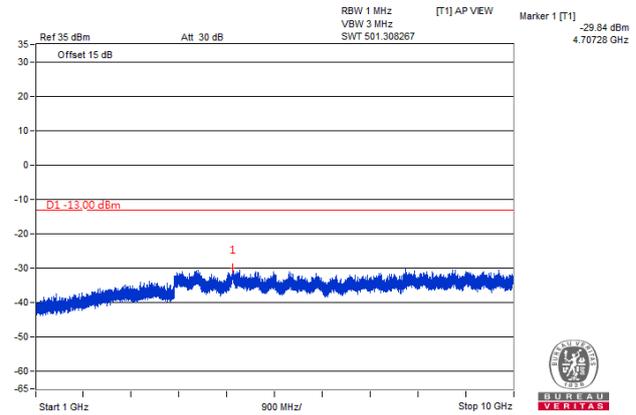
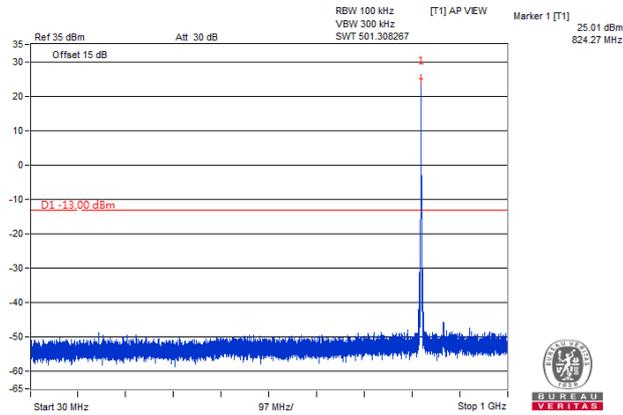
LTE Band 26

Channel Bandwidth: 3 MHz

Channel 26805

Frequency Range: 30 MHz ~ 1 GHz

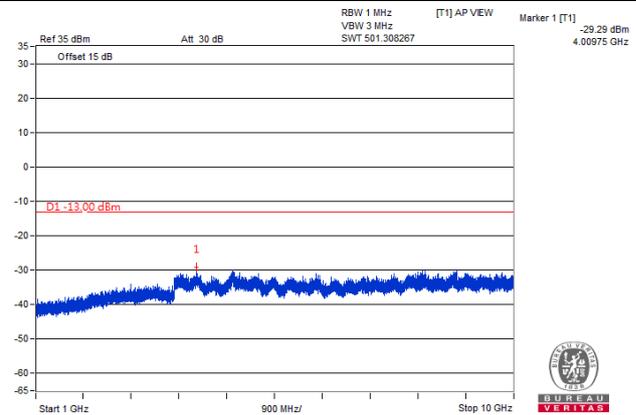
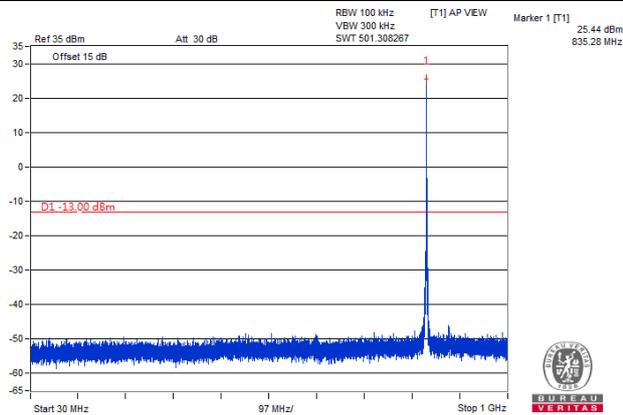
Frequency Range: 1 GHz ~ 10 GHz



Channel 26915

Frequency Range: 30 MHz ~ 1 GHz

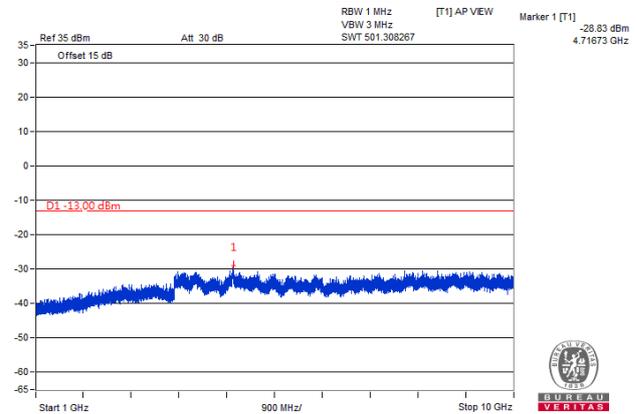
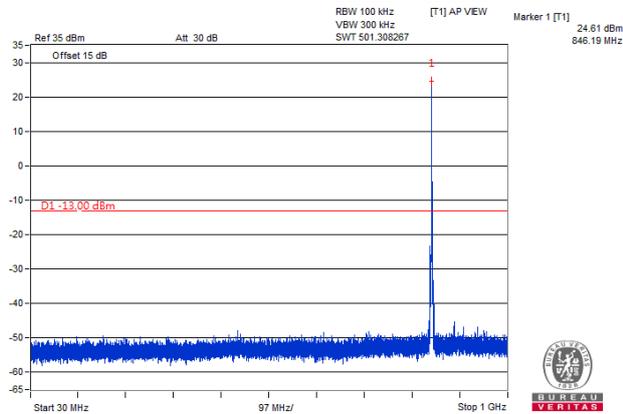
Frequency Range: 1 GHz ~ 10 GHz



Channel 27025

Frequency Range: 30 MHz ~ 1 GHz

Frequency Range: 1 GHz ~ 10 GHz



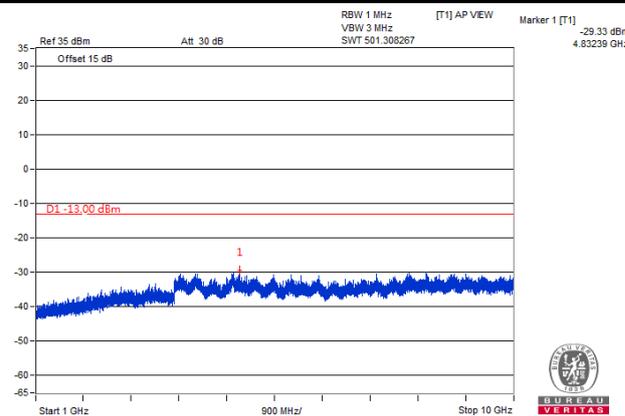
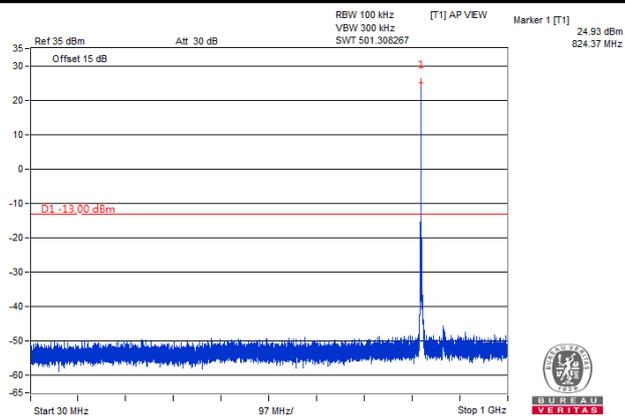
LTE Band 26

Channel Bandwidth: 5 MHz

Channel 26815

Frequency Range: 30 MHz ~ 1 GHz

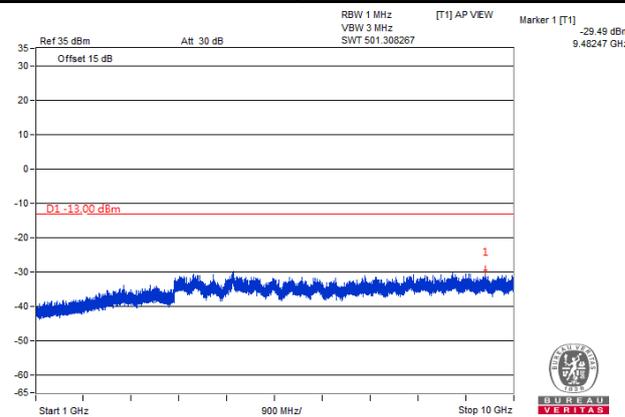
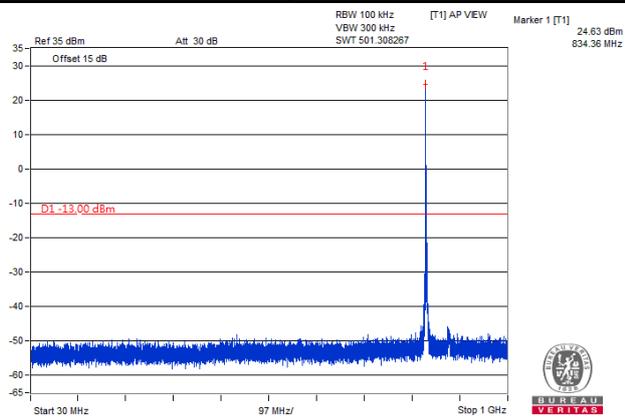
Frequency Range: 1 GHz ~ 10 GHz



Channel 26915

Frequency Range: 30 MHz ~ 1 GHz

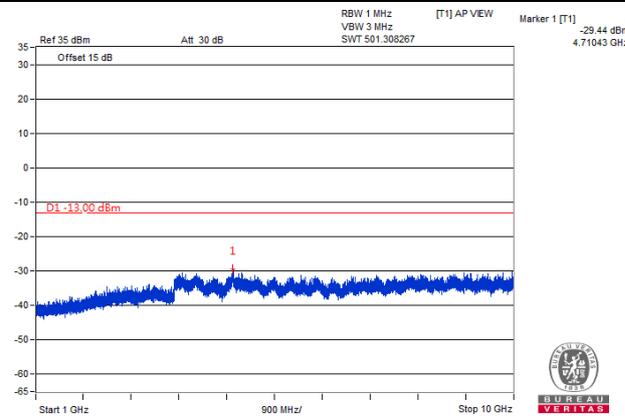
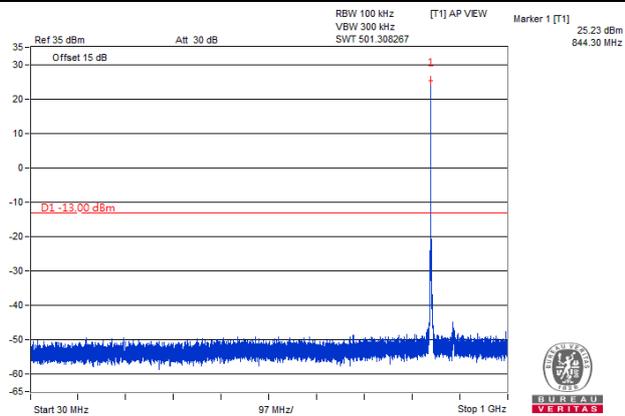
Frequency Range: 1 GHz ~ 10 GHz



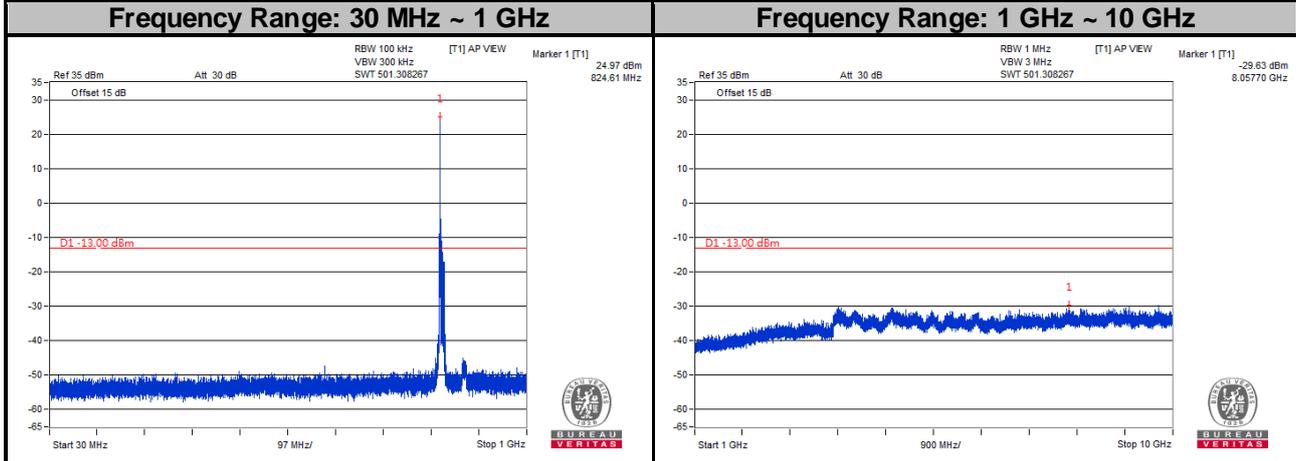
Channel 27015

Frequency Range: 30 MHz ~ 1 GHz

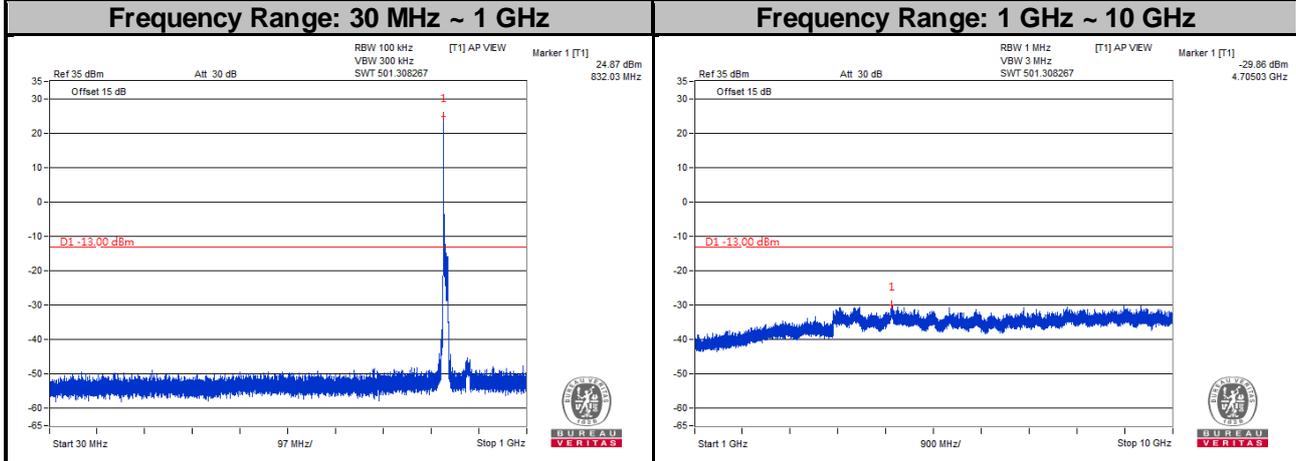
Frequency Range: 1 GHz ~ 10 GHz



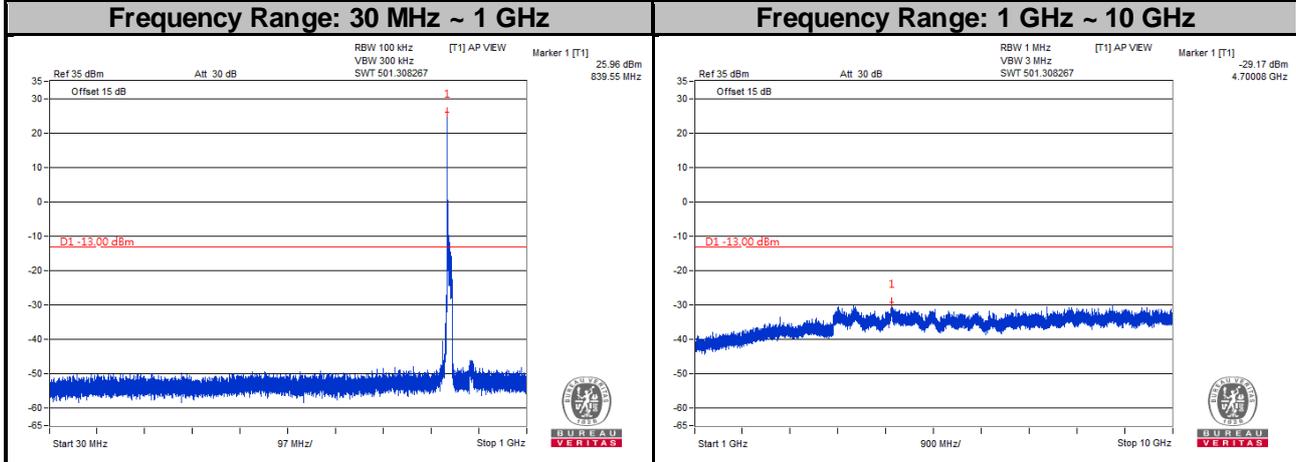
LTE Band 26
Channel Bandwidth: 10 MHz
Channel 26840



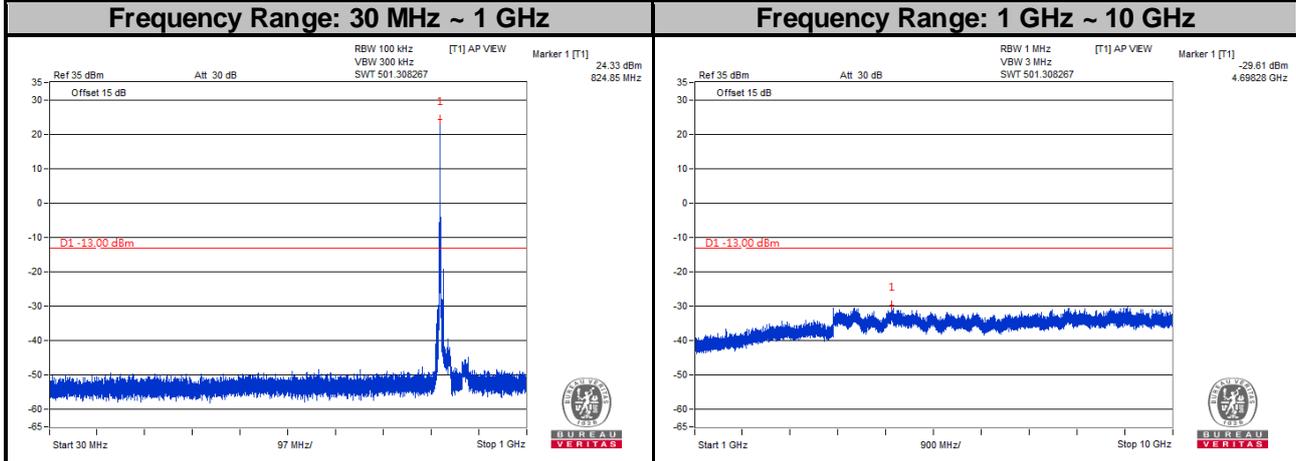
Channel 26915



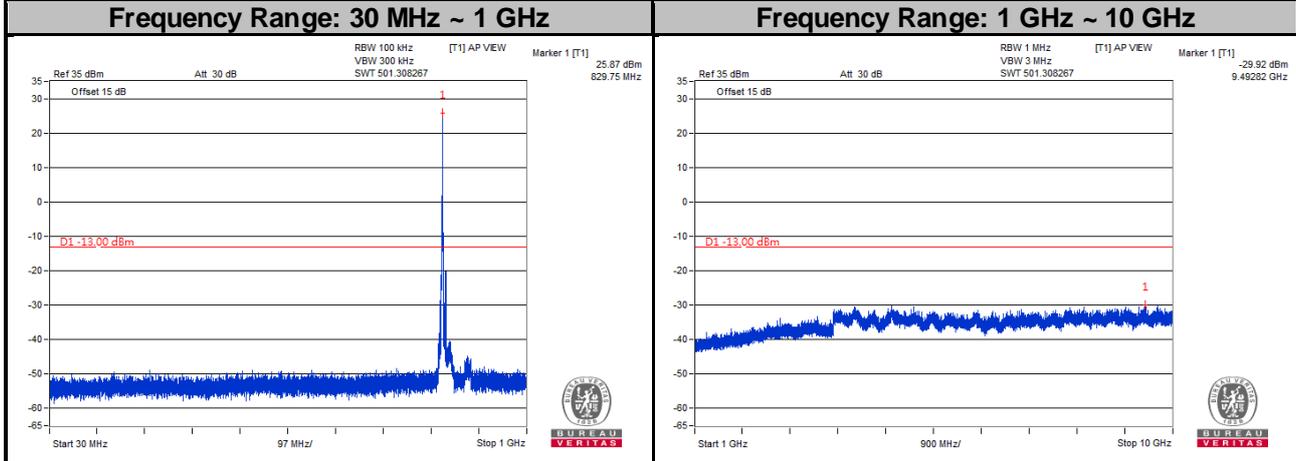
Channel 26990



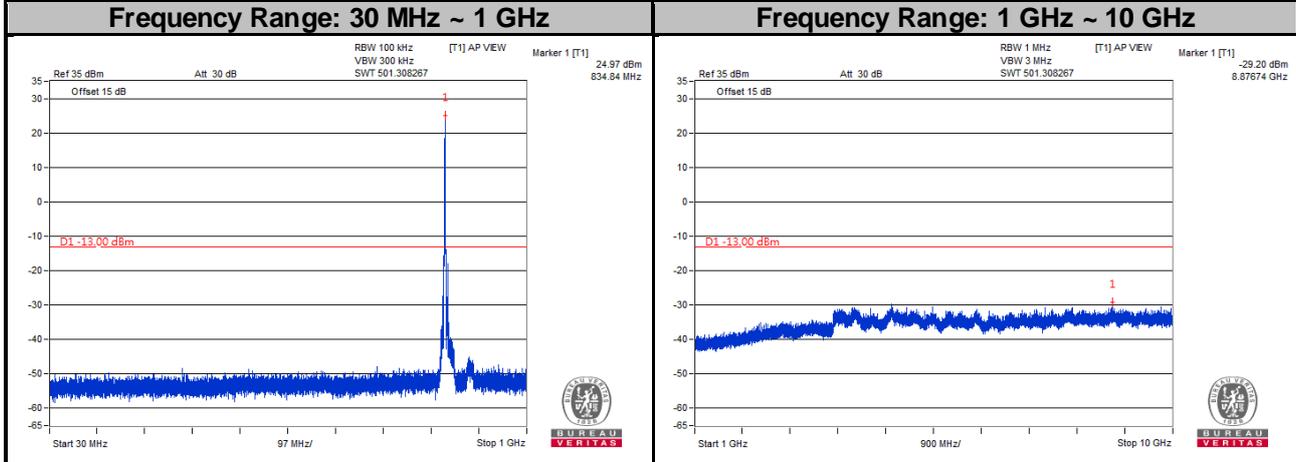
LTE Band 26
Channel Bandwidth: 15 MHz
Channel 26865



Channel 26915



Channel 26965



4.7 Radiated Emission Measurement

4.7.1 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 is equal to -13 dBm.

4.7.2 Test Procedure

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) 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 1 m to 4 m 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 - 2.15 dBi.

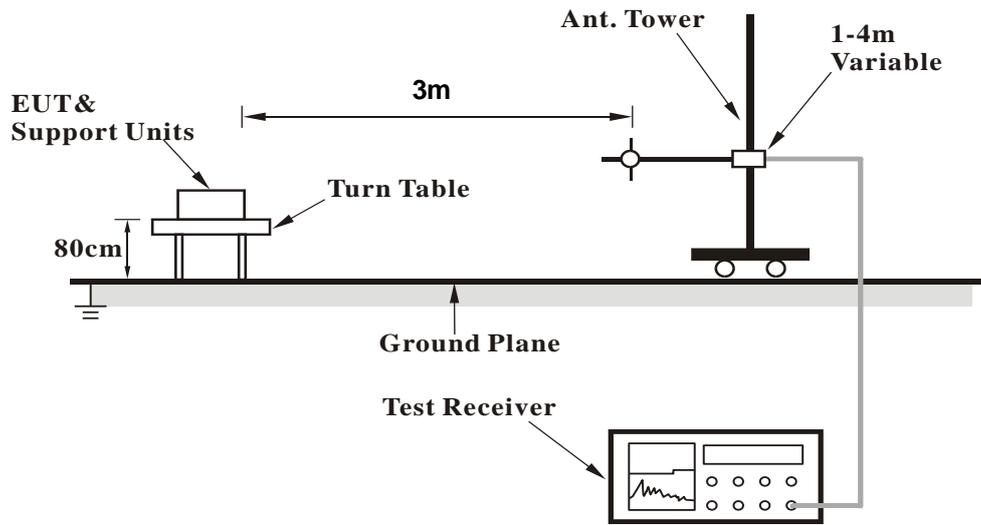
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

4.7.3 Deviation from Test Standard

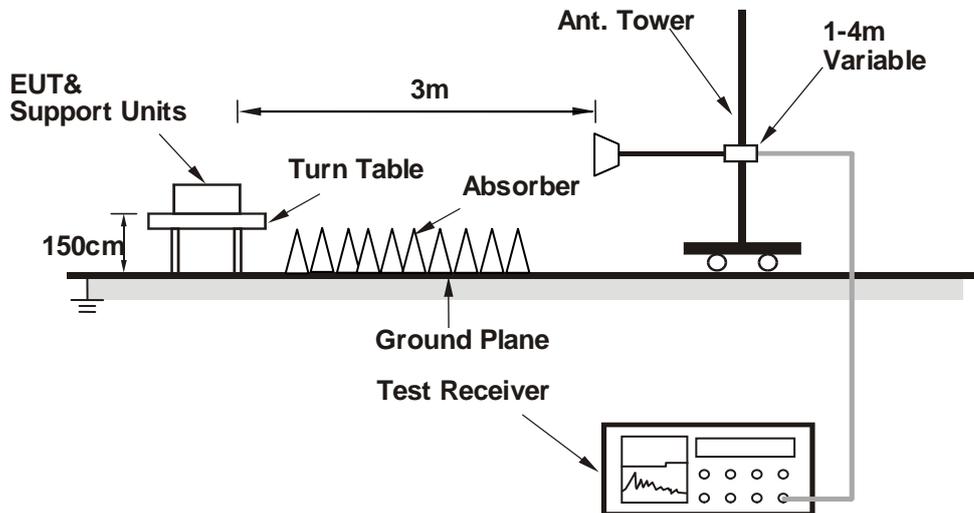
No deviation.

4.7.4 Test Setup

<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).

4.7.5 Test Results

WCDMA:
Low Channel

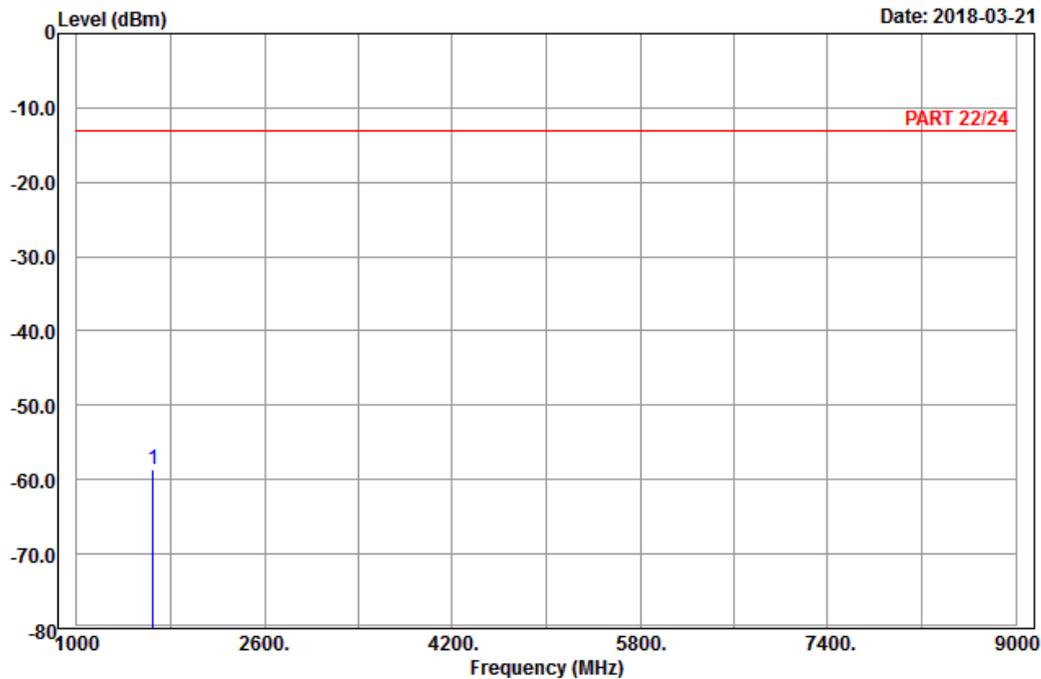


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-21



Site : 966 chamber 1
Condition: PART 22/24 Horizontal
Remark : Band V_Link_CH4132
Tested by: Karl Lee

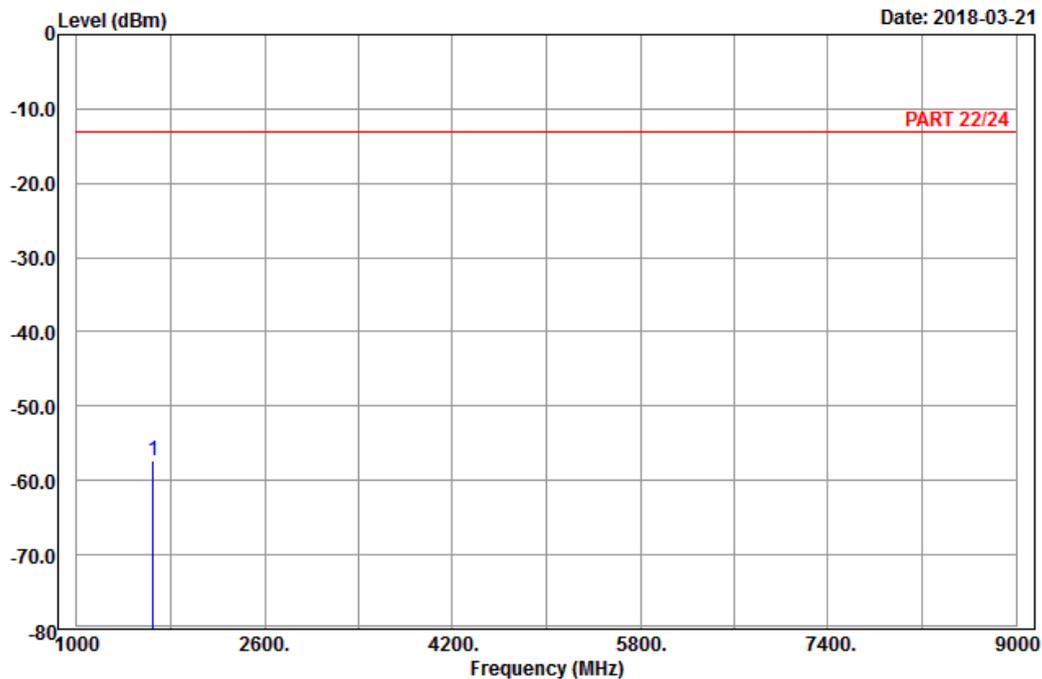
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1652.80	-58.74	-66.47	-13.00	-45.74	7.73	Peak



A D T

Data: 6

Date: 2018-03-21



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : Band V_Link_CH4132
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1652.80	-57.42	-65.15	-13.00	-44.42	7.73	Peak

Middle Channel

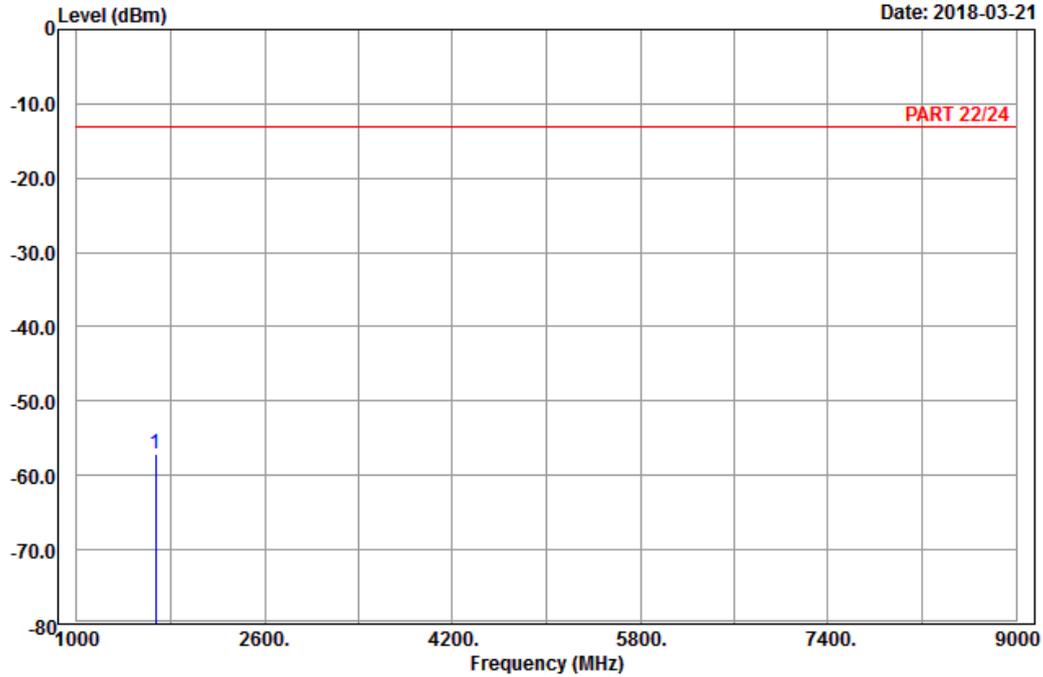


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-21



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : Band V_Link_CH4182
 Tested by: Karl Lee

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1672.80	-57.07	-64.98	-13.00	-44.07	7.91	Peak

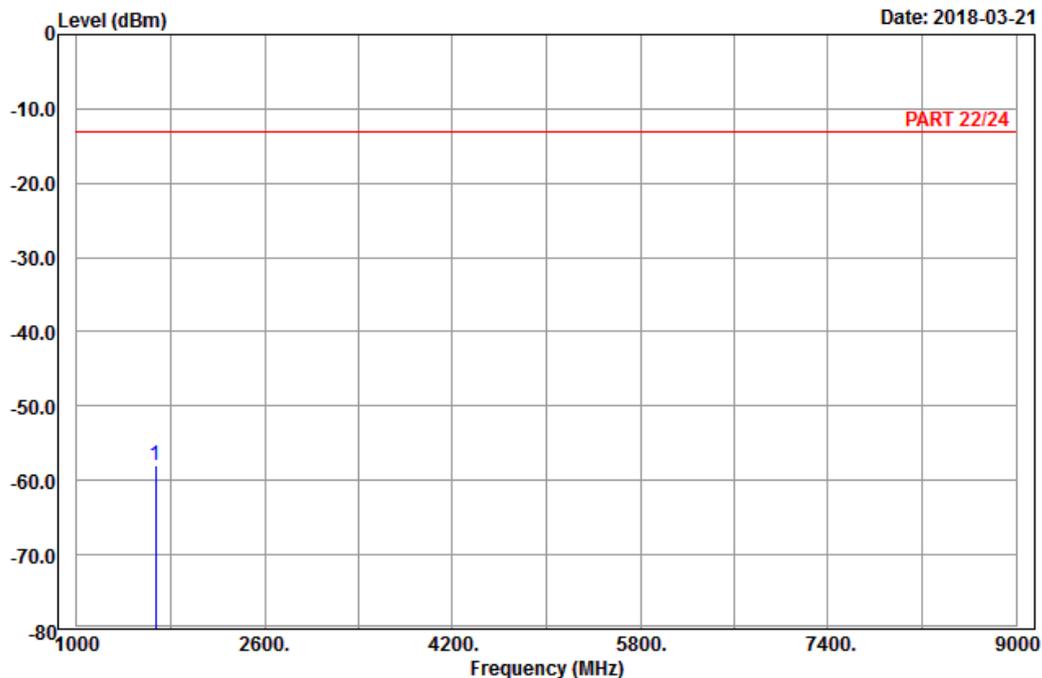


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-03-21



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : Band V_Link_CH4182
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1672.80	-57.97	-65.88	-13.00	-44.97	7.91	Peak

High Channel

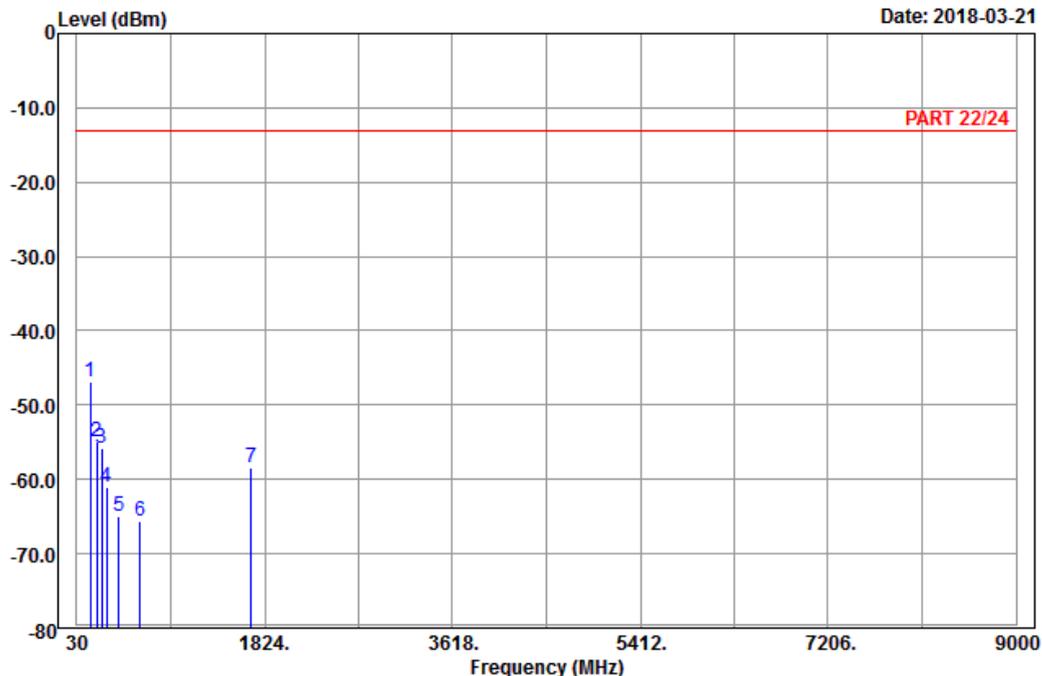


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-21



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : Band V_Link_CH4233
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp	158.25	-46.97	-39.25	-13.00	-33.97	-7.72 Peak
2		218.46	-54.83	-48.89	-13.00	-41.83	-5.94 Peak
3		270.57	-55.70	-50.01	-13.00	-42.70	-5.69 Peak
4		311.20	-60.97	-55.15	-13.00	-47.97	-5.82 Peak
5		431.60	-65.02	-61.58	-13.00	-52.02	-3.44 Peak
6		631.10	-65.54	-65.61	-13.00	-52.54	0.07 Peak
7		1693.20	-58.37	-66.51	-13.00	-45.37	8.14 Peak

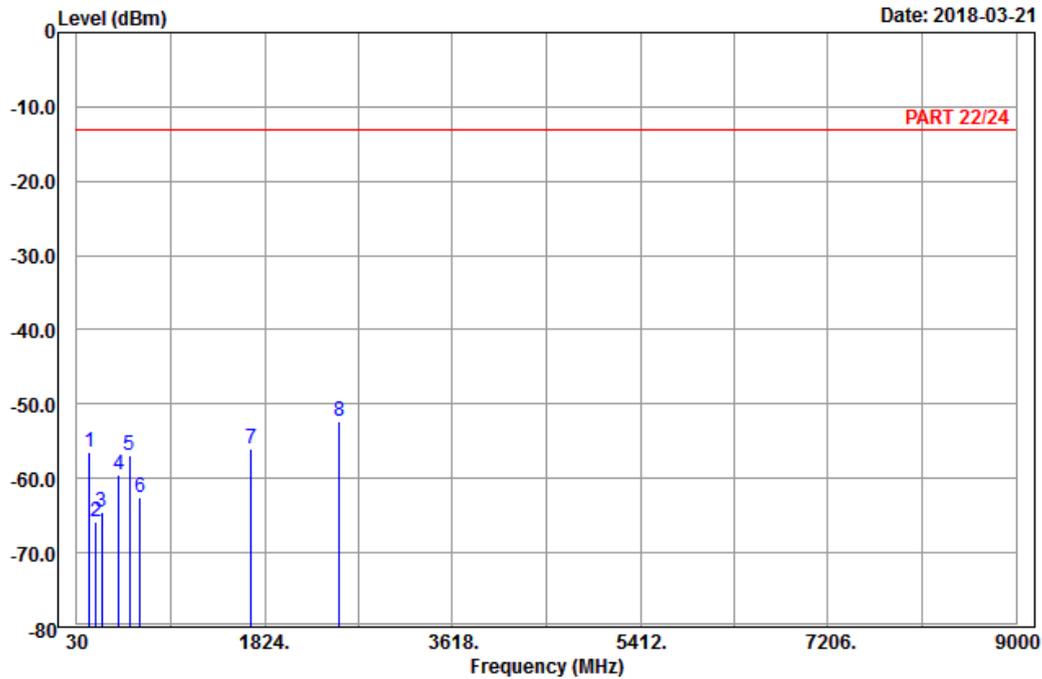


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-21



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : Band V_Link_CH4233
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	152.04	-56.48	-48.59	-13.00	-43.48	-7.89	Peak
2	211.98	-65.81	-59.80	-13.00	-52.81	-6.01	Peak
3	271.38	-64.62	-58.92	-13.00	-51.62	-5.70	Peak
4	432.30	-59.61	-56.15	-13.00	-46.61	-3.46	Peak
5	533.10	-57.00	-54.13	-13.00	-44.00	-2.87	Peak
6	631.10	-62.52	-62.59	-13.00	-49.52	0.07	Peak
7	1693.20	-55.98	-64.12	-13.00	-42.98	8.14	Peak
8 pp	2539.80	-52.27	-63.74	-13.00	-39.27	11.47	Peak

LTE Band 5
 Channel Bandwidth: 1.4 MHz / QPSK
 Low Channel

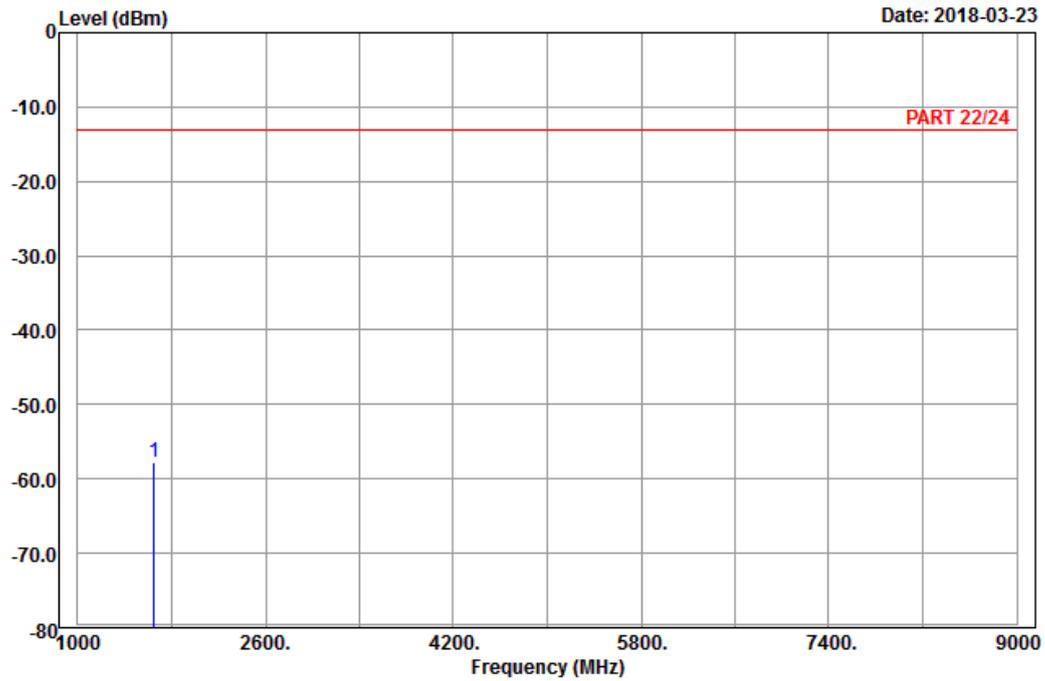


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 5_Link_CH20407
 Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor Remark
MHz	dBm	dBm	dBm	dB	dB
1 pp 1649.40	-57.68	-65.41	-13.00	-44.68	7.73 Peak

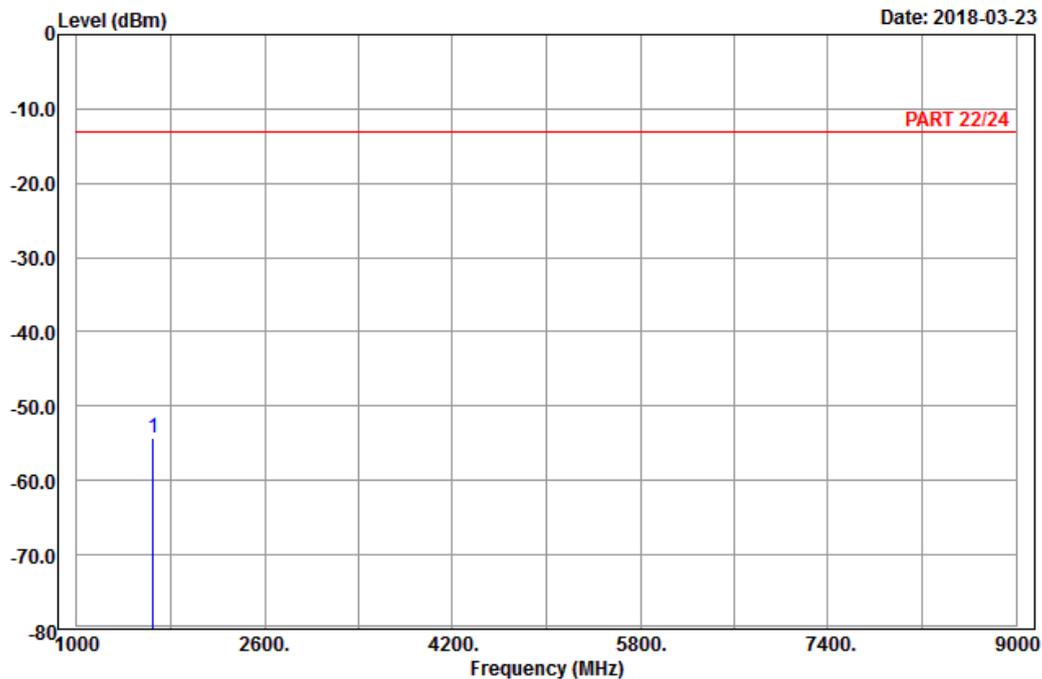


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20407
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1649.40	-54.22	-61.95	-13.00	-41.22	7.73	Peak

Middle Channel

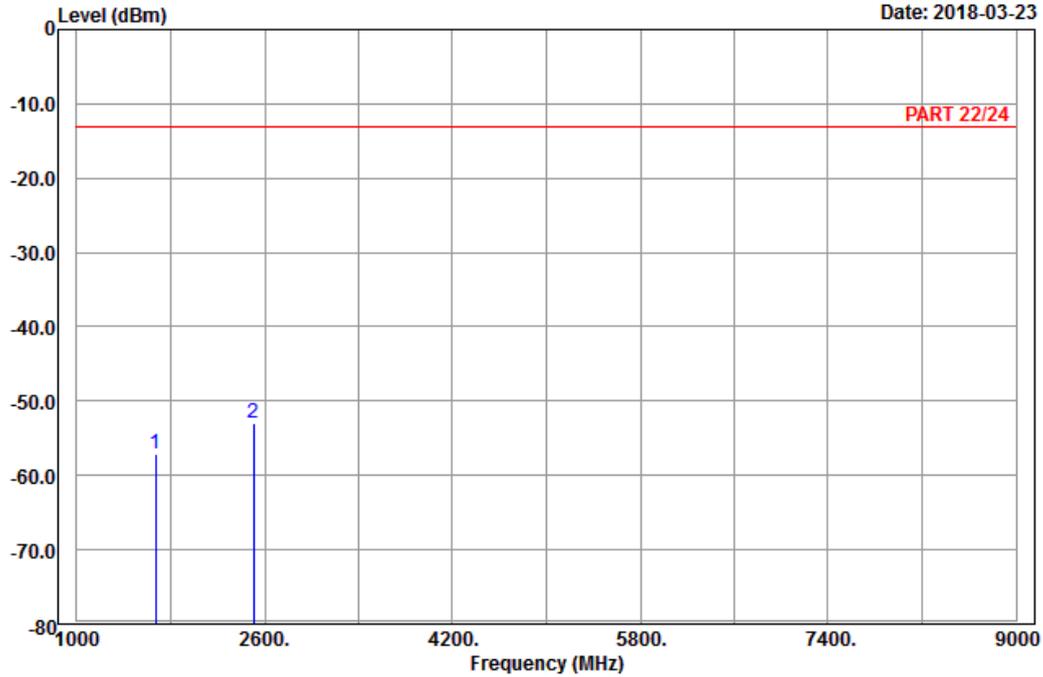


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 5_Link_CH20525
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1673.00	-57.10	-65.01	-13.00	-44.10	7.91	Peak
2	2509.50	-52.97	-64.25	-13.00	-39.97	11.28	Peak

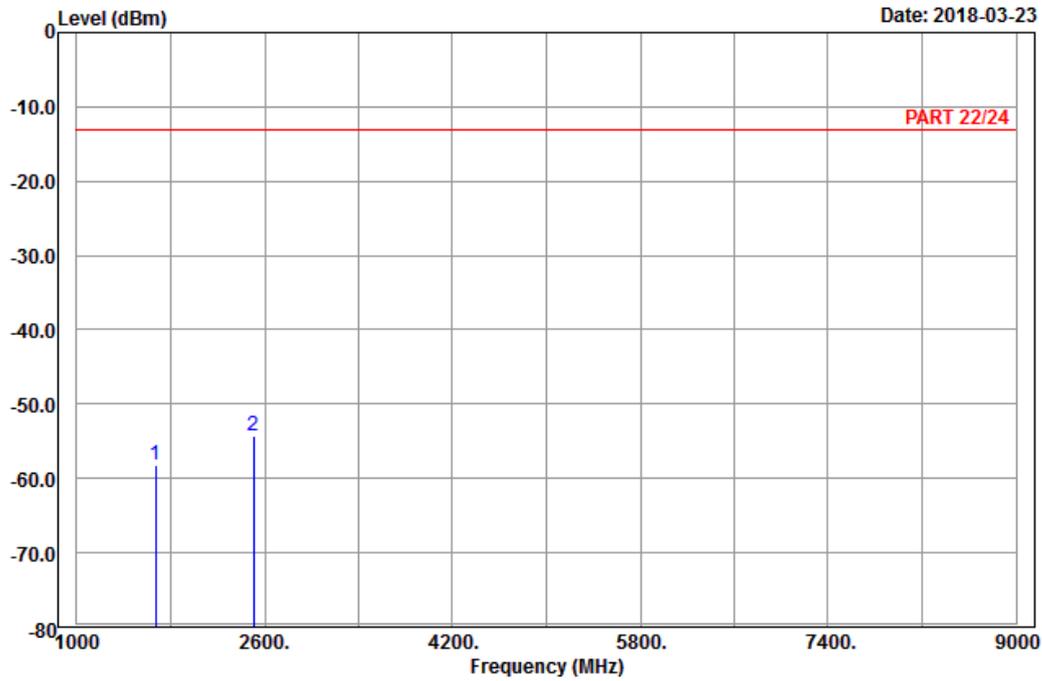


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20525
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1673.00	-58.21	-66.12	-13.00	-45.21	7.91	Peak
2 pp	2509.50	-54.22	-65.50	-13.00	-41.22	11.28	Peak

High Channel

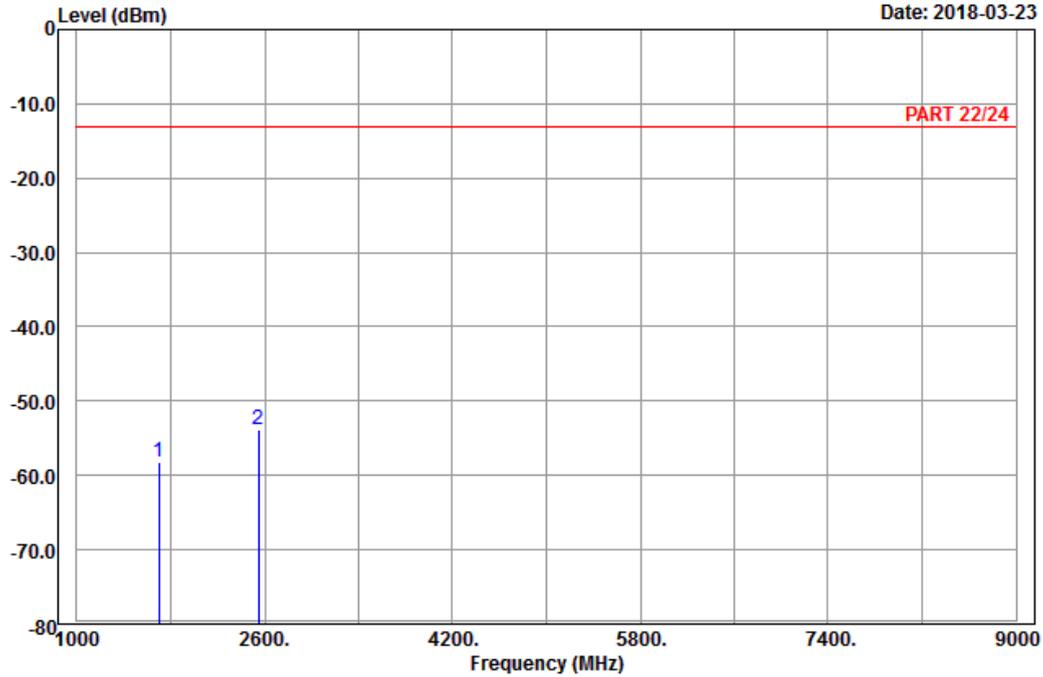


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 5_Link_CH20625
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1696.60	-58.20	-66.34	-13.00	-45.20	8.14	Peak
2	2544.90	-53.82	-65.29	-13.00	-40.82	11.47	Peak

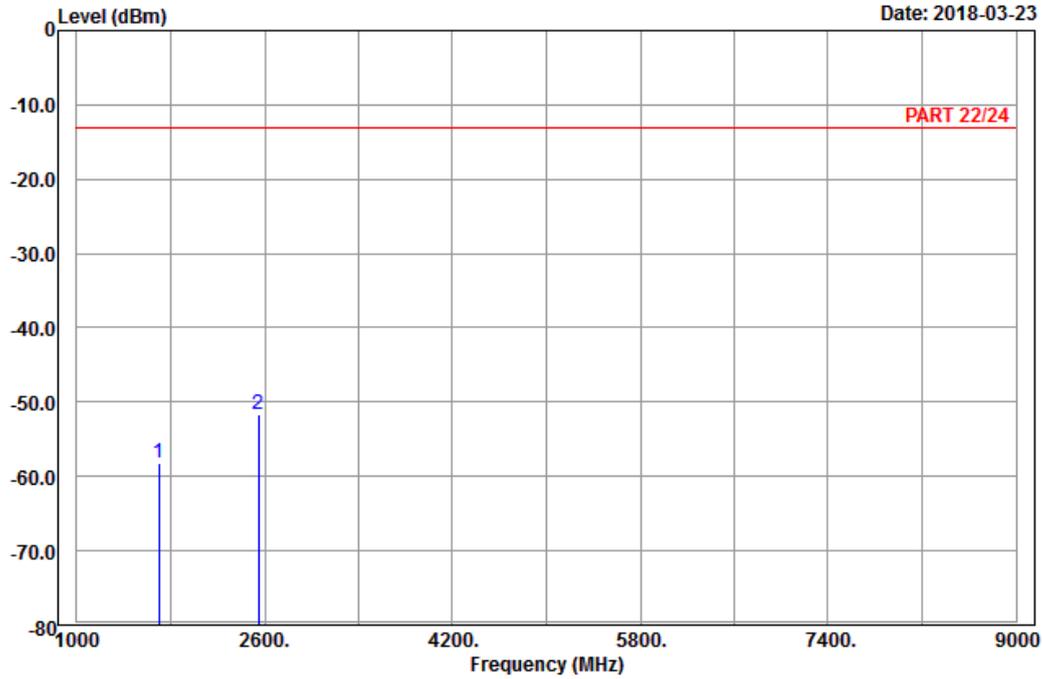


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20625
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1696.60	-58.11	-66.25	-13.00	-45.11	8.14	Peak
2 pp	2544.90	-51.67	-63.14	-13.00	-38.67	11.47	Peak

Channel Bandwidth: 5 MHz / QPSK
Low Channel

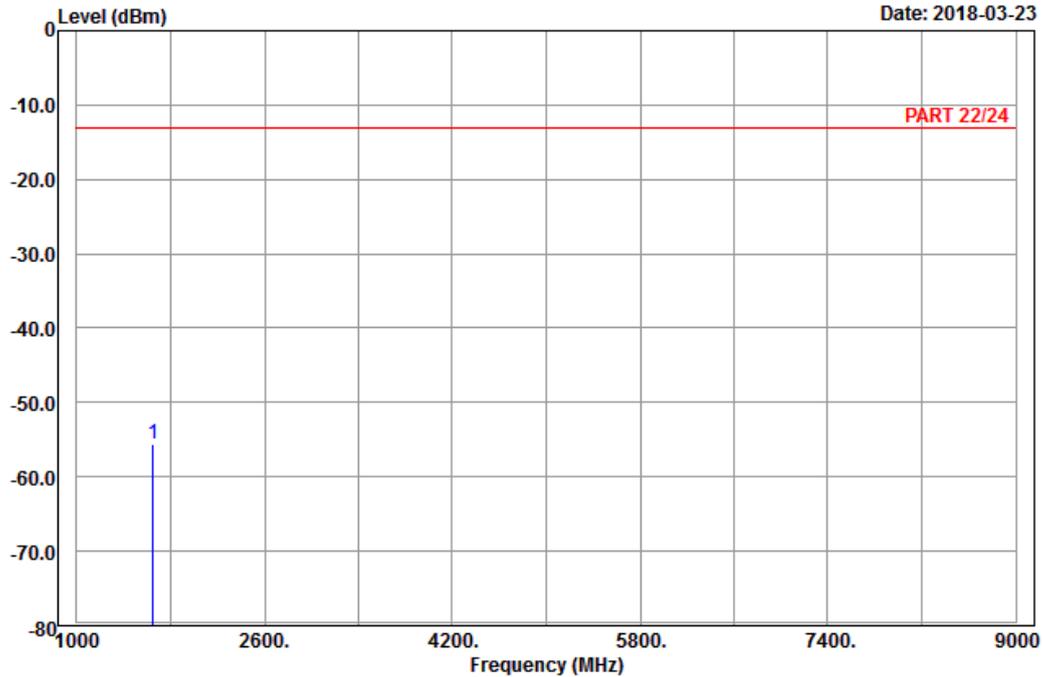


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-23



Site : 966 chamber 1
Condition: PART 22/24 Horizontal
Remark : LTE_Band 5_Link_CH20425
Tested by: Karl Lee

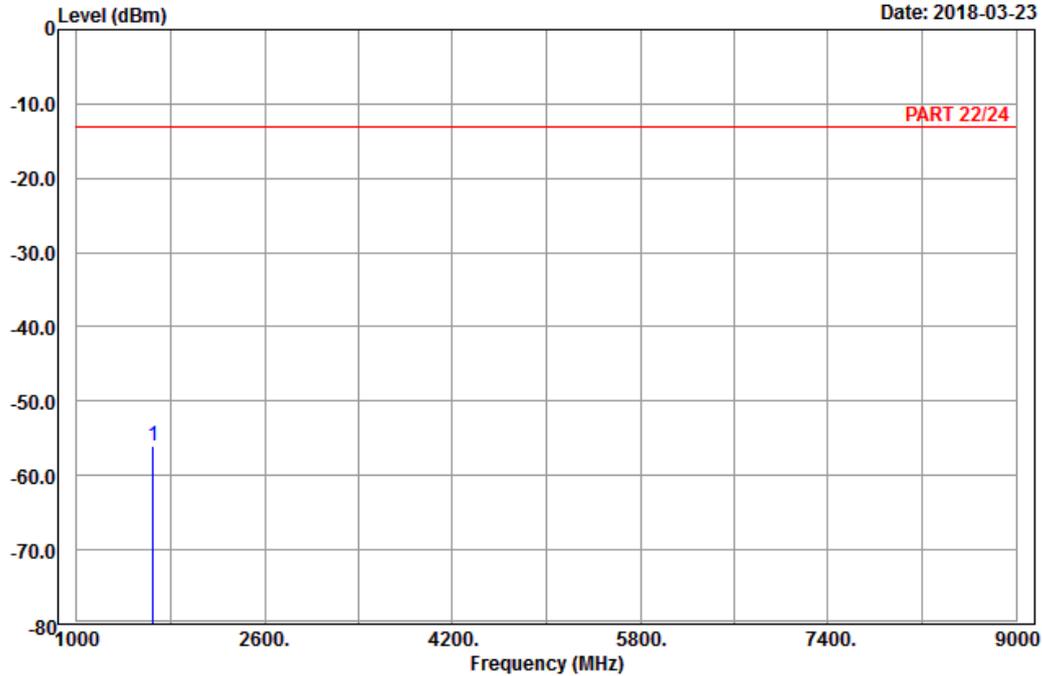
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1653.00	-55.52	-63.25	-13.00	-42.52	7.73	Peak



A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20425
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1653.00	-55.96	-63.69	-13.00	-42.96	7.73	Peak

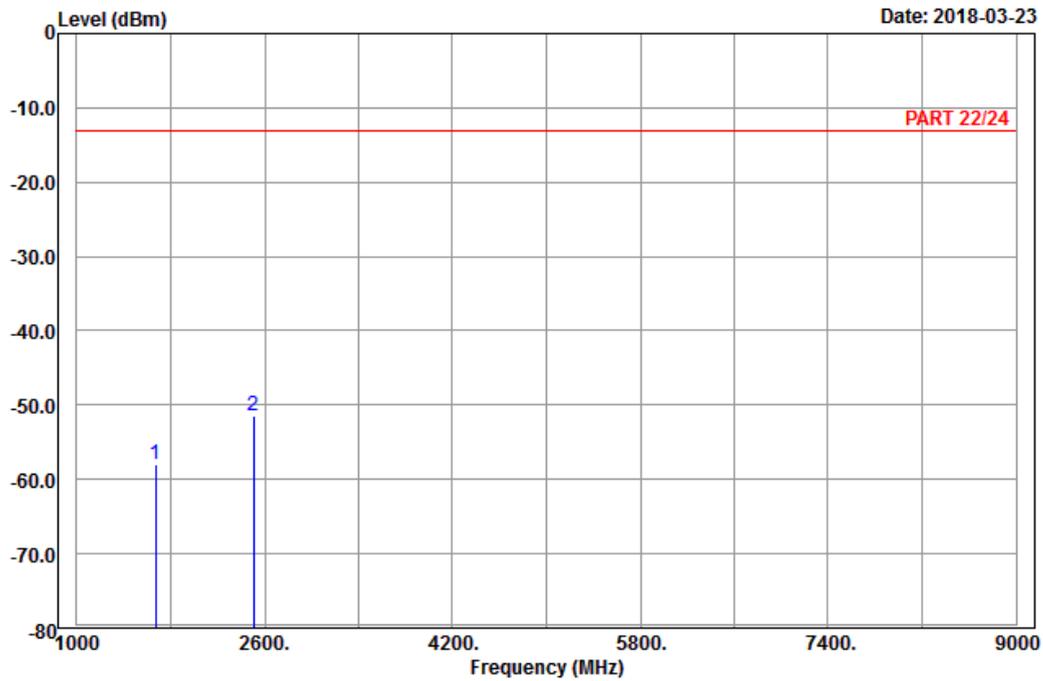
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 5_Link_CH20525
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1673.00	-57.97	-65.88	-13.00	-44.97	7.91	Peak
2	2509.50	-51.42	-62.70	-13.00	-38.42	11.28	Peak

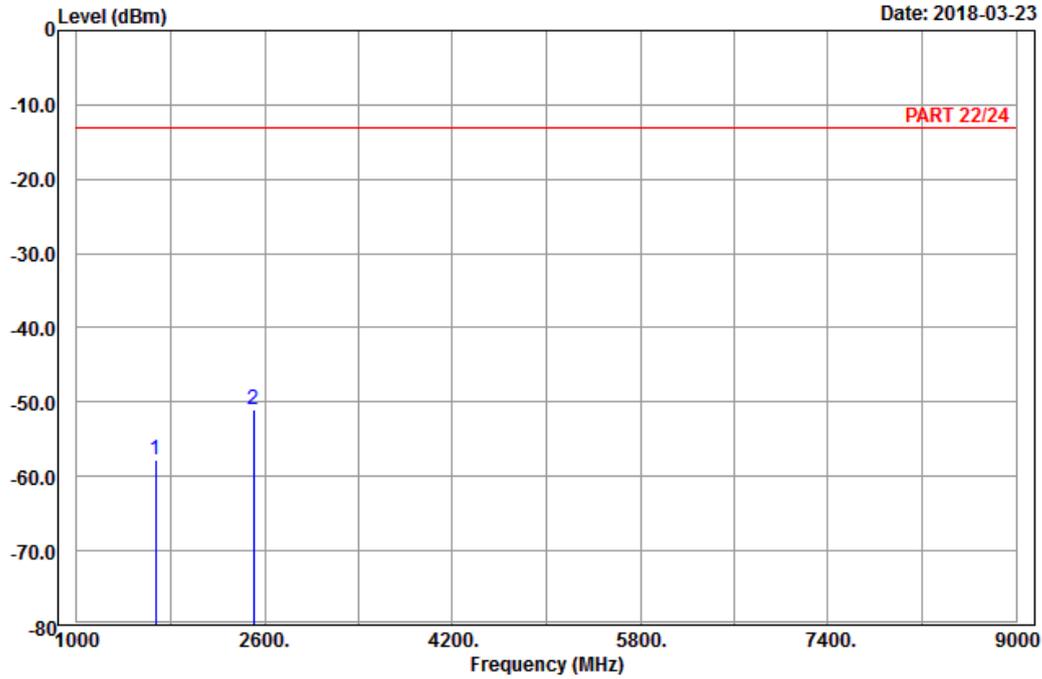


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20525
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1673.00	-57.75	-65.66	-13.00	-44.75	7.91	Peak
2 pp	2509.50	-51.09	-62.37	-13.00	-38.09	11.28	Peak

High Channel

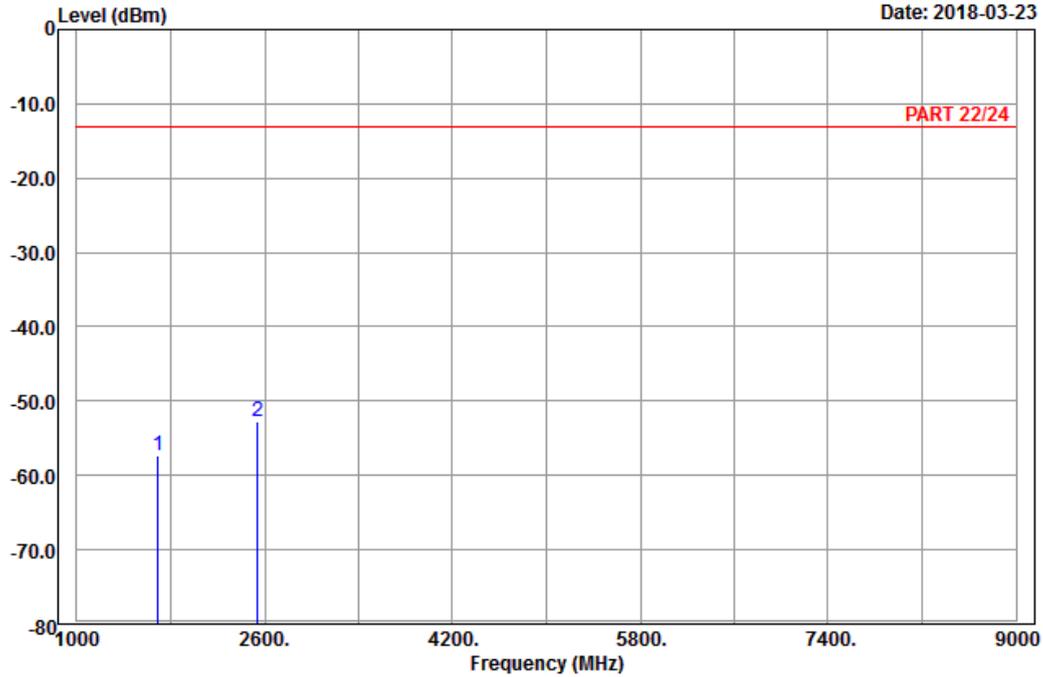


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 5_Link_CH20625
 Tested by: Karl Lee

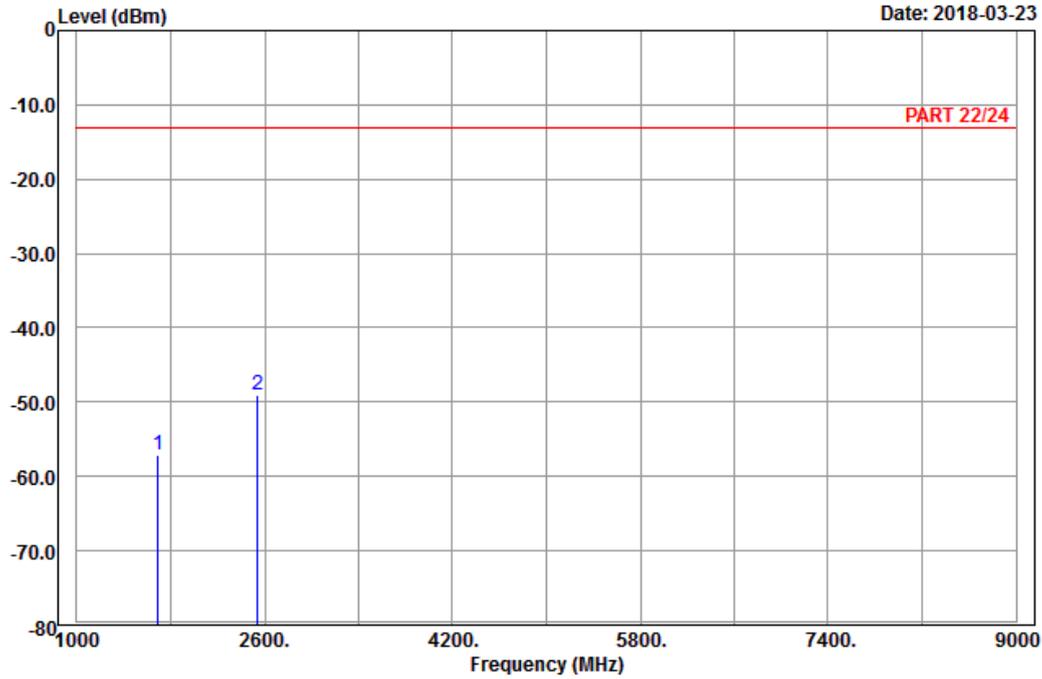
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1693.00	-57.38	-65.40	-13.00	-44.38	8.02	Peak
2	2539.50	-52.70	-64.17	-13.00	-39.70	11.47	Peak



A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20625
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1693.00	-57.05	-65.07	-13.00	-44.05	8.02	Peak
2 pp	2539.50	-48.97	-60.44	-13.00	-35.97	11.47	Peak

Channel Bandwidth: 10 MHz / QPSK
Low Channel

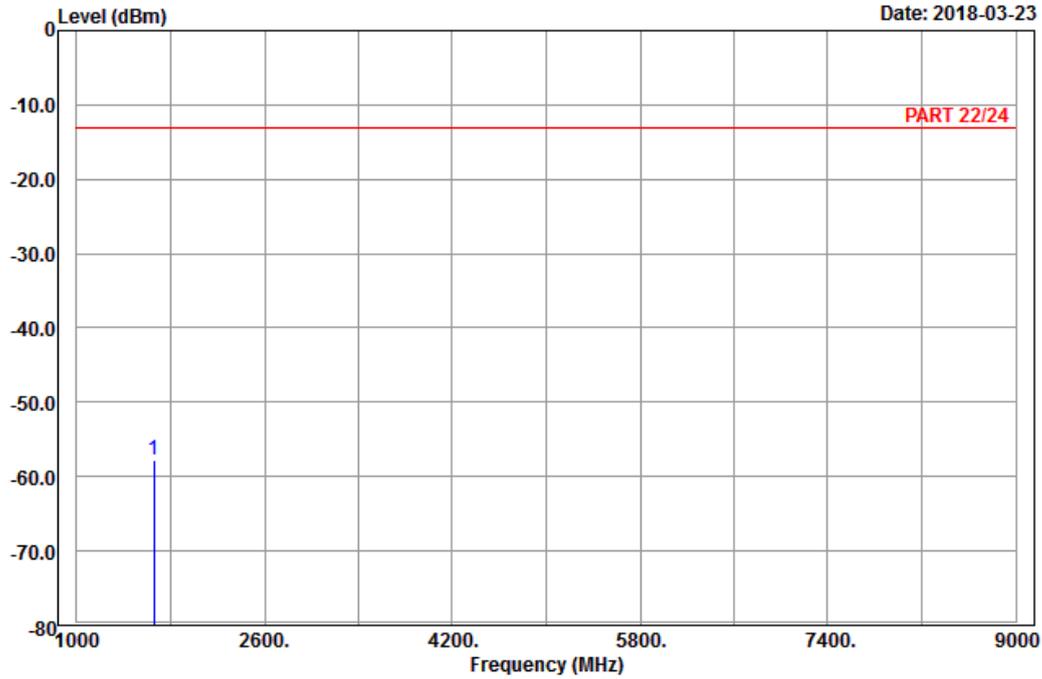


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-23



Site : 966 chamber 1
Condition: PART 22/24 Horizontal
Remark : LTE_Band 5_Link_CH20450
Tested by: Charles Hsiao

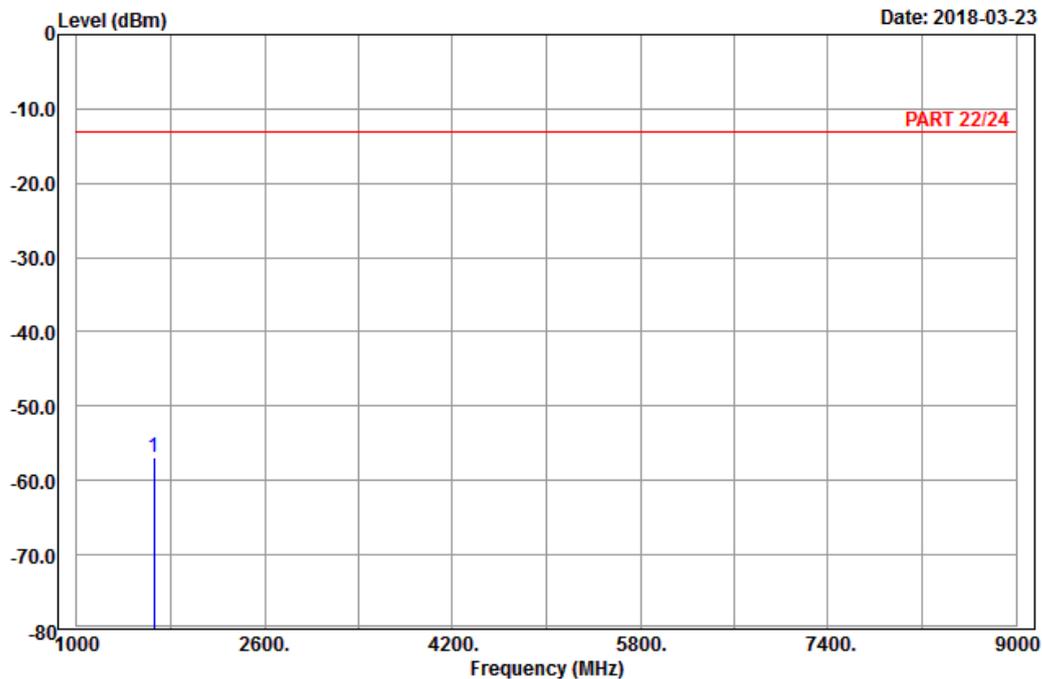
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1658.00	-57.84	-65.75	-13.00	-44.84	7.91	Peak



A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20450
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1658.00	-56.82	-64.73	-13.00	-43.82	7.91	Peak

Middle Channel

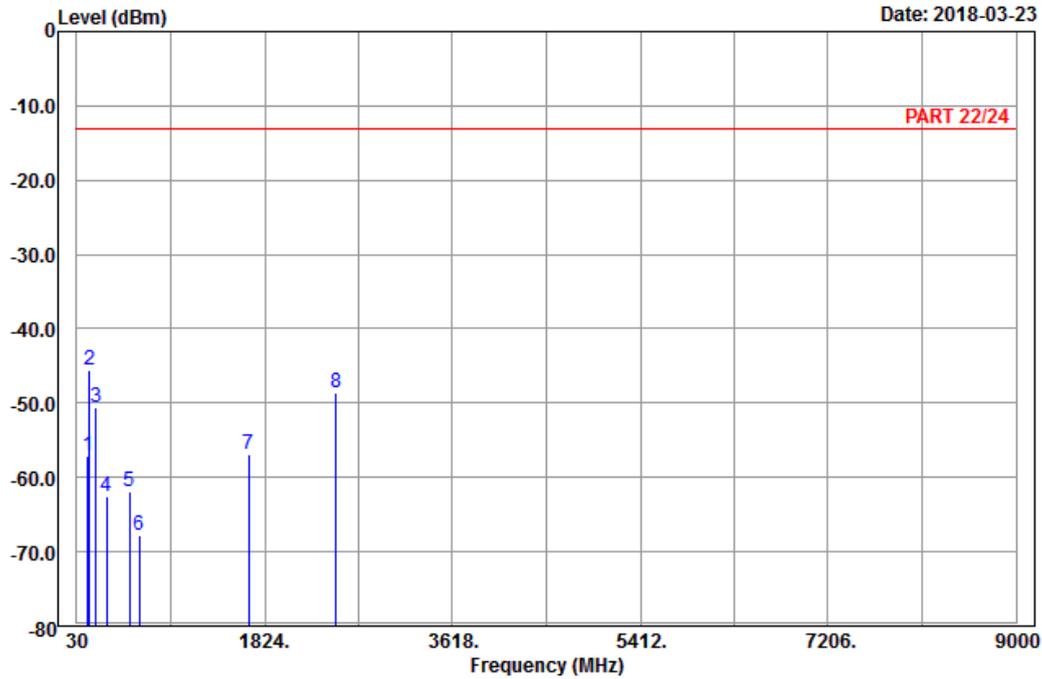


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 5_Link_CH20525
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	133.41	-57.02	-49.36	-13.00	-44.02	-7.66	Peak
2	pp 153.12	-45.62	-37.76	-13.00	-32.62	-7.86	Peak
3	213.87	-50.60	-44.61	-13.00	-37.60	-5.99	Peak
4	312.60	-62.49	-56.68	-13.00	-49.49	-5.81	Peak
5	532.40	-61.99	-59.05	-13.00	-48.99	-2.94	Peak
6	630.40	-67.89	-67.98	-13.00	-54.89	0.09	Peak
7	1673.00	-56.97	-64.88	-13.00	-43.97	7.91	Peak
8	2509.50	-48.68	-59.96	-13.00	-35.68	11.28	Peak

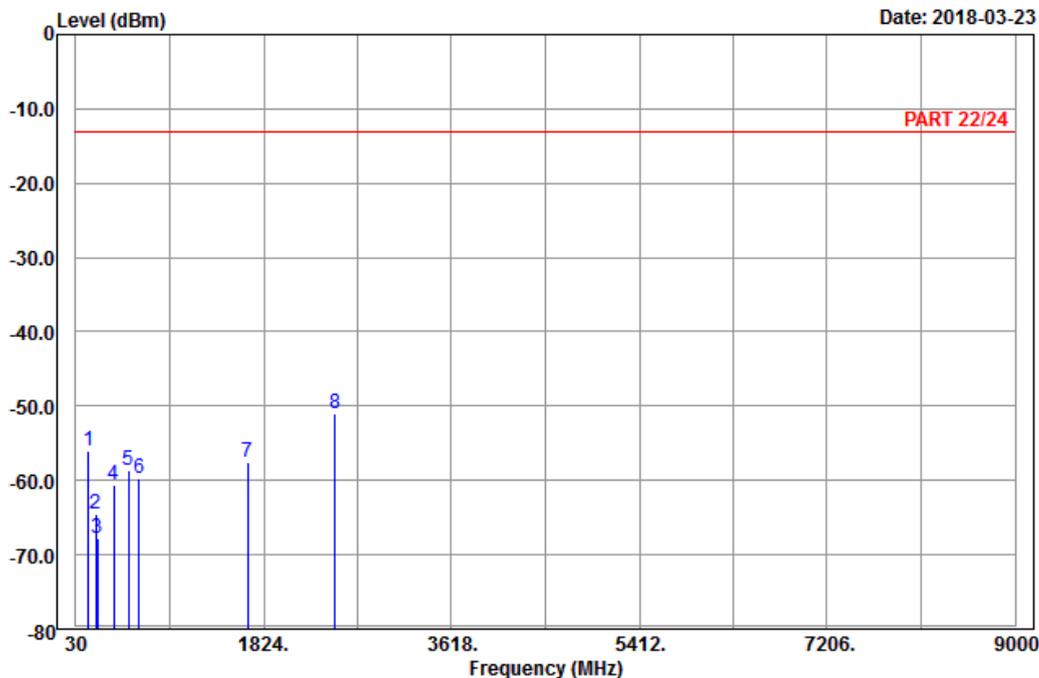


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20525
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	152.31	-55.99	-48.10	-13.00	-42.99	-7.89	Peak
2	217.65	-64.61	-58.66	-13.00	-51.61	-5.95	Peak
3	233.58	-67.69	-61.96	-13.00	-54.69	-5.73	Peak
4	396.60	-60.54	-57.64	-13.00	-47.54	-2.90	Peak
5	532.40	-58.55	-55.61	-13.00	-45.55	-2.94	Peak
6	631.10	-59.73	-59.80	-13.00	-46.73	0.07	Peak
7	1673.00	-57.62	-65.53	-13.00	-44.62	7.91	Peak
8 pp	2509.50	-51.07	-62.35	-13.00	-38.07	11.28	Peak

High Channel

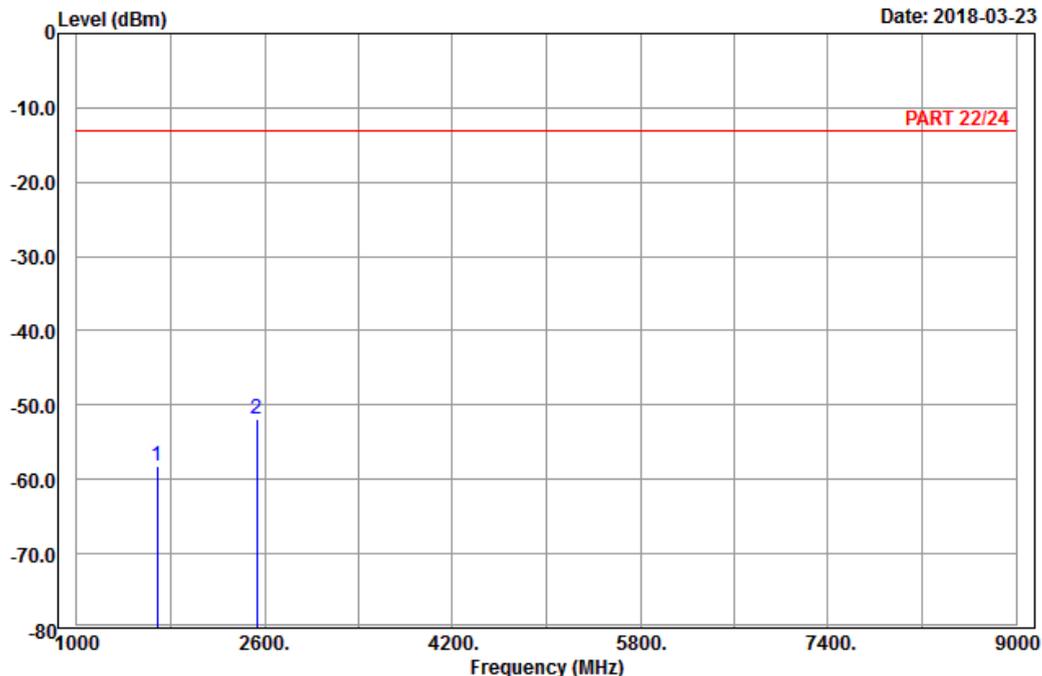


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 5_Link_CH20600
 Tested by: Charles Hsiao

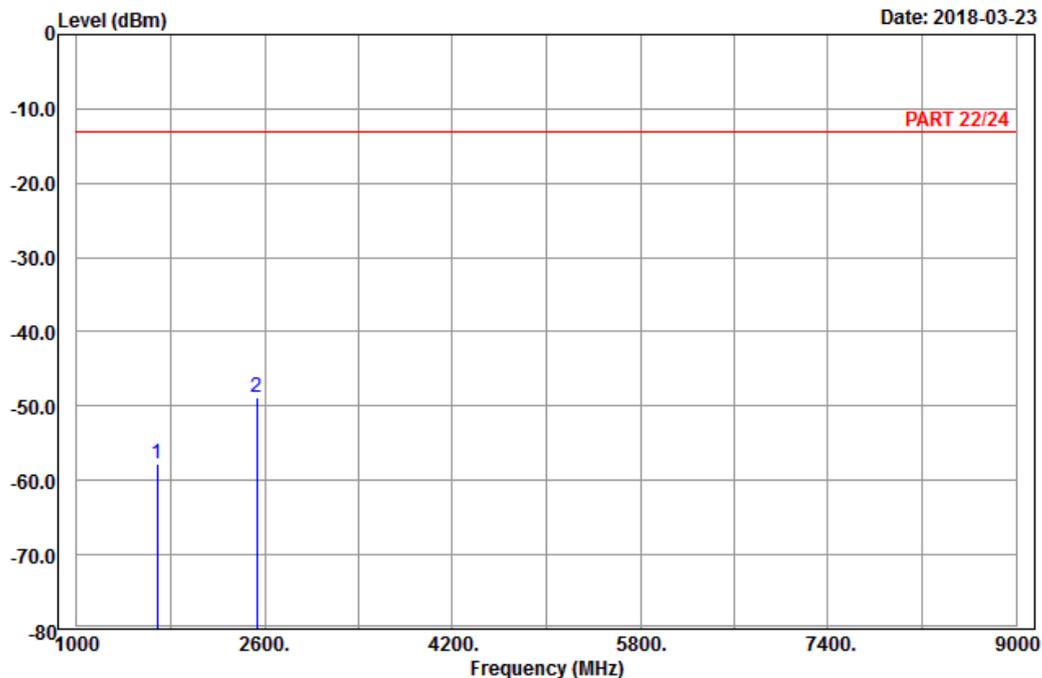
	Freq	Level	Read Level	Limit	Over	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1688.00	-58.22	-66.24	-13.00	-45.22	8.02	Peak
2	2532.00	-51.87	-63.25	-13.00	-38.87	11.38	Peak



A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 5_Link_CH20600
 Tested by: Charles Hsiao

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1688.00	-57.76	-65.78	-13.00	-44.76	8.02	Peak
2	2532.00	-48.79	-60.17	-13.00	-35.79	11.38	Peak

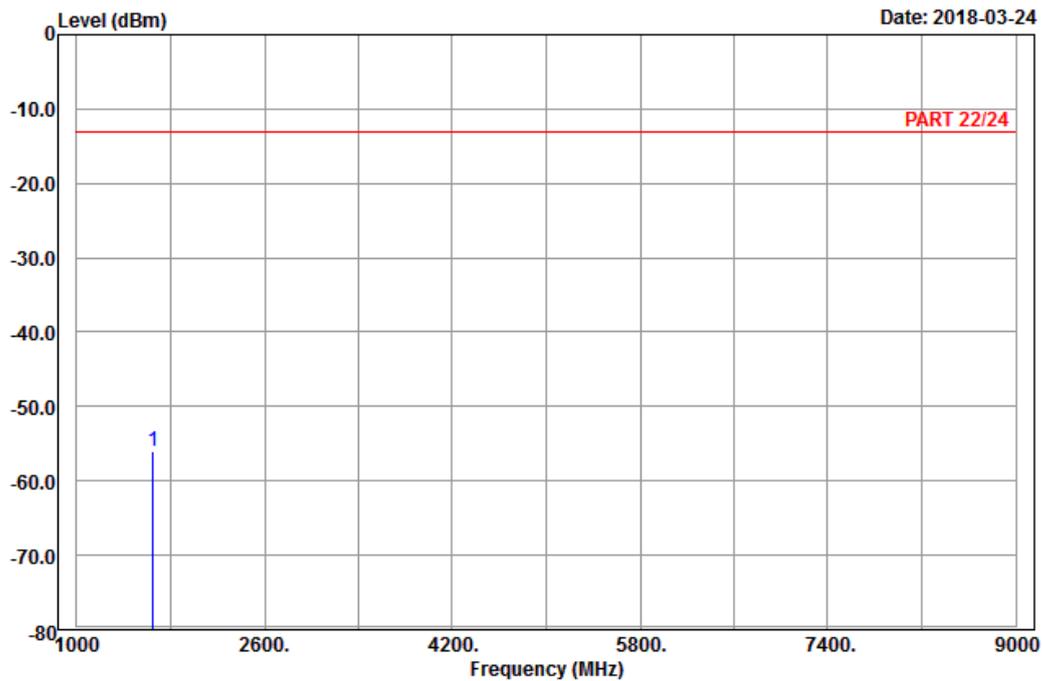
LTE Band 26
 Channel Bandwidth: 1.4 MHz / QPSK
 Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 26_Link_CH26797
 Tested by: Karl Lee

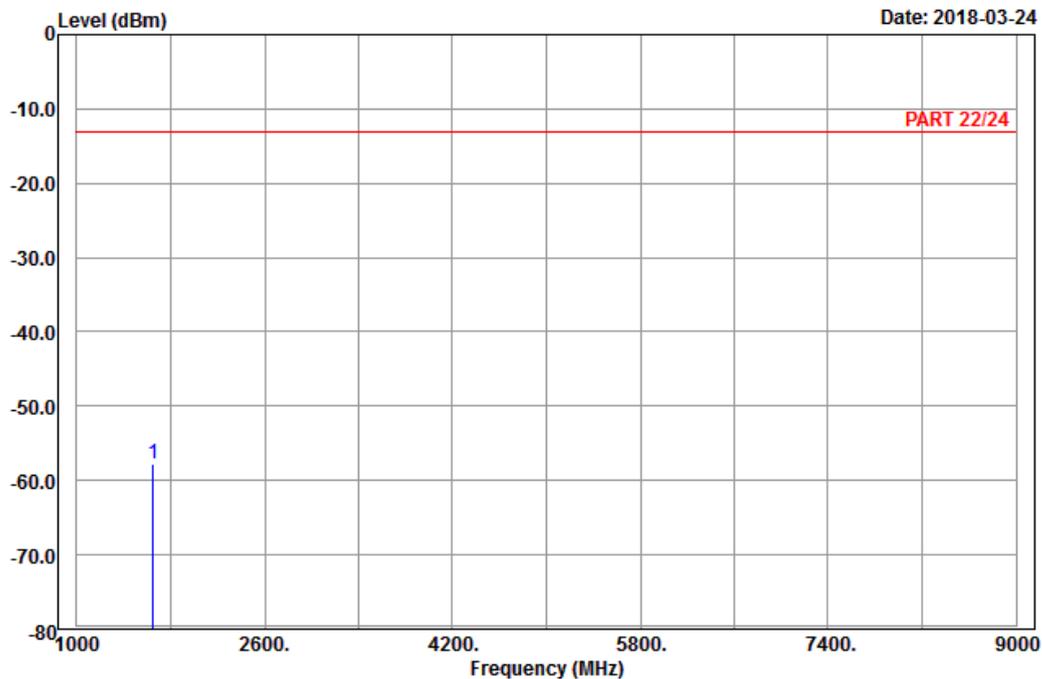
	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor Remark
MHz	dBm	dBm	dBm	dB	dB
1 pp 1649.40	-56.01	-63.74	-13.00	-43.01	7.73 Peak



A D T

Data: 4

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH26797
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1649.40	-57.78	-65.51	-13.00	-44.78	7.73	Peak

Middle Channel

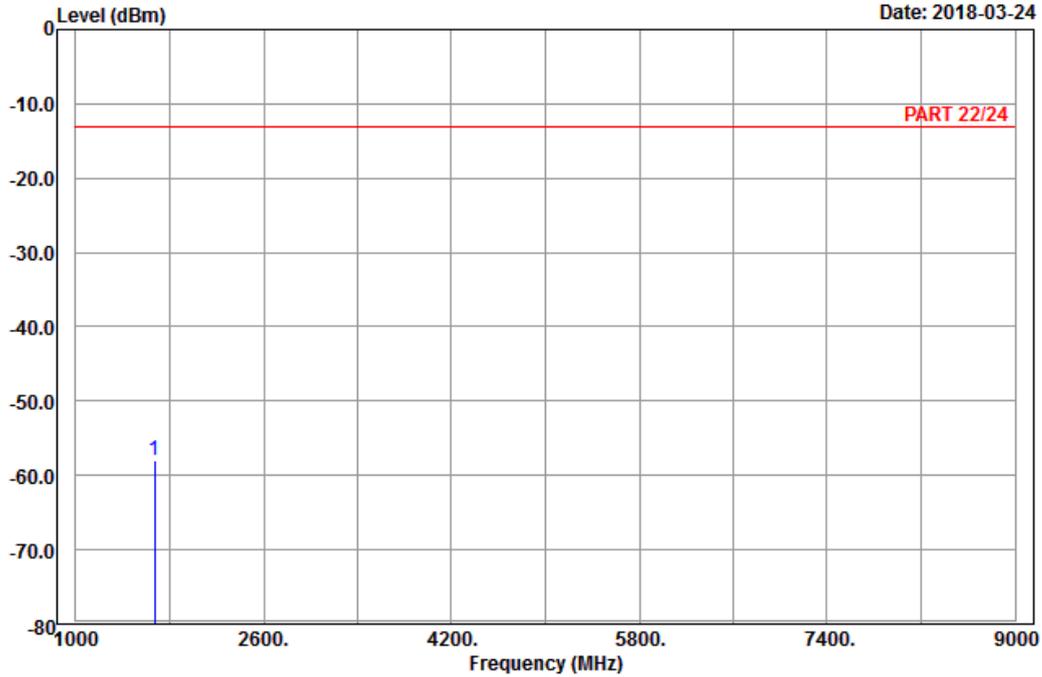


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 26_Link_CH26915
 Tested by: Karl Lee

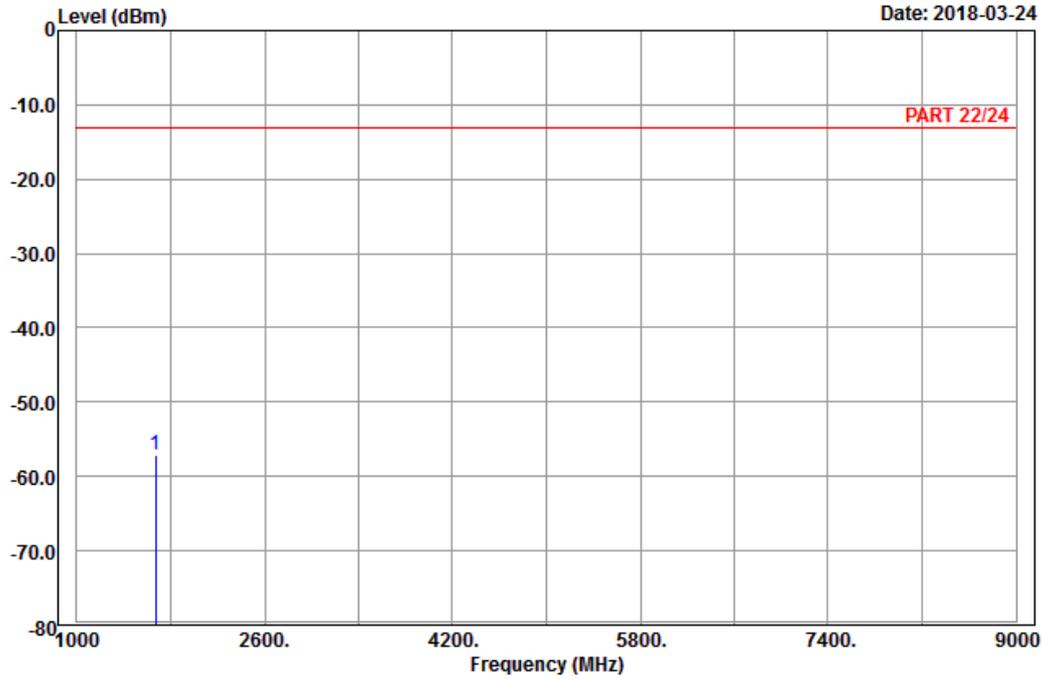
Freq	Level	Read Level	Limit	Over	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1673.00	-57.99	-65.90	-13.00	-44.99	7.91	Peak



A D T

Data: 4

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH26915
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1673.00	-57.05	-64.96	-13.00	-44.05	7.91	Peak

High Channel

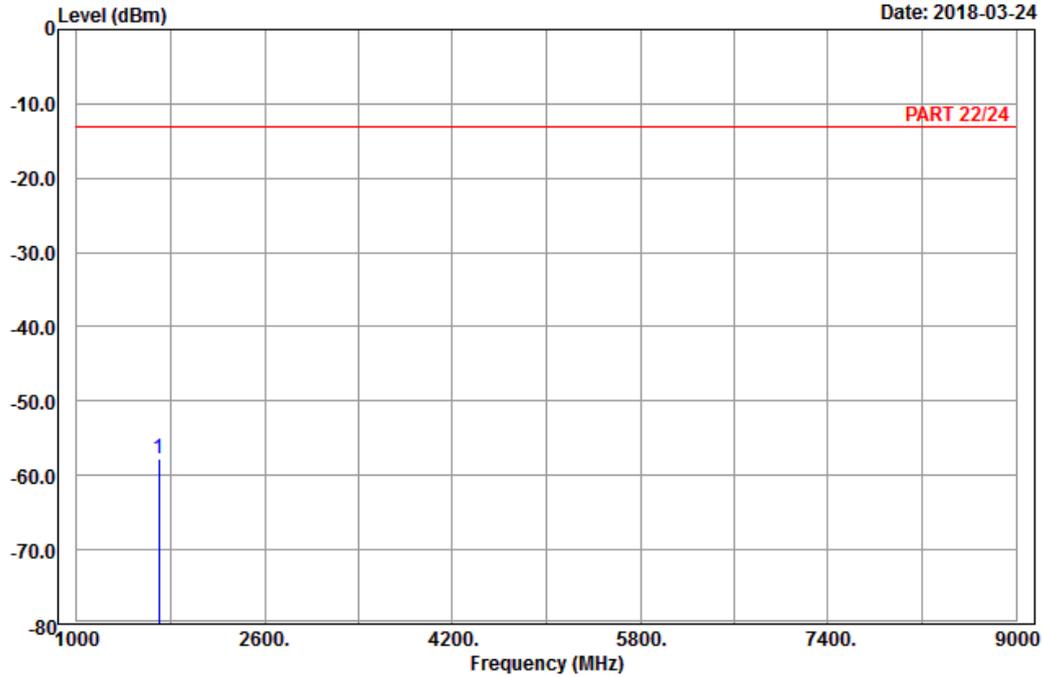


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 26_Link_CH27015
 Tested by: Karl Lee

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1696.60	-57.87	-66.01	-13.00	-44.87	8.14	Peak

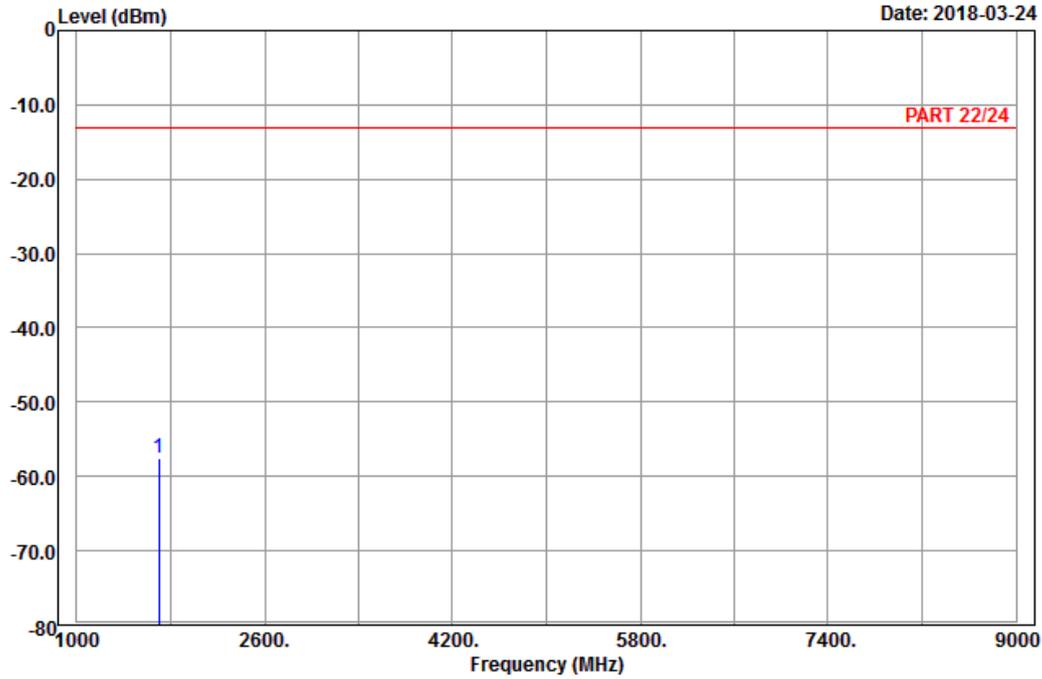


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH27015
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1696.60	-57.62	-65.76	-13.00	-44.62	8.14	Peak

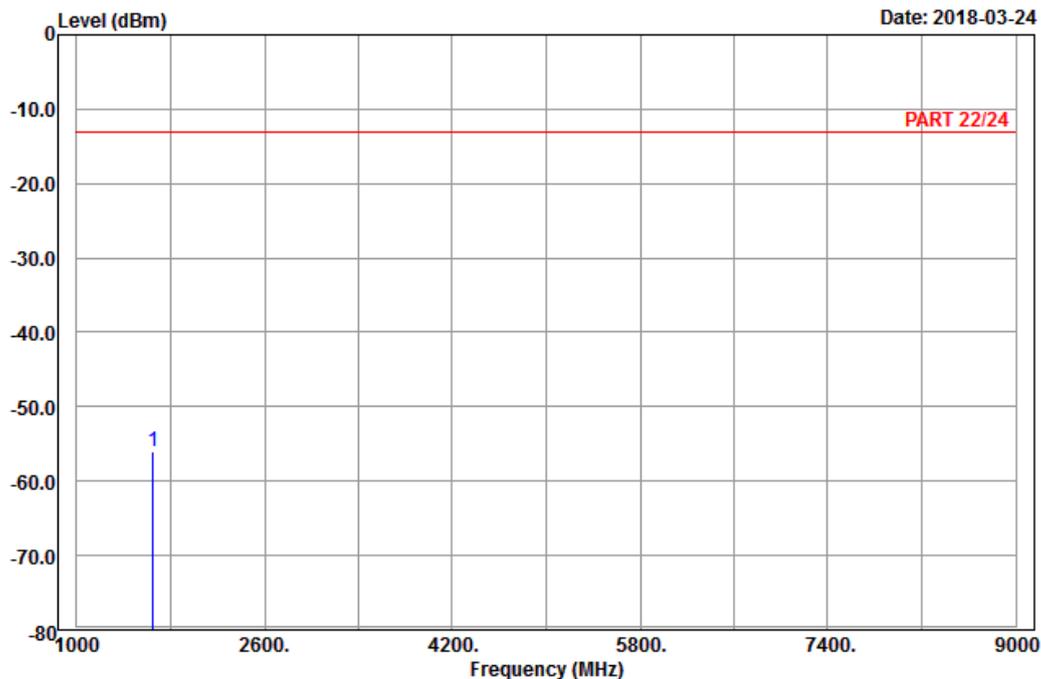
Channel Bandwidth: 5 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 chamber 1
Condition: PART 22/24 Horizontal
Remark : LTE_Band 26_Link_CH26815
Tested by: Karl Lee

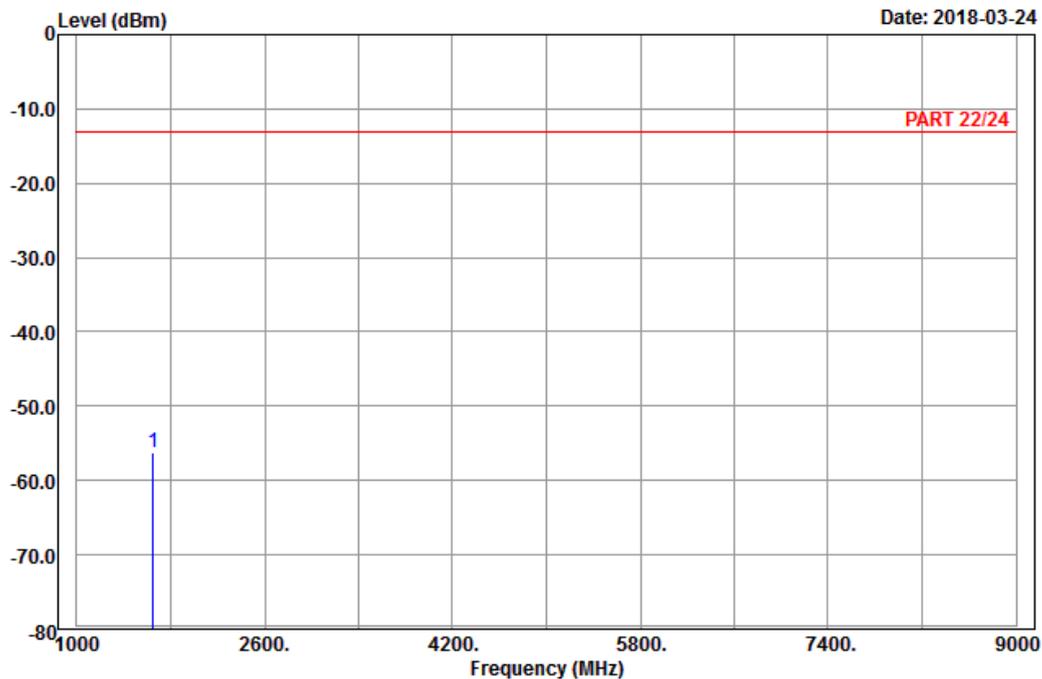
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1653.00	-55.92	-63.65	-13.00	-42.92	7.73	Peak



A D T

Data: 4

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH26815
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1653.00	-56.22	-63.95	-13.00	-43.22	7.73	Peak

Middle Channel

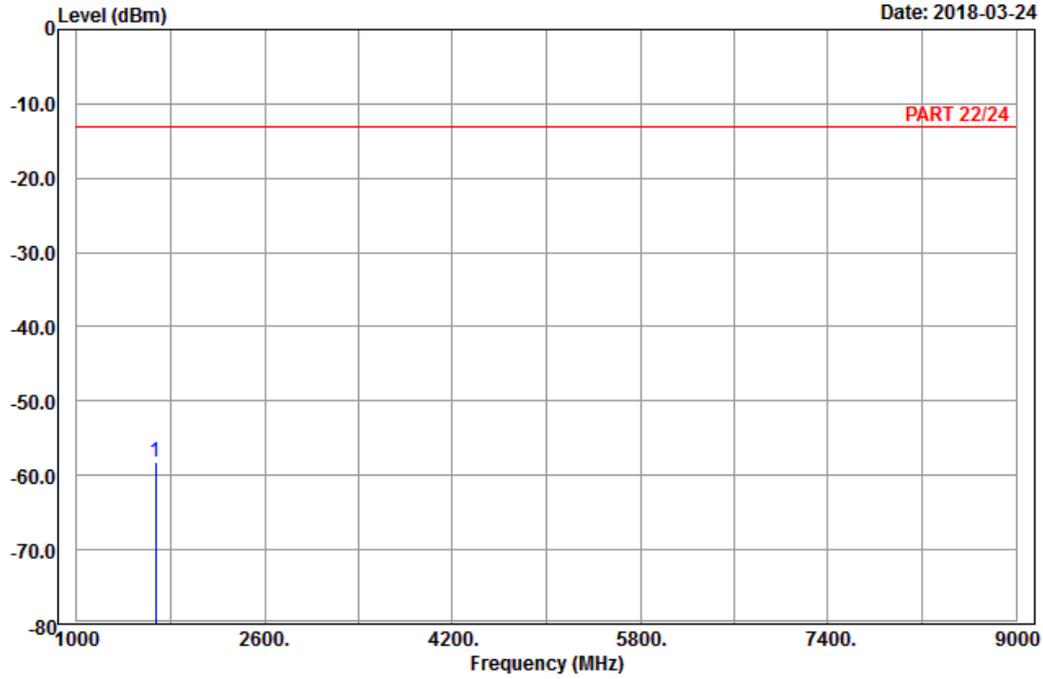


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 26_Link_CH26915
 Tested by: Karl Lee

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1673.00	-58.24	-66.15	-13.00	-45.24	7.91	Peak

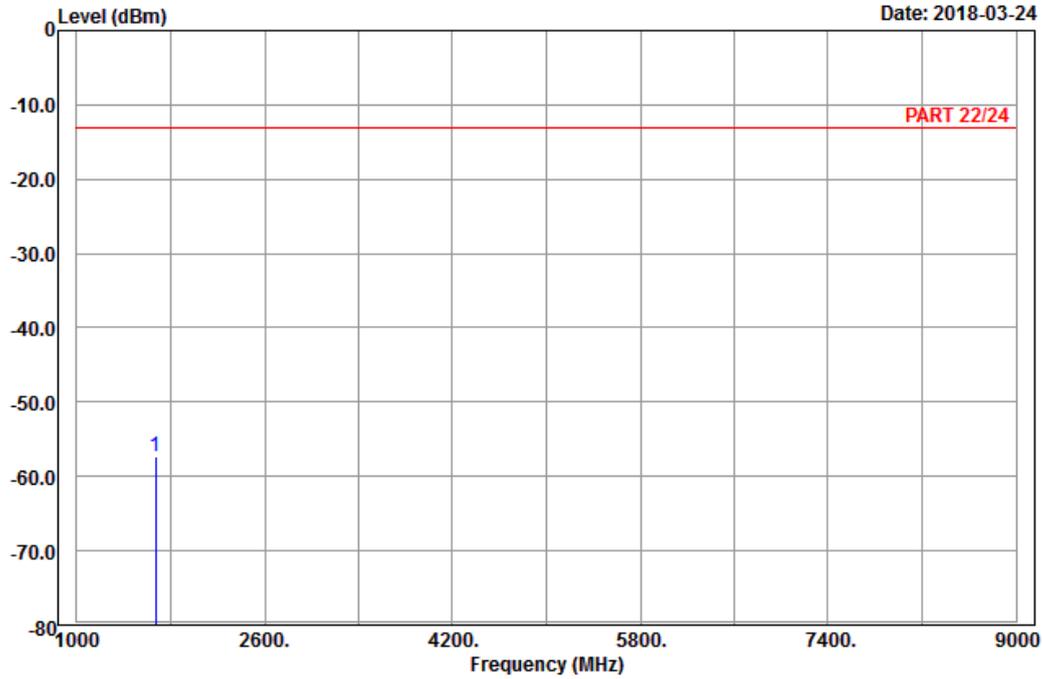


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 4

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH26915
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1673.00	-57.37	-65.28	-13.00	-44.37	7.91	Peak

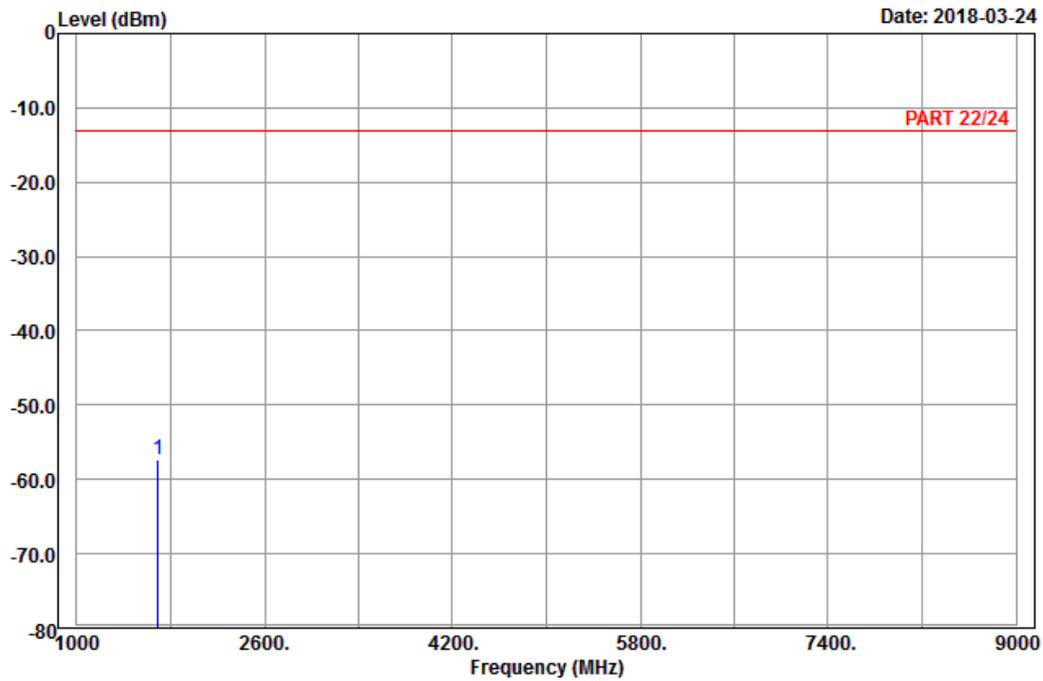
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 3



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 26_Link_CH27015
 Tested by: Karl Lee

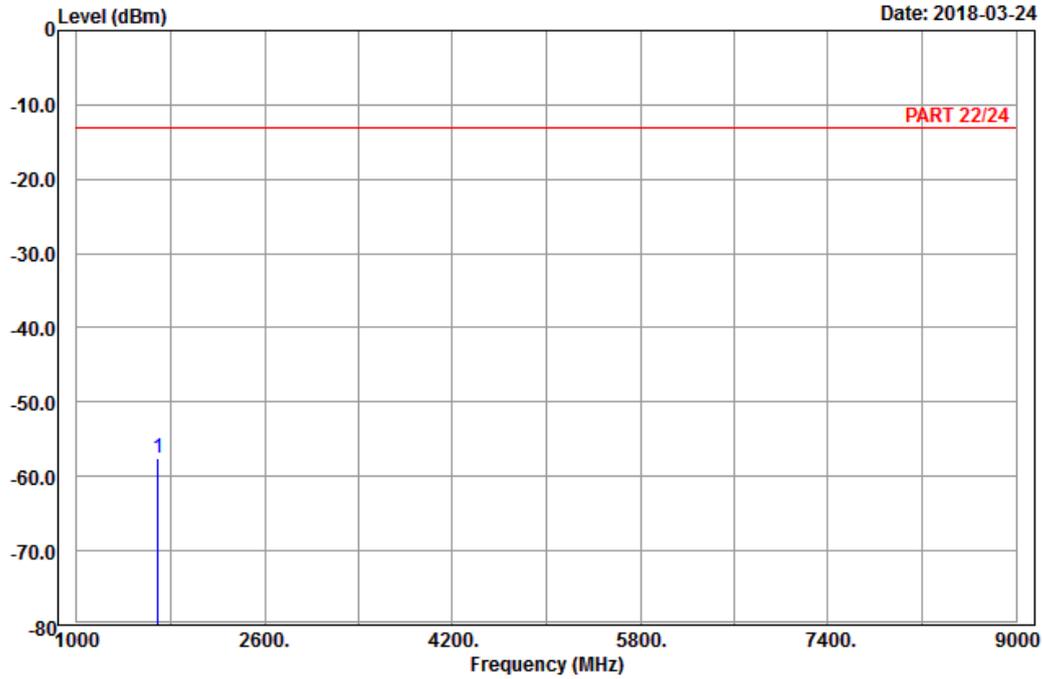
Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1693.00	-57.35	-65.37	-13.00	-44.35	8.02	Peak



A D T

Data: 4

Date: 2018-03-24



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH27015
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1693.00	-57.46	-65.48	-13.00	-44.46	8.02	Peak

Channel Bandwidth: 15 MHz / QPSK
Low Channel

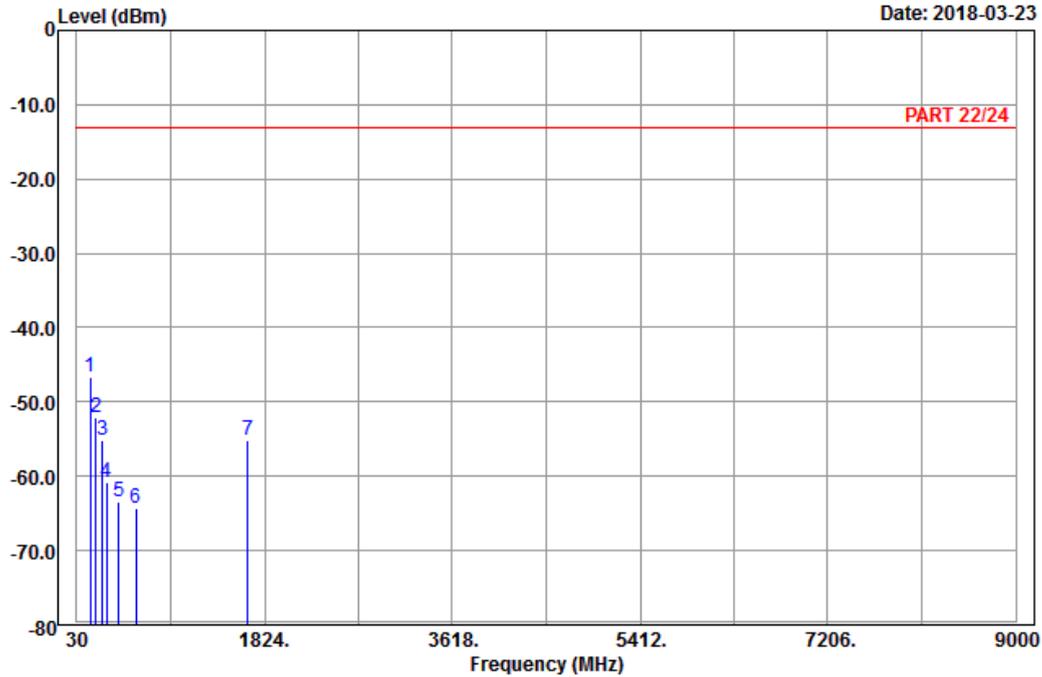


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-03-23



Site : 966 chamber 1
Condition: PART 22/24 Horizontal
Remark : LTE_Band 26_Link_CH26865
Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	157.71	-46.56	-38.84	-13.00	-33.56	-7.72	Peak
2	214.68	-52.08	-46.09	-13.00	-39.08	-5.99	Peak
3	277.32	-55.24	-49.48	-13.00	-42.24	-5.76	Peak
4	311.20	-60.71	-54.89	-13.00	-47.71	-5.82	Peak
5	432.30	-63.45	-59.99	-13.00	-50.45	-3.46	Peak
6	592.60	-64.25	-64.36	-13.00	-51.25	0.11	Peak
7	1663.00	-55.22	-63.13	-13.00	-42.22	7.91	Peak

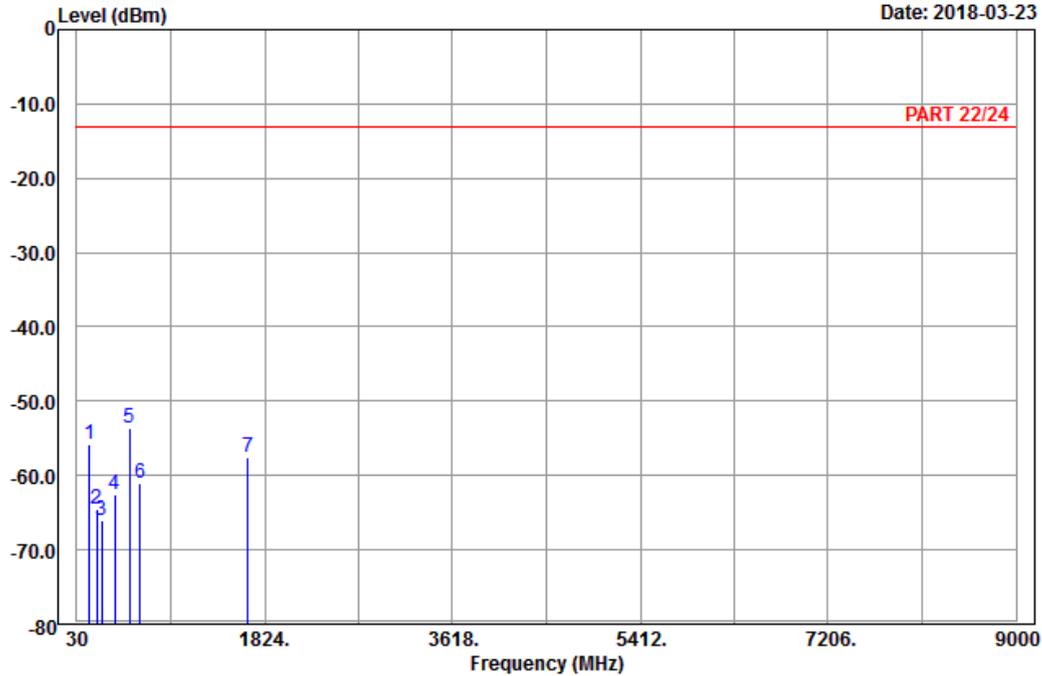


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH26865
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	151.23	-55.76	-47.84	-13.00	-42.76	-7.92	Peak
2	217.92	-64.57	-58.63	-13.00	-51.57	-5.94	Peak
3	268.14	-66.01	-60.33	-13.00	-53.01	-5.68	Peak
4	395.90	-62.62	-59.67	-13.00	-49.62	-2.95	Peak
5 pp	531.00	-53.54	-50.46	-13.00	-40.54	-3.08	Peak
6	631.80	-61.01	-61.08	-13.00	-48.01	0.07	Peak
7	1663.00	-57.58	-65.49	-13.00	-44.58	7.91	Peak

Middle Channel

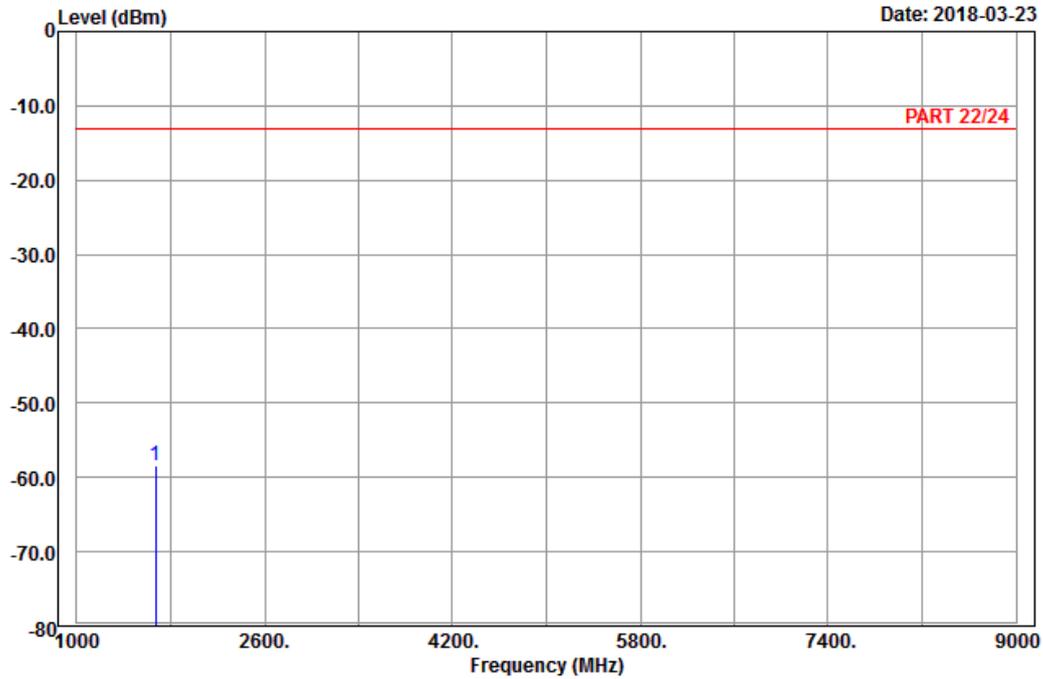


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 26_Link_CH26915
 Tested by: Karl Lee

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1673.00	-58.47	-66.38	-13.00	-45.47	7.91	Peak

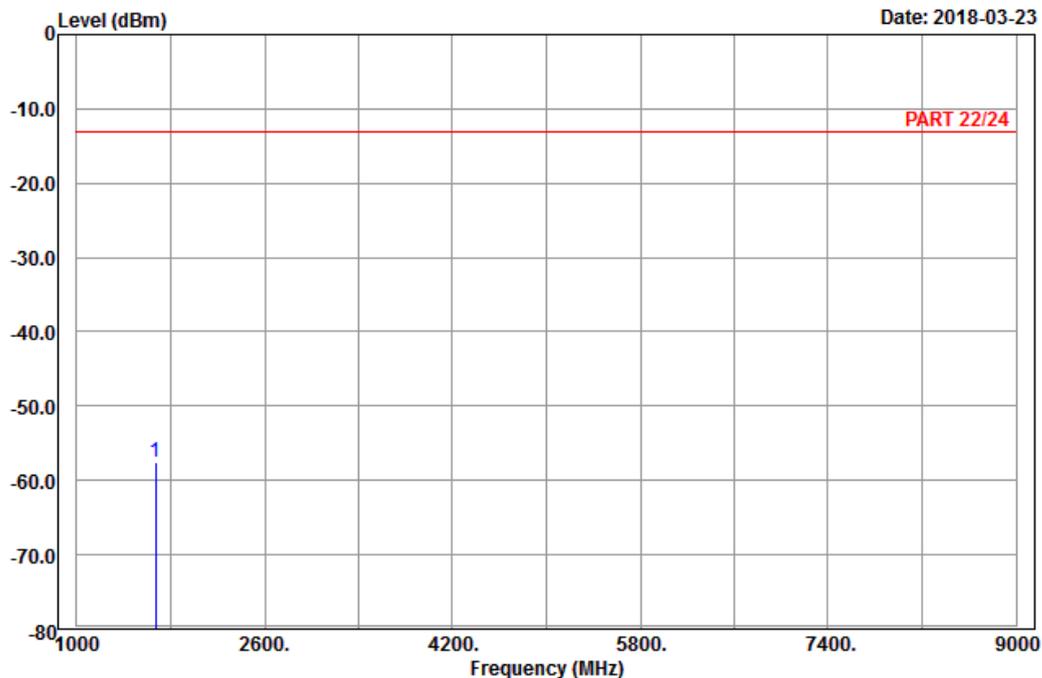


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH26915
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1673.00	-57.64	-65.55	-13.00	-44.64	7.91	Peak

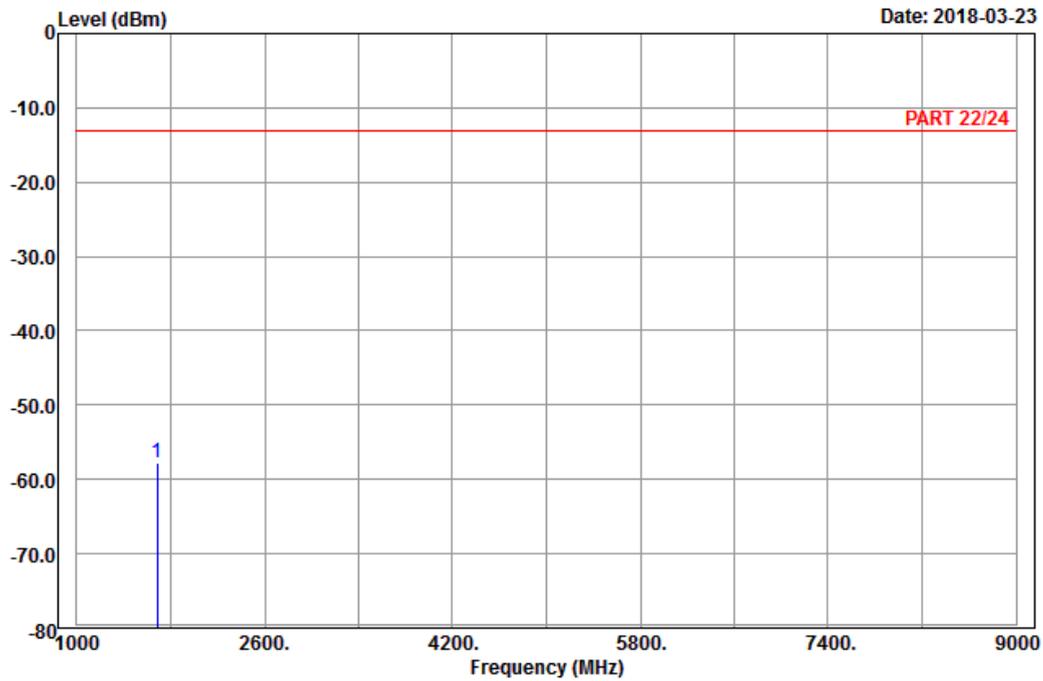
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 22/24 Horizontal
 Remark : LTE_Band 26_Link_CH26965
 Tested by: Karl Lee

Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1 pp 1683.00	-57.75	-65.77	-13.00	-44.75	8.02	Peak

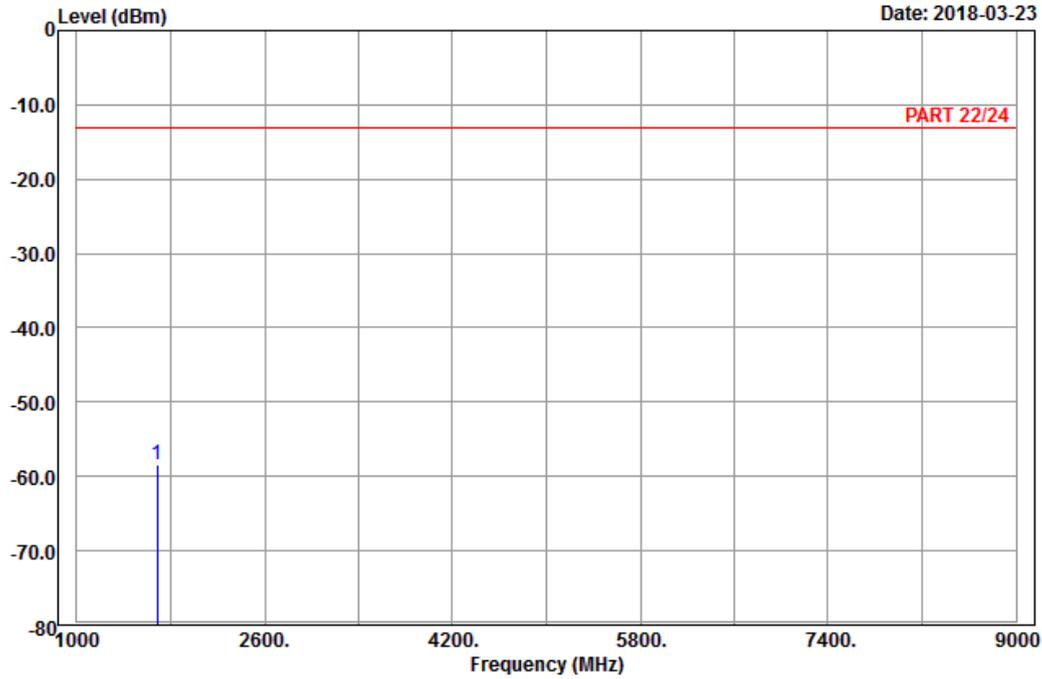


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-03-23



Site : 966 chamber 1
 Condition: PART 22/24 Vertical
 Remark : LTE_Band 26_Link_CH26965
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	pp 1683.00	-58.47	-66.49	-13.00	-45.47	8.02	Peak

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – 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 FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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

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Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

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

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