

FCC Test Report

(Spot Check: Part 22, Part 27, Part 90 – NSA Mode: n41A + LTE Band 26)

Report No.: RF200514C16B-4

FCC ID: T8GSAN9001

Original FCC ID: T8GSAN9000

Test Model: SA-N9001 CUS D1

Received Date: May 14, 2020

Test Date: Nov. 29 ~ Dec. 24, 2020

Issued Date: Dec. 30, 2020

Applicant: Harman Connected Car Division

Address: Parking 3, 85748 Garching Germany

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

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location: No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City
33383, Taiwan

FCC Registration / 788550 / TW0003

Designation Number:



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Release Control Record

Issue No.	Description	Date Issued
RF200514C16B-4	Original release	Dec. 30, 2020

1 Certificate of Conformity

Product: Module

Brand: Harman

Test Model: SA-N9001 CUS D1

Sample Status: Standard Sample

Applicant: Harman Connected Car Division

Test Date: Nov. 29 ~ Dec. 24, 2020

Standards: FCC Part 22, Subpart H
FCC Part 27, Subpart M
FCC Part 90, Subpart S

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 : Celine Chou , **Date:** Dec. 30, 2020
Celine Chou / Senior Specialist

Approved by : Bruce Chen , **Date:** Dec. 30, 2020
Bruce Chen / Senior Project Engineer

2 Summary of Test Results

For LTE Band 26

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.
2.1053 22.917	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -34.80dB at 1663.00MHz.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

For n41

Applied Standard: FCC Part 27 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 27.50 (h)(2)	Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
2.1053 27.53 (m)(4)(6)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -24.00dB at 45.69MHz.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

For LTE Band 26

Applied Standard: FCC Part 90 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 90.635(b)	Effective Radiated Power	Pass	Meet the requirement of limit.
2.1053 90.691	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -35.10dB at 1638.00MHz.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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) (±)
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.04 dB
	30MHz ~ 200MHz	3.59 dB
	200MHz ~ 1000MHz	3.60 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

2.2 Test Site and Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver KEYSIGHT	N9038A	MY55420137	Apr. 16, 2020	Apr. 15, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Nov. 06, 2020	Nov. 05, 2021
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1169	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 22, 2020	Nov. 21, 2021
Loop Antenna TESEQ	HLA 6121	45745	Jul. 06, 2020	Jul. 05, 2021
Preamplifier Agilent (Below 1GHz)	8447D	2944A10638	Jun. 08, 2020	Jun. 07, 2021
Preamplifier Agilent (Above 1GHz)	8449B	3008A02367	Feb. 18, 2020	Feb. 17, 2021
RF signal cable HUBER+SUHNER&EMCI	SUCOFLEX 104 & EMC104-SM-SM8 000	CABLE-CH9-02 (248780+171006)	Jan. 18, 2020	Jan. 17, 2021
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	Jan. 18, 2020	Jan. 17, 2021
RF signal cable Woken	8D-FB	Cable-CH9-01	Jun. 08, 2020	Jun. 07, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower & Turn BV ADT	AT100	AT93021705	NA	NA
Turn Table BV ADT	TT100	TT93021705	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Pre-amplifier (18GHz-40GHz) EMC	EMC184045B	980175	Sep. 04, 2020	Sep. 03, 2021
UXM 5G Wireless Test Platform Keysight	E7515B	MY58300759	Apr. 18, 2020	Apr. 17, 2021
Standard Temperature And Humidity Chamber TERCHY	MHU-225AU	920842	May 27, 2020	May 31, 2021
JFW 20dB attenuation	50HF-020-SMA	NA	NA	NA
True RMS Clamp Meter Fluke	325	31130711WS	Jun. 06, 2020	Jun. 05, 2021
DC power supply	U8002A	MY56330015	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 9.

3 General Information

3.1 General Description of EUT

Product	Module
Brand	Harman
Test Model	SA-N9001 CUS D1
Sample Status	Standard Sample
Power Supply rating	4.2Vdc

n41

Modulation Type	$\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM					
Waveform Type	CP-OFDM, DFT-s-OFDM					
Operating Frequency	n41 (Channel Bandwidth: 10MHz)	2501.01 ~ 2685.00MHz				
	n41 (Channel Bandwidth: 15MHz)	2503.50 ~ 2682.48MHz				
	n41 (Channel Bandwidth: 20MHz)	2506.02 ~ 2679.99MHz				
	n41 (Channel Bandwidth: 40MHz)	2516.01 ~ 2670.00MHz				
	n41 (Channel Bandwidth: 50MHz)	2521.02 ~ 2664.99MHz				
	n41 (Channel Bandwidth: 60MHz)	2526.00 ~ 2659.98MHz				
	n41 (Channel Bandwidth: 80MHz)	2536.02 ~ 2649.99MHz				
	n41 (Channel Bandwidth: 90MHz)	2541.00 ~ 2644.98MHz				
	n41 (Channel Bandwidth: 100MHz)	2546.01 ~ 2640.00MHz				
Max. EIRP Power		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n41 (Channel Bandwidth: 10MHz)	364.754mW (25.62dBm)	180.302mW (22.56dBm)	177.011mW (22.48dBm)	175.388mW (22.44dBm)	91.833mW (19.63dBm)
	n41 (Channel Bandwidth: 15MHz)	369.828mW (25.68dBm)	181.970mW (22.60dBm)	179.473mW (22.54dBm)	177.011mW (22.48dBm)	91.201mW (19.60dBm)
	n41 (Channel Bandwidth: 20MHz)	367.282mW (25.65dBm)	183.654mW (22.64dBm)	181.552mW (22.59dBm)	175.792mW (22.45dBm)	91.622mW (19.62dBm)
	n41 (Channel Bandwidth: 40MHz)	364.754mW (25.62dBm)	182.810mW (22.62dBm)	179.061mW (22.53dBm)	173.380mW (22.39dBm)	92.257mW (19.65dBm)
	n41 (Channel Bandwidth: 50MHz)	398.107mW (26.00dBm)	199.067mW (22.99dBm)	199.067mW (22.99dBm)	177.419mW (22.49dBm)	89.125mW (19.50dBm)
	n41 (Channel Bandwidth: 60MHz)	369.828mW (25.68dBm)	185.353mW (22.68dBm)	176.604mW (22.47dBm)	174.181mW (22.41dBm)	92.470mW (19.66dBm)
	n41 (Channel Bandwidth: 80MHz)	365.595mW (25.63dBm)	181.970mW (22.60dBm)	177.828mW (22.50dBm)	176.198mW (22.46dBm)	91.622mW (19.62dBm)
	n41 (Channel Bandwidth: 90MHz)	368.978mW (25.67dBm)	179.887mW (22.55dBm)	180.302mW (22.56dBm)	172.584mW (22.37dBm)	91.833mW (19.63dBm)
	n41 (Channel Bandwidth: 100MHz)	366.438mW (25.64dBm)	183.231mW (22.63dBm)	179.473mW (22.54dBm)	177.011mW (22.48dBm)	90.991mW (19.59dBm)
Emission Designator		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n41 (Channel Bandwidth: 10MHz)	8M57G7D	8M58G7D	8M57D7W	8M54D7W	8M54D7W
	n41 (Channel Bandwidth: 15MHz)	12M8G7D	12M9G7D	12M8D7W	12M8D7W	12M8D7W
	n41 (Channel Bandwidth: 20MHz)	17M9G7D	17M9G7D	17M8D7W	17M8D7W	17M8D7W
	n41 (Channel Bandwidth: 40MHz)	35M7G7D	35M7G7D	35M7D7W	35M7D7W	35M7D7W
	n41 (Channel Bandwidth: 50MHz)	45M6G7D	45M7G7D	45M6D7W	45M6D7W	45M6D7W
	n41 (Channel Bandwidth: 60MHz)	57M7G7D	57M7G7D	57M7D7W	57M7D7W	57M7D7W
	n41 (Channel Bandwidth: 80MHz)	77M0G7D	77M0G7D	77M0D7W	77M1D7W	77M0D7W
	n41 (Channel Bandwidth: 90MHz)	85M5G7D	85M5G7D	85M5D7W	85M5D7W	85M5D7W
n41 (Channel Bandwidth: 100MHz)	96M1G7D	96M2G7D	96M2D7W	96M2D7W	96M2D7W	

LTE Band

Modulation Type	QPSK, 16QAM, 64QAM, 256QAM					
Operating Frequency	Part 22	LTE Band 26 (Channel Bandwidth: 1.4MHz)	824.7 ~ 848.3MHz			
		LTE Band 26 (Channel Bandwidth: 3MHz)	825.5 ~ 847.5MHz			
		LTE Band 26 (Channel Bandwidth: 5MHz)	826.5 ~ 846.5MHz			
		LTE Band 26 (Channel Bandwidth: 10MHz)	829.0 ~ 844.0MHz			
		LTE Band 26 (Channel Bandwidth: 15MHz)	831.5 ~ 841.5MHz			
	Part 90	LTE Band 26 (Channel Bandwidth: 1.4MHz)	814.7 ~ 823.3MHz			
		LTE Band 26 (Channel Bandwidth: 3MHz)	815.5 ~ 822.5MHz			
		LTE Band 26 (Channel Bandwidth: 5MHz)	816.5 ~ 821.5MHz			
LTE Band 26 (Channel Bandwidth: 10MHz)		819.0MHz				
Max. ERP Power	Part 22		QPSK	16QAM	64QAM	256QAM
		LTE Band 26 (Channel Bandwidth: 1.4MHz)	164.437mW (22.16dBm)	131.220mW (21.18dBm)	104.472mW (20.19dBm)	66.069mW (18.20dBm)
		LTE Band 26 (Channel Bandwidth: 3MHz)	165.577mW (22.19dBm)	132.130mW (21.21dBm)	102.565mW (20.11dBm)	65.313mW (18.15dBm)
		LTE Band 26 (Channel Bandwidth: 5MHz)	162.555mW (22.11dBm)	132.130mW (21.21dBm)	103.276mW (20.14dBm)	65.013mW (18.13dBm)
		LTE Band 26 (Channel Bandwidth: 10MHz)	164.059mW (22.15dBm)	131.220mW (21.18dBm)	104.954mW (20.21dBm)	65.917mW (18.19dBm)
	Part 90	LTE Band 26 (Channel Bandwidth: 15MHz)	164.059mW (22.15dBm)	133.352mW (21.25dBm)	106.170mW (20.26dBm)	65.766mW (18.18dBm)
		LTE Band 26 (Channel Bandwidth: 1.4MHz)	167.880mW (22.25dBm)	128.233mW (21.08dBm)	103.276mW (20.14dBm)	65.013mW (18.13dBm)
		LTE Band 26 (Channel Bandwidth: 3MHz)	168.267mW (22.26dBm)	129.420mW (21.12dBm)	103.992mW (20.17dBm)	64.565mW (18.10dBm)
		LTE Band 26 (Channel Bandwidth: 5MHz)	165.577mW (22.19dBm)	130.017mW (21.14dBm)	102.565mW (20.11dBm)	66.374mW (18.22dBm)
		LTE Band 26 (Channel Bandwidth: 10MHz)	155.239mW (21.91dBm)	124.165mW (20.94dBm)	99.083mW (19.96dBm)	62.517mW (17.96dBm)
			QPSK	16QAM	64QAM	256QAM
		LTE Band 26 (Channel Bandwidth: 1.4MHz)	1M09G7D	1M09G7D	1M09D7W	1M09D7W
Emission Designator	Part 22	LTE Band 26 (Channel Bandwidth: 3MHz)	2M68G7D	2M68G7D	2M68D7W	2M69D7W
		LTE Band 26 (Channel Bandwidth: 5MHz)	4M49G7D	4M50G7D	4M49D7W	4M50D7W
		LTE Band 26 (Channel Bandwidth: 10MHz)	8M98G7D	8M98G7D	8M98D7W	8M98D7W
		LTE Band 26 (Channel Bandwidth: 15MHz)	13M4G7D	13M4G7D	13M4D7W	13M4D7W
		Part 90	LTE Band 26 (Channel Bandwidth: 1.4MHz)	1M09G7D	1M09G7D	1M09D7W
	LTE Band 26 (Channel Bandwidth: 3MHz)		2M68G7D	2M69G7D	2M68D7W	2M69D7W
	LTE Band 26 (Channel Bandwidth: 5MHz)		4M50G7D	4M50G7D	4M50D7W	4M49D7W
	LTE Band 26 (Channel Bandwidth: 10MHz)		8M97G7D	8M97G7D	8M97D7W	8M97D7W
Antenna Type	Refer to note					
Antenna Connector	Refer to note					
Accessory Device	NA					
Cable Supplied	NA					

Note:

1. This report is a supplementary report to the original BV CPS report no.: RF200514C16A-4. Exhibit prepared for FCC Spot Check Verification report, the format, test items and amount of spot-check test data are decided by applicant's engineering judgment, for more details please refer to declaration letter exhibit. Radiated emission and output power verification worst test refer to original report.
2. The antenna information is listed as below.

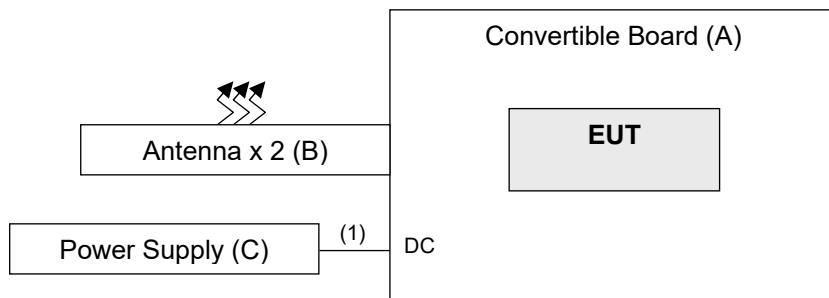
Operating frequency band	Antenna	Gain (dBi)	Connector Type
Band 2	5G/4G Terminal Mount Monopole Antenna	2.92	SMA
Band 5		1.01	
Band 7		2.20	
Band 12		-1.17	
Band 25		2.97	
Band 38		2.18	
Band 41		2.20	
Band 66		3.44	
Band 71		1.72	
Band 77		2.61	

* The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3. The EUT supports the following ENDC configuration.

	FCC 5G FR1			ENDC
	Band	SCS	Bandwidth (MHz)	
5G NR	n5	15kHz	5/10/15/20	Band 2/66
	n41	30kHz	10/15/20/40/50/60/80/90/100	Band 26
	n66	15kHz	5/10/15/20/40	Band 5/12
	n71	15kHz	5/10/15/20	Band 2/66

3.2 Configuration of System under 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. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Convertible Board	NA	NA	NA	NA	Provided by client
B.	Antenna x 2	TAOGLAS	TG.55.8113	NA	NA	Provided by client
C.	DC Power supply	TECPEL	GPS-3030DD	GEO855739	NA	-

Note: All power cords of the above support units are non-shielded (1.8m).

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC cable	1	1	N	0	-

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 on X-plane. Following channel(s) was (were) selected for the final test as listed below.

n41

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	500202 to 537000	500202 (2501.01MHz), 518598 (2592.99MHz), 537000 (2685.00MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 12 RB Offset 1 RB / 23 RB Offset 12 RB / 0 RB Offset 12 RB / 6 RB Offset 12 RB / 12 RB Offset 24 RB / 0 RB Offset
		500700 to 536496	500700 (2503.50MHz), 518598 (2592.99MHz), 536496 (2682.48MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 19 RB Offset 1 RB / 37 RB Offset 19 RB / 0 RB Offset 19 RB / 9 RB Offset 19 RB / 20 RB Offset 38 RB / 0 RB Offset
		501204 to 535998	501204 (2506.02MHz), 518598 (2592.99MHz), 535998 (2679.99MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 25 RB Offset 1 RB / 50 RB Offset 25 RB / 0 RB Offset 25 RB / 12 RB Offset 25 RB / 25 RB Offset 51 RB / 0 RB Offset
		503202 to 534000	503202 (2516.01MHz), 518598 (2592.99MHz), 534000 (2670.00MHz)	40MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 53 RB Offset 1 RB / 105 RB Offset 53 RB / 0 RB Offset 53 RB / 26 RB Offset 53 RB / 53 RB Offset 106 RB / 0 RB Offset
		504204 to 532998	504204 (2521.02MHz), 518598 (2592.99MHz), 532998 (2664.99MHz)	50MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 66 RB Offset 1 RB / 132 RB Offset 66 RB / 0 RB Offset 66 RB / 33 RB Offset 66 RB / 66 RB Offset 133 RB / 0 RB Offset
		505200 to 531996	505200 (2526.00MHz), 518598 (2592.99MHz), 531996 (2659.98MHz)	60MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 81 RB Offset 1 RB / 161 RB Offset 81 RB / 0 RB Offset 81 RB / 40 RB Offset 81 RB / 81 RB Offset 162 RB / 0 RB Offset
		507204 to 529998	507204 (2536.02MHz), 518598 (2592.99MHz), 529998 (2649.99MHz)	80MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 108 RB Offset 1 RB / 216 RB Offset 108 RB / 0 RB Offset 108 RB / 54 RB Offset 108 RB / 108 RB Offset 217 RB / 0 RB Offset
		508200 to 528996	508200 (2541.00MHz), 518598 (2592.99MHz), 528996 (2644.98MHz)	90MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 122 RB Offset 1 RB / 244 RB Offset 122 RB / 0 RB Offset 122 RB / 61 RB Offset 122 RB / 122 RB Offset 245 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	509202 to 528000	518598 (2592.99MHz)	100MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	509202 to 528000	518598 (2592.99MHz)	100MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset

LTE Band 26 (Part 22)

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	26797 to 27033	26797 (824.7MHz), 26915 (836.5MHz), 27033 (848.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 2 RB Offset 1 RB / 5 RB Offset 3 RB / 0 RB Offset 3 RB / 1 RB Offset 3 RB / 3 RB Offset 6 RB / 0 RB Offset
		26805 to 27025	26805 (825.5MHz), 26915 (836.5MHz), 27025 (847.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 7 RB Offset 1 RB / 14 RB Offset 8 RB / 0 RB Offset 8 RB / 3 RB Offset 8 RB / 7 RB Offset 15 RB / 0 RB Offset
		26815 to 27015	26815 (826.5MHz), 26915 (836.5MHz), 27015 (846.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 12 RB Offset 1 RB / 24 RB Offset 12 RB / 0 RB Offset 12 RB / 6 RB Offset 12 RB / 13 RB Offset 25 RB / 0 RB Offset
		26840 to 26990	26840 (829MHz), 26915 (836.5MHz), 26990 (844MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 24 RB Offset 1 RB / 49 RB Offset 25 RB / 0 RB Offset 25 RB / 12 RB Offset 25 RB / 25 RB Offset 50 RB / 0 RB Offset
		26865 to 26965	26865 (831.5MHz), 26915 (836.5MHz), 26965 (841.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 37 RB Offset 1 RB / 74 RB Offset 36 RB / 0 RB Offset 36 RB / 19 RB Offset 36 RB / 39 RB Offset 75 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	26865 to 26965	26865 (831.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	26865 to 26965	26865 (831.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset

LTE Band 26 (Part 90)

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	26697 to 26783	26697 (814.7MHz), 26740 (819.0MHz), 26783 (823.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 2 RB Offset 1 RB / 5 RB Offset 3 RB / 0 RB Offset 3 RB / 1 RB Offset 3 RB / 3 RB Offset 6 RB / 0 RB Offset
		26705 to 26775	26705 (815.5MHz), 26740 (819.0MHz), 26775 (822.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 7 RB Offset 1 RB / 14 RB Offset 8 RB / 0 RB Offset 8 RB / 3 RB Offset 8 RB / 7 RB Offset 15 RB / 0 RB Offset
		26715 to 26765	26715 (816.5MHz), 26740 (819.0MHz), 26765 (821.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 12 RB Offset 1 RB / 24 RB Offset 12 RB / 0 RB Offset 12 RB / 6 RB Offset 12 RB / 13 RB Offset 25 RB / 0 RB Offset
		26740	26740 (819.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset 1 RB / 24 RB Offset 1 RB / 49 RB Offset 25 RB / 0 RB Offset 25 RB / 12 RB Offset 25 RB / 25 RB Offset 50 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	26740	26740 (819.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	26740	26740 (819.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset

Test Condition:

Test Item	Environmental Conditions	Input Power (System)	Tested By
ERP / EIRP	25deg. C, 70%RH	4.2Vdc	James Yang
Radiated Emission	22deg. C, 66%RH	120Vac, 60Hz	Jones Chang

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 and References

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

Test Standard:

FCC 47 CFR Part 2

FCC 47 CFR Part 22

FCC 47 CFR Part 27

FCC 47 CFR Part 90

ANSI/TIA/EIA-603-D-2010

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

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

References Test Guidance:

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 971168 D02 Misc Rev Approv License Devices v02r01

All test items have been performed as a reference to the above KDB test guidance.

4 Test Types and Results

4.1 Output Power Measurement

4.1.1 Limits of Output Power Measurement

For n41:

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

For LTE Band 26 (Part 22):

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

For LTE Band 26 (Part 90):

Control stations and mobile stations transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 30 watts ERP. Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

4.1.2 Test Procedures

Conducted Power Measurement:

1. Connect the DUT transmitter output to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
2. Set span to at least 1.5 times the OBW.
3. Set RBW = 1-5% of the OBW, not to exceed 1 MHz.
4. Set VBW $\geq 3 \times$ RBW.
5. Set number of points in sweep $\geq 2 \times$ span / RBW.
6. Sweep time = auto-couple.
7. Detector = RMS (power averaging).
8. If the EUT can be configured to transmit continuously (i.e., burst duty cycle $\geq 98\%$), then set the trigger to free run.
9. If the EUT cannot be configured to transmit continuously (i.e., burst duty cycle $< 98\%$), then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Ensure that the sweep time is less than or equal to the transmission burst duration.
10. Trace average at least 100 traces in power averaging (i.e., RMS) mode.
11. Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function, with the band limits set equal to the OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_{\text{Meas}} + G_T$$

$$\text{ERP} = P_{\text{Meas}} + G_T - 2.15$$

where

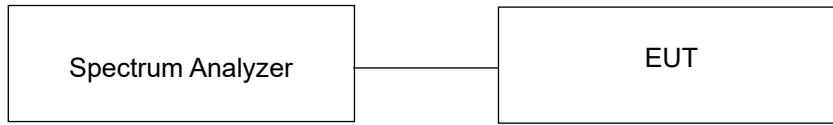
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively
(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

4.1.3 Test Setup

Conducted Power Measurement:



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

4.1.4 Test Results

Conducted Output Power (dBm)

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	pi/2 BPSK	1	0	23.44	23.29	23.31
		1	136	23.07	23.18	23.01
		1	272	22.70	22.74	22.76
		136	0	23.14	23.18	23.12
		136	68	23.11	23.16	23.26
		136	136	23.14	23.11	23.18
		273	0	23.23	23.21	23.17
	QPSK	1	0	20.30	20.35	20.43
		1	136	20.03	20.24	20.12
		1	272	19.78	19.75	19.77
		136	0	20.20	20.29	20.11
		136	68	20.13	20.12	20.22
		136	136	20.28	20.21	20.30
		273	0	20.28	20.30	20.19
	16QAM	1	0	20.34	20.29	20.21
		1	136	20.03	20.11	19.96
		1	272	19.79	19.65	19.71
		136	0	20.15	20.04	20.03
		136	68	20.05	20.18	20.05
		136	136	20.04	20.01	20.20
		273	0	20.11	20.03	20.04
	64QAM	1	0	20.28	20.10	20.21
		1	136	19.87	19.91	19.85
		1	272	19.65	19.50	19.59
		136	0	19.91	19.92	19.99
		136	68	19.90	19.94	20.00
		136	136	20.04	19.92	19.92
		273	0	19.96	19.93	19.95
	256QAM	1	0	17.31	17.39	17.38
		1	136	17.08	17.21	17.14
1		272	16.76	16.81	16.83	
136		0	17.17	17.17	17.20	
136		68	17.23	17.21	17.17	
136		136	17.19	17.13	17.30	
273		0	17.29	17.15	17.18	

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	pi/2 BPSK	1	0	23.47	23.37	23.38
		1	122	23.14	23.19	23.11
		1	244	22.88	22.78	22.87
		122	0	23.22	23.12	23.21
		122	61	23.24	23.19	23.10
		122	122	23.13	23.30	23.23
		245	0	23.21	23.27	23.27
	QPSK	1	0	20.35	20.35	20.31
		1	122	20.18	20.11	20.13
		1	244	19.88	19.84	19.80
		122	0	20.20	20.16	20.16
		122	61	20.26	20.14	20.15
		122	122	20.19	20.21	20.15
		245	0	20.30	20.13	20.21
	16QAM	1	0	20.36	20.11	20.29
		1	122	20.05	20.14	19.94
		1	244	19.60	19.77	19.62
		122	0	20.20	20.06	20.07
		122	61	20.01	20.16	20.17
		122	122	20.15	20.06	20.01
		245	0	20.08	20.02	20.07
	64QAM	1	0	20.10	20.03	20.17
		1	122	19.87	20.02	19.92
		1	244	19.69	19.57	19.62
		122	0	20.07	19.91	19.98
		122	61	20.10	20.01	19.90
		122	122	19.97	19.99	20.01
		245	0	19.99	20.02	19.93
	256QAM	1	0	17.41	17.25	17.43
		1	122	17.03	17.25	17.06
1		244	16.88	16.86	16.76	
122		0	17.21	17.22	17.27	
122		61	17.20	17.10	17.10	
122		122	17.15	17.17	17.22	
245		0	17.25	17.20	17.19	

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	pi/2 BPSK	1	0	23.35	23.24	23.43
		1	108	23.14	23.15	23.07
		1	216	22.89	22.70	22.78
		108	0	23.22	23.19	23.25
		108	54	23.18	23.17	23.21
		108	108	23.27	23.22	23.29
		217	0	23.27	23.17	23.16
	QPSK	1	0	20.36	20.29	20.40
		1	108	20.04	20.27	20.18
		1	216	19.83	19.72	19.72
		108	0	20.14	20.16	20.27
		108	54	20.27	20.18	20.16
		108	108	20.27	20.18	20.20
		217	0	20.26	20.13	20.12
	16QAM	1	0	20.30	20.29	20.28
		1	108	19.93	20.02	20.07
		1	216	19.77	19.74	19.68
		108	0	20.18	20.01	20.15
		108	54	20.11	20.15	20.10
		108	108	20.04	20.18	20.01
		217	0	20.11	20.02	20.13
	64QAM	1	0	20.17	20.05	20.26
		1	108	19.89	19.99	19.89
		1	216	19.51	19.59	19.62
		108	0	19.95	20.10	20.02
		108	54	20.10	20.03	20.00
		108	108	19.90	19.93	20.01
		217	0	20.07	19.94	19.99
	256QAM	1	0	17.35	17.37	17.42
		1	108	17.19	17.21	17.13
1		216	16.89	16.76	16.73	
108		0	17.14	17.25	17.16	
108		54	17.22	17.20	17.10	
108		108	17.12	17.20	17.11	
217		0	17.27	17.21	17.22	

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	pi/2 BPSK	1	0	23.48	23.35	23.43
		1	81	23.20	23.26	23.07
		1	161	22.72	22.72	22.89
		81	0	23.23	23.28	23.23
		81	40	23.23	23.19	23.22
		81	81	23.13	23.22	23.22
		162	0	23.27	23.19	23.10
	QPSK	1	0	20.34	20.40	20.48
		1	81	20.00	20.13	20.05
		1	161	19.73	19.77	19.80
		81	0	20.26	20.28	20.12
		81	40	20.27	20.15	20.29
		81	81	20.16	20.19	20.20
		162	0	20.13	20.21	20.23
	16QAM	1	0	20.27	20.18	20.21
		1	81	19.90	20.03	19.94
		1	161	19.77	19.70	19.60
		81	0	20.07	20.17	20.17
		81	40	20.17	20.10	20.05
		81	81	20.07	20.16	20.18
		162	0	20.09	20.08	20.09
	64QAM	1	0	20.13	20.07	20.21
		1	81	19.82	19.95	19.84
		1	161	19.68	19.67	19.59
		81	0	19.92	20.00	20.02
		81	40	19.92	19.97	19.92
		81	81	20.10	19.98	19.90
		162	0	20.06	20.09	19.91
	256QAM	1	0	17.34	17.40	17.46
		1	81	17.11	17.23	17.01
		1	161	16.81	16.75	16.87
		81	0	17.26	17.28	17.17
		81	40	17.10	17.30	17.10
		81	81	17.30	17.23	17.10
		162	0	17.27	17.30	17.21

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	pi/2 BPSK	1	0	23.45	23.23	23.43
		1	66	23.07	23.29	23.03
		1	132	22.90	22.84	22.87
		66	0	23.23	23.25	23.19
		66	33	23.21	23.29	23.23
		66	66	23.23	23.21	23.27
		133	0	23.17	23.28	23.21
	QPSK	1	0	20.31	20.22	20.32
		1	66	20.09	20.18	20.03
		1	132	19.87	19.71	19.88
		66	0	20.23	20.12	20.30
		66	33	20.11	20.24	20.11
		66	66	20.24	20.15	20.24
		133	0	20.19	20.19	20.16
	16QAM	1	0	20.27	20.20	20.25
		1	66	20.01	20.04	20.10
		1	132	19.62	19.75	19.62
		66	0	20.10	20.17	20.08
		66	33	20.11	20.14	20.04
		66	66	20.08	20.17	20.00
		133	0	20.20	20.02	20.04
	64QAM	1	0	20.29	20.15	20.16
		1	66	19.99	20.04	19.99
		1	132	19.58	19.55	19.63
		66	0	20.07	20.09	19.99
		66	33	20.10	19.98	20.07
		66	66	19.95	20.05	19.96
		133	0	20.01	20.09	20.00
	256QAM	1	0	17.33	17.35	17.48
		1	66	17.14	17.16	17.12
1		132	16.74	16.82	16.70	
66		0	17.17	17.12	17.19	
66		33	17.16	17.11	17.17	
66		66	17.27	17.10	17.11	
133		0	17.11	17.24	17.17	

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	pi/2 BPSK	1	0	23.42	23.23	23.32
		1	53	23.14	23.19	23.00
		1	105	22.88	22.71	22.78
		53	0	23.26	23.26	23.21
		53	26	23.22	23.22	23.19
		53	53	23.17	23.24	23.15
		106	0	23.21	23.26	23.13
	QPSK	1	0	20.42	20.29	20.36
		1	53	20.03	20.20	20.17
		1	105	19.71	19.78	19.90
		53	0	20.11	20.23	20.30
		53	26	20.19	20.29	20.15
		53	53	20.24	20.10	20.12
		106	0	20.14	20.17	20.19
	16QAM	1	0	20.30	20.14	20.33
		1	53	19.90	20.17	19.97
		1	105	19.68	19.67	19.66
		53	0	20.14	20.02	20.09
		53	26	20.10	20.13	20.04
		53	53	20.00	20.07	20.06
		106	0	20.16	20.01	20.11
	64QAM	1	0	20.13	20.02	20.19
		1	53	19.98	20.00	19.83
		1	105	19.58	19.66	19.51
		53	0	20.04	19.94	19.90
		53	26	20.09	20.07	19.90
		53	53	20.01	20.08	19.98
		106	0	20.03	19.99	20.09
	256QAM	1	0	17.45	17.29	17.30
		1	53	17.10	17.15	17.19
		1	105	16.74	16.88	16.71
		53	0	17.15	17.14	17.24
		53	26	17.30	17.18	17.11
		53	53	17.23	17.21	17.23
		106	0	17.23	17.24	17.14

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	pi/2 BPSK	1	0	23.45	23.27	23.45
		1	25	23.11	23.10	23.13
		1	50	22.82	22.76	22.83
		25	0	23.11	23.11	23.20
		25	12	23.21	23.20	23.23
		25	25	23.17	23.11	23.24
		51	0	23.25	23.23	23.25
	QPSK	1	0	20.40	20.24	20.44
		1	25	20.06	20.23	20.02
		1	50	19.73	19.89	19.78
		25	0	20.30	20.24	20.28
		25	12	20.11	20.10	20.14
		25	25	20.27	20.23	20.13
		51	0	20.21	20.11	20.20
	16QAM	1	0	20.39	20.10	20.34
		1	25	20.05	20.04	20.08
		1	50	19.78	19.65	19.63
		25	0	20.00	20.16	20.17
		25	12	20.17	20.18	20.05
		25	25	20.03	20.17	20.06
		51	0	20.08	20.05	20.09
	64QAM	1	0	20.16	20.07	20.25
		1	25	19.86	19.96	19.80
		1	50	19.54	19.51	19.56
		25	0	20.07	20.07	19.94
		25	12	20.03	20.00	20.01
		25	25	19.94	19.94	20.01
		51	0	19.91	20.09	20.06
	256QAM	1	0	17.38	17.30	17.42
		1	25	17.07	17.15	17.19
		1	50	16.83	16.84	16.88
		25	0	17.18	17.15	17.25
		25	12	17.29	17.17	17.21
		25	25	17.26	17.24	17.18
		51	0	17.28	17.25	17.21

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	pi/2 BPSK	1	0	23.48	23.26	23.44
		1	19	23.00	23.12	23.02
		1	37	22.80	22.81	22.81
		19	0	23.20	23.28	23.10
		19	9	23.22	23.13	23.19
		19	20	23.16	23.13	23.14
		38	0	23.30	23.12	23.23
	QPSK	1	0	20.40	20.37	20.38
		1	19	20.06	20.26	20.16
		1	37	19.90	19.74	19.90
		19	0	20.25	20.23	20.25
		19	9	20.17	20.22	20.19
		19	20	20.20	20.22	20.27
		38	0	20.24	20.16	20.30
	16QAM	1	0	20.34	20.11	20.24
		1	19	19.92	20.12	19.92
		1	37	19.75	19.65	19.73
		19	0	20.16	20.09	20.07
		19	9	20.12	20.17	20.18
		19	20	20.02	20.11	20.06
		38	0	20.02	20.08	20.16
	64QAM	1	0	20.23	20.00	20.28
		1	19	19.84	19.91	19.90
		1	37	19.50	19.65	19.56
		19	0	19.99	19.93	20.08
		19	9	20.04	20.02	19.94
		19	20	19.97	19.98	19.92
		38	0	19.94	20.01	19.99
	256QAM	1	0	17.40	17.39	17.36
		1	19	17.03	17.23	17.00
		1	37	16.81	16.70	16.88
		19	0	17.24	17.24	17.17
		19	9	17.30	17.19	17.30
		19	20	17.17	17.13	17.29
		38	0	17.21	17.18	17.29

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	pi/2 BPSK	1	0	23.30	23.34	23.42
		1	12	23.12	23.13	23.04
		1	23	22.74	22.82	22.83
		12	0	23.19	23.15	23.22
		12	6	23.28	23.18	23.13
		12	12	23.22	23.15	23.10
		24	0	23.13	23.27	23.19
	QPSK	1	0	20.31	20.36	20.31
		1	12	20.13	20.18	20.00
		1	23	19.85	19.89	19.78
		12	0	20.29	20.28	20.23
		12	6	20.30	20.17	20.21
		12	12	20.29	20.13	20.22
		24	0	20.30	20.11	20.14
	16QAM	1	0	20.25	20.28	20.22
		1	12	20.07	20.01	19.90
		1	23	19.76	19.70	19.76
		12	0	20.10	20.19	20.16
		12	6	20.08	20.00	20.07
		12	12	20.20	20.02	20.14
		24	0	20.16	20.01	20.06
	64QAM	1	0	20.23	20.20	20.24
		1	12	19.92	20.10	20.00
		1	23	19.69	19.65	19.63
		12	0	20.01	19.99	19.95
		12	6	19.98	19.92	19.90
		12	12	20.09	20.10	19.96
		24	0	20.01	19.93	19.96
	256QAM	1	0	17.43	17.30	17.31
		1	12	17.10	17.23	17.18
		1	23	16.77	16.70	16.81
		12	0	17.18	17.13	17.13
		12	6	17.29	17.10	17.23
		12	12	17.17	17.10	17.18
		24	0	17.13	17.21	17.27

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26865	26915	26965
		Frequency (MHz)		831.5	836.5	841.5
15M	QPSK	1	0	22.91	23.01	23.29
		1	37	22.73	22.92	23.22
		1	74	22.98	22.94	23.20
		36	0	21.83	22.00	22.36
		36	19	21.80	22.00	22.13
		36	39	21.81	21.94	22.23
		75	0	21.80	21.86	22.16
	16QAM	1	0	21.89	21.92	22.39
		1	37	21.90	22.06	22.11
		1	74	21.89	21.94	22.30
		36	0	20.78	21.05	21.37
		36	19	20.91	20.94	21.25
		36	39	20.88	20.96	21.29
		75	0	20.84	20.92	21.04
	64QAM	1	0	20.99	20.92	21.40
		1	37	20.77	20.98	21.15
		1	74	20.86	21.03	21.16
		36	0	19.79	19.90	20.23
		36	19	19.92	19.99	20.15
		36	39	19.70	19.80	20.22
		75	0	19.86	19.82	20.03
	256QAM	1	0	18.98	18.96	19.32
		1	37	18.77	18.92	19.14
		1	74	18.80	19.03	19.14
		36	0	17.85	17.96	18.21
		36	19	17.81	17.93	18.17
		36	39	17.84	17.80	18.10
		75	0	17.99	17.87	18.10

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26840	26915	26990
		Frequency (MHz)		829	836.5	844
10M	QPSK	1	0	22.81	23.08	23.29
		1	24	22.86	23.07	23.11
		1	49	22.92	22.96	23.29
		25	0	21.86	22.05	22.30
		25	12	21.83	21.92	22.12
		25	25	21.72	22.00	22.19
		50	0	21.93	21.87	22.14
	16QAM	1	0	21.95	22.05	22.32
		1	24	21.73	22.09	22.23
		1	49	21.88	21.98	22.17
		25	0	20.83	20.91	21.39
		25	12	20.91	20.88	21.27
		25	25	20.82	20.88	21.16
		50	0	20.80	20.89	21.13
	64QAM	1	0	20.98	21.00	21.35
		1	24	20.85	20.92	21.29
		1	49	20.94	20.96	21.12
		25	0	19.77	19.94	20.22
		25	12	19.83	19.86	20.19
		25	25	19.78	20.00	20.28
		50	0	19.84	19.88	20.11
	256QAM	1	0	18.87	19.04	19.33
		1	24	18.90	18.90	19.16
		1	49	18.97	18.96	19.26
		25	0	17.82	17.91	18.23
		25	12	17.80	17.84	18.25
		25	25	17.82	17.94	18.19
		50	0	17.89	17.91	18.11

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26815	26915	27015
		Frequency (MHz)		826.5	836.5	846.5
5M	QPSK	1	0	22.84	22.98	23.21
		1	12	22.80	22.94	23.23
		1	24	22.86	22.92	23.25
		12	0	21.90	22.00	22.21
		12	6	21.81	21.86	22.28
		12	13	21.84	21.95	22.18
		25	0	21.89	21.84	22.16
	16QAM	1	0	21.83	21.91	22.35
		1	12	21.70	21.96	22.16
		1	24	22.00	21.92	22.28
		12	0	20.83	20.98	21.33
		12	6	20.82	20.91	21.20
		12	13	20.72	20.96	21.18
		25	0	20.94	20.82	21.00
	64QAM	1	0	20.80	20.91	21.28
		1	12	20.79	21.00	21.16
		1	24	20.80	20.97	21.26
		12	0	19.72	20.08	20.35
		12	6	19.84	19.87	20.20
		12	13	19.70	19.89	20.14
		25	0	19.83	19.97	20.11
	256QAM	1	0	18.89	18.94	19.22
		1	12	18.87	18.97	19.27
		1	24	18.88	18.99	19.24
		12	0	17.77	17.98	18.25
		12	6	17.85	17.88	18.21
		12	13	17.78	17.82	18.26
		25	0	17.92	17.93	18.17

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26805	26915	27025
		Frequency (MHz)		825.5	836.5	847.5
3M	QPSK	1	0	22.93	23.07	23.33
		1	7	22.72	22.93	23.12
		1	14	22.88	23.02	23.15
		8	0	21.88	21.99	22.21
		8	3	21.92	21.97	22.18
		8	7	21.80	22.00	22.20
		15	0	21.80	22.00	22.07
	16QAM	1	0	21.98	22.05	22.35
		1	7	21.86	22.10	22.17
		1	14	21.91	21.93	22.21
		8	0	20.75	21.07	21.28
		8	3	20.83	20.86	21.15
		8	7	20.87	20.84	21.30
		15	0	21.00	20.85	21.15
	64QAM	1	0	20.86	20.90	21.25
		1	7	20.74	21.10	21.14
		1	14	20.85	20.93	21.22
		8	0	19.73	20.02	20.29
		8	3	19.88	20.00	20.22
		8	7	19.89	19.97	20.24
		15	0	19.86	19.99	20.03
	256QAM	1	0	19.00	18.90	19.25
		1	7	18.81	18.92	19.15
		1	14	18.88	18.90	19.29
		8	0	17.90	17.92	18.33
		8	3	17.99	17.94	18.17
		8	7	17.82	17.86	18.26
		15	0	17.98	17.94	18.15

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26797	26915	27033
		Frequency (MHz)		824.7	836.5	848.3
1.4M	QPSK	1	0	22.91	22.94	23.30
		1	2	22.88	22.95	23.12
		1	5	22.85	22.93	23.19
		3	0	21.81	22.06	22.25
		3	1	21.80	21.89	22.13
		3	3	21.82	21.85	22.11
		6	0	21.86	22.00	22.20
	16QAM	1	0	21.94	22.10	22.32
		1	2	21.77	22.05	22.15
		1	5	21.98	21.91	22.24
		3	0	20.82	20.91	21.36
		3	1	20.92	20.88	21.29
		3	3	20.70	20.90	21.11
		6	0	20.93	20.96	21.19
	64QAM	1	0	20.92	21.03	21.33
		1	2	20.71	20.95	21.22
		1	5	20.92	20.99	21.19
		3	0	19.80	20.00	20.34
		3	1	19.88	19.91	20.14
		3	3	19.87	19.98	20.26
		6	0	19.80	19.84	20.20
	256QAM	1	0	18.81	19.07	19.34
		1	2	18.72	18.95	19.30
		1	5	18.87	18.91	19.15
		3	0	17.77	18.01	18.33
		3	1	17.80	17.89	18.23
		3	3	17.71	17.93	18.22
		6	0	17.90	17.98	18.00

LTE Band 26 (Part 90)				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		26740
		Frequency (MHz)		819
10M	QPSK	1	0	23.05
		1	24	22.91
		1	49	22.98
		25	0	22.10
		25	12	21.94
		25	25	21.95
		50	0	21.95
	16QAM	1	0	21.94
		1	24	22.01
		1	49	22.08
		25	0	21.05
		25	12	20.86
		25	25	20.89
		50	0	20.86
	64QAM	1	0	21.10
		1	24	21.01
		1	49	21.08
		25	0	20.01
		25	12	19.87
		25	25	19.96
		50	0	19.81
	256QAM	1	0	18.98
		1	24	19.10
		1	49	18.95
		25	0	18.08
		25	12	17.94
		25	25	17.80
		50	0	17.82

LTE Band 26 (Part 90)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26715	26740	26765
		Frequency (MHz)		816.5	819	821.5
5M	QPSK	1	0	23.00	23.04	23.33
		1	12	22.84	23.08	23.25
		1	24	22.98	23.05	23.22
		12	0	21.74	21.96	22.31
		12	6	21.95	21.93	22.30
		12	13	21.72	21.80	22.22
		25	0	21.85	21.82	22.05
	16QAM	1	0	21.84	21.91	22.23
		1	12	21.79	21.91	22.28
		1	24	21.80	21.98	22.27
		12	0	20.75	20.98	21.37
		12	6	20.89	20.84	21.28
		12	13	20.78	20.81	21.16
		25	0	20.86	20.97	21.19
	64QAM	1	0	20.83	20.90	21.25
		1	12	20.70	21.06	21.21
		1	24	20.91	20.94	21.17
		12	0	19.70	20.07	20.20
		12	6	19.93	19.95	20.25
		12	13	19.85	19.86	20.15
		25	0	19.90	19.87	20.14
	256QAM	1	0	18.99	18.96	19.36
		1	12	18.73	19.00	19.17
		1	24	18.86	19.01	19.28
		12	0	17.76	18.08	18.32
		12	6	17.93	17.84	18.22
		12	13	17.86	17.85	18.18
		25	0	17.88	17.87	18.04

LTE Band 26 (Part 90)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26705	26740	26775
		Frequency (MHz)		815.5	819	822.5
3M	QPSK	1	0	22.96	22.93	23.40
		1	7	22.90	22.97	23.21
		1	14	22.92	23.06	23.24
		8	0	21.88	22.03	22.23
		8	3	21.95	21.98	22.19
		8	7	21.87	21.93	22.14
		15	0	21.86	21.96	22.13
	16QAM	1	0	21.92	22.09	22.26
		1	7	21.79	21.90	22.21
		1	14	21.94	21.97	22.18
		8	0	20.82	21.04	21.31
		8	3	20.81	20.81	21.14
		8	7	20.89	20.85	21.17
		15	0	20.95	20.97	21.19
	64QAM	1	0	20.87	20.93	21.31
		1	7	20.73	20.98	21.14
		1	14	21.00	21.04	21.23
		8	0	19.80	19.97	20.29
		8	3	19.96	19.90	20.19
		8	7	19.83	19.89	20.27
		15	0	19.99	19.86	20.04
	256QAM	1	0	18.94	19.06	19.23
		1	7	18.73	18.93	19.17
		1	14	19.00	19.06	19.24
		8	0	17.90	18.05	18.32
		8	3	17.94	17.96	18.27
		8	7	17.76	17.80	18.27
		15	0	17.86	17.91	18.17

LTE Band 26 (Part 90)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26697	26740	26783
		Frequency (MHz)		814.7	819	823.3
1.4M	QPSK	1	0	22.87	23.10	23.39
		1	2	22.88	23.05	23.25
		1	5	22.84	22.91	23.15
		3	0	21.86	21.97	22.36
		3	1	21.83	21.82	22.17
		3	3	21.84	21.80	22.21
		6	0	21.92	21.81	22.11
	16QAM	1	0	21.84	22.05	22.22
		1	2	21.86	21.90	22.14
		1	5	21.91	21.90	22.20
		3	0	20.75	20.92	21.33
		3	1	20.97	20.87	21.27
		3	3	20.90	21.00	21.17
		6	0	20.82	20.94	21.13
	64QAM	1	0	20.98	21.05	21.28
		1	2	20.75	21.04	21.26
		1	5	20.87	21.06	21.27
		3	0	19.77	19.91	20.32
		3	1	20.00	19.83	20.25
		3	3	19.77	19.82	20.28
		6	0	19.94	19.92	20.01
	256QAM	1	0	18.81	19.04	19.20
		1	2	18.74	18.96	19.27
		1	5	18.87	19.04	19.10
		3	0	17.78	18.10	18.27
		3	1	17.94	17.87	18.22
		3	3	17.75	17.82	18.15
		6	0	17.88	17.82	18.12

EIRP Power (dBm)

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	pi/2 BPSK	1	0	25.64	25.49	25.51
		1	136	25.27	25.38	25.21
		1	272	24.90	24.94	24.96
		136	0	25.34	25.38	25.32
		136	68	25.31	25.36	25.46
		136	136	25.34	25.31	25.38
		273	0	25.43	25.41	25.37
	QPSK	1	0	22.50	22.55	22.63
		1	136	22.23	22.44	22.32
		1	272	21.98	21.95	21.97
		136	0	22.40	22.49	22.31
		136	68	22.33	22.32	22.42
		136	136	22.48	22.41	22.50
		273	0	22.48	22.50	22.39
	16QAM	1	0	22.54	22.49	22.41
		1	136	22.23	22.31	22.16
		1	272	21.99	21.85	21.91
		136	0	22.35	22.24	22.23
		136	68	22.25	22.38	22.25
		136	136	22.24	22.21	22.40
		273	0	22.31	22.23	22.24
	64QAM	1	0	22.48	22.30	22.41
		1	136	22.07	22.11	22.05
		1	272	21.85	21.70	21.79
		136	0	22.11	22.12	22.19
		136	68	22.10	22.14	22.20
		136	136	22.24	22.12	22.12
		273	0	22.16	22.13	22.15
	256QAM	1	0	19.51	19.59	19.58
		1	136	19.28	19.41	19.34
1		272	18.96	19.01	19.03	
136		0	19.37	19.37	19.40	
136		68	19.43	19.41	19.37	
136		136	19.39	19.33	19.50	
273		0	19.49	19.35	19.38	

*EIRP = Conducted + antenna gain

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	pi/2 BPSK	1	0	25.67	25.57	25.58
		1	122	25.34	25.39	25.31
		1	244	25.08	24.98	25.07
		122	0	25.42	25.32	25.41
		122	61	25.44	25.39	25.30
		122	122	25.33	25.50	25.43
		245	0	25.41	25.47	25.47
	QPSK	1	0	22.55	22.55	22.51
		1	122	22.38	22.31	22.33
		1	244	22.08	22.04	22.00
		122	0	22.40	22.36	22.36
		122	61	22.46	22.34	22.35
		122	122	22.39	22.41	22.35
		245	0	22.50	22.33	22.41
	16QAM	1	0	22.56	22.31	22.49
		1	122	22.25	22.34	22.14
		1	244	21.80	21.97	21.82
		122	0	22.40	22.26	22.27
		122	61	22.21	22.36	22.37
		122	122	22.35	22.26	22.21
		245	0	22.28	22.22	22.27
	64QAM	1	0	22.30	22.23	22.37
		1	122	22.07	22.22	22.12
		1	244	21.89	21.77	21.82
		122	0	22.27	22.11	22.18
		122	61	22.30	22.21	22.10
		122	122	22.17	22.19	22.21
		245	0	22.19	22.22	22.13
	256QAM	1	0	19.61	19.45	19.63
		1	122	19.23	19.45	19.26
1		244	19.08	19.06	18.96	
122		0	19.41	19.42	19.47	
122		61	19.40	19.30	19.30	
122		122	19.35	19.37	19.42	
245		0	19.45	19.40	19.39	

*EIRP = Conducted + antenna gain

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	pi/2 BPSK	1	0	25.55	25.44	25.63
		1	108	25.34	25.35	25.27
		1	216	25.09	24.90	24.98
		108	0	25.42	25.39	25.45
		108	54	25.38	25.37	25.41
		108	108	25.47	25.42	25.49
		217	0	25.47	25.37	25.36
	QPSK	1	0	22.56	22.49	22.60
		1	108	22.24	22.47	22.38
		1	216	22.03	21.92	21.92
		108	0	22.34	22.36	22.47
		108	54	22.47	22.38	22.36
		108	108	22.47	22.38	22.40
		217	0	22.46	22.33	22.32
	16QAM	1	0	22.50	22.49	22.48
		1	108	22.13	22.22	22.27
		1	216	21.97	21.94	21.88
		108	0	22.38	22.21	22.35
		108	54	22.31	22.35	22.30
		108	108	22.24	22.38	22.21
		217	0	22.31	22.22	22.33
	64QAM	1	0	22.37	22.25	22.46
		1	108	22.09	22.19	22.09
		1	216	21.71	21.79	21.82
		108	0	22.15	22.30	22.22
		108	54	22.30	22.23	22.20
		108	108	22.10	22.13	22.21
		217	0	22.27	22.14	22.19
	256QAM	1	0	19.55	19.57	19.62
		1	108	19.39	19.41	19.33
1		216	19.09	18.96	18.93	
108		0	19.34	19.45	19.36	
108		54	19.42	19.40	19.30	
108		108	19.32	19.40	19.31	
217		0	19.47	19.41	19.42	

*EIRP = Conducted + antenna gain

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	pi/2 BPSK	1	0	25.68	25.55	25.63
		1	81	25.40	25.46	25.27
		1	161	24.92	24.92	25.09
		81	0	25.43	25.48	25.43
		81	40	25.43	25.39	25.42
		81	81	25.33	25.42	25.42
		162	0	25.47	25.39	25.30
	QPSK	1	0	22.54	22.60	22.68
		1	81	22.20	22.33	22.25
		1	161	21.93	21.97	22.00
		81	0	22.46	22.48	22.32
		81	40	22.47	22.35	22.49
		81	81	22.36	22.39	22.40
		162	0	22.33	22.41	22.43
	16QAM	1	0	22.47	22.38	22.41
		1	81	22.10	22.23	22.14
		1	161	21.97	21.90	21.80
		81	0	22.27	22.37	22.37
		81	40	22.37	22.30	22.25
		81	81	22.27	22.36	22.38
		162	0	22.29	22.28	22.29
	64QAM	1	0	22.33	22.27	22.41
		1	81	22.02	22.15	22.04
		1	161	21.88	21.87	21.79
		81	0	22.12	22.20	22.22
		81	40	22.12	22.17	22.12
		81	81	22.30	22.18	22.10
		162	0	22.26	22.29	22.11
	256QAM	1	0	19.54	19.60	19.66
		1	81	19.31	19.43	19.21
1		161	19.01	18.95	19.07	
81		0	19.46	19.48	19.37	
81		40	19.30	19.50	19.30	
81		81	19.50	19.43	19.30	
162		0	19.47	19.50	19.41	

*EIRP = Conducted + antenna gain

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	pi/2 BPSK	1	0	25.90	25.86	25.95
		1	66	25.73	25.79	25.71
		1	132	25.30	25.22	25.39
		66	0	25.80	26.00	25.94
		66	33	25.81	25.93	25.97
		66	66	25.65	25.79	25.68
		133	0	25.70	25.84	25.74
	QPSK	1	0	22.85	22.99	22.85
		1	66	22.83	22.78	22.78
		1	132	22.38	22.27	22.31
		66	0	22.99	22.89	22.87
		66	33	22.83	22.89	22.81
		66	66	22.74	22.67	22.75
		133	0	22.74	22.72	22.77
	16QAM	1	0	22.80	22.85	22.93
		1	66	22.78	22.81	22.70
		1	132	22.34	22.36	22.40
		66	0	22.99	22.95	22.91
		66	33	22.86	22.83	22.96
		66	66	22.63	22.74	22.74
		133	0	22.82	22.79	22.86
	64QAM	1	0	22.47	22.43	22.45
		1	66	22.32	22.22	22.35
		1	132	21.88	21.78	21.78
		66	0	22.49	22.32	22.47
		66	33	22.47	22.48	22.38
		66	66	22.18	22.18	22.11
		133	0	22.25	22.21	22.36
	256QAM	1	0	19.50	19.35	19.32
		1	66	19.24	19.20	19.20
1		132	18.78	18.71	18.81	
66		0	19.47	19.45	19.42	
66		33	19.37	19.31	19.46	
66		66	19.19	19.15	19.22	
133		0	19.33	19.35	19.27	

*EIRP = Conducted + antenna gain

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	pi/2 BPSK	1	0	25.62	25.43	25.52
		1	53	25.34	25.39	25.20
		1	105	25.08	24.91	24.98
		53	0	25.46	25.46	25.41
		53	26	25.42	25.42	25.39
		53	53	25.37	25.44	25.35
		106	0	25.41	25.46	25.33
	QPSK	1	0	22.62	22.49	22.56
		1	53	22.23	22.40	22.37
		1	105	21.91	21.98	22.10
		53	0	22.31	22.43	22.50
		53	26	22.39	22.49	22.35
		53	53	22.44	22.30	22.32
		106	0	22.34	22.37	22.39
	16QAM	1	0	22.50	22.34	22.53
		1	53	22.10	22.37	22.17
		1	105	21.88	21.87	21.86
		53	0	22.34	22.22	22.29
		53	26	22.30	22.33	22.24
		53	53	22.20	22.27	22.26
		106	0	22.36	22.21	22.31
	64QAM	1	0	22.33	22.22	22.39
		1	53	22.18	22.20	22.03
		1	105	21.78	21.86	21.71
		53	0	22.24	22.14	22.10
		53	26	22.29	22.27	22.10
		53	53	22.21	22.28	22.18
		106	0	22.23	22.19	22.29
	256QAM	1	0	19.65	19.49	19.50
		1	53	19.30	19.35	19.39
		1	105	18.94	19.08	18.91
		53	0	19.35	19.34	19.44
		53	26	19.50	19.38	19.31
		53	53	19.43	19.41	19.43
		106	0	19.43	19.44	19.34

*EIRP = Conducted + antenna gain

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	pi/2 BPSK	1	0	25.65	25.47	25.65
		1	25	25.31	25.30	25.33
		1	50	25.02	24.96	25.03
		25	0	25.31	25.31	25.40
		25	12	25.41	25.40	25.43
		25	25	25.37	25.31	25.44
		51	0	25.45	25.43	25.45
	QPSK	1	0	22.60	22.44	22.64
		1	25	22.26	22.43	22.22
		1	50	21.93	22.09	21.98
		25	0	22.50	22.44	22.48
		25	12	22.31	22.30	22.34
		25	25	22.47	22.43	22.33
		51	0	22.41	22.31	22.40
	16QAM	1	0	22.59	22.30	22.54
		1	25	22.25	22.24	22.28
		1	50	21.98	21.85	21.83
		25	0	22.20	22.36	22.37
		25	12	22.37	22.38	22.25
		25	25	22.23	22.37	22.26
		51	0	22.28	22.25	22.29
	64QAM	1	0	22.36	22.27	22.45
		1	25	22.06	22.16	22.00
		1	50	21.74	21.71	21.76
		25	0	22.27	22.27	22.14
		25	12	22.23	22.20	22.21
		25	25	22.14	22.14	22.21
		51	0	22.11	22.29	22.26
	256QAM	1	0	19.58	19.50	19.62
		1	25	19.27	19.35	19.39
1		50	19.03	19.04	19.08	
25		0	19.38	19.35	19.45	
25		12	19.49	19.37	19.41	
25		25	19.46	19.44	19.38	
51		0	19.48	19.45	19.41	

*EIRP = Conducted + antenna gain

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500700	518598	536496
		Frequency (MHz)		2503.5	2592.99	2682.48
15M	pi/2 BPSK	1	0	25.68	25.46	25.64
		1	19	25.20	25.32	25.22
		1	37	25.00	25.01	25.01
		19	0	25.40	25.48	25.30
		19	9	25.42	25.33	25.39
		19	20	25.36	25.33	25.34
		38	0	25.50	25.32	25.43
	QPSK	1	0	22.60	22.57	22.58
		1	19	22.26	22.46	22.36
		1	37	22.10	21.94	22.10
		19	0	22.45	22.43	22.45
		19	9	22.37	22.42	22.39
		19	20	22.40	22.42	22.47
		38	0	22.44	22.36	22.50
	16QAM	1	0	22.54	22.31	22.44
		1	19	22.12	22.32	22.12
		1	37	21.95	21.85	21.93
		19	0	22.36	22.29	22.27
		19	9	22.32	22.37	22.38
		19	20	22.22	22.31	22.26
		38	0	22.22	22.28	22.36
	64QAM	1	0	22.43	22.20	22.48
		1	19	22.04	22.11	22.10
		1	37	21.70	21.85	21.76
		19	0	22.19	22.13	22.28
		19	9	22.24	22.22	22.14
		19	20	22.17	22.18	22.12
		38	0	22.14	22.21	22.19
	256QAM	1	0	19.60	19.59	19.56
		1	19	19.23	19.43	19.20
		1	37	19.01	18.90	19.08
		19	0	19.44	19.44	19.37
		19	9	19.50	19.39	19.50
		19	20	19.37	19.33	19.49
		38	0	19.41	19.38	19.49

*EIRP = Conducted + antenna gain

FCC NR Band 41 (SCS 30kHz)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500202	518598	537000
		Frequency (MHz)		2501.01	2592.99	2685
10M	pi/2 BPSK	1	0	25.50	25.54	25.62
		1	12	25.32	25.33	25.24
		1	23	24.94	25.02	25.03
		12	0	25.39	25.35	25.42
		12	6	25.48	25.38	25.33
		12	12	25.42	25.35	25.30
		24	0	25.33	25.47	25.39
	QPSK	1	0	22.51	22.56	22.51
		1	12	22.33	22.38	22.20
		1	23	22.05	22.09	21.98
		12	0	22.49	22.48	22.43
		12	6	22.50	22.37	22.41
		12	12	22.49	22.33	22.42
		24	0	22.50	22.31	22.34
	16QAM	1	0	22.45	22.48	22.42
		1	12	22.27	22.21	22.10
		1	23	21.96	21.90	21.96
		12	0	22.30	22.39	22.36
		12	6	22.28	22.20	22.27
		12	12	22.40	22.22	22.34
		24	0	22.36	22.21	22.26
	64QAM	1	0	22.43	22.40	22.44
		1	12	22.12	22.30	22.20
		1	23	21.89	21.85	21.83
		12	0	22.21	22.19	22.15
		12	6	22.18	22.12	22.10
		12	12	22.29	22.30	22.16
		24	0	22.21	22.13	22.16
	256QAM	1	0	19.63	19.50	19.51
		1	12	19.30	19.43	19.38
		1	23	18.97	18.90	19.01
		12	0	19.38	19.33	19.33
		12	6	19.49	19.30	19.43
		12	12	19.37	19.30	19.38
		24	0	19.33	19.41	19.47

*EIRP = Conducted + antenna gain

ERP Power (dBm)

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26865	26915	26965
		Frequency (MHz)		831.5	836.5	841.5
15M	QPSK	1	0	21.77	21.87	22.15
		1	37	21.59	21.78	22.08
		1	74	21.84	21.80	22.06
		36	0	20.69	20.86	21.22
		36	19	20.66	20.86	20.99
		36	39	20.67	20.80	21.09
		75	0	20.66	20.72	21.02
	16QAM	1	0	20.75	20.78	21.25
		1	37	20.76	20.92	20.97
		1	74	20.75	20.80	21.16
		36	0	19.64	19.91	20.23
		36	19	19.77	19.80	20.11
		36	39	19.74	19.82	20.15
		75	0	19.70	19.78	19.90
	64QAM	1	0	19.85	19.78	20.26
		1	37	19.63	19.84	20.01
		1	74	19.72	19.89	20.02
		36	0	18.65	18.76	19.09
		36	19	18.78	18.85	19.01
		36	39	18.56	18.66	19.08
		75	0	18.72	18.68	18.89
	256QAM	1	0	17.84	17.82	18.18
		1	37	17.63	17.78	18.00
		1	74	17.66	17.89	18.00
		36	0	16.71	16.82	17.07
		36	19	16.67	16.79	17.03
		36	39	16.70	16.66	16.96
		75	0	16.85	16.73	16.96

*ERP = Conducted + antenna gain - 2.15

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26840	26915	26990
		Frequency (MHz)		829	836.5	844
10M	QPSK	1	0	21.67	21.94	22.15
		1	24	21.72	21.93	21.97
		1	49	21.78	21.82	22.15
		25	0	20.72	20.91	21.16
		25	12	20.69	20.78	20.98
		25	25	20.58	20.86	21.05
		50	0	20.79	20.73	21.00
	16QAM	1	0	20.81	20.91	21.18
		1	24	20.59	20.95	21.09
		1	49	20.74	20.84	21.03
		25	0	19.69	19.77	20.25
		25	12	19.77	19.74	20.13
		25	25	19.68	19.74	20.02
		50	0	19.66	19.75	19.99
	64QAM	1	0	19.84	19.86	20.21
		1	24	19.71	19.78	20.15
		1	49	19.80	19.82	19.98
		25	0	18.63	18.80	19.08
		25	12	18.69	18.72	19.05
		25	25	18.64	18.86	19.14
		50	0	18.70	18.74	18.97
	256QAM	1	0	17.73	17.90	18.19
		1	24	17.76	17.76	18.02
		1	49	17.83	17.82	18.12
		25	0	16.68	16.77	17.09
		25	12	16.66	16.70	17.11
		25	25	16.68	16.80	17.05
		50	0	16.75	16.77	16.97

*ERP = Conducted + antenna gain - 2.15

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26815	26915	27015
		Frequency (MHz)		826.5	836.5	846.5
5M	QPSK	1	0	21.70	21.84	22.07
		1	12	21.66	21.80	22.09
		1	24	21.72	21.78	22.11
		12	0	20.76	20.86	21.07
		12	6	20.67	20.72	21.14
		12	13	20.70	20.81	21.04
		25	0	20.75	20.70	21.02
	16QAM	1	0	20.69	20.77	21.21
		1	12	20.56	20.82	21.02
		1	24	20.86	20.78	21.14
		12	0	19.69	19.84	20.19
		12	6	19.68	19.77	20.06
		12	13	19.58	19.82	20.04
		25	0	19.80	19.68	19.86
	64QAM	1	0	19.66	19.77	20.14
		1	12	19.65	19.86	20.02
		1	24	19.66	19.83	20.12
		12	0	18.58	18.94	19.21
		12	6	18.70	18.73	19.06
		12	13	18.56	18.75	19.00
		25	0	18.69	18.83	18.97
	256QAM	1	0	17.75	17.80	18.08
		1	12	17.73	17.83	18.13
		1	24	17.74	17.85	18.10
		12	0	16.63	16.84	17.11
		12	6	16.71	16.74	17.07
		12	13	16.64	16.68	17.12
		25	0	16.78	16.79	17.03

*ERP = Conducted + antenna gain - 2.15

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26805	26915	27025
		Frequency (MHz)		825.5	836.5	847.5
3M	QPSK	1	0	21.79	21.93	22.19
		1	7	21.58	21.79	21.98
		1	14	21.74	21.88	22.01
		8	0	20.74	20.85	21.07
		8	3	20.78	20.83	21.04
		8	7	20.66	20.86	21.06
		15	0	20.66	20.86	20.93
	16QAM	1	0	20.84	20.91	21.21
		1	7	20.72	20.96	21.03
		1	14	20.77	20.79	21.07
		8	0	19.61	19.93	20.14
		8	3	19.69	19.72	20.01
		8	7	19.73	19.70	20.16
		15	0	19.86	19.71	20.01
	64QAM	1	0	19.72	19.76	20.11
		1	7	19.60	19.96	20.00
		1	14	19.71	19.79	20.08
		8	0	18.59	18.88	19.15
		8	3	18.74	18.86	19.08
		8	7	18.75	18.83	19.10
		15	0	18.72	18.85	18.89
	256QAM	1	0	17.86	17.76	18.11
		1	7	17.67	17.78	18.01
		1	14	17.74	17.76	18.15
		8	0	16.76	16.78	17.19
		8	3	16.85	16.80	17.03
		8	7	16.68	16.72	17.12
		15	0	16.84	16.80	17.01

*ERP = Conducted + antenna gain - 2.15

LTE Band 26 (Part 22)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26797	26915	27033
		Frequency (MHz)		824.7	836.5	848.3
1.4M	QPSK	1	0	21.77	21.80	22.16
		1	2	21.74	21.81	21.98
		1	5	21.71	21.79	22.05
		3	0	20.67	20.92	21.11
		3	1	20.66	20.75	20.99
		3	3	20.68	20.71	20.97
		6	0	20.72	20.86	21.06
	16QAM	1	0	20.80	20.96	21.18
		1	2	20.63	20.91	21.01
		1	5	20.84	20.77	21.10
		3	0	19.68	19.77	20.22
		3	1	19.78	19.74	20.15
		3	3	19.56	19.76	19.97
		6	0	19.79	19.82	20.05
	64QAM	1	0	19.78	19.89	20.19
		1	2	19.57	19.81	20.08
		1	5	19.78	19.85	20.05
		3	0	18.66	18.86	19.20
		3	1	18.74	18.77	19.00
		3	3	18.73	18.84	19.12
		6	0	18.66	18.70	19.06
	256QAM	1	0	17.67	17.93	18.20
		1	2	17.58	17.81	18.16
		1	5	17.73	17.77	18.01
		3	0	16.63	16.87	17.19
		3	1	16.66	16.75	17.09
		3	3	16.57	16.79	17.08
		6	0	16.76	16.84	16.86

*ERP = Conducted + antenna gain - 2.15

LTE Band 26 (Part 90)				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		26740
		Frequency (MHz)		819
10M	QPSK	1	0	21.91
		1	24	21.77
		1	49	21.84
		25	0	20.96
		25	12	20.80
		25	25	20.81
		50	0	20.81
	16QAM	1	0	20.80
		1	24	20.87
		1	49	20.94
		25	0	19.91
		25	12	19.72
		25	25	19.75
		50	0	19.72
	64QAM	1	0	19.96
		1	24	19.87
		1	49	19.94
		25	0	18.87
		25	12	18.73
		25	25	18.82
		50	0	18.67
	256QAM	1	0	17.84
		1	24	17.96
		1	49	17.81
25		0	16.94	
25		12	16.80	
25		25	16.66	
50		0	16.68	

*ERP = Conducted + antenna gain - 2.15

LTE Band 26 (Part 90)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26715	26740	26765
		Frequency (MHz)		816.5	819	821.5
5M	QPSK	1	0	21.86	21.90	22.19
		1	12	21.70	21.94	22.11
		1	24	21.84	21.91	22.08
		12	0	20.60	20.82	21.17
		12	6	20.81	20.79	21.16
		12	13	20.58	20.66	21.08
		25	0	20.71	20.68	20.91
	16QAM	1	0	20.70	20.77	21.09
		1	12	20.65	20.77	21.14
		1	24	20.66	20.84	21.13
		12	0	19.61	19.84	20.23
		12	6	19.75	19.70	20.14
		12	13	19.64	19.67	20.02
		25	0	19.72	19.83	20.05
	64QAM	1	0	19.69	19.76	20.11
		1	12	19.56	19.92	20.07
		1	24	19.77	19.80	20.03
		12	0	18.56	18.93	19.06
		12	6	18.79	18.81	19.11
		12	13	18.71	18.72	19.01
		25	0	18.76	18.73	19.00
	256QAM	1	0	17.85	17.82	18.22
		1	12	17.59	17.86	18.03
		1	24	17.72	17.87	18.14
		12	0	16.62	16.94	17.18
		12	6	16.79	16.70	17.08
		12	13	16.72	16.71	17.04
		25	0	16.74	16.73	16.90

*ERP = Conducted + antenna gain - 2.15

LTE Band 26 (Part 90)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26705	26740	26775
		Frequency (MHz)		815.5	819	822.5
3M	QPSK	1	0	21.82	21.79	22.26
		1	7	21.76	21.83	22.07
		1	14	21.78	21.92	22.10
		8	0	20.74	20.89	21.09
		8	3	20.81	20.84	21.05
		8	7	20.73	20.79	21.00
		15	0	20.72	20.82	20.99
	16QAM	1	0	20.78	20.95	21.12
		1	7	20.65	20.76	21.07
		1	14	20.80	20.83	21.04
		8	0	19.68	19.90	20.17
		8	3	19.67	19.67	20.00
		8	7	19.75	19.71	20.03
		15	0	19.81	19.83	20.05
	64QAM	1	0	19.73	19.79	20.17
		1	7	19.59	19.84	20.00
		1	14	19.86	19.90	20.09
		8	0	18.66	18.83	19.15
		8	3	18.82	18.76	19.05
		8	7	18.69	18.75	19.13
		15	0	18.85	18.72	18.90
	256QAM	1	0	17.80	17.92	18.09
		1	7	17.59	17.79	18.03
		1	14	17.86	17.92	18.10
		8	0	16.76	16.91	17.18
		8	3	16.80	16.82	17.13
		8	7	16.62	16.66	17.13
		15	0	16.72	16.77	17.03

*ERP = Conducted + antenna gain - 2.15

LTE Band 26 (Part 90)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		26697	26740	26783
		Frequency (MHz)		814.7	819	823.3
1.4M	QPSK	1	0	21.73	21.96	22.25
		1	2	21.74	21.91	22.11
		1	5	21.70	21.77	22.01
		3	0	20.72	20.83	21.22
		3	1	20.69	20.68	21.03
		3	3	20.70	20.66	21.07
		6	0	20.78	20.67	20.97
	16QAM	1	0	20.70	20.91	21.08
		1	2	20.72	20.76	21.00
		1	5	20.77	20.76	21.06
		3	0	19.61	19.78	20.19
		3	1	19.83	19.73	20.13
		3	3	19.76	19.86	20.03
		6	0	19.68	19.80	19.99
	64QAM	1	0	19.84	19.91	20.14
		1	2	19.61	19.90	20.12
		1	5	19.73	19.92	20.13
		3	0	18.63	18.77	19.18
		3	1	18.86	18.69	19.11
		3	3	18.63	18.68	19.14
		6	0	18.80	18.78	18.87
	256QAM	1	0	17.67	17.90	18.06
		1	2	17.60	17.82	18.13
		1	5	17.73	17.90	17.96
		3	0	16.64	16.96	17.13
		3	1	16.80	16.73	17.08
		3	3	16.61	16.68	17.01
		6	0	16.74	16.68	16.98

*ERP = Conducted + antenna gain - 2.15

4.2 Radiated Emission Measurement

4.2.1 Limits of Radiated Emission Measurement

For n41:

In the FCC 27.53(m)(4), On any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $55 + 10 \log(P)$ dB. The emission limit equal to -25dBm .

For LTE Band 26 (Part 22):

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

For LTE Band 26 (Part 90):

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

4.2.2 Test Procedure

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m (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 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$. Correction Factor (includes EIRP and ERP unit conversion factor) = $\text{Antenna gain of substitution horn} - \text{Tx cable loss}$. Measurement method refers to ANSI C63.26 section 5.5.3.2.
- c. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $\text{E.R.P power} = \text{E.I.R.P power} - 2.15\text{dBi}$.

Note:

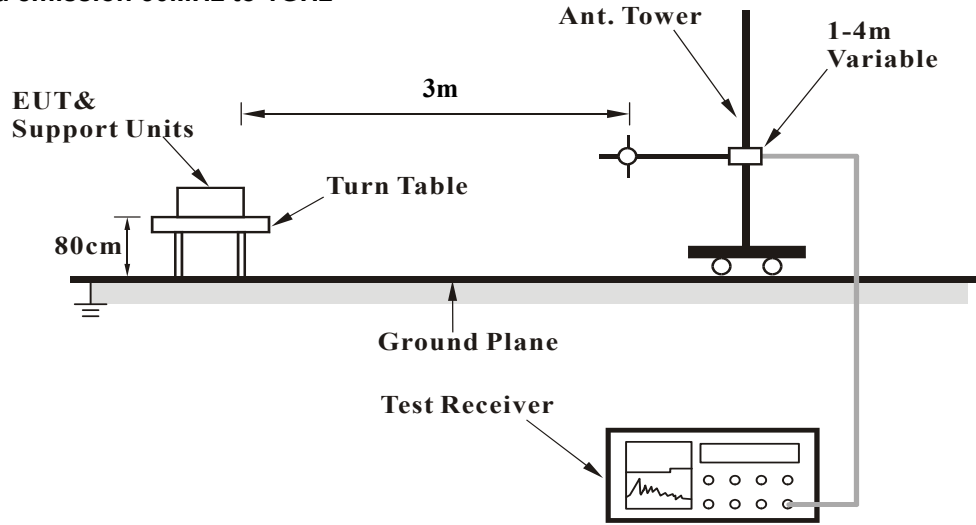
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.
2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz: The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report

4.2.3 Deviation from Test Standard

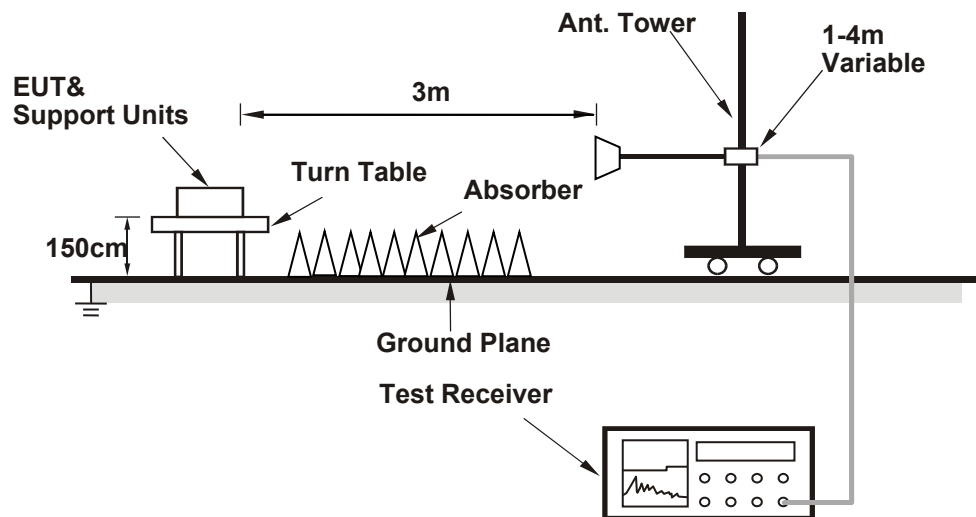
No deviation.

4.2.4 Test Setup

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



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

4.2.5 Test Results

Below 1GHz

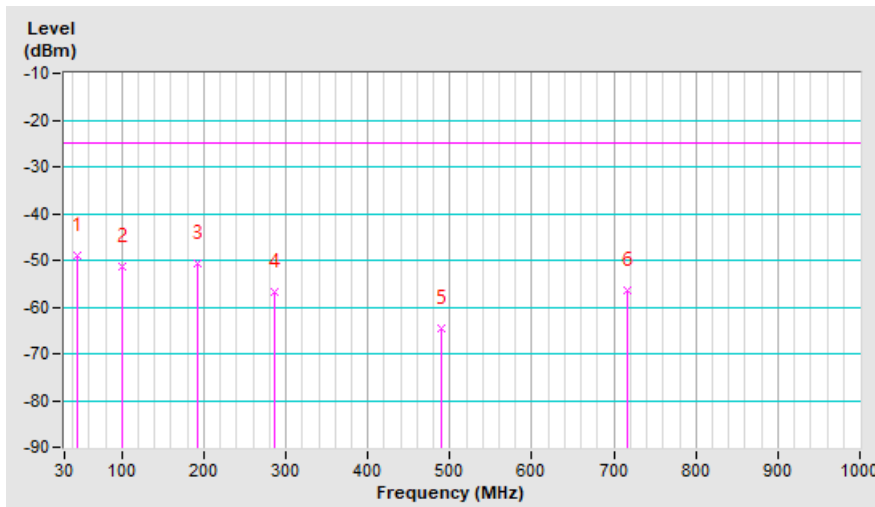
n41, Channel Bandwidth: 100MHz

Mode	TX channel 518598 (2592.99MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	45.69	-49.70	-38.60	-10.40	-49.00	-25.00	-24.00
2	99.56	-42.80	-49.90	-1.40	-51.30	-25.00	-26.30
3	192.36	-42.40	-48.20	-2.60	-50.80	-25.00	-25.80
4	285.64	-52.90	-55.00	-1.70	-56.70	-25.00	-31.70
5	488.63	-64.30	-68.30	3.70	-64.60	-25.00	-39.60
6	715.86	-59.70	-60.00	3.50	-56.50	-25.00	-31.50

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

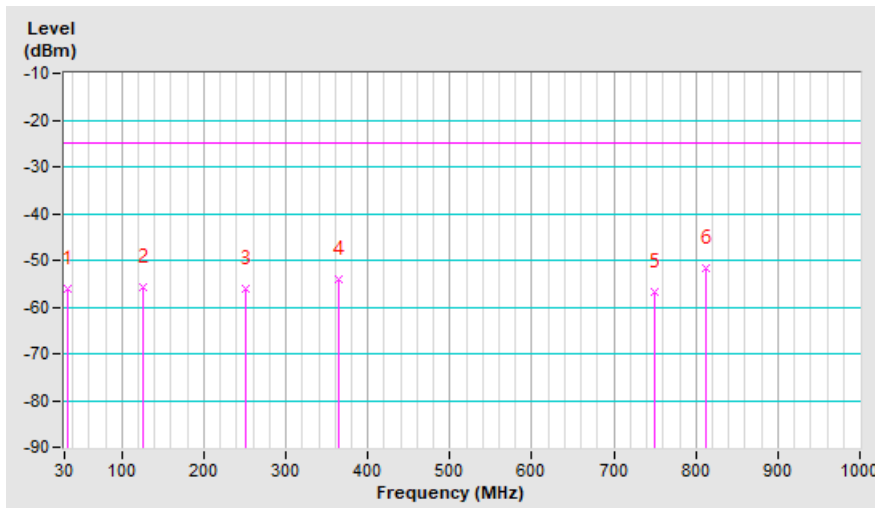


Mode	TX channel 518598 (2592.99MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	33.49	-45.50	-38.70	-17.40	-56.10	-25.00	-31.10
2	125.12	-49.70	-52.60	-3.20	-55.80	-25.00	-30.80
3	251.10	-56.20	-54.80	-1.40	-56.20	-25.00	-31.20
4	365.21	-53.90	-58.00	3.80	-54.20	-25.00	-29.20
5	749.50	-63.80	-60.60	3.70	-56.90	-25.00	-31.90
6	812.32	-58.50	-55.50	3.90	-51.60	-25.00	-26.60

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).



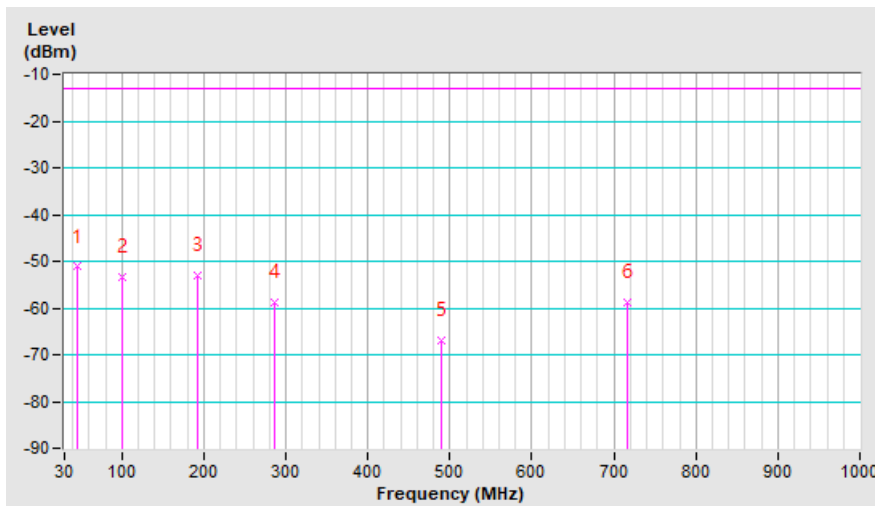
LTE Band 26, Channel Bandwidth: 15MHz

Mode	TX channel 26865 (831.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)
1	45.69	-49.80	-40.80	-10.40	-51.20	-13.00	-38.20
2	99.56	-42.90	-52.10	-1.40	-53.50	-13.00	-40.50
3	192.36	-42.50	-50.40	-2.60	-53.00	-13.00	-40.00
4	285.64	-53.00	-57.20	-1.70	-58.90	-13.00	-45.90
5	488.63	-64.30	-70.50	3.70	-66.80	-13.00	-53.80
6	715.86	-59.80	-62.20	3.50	-58.70	-13.00	-45.70

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

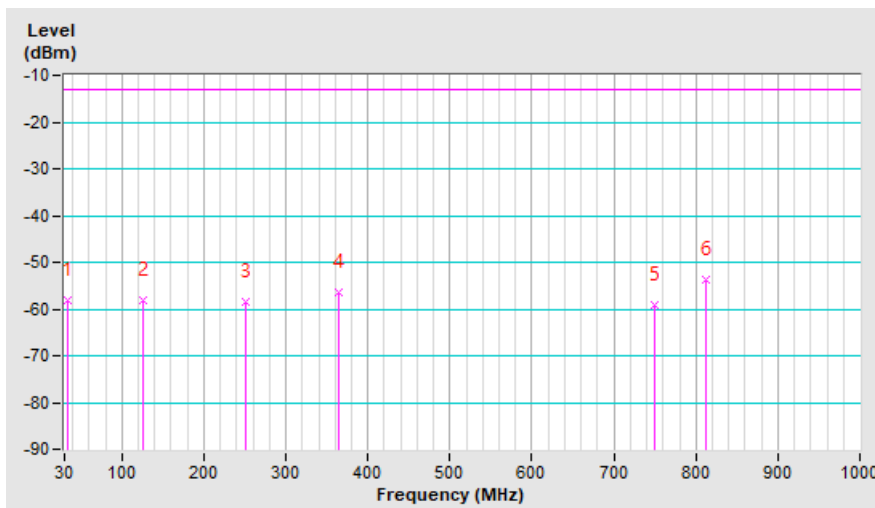


Mode	TX channel 26865 (831.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)
1	33.49	-45.50	-40.90	-17.40	-58.30	-13.00	-45.30
2	125.12	-49.80	-54.80	-3.20	-58.00	-13.00	-45.00
3	251.10	-56.20	-57.00	-1.40	-58.40	-13.00	-45.40
4	365.21	-53.90	-60.20	3.80	-56.40	-13.00	-43.40
5	749.50	-63.80	-62.70	3.70	-59.00	-13.00	-46.00
6	812.32	-58.50	-57.70	3.90	-53.80	-13.00	-40.80

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.



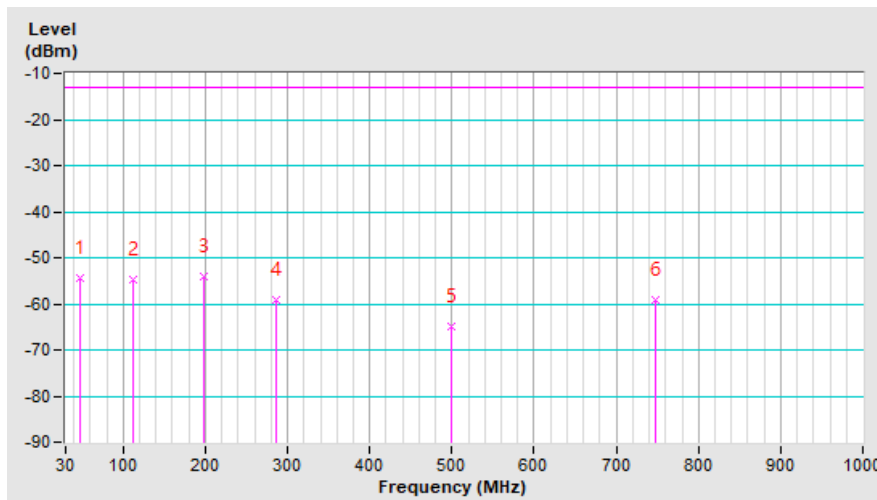
LTE Band 26, Channel Bandwidth: 10MHz

Mode	TX channel 26740 (819.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)
1	47.69	-52.50	-45.50	-9.00	-54.50	-13.00	-41.50
2	112.56	-45.10	-52.30	-2.60	-54.90	-13.00	-41.90
3	198.84	-43.30	-51.50	-2.40	-53.90	-13.00	-40.90
4	286.06	-53.00	-57.30	-1.70	-59.00	-13.00	-46.00
5	498.96	-62.50	-68.60	3.80	-64.80	-13.00	-51.80
6	747.09	-61.10	-63.00	3.70	-59.30	-13.00	-46.30

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

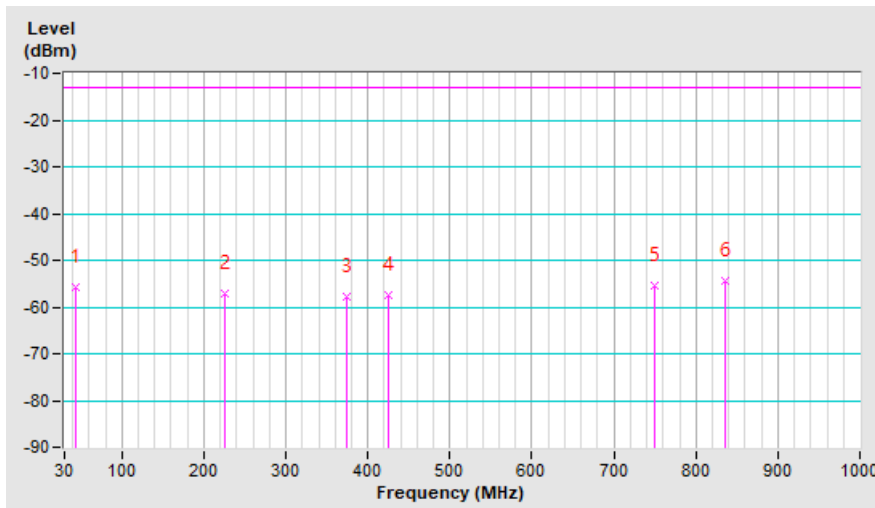


Mode	TX channel 26740 (819.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)
1	43.05	-45.00	-44.20	-11.60	-55.80	-13.00	-42.80
2	225.51	-50.80	-55.20	-1.80	-57.00	-13.00	-44.00
3	374.51	-55.20	-61.50	3.70	-57.80	-13.00	-44.80
4	425.21	-54.90	-60.90	3.50	-57.40	-13.00	-44.40
5	749.29	-60.00	-59.00	3.70	-55.30	-13.00	-42.30
6	836.53	-59.50	-58.20	3.80	-54.40	-13.00	-41.40

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.



Above 1GHz
n41, Channel Bandwidth: 100MHz

Mode	TX channel 518598 (2592.99MHz)	Frequency Range	1GHz ~ 30GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	5185.98	-67.30	-55.60	1.40	-54.20	-25.00	-29.20
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	5185.98	-66.60	-54.40	1.40	-53.00	-25.00	-28.00

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

LTE Band 26 (Part 22), Channel Bandwidth: 15MHz

Mode	TX channel 26865 (831.5MHz)	Frequency Range	1GHz ~ 10GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)
1	1663.00	-59.00	-51.40	0.90	-50.50	-13.00	-37.50
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)
1	1663.00	-55.90	-48.70	0.90	-47.80	-13.00	-34.80

Remarks:

1. $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$.
2. $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} - \text{Cable Loss (dB)} + 2.15dB$.

LTE Band 26 (Part 90), Channel Bandwidth: 10MHz

Mode	TX channel 26740 (819.0MHz)	Frequency Range	1GHz ~ 10GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Jones Chang		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)
1	1638.00	-61.40	-53.60	1.00	-52.60	-13.00	-39.60
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)
1	1638.00	-56.40	-49.10	1.00	-48.10	-13.00	-35.10

Remarks:

1. $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$.
2. $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} - \text{Cable Loss (dB)} + 2.15dB$.

5 Pictures of Test Arrangements

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

Appendix – Information of 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 and approved according to ISO/IEC 17025.

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

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

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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