

FCC RF TEST REPORT

Applicant:	Cohda Wireless Pty Ltd.
Address:	27 Greenhill Road Wayville SA 5034 Australia

Manufacturer or Supplier:	Cohda Wireless Pty Ltd.
Address:	27 Greenhill Road Wayville SA 5034 Australia
Product:	On board (Transceiver) unit for Automotive.
Brand Name:	Cohda Wireless
Model Name:	MK6 OBU
Series Model	MK6 OBU
FCC ID	2AEGPMK6OBU
Date of tests	Jul. 03, 2023 ~ Sep. 01, 2023

The tests have been carried out according to the requirements of the following standard:

☒ **FCC PART 22, Subpart H**
☒ **FCC PART 24, Subpart E**
☒ **FCC Part 27, Subpart C, M**
☒ **ANSI/TIA/EIA-603-D**
☒ **ANSI/TIA/EIA-603-E**
☒ **ANSI C63.26-2015**
☒ **FCC Part 2**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Chao Wu Engineer / Mobile Department	Approved by Peibo Sun Manager / Mobile Department
 Date: Sep. 01, 2023	 Date: Sep. 01, 2023

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-QSU2306260109RF10	Original release	Sep. 01, 2023

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 22/24/27 & PART 2			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	TEST LAB*
§2.1046	Conducted Output Power	See Note	--
§24.232(c) §27.50(d)(4) §27.50(j)(3) §27.50(k)(3)	Equivalent Isotropically Radiated Power (5G NR n2, n25, n66, n78)	Compliance	A
§22.913 (a) §27.50(c)(10)	Equivalent Radiated Power (5G NR n5, n71)	Compliance	A
§2.1055 §22.355 §24.235 §27.54	Frequency Stability	See Note	--
§2.1049	Occupied Bandwidth	See Note	--
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(l)(2) §27.53(n)(2)	Band Edge Measurements	See Note	--
§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(l)(2) §27.53(n)(2)	Conducted Spurious Emissions	See Note	--
§2.1053 §22.917(a)	Radiated Spurious Emissions	Compliance	A



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§24.238(a) §27.53(g) §27.53(h) §27.53(l)(2) §27.53(n)(2)			
§24.232(d) §22.913(d) §27.50(d)(5) §27.50(k)(4)	Peak-to-Average Ratio	See Note	--

NOTE: Refer to the module report (Report No.: SEWA2205000015RG02, Model Name: AG550Q-NA, FCC ID: XMR2022AG550QNA).

***Test Lab Information Reference**

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zhuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

The FCC Site Registration No. is 434559; The Designation No. is CN1325.

1.1 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	UNCERTAINTY
Frequency Stability	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions & Radiated Power (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions & Radiated Power (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Band Edge Measurements	$\pm 4.70\text{dB}$

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

1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pre-Amplifier	R&S	SCU18F1	100815	Aug.30,22	Aug.29,24
Pre-Amplifier	R&S	SCU08F1	101028	Sep.16,22	Sep.15,24
Vector Signal Generator	R&S	SMBV100B	102176	Feb.16,22	Feb.15,24
Signal Generator	R&S	SMB100A	182185	Feb.16,22	Feb.15,24
3m Fully-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-E MC-01Chamber	Nov.25,22	Nov.24,25
3m Semi-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-E MC-02Chamber	Nov.25,22	Nov.24,25
EMI TEST Receiver	R&S	ESR26	101734	Feb.25,22	Feb.24,24
EMI TEST Receiver	R&S	ESW44	101973	Feb.25,22	Feb.24,24
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Feb.28,22	Feb.27,24
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.22,22	Aug.21,24
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Feb.23,22	Feb.22,24
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Aug.22,22	Aug.21,24
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.23,22	Feb.22,24
WIDEBANDRADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.27,22	Jun.26,24
Test Software	EMC32	EMC32	N/A	N/A	N/A
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	Oct.01,22	Sep.30,24
DC Source	HYELEC	HY3010B	551016	Aug.31,22	Aug.30,24
Hygrothermograph	DELI	20210528	SZ014	Sep.06,22	Sep.05,24
PC	LENOVO	E14	HRSW0024	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-7.0 OM	N/A	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-4.0 OM	N/A	N/A	N/A
CABLE	R&S	W13.02	N/A	Apr.28,23	Oct.27,23
CABLE	R&S	W12.14	N/A	Apr.28,23	Oct.27,23
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.28,23	Oct.27,23
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.28,23	Oct.27,23
Temperature Chamber	votsch	VT4002	58566078100050	May.31,22	May.30,24

- NOTE:** 1. The calibration interval of the above test instruments is 6 months or 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.



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3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 434559; The Designation No. is CN1325.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT*	On board (Transceiver) unit for Automotive.	
BRAND NAME*	Cohda Wireless	
MODEL NAME*	MK6 OBU	
SERIES MODEL*	MK6 OBU	
NOMINAL VOLTAGE*	EUT 12Vdc	
MODULATION TECHNOLOGY	5G NR	DFT-s-OFMA(Pi/2BPSK,QPSK,16QAM,64QAM,256QAM); CP-OFMA(QPSK,16QAM,64QAM,256QAM);
LTE ANCHOR BAND FOR NR BAND	NR Band n2	LTE Band 5/7/12/66/71
	NR Band n5	LTE Band 2/7/66
	NR Band n25	LTE Band 12/66
	NR Band n66	LTE Band 2/5/7/12/71
	NR Band n71	LTE Band 2/7/66
	NR Band n78(Part27Q)	LTE Band 2/4/5/12/41/66/71
	NR Band n78(Part27O)	LTE Band 2/4/5/12/41/66/71
	DC_2A-n78A(Part27Q)	LTE Band 2/4/5/12/41/66/71
	DC_2A-n78A(Part27O)	LTE Band 2/4/5/12/41/66/71
	DC_5A-n78A(Part27Q)	LTE Band 2/4/5/12/41/66/71
	DC_5A-n78A(Part27O)	LTE Band 2/4/5/12/41/66/71
	DC_7A-n78A(Part27Q)	LTE Band 2/4/5/12/41/66/71
	DC_7A-n78A(Part27O)	LTE Band 2/4/5/12/41/66/71
	DC_12A-n78A(Part27Q)	LTE Band 2/4/5/12/41/66/71
	DC_12A-n78A(Part27O)	LTE Band 2/4/5/12/41/66/71
	DC_66A-n78A(Part27Q)	LTE Band 2/4/5/12/41/66/71
	DC_66A-n78A(Part27O)	LTE Band 2/4/5/12/41/66/71

FREQUENCY RANGE	NR Band n2	1852.5MHz ~ 1907.5MHz
	NR Band n5	826.5MHz ~ 846.5MHz
	NR Band n25	1852.5MHz ~ 1912.5MHz
	NR Band n66	1712.5MHz ~ 1777.5MHz
	NR Band n71	665.5MHz ~ 695.5MHz
	NR Band n78(Part27Q)	3460.02MHz ~ 3540MHz
	NR Band n78(Part27O)	3710.01MHz ~ 3789.99MHz
	DC_2A-n78A(Part27Q)	3460.02MHz ~ 3540MHz
	DC_2A-n78A(Part27O)	3710.01MHz ~ 3789.99MHz
	DC_5A-n78A(Part27Q)	3460.02MHz ~ 3540MHz
	DC_5A-n78A(Part27O)	3710.01MHz ~ 3789.99MHz
	DC_7A-n78A(Part27Q)	3460.02MHz ~ 3540MHz
	DC_7A-n78A(Part27O)	3710.01MHz ~ 3789.99MHz
	DC_12A-n78A(Part27Q)	3460.02MHz ~ 3540MHz
	DC_12A-n78A(Part27O)	3710.01MHz ~ 3789.99MHz
	DC_66A-n78A(Part27Q)	3460.02MHz ~ 3540MHz
	DC_66A-n78A(Part27O)	3710.01MHz ~ 3789.99MHz
EMISSION DESIGNATOR	NR Band n5 Channel Bandwidth: 5MHz	QPSK: 4M49G7D 16QAM: 4M48W7D 64QAM: 4M48W7D 256QAM: 4M48W7D Pi/2BPSK: 4M47G9W
	NR Band n5 Channel Bandwidth: 10MHz	QPSK: 9M30G7D 16QAM: 9M28W7D 64QAM: 9M31W7D 256QAM: 9M30W7D Pi/2BPSK: 8M94G9W



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	NR Band n5 Channel Bandwidth: 15MHz	QPSK: 14M1G7D 16QAM: 14M1W7D 64QAM: 14M1W7D 256QAM: 14M2W7D Pi/2BPSK: 13M4G9W
	NR Band n5 Channel Bandwidth: 20MHz	QPSK: 18M9G7D 16QAM: 18M9W7D 64QAM: 18M9W7D 256QAM: 18M9W7D Pi/2BPSK: 17M9G9W
EMISSION DESIGNATOR	NR Band n25 Channel Bandwidth: 5MHz	QPSK: 4M48G7D 16QAM: 4M47W7D 64QAM: 4M49W7D 256QAM: 4M48W7D Pi/2BPSK: 4M47G9W
	NR Band n25 Channel Bandwidth: 10MHz	QPSK: 9M30G7D 16QAM: 9M28W7D 64QAM: 9M28W7D 256QAM: 9M30W7D Pi/2BPSK: 8M93G9W
	NR Band n25 Channel Bandwidth: 15MHz	QPSK: 14M1G7D 16QAM: 14M1W7D 64QAM: 14M1W7D 256QAM: 14M2W7D Pi/2BPSK: 13M4G9W
	NR Band n25 Channel Bandwidth: 20MHz	QPSK: 18M9G7D 16QAM: 18M9W7D 64QAM: 18M9W7D 256QAM: 18M9W7D Pi/2BPSK: 17M9G9W
	NR Band n25 Channel Bandwidth: 25MHz	QPSK: 23M8G7D 16QAM: 23M8W7D 64QAM: 23M7W7D 256QAM: 23M7W7D Pi/2BPSK: 22M9G9W
	NR Band n25 Channel Bandwidth: 30MHz	QPSK: 28M6G7D 16QAM: 28M6W7D 64QAM: 28M6W7D 256QAM: 28M6W7D Pi/2BPSK: 28M6G9W



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	NR Band n25 Channel Bandwidth: 40MHz	QPSK: 38M5G7D 16QAM: 38M5W7D 64QAM: 38M6W7D 256QAM: 38M5W7D Pi/2BPSK: 38M5G9W
EMISSION DESIGNATOR	NR Band n66 Channel Bandwidth: 5MHz	QPSK: 4M48G7D 16QAM: 4M47W7D 64QAM: 4M48W7D 256QAM: 4M48W7D Pi/2BPSK: 4M48G9W
	NR Band n66 Channel Bandwidth: 10MHz	QPSK: 9M31G7D 16QAM: 9M29W7D 64QAM: 9M30W7D 256QAM: 9M30W7D Pi/2BPSK: 8M93G9W
	NR Band n66 Channel Bandwidth: 15MHz	QPSK: 14M1G7D 16QAM: 14M1W7D 64QAM: 14M2W7D 256QAM: 14M2W7D Pi/2BPSK: 13M5G9W
	NR Band n66 Channel Bandwidth: 20MHz	QPSK: 18M9G7D 16QAM: 19M0W7D 64QAM: 18M9W7D 256QAM: 18M9W7D Pi/2BPSK: 17M9G9W
	NR Band n66 Channel Bandwidth: 30MHz	QPSK: 28M6G7D 16QAM: 28M6W7D 64QAM: 28M6W7D 256QAM: 28M6W7D Pi/2BPSK: 28M6G9W
	NR Band n66 Channel Bandwidth: 40MHz	QPSK: 38M5G7D 16QAM: 38M5W7D 64QAM: 38M6W7D 256QAM: 38M5W7D Pi/2BPSK: 38M5G9W
	NR Band n71 Channel Bandwidth: 5MHz	QPSK: 4M48G7D 16QAM: 4M48W7D 64QAM: 4M48W7D 256QAM: 4M48W7D Pi/2BPSK: 4M47G9W



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	NR Band n71 Channel Bandwidth: 10MHz	QPSK: 9M31G7D 16QAM: 9M28W7D 64QAM: 9M29W7D 256QAM: 9M29W7D Pi/2BPSK: 8M94G9W
	NR Band n71 Channel Bandwidth: 15MHz	QPSK: 14M1G7D 16QAM: 14M1W7D 64QAM: 14M2W7D 256QAM: 14M2W7D Pi/2BPSK: 13M5G9W
	NR Band n71 Channel Bandwidth: 20MHz	QPSK: 18M9G7D 16QAM: 18M9W7D 64QAM: 18M9W7D 256QAM: 18M9W7D Pi/2BPSK: 17M9G9W
EMISSION DESIGNATOR	NR Band 78(Part27Q) Channel Bandwidth: 20MHz	QPSK: 18M2G7D 16QAM: 18M3W7D 64QAM: 18M2W7D 256QAM: 18M3W7D Pi/2BPSK: 17M8G9W
	NR Band 78(Part27Q) Channel Bandwidth: 30MHz	QPSK: 27M9G7D 16QAM: 27M9W7D 64QAM: 27M8W7D 256QAM: 27M8W7D Pi/2BPSK: 26M9G9W
	NR Band 78(Part27Q) Channel Bandwidth: 40MHz	QPSK: 37M8G7D 16QAM: 37M9W7D 64QAM: 37M8W7D 256QAM: 37M9W7D Pi/2BPSK: 35M8G9W
	NR Band 78(Part27Q) Channel Bandwidth: 50MHz	QPSK: 47M5G7D 16QAM: 47M4W7D 64QAM: 47M5W7D 256QAM: 47M4W7D Pi/2BPSK: 45M7G9W
	NR Band 78(Part27Q) Channel Bandwidth: 60MHz	QPSK: 57M8G7D 16QAM: 57M9W7D 64QAM: 57M9W7D 256QAM: 57M9W7D Pi/2BPSK: 57M9G9W

	NR Band 78(Part27Q) Channel Bandwidth: 70MHz	QPSK: 67M6G7D 16QAM: 67M6W7D 64QAM: 67M4W7D 256QAM: 67M5W7D Pi/2BPSK: 64M4G9W
	NR Band 78(Part27Q) Channel Bandwidth: 80MHz	QPSK: 77M5G7D 16QAM: 77M5W7D 64QAM: 77M5W7D 256QAM: 77M5W7D Pi/2BPSK: 77M1G9W
	NR Band 78(Part27Q) Channel Bandwidth: 90MHz	QPSK: 87M4G7D 16QAM: 87M3W7D 64QAM: 87M5W7D 256QAM: 87M2W7D Pi/2BPSK: 85M5G9W
	NR Band 78(Part27Q) Channel Bandwidth: 100MHz	QPSK: 97M2G7D 16QAM: 97M5W7D 64QAM: 97M4W7D 256QAM: 97M4W7D Pi/2BPSK: 96M4G9W
EMISSION DESIGNATOR	NR Band 78(Part27O) Channel Bandwidth: 20MHz	QPSK: 18M2G7D 16QAM: 18M2W7D 64QAM: 18M2W7D 256QAM: 18M3W7D Pi/2BPSK: 17M9G9W
	NR Band 78(Part27O) Channel Bandwidth: 30MHz	QPSK: 27M9G7D 16QAM: 27M8W7D 64QAM: 27M8W7D 256QAM: 27M8W7D Pi/2BPSK: 26M8G9W
	NR Band 78(Part27O) Channel Bandwidth: 40MHz	QPSK: 37M9G7D 16QAM: 37M8W7D 64QAM: 37M9W7D 256QAM: 37M8W7D Pi/2BPSK: 35M9G9W
	NR Band 78(Part27O) Channel Bandwidth: 50MHz	QPSK: 47M5G7D 16QAM: 47M4W7D 64QAM: 47M5W7D 256QAM: 47M4W7D Pi/2BPSK: 45M7G9W

	NR Band 78(Part270) Channel Bandwidth: 60MHz	QPSK: 57M9G7D 16QAM: 57M9W7D 64QAM: 57M8W7D 256QAM: 58M0W7D Pi/2BPSK: 57M8G9W
	NR Band 78(Part270) Channel Bandwidth: 70MHz	QPSK: 67M4G7D 16QAM: 67M4W7D 64QAM: 67M4W7D 256QAM: 67M6W7D Pi/2BPSK: 64M3G9W
	NR Band 78(Part270) Channel Bandwidth: 80MHz	QPSK: 77M6G7D 16QAM: 77M4W7D 64QAM: 77M5W7D 256QAM: 77M7W7D Pi/2BPSK: 77M1G9W
	NR Band 78(Part270) Channel Bandwidth: 90MHz	QPSK: 87M6G7D 16QAM: 87M5W7D 64QAM: 87M5W7D 256QAM: 87M4W7D Pi/2BPSK: 85M6G9W
	NR Band 78(Part270) Channel Bandwidth: 100MHz	QPSK: 97M4G7D 16QAM: 97M4W7D 64QAM: 97M6W7D 256QAM: 97M4W7D Pi/2BPSK: 96M2G9W
5G SA MAX. EIRP POWER	NR Band n2 Channel Bandwidth: 5MHz	510.50mW
	NR Band n2 Channel Bandwidth: 10MHz	515.23mW
	NR Band n2 Channel Bandwidth: 15MHz	514.04mW
	NR Band n2 Channel Bandwidth: 20MHz	516.42mW
	NR Band n5 Channel Bandwidth: 5MHz	223.87mW



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	NR Band n5 Channel Bandwidth: 10MHz	219.28mW
	NR Band n5 Channel Bandwidth: 15MHz	224.39mW
	NR Band n5 Channel Bandwidth: 20MHz	227.51mW
	NR Band n25 Channel Bandwidth: 5MHz	538.27mW
	NR Band n25 Channel Bandwidth: 10MHz	542.00mW
	NR Band n25 Channel Bandwidth: 15MHz	606.74mW
	NR Band n25 Channel Bandwidth: 20MHz	594.29mW

5G SA MAX. EIRP POWER	NR Band n25 Channel Bandwidth: 25MHz	613.76mW
	NR Band n25 Channel Bandwidth: 30MHz	612.35mW
	NR Band n25 Channel Bandwidth: 40MHz	629.51mW
	NR Band n66 Channel Bandwidth: 5MHz	583.45mW
	NR Band n66 Channel Bandwidth: 10MHz	592.93mW
	NR Band n66 Channel Bandwidth: 15MHz	587.49mW
	NR Band n66 Channel Bandwidth: 20MHz	590.20mW
	NR Band n66 Channel Bandwidth: 30MHz	612.35mW
	NR Band n66 Channel Bandwidth: 40MHz	622.30mW
	NR Band n71 Channel Bandwidth: 5MHz	334.97mW
	NR Band n71 Channel Bandwidth: 10MHz	337.29mW
	NR Band n71 Channel Bandwidth: 15MHz	342.77mW
	NR Band n71 Channel Bandwidth: 20MHz	343.56 mW

5G SA MAX. EIRP POWER	NR Band 78(Part27Q) Channel Bandwidth: 20MHz	895.36mW
	NR Band 78(Part27Q) Channel Bandwidth: 30MHz	820.35mW
	NR Band 78(Part27Q) Channel Bandwidth: 40MHz	926.83mW
	NR Band 78(Part27Q) Channel Bandwidth: 50MHz	859.01 mW
	NR Band 78(Part27Q) Channel Bandwidth: 60MHz	864.97mW
	NR Band 78(Part27Q) Channel Bandwidth: 80MHz	860.99mW
	NR Band 78(Part27Q) Channel Bandwidth: 90MHz	859.01mW
	NR Band 78(Part27Q) Channel Bandwidth: 100MHz	895.36mW
	NR Band 78(Part27O) Channel Bandwidth: 20MHz	769.13mW
	NR Band 78(Part27O) Channel Bandwidth: 30MHz	760.33mW
	NR Band 78(Part27O) Channel Bandwidth: 40MHz	756.83mW
	NR Band 78(Part27O) Channel Bandwidth: 50MHz	755.09mW
	NR Band 78(Part27O) Channel Bandwidth: 60MHz	751.62mW
	NR Band 78(Part27O) Channel Bandwidth: 80MHz	744.73mW
	NR Band 78(Part27O) Channel Bandwidth: 90MHz	741.31mW
	NR Band 78(Part27O) Channel Bandwidth: 100MHz	672.98mW

5G NSA MAX. EIRP POWER	DC_2A-n78A(Part27Q) Channel Bandwidth: 20MHz	620.87mW
	DC_2A-n78A(Part27Q) Channel Bandwidth: 30MHz	606.74mW
	DC_2A-n78A(Part27Q) Channel Bandwidth: 40MHz	603.95mW
	DC_2A-n78A(Part27Q) Channel Bandwidth: 50MHz	563.64mW
	DC_2A-n78A(Part27Q) Channel Bandwidth: 60MHz	580.76mW
	DC_2A-n78A(Part27Q) Channel Bandwidth: 80MHz	574.12mW
	DC_2A-n78A(Part27Q) Channel Bandwidth: 90MHz	599.79mW
	DC_2A-n78A(Part27Q) Channel Bandwidth: 100MHz	629.51mW
	DC_5A-n78A (Part27O) Channel Bandwidth: 20MHz	683.91mW
	DC_5A-n78A (Part27O) Channel Bandwidth: 30MHz	666.81mW
	DC_5A-n78A (Part27O) Channel Bandwidth: 40MHz	680.77mW
	DC_5A-n78A (Part27O) Channel Bandwidth: 50MHz	657.66mW
	DC_5A-n78A (Part27O) Channel Bandwidth: 60MHz	668.34mW
	DC_5A-n78A (Part27O) Channel Bandwidth: 80MHz	659.17mW
	DC_5A-n78A (Part27O) Channel Bandwidth: 90MHz	650.13mW
	DC_5A-n78A (Part27O) Channel Bandwidth: 100MHz	690.24mW

ANTENNA TYPE*	5G SA Monopole Antenna with 4.2 dBi gain for NR Band n2 Monopole Antenna with 2.4dBi gain for NR Band n5 Monopole Antenna with 4.2dBi gain for NR Band n25 Monopole Antenna with 4.2dBi gain for NR Band n66 Monopole Antenna with 1.9dBi gain for NR Band n71 Monopole Antenna with 4.8dBi gain for NR Band n78
HW VERSION*	Rev 1.0
SW VERSION*	19.Release.130830
I/O PORTS*	Refer to user's manual
CABLE SUPPLIED*	N/A
EXTREME TEMPERATURE*	-20-75 °C
EXTREME VOLTAGE*	10.2V – 13.8V

NOTE:

- *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information , Test Lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
5G NR	1TX/1RX

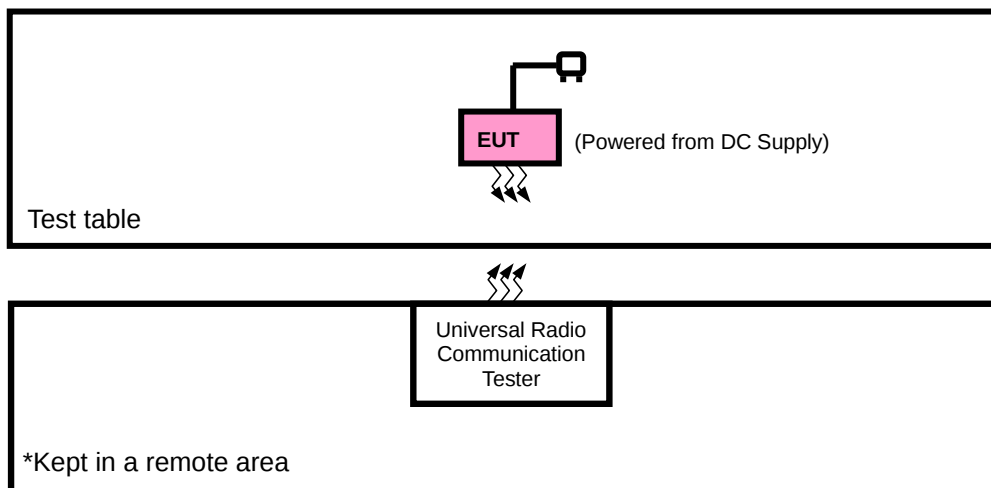
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- Max ERP/EIRP is according to Max conducted power calculate for SA&NSA.

List of Accessory:

ACCESSORIES	MANUFACTURER	ANTENNA TYPE	MODEL
2x Antenna for LTE/2G/3G/CDMA	Taoglas	Monopole Antenna	TG.66.0723
1x Antenna for WLAN/BT	Taoglas	Monopole Antenna	GW.05.0E23
1x Antenna for WLAN	Taoglas	Monopole Antenna	GW.05.0E23
2x Antenna for C-V2X	MobileMark	DOM Antenna	MGWG-303
2x Antenna for DSRC	MobileMark	DOM Antenna	MGWG-303
1x Antenna for GNSS	MobileMark	DOM Antenna	MGWG-303

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



2.3 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Laptop	Lenovo	ThinkPad E14	HRSW00024	N/A
2	DC Source	HYELEC	HY3010B	551016	N/A
3	Ethernet	N/A	N/A	N/A	N/A
4	CAN Connector	N/A	N/A	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Detachable, 1.0m;
2	PC USB Line: Unshielded, Detachable, 1.0m;
3	CAN Box: Unshielded, Detachable, 1.8m;
4	Ethernet: Unshielded, Detachable, 0.8m;

2.4 TEST ITEM AND TEST CONFIGURATION

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

EUT CONFIGUR E MODE	DESCRIPTION
A	EUT + DC Supply with 5G NR link

5G NR n2 MODE (SA_n2)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The EIRP calculate presented in the report from worst SA n2.

3. SA n2 are covered by SA n25, Because it is a subset of SA n25 with the same output power and supported bandwidths, So the conducted test data please refer to SA n25.

5G NR n5 MODE (SA_n5)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	ERP	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		166300 to 168300	166300 to 168300	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	166800 to 167800	166800 to 167800	Middle	20MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
A	OCCUPIED BANDWIDTH	165300 to 169300	165300 to 169300	Middle	5MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		165800 to 168800	165800 to 168800	Middle	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		166300 to 168300	166300 to 168300	Middle	15MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		166800 to 167800	166800 to 167800	Middle	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	165300 to 169300	165300 to 169300	Low	5MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full

		165800 to 168800	165800 to 168800	High	5MHz	QPSK	1RB/ 24RB Offset		
				Outer_Full					
				Low	10MHz	QPSK	1RB/ 0RB Offset		
				Outer_Full					
		166800 to 167800	166800 to 167800	High	10MHz	QPSK	1RB/ 51RB Offset		
				Outer_Full					
				Low	20MHz	QPSK	1RB/ 0RB Offset		
				Outer_Full					
166800 to 167800	166800 to 167800	High	20MHz	QPSK	1RB/ 105RB Offset				
		Outer_Full							
		A	CONDUCTED EMISSION	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
				165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
166800 to 167800	166800 to 167800			Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset		
A	RADIATED EMISSION			165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		165800 to 168800	165800 to 168800	Middle,	10MHz	QPSK	1RB/ 0RB Offset		
		166300 to 168300	166300 to 168300	Middle,	15MHz	QPSK	1RB/ 0RB Offset		
		166800 to 167800	166800 to 167800	Middle,	20MHz	QPSK	1RB/ 0RB Offset		

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n5.

5G NR n25 MODE (SA_n25)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	370500 to 382500	370500 to 382500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 382000	371000 to 382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 381500	371500 to 381500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 381000	372000 to 381000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset

		372500 to 380500	372500 to 380500	Low, Middle, High	25MHz	QPSK	1RB/ 0RB Offset
		373000 to 380000	373000 to 380000	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		374000 to 379000	374000 to 379000	Low, Middle, High	40MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	374000 to 379000	374000 to 379000	Middle	40MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	374000 to 379000	374000 to 379000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
A	OCCUPIED BANDWIDTH	370500 to 382500	370500 to 382500	Middle	5MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		371000 to 382000	371000 to 382000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		371500 to 381500	371500 to 381500	Middle	15MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		372000 to 381000	372000 to 381000	Middle	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		372500 to 380500	372500 to 380500	Low, Middle, High	25MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		373000 to 380000	373000 to 380000	Low, Middle, High	30MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		374000 to 379000	374000 to 379000	Low, Middle, High	40MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	370500 to 382500	370500 to 382500	Low	5MHz	QPSK	1RB/ 0RB Offset
				High	5MHz	QPSK	Outer_ Full
		372000 to 381000	372000 to 381000	Low	20MHz	QPSK	1RB/ 24 RB Offset
				High	20MHz	QPSK	Outer_ Full
		374000 to 379000	374000 to 379000	Low	40MHz	QPSK	1RB/ 0RB Offset
				High	40MHz	QPSK	Outer_ Full
		370500 to 382500	370500 to 382500	Low	5MHz	QPSK	1RB/ 105 RB Offset
				High	5MHz	QPSK	Outer_ Full
A	CONDUCTED EMISSION	370500 to 382500	370500 to 382500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		372000 to 381000	372000 to 381000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		374000 to 379000	374000 to 379000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	370500 to 382500	370500 to 382500	Middle	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 382000	371000 to 382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 381500	371500 to 381500	Middle	15MHz	QPSK	1RB/ 0RB Offset

		372000 to 381000	372000 to 381000	Middle	20MHz	QPSK	1RB/ 0RB Offset
		372500 to 380500	372500 to 380500	Middle	25MHz	QPSK	1RB/ 0RB Offset
		373000 to 380000	373000 to 380000	Middle	30MHz	QPSK	1RB/ 0RB Offset
		374000 to 379000	374000 to 379000	Middle	40MHz	QPSK	1RB/ 0RB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n25

5G NR n66 MODE (SA_n66)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	342500 to 355500	342500 to 355500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		343000 to 355000	343000 to 355000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		343500 to 354500	343500 to 354500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		344000 to 354000	344000 to 354000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		345000 to 353000	345000 to 353000	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		346000 to 352000	346000 to 352000	Low, Middle, High	40MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	346000 to 352000	346000 to 352000	Middle	40MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	346000 to 352000	346000 to 352000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
A	OCCUPIED BANDWIDTH	342500 to 355500	342500 to 355500	Middle	5MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		343000 to 355000	343000 to 355000	Middle	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		343500 to 354500	343500 to 354500	Middle	15MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		344000 to 354000	344000 to 354000	Middle	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		345000 to 353000	345000 to 353000	Middle	30MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		346000 to 352000	346000 to 352000	Middle	40MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	502008 to 535998	502008 to 535998	Low	5MHz	QPSK	1RB/ 0RB Offset
				High	5MHz	QPSK	Outer_ Full
		505008 to 532998	505008 to 532998	Low	20MHz	QPSK	1RB/ 24RB Offset
							Outer_ Full
				High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
							1RB/ 105RB Offset

		508002 to 529998	508002 to 529998	Low	40MHz	QPSK	Outer_Full 1RB/ 0RB Offset
				High	40MHz	QPSK	Outer_Full
							1RB/ 215RB Offset
							Outer_Full
A	CONDUCTED EMISSION	342500 to 355500	342500 to 355500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		344000 to 354000	344000 to 354000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		346000 to 352000	346000 to 352000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	342500 to 355500	342500 to 355500	Middle	5MHz	QPSK	1RB/ 0RB Offset
		343000 to 355000	343000 to 355000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		343500 to 354500	343500 to 354500	Middle	15MHz	QPSK	1RB/ 0RB Offset
		344000 to 354000	344000 to 354000	Middle,	20MHz	QPSK	1RB/ 0RB Offset
		345000 to 353000	345000 to 353000	Middle	30MHz	QPSK	1RB/ 0RB Offset
		346000 to 352000	346000 to 352000	Middle	40MHz	QPSK	1RB/ 0RB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n66.

5G NR n71 MODE (SA_n71)

EUT CONFIGU RE MODE	TESWT ITEM	AVAILAB LE CP-OFDM CHANNE L	AVAILABL E DFT-S-OFD M CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S- OFDM) (INCLUDE CP-OFDM)
A	ERP	133100 to 139100	133100 to 139100	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		133600 to 138600	133600 to 138600	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		134100 to 138100	134100 to 138100	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		134600 to 137600	134600 to 137600	Low, Middle, High	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	134600 to 137600	134600 to 137600	Middle	20MHz	QPSK	Outer_Full
A	PEAK TO AVERAGE RATIO	134600 to 137600	134600 to 137600	Low, Middle, High	20MHz	QPSK	Outer_Full
A	OCCUPIED BANDWIDTH	133100 to 139100	133100 to 139100	Middle	5MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_Full



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		133600 to 138600	133600 to 138600	Middle	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		134100 to 138100	134100 to 138100	Middle	15MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		134600 to 137600	134600 to 137600	Low, Middle, High	20MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	133100 to 139100	133100 to 139100	Low	5MHz	QPSK	1RB/ 0RB Offset
							1RB/ 24RB Offset
							Outer_ Full
				High	5MHz	QPSK	1RB/ 0RB Offset
							1RB/ 24RB Offset
							Outer_ Full
		133600 to 138600	133600 to 138600	Low	10MHz	QPSK	1RB/ 0RB Offset
							1RB/ 51RB Offset
							Outer_ Full
				High	10MHz	QPSK	1RB/ 0RB Offset
							1RB/ 51RB Offset
							Outer_ Full
		134100 to 138100	134100 to 138100	Low	15MHz	QPSK	1RB/ 0RB Offset
							1RB/ 78RB Offset
							Outer_ Full
				High	15MHz	QPSK	1RB/ 0RB Offset
							1RB/ 78RB Offset
							Outer_ Full
		34600 to 137600	134600 to 137600	Low	20MHz	QPSK	1RB/ 0RB Offset
							1RB/ 105RB Offset
							Outer_ Full
				High	20MHz	QPSK	1RB/ 0RB Offset
							1RB/ 105RB Offset
							Outer_ Full
A	CONDUCTED EMISSION	133100 to 139100	133100 to 139100	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		133600 to 138600	133600 to 138600	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		134100 to 138100	134100 to 138100	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		34600 to 137600	34600 to 137600	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset



BUREAU
VERITAS

Test Report No.: PSU-QSU2307030110R10

A	RADIATED EMISSION	133100 to 139100	133100 to 139100	Middle	5MHz	QPSK	1RB/ 0RB Offset
		133600 to 138600	133600 to 138600	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		134100 to 138100	134100 to 138100	Middle	15MHz	QPSK	1RB/ 0RB Offset
		34600 to 137600	34600 to 137600	Middle	20MHz	QPSK	1RB/ 0RB Offset

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n71.

**5G NR Band n78(Part27Q) (SA_n78/ DC_2A_n78/ DC_5A_n78/ DC_7A_n78/DC_12A_n78/
DC_66A_n78)**

EUT CONFIGUR E MODE	TEST ITEM	AVAILAB LE CP-OFDM CHANNE L	AVAILABL E DFT-S-OFD M CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S- OFDM) (INCLUDE CP-OFDM)
A	EIRP	630668 to 636000	630668 to 636000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		631002 to 635664	631002 to 635664	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		631334 to 635332	631334 to 635332	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
		631668 to 634998	631668 to 634998	Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset
		632000 to 634666	632000 to 634666	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		632668 to 634000	632668 to 634000	Low, Middle, High	80MHz	QPSK	1RB/ 0RB Offset
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset
		633334	633334	Middle	100MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENC Y STABILITY	633334	633334	Middle	100MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	630668 to 636000	630668 to 636000	Low, Middle, High	20MHz	QPSK	Outer_ Full
A	OCCUPIED BANDWIDT H	630668 to 636000	630668 to 636000	Low, Middle, High	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		631002 to 635664	631002 to 635664	Low, Middle, High	30MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		631334 to 635332	631334 to 635332	Low, Middle, High	40MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		631668 to 634998	631668 to 634998	Low, Middle, High	50MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		632000 to 634666	632000 to 634666	Low, Middle, High	60MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		632668 to 634000	632668 to 634000	Low, Middle, High	80MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		633000 to 633666	633000 to 633666	Low, Middle, High	90MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		633334	633334	Middle	100MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	630668 to 636000	630668 to 636000	Low	20MHz	QPSK	1RB/ 0RB Offset
				High	20MHz	QPSK	Outer_ Full
		632000 to 634666	632000 to 634666	Low	60MHz	QPSK	1RB/ 50RB Offset
							Outer_ Full
				High	60MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
							1RB/ 161RB Offset
							Outer_ Full

		633334	633334	Middle	100MHz	QPSK	1RB/ 0RB Offset
				Middle	100MHz	QPSK	1RB/ 272RB Offset
A	CONDUCTED EMISSION	630668 to 636000	630668 to 636000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		632000 to 634666	632000 to 634666	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		633334	633334	Middle	100MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	630668 to 636000	630668 to 636000	Middle	20MHz	QPSK	1RB/ 0RB Offset
		631002 to 635664	631002 to 635664	Middle	30MHz	QPSK	1RB/ 0RB Offset
		631334 to 635332	631334 to 635332	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
		631668 to 634998	631668 to 634998	Middle	50MHz	QPSK	1RB/ 0RB Offset
		632000 to 634666	632000 to 634666	Middle	60MHz	QPSK	1RB/ 0RB Offset
		632668 to 634000	632668 to 634000	Middle	80MHz	QPSK	1RB/ 0RB Offset
		633000 to 633666	633000 to 633666	Middle	90MHz	QPSK	1RB/ 0RB Offset
		633334	633334	Middle	100MHz	QPSK	1RB/ 0RB Offset

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n78(Part27Q)& NSA_n78(Part27Q).

**5G NR Band n78(Part27Q) (SA_n78/ DC_2A_n78/ DC_5A_n78/ DC_7A_n78/DC_12A_n78/
DC_66A_n78)**

EUT CONFIGUR E MODE	TEST ITEM	AVAILAB LE CP-OFDM CHANNE L	AVAILABL E DFT-S-OFD M CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S- OFDM) (INCLUDE CP-OFDM)
A	EIRP	647334 to 52666	647334 to 52666	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		647670 to 652332	647670 to 652332	Low, Middle, High	30MHz	QPSK	1RB/ 0RB Offset
		648000 to 652000	648000 to 652000	Low, Middle, High	40MHz	QPSK	1RB/ 0RB Offset
		648334 to 651666	648334 to 651666	Low, Middle, High	50MHz	QPSK	1RB/ 0RB Offset
		648668 to 651332	648668 to 651332	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		649334 to 650666	649334 to 650666	Low, Middle, High	80MHz	QPSK	1RB/ 0RB Offset

		649668 to 650332	649668 to 650332	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset
		650000	650000	Middle,	100MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	650000	650000	Middle	100MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	647334 to 52666	647334 to 52666	Low, Middle, High	20MHz	QPSK	Outer_ Full
A	OCCUPIED BANDWIDTH	647334 to 52666	647334 to 52666	Low, Middle, High	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		647670 to 652332	647670 to 652332	Low, Middle, High	30MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		648000 to 652000	648000 to 652000	Low, Middle, High	40MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		648334 to 651666	648334 to 651666	Low, Middle, High	50MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		648668 to 651332	648668 to 651332	Low, Middle, High	60MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		649334 to 650666	649334 to 650666	Low, Middle, High	80MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		649668 to 650332	649668 to 650332	Low, Middle, High	90MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		650000	650000	Middle	100MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	647334 to 52666	647334 to 52666	Low	20MHz	QPSK	1RB/ 0RB Offset
				High	20MHz	QPSK	Outer_ Full
		648668 to 651332	648668 to 651332	Low	60MHz	QPSK	1RB/ 50RB Offset
				High	60MHz	QPSK	Outer_ Full
		650000	650000	Low	100MHz	QPSK	1RB/ 0RB Offset
				High	100MHz	QPSK	Outer_ Full
		650000	650000	Middle	100MHz	QPSK	1RB/ 161RB Offset
				Middle	100MHz	QPSK	Outer_ Full
A	CONDUCTED EMISSION	647334 to 52666	647334 to 52666	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
		648668 to 651332	648668 to 651332	Low, Middle, High	60MHz	QPSK	1RB/ 0RB Offset
		650000	650000	Middle	100MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	647334 to 52666	647334 to 52666	Middle	20MHz	QPSK	1RB/ 0RB Offset
		647670 to 652332	647670 to 652332	Middle	30MHz	QPSK	1RB/ 0RB Offset



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		648000 to 652000	648000 to 652000	Middle	40MHz	QPSK	1RB/ 0RB Offset
		648334 to 651666	648334 to 651666	Middle	50MHz	QPSK	1RB/ 0RB Offset
		648668 to 651332	648668 to 651332	Middle	60MHz	QPSK	1RB/ 0RB Offset
		649334 to 650666	649334 to 650666	Middle	80MHz	QPSK	1RB/ 0RB Offset
		649668 to 650332	649668 to 650332	Low, Middle, High	90MHz	QPSK	1RB/ 0RB Offset
		650000	650000	Middle	100MHz	QPSK	1RB/ 0RB Offset

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. The test data presented in the report from worst SA_n78(Part27O)& NSA_n78(Part27O).



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TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	23deg. C, 70%RH	DC 12V By DC Supply	Chao Wu
RADIATED EMISSION	23deg. C, 70%RH	DC 12V By DC Supply	Chao Wu



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2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC 47 CFR Part 2

FCC 47 CFR Part 22/24/27

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

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

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile / Portable station are limited to 7 watts e.r.p. (n5)

Mobile and portable stations are limited to 2 watts EIRP. (n2/n25)

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP(n66)

According to the specific rule Part 27.50(b)(10) and 27.50(c)(10) Fixed, mobile, and Portable stations (hand-held devices) transmitting in the 698-746 MHz bands are limited to 3 watts ERP(n71)

According to the specific rule Part 27.50(j)(4) and Part 27.50(k)(3) ,Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.(n78)

3.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as PMeas, typically dBW or dBm);

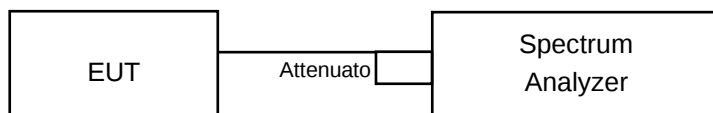
PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

- The EUT was set up for the maximum power with 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.



3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



1. Connect the DUT transmitter output to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
2. Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW).
3. Set the span to twice the nominal EBW (span = 2 x EBW).
4. Set the resolution bandwidth (RBW) to approximately 1% of EBW.
5. Set the video bandwidth (VBW) to $\geq 3 \times \text{RBW}$
6. Select the average power (RMS) display detector.
7. Set the number of measurement points to ≥ 1001 .
8. Use auto-coupled sweep time.
9. Perform measurement over an interval of time when the transmission is continuous and at its maximum power level.
10. Utilize trace averaging over 100 traces in the power averaging mode.
11. Use the Band/Channel Power function to determine the integrated power over the full EBW.
12. Record the band power level.
13. Adjust the recorded level by applying appropriate correction factors for the measurement set-up.
14. Determine the EIRP by adding the effective antenna gain to the adjusted power level.

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

3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

5G SA N2

BW	MCS Index	RB Size	RB Offset	Low CH 370500	Mid CH 376000	High CH 381500
				Frequency 1852.5MHz	Frequency 1880MHz	Frequency 1907.5MHz
5M	CP-OFDM QPSK	1	1	21.17	21.14	21.23

BW	MCS Index	RB Size	RB Offset	Low CH 371000	Mid CH 376000	High CH 381000
				Frequency 1855MHz	Frequency 1880MHz	Frequency 1905MHz
10M	CP-OFDM QPSK	1	1	21.33	21.20	21.36

BW	MCS Index	RB Size	RB Offset	Low CH 371500	Mid CH 376000	High CH 380500
				Frequency 1857.5MHz	Frequency 1880MHz	Frequency 1902.5MHz
15M	CP-OFDM QPSK	1	1	21.47	21.43	21.29

BW	MCS Index	RB Size	RB Offset	Low CH 372000	Mid CH 376000	High CH 380000
				Frequency 1860MHz	Frequency 1880MHz	Frequency 1900MHz
20M	CP-OFDM QPSK	1	1	21.42	21.45	21.39

BW	MCS Index	RB Size	RB Offset	Low CH 370500	Mid CH 376000	High CH 381500
				Frequency 1852.5MHz	Frequency 1880MHz	Frequency 1907.5MHz
5M	DFT-s-OFDM QPSK	1	1	22.79	22.81	22.88

BW	MCS Index	RB Size	RB Offset	Low CH 371000	Mid CH 376000	High CH 381000
				Frequency 1855MHz	Frequency 1880MHz	Frequency 1905MHz
10M	DFT-s-OFDM QPSK	1	1	22.89	22.84	22.92

BW	MCS Index	RB Size	RB Offset	Low CH 371500	Mid CH 376000	High CH 380500
				Frequency 1857.5MHz	Frequency 1880MHz	Frequency 1902.5MHz
15M	DFT-s-OFDM QPSK	1	1	22.91	22.88	22.82

BW	MCS Index	RB Size	RB Offset	Low CH 372000	Mid CH 376000	High CH 380000
				Frequency 1860MHz	Frequency 1880MHz	Frequency 1900MHz
20M	DFT-s-OFDM Pi/2 BPSK	1	1	22.86	22.78	22.76
		1	53	22.82	22.77	22.71
		1	104	22.79	22.82	22.83
		50	0	21.94	21.91	21.89
		50	28	22.91	22.89	22.90
		50	56	21.95	21.97	21.92
		100	0	21.94	21.92	21.84
	DFT-s-OFDM QPSK	1	1	22.88	22.93	22.83
		1	53	22.81	22.87	22.74
		1	104	22.91	22.79	22.81
		50	0	21.96	21.72	21.87
		50	28	22.92	22.82	22.88
		50	56	21.89	21.73	21.96
		100	0	21.91	21.74	21.82
	DFT-s-OFDM 16QAM	1	1	22.22	22.26	22.19
	DFT-s-OFDM 64QAM	1	1	20.18	20.31	20.12
	DFT-s-OFDM 256QAM	1	1	18.20	18.18	18.21

N5

BW	MCS Index	RB Size	RB Offset	Low CH 165300	Mid CH 167300	High CH 169300
				Frequency 826.5MHz	Frequency 836.5MHz	Frequency 846.5MHz
5M	CP-OFDM QPSK	1	1	21.73	21.77	21.76

BW	MCS Index	RB Size	RB Offset	Low CH 165800	Mid CH 167300	High CH 168800
				Frequency 829MHz	Frequency 836.5MHz	Frequency 844MHz
10M	CP-OFDM QPSK	1	1	21.68	21.78	21.64

BW	MCS Index	RB Size	RB Offset	Low CH 166300	Mid CH 167300	High CH 168300
				Frequency 831.5MHz	Frequency 836.5MHz	Frequency 841.5MHz
15M	CP-OFDM QPSK	1	1	21.80	21.83	21.72

BW	MCS Index	RB Size	RB Offset	Low CH 166800	Mid CH 167300	High CH 167800
				Frequency 834MHz	Frequency 836.5MHz	Frequency 839MHz
20M	CP-OFDM QPSK	1	1	21.79	21.93	21.82

BW	MCS Index	RB Size	RB Offset	Low CH 165300	Mid CH 167300	High CH 169300
				Frequency 826.5MHz	Frequency 836.5MHz	Frequency 846.5MHz
5M	DFT-s-OFDM QPSK	1	1	23.19	23.25	23.20

BW	MCS Index	RB Size	RB Offset	Low CH 165800	Mid CH 167300	High CH 168800
				Frequency 829MHz	Frequency 836.5MHz	Frequency 844MHz
10M	DFT-s-OFDM QPSK	1	1	23.09	23.16	23.06

BW	MCS Index	RB Size	RB Offset	Low CH 166300	Mid CH 167300	High CH 168300
				Frequency 831.5MHz	Frequency 836.5MHz	Frequency 841.5MHz
15M	DFT-s-OFDM QPSK	1	1	23.24	23.26	23.15

BW	MCS Index	RB Size	RB Offset	Low CH 166800	Mid CH 167300	High CH 167800
				Frequency 834MHz	Frequency 836.5MHz	Frequency 839MHz
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.11	23.25	23.19
		1	53	23.08	23.09	23.13
		1	104	23.04	23.13	23.08
		50	0	22.28	22.43	22.32
		50	28	23.25	23.26	23.29
		50	56	22.29	22.36	22.41
		100	0	22.32	22.37	22.35
	DFT-s-OFDM QPSK	1	1	23.13	23.32	23.20
		1	53	23.09	23.13	23.15
		1	104	23.08	23.28	23.07
		50	0	22.38	22.37	22.33
		50	28	23.27	23.29	23.28
		50	56	22.40	22.39	22.41
		100	0	22.32	22.28	22.34
	DFT-s-OFDM 16QAM	1	1	22.61	22.45	22.69
	DFT-s-OFDM 64QAM	1	1	20.58	20.81	20.61
	DFT-s-OFDM 256QAM	1	1	18.59	18.62	18.55

N25

BW	MCS Index	RB Size	RB Offset	Low CH 370500	Mid CH 376500	High CH 382500
				Frequency 1852.5MHz	Frequency 1882.5MHz	Frequency 1912.5MHz
5M	CP-OFDM QPSK	1	1	21.47	21.60	21.51

BW	MCS Index	RB Size	RB Offset	Low CH 371000	Mid CH 376500	High CH 382000
				Frequency 1855MHz	Frequency 1882.5MHz	Frequency 1910MHz
10M	CP-OFDM QPSK	1	1	21.58	21.65	21.62

BW	MCS Index	RB Size	RB Offset	Low CH 371500	Mid CH 376500	High CH 381500
				Frequency 1857.5MHz	Frequency 1882.5MHz	Frequency 1907.5MHz
15M	CP-OFDM QPSK	1	1	21.72	21.67	21.64

BW	MCS Index	RB Size	RB Offset	Low CH 372000	Mid CH 376500	High CH 381000
				Frequency 1860MHz	Frequency 1882.5MHz	Frequency 1905MHz
20M	CP-OFDM QPSK	1	1	21.71	21.70	21.68

BW	MCS Index	RB Size	RB Offset	Low CH 372500	Mid CH 376500	High CH 380500
				Frequency 1862.5MHz	Frequency 1882.5MHz	Frequency 1902.5MHz
25M	CP-OFDM QPSK	1	1	21.78	21.83	21.90

BW	MCS Index	RB Size	RB Offset	Low CH 373000	Mid CH 376500	High CH 380000
				Frequency 1865MHz	Frequency 1882.5MHz	Frequency 1900MHz
30M	CP-OFDM QPSK	1	1	22.85	21.80	21.86

BW	MCS Index	RB Size	RB Offset	Low CH 374000	Mid CH 376500	High CH 379000
				Frequency 1870MHz	Frequency 1882.5MHz	Frequency 1895MHz
40M	CP-OFDM QPSK	1	1	21.86	22.08	21.97

BW	MCS Index	RB Size	RB Offset	Low CH 370500	Mid CH 376500	High CH 382500
				Frequency 1852.5MHz	Frequency 1882.5MHz	Frequency 1912.5MHz
5M	DFT-s-OFDM QPSK	1	1	23.03	23.11	23.04

BW	MCS Index	RB Size	RB Offset	Low CH 371000	Mid CH 376500	High CH 382000
				Frequency 1855MHz	Frequency 1882.5MHz	Frequency 1910MHz
10M	DFT-s-OFDM QPSK	1	1	23.04	22.94	23.14

BW	MCS Index	RB Size	RB Offset	Low CH 371500	Mid CH 376500	High CH 381500
				Frequency 1857.5MHz	Frequency 1882.5MHz	Frequency 1907.5MHz
15M	DFT-s-OFDM QPSK	1	1	23.63	23.52	23.50

BW	MCS Index	RB Size	RB Offset	Low CH 372000	Mid CH 376500	High CH 381000
				Frequency 1860MHz	Frequency 1882.5MHz	Frequency 1905MHz
20M	DFT-s-OFDM QPSK	1	1	23.52	23.46	23.54

BW	MCS Index	RB Size	RB Offset	Low CH 372500	Mid CH 376500	High CH 380500
				Frequency 1862.5MHz	Frequency 1882.5MHz	Frequency 1902.5MHz
25M	DFT-s-OFDM QPSK	1	1	23.62	23.66	23.68

BW	MCS Index	RB Size	RB Offset	Low CH 373000	Mid CH 376500	High CH 380000
				Frequency 1865MHz	Frequency 1882.5MHz	Frequency 1900MHz
30M	DFT-s-OFDM QPSK	1	1	23.67	23.55	23.61

BW	MCS Index	RB Size	RB Offset	Low CH 374000	Mid CH 376500	High CH 379000
				Frequency 1870MHz	Frequency 1882.5MHz	Frequency 1895MHz
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.59	23.68	23.71
		1	108	23.41	23.46	23.48
		1	214	23.65	23.68	23.64
		108	0	22.70	22.59	22.69
		108	54	23.62	23.60	23.66
		108	108	22.75	22.72	22.71
		216	0	22.67	22.65	22.69
	DFT-s-OFDM QPSK	1	1	23.60	23.64	23.79
		1	108	23.45	23.50	23.49
		1	214	23.66	23.73	23.74
		108	0	22.67	22.61	22.76
		108	54	23.62	23.68	23.64
		108	108	22.77	22.60	22.69
		216	0	22.69	22.65	22.66
	DFT-s-OFDM 16QAM	1	1	22.96	23.05	23.10
	DFT-s-OFDM 64QAM	1	1	21.02	21.01	21.05
	DFT-s-OFDM 256QAM	1	1	18.89	18.95	19.05



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N66

BW	MCS Index	RB Size	RB Offset	Low CH 342500	Mid CH 349000	High CH 355500
				Frequency 1712.5MHz	Frequency 1745MHz	Frequency 1777.5MHz
5M	CP-OFDM QPSK	1	1	21.89	21.87	21.93

BW	MCS Index	RB Size	RB Offset	Low CH 343000	Mid CH 349000	High CH 355000
				Frequency 1715MHz	Frequency 1745MHz	Frequency 1775MHz
10M	CP-OFDM QPSK	1	1	22.00	21.96	21.99

BW	MCS Index	RB Size	RB Offset	Low CH 343500	Mid CH 349000	High CH 354500
				Frequency 1717.5MHz	Frequency 1745MHz	Frequency 1772.5MHz
15M	CP-OFDM QPSK	1	1	21.92	21.95	21.89

BW	MCS Index	RB Size	RB Offset	Low CH 344000	Mid CH 349000	High CH 354000
				Frequency 1720MHz	Frequency 1745MHz	Frequency 1770MHz
20M	CP-OFDM QPSK	1	1	22.08	22.02	21.97

BW	MCS Index	RB Size	RB Offset	Low CH 345000	Mid CH 349000	High CH 353000
				Frequency 1725MHz	Frequency 1745MHz	Frequency 1765MHz
30M	CP-OFDM QPSK	1	1	22.16	22.10	22.17

BW	MCS Index	RB Size	RB Offset	Low CH 346000	Mid CH 349000	High CH 352000
				Frequency 1730MHz	Frequency 1745MHz	Frequency 1760MHz
40M	CP-OFDM QPSK	1	1	22.04	21.95	21.98

BW	MCS Index	RB Size	RB Offset	Low CH 342500	Mid CH 349000	High CH 355500
				Frequency 1712.5MHz	Frequency 1745MHz	Frequency 1777.5MHz
5M	DFT-s-OFDM QPSK	1	1	23.40	23.44	23.46

BW	MCS Index	RB Size	RB Offset	Low CH 343000	Mid CH 349000	High CH 355000
				Frequency 1715MHz	Frequency 1745MHz	Frequency 1775MHz
10M	DFT-s-OFDM QPSK	1	1	23.47	23.46	23.53

BW	MCS Index	RB Size	RB Offset	Low CH 343500	Mid CH 349000	High CH 354500
				Frequency 1717.5MHz	Frequency 1745MHz	Frequency 1772.5MHz
15M	DFT-s-OFDM QPSK	1	1	23.43	23.49	23.47

BW	MCS Index	RB Size	RB Offset	Low CH 344000	Mid CH 349000	High CH 354000
				Frequency 1720MHz	Frequency 1745MHz	Frequency 1770MHz
20M	DFT-s-OFDM QPSK	1	1	23.51	23.43	23.45

BW	MCS Index	RB Size	RB Offset	Low CH 345000	Mid CH 349000	High CH 353000
				Frequency 1725MHz	Frequency 1745MHz	Frequency 1765MHz
30M	DFT-s-OFDM QPSK	1	1	23.62	23.62	23.67

BW	MCS Index	RB Size	RB Offset	Low CH 346000	Mid CH 349000	High CH 352000
				Frequency 1730MHz	Frequency 1745MHz	Frequency 1760MHz
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.45	23.41	23.53
		1	108	23.43	23.59	23.51
		1	214	23.50	23.64	23.66
		108	0	22.63	22.74	22.64
		108	54	23.62	23.70	23.65
		108	108	22.72	22.80	22.74
		216	0	22.65	22.74	22.67
	DFT-s-OFDM QPSK	1	1	23.49	23.58	23.74
		1	108	23.46	23.56	23.55
		1	214	23.48	23.54	23.67
		108	0	22.61	22.71	22.67
		108	54	23.67	23.73	23.71
		108	108	22.75	22.79	22.77
		216	0	22.79	22.75	22.88
	DFT-s-OFDM 16QAM	1	1	22.86	22.85	22.95
	DFT-s-OFDM 64QAM	1	1	20.68	20.75	20.83
	DFT-s-OFDM 256QAM	1	1	18.90	18.92	18.87



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N71

BW	MCS Index	RB Size	RB Offset	Low CH 133100	Mid CH 136100	High CH 139100
				Frequency 665.5 MHz	Frequency 680.5 MHz	Frequency 695.5 MHz
5M	CP-OFDM QPSK	1	1	21.88	21.67	21.51

BW	MCS Index	RB Size	RB Offset	Low CH 133600	Mid CH 136100	High CH 138600
				Frequency 668 MHz	Frequency 680.5 MHz	Frequency 693 MHz
10M	CP-OFDM QPSK	1	1	21.80	21.55	21.52

BW	MCS Index	RB Size	RB Offset	Low CH 134100	Mid CH 136100	High CH 138100
				Frequency 670.5 MHz	Frequency 680.5 MHz	Frequency 690.5 MHz
15M	CP-OFDM QPSK	1	1	21.96	21.82	21.57

BW	MCS Index	RB Size	RB Offset	Low CH 134600	Mid CH 136100	High CH 137600
				Frequency 673 MHz	Frequency 680.5 MHz	Frequency 688MHz
20M	CP-OFDM QPSK	1	1	21.94	21.83	21.66

BW	MCS Index	RB Size	RB Offset	Low CH 133100	Mid CH 136100	High CH 139100
				Frequency 665.5 MHz	Frequency 680.5 MHz	Frequency 695.5 MHz
5M	DFT-s-OFDM QPSK	1	1	23.35	23.21	23.10

BW	MCS Index	RB Size	RB Offset	Low CH 133600	Mid CH 136100	High CH 138600
				Frequency 668 MHz	Frequency 680.5 MHz	Frequency 693 MHz
10M	DFT-s-OFDM QPSK	1	1	23.38	23.13	22.96

BW	MCS Index	RB Size	RB Offset	Low CH 134100	Mid CH 136100	High CH 138100
				Frequency 670.5 MHz	Frequency 680.5 MHz	Frequency 690.5 MHz
15M	DFT-s-OFDM QPSK	1	1	23.45	23.32	23.09

BW	MCS Index	RB Size	RB Offset	Low CH 134600	Mid CH 136100	High CH 137600
				Frequency 673 MHz	Frequency 680.5 MHz	Frequency 688MHz
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.31	23.21
		1	37	23.22	23.01	22.95
		1	74	22.93	22.88	23.00
		36	0	22.52	22.33	22.11
		36	19	23.42	23.23	23.16
		36	39	22.22	22.10	22.15
		75	0	22.36	22.21	22.16
	DFT-s-OFDM QPSK	1	1	23.46	23.28	23.20
		1	37	23.23	23.03	22.97
		1	74	22.96	22.92	22.98
		36	0	22.55	22.35	22.13
		36	19	23.41	23.21	23.20
		36	39	22.27	22.11	22.09
		75	0	22.37	22.20	22.17
	DFT-s-OFDM 16QAM	1	1	22.80	22.70	22.58
	DFT-s-OFDM 64QAM	1	1	20.68	20.55	20.47
	DFT-s-OFDM 256QAM	1	1	18.81	18.70	18.50



**BUREAU
VERITAS**

Test Report No.: PSU-QSU2307030110R10

N78(Part 27Q)

BW	MCS Index	RB Size	RB Offset	Low CH 630668	Mid CH 633334	High CH 636000
				Frequency 3460.02MHz	Frequency 3500.01MHz	Frequency 3540MHz
20M	CP-OFDM QPSK	1	1	23.09	23.07	23.34

BW	MCS Index	RB Size	RB Offset	Low CH 631002	Mid CH 633334	High CH 635664
				Frequency 3465.03MHz	Frequency 3500.01MHz	Frequency 3534.96MHz
30M	CP-OFDM QPSK	1	1	23.25	23.18	23.35

BW	MCS Index	RB Size	RB Offset	Low CH 631334	Mid CH 633334	High CH 635332
				Frequency 3470.01MHz	Frequency 3500.01MHz	Frequency 3529.98MHz
40M	CP-OFDM QPSK	1	1	23.22	23.24	23.37

BW	MCS Index	RB Size	RB Offset	Low CH 631668	Mid CH 633334	High CH 634998
				Frequency 3475.02MHz	Frequency 3500.01MHz	Frequency 3524.97MHz
50M	CP-OFDM QPSK	1	1	22.76	22.78	22.82

BW	MCS Index	RB Size	RB Offset	Low CH 632000	Mid CH 633334	High CH 634666
				Frequency 3480MHz	Frequency 3500.01MHz	Frequency 3519.99MHz
60M	CP-OFDM QPSK	1	1	22.63	22.89	23.07

BW	MCS Index	RB Size	RB Offset	Low CH 632668	Mid CH 633334	High CH 634000
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
80M	CP-OFDM QPSK	1	1	22.70	22.81	22.77

BW	MCS Index	RB Size	RB Offset	Low CH 633300	Mid CH 633334	High CH 633666
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
90M	CP-OFDM QPSK	1	1	23.11	22.74	22.68

BW	MCS Index	RB Size	RB Offset	/	Mid CH 633334	/
				/	Frequency 3500.01MHz	/
100M	CP-OFDM QPSK	1	1	/	22.73	/

BW	MCS Index	RB Size	RB Offset	Low CH 630668	Mid CH 633334	High CH 636000
				Frequency 3460.02MHz	Frequency 3500.01MHz	Frequency 3540MHz
20M	DFT-s-OFDM QPSK	1	1	24.56	24.58	24.72

BW	MCS Index	RB Size	RB Offset	Low CH 631002	Mid CH 633334	High CH 635664
				Frequency 3465.03MHz	Frequency 3500.01MHz	Frequency 3534.96MHz
30M	DFT-s-OFDM QPSK	1	1	24.34	24.13	24.03

BW	MCS Index	RB Size	RB Offset	Low CH 631334	Mid CH 633334	High CH 635332
				Frequency 3470.01MHz	Frequency 3500.01MHz	Frequency 3529.98MHz
40M	DFT-s-OFDM QPSK	1	1	24.87	24.70	24.68

BW	MCS Index	RB Size	RB Offset	Low CH 631668	Mid CH 633334	High CH 634998
				Frequency 3475.02MHz	Frequency 3500.01MHz	Frequency 3524.97MHz
50M	DFT-s-OFDM QPSK	1	1	24.52	24.50	24.54

BW	MCS Index	RB Size	RB Offset	Low CH 632000	Mid CH 633334	High CH 634666
				Frequency 3480MHz	Frequency 3500.01MHz	Frequency 3519.99MHz
60M	DFT-s-OFDM QPSK	1	1	24.45	24.57	24.54

BW	MCS Index	RB Size	RB Offset	Low CH 632668	Mid CH 633334	High CH 634000
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
80M	DFT-s-OFDM QPSK	1	1	24.48	24.52	24.55

BW	MCS Index	RB Size	RB Offset	Low CH 633300	Mid CH 633334	High CH 633666
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
90M	DFT-s-OFDM QPSK	1	1	24.54	24.11	24.49

BW	MCS Index	RB Size	RB Offset	/	Mid CH 633334	/
				/	Frequency 3500.01MHz	/
100M	DFT-s-OFDM Pi/2 BPSK	1	1	/	23.61	/
		1	137	/	24.44	/
		1	271	/	24.71	/
		135	0	/	23.69	/
		135	69	/	24.61	/
		135	138	/	24.04	/
		270	0	/	23.76	/
	DFT-s-OFDM QPSK	1	1	/	24.72	/
		1	137	/	24.68	/
		1	271	/	24.69	/
		135	0	/	23.71	/
		135	69	/	24.70	/
		135	138	/	24.08	/
		270	0	/	23.84	/
	DFT-s-OFDM 16QAM	1	1	/	24.27	/
	DFT-s-OFDM 64QAM	1	1	/	22.21	/
	DFT-s-OFDM 256QAM	1	1	/	20.28	/



**BUREAU
VERITAS**

Test Report No.: PSU-QSU2307030110R10

N78(Part 270)

BW	MCS Index	RB Size	RB Offset	Low CH 647334	Mid CH 650000	High CH 652666
				Frequency 3710.01MHz	Frequency 3750MHz	Frequency 3789.99MHz
20M	CP-OFDM QPSK	1	1	22.64	22.32	22.03

BW	MCS Index	RB Size	RB Offset	Low CH 647670	Mid CH 650000	High CH 652332
				Frequency 3715.05MHz	Frequency 3750MHz	Frequency 3784.98MHz
30M	CP-OFDM QPSK	1	1	22.51	22.34	21.98

BW	MCS Index	RB Size	RB Offset	Low CH 648000	Mid CH 650000	High CH 652000
				Frequency 3720MHz	Frequency 3750MHz	Frequency 3960MHz
40M	CP-OFDM QPSK	1	1	22.47	22.25	21.89

BW	MCS Index	RB Size	RB Offset	Low CH 648334	Mid CH 650000	High CH 651666
				Frequency 3725.01MHz	Frequency 3750MHz	Frequency 3774.99MHz
50M	CP-OFDM QPSK	1	1	22.59	22.50	22.21

BW	MCS Index	RB Size	RB Offset	Low CH 648668	Mid CH 650000	High CH 650666
				Frequency 3730.02MHz	Frequency 3750MHz	Frequency 3774.99MHz
60M	CP-OFDM QPSK	1	1	22.62	22.18	22.61

BW	MCS Index	RB Size	RB Offset	Low CH 649334	Mid CH 650000	High CH 650666
				Frequency 3740.01MHz	Frequency 3750MHz	Frequency 3939.99MHz
80M	CP-OFDM QPSK	1	1	22.66	22.22	22.58

BW	MCS Index	RB Size	RB Offset	Low CH 649668	Mid CH 650000	High CH 650332
				Frequency 3745.02MHz	Frequency 3750MHz	Frequency 3754.98MHz
90M	CP-OFDM QPSK	1	1	22.60	22.62	22.57

BW	MCS Index	RB Size	RB Offset	/	Mid CH 650000	/
				/	Frequency 3750MHz	/
100M	CP-OFDM QPSK	1	1	/	22.06	/

BW	MCS Index	RB Size	RB Offset	Low CH 647334	Mid CH 650000	High CH 652666
				Frequency 3710.01MHz	Frequency 3750MHz	Frequency 3789.99MHz
20M	DFT-s-OFDM QPSK	1	1	24.06	23.41	23.48

BW	MCS Index	RB Size	RB Offset	Low CH 647670	Mid CH 650000	High CH 652332
				Frequency 3715.05MHz	Frequency 3750MHz	Frequency 3784.98MHz
30M	DFT-s-OFDM QPSK	1	1	24.01	23.84	23.50

BW	MCS Index	RB Size	RB Offset	Low CH 648000	Mid CH 650000	High CH 652000
				Frequency 3720MHz	Frequency 3750MHz	Frequency 3960MHz
40M	DFT-s-OFDM QPSK	1	1	23.99	23.83	23.43

BW	MCS Index	RB Size	RB Offset	Low CH 648334	Mid CH 650000	High CH 651666
				Frequency 3725.01MHz	Frequency 3750MHz	Frequency 3774.99MHz
50M	DFT-s-OFDM QPSK	1	1	23.98	23.92	23.64

BW	MCS Index	RB Size	RB Offset	Low CH 648668	Mid CH 650000	High CH 650666
				Frequency 3730.02MHz	Frequency 3750MHz	Frequency 3774.99MHz
60M	DFT-s-OFDM QPSK	1	1	23.96	23.41	23.76

BW	MCS Index	RB Size	RB Offset	Low CH 649334	Mid CH 650000	High CH 650666
				Frequency 3740.01MHz	Frequency 3750MHz	Frequency 3939.99MHz
80M	DFT-s-OFDM QPSK	1	1	23.92	23.45	23.85

BW	MCS Index	RB Size	RB Offset	Low CH 649668	Mid CH 650000	High CH 650332
				Frequency 3745.02MHz	Frequency 3750MHz	Frequency 3754.98MHz
90M	DFT-s-OFDM QPSK	1	1	23.90	23.87	23.86

BW	MCS Index	RB Size	RB Offset	/	Mid CH 650000	/
				/	Frequency 3750MHz	/
100M	DFT-s-OFDM Pi/2 BPSK	1	1	/	23.36	/
		1	137	/	23.23	/
		1	271	/	22.88	/
		135	0	/	22.95	/
		135	69	/	23.21	/
		135	138	/	22.59	/
		270	0	/	22.48	/
	DFT-s-OFDM QPSK	1	1	/	23.48	/
		1	137	/	23.21	/
		1	271	/	23.11	/
		135	0	/	22.81	/
		135	69	/	23.24	/
		135	138	/	22.54	/
		270	0	/	22.58	/
	DFT-s-OFDM 16QAM	1	1	/	22.60	/
	DFT-s-OFDM 64QAM	1	1	/	20.68	/
	DFT-s-OFDM 256QAM	1	1	/	19.81	/



**BUREAU
VERITAS**

Test Report No.: PSU-QSU2307030110R10

DC_2A-n78A(Part 27Q)

BW	MCS Index	RB Size	RB Offset	Low CH 630668	Mid CH 633334	High CH 636000
				Frequency 3460.02MHz	Frequency 3500.01MHz	Frequency 3540MHz
20M	CP-OFDM QPSK	1	1	22.85	22.76	23.11

BW	MCS Index	RB Size	RB Offset	Low CH 631002	Mid CH 633334	High CH 635664
				Frequency 3465.03MHz	Frequency 3500.01MHz	Frequency 3534.96MHz
30M	CP-OFDM QPSK	1	1	22.93	22.68	22.99

BW	MCS Index	RB Size	RB Offset	Low CH 631334	Mid CH 633334	High CH 635332
				Frequency 3470.01MHz	Frequency 3500.01MHz	Frequency 3529.98MHz
40M	CP-OFDM QPSK	1	1	23.07	22.78	22.89

BW	MCS Index	RB Size	RB Offset	Low CH 631668	Mid CH 633334	High CH 634998
				Frequency 3475.02MHz	Frequency 3500.01MHz	Frequency 3524.97MHz
50M	CP-OFDM QPSK	1	1	22.84	22.09	22.63

BW	MCS Index	RB Size	RB Offset	Low CH 632000	Mid CH 633334	High CH 634666
				Frequency 3480MHz	Frequency 3500.01MHz	Frequency 3519.99MHz
60M	CP-OFDM QPSK	1	1	22.86	22.58	22.57

BW	MCS Index	RB Size	RB Offset	Low CH 632668	Mid CH 633334	High CH 634000
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
80M	CP-OFDM QPSK	1	1	22.83	22.49	22.71

BW	MCS Index	RB Size	RB Offset	Low CH 633300	Mid CH 633334	High CH 633666
				Frequency 3495MHz	Frequency 3500.01MHz	Frequency 3504.99MHz
90M	CP-OFDM QPSK	1	1	22.88	22.65	22.84

BW	MCS Index	RB Size	RB Offset	/	Mid CH 633334	/
				/	Frequency 3500.01MHz	/
100M	CP-OFDM QPSK	1	1	/	22.51	/

BW	MCS Index	RB Size	RB Offset	Low CH 630668	Mid CH 633334	High CH 636000
				Frequency 3460.02MHz	Frequency 3500.01MHz	Frequency 3540MHz
20M	DFT-s-OFDM QPSK	1	1	22.79	22.58	23.02

BW	MCS Index	RB Size	RB Offset	Low CH 631002	Mid CH 633334	High CH 635664
				Frequency 3465.03MHz	Frequency 3500.01MHz	Frequency 3534.96MHz
30M	DFT-s-OFDM QPSK	1	1	22.89	22.63	23.01

BW	MCS Index	RB Size	RB Offset	Low CH 631334	Mid CH 633334	High CH 635332
				Frequency 3470.01MHz	Frequency 3500.01MHz	Frequency 3529.98MHz
40M	DFT-s-OFDM QPSK	1	1	22.99	22.71	22.83

BW	MCS Index	RB Size	RB Offset	Low CH 631668	Mid CH 633334	High CH 634998
				Frequency 3475.02MHz	Frequency 3500.01MHz	Frequency 3524.97MHz
50M	DFT-s-OFDM QPSK	1	1	22.73	22.05	22.52

BW	MCS Index	RB Size	RB Offset	Low CH 632000	Mid CH 633334	High CH 634666
				Frequency 3480MHz	Frequency 3500.01MHz	Frequency 3519.99MHz
60M	DFT-s-OFDM QPSK	1	1	22.91	22.73	22.57

BW	MCS Index	RB Size	RB Offset	Low CH 632668	Mid CH 633334	High CH 634000
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
80M	DFT-s-OFDM QPSK	1	1	22.89	22.81	22.67

BW	MCS Index	RB Size	RB Offset	Low CH 633300	Mid CH 633334	High CH 633666
				Frequency 3495MHz	Frequency 3500.01MHz	Frequency 3510MHz
90M	DFT-s-OFDM QPSK	1	1	22.99	22.95	22.86

BW	MCS Index	RB Size	RB Offset	/	Mid CH 633334	/
				/	Frequency 3500.01MHz	/
100M	DFT-s-OFDM Pi/2 BPSK	1	1	/	22.98	/
		1	137	/	22.67	/
		1	271	/	23.11	/
		135	0	/	22.76	/
		135	69	/	22.80	/
		135	138	/	23.05	/
		270	0	/	22.92	/
	DFT-s-OFDM QPSK	1	1	/	23.12	/
		1	137	/	22.73	/
		1	271	/	23.08	/
		135	0	/	22.77	/
		135	69	/	22.81	/
		135	138	/	23.08	/
		270	0	/	22.91	/
	DFT-s-OFDM 16QAM	1	1	/	22.94	/
	DFT-s-OFDM 64QAM	1	1	/	21.74	/
	DFT-s-OFDM 256QAM	1	1	/	20.47	/



**BUREAU
VERITAS**

Test Report No.: PSU-QSU2307030110R10

DC_2A-n78A(Part 270)

BW	MCS Index	RB Size	RB Offset	Low CH 647334	Mid CH 650000	High CH 652666
				Frequency 3710.01MHz	Frequency 3750MHz	Frequency 3789.99MHz
20M	CP-OFDM QPSK	1	1	22.75	22.56	22.14

BW	MCS Index	RB Size	RB Offset	Low CH 647670	Mid CH 650000	High CH 652332
				Frequency 3715.05MHz	Frequency 3750MHz	Frequency 3784.98MHz
30M	CP-OFDM QPSK	1	1	22.65	22.27	22.47

BW	MCS Index	RB Size	RB Offset	Low CH 648000	Mid CH 650000	High CH 652000
				Frequency 3720MHz	Frequency 3750MHz	Frequency 3780MHz
40M	CP-OFDM QPSK	1	1	22.09	22.21	22.33

BW	MCS Index	RB Size	RB Offset	Low CH 648334	Mid CH 650000	High CH 651666
				Frequency 3725.01MHz	Frequency 3750MHz	Frequency 3774.99MHz
50M	CP-OFDM QPSK	1	1	22.70	22.16	22.57

BW	MCS Index	RB Size	RB Offset	Low CH 648668	Mid CH 650000	High CH 651332
				Frequency 3725.01MHz	Frequency 3750MHz	Frequency 3774.99MHz
60M	CP-OFDM QPSK	1	1	22.69	22.20	22.63

BW	MCS Index	RB Size	RB Offset	Low CH 649334	Mid CH 650000	High CH 650666
				Frequency 3740.01MHz	Frequency 3750MHz	Frequency 3759.99MHz
80M	CP-OFDM QPSK	1	1	22.75	22.35	22.78

BW	MCS Index	RB Size	RB Offset	Low CH 649668	Mid CH 650000	High CH 650332
				Frequency 3745.02MHz	Frequency 3750MHz	Frequency 3754.98MHz
90M	CP-OFDM QPSK	1	1	22.71	22.31	22.77

BW	MCS Index	RB Size	RB Offset	/	Mid CH 650000	/
				/	Frequency 3750MHz	/
100M	CP-OFDM QPSK	1	1	/	22.29	/

BW	MCS Index	RB Size	RB Offset	Low CH 647334	Mid CH 650000	High CH 652666
				Frequency 3710.01MHz	Frequency 3750MHz	Frequency 3789.99MHz
20M	DFT-s-OFDM QPSK	1	1	23.23	23.39	23.48

BW	MCS Index	RB Size	RB Offset	Low CH 647670	Mid CH 650000	High CH 652332
				Frequency 3715.05MHz	Frequency 3750MHz	Frequency 3784.98MHz
30M	DFT-s-OFDM QPSK	1	1	23.19	23.36	23.51

BW	MCS Index	RB Size	RB Offset	Low CH 648000	Mid CH 650000	High CH 652000
				Frequency 3720MHz	Frequency 3750MHz	Frequency 3780MHz
40M	DFT-s-OFDM QPSK	1	1	23.28	23.44	23.51

BW	MCS Index	RB Size	RB Offset	Low CH 648334	Mid CH 650000	High CH 651666
				Frequency 3725.01MHz	Frequency 3750MHz	Frequency 3774.99MHz
50M	DFT-s-OFDM QPSK	1	1	23.16	23.29	23.37

BW	MCS Index	RB Size	RB Offset	Low CH 648668	Mid CH 650000	High CH 651332
				Frequency 3725.01MHz	Frequency 3750MHz	Frequency 3774.99MHz
60M	DFT-s-OFDM QPSK	1	1	23.21	23.41	23.39

BW	MCS Index	RB Size	RB Offset	Low CH 649334	Mid CH 650000	High CH 650666
				Frequency 3740.01MHz	Frequency 3750MHz	Frequency 3759.99MHz
80M	DFT-s-OFDM QPSK	1	1	23.22	23.24	23.35

BW	MCS Index	RB Size	RB Offset	Low CH 649668	Mid CH 650000	High CH 650332
				Frequency 3745.02MHz	Frequency 3750MHz	Frequency 3754.98MHz
90M	DFT-s-OFDM QPSK	1	1	23.29	23.26	23.27

BW	MCS Index	RB Size	RB Offset	/	Mid CH 650000	/
				/	Frequency 3750MHz	/
100M	DFT-s-OFDM Pi/2 BPSK	1	1	/	23.32	/
		1	137	/	23.34	/
		1	271	/	23.51	/
		135	0	/	23.38	/
		135	69	/	23.40	/
		135	138	/	23.16	/
		270	0	/	23.06	/
	DFT-s-OFDM QPSK	1	1	/	23.52	/
		1	137	/	23.34	/
		1	271	/	23.50	/
		135	0	/	23.40	/
		135	69	/	23.39	/
		135	138	/	23.14	/
		270	0	/	23.08	/
	DFT-s-OFDM 16QAM	1	1	/	23.21	/
	DFT-s-OFDM 64QAM	1	1	/	21.72	/
	DFT-s-OFDM 256QAM	1	1	/	20.76	/



**BUREAU
VERITAS**

Test Report No.: PSU-QSU2307030110R10

DC_5A-n78A(Part 27Q)

BW	MCS Index	RB Size	RB Offset	Low CH 630668	Mid CH 633334	High CH 636000
				Frequency 3460.02MHz	Frequency 3500.01MHz	Frequency 3540MHz
20M	CP-OFDM QPSK	1	1	22.87	22.72	23.03

BW	MCS Index	RB Size	RB Offset	Low CH 631002	Mid CH 633334	High CH 635664
				Frequency 3465.03MHz	Frequency 3500.01MHz	Frequency 3534.96MHz
30M	CP-OFDM QPSK	1	1	22.89	22.68	23.03

BW	MCS Index	RB Size	RB Offset	Low CH 631334	Mid CH 633334	High CH 635332
				Frequency 3470.01MHz	Frequency 3500.01MHz	Frequency 3529.98MHz
40M	CP-OFDM QPSK	1	1	23.04	22.82	22.94

BW	MCS Index	RB Size	RB Offset	Low CH 631668	Mid CH 633334	High CH 634998
				Frequency 3475.02MHz	Frequency 3500.01MHz	Frequency 3524.97MHz
50M	CP-OFDM QPSK	1	1	22.77	22.55	22.59

BW	MCS Index	RB Size	RB Offset	Low CH 632000	Mid CH 633334	High CH 634666
				Frequency 3480MHz	Frequency 3500.01MHz	Frequency 3519.99MHz
60M	CP-OFDM QPSK	1	1	22.79	22.66	22.71

BW	MCS Index	RB Size	RB Offset	Low CH 632668	Mid CH 633334	High CH 634000
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
80M	CP-OFDM QPSK	1	1	22.87	22.53	22.72

BW	MCS Index	RB Size	RB Offset	Low CH 633300	Mid CH 633334	High CH 633666
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
90M	CP-OFDM QPSK	1	1	22.84	22.56	22.81

BW	MCS Index	RB Size	RB Offset	/	Mid CH 633334	/
				/	Frequency 3500.01MHz	/
100M	CP-OFDM QPSK	1	1	/	22.53	/

BW	MCS Index	RB Size	RB Offset	Low CH 630668	Mid CH 633334	High CH 636000
				Frequency 3460.02MHz	Frequency 3500.01MHz	Frequency 3540MHz
20M	DFT-s-OFDM QPSK	1	1	22.78	22.57	22.98

BW	MCS Index	RB Size	RB Offset	Low CH 631002	Mid CH 633334	High CH 635664
				Frequency 3465.03MHz	Frequency 3500.01MHz	Frequency 3534.96MHz
30M	DFT-s-OFDM QPSK	1	1	22.81	22.62	22.89

BW	MCS Index	RB Size	RB Offset	Low CH 631334	Mid CH 633334	High CH 635332
				Frequency 3470.01MHz	Frequency 3500.01MHz	Frequency 3529.98MHz
40M	DFT-s-OFDM QPSK	1	1	22.91	22.72	22.78

BW	MCS Index	RB Size	RB Offset	Low CH 631668	Mid CH 633334	High CH 634998
				Frequency 3475.02MHz	Frequency 3500.01MHz	Frequency 3524.97MHz
50M	DFT-s-OFDM QPSK	1	1	22.63	22.49	22.52

BW	MCS Index	RB Size	RB Offset	Low CH 632000	Mid CH 633334	High CH 634666
				Frequency 3480MHz	Frequency 3500.01MHz	Frequency 3519.99MHz
60M	DFT-s-OFDM QPSK	1	1	22.77	22.69	22.53

BW	MCS Index	RB Size	RB Offset	Low CH 632668	Mid CH 633334	High CH 634000
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
80M	DFT-s-OFDM QPSK	1	1	22.70	22.75	22.67

BW	MCS Index	RB Size	RB Offset	Low CH 633300	Mid CH 633334	High CH 633666
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
90M	DFT-s-OFDM QPSK	1	1	22.80	22.81	22.78

BW	MCS Index	RB Size	RB Offset	/	Mid CH 633334	/
				/	Frequency 3500.01MHz	/
100M	DFT-s-OFDM Pi/2 BPSK	1	1	/	22.83	/
		1	137	/	22.54	/
		1	271	/	23.07	/
		135	0	/	22.67	/
		135	69	/	22.70	/
		135	138	/	22.95	/
		270	0	/	22.84	/
	DFT-s-OFDM QPSK	1	1	/	23.10	/
		1	137	/	22.51	/
		1	271	/	23.05	/
		135	0	/	22.72	/
		135	69	/	22.71	/
		135	138	/	22.99	/
		270	0	/	22.79	/
	DFT-s-OFDM 16QAM	1	1	/	22.79	/
	DFT-s-OFDM 64QAM	1	1	/	21.00	/
	DFT-s-OFDM 256QAM	1	1	/	19.96	/



**BUREAU
VERITAS**

Test Report No.: PSU-QSU2307030110R10

DC_5A-n78A(Part 270)

BW	MCS Index	RB Size	RB Offset	Low CH 647334	Mid CH 650000	High CH 652666
				Frequency 3710.01MHz	Frequency 3750MHz	Frequency 3789.99MHz
20M	CP-OFDM QPSK	1	1	22.71	22.56	22.40

BW	MCS Index	RB Size	RB Offset	Low CH 647670	Mid CH 650000	High CH 652332
				Frequency 3715.05MHz	Frequency 3750MHz	Frequency 3784.98MHz
30M	CP-OFDM QPSK	1	1	22.68	22.22	22.45

BW	MCS Index	RB Size	RB Offset	Low CH 648000	Mid CH 650000	High CH 652000
				Frequency 3720MHz	Frequency 3750MHz	Frequency 3780MHz
40M	CP-OFDM QPSK	1	1	22.67	22.33	22.29

BW	MCS Index	RB Size	RB Offset	Low CH 648334	Mid CH 650000	High CH 651666
				Frequency 3725.01MHz	Frequency 3750MHz	Frequency 3774.99MHz
50M	CP-OFDM QPSK	1	1	22.65	22.34	22.63

BW	MCS Index	RB Size	RB Offset	Low CH 648668	Mid CH 650000	High CH 650666
				Frequency 3730.02MHz	Frequency 3750MHz	Frequency 3769.98MHz
60M	CP-OFDM QPSK	1	1	22.67	22.26	22.65

BW	MCS Index	RB Size	RB Offset	Low CH 649334	Mid CH 650000	High CH 650666
				Frequency 3740.01MHz	Frequency 3750MHz	Frequency 3939.99MHz
80M	CP-OFDM QPSK	1	1	22.72	22.35	22.77

BW	MCS Index	RB Size	RB Offset	Low CH 649668	Mid CH 650000	High CH 650332
				Frequency 3745.02MHz	Frequency 3750MHz	Frequency 3754.98MHz
90M	CP-OFDM QPSK	1	1	22.69	22.31	22.73

BW	MCS Index	RB Size	RB Offset	/	Mid CH 650000	/
				/	Frequency 3750MHz	/
100M	CP-OFDM QPSK	1	1	/	22.44	/

BW	MCS Index	RB Size	RB Offset	Low CH 647334	Mid CH 650000	High CH 652666
				Frequency 3710.01MHz	Frequency 3750MHz	Frequency 3789.99MHz
20M	DFT-s-OFDM QPSK	1	1	23.25	23.43	23.48

BW	MCS Index	RB Size	RB Offset	Low CH 647670	Mid CH 650000	High CH 652332
				Frequency 3715.05MHz	Frequency 3750MHz	Frequency 3784.98MHz
30M	DFT-s-OFDM QPSK	1	1	23.21	23.40	23.47

BW	MCS Index	RB Size	RB Offset	Low CH 648000	Mid CH 650000	High CH 652000
				Frequency 3720MHz	Frequency 3750MHz	Frequency 3780MHz
40M	DFT-s-OFDM QPSK	1	1	23.27	23.39	23.51

BW	MCS Index	RB Size	RB Offset	Low CH 648334	Mid CH 650000	High CH 651666
				Frequency 3725.01MHz	Frequency 3750MHz	Frequency 3774.99MHz
50M	DFT-s-OFDM QPSK	1	1	23.11	23.34	23.42

BW	MCS Index	RB Size	RB Offset	Low CH 648668	Mid CH 650000	High CH 650666
				Frequency 3730.02MHz	Frequency 3750MHz	Frequency 3769.98MHz
60M	DFT-s-OFDM QPSK	1	1	23.21	23.26	23.33

BW	MCS Index	RB Size	RB Offset	Low CH 649334	Mid CH 650000	High CH 650666
				Frequency 3740.01MHz	Frequency 3750MHz	Frequency 3939.99MHz
80M	DFT-s-OFDM QPSK	1	1	23.21	23.22	23.37

BW	MCS Index	RB Size	RB Offset	Low CH 649668	Mid CH 650000	High CH 650332
				Frequency 3745.02MHz	Frequency 3750MHz	Frequency 3754.98MHz
90M	DFT-s-OFDM QPSK	1	1	23.31	23.26	23.27

BW	MCS Index	RB Size	RB Offset	/	Mid CH 650000	/
				/	Frequency 3750MHz	/
100M	DFT-s-OFDM Pi/2 BPSK	1	1	/	23.28	/
		1	137	/	23.31	/
		1	271	/	23.52	/
		135	0	/	23.39	/
		135	69	/	23.41	/
		135	138	/	23.11	/
		270	0	/	23.16	/
	DFT-s-OFDM QPSK	1	1	/	23.53	/
		1	137	/	23.37	/
		1	271	/	23.45	/
		135	0	/	23.41	/
		135	69	/	23.45	/
		135	138	/	23.12	/
		270	0	/	23.04	/
	DFT-s-OFDM 16QAM	1	1	/	22.90	/
	DFT-s-OFDM 64QAM	1	1	/	21.03	/
	DFT-s-OFDM 256QAM	1	1	/	20.08	/



**BUREAU
VERITAS**

Test Report No.: PSU-QSU2307030110R10

DC_7A-n78A(Part 27Q)

BW	MCS Index	RB Size	RB Offset	Low CH 630668	Mid CH 633334	High CH 636000
				Frequency 3460.02MHz	Frequency 3500.01MHz	Frequency 3540MHz
20M	CP-OFDM QPSK	1	1	22.85	22.73	23.16

BW	MCS Index	RB Size	RB Offset	Low CH 631002	Mid CH 633334	High CH 635664
				Frequency 3465.03MHz	Frequency 3500.01MHz	Frequency 3534.96MHz
30M	CP-OFDM QPSK	1	1	22.97	22.67	23.08

BW	MCS Index	RB Size	RB Offset	Low CH 631334	Mid CH 633334	High CH 635332
				Frequency 3470.01MHz	Frequency 3500.01MHz	Frequency 3529.98MHz
40M	CP-OFDM QPSK	1	1	23.11	22.83	22.89

BW	MCS Index	RB Size	RB Offset	Low CH 631668	Mid CH 633334	High CH 634998
				Frequency 3475.02MHz	Frequency 3500.01MHz	Frequency 3524.97MHz
50M	CP-OFDM QPSK	1	1	22.84	22.62	22.63

BW	MCS Index	RB Size	RB Offset	Low CH 632000	Mid CH 633334	High CH 634666
				Frequency 3480MHz	Frequency 3500.01MHz	Frequency 3519.99MHz
60M	CP-OFDM QPSK	1	1	22.83	22.64	22.69

BW	MCS Index	RB Size	RB Offset	Low CH 632668	Mid CH 633334	High CH 634000
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
80M	CP-OFDM QPSK	1	22.46	22.83	22.52	22.75

BW	MCS Index	RB Size	RB Offset	Low CH 633300	Mid CH 633334	High CH 633666
				Frequency 3495MHz	Frequency 3500.01MHz	Frequency 3504.99MHz
90M	CP-OFDM QPSK	1	1	22.84	22.54	22.81

BW	MCS Index	RB Size	RB Offset	/	Mid CH 633334	/
				/	Frequency 3500.01MHz	/
100M	CP-OFDM QPSK	1	1	/	22.40	/

BW	MCS Index	RB Size	RB Offset	Low CH 630668	Mid CH 633334	High CH 636000
				Frequency 3460.02MHz	Frequency 3500.01MHz	Frequency 3540MHz
20M	DFT-s-OFDM QPSK	1	1	22.81	22.63	22.08

BW	MCS Index	RB Size	RB Offset	Low CH 631002	Mid CH 633334	High CH 635664
				Frequency 3465.03MHz	Frequency 3500.01MHz	Frequency 3534.96MHz
30M	DFT-s-OFDM QPSK	1	1	22.86	22.67	23.03

BW	MCS Index	RB Size	RB Offset	Low CH 631334	Mid CH 633334	High CH 635332
				Frequency 3470.01MHz	Frequency 3500.01MHz	Frequency 3529.98MHz
40M	DFT-s-OFDM QPSK	1	1	22.59	22.72	22.83

BW	MCS Index	RB Size	RB Offset	Low CH 631668	Mid CH 633334	High CH 634998
				Frequency 3475.02MHz	Frequency 3500.01MHz	Frequency 3524.97MHz
50M	DFT-s-OFDM QPSK	1	1	22.67	22.49	22.57

BW	MCS Index	RB Size	RB Offset	Low CH 632000	Mid CH 633334	High CH 634666
				Frequency 3480MHz	Frequency 3500.01MHz	Frequency 3519.99MHz
60M	DFT-s-OFDM QPSK	1	1	22.83	22.71	22.62

BW	MCS Index	RB Size	RB Offset	Low CH 632668	Mid CH 633334	High CH 634000
				Frequency 3490.02MHz	Frequency 3500.01MHz	Frequency 3510MHz
80M	DFT-s-OFDM QPSK	1	1	22.73	22.85	22.69