

FCC SAR EVALUATION REPORT

**In accordance with the requirements of
FCC 47 CFR Part 2(2.1093), ANSI/IEEE C95.1-1992 and
IEEE Std 1528-2013**

Product Name : Tablet

Trademark : OUKITEL

Model Name : RT10 Pro

Family Model : RT10 Pro, RT10 S, RT10 Plus, RT10
TITAN, RT10 Industry, Industry

FCC ID : 2ANMU-RT10

Report No. : S25063003403001

Prepared for

SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL
ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.
No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street,
Baoan District, Shenzhen, Guangdong, People's Republic of China

Tel. 0755-23200050 Website: <http://www.ntek.org.cn>

TEST RESULT CERTIFICATION

Applicant's name SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE,
GUANLAN, LONGHUA SHENZHEN, 518XXX China

Manufacturer's Name SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE,
GUANLAN, LONGHUA SHENZHEN, 518XXX China

Product description

Product name Tablet
Trademark OUKITEL
Model Name RT10 Pro
Family Model RT10 Pro, RT10 S, RT10 Plus, RT10 TITAN, RT10 Industry, Industry
FCC 47 CFR Part 2(2.1093);
ANSI/IEEE C95.1-1992

Standards IEEE Std 1528-2013;
Published RF exposure KDB procedures

This device described above has been tested by Shenzhen NTEK. In accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 and KDB 865664 D01. Testing has shown that this device is capable of compliance with localized specific absorption rate (SAR) specified in FCC 47 CFR Part 2(2.1093) and ANSI/IEEE C95.1-1992. The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

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Test Sample Number S250630034015

Date of Test

Date (s) of performance of tests: Jul. 10, 2025 ~ Jul. 19, 2025

Date of Issue: Spet.15, 2025

Test Result: **Pass**

Prepared By: Owen Xiao
Owen Xiao
(Project Engineer)

Reviewed By: Aaron Cheng
Aaron Cheng
(Supervisor)

Approved By: Alex Li
Alex Li
(Manager)

※ ※ Revision History ※ ※

REV.	DESCRIPTION	ISSUED DATE	REMARK
Rev.1.0	Initial Test Report Release	Spet.15, 2025	Owen Xiao

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1. General Information

1.1. RF exposure limits

(A).Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

(B).Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

NOTE: **Whole-Body SAR** is averaged over the entire body, **partial-body SAR** is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. **SAR for hands, wrists, feet and ankles** is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Occupational/Controlled Environments:

Are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

General Population/Uncontrolled Environments:

Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

NOTE
TRUNK LIMIT
1.6 W/kg
APPLIED TO THIS EUT

1.2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for RT10 Pro are as follows.

RF Exposure Conditions		Equipment Class -Highest Reported SAR (W/kg)				Max. Reported SAR (W/kg)
		PCE	DTS	NII	DSS	
1-g Body-Worn (Separation distance of 0mm)		0.795	0.335	0.227	0.149	0.795
1-g Hotspot (Separation distance of 0mm)		0.795	0.335	0.227	0.149	0.795
Max Simultaneous Tx	Body-Worn	1.130	1.130	1.022	0.944	1.130
	Hotspot	1.130	1.130	1.022	0.944	1.130

Note: The Max Simultaneous Tx is calculated based on the same configuration and test position. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR Part 2(2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 & KDB 865664 D01.

1.3. EUT Description

Device Information	
Product Name	Tablet
Trade Name	OUKITEL
Model Name	RT10 Pro
Family Model	RT10 Pro, RT10 S, RT10 Plus, RT10 TITAN, RT10 Industry, Industry
Model Difference	All the model are the same circuit and RF module, except the model names.
FCC ID	2ANMU-RT10
Device Phase	Identical Prototype
Exposure Category	General population / Uncontrolled environment
Antenna	PIFA Antenna
Battery	DC 3.87V, 25000mAh, 96.75Wh
Hardware version	N/A
Software version	V04
Device Operating Configurations	
Supporting Mode(s)	GSM 850/1900, WCDMA Band 2/4/5, LTE Band 2/4/5/7/12/17/25/26a/26b/66, 5G N78, WLAN 2.4G/5G, Bluetooth, NFC
Test Modulation	GSM(GMSK/8PSK), WCDMA(QPSK),LTE(QPSK/16QAM),

	NR(DFT-s-OFDM:PI/2BPSK/QPSK/16-QAM/64QAM/256QAMCP-OFDM :QPSK/16-QAM/64QAM/256QAM),NFC(ASK),WLAN(DSSS/OFDM), Bluetooth(GFSK, $\pi/4$ -DQPSK, 8DPSK)		
Device Class	B		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM 850	824-849	869-894
	GSM 1900	1850-1910	1930-1990
	WCDMA Band 2	1850-1910	1930-1990
	WCDMA Band 4	1710-1755	2110-2155
	WCDMA Band 5	824-849	869-894
	LTE Band 2	1850-1910	1930-1990
	LTE Band 4	1710-1755	2110-2155
	LTE Band 5	824-849	869-894
	LTE Band 7	2500-2570	2620-2690
	LTE Band 12	699-716	729-746
	LTE Band 17	704-716	734-746
	LTE Band 25	1850-1915	1930-1995
	LTE Band 26a	814-824	859-869
	LTE Band 26b	824-849	869-894
	LTE Band 66	2535-3655	
	N78	3450-3550	
	WLAN 2.4G	2412-2462	
	WLAN 5.2G	5180-5240	
	WLAN 5.3G	5260-5320	
	WLAN 5.8G	5745-5825	
	NFC	13.56MHz	
	Bluetooth	2402-2480	
GPRS Multislot Class(12)	Max Number of Timeslots in Uplink		4
	Max Number of Timeslots in Downlink		4
	Max Total Timeslot		5
EGPRS Multislot Class(12)	Max Number of Timeslots in Uplink		4
	Max Number of Timeslots in Downlink		4
	Max Total Timeslot		5
Power Class	4, tested with power level 5(GSM 850)		
	1, tested with power level 0(GSM 1900)		
	3, tested with power control "all 1"(WCDMA Band 2)		
	3, tested with power control "all 1"(WCDMA Band 4)		
	3, tested with power control "all 1"(WCDMA Band 5)		
	3, tested with power control all Max.(LTE Band 2)		

	3, tested with power control all Max.(LTE Band 4)
	3, tested with power control all Max.(LTE Band 5)
	3, tested with power control all Max.(LTE Band 7)
	3, tested with power control all Max.(LTE Band 12)
	3, tested with power control all Max.(LTE Band 17)
	3, tested with power control all Max.(LTE Band 25)
	3, tested with power control all Max.(LTE Band 26)
	3, tested with power control all Max.(LTE Band 66)

1.4. Test specification(s)

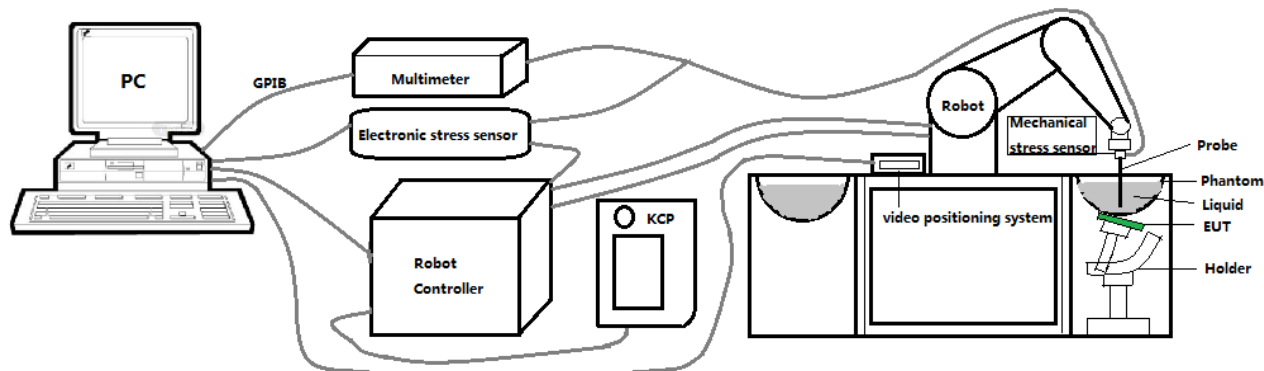
FCC 47 CFR Part 2(2.1093)
ANSI/IEEE C95.1-1992
IEEE Std 1528-2013
KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04;
KDB 865664 D02 RF Exposure Reporting v01r02;
KDB 447498 D01 General RF Exposure Guidance v06;
KDB 248227 D01 802.11 Wi-Fi SAR v02r02;
KDB 941225 D01 3G SAR Procedures v02r01;
KDB 941225 D05 SAR for LTE Devices v01r02;
KDB 616217 D04 SAR for laptop and tablets v01r02

1.5. Ambient Condition

Ambient temperature	20°C – 24°C
Relative Humidity	30% – 70%

2. SAR Measurement System

2.1. SATIMO SAR Measurement Set-up Diagram



These measurements were performed with the automated near-field scanning system OPENSAR from SATIMO. The system is based on a high precision robot (working range: 901 mm), which positions the probes with a positional repeatability of better than ± 0.03 mm. The SAR measurements were conducted with dosimetric probe (manufactured by SATIMO), designed in the classical triangular configuration and optimized for dosimetric evaluation.

The first step of the field measurement is the evaluation of the voltages induced on the probe by the device under test. Probe diode detectors are nonlinear. Below the diode compression point, the output voltage is proportional to the square of the applied E-field; above the diode compression point, it is linear to the applied E-field. The compression point depends on the diode, and a calibration procedure is necessary for each sensor of the probe.

The Keithley multimeter reads the voltage of each sensor and send these three values to the PC. The corresponding E field value is calculated using the probe calibration factors, which are stored in the working directory. This evaluation includes linearization of the diode characteristics. The field calculation is done separately for each sensor. Each component of the E field is displayed on the "Dipole Area Scan Interface" and the total E field is displayed on the "3D Interface"

2.2. Robot

The SATIMO SAR system uses the high precision robots from KUKA. For the 6-axis controller system, the robot controller version (KUKA) from KUKA is used. The KUKA robot series have many features that are important for our application:



- High precision (repeatability ± 0.03 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

2.3. E-Field Probe

This E-field detection probe is composed of three orthogonal dipoles linked to special Schottky diodes with low detection thresholds. The probe allows the measurement of electric fields in liquids such as the one defined in the IEEE and CENELEC standards.

For the measurements the Specific Dosimetric E-Field Probe 0725-EPGO-448 with following specifications is used



- Dynamic range: 0.01-100 W/kg
- Tip Diameter : 2.5 mm
- Distance between probe tip and sensor center: 1 mm
- Distance between sensor center and the inner phantom surface: 2 mm (repeatability better than ± 1 mm).
- Probe linearity: ± 0.08 dB
- Axial isotropy: ± 0.01 dB
- Hemispherical Isotropy: ± 0.01 dB
- Calibration range: 650MHz to 5900MHz for head & body simulating liquid.
- Lower detection limit: 8mW/kg

Angle between probe axis (evaluation axis) and surface normal line: less than 30° .

2.3.1. E-Field Probe Calibration

Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than $\pm 10\%$. The spherical isotropy shall be evaluated and within ± 0.25 dB. The sensitivity parameters (Norm X, Norm Y, and Norm Z), the diode compression parameter (DCP) and the conversion factor (Conv F) of the probe are tested. The calibration data can be referred to appendix D of this report.

2.4. SAM phantoms

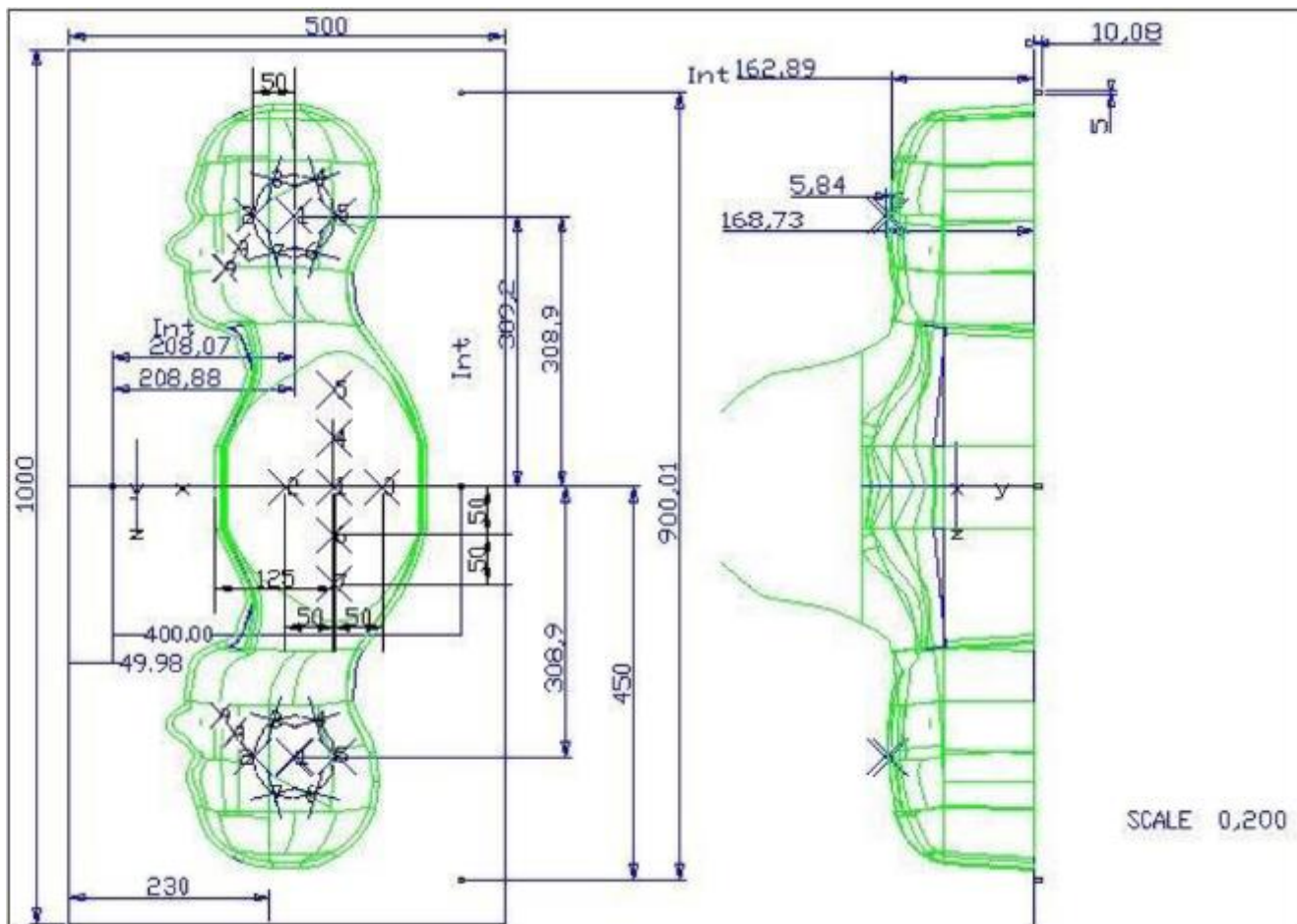
Photo of SAM phantom SN 16/15 SAM119



The SAM phantom is used to measure the SAR relative to people exposed to electro-magnetic field radiated by mobile phones.

2.4.1. Technical Data

Serial Number	Shell thickness	Filling volume	Dimensions	Positionner Material	Permittivity	Loss Tangent
SN 16/15 SAM119	2 mm ±0.2 mm	27 liters	Length:1000 mm Width:500 mm Height:200 mm	Gelcoat with fiberglass	3.4	0.02

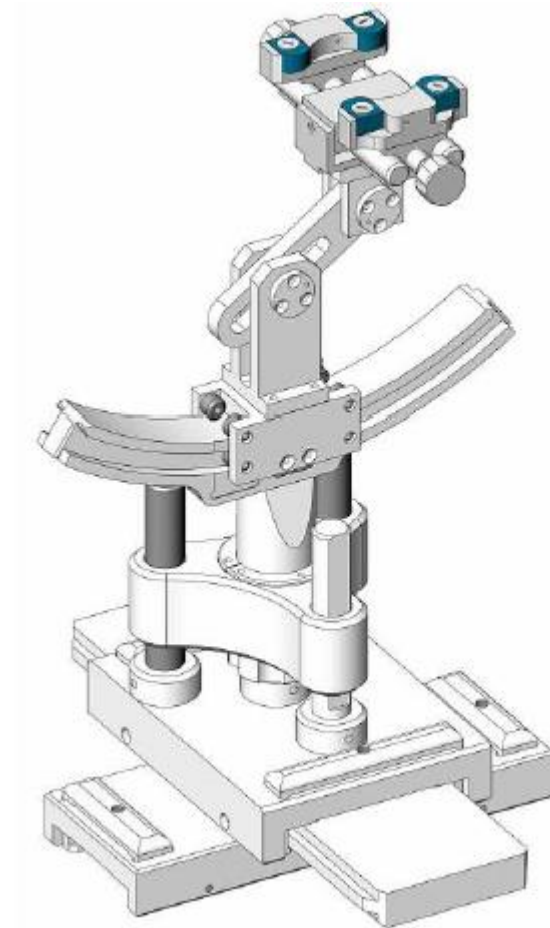


Serial Number	Left Head(mm)		Right Head(mm)		Flat Part(mm)	
SN 16/15 SAM119	2	2.02	2	2.08	1	2.09
	3	2.05	3	2.06	2	2.06
	4	2.07	4	2.07	3	2.08
	5	2.08	5	2.08	4	2.10
	6	2.05	6	2.07	5	2.10
	7	2.05	7	2.05	6	2.07
	8	2.07	8	2.06	7	2.07
	9	2.08	9	2.06	-	-

The test, based on ultrasonic system, allows measuring the thickness with an accuracy of 10 μm .

2.5. Device Holder

The positioning system allows obtaining cheek and tilting position with a very good accuracy. In compliance with CENELEC, the tilt angle uncertainty is lower than 1 degree.



Serial Number	Holder Material	Permittivity	Loss Tangent
SN 16/15 MSH100	Delrin	3.7	0.005

2.6. Test Equipment List

This table gives a complete overview of the SAR measurement equipment.

Devices used during the test described are marked ☒

	Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
					Last Cal.	Due Date
☒	MVG	E FIELD PROBE	SSE2	0725-EPGO-448	Apr. 15, 2025	Apr. 14, 2026
☒	MVG	750 MHz Dipole	SID750	SN 03/15 DIP 0G750-355	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	835 MHz Dipole	SID835	SN 03/15 DIP 0G835-347	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	900 MHz Dipole	SID900	SN 03/15 DIP 0G900-348	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1800 MHz Dipole	SID1800	SN 03/15 DIP 1G800-349	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1900 MHz Dipole	SID1900	SN 03/15 DIP 1G900-350	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	2000 MHz Dipole	SID2000	SN 03/15 DIP 2G000-351	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2450 MHz Dipole	SID2450	SN 03/15 DIP 2G450-352	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2600 MHz Dipole	SID2600	SN 03/15 DIP 2G600-356	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	3500 MHz Dipole	SID3500	SN 09/12 DIP 3G500-360	Oct. 15, 2022	Oct. 14, 2025
☒	MVG	5000 MHz Dipole	SWG5500	SN 13/14 WGA 33	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	Liquid measurement Kit	SCLMP	SN 21/15 OCPG 72	NCR	NCR
☒	MVG	Power Amplifier	N/A	AMPLISAR_28/14_003	NCR	NCR
☒	KEITHLEY	Millivoltmeter	2000	4072790	Nov. 29, 2024	Nov. 28, 2025
☒	R&S	Universal radio communication tester	CMU200	105747	Apr. 17, 2025	Apr. 16, 2026
☒	R&S	Wideband radio	CMW500	103917	May. 12, 2025	May. 11, 2026

		communication tester				
☐	Anritsu	4G LTE comprehensive tester	MT8821C	6262192315	July.17 2024	July.16 2025
☐	Anritsu	5G NR comprehensive tester	MT8000A	6262186364	July.17 2024	July.16 2025
☒	HP	Network Analyzer	E5071C	LPS-461	Oct. 15, 2024	Oct. 14, 2025
☒	Agilent	Calibration Kit	85033E	N/A	May. 31, 2024	May. 30, 2027
☒	Agilent	MXG Vector Signal Generator	N5182A	MY47070317	Apr. 17, 2025	Apr. 16, 2026
☒	Agilent	Power sensor	E9301A	LES-413-C	May. 6, 2025	May. 5, 2026
☒	Agilent	Power sensor	E9301A	US39212148	Apr. 17, 2025	Apr. 16, 2026
☒	MCLI/USA	Directional Coupler	CB11-20	0D2L51502	Apr. 26, 2024	Apr. 25, 2027
☒	N/A	Thermometer	N/A	LES-085	Mar. 27, 2023	Mar. 26, 2026
☒	MVG	SAM Phantom	SSM2	SN 16/15 SAM119	NCR	NCR
☒	MVG	Device Holder	SMPPD	SN 16/15 MSH100	NCR	NCR

Measurement Software

Manufacturer	Software Name	Software Version
SATIMO	OpenSAR	V5.3.15.11

3. SAR Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

- (a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- (b) Read the WWAN RF power level from the base station simulator.
- (c) For WLAN/Bluetooth power measurement, use engineering software to configure EUT WLAN/Bluetooth continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
- (d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/Bluetooth output power.

<SAR measurement>

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/Bluetooth continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix A demonstrates.
- (c) Set scan area, grid size and other setting on the OPENSAR software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band.
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg.

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

3.1. Power Reference

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

3.2. Area scan & Zoom scan

The area scan is a 2D scan to find the hot spot location on the DUT. The zoom scan is a 3D scan

above the hot spot to calculate the 1g and 10g SAR value.

Measurement of the SAR distribution with a grid of 8 to 16 mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8 * 4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

From the scanned SAR distribution, identify the position of the maximum SAR value, in addition identify the positions of any local maxima with SAR values within 2 dB of the maximum value that will not be within the zoom scan of other peaks; additional peaks shall be measured only when the primary peak is within 2 dB of the SAR compliance limit (e.g., 1 W/kg for 1,6 W/kg 1 g limit, or 1,26 W/kg for 2 W/kg, 10 g limit).

Area scan & Zoom scan scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

			$\leq 3\text{ GHz}$	$> 3\text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			$5 \pm 1\text{ mm}$	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5\text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$			$\leq 2\text{ GHz}: \leq 15\text{ mm}$ $2 - 3\text{ GHz}: \leq 12\text{ mm}$	$3 - 4\text{ GHz}: \leq 12\text{ mm}$ $4 - 6\text{ GHz}: \leq 10\text{ mm}$
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			$\leq 2\text{ GHz}: \leq 8\text{ mm}$ $2 - 3\text{ GHz}: \leq 5\text{ mm}^*$	$3 - 4\text{ GHz}: \leq 5\text{ mm}^*$ $4 - 6\text{ GHz}: \leq 4\text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		$\leq 5\text{ mm}$	$3 - 4\text{ GHz}: \leq 4\text{ mm}$ $4 - 5\text{ GHz}: \leq 3\text{ mm}$ $5 - 6\text{ GHz}: \leq 2\text{ mm}$
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	$\leq 4\text{ mm}$	$3 - 4\text{ GHz}: \leq 3\text{ mm}$ $4 - 5\text{ GHz}: \leq 2.5\text{ mm}$ $5 - 6\text{ GHz}: \leq 2\text{ mm}$
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		$\geq 30\text{ mm}$	$3 - 4\text{ GHz}: \geq 28\text{ mm}$ $4 - 5\text{ GHz}: \geq 25\text{ mm}$ $5 - 6\text{ GHz}: \geq 22\text{ mm}$
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is $\leq 1.4\text{ W/kg}$, $\leq 8\text{ mm}$, $\leq 7\text{ mm}$ and $\leq 5\text{ mm}$ zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

3.3. Description of interpolation/extrapolation scheme

The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimise measurements errors, but the highest local SAR will occur at the surface of the phantom.

An extrapolation is using to determinate this highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1 mm step.

The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR averaged over 10 grams and 1 gram requires a very fine resolution in the three dimensional scanned data array.

3.4. Volumetric Scan

The volumetric scan consists to a full 3D scan over a specific area. This 3D scan is useful form multi Tx SAR measurement. Indeed, it is possible with OpenSAR to add, point by point, several volumetric scan to calculate the SAR value of the combined measurement as it is define in the standard IEEE1528 and IEC62209.

3.5. Power Drift

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In OpenSAR measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in V/m. If the power drifts more than $\pm 5\%$, the SAR will be retested.

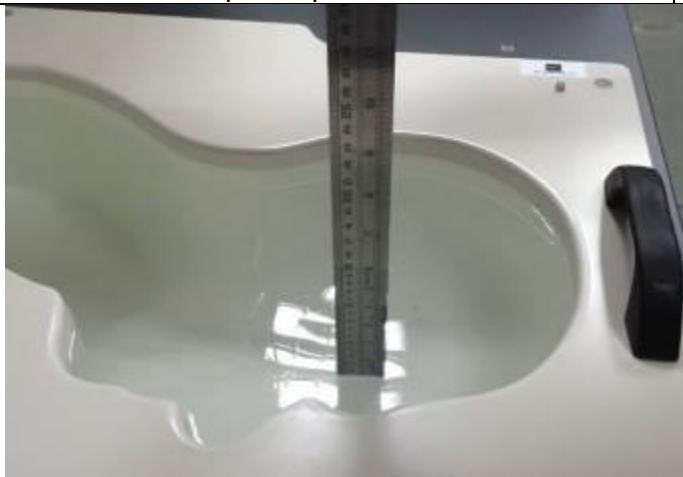
4. System Verification Procedure

4.1. Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Ingredients (% of weight)	Head Tissue								
Frequency Band (MHz)	750	835	900	1800	1900	2000	2450	2600	5000
Water	34.40	34.40	34.40	55.36	55.36	71.88	71.88	71.88	65.53
NaCl	0.79	0.79	0.79	0.35	0.35	0.16	0.16	0.16	0.00
1,2-Propanediol	64.81	64.81	64.81	0.00	0.00	0.00	0.00	0.00	0.00
Triton X-100	0.00	0.00	0.00	30.45	30.45	19.97	19.97	19.97	17.24
DGBE	0.00	0.00	0.00	13.84	13.84	7.99	7.99	7.99	0.00

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid depth from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm.

Photo of Liquid depth for Head Position	Photo of Liquid depth for Body Position
	

4.1.1. Tissue Dielectric Parameter Check Results

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine of the dielectric parameter are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within $\pm 5\%$ of the target values.

Tissue Type	Measured Frequency (MHz)	Target Tissue		Measured Tissue		Delta(%)		Liquid Temp.	Test Date
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)		
Head 750	750	41.90	0.89	40.65	0.89	-2.99	0.00	21.0 °C	Jul. 13, 2025
Head 835	835	41.50	0.90	42.21	0.93	1.72	3.33	21.1 °C	Jul. 14, 2025
Head 1800	1800	40.00	1.40	38.94	1.39	-2.65	-0.71	21.6 °C	Jul. 15, 2025
Head 1900	1900	40.00	1.40	38.33	1.44	-4.19	2.86	21.6 °C	Jul. 16, 2025
Head 2450	2450	39.20	1.80	38.47	1.85	-1.87	2.78	21.3 °C	Jul. 17, 2025
Head 2600	2600	39.01	1.96	39.42	1.96	1.06	0.00	21.6 °C	Jul. 18, 2025
Head 3500	3500	37.93	2.91	37.58	2.81	-0.93	-3.54	21.4 °C	Aug. 19, 2025
Head 5200	5200	36.00	4.66	37.29	4.56	3.59	-2.25	21.9 °C	Jul. 10, 2025
Head 5800	5800	35.30	5.27	35.90	5.10	1.69	-3.19	21.2 °C	Jul. 12, 2025

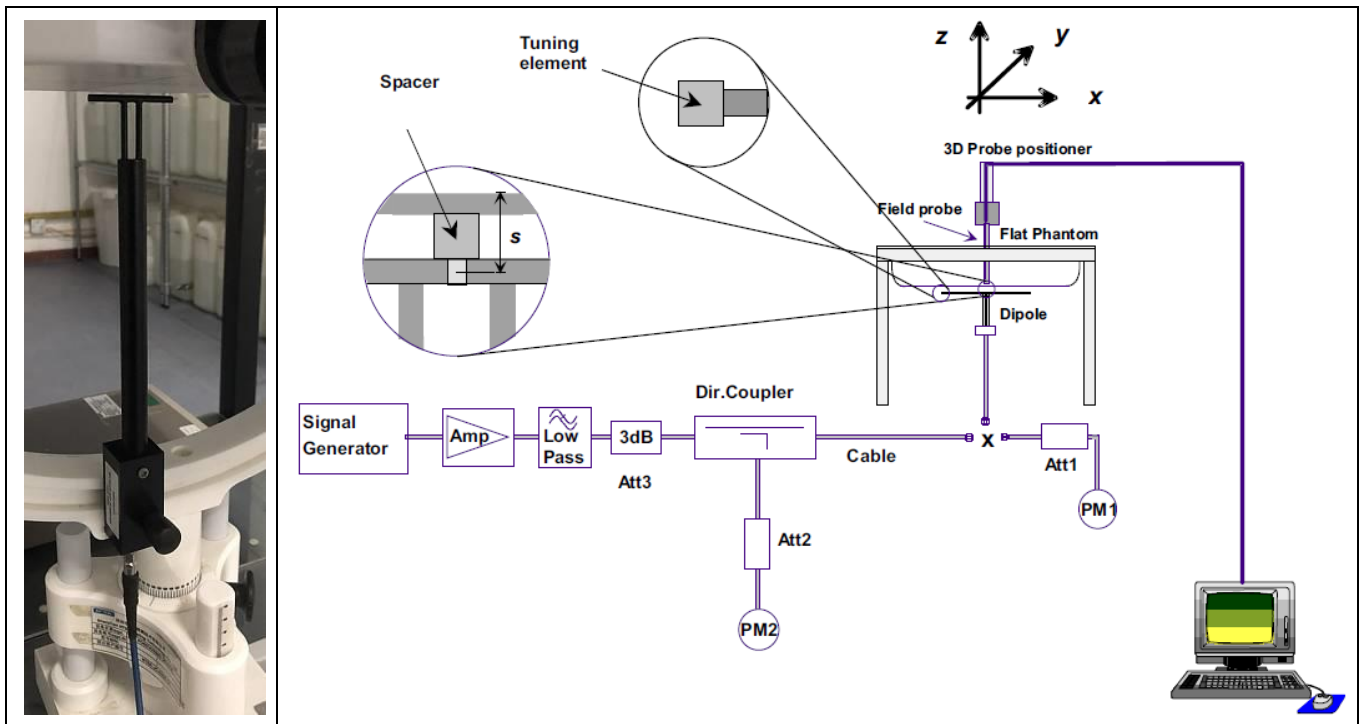
NOTE: 1.The dielectric parameters of the tissue-equivalent liquid should be measured under similar ambient conditions and within 2 °C of the conditions expected during the SAR evaluation to satisfy protocol requirements.

2. Tested by : Max Zhou , Jack Peng

4.2. System Verification Procedure

The system verification is performed for verifying the accuracy of the complete measurement system and performance of the software. The dipole is connected to the signal source consisting of signal generator and amplifier via a directional coupler, N-connector cable and adaption to SMA. To adjust this power a power meter is used. The power sensor is connected to the cable before the system verification to measure the power at this point and do adjustments at the signal generator. At the outputs of the directional coupler both return loss as well as forward power are controlled during the system verification to make sure that emitted power at the dipole is kept constant. This can also be checked by the power drift measurement after the test (result on plot).

The system verification is shown as below picture:



4.2.1. System Verification Results

Comparing to the original SAR value provided by SATIMO, the verification data should be within its specification of $\pm 10\%$. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance verification can meet the variation criterion and the plots can be referred to Appendix B of this report.

System Verification	Target SAR (1W)		Measured SAR			Measured SAR		Delta (%)		Liquid Temp.	Test Date
						(Normalized to 1W)					
	1-g (W/Kg)	10-g (W/Kg)	Input Power (mW)	1-g (W/Kg)	10-g (W/Kg)	1-g (W/Kg)	10-g (W/Kg)	1-g (%)	10-g (%)		
750MHz	8.60	5.78	100.00	0.87	0.55	8.70	5.48	1.16	-5.19	21.0 °C	Jul. 13, 2025
835MHz	9.40	6.28	100.00	1.01	0.60	10.09	6.02	7.34	-4.14	21.1 °C	Jul. 14, 2025
1800MHz	37.06	20.01	100.00	4.00	2.02	39.99	20.20	7.91	0.95	21.6 °C	Jul. 15, 2025
1900MHz	39.69	20.92	100.00	4.30	2.12	43.01	21.15	8.36	1.10	21.6 °C	Jul. 16, 2025
2450MHz	50.05	23.80	100.00	5.25	2.20	52.50	21.98	4.90	-7.65	21.3 °C	Jul. 17, 2025
2600MHz	54.16	24.85	100.00	5.52	2.38	55.21	23.83	1.94	-4.10	21.6 °C	Jul. 18, 2025
3500MHz	67.18	24.50	100.00	6.17	2.66	61.71	26.59	-8.14	8.53	21.4 °C	Aug. 19, 2025
5200MHz	162.59	56.21	10.00	1.65	0.62	165.00	61.80	1.48	9.94	21.9 °C	Jul. 10, 2025
5800MHz	182.20	61.32	10.00	1.79	0.60	179.00	59.80	-1.76	-2.48	21.2 °C	Jul. 12, 2025

NOTE: Tested by : Max Zhou, Jack Peng

5. SAR Measurement variability and uncertainty

5.1. SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

5.2. SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

6. RF Exposure Positions

6.1. Tablet host platform exposure conditions

Refer to KDB616217 D04, when the modular approach is used, transmitters and modules must be initially tested for standalone operations in generic host conditions according to the following minimum test separation distance and antenna installation requirements for incorporation in the tablet platform. The separation distance required for incorporation in qualified hosts is described in KDB 447498; item 5) of section 4.1 and item 1) of section 5.2.2 etc.

- ≤ 5 mm between the antenna and user for both back surface and edge exposure conditions
- the antennas used by the host must have been tested for equipment approval or qualify for SAR test exclusion
- the antenna polarization, physical orientation, rotation and installation configurations used by the host must have been tested for compliance or qualify for test exclusion
- when the *SAR Test Exclusion Threshold* in KDB 447498 applies, a *test separation distance* of 5 mm is required to determine test exclusion for the tablet platform

The antennas embedded in tablets are typically ≤ 5 mm from the outer housing. The required antenna to user test separation distance is a “not to exceed test” distance required to apply the modular approach. Instead of the typical zero gap tablet edge test requirement between the edge of a tablet and the user, when an antenna has been tested at ≤ 5 mm according to the modular approach it can be incorporated into tablets with at least twice the tested distance from the outer housing of the tablet edge; otherwise, the tablet edge zero gap test requirement applies. When the dedicated host approach is applied, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom.

7. RF Output Power

7.1. GSM Conducted Power

Band GSM850	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune - up (dBm)	128	189	251	Tune - up (dBm)	128	189	251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM (GMSK)	32.50	32.45	32.41	32.11	23.47	23.42	23.38	23.08
GPRS(GMSK,1 Tx slot)	32.50	32.42	32.38	32.07	23.47	23.39	23.35	23.04
GPRS(GMSK,2 Tx slot)	31.50	31.46	31.41	31.11	25.48	25.44	25.39	25.09
GPRS(GMSK,3 Tx slot)	29.50	29.39	29.36	29.10	25.24	25.13	25.10	24.84
GPRS(GMSK,4 Tx slot)	28.50	28.24	28.23	28.00	25.49	25.23	25.22	24.99
EGPRS(8PSK,1 Tx slot)	27.00	26.52	26.67	26.90	17.97	17.49	17.64	17.87
EGPRS(8PSK,2 Tx slot)	26.00	25.45	25.35	25.65	19.98	19.43	19.33	19.63
EGPRS(8PSK,3 Tx slot)	24.00	23.24	23.25	23.79	19.74	18.98	18.99	19.53
EGPRS(8PSK,4 Tx slot)	23.00	22.45	22.63	22.46	19.99	19.44	19.62	19.45
Band GSM1900	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune - up (dBm)	512	661	810	Tune - up (dBm)	512	661	810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM (GMSK)	29.00	28.79	28.86	28.75	19.97	19.76	19.83	19.72
GPRS(GMSK,1 Tx slot)	29.00	28.77	28.84	28.71	19.97	19.74	19.81	19.68
GPRS(GMSK,2 Tx slot)	28.00	27.81	27.91	27.78	21.98	21.79	21.89	21.76
GPRS(GMSK,3 Tx slot)	26.00	25.80	25.92	25.82	21.74	21.54	21.66	21.56
GPRS(GMSK,4 Tx slot)	25.00	24.72	24.87	24.77	21.99	21.71	21.86	21.76
EGPRS(8PSK,1 Tx slot)	25.50	25.19	25.30	24.94	16.47	16.16	16.27	15.91
EGPRS(8PSK,2 Tx slot)	25.00	24.28	24.58	24.51	18.98	18.26	18.56	18.49
EGPRS(8PSK,3 Tx slot)	22.50	21.71	22.13	21.84	18.24	17.45	17.87	17.58
EGPRS(8PSK,4 Tx slot)	21.00	20.15	20.57	20.23	17.99	17.14	17.56	17.22

Note: The frame-averaged power is linearly scaled the maximum burst averaged power over 8 time slots. The calculated method are shown as below:

Frame-averaged power = Maximum burst averaged power (1 Tx Slot) - 9.03 dB

Frame-averaged power = Maximum burst averaged power (2 Tx Slots) - 6.02 dB

Frame-averaged power = Maximum burst averaged power (3 Tx Slots) - 4.26 dB

Frame-averaged power = Maximum burst averaged power (4 Tx Slots) - 3.01 dB

7.2. WCDMA Conducted Power

WCDMA Band 2		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	9262	9400	9538	
Frequency (MHz)		1852.4	1880	1907.6	
RMC12.2K	22.50	22.13	22.19	22.18	
HSDPA Sub 1	21.50	21.23	21.31	21.22	
HSDPA Sub 2	21.00	20.74	20.84	20.66	
HSDPA Sub 3	20.00	19.43	19.76	19.45	
HSDPA Sub 4	20.50	20.06	19.69	19.23	
HSUPA Sub 1	21.50	20.48	21.08	21.02	
HSUPA Sub 2	21.50	21.15	21.10	21.07	
HSUPA Sub 3	20.50	19.14	20.21	20.11	
HSUPA Sub 4	21.50	21.15	21.25	21.16	
HSUPA Sub 5	21.00	19.34	20.76	20.61	
WCDMA Band 4		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	1312	1413	1513	
Frequency (MHz)		1712.4	1732.6	1752.6	
RMC12.2K	22.50	22.09	22.10	22.21	
HSDPA Sub 1	21.50	21.15	21.12	21.20	
HSDPA Sub 2	21.00	20.51	20.59	20.82	
HSDPA Sub 3	20.00	19.82	19.75	19.61	
HSDPA Sub 4	20.00	19.32	19.84	19.88	
HSUPA Sub 1	21.50	20.82	21.06	21.24	
HSUPA Sub 2	21.50	21.16	21.14	21.26	
HSUPA Sub 3	20.00	19.36	19.96	19.99	
HSUPA Sub 4	21.50	21.27	21.23	21.33	
HSUPA Sub 5	21.00	19.79	20.61	20.70	
WCDMA Band 5		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	4132	4182	4233	
Frequency (MHz)		826.4	836.4	846.6	
RMC12.2K	22.50	22.17	22.08	21.90	
HSDPA Sub 1	21.50	21.15	21.03	20.90	
HSDPA Sub 2	21.00	20.79	20.41	20.56	
HSDPA Sub 3	20.00	19.70	19.38	19.25	
HSDPA Sub 4	20.00	19.40	19.74	19.34	
HSUPA Sub 1	21.00	19.89	20.89	20.70	

HSUPA Sub 2	21.50	21.11	20.93	20.81
HSUPA Sub 3	20.00	19.36	19.91	19.63
HSUPA Sub 4	21.50	21.15	21.05	20.89
HSUPA Sub 5	20.50	19.73	20.35	20.24

7.3. LTE Conducted Power

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18607/1850.7	18900/1880	19193/1909.3
LTE Band 2	1.4MHz	QPSK	1	0	23.50	23.24	23.21	23.39
			1	2	23.50	23.20	23.18	23.42
			1	5	23.50	23.21	23.31	23.40
			3	0	23.50	23.26	23.24	23.42
			3	1	23.50	23.25	23.23	23.40
			3	2	23.50	23.24	23.27	23.42
			6	0	22.50	22.19	22.26	22.42
		16QAM	1	0	23.00	22.41	22.51	22.71
			1	2	23.00	22.45	22.49	22.55
			1	5	23.00	22.39	22.54	22.65
			3	0	22.50	22.26	22.24	22.45
			3	1	22.50	22.21	22.22	22.42
			3	2	22.50	22.21	22.22	22.49
			6	0	22.00	21.27	21.26	21.54
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18615/1851.5	18900/1880	19185/1908.5
LTE Band 2	3MHz	QPSK	1	0	23.50	23.16	23.22	23.34
			1	7	23.50	23.13	23.19	23.33
			1	14	23.50	23.12	23.21	23.41
			8	0	22.50	22.19	22.23	22.39
			8	4	22.50	22.21	22.24	22.42
			8	7	22.50	22.21	22.29	22.40
			15	0	22.50	22.21	22.29	22.43
		16QAM	1	0	23.00	22.39	22.48	22.56
			1	7	23.00	22.29	22.44	22.50
			1	14	23.00	22.32	22.49	22.57
			8	0	22.00	21.30	21.31	21.43
			8	4	22.00	21.28	21.36	21.53
			8	7	22.00	21.26	21.28	21.49

			15	0	21.50	21.20	21.29	21.42
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18625/1852.5	18900/1880	19175/1907.5
LTE Band 2	5MHz	QPSK	1	0	24.00	23.25	23.26	23.45
			1	12	24.00	23.19	23.23	23.37
			1	24	24.00	23.19	23.31	23.50
			12	0	23.00	22.27	22.31	22.48
			12	6	23.00	22.25	22.34	22.47
			12	11	23.00	22.27	22.33	22.52
			25	0	23.00	22.30	22.36	22.50
		16QAM	1	0	23.00	22.49	22.49	22.75
			1	12	23.00	22.39	22.54	22.67
			1	24	23.00	22.45	22.60	22.68
			12	0	22.00	21.32	21.36	21.46
			12	6	22.00	21.24	21.32	21.51
			12	11	22.00	21.24	21.37	21.55
			25	0	22.00	21.28	21.35	21.51
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18650/1855	18900/1880	19150/1905
LTE Band 2	10MHz	QPSK	1	0	23.50	23.27	23.30	23.41
			1	24	23.50	23.17	23.28	23.38
			1	49	23.50	23.29	23.44	23.49
			25	0	23.00	22.24	22.32	22.44
			25	12	23.00	22.23	22.32	22.41
			25	24	23.00	22.29	22.37	22.51
			50	0	22.50	22.28	22.35	22.48
		16QAM	1	0	23.00	22.54	22.52	22.77
			1	24	23.00	22.44	22.52	22.70
			1	49	23.00	22.64	22.65	22.81
			25	0	22.00	21.23	21.33	21.44
			25	12	22.00	21.18	21.29	21.42
			25	24	22.00	21.26	21.38	21.53
			50	0	21.50	21.28	21.33	21.49
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18675/1857.5	18900/1880	19125/1902.5

LTE Band 2	15MHz	QPSK	1	0	24.00	23.30	23.38	23.41
			1	37	24.00	23.27	23.33	23.44
			1	74	24.00	23.32	23.41	23.59
			36	0	23.00	22.24	22.34	22.43
			36	18	23.00	22.24	22.31	22.38
			36	37	23.00	22.30	22.42	22.51
			75	0	22.50	22.31	22.39	22.48
		16QAM	1	0	23.00	22.53	22.51	22.52
			1	37	23.00	22.42	22.61	22.60
			1	74	23.00	22.58	22.73	22.74
			36	0	22.00	21.24	21.35	21.42
			36	18	22.00	21.22	21.36	21.41
			36	37	22.00	21.32	21.44	21.52
			75	0	22.00	21.29	21.41	21.52
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18700/1860	18900/1880	19100/1900
LTE Band 2	20MHz	QPSK	1	0	24.00	23.37	23.29	23.52
			1	49	24.00	23.25	23.32	23.42
			1	99	24.00	23.32	23.43	23.64
			50	0	23.00	22.28	22.39	22.53
			50	24	23.00	22.33	22.40	22.46
			50	49	23.00	22.34	22.52	22.52
			100	0	23.00	22.28	22.45	22.55
		16QAM	1	0	23.00	22.56	22.55	22.67
			1	49	23.00	22.51	22.51	22.74
			1	99	23.00	22.55	22.75	22.76
			50	0	22.00	21.27	21.39	21.54
			50	24	22.00	21.31	21.39	21.47
			50	49	22.00	21.34	21.48	21.53
			100	0	22.00	21.27	21.43	21.53

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		19957/1710.7	20175/1732.5	20393/1754.3
LTE Band 4	1.4MHz	QPSK	1	0	23.50	22.98	23.20	23.17
			1	2	23.50	22.97	23.26	23.21
			1	5	23.50	23.03	23.26	23.20
			3	0	23.50	23.06	23.21	23.29

			16QAM	3	1	23.50	23.03	23.17	23.27
				3	2	23.50	23.00	23.21	23.26
				6	0	22.50	22.04	22.24	22.30
				1	0	23.00	22.20	22.48	22.45
				1	2	23.00	22.18	22.42	22.53
				1	5	23.00	22.12	22.36	22.57
				3	0	22.50	22.05	22.21	22.28
				3	1	22.50	22.14	22.11	22.33
				3	2	22.50	22.07	22.19	22.37
				6	0	21.50	21.07	21.31	21.32
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		19965/1711.5	20175/1732.5	20385/1753.5	
LTE Band 4	3MHz	QPSK	1	0	23.50	22.93	23.22	23.20	
			1	7	23.50	22.90	23.18	23.26	
			1	14	23.50	22.93	23.28	23.28	
			8	0	22.50	21.98	22.23	22.23	
			8	4	22.50	21.96	22.19	22.24	
			8	7	22.50	21.94	22.22	22.28	
			15	0	22.50	21.99	22.24	22.26	
		16QAM	1	0	22.50	22.13	22.49	22.44	
			1	7	22.50	22.12	22.36	22.42	
			1	14	22.50	22.17	22.46	22.47	
			8	0	21.50	21.05	21.27	21.33	
			8	4	21.50	21.04	21.29	21.32	
			8	7	21.50	21.05	21.29	21.32	
			15	0	21.50	21.01	21.25	21.30	
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		19975/1712.5	20175/1732.5	20375/1752.5	
LTE Band 4	5MHz	QPSK	1	0	23.50	23.00	23.23	23.22	
			1	12	23.50	22.91	23.24	23.30	
			1	24	23.50	22.97	23.25	23.27	
			12	0	22.50	22.08	22.30	22.33	
			12	6	22.50	22.03	22.29	22.33	
			12	11	22.50	22.07	22.27	22.33	
			25	0	22.50	22.05	22.31	22.35	
		16QAM	1	0	23.00	22.21	22.55	22.37	
			1	12	23.00	22.15	22.55	22.54	

			1	24	23.00	22.18	22.42	22.55
			12	0	21.50	21.05	21.30	21.35
			12	6	21.50	21.04	21.33	21.31
			12	11	21.50	21.05	21.29	21.36
			25	0	21.50	21.12	21.32	21.34
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20000/1715	20175/1732.5	20350/1750
LTE Band 4	10MHz	QPSK	1	0	23.50	23.06	23.36	23.25
			1	24	23.50	22.95	23.33	23.15
			1	49	23.50	23.15	23.37	23.36
			25	0	22.50	22.07	22.30	22.24
			25	12	22.50	22.05	22.26	22.25
			25	24	22.50	22.11	22.31	22.33
			50	0	22.50	22.09	22.32	22.29
		16QAM	1	0	23.00	22.26	22.55	22.46
			1	24	23.00	22.22	22.39	22.42
			1	49	23.00	22.43	22.52	22.63
			25	0	21.50	21.08	21.29	21.27
			25	12	21.50	21.09	21.29	21.26
			25	24	21.50	21.14	21.31	21.34
			50	0	21.50	21.10	21.29	21.28
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20025/1717.5	20175/1732.5	20325/1747.5
LTE Band 4	15MHz	QPSK	1	0	23.50	23.09	23.26	23.30
			1	37	23.50	23.16	23.31	23.22
			1	74	23.50	23.36	23.32	23.37
			36	0	22.50	22.07	22.27	22.23
			36	18	22.50	22.11	22.27	22.22
			36	37	22.50	22.21	22.31	22.29
			75	0	22.50	22.15	22.30	22.29
		16QAM	1	0	23.00	22.13	22.58	22.52
			1	37	23.00	22.25	22.58	22.51
			1	74	23.00	22.45	22.64	22.63
			36	0	21.50	21.12	21.27	21.26
			36	18	21.50	21.11	21.25	21.22
			36	37	21.50	21.22	21.32	21.33

			75	0	21.50	21.18	21.34	21.32
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20050/1720	20175/1732.5	20300/1745
LTE Band 4	20MHz	QPSK	1	0	23.50	23.00	23.20	23.27
			1	49	23.50	23.14	23.34	23.21
			1	99	23.50	23.43	23.39	23.38
			50	0	22.50	22.14	22.31	22.31
			50	24	22.50	22.20	22.33	22.30
			50	49	22.50	22.33	22.36	22.36
			100	0	22.50	22.26	22.33	22.27
		16QAM	1	0	23.00	22.28	22.41	22.57
			1	49	23.00	22.34	22.56	22.47
			1	99	23.00	22.64	22.64	22.57
			50	0	21.50	21.16	21.29	21.29
			50	24	21.50	21.21	21.31	21.25
			50	49	21.50	21.34	21.39	21.33
			100	0	21.50	21.23	21.31	21.27

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20407/824.7	20525/836.5	20643/848.3
LTE Band 5	1.4MHz	QPSK	1	0	24.00	23.33	23.62	23.40
			1	2	24.00	23.48	23.55	23.27
			1	5	24.00	23.42	23.52	23.30
			3	0	23.50	23.39	23.49	23.31
			3	1	23.50	23.40	23.48	23.33
			3	2	23.50	23.44	23.49	23.28
			6	0	23.00	22.36	22.53	22.33
		16QAM	1	0	23.00	22.50	22.88	22.53
			1	2	23.00	22.67	22.77	22.62
			1	5	23.00	22.59	22.86	22.61
			3	0	23.00	22.40	22.57	22.32
			3	1	23.00	22.37	22.58	22.36
			3	2	23.00	22.39	22.48	22.32
			6	0	22.00	21.44	21.60	21.45
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20415/825.5	20525/836.5	20635/847.5

LTE Band 5	3MHz	QPSK	1	0	24.00	23.32	23.50	23.37
			1	7	24.00	23.45	23.47	23.37
			1	14	24.00	23.39	23.55	23.35
			8	0	23.00	22.41	22.54	22.39
			8	4	23.00	22.39	22.51	22.37
			8	7	23.00	22.42	22.49	22.32
			15	0	23.00	22.39	22.51	22.36
		16QAM	1	0	23.00	22.59	22.74	22.65
			1	7	23.00	22.66	22.75	22.62
			1	14	23.00	22.67	22.73	22.55
			8	0	22.00	21.47	21.64	21.47
			8	4	22.00	21.43	21.59	21.40
			8	7	22.00	21.52	21.55	21.36
			15	0	22.00	21.43	21.55	21.36
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20425/826.5	20525/836.5	20625/846.5
LTE Band 5	5MHz	QPSK	1	0	24.00	23.42	23.56	23.44
			1	12	24.00	23.43	23.61	23.46
			1	24	24.00	23.46	23.62	23.35
			12	0	23.00	22.44	22.59	22.47
			12	6	23.00	22.49	22.57	22.43
			12	11	23.00	22.52	22.57	22.40
			25	0	23.00	22.50	22.61	22.45
		16QAM	1	0	23.00	22.61	22.90	22.78
			1	12	23.00	22.76	22.77	22.59
			1	24	23.00	22.72	22.84	22.52
			12	0	22.00	21.45	21.62	21.49
			12	6	22.00	21.51	21.58	21.44
			12	11	22.00	21.52	21.59	21.38
			25	0	22.00	21.50	21.60	21.44
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20450/829	20525/836.5	20600/844
LTE Band 5	10MHz	QPSK	1	0	24.00	23.42	23.66	23.55
			1	24	24.00	23.41	23.45	23.36
			1	49	24.00	23.61	23.50	23.35
			25	0	23.00	22.45	22.58	22.51

			25	12	23.00	22.48	22.53	22.43
			25	24	23.00	22.51	22.51	22.41
			50	0	23.00	22.49	22.52	22.45
		16QAM	1	0	23.00	22.68	22.87	22.82
			1	24	23.00	22.74	22.77	22.71
			1	49	23.00	22.85	22.74	22.65
			25	0	22.00	21.41	21.55	21.47
			25	12	22.00	21.45	21.52	21.40
			25	24	22.00	21.49	21.50	21.41
			50	0	22.00	21.47	21.55	21.47

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20775/2502.5	21100/2535	21425/2567.5
LTE Band 7	5MHz	QPSK	1	0	20.50	19.21	19.70	19.96
			1	12	20.50	19.18	19.85	20.06
			1	24	20.50	19.21	19.75	19.97
			12	0	20.50	19.28	19.90	20.01
			12	6	20.50	19.27	19.83	20.10
			12	11	20.50	19.29	19.79	20.02
			25	0	20.00	19.27	19.90	20.00
		16QAM	1	0	20.50	19.52	19.98	20.22
			1	12	20.50	19.39	20.04	20.39
			1	24	20.50	19.47	20.08	20.12
			12	0	20.50	19.26	19.92	20.03
			12	6	20.50	19.24	19.84	20.09
			12	11	20.50	19.28	19.77	20.03
			25	0	20.50	19.27	19.86	20.01
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20800/2505	21100/2535	21400/2565
LTE Band 7	10MHz	QPSK	1	0	22.00	21.23	21.76	21.67
			1	24	22.00	21.18	21.73	21.81
			1	49	22.00	21.25	21.71	21.94
			25	0	21.50	20.22	20.81	21.05
			25	12	21.50	20.20	20.77	20.95
			25	24	21.50	20.24	20.76	20.96
			50	0	21.00	20.22	20.75	20.98
		16QAM	1	0	21.50	20.45	20.98	21.16

			1	24	21.50	20.42	20.91	21.07
			1	49	21.50	20.42	20.91	21.23
			25	0	20.50	19.20	19.86	20.05
			25	12	20.50	19.18	19.75	19.97
			25	24	20.50	19.24	19.74	19.97
			50	0	20.50	19.22	19.77	20.02
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20825/2507.5	21100/2535	21375/2562.5
LTE Band 7	15MHz	QPSK	1	0	22.00	21.18	21.74	20.09
			1	37	22.00	21.26	21.80	20.07
			1	74	22.00	21.18	21.67	20.06
			36	0	21.00	20.24	20.82	20.06
			36	18	21.00	20.20	20.80	20.01
			36	37	21.00	20.25	20.75	19.99
			75	0	21.00	20.24	20.84	20.04
		16QAM	1	0	20.50	20.38	20.07	20.24
			1	37	20.50	20.47	20.12	20.21
			1	74	20.50	20.41	19.97	20.32
			36	0	20.50	19.25	19.84	20.09
			36	18	20.50	19.23	19.79	20.03
			36	37	20.50	19.25	19.77	19.98
			75	0	20.50	19.23	19.86	20.05
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20850/2510	21100/2535	21350/2560
LTE Band 7	20MHz	QPSK	1	0	22.00	21.18	21.65	21.84
			1	49	22.00	21.24	21.68	21.86
			1	99	22.00	21.23	21.68	21.88
			50	0	21.50	20.21	20.79	21.04
			50	24	21.50	20.23	20.84	21.02
			50	49	21.50	20.23	20.79	21.02
			100	0	21.50	20.29	20.80	21.03
		16QAM	1	0	21.50	20.27	20.96	21.03
			1	49	21.50	20.42	20.93	20.94
			1	99	21.50	20.48	20.92	21.16
			50	0	20.50	19.24	19.80	20.09
			50	24	20.50	19.24	19.77	19.99

			50	49	20.50	19.27	19.80	20.03
			100	0	20.50	19.26	19.83	20.03

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23017/699.7	23095/707.5	23173/715.3
LTE Band 12	1.4MHz	QPSK	1	0	24.00	23.49	23.47	23.38
			1	2	24.00	23.43	23.43	23.25
			1	5	24.00	23.52	23.42	23.29
			3	0	24.00	23.49	23.36	23.42
			3	1	24.00	23.49	23.39	23.40
			3	2	24.00	23.57	23.37	23.37
			6	0	22.50	22.49	22.41	22.37
		16QAM	1	0	23.00	22.67	22.69	22.46
			1	2	23.00	22.66	22.69	22.57
			1	5	23.00	22.65	22.60	22.39
			3	0	23.00	22.38	22.49	22.54
			3	1	23.00	22.45	22.41	22.42
			3	2	23.00	22.56	22.43	22.41
			6	0	22.00	21.59	21.51	21.52
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23025/700.5	23095/707.5	23165/714.5
LTE Band 12	3MHz	QPSK	1	0	24.00	23.50	23.44	23.36
			1	7	24.00	23.45	23.36	23.30
			1	14	24.00	23.43	23.36	23.26
			8	0	23.00	22.46	22.44	22.39
			8	4	23.00	22.52	22.41	22.37
			8	7	23.00	22.50	22.41	22.39
			15	0	23.00	22.50	22.44	22.41
		16QAM	1	0	23.00	22.62	22.77	22.49
			1	7	23.00	22.66	22.62	22.51
			1	14	23.00	22.70	22.70	22.61
			8	0	22.00	21.58	21.56	21.51
			8	4	22.00	21.58	21.53	21.51
			8	7	22.00	21.58	21.47	21.50
			15	0	22.00	21.54	21.45	21.45
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB		23035/701.5	23095/707.5	23155/713.5

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23060/704	23095/707.5	23130/711
LTE Band 12	5MHz	QPSK	1	0	24.00	23.54	23.52	23.40
			1	12	24.00	23.50	23.54	23.37
			1	24	24.00	23.42	23.36	23.39
			12	0	23.00	22.59	22.55	22.44
			12	6	23.00	22.54	22.46	22.52
			12	11	23.00	22.55	22.44	22.46
			25	0	23.00	22.59	22.49	22.44
		16QAM	1	0	23.00	22.79	22.77	22.62
			1	12	23.00	22.72	22.73	22.60
			1	24	23.00	22.67	22.65	22.66
			12	0	22.00	21.57	21.58	21.44
			12	6	22.00	21.56	21.48	21.51
			12	11	22.00	21.52	21.45	21.47
			25	0	22.00	21.59	21.52	21.49
LTE Band 12	10MHz	QPSK	1	0	24.00	23.55	23.51	23.53
			1	24	24.00	23.34	23.38	23.30
			1	49	24.00	23.38	23.37	23.42
			25	0	23.00	22.49	22.50	22.45
			25	12	23.00	22.48	22.40	22.38
			25	24	23.00	22.46	22.41	22.45
			50	0	22.50	22.46	22.47	22.43
		16QAM	1	0	23.00	22.75	22.74	22.87
			1	24	23.00	22.66	22.58	22.56
			1	49	23.00	22.76	22.63	22.62
			25	0	22.00	21.49	21.50	21.41
			25	12	22.00	21.49	21.42	21.37
			25	24	22.00	21.42	21.41	21.47
			50	0	21.50	21.47	21.47	21.43

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23755/706.5	23790/710	23825/713.5
LTE Band	5MHz	QPSK	1	0	24.00	23.53	23.51	23.53
			1	12	24.00	23.52	23.43	23.44

17				1	24	24.00	23.43	23.40	23.35
				12	0	23.00	22.57	22.50	22.44
				12	6	23.00	22.50	22.51	22.47
				12	11	23.00	22.47	22.46	22.51
				25	0	23.00	22.54	22.53	22.49
			16QAM	1	0	23.00	22.79	22.73	22.63
				1	12	23.00	22.76	22.66	22.61
				1	24	23.00	22.72	22.71	22.54
				12	0	22.00	21.53	21.52	21.46
				12	6	22.00	21.51	21.48	21.44
				12	11	22.00	21.50	21.48	21.52
				25	0	22.00	21.53	21.51	21.50
			RB Configuration	Tune-up (dBm)		Channel/Frequency(MHz)			
						23780/709	23790/710	23800/711	
			Modulation	RB Size	RB Offset				
LTE Band 17	10MHz		QPSK	1	0	24.00	23.60	23.60	23.61
				1	24	24.00	23.40	23.42	23.35
				1	49	24.00	23.42	23.41	23.38
				25	0	23.00	22.51	22.52	22.47
				25	12	23.00	22.45	22.45	22.42
				25	24	23.00	22.47	22.46	22.47
				50	0	23.00	22.50	22.46	22.47
			16QAM	1	0	23.00	22.72	22.75	22.75
				1	24	23.00	22.75	22.74	22.54
				1	49	23.00	22.61	22.68	22.64
				25	0	22.00	21.49	21.50	21.46
				25	12	22.00	21.46	21.46	21.45
				25	24	22.00	21.46	21.46	21.49
				50	0	21.50	21.48	21.47	21.46

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26047/1850.7	26365/1882.5	26683/1914.3
LTE Band 25	1.4MHz	QPSK	1	0	24.00	23.27	23.41	23.49
			1	2	24.00	23.29	23.41	23.59
			1	5	24.00	23.28	23.42	23.53
			3	0	24.00	23.26	23.40	23.57
			3	1	24.00	23.27	23.45	23.62
			3	2	24.00	23.34	23.41	23.63
			6	0	23.00	22.25	22.45	22.63
		16QAM	1	0	23.00	22.39	22.58	22.77
			1	2	23.00	22.47	22.72	22.61
			1	5	23.00	22.52	22.78	22.84
			3	0	23.00	22.34	22.53	22.72
			3	1	23.00	22.25	22.42	22.58
			3	2	23.00	22.21	22.39	22.58
			6	0	22.00	21.32	21.51	21.69
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26055/1851.5	26365/1882.5	26675/1913.5
LTE Band 25	3MHz	QPSK	1	0	24.00	23.28	23.42	23.49
			1	7	24.00	23.18	23.45	23.48
			1	14	24.00	23.18	23.43	23.54
			8	0	23.00	22.26	22.44	22.65
			8	4	23.00	22.25	22.42	22.55
			8	7	23.00	22.21	22.44	22.53
			15	0	23.00	22.26	22.47	22.59
		16QAM	1	0	23.00	22.47	22.53	22.67
			1	7	23.00	22.46	22.72	22.79
			1	14	23.00	22.45	22.68	22.76
			8	0	22.00	21.32	21.48	21.69
			8	4	22.00	21.33	21.52	21.63
			8	7	22.00	21.30	21.55	21.64
			15	0	22.00	21.25	21.52	21.64
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB	RB		26065/1852.5	26365/1882.5	26665/1912.5

LTE Band	Band Width	Modulation	Size	Offset	Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26090/1855	26365/1882.5	26640/1910
LTE Band 25	5MHz	QPSK	1	0	24.00	23.25	23.36	23.47
			1	12	24.00	23.20	23.48	23.49
			1	24	24.00	23.21	23.49	23.62
			12	0	23.00	22.30	22.48	22.61
			12	6	23.00	22.27	22.51	22.64
			12	11	23.00	22.31	22.55	22.62
			25	0	23.00	22.34	22.54	22.66
		16QAM	1	0	23.00	22.55	22.52	22.66
			1	12	23.00	22.39	22.70	22.83
			1	24	23.00	22.48	22.85	22.62
			12	0	22.00	21.34	21.50	21.63
			12	6	22.00	21.32	21.53	21.65
			12	11	22.00	21.32	21.57	21.64
			25	0	22.00	21.32	21.51	21.69
LTE Band 25	10MHz	QPSK	1	0	24.00	23.34	23.35	23.49
			1	24	24.00	23.26	23.46	23.54
			1	49	24.00	23.39	23.52	23.66
			25	0	23.00	22.32	22.45	22.51
			25	12	23.00	22.27	22.47	22.50
			25	24	23.00	22.33	22.54	22.54
			50	0	23.00	22.31	22.52	22.51
		16QAM	1	0	23.00	22.57	22.59	22.76
			1	24	23.00	22.49	22.65	22.74
			1	49	23.00	22.61	22.75	22.88
			25	0	22.00	21.32	21.44	21.48
			25	12	22.00	21.23	21.48	21.49
			25	24	22.00	21.32	21.53	21.55
			50	0	22.00	21.31	21.51	21.51
LTE	15MHz	QPSK	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26115/1857.5	26365/1882.5	26615/1907.5
LTE	15MHz	QPSK	1	0	24.00	23.34	23.32	23.57

Band 25			1	37	24.00	23.26	23.52	23.56
			1	74	24.00	23.35	23.46	23.63
			36	0	23.00	22.30	22.43	22.52
			36	18	23.00	22.31	22.46	22.48
			36	37	23.00	22.35	22.55	22.53
			75	0	23.00	22.33	22.51	22.54
		16QAM	1	0	23.00	22.61	22.48	22.66
			1	37	23.00	22.46	22.83	22.76
			1	74	23.00	22.62	22.66	22.94
			36	0	22.00	21.27	21.44	21.50
			36	18	22.00	21.25	21.48	21.47
			36	37	22.00	21.34	21.56	21.54
			75	0	22.00	21.35	21.52	21.54
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26140/1860	26365/1882.5	26590/1905
LTE Band 25	20MHz	QPSK	1	0	24.00	23.32	23.29	23.52
			1	49	24.00	23.29	23.52	23.50
			1	99	24.00	23.31	23.51	23.69
			50	0	23.00	22.34	22.46	22.63
			50	24	23.00	22.40	22.58	22.57
			50	49	23.00	22.38	22.61	22.59
			100	0	23.00	22.32	22.54	22.63
		16QAM	1	0	23.00	22.62	22.48	22.76
			1	49	23.00	22.49	22.75	22.70
			1	99	23.00	22.61	22.78	22.83
			50	0	22.00	21.32	21.46	21.66
			50	24	22.00	21.33	21.55	21.57
			50	49	22.00	21.38	21.60	21.62
			100	0	22.00	21.33	21.50	21.61

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26697/814.7	26740/819	26783/823.3
LTE Band 26a	1.4MHz	QPSK	1	0	24.00	23.51	23.37	23.32
			1	2	24.00	23.45	23.26	23.34
			1	5	24.00	23.39	23.31	23.35
			3	0	24.00	23.50	23.32	23.31

				3	1	24.00	23.38	23.38	23.29
				3	2	24.00	23.47	23.31	23.31
				6	0	22.50	22.43	22.35	22.33
			16QAM	1	0	23.00	22.66	22.48	22.55
				1	2	23.00	22.58	22.59	22.59
				1	5	23.00	22.58	22.48	22.57
				3	0	22.50	22.49	22.34	22.28
				3	1	22.50	22.45	22.35	22.33
				3	2	22.50	22.34	22.34	22.28
				6	0	22.00	21.50	21.46	21.44
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		26705/818.5	26740/819	26775/822.5	
LTE Band 26a	3MHz	QPSK	1	0	23.50	23.38	23.37	23.38	
			1	7	23.50	23.28	23.36	23.29	
			1	14	23.50	23.29	23.31	23.32	
			8	0	22.50	22.39	22.38	22.37	
			8	4	22.50	22.36	22.37	22.37	
			8	7	22.50	22.32	22.35	22.35	
			15	0	22.50	22.36	22.39	22.35	
		16QAM	1	0	23.00	22.59	22.67	22.64	
			1	7	23.00	22.65	22.46	22.59	
			1	14	23.00	22.49	22.55	22.53	
			8	0	22.00	21.46	21.50	21.45	
			8	4	22.00	21.42	21.45	21.41	
			8	7	22.00	21.41	21.44	21.38	
			15	0	21.50	21.43	21.41	21.39	
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		26715/816.5	26740/819	26765/821.5	
LTE Band 26a	5MHz	QPSK	1	0	23.50	23.42	23.43	23.39	
			1	12	23.50	23.39	23.35	23.36	
			1	24	23.50	23.30	23.37	23.36	
			12	0	22.50	22.46	22.47	22.47	
			12	6	22.50	22.40	22.43	22.47	
			12	11	22.50	22.37	22.44	22.41	
			25	0	22.50	22.42	22.49	22.46	
		16QAM	1	0	23.00	22.71	22.65	22.69	
			1	12	23.00	22.58	22.69	22.67	

			1	24	23.00	22.51	22.61	22.61
			12	0	22.00	21.47	21.51	21.45
			12	6	22.00	21.38	21.46	21.41
			12	11	22.00	21.37	21.42	21.43
			25	0	21.50	21.41	21.49	21.47
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		/	26740/819	/
LTE Band 26a	10MHz	QPSK	1	0	24.00	/	23.62	/
			1	24	24.00	/	23.36	/
			1	49	24.00	/	23.39	/
			25	0	22.50	/	22.46	/
			25	12	22.50	/	22.42	/
			25	24	22.50	/	22.36	/
			50	0	22.50	/	22.43	/
		16QAM	1	0	23.00	/	22.89	/
			1	24	23.00	/	22.60	/
			1	49	23.00	/	22.67	/
			25	0	21.50	/	21.47	/
			25	12	21.50	/	21.39	/
			25	24	21.50	/	21.37	/
			50	0	21.50	/	21.44	/

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26797/824.7	26915/836.5	27033/848.3
LTE Band 26b	1.4MHz	QPSK	1	0	23.50	23.34	23.38	23.28
			1	2	23.50	23.31	23.40	23.29
			1	5	23.50	23.37	23.39	23.28
			3	0	23.50	23.37	23.39	23.31
			3	1	23.50	23.37	23.39	23.30
			3	2	23.50	23.40	23.37	23.27
			6	0	22.50	22.36	22.39	22.29
		16QAM	1	0	23.00	22.60	22.70	22.59
			1	2	23.00	22.54	22.67	22.52
			1	5	23.00	22.53	22.60	22.57
			3	0	22.50	22.39	22.48	22.26
			3	1	22.50	22.32	22.39	22.31

			3	2	22.50	22.33	22.39	22.27
			6	0	22.00	21.38	21.50	21.39
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26805/825.5	26915/836.5	27025/847.5
LTE Band 26b	3MHz	QPSK	1	0	23.50	23.31	23.40	23.34
			1	7	23.50	23.33	23.39	23.25
			1	14	23.50	23.38	23.48	23.30
			8	0	22.50	22.35	22.46	22.33
			8	4	22.50	22.37	22.46	22.30
			8	7	22.50	22.37	22.45	22.32
			15	0	22.50	22.37	22.45	22.29
		16QAM	1	0	23.00	22.59	22.71	22.51
			1	7	23.00	22.66	22.69	22.51
			1	14	23.00	22.58	22.72	22.60
			8	0	22.00	21.39	21.52	21.37
			8	4	22.00	21.44	21.56	21.36
			8	7	22.00	21.44	21.48	21.35
			15	0	21.50	21.39	21.46	21.28
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26815/826.5	26915/836.5	27015/846.5
LTE Band 26b	5MHz	QPSK	1	0	24.00	23.36	23.54	23.39
			1	12	24.00	23.42	23.45	23.28
			1	24	24.00	23.49	23.55	23.31
			12	0	23.00	22.43	22.51	22.37
			12	6	23.00	22.45	22.51	22.38
			12	11	23.00	22.44	22.49	22.34
			25	0	23.00	22.48	22.52	22.39
		16QAM	1	0	23.00	22.66	22.79	22.67
			1	12	23.00	22.78	22.71	22.57
			1	24	23.00	22.70	22.78	22.62
			12	0	22.00	21.45	21.55	21.43
			12	6	22.00	21.49	21.55	21.39
			12	11	22.00	21.48	21.53	21.31
			25	0	22.00	21.47	21.55	21.40
Band	Band	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		

	Width		RB Size	RB Offset	(dBm)	26840/829	26915/836.5	26990/844
LTE Band 26b	10MHz	QPSK	1	0	24.00	23.40	23.49	23.50
			1	24	24.00	23.36	23.38	23.35
			1	49	24.00	23.49	23.43	23.37
			25	0	23.00	22.42	22.50	22.48
			25	12	23.00	22.39	22.46	22.37
			25	24	23.00	22.45	22.46	22.31
			50	0	22.50	22.43	22.48	22.40
		16QAM	1	0	23.00	22.57	22.66	22.81
			1	24	23.00	22.63	22.65	22.62
			1	49	23.00	22.76	22.63	22.66
			25	0	21.50	21.39	21.46	21.47
			25	12	21.50	21.39	21.46	21.37
			25	24	21.50	21.44	21.46	21.30
			50	0	21.50	21.40	21.47	21.40
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26865/831.5	26915/836.5	26965/841.5
LTE Band 26b	15MHz	QPSK	1	0	24.00	23.45	23.52	23.53
			1	37	24.00	23.50	23.57	23.51
			1	74	24.00	23.49	23.44	23.37
			36	0	23.00	22.47	22.51	22.51
			36	18	23.00	22.48	22.52	22.47
			36	37	23.00	22.46	22.49	22.39
			75	0	23.00	22.49	22.52	22.49
		16QAM	1	0	23.00	22.72	22.87	22.85
			1	37	23.00	22.81	22.72	22.77
			1	74	23.00	22.83	22.70	22.65
			36	0	22.00	21.47	21.51	21.56
			36	18	22.00	21.48	21.51	21.49
			36	37	22.00	21.47	21.50	21.38
			75	0	22.00	21.49	21.54	21.52

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131979/1710.7	132322/1745	132665/1779.3

LTE Band 66	1.4MHz	QPSK	1	0	24.00	23.17	23.18	23.46
			1	2	24.00	23.20	23.17	23.44
			1	5	24.00	23.23	23.17	23.54
			3	0	24.00	23.20	23.20	23.52
			3	1	24.00	23.13	23.18	23.46
			3	2	24.00	23.13	23.20	23.47
			6	0	23.00	22.13	22.22	22.52
		16QAM	1	0	23.00	22.50	22.43	22.79
			1	2	23.00	22.25	22.48	22.75
			1	5	23.00	22.39	22.46	22.56
			3	0	23.00	22.21	22.27	22.55
			3	1	23.00	22.25	22.28	22.58
			3	2	23.00	22.16	22.22	22.51
			6	0	22.00	21.18	21.31	21.54
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131987/1711.5	132322/1745	132657/1778.5
LTE Band 66	3MHz	QPSK	1	0	24.00	23.16	23.27	23.52
			1	7	24.00	23.05	23.17	23.40
			1	14	24.00	23.02	23.29	23.52
			8	0	23.00	22.07	22.22	22.53
			8	4	23.00	22.03	22.19	22.52
			8	7	23.00	22.05	22.25	22.45
			15	0	22.50	22.08	22.23	22.49
		16QAM	1	0	23.00	22.47	22.41	22.71
			1	7	23.00	22.16	22.34	22.78
			1	14	23.00	22.19	22.31	22.68
			8	0	22.00	21.19	21.28	21.56
			8	4	22.00	21.16	21.32	21.54
			8	7	22.00	21.13	21.27	21.52
			15	0	22.00	21.12	21.26	21.53
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131997/1712.5	132322/1745	132647/1777.5
LTE Band 66	5MHz	QPSK	1	0	24.00	23.23	23.23	23.51
			1	12	24.00	23.08	23.24	23.54
			1	24	24.00	23.07	23.36	23.53

				12	0	23.00	22.17	22.31	22.58		
				12	6	23.00	22.18	22.30	22.60		
				12	11	23.00	22.13	22.31	22.59		
				25	0	23.00	22.15	22.33	22.58		
			16QAM	1	0	23.00	22.45	22.50	22.83		
				1	12	23.00	22.25	22.42	22.72		
				1	24	23.00	22.27	22.60	22.73		
				12	0	22.00	21.19	21.29	21.60		
				12	6	22.00	21.13	21.32	21.59		
				12	11	22.00	21.09	21.33	21.57		
				25	0	22.00	21.17	21.32	21.61		
			Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
						RB Size	RB Offset		132022/1715	132322/1745	132622/1775
LTE Band 66	10MHz	QPSK	1	0	24.00	23.26	23.39	23.66			
			1	24	24.00	23.04	23.22	23.48			
			1	49	24.00	23.16	23.32	23.56			
			25	0	23.00	22.18	22.29	22.61			
			25	12	23.00	22.10	22.27	22.53			
			25	24	23.00	22.12	22.28	22.54			
			50	0	23.00	22.16	22.28	22.58			
		16QAM	1	0	23.00	22.35	22.63	22.78			
			1	24	23.00	22.24	22.51	22.71			
			1	49	23.00	22.31	22.70	22.83			
			25	0	22.00	21.19	21.29	21.60			
			25	12	22.00	21.08	21.26	21.56			
			25	24	22.00	21.14	21.30	21.55			
			50	0	22.00	21.18	21.29	21.56			
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)					
			RB Size	RB Offset		132047/1717.5	132322/1745	132597/1772.5			
LTE Band 66	15MHz	QPSK	1	0	24.00	23.18	23.42	23.52			
			1	37	24.00	23.13	23.27	23.48			
			1	74	24.00	23.25	23.44	23.54			
			36	0	22.50	22.16	22.28	22.46			
			36	18	22.50	22.11	22.27	22.48			

			36	37	22.50	22.20	22.31	22.46
			75	0	22.50	22.16	22.31	22.49
		16QAM	1	0	23.00	22.33	22.62	22.71
			1	37	23.00	22.19	22.49	22.68
			1	74	23.00	22.63	22.69	22.85
			36	0	21.50	21.15	21.29	21.43
			36	18	21.50	21.08	21.28	21.48
			36	37	21.50	21.21	21.28	21.46
			75	0	22.00	21.20	21.34	21.55
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		132072/1720	132322/1745	132572/1770
LTE Band 66	20MHz	QPSK	1	0	24.00	23.16	23.37	23.46
			1	49	24.00	23.14	23.29	23.53
			1	99	24.00	23.44	23.51	23.52
			50	0	23.00	22.18	22.35	22.48
			50	24	23.00	22.21	22.35	22.53
			50	49	23.00	22.30	22.36	22.53
			100	0	23.00	22.23	22.34	22.51
		16QAM	1	0	23.00	22.48	22.67	22.69
			1	49	23.00	22.40	22.48	22.74
			1	99	23.00	22.66	22.69	22.79
			50	0	22.00	21.20	21.34	21.48
			50	24	22.00	21.19	21.31	21.51
			50	49	22.00	21.30	21.36	21.53
			100	0	21.50	21.25	21.32	21.47

7.4. WLAN & Bluetooth Output Power

7.4.1. Output Power Results Of WLAN

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)
			Ant1		Ant2		MIMO	
802.11b	1	2412	15.50	15.18	16.50	15.76	/	/
	6	2437	15.50	14.96	16.50	16.21	/	/
	11	2462	15.50	15.11	16.50	15.76	/	/
802.11g	1	2412	15.00	14.64	14.00	13.50	/	/

	6	2437	15.00	14.27	14.00	13.67	/	/
	11	2462	15.00	14.21	14.00	13.06	/	/
802.11n HT20	1	2412	12.00	11.97	13.00	12.52	16.50	16.49
	6	2437	12.00	11.46	13.00	12.95	16.50	16.44
	11	2462	12.00	11.47	13.00	12.01	16.50	15.48
802.11n HT40	3	2422	12.50	12.07	13.50	12.44	15.50	14.95
	6	2437	12.50	11.73	13.50	12.82	15.50	15.37
	9	2452	12.50	11.86	13.50	13.06	15.50	15.26
802.11ax HE20	1	2412	12.50	11.84	13.50	12.92	16.00	15.75
	6	2437	12.50	12.13	13.50	13.26	16.00	15.92
	11	2462	12.50	11.80	13.50	12.38	16.00	14.95
802.11ax HE40	3	2422	12.00	11.85	13.50	12.65	16.00	15.24
	6	2437	12.00	11.98	13.50	13.12	16.00	15.46
	9	2452	12.00	11.95	13.50	13.19	16.00	15.60

NOTE: Power measurement results of WLAN 2.4G.

Mode	Channel	Frequency (MHz)	Tune-up (dBm)		Output Power (dBm)		Tune-up (dBm)		Output Power (dBm)	
			Ant1		Ant2		MIMO			
802.11a	36	5180	12.00	11.15	12.00	11.60	/	/	/	/
	40	5200	12.00	11.63	12.00	10.79	/	/	/	/
	48	5240	12.00	11.82	12.00	10.80	/	/	/	/
802.11n HT20	36	5180	12.50	11.92	11.00	10.59	15.50	14.13	15.50	14.13
	40	5200	12.50	11.90	11.00	10.80	15.50	14.22	15.50	14.22
	48	5240	12.50	12.25	11.00	10.91	15.50	15.07	15.50	15.07
802.11n HT40	38	5190	12.50	11.97	11.00	10.85	15.00	13.86	15.00	13.86
	46	5230	12.50	12.28	11.00	10.83	15.00	14.85	15.00	14.85
802.11ac VHT20	36	5180	12.00	10.60	11.00	10.56	15.50	14.59	15.50	14.59
	40	5200	12.00	11.50	11.00	10.86	15.50	14.24	15.50	14.24
	48	5240	12.00	12.00	11.00	10.47	15.50	15.26	15.50	15.26
802.11ac VHT40	38	5190	12.00	11.85	11.00	10.84	15.00	13.69	15.00	13.69
	46	5230	12.00	11.90	11.00	10.36	15.00	14.62	15.00	14.62
802.11ac VHT80	42	5210	12.00	11.76	10.50	10.38	14.00	13.96	14.00	13.96
802.11ax HE20	36	5180	12.50	9.26	11.50	10.67	15.50	14.56	15.50	14.56
	40	5200	12.50	11.64	11.50	11.04	15.50	13.92	15.50	13.92
	48	5240	12.50	12.29	11.50	11.16	15.50	15.22	15.50	15.22
802.11ax HE40	38	5190	11.50	11.30	11.50	10.98	15.00	14.10	15.00	14.10
	46	5230	11.50	11.19	11.50	11.04	15.00	14.62	15.00	14.62

802.11ax HE80	42	5210	11.50	11.21	11.00	10.63	14.00	13.78
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NOTE: Power measurement results of WLAN 5.2G.

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)
			Ant1		Ant2		MIMO	
802.11a	149	5745	12.50	12.2	13.00	12.15	/	/
	157	5785	12.50	11.91	13.00	12.63	/	/
	165	5825	12.50	11.77	13.00	12.92	/	/
802.11n HT20	149	5745	12.50	12.27	13.00	11.81	16.00	14.39
	157	5785	12.50	10.35	13.00	12.47	16.00	15.42
	165	5825	12.50	10.06	13.00	12.87	16.00	15.87
802.11n HT40	151	5755	11.00	10.51	13.50	13.04	16.00	14.41
	159	5795	11.00	10.4	13.50	13.12	16.00	15.66
802.11ac VHT20	149	5745	11.00	10.76	14.00	11.78	16.00	14.38
	157	5785	11.00	10.43	14.00	13.5	16.00	15.44
	165	5825	11.00	10.29	14.00	12.89	16.00	15.93
802.11ac VHT40	151	5755	11.50	10.83	13.50	13.02	16.00	14.41
	159	5795	11.50	11.36	13.50	12.24	16.00	15.6
802.11ac VHT80	155	5775	12.00	11.59	13.00	12.94	15.00	14.79
802.11ax HE20	149	5745	11.50	10.97	14.00	12.93	16.00	14.41
	157	5785	11.50	11.19	14.00	13.72	16.00	15.51
	165	5825	11.50	11.01	14.00	13.59	16.00	15.97
802.11ax HE40	151	5755	12.00	10.91	13.50	12.78	15.50	14.14
	159	5795	12.00	11.72	13.50	13.35	15.50	15.24
802.11ax HE80	155	5775	11.50	11.47	13.50	13.22	15.00	14.84

NOTE: Power measurement results of WLAN 5.8G.

1.1.1. Output Power Results Of NR

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Tune-up (dBm)	Power (dBm)	Verdict
n78	30	10	630334	24@0	DFT_BPSK	22.50	22.06	PASS
n78	30	10	630334	12@6	DFT_BPSK	23.00	22.58	PASS
n78	30	10	630334	1@1	DFT_BPSK	22.50	22.28	PASS
n78	30	10	630334	1@22	DFT_BPSK	23.00	22.63	PASS

n78	30	10	630334	24@0	DFT_QPSK	21.50	21.44	PASS
n78	30	10	630334	12@6	DFT_QPSK	23.00	22.53	PASS
n78	30	10	630334	1@1	DFT_QPSK	22.50	22.31	PASS
n78	30	10	630334	1@22	DFT_QPSK	23.00	22.66	PASS
n78	30	10	630334	24@0	DFT_16QAM	21.00	20.51	PASS
n78	30	10	630334	12@6	DFT_16QAM	22.00	21.55	PASS
n78	30	10	630334	1@1	DFT_16QAM	21.50	21.50	PASS
n78	30	10	630334	1@22	DFT_16QAM	22.00	21.85	PASS
n78	30	10	630334	24@0	DFT_64QAM	20.50	20.05	PASS
n78	30	10	630334	12@6	DFT_64QAM	20.00	20.00	PASS
n78	30	10	630334	1@1	DFT_64QAM	20.00	19.83	PASS
n78	30	10	630334	1@22	DFT_64QAM	20.50	20.14	PASS
n78	30	10	630334	24@0	DFT_256QAM	18.50	18.08	PASS
n78	30	10	630334	12@6	DFT_256QAM	18.50	18.05	PASS
n78	30	10	630334	1@1	DFT_256QAM	18.50	18.08	PASS
n78	30	10	630334	1@22	DFT_256QAM	18.50	18.42	PASS
n78	30	10	630334	24@0	CP_QPSK	19.50	19.48	PASS
n78	30	10	630334	12@6	CP_QPSK	21.00	20.99	PASS
n78	30	10	630334	1@1	CP_QPSK	21.00	20.89	PASS
n78	30	10	630334	1@22	CP_QPSK	21.50	21.21	PASS
n78	30	10	630334	24@0	CP_16QAM	20.00	19.54	PASS
n78	30	10	630334	12@6	CP_16QAM	21.00	20.53	PASS
n78	30	10	630334	1@1	CP_16QAM	20.50	20.33	PASS
n78	30	10	630334	1@22	CP_16QAM	21.00	20.65	PASS
n78	30	10	630334	24@0	CP_64QAM	19.50	19.04	PASS
n78	30	10	630334	12@6	CP_64QAM	19.00	18.98	PASS
n78	30	10	630334	1@1	CP_64QAM	19.50	19.02	PASS
n78	30	10	630334	1@22	CP_64QAM	19.50	19.32	PASS
n78	30	10	630334	24@0	CP_256QAM	16.00	15.94	PASS
n78	30	10	630334	12@6	CP_256QAM	16.50	16.06	PASS
n78	30	10	630334	1@1	CP_256QAM	16.50	16.12	PASS
n78	30	10	630334	1@22	CP_256QAM	16.50	16.41	PASS
n78	30	10	641666	24@0	DFT_BPSK	24.00	23.87	PASS
n78	30	10	641666	12@6	DFT_BPSK	24.50	24.31	PASS
n78	30	10	641666	1@1	DFT_BPSK	24.50	24.28	PASS
n78	30	10	641666	1@22	DFT_BPSK	24.50	24.31	PASS
n78	30	10	641666	24@0	DFT_QPSK	23.50	23.36	PASS
n78	30	10	641666	12@6	DFT_QPSK	24.50	24.34	PASS

n78	30	10	641666	1@1	DFT_QPSK	24.50	24.40	PASS
n78	30	10	641666	1@22	DFT_QPSK	24.50	24.35	PASS
n78	30	10	641666	24@0	DFT_16QAM	22.50	22.42	PASS
n78	30	10	641666	12@6	DFT_16QAM	23.50	23.40	PASS
n78	30	10	641666	1@1	DFT_16QAM	23.50	23.40	PASS
n78	30	10	641666	1@22	DFT_16QAM	23.50	23.38	PASS
n78	30	10	641666	24@0	DFT_64QAM	22.00	21.84	PASS
n78	30	10	641666	12@6	DFT_64QAM	22.00	21.90	PASS
n78	30	10	641666	1@1	DFT_64QAM	22.00	21.99	PASS
n78	30	10	641666	1@22	DFT_64QAM	22.00	21.94	PASS
n78	30	10	641666	24@0	DFT_256QAM	20.00	19.88	PASS
n78	30	10	641666	12@6	DFT_256QAM	20.00	19.90	PASS
n78	30	10	641666	1@1	DFT_256QAM	20.50	20.09	PASS
n78	30	10	641666	1@22	DFT_256QAM	20.50	20.06	PASS
n78	30	10	641666	24@0	CP_QPSK	21.50	21.48	PASS
n78	30	10	641666	12@6	CP_QPSK	23.00	22.86	PASS
n78	30	10	641666	1@1	CP_QPSK	23.00	22.88	PASS
n78	30	10	641666	1@22	CP_QPSK	23.00	22.87	PASS
n78	30	10	641666	24@0	CP_16QAM	21.50	21.44	PASS
n78	30	10	641666	12@6	CP_16QAM	22.50	22.40	PASS
n78	30	10	641666	1@1	CP_16QAM	22.50	22.43	PASS
n78	30	10	641666	1@22	CP_16QAM	22.50	22.37	PASS
n78	30	10	641666	24@0	CP_64QAM	21.00	20.84	PASS
n78	30	10	641666	12@6	CP_64QAM	21.00	20.82	PASS
n78	30	10	641666	1@1	CP_64QAM	21.50	21.03	PASS
n78	30	10	641666	1@22	CP_64QAM	21.00	21.00	PASS
n78	30	10	641666	24@0	CP_256QAM	18.00	17.92	PASS
n78	30	10	641666	12@6	CP_256QAM	18.00	17.96	PASS
n78	30	10	641666	1@1	CP_256QAM	18.50	18.17	PASS
n78	30	10	641666	1@22	CP_256QAM	18.50	18.14	PASS
n78	30	10	653000	24@0	DFT_BPSK	23.50	23.25	PASS
n78	30	10	653000	12@6	DFT_BPSK	24.00	23.74	PASS
n78	30	10	653000	1@1	DFT_BPSK	24.00	23.65	PASS
n78	30	10	653000	1@22	DFT_BPSK	24.00	23.71	PASS
n78	30	10	653000	24@0	DFT_QPSK	23.00	22.72	PASS
n78	30	10	653000	12@6	DFT_QPSK	24.00	23.71	PASS
n78	30	10	653000	1@1	DFT_QPSK	24.00	23.71	PASS
n78	30	10	653000	1@22	DFT_QPSK	24.00	23.77	PASS

n78	30	10	653000	24@0	DFT_16QAM	22.00	21.76	PASS
n78	30	10	653000	12@6	DFT_16QAM	23.00	22.78	PASS
n78	30	10	653000	1@1	DFT_16QAM	23.00	22.72	PASS
n78	30	10	653000	1@22	DFT_16QAM	23.00	22.80	PASS
n78	30	10	653000	24@0	DFT_64QAM	21.50	21.16	PASS
n78	30	10	653000	12@6	DFT_64QAM	21.50	21.32	PASS
n78	30	10	653000	1@1	DFT_64QAM	21.50	21.32	PASS
n78	30	10	653000	1@22	DFT_64QAM	21.50	21.36	PASS
n78	30	10	653000	24@0	DFT_256QAM	19.50	19.36	PASS
n78	30	10	653000	12@6	DFT_256QAM	19.50	19.23	PASS
n78	30	10	653000	1@1	DFT_256QAM	19.50	19.39	PASS
n78	30	10	653000	1@22	DFT_256QAM	19.50	19.48	PASS
n78	30	10	653000	24@0	CP_QPSK	21.00	20.79	PASS
n78	30	10	653000	12@6	CP_QPSK	22.50	22.26	PASS
n78	30	10	653000	1@1	CP_QPSK	22.50	22.20	PASS
n78	30	10	653000	1@22	CP_QPSK	22.50	22.21	PASS
n78	30	10	653000	24@0	CP_16QAM	21.00	20.72	PASS
n78	30	10	653000	12@6	CP_16QAM	22.00	21.83	PASS
n78	30	10	653000	1@1	CP_16QAM	22.00	21.69	PASS
n78	30	10	653000	1@22	CP_16QAM	22.00	21.70	PASS
n78	30	10	653000	24@0	CP_64QAM	20.50	20.22	PASS
n78	30	10	653000	12@6	CP_64QAM	20.50	20.19	PASS
n78	30	10	653000	1@1	CP_64QAM	20.50	20.30	PASS
n78	30	10	653000	1@22	CP_64QAM	20.50	20.32	PASS
n78	30	10	653000	24@0	CP_256QAM	17.50	17.11	PASS
n78	30	10	653000	12@6	CP_256QAM	17.50	17.20	PASS
n78	30	10	653000	1@1	CP_256QAM	17.50	17.35	PASS
n78	30	10	653000	1@22	CP_256QAM	17.50	17.40	PASS
n78	30	15	630500	36@0	DFT_BPSK	22.50	22.19	PASS
n78	30	15	630500	18@9	DFT_BPSK	23.00	22.68	PASS
n78	30	15	630500	1@1	DFT_BPSK	22.50	22.44	PASS
n78	30	15	630500	1@36	DFT_BPSK	23.00	22.79	PASS
n78	30	15	630500	36@0	DFT_QPSK	22.00	21.72	PASS
n78	30	15	630500	18@9	DFT_QPSK	23.00	22.70	PASS
n78	30	15	630500	1@1	DFT_QPSK	22.50	22.48	PASS
n78	30	15	630500	1@36	DFT_QPSK	23.00	22.85	PASS
n78	30	15	630500	36@0	DFT_16QAM	21.00	20.72	PASS
n78	30	15	630500	18@9	DFT_16QAM	22.00	21.74	PASS

n78	30	15	630500	1@1	DFT_16QAM	21.50	21.49	PASS
n78	30	15	630500	1@36	DFT_16QAM	22.00	21.80	PASS
n78	30	15	630500	36@0	DFT_64QAM	20.50	20.24	PASS
n78	30	15	630500	18@9	DFT_64QAM	20.50	20.19	PASS
n78	30	15	630500	1@1	DFT_64QAM	20.50	20.06	PASS
n78	30	15	630500	1@36	DFT_64QAM	20.50	20.37	PASS
n78	30	15	630500	36@0	DFT_256QAM	18.50	18.30	PASS
n78	30	15	630500	18@9	DFT_256QAM	18.50	18.22	PASS
n78	30	15	630500	1@1	DFT_256QAM	18.50	18.22	PASS
n78	30	15	630500	1@36	DFT_256QAM	19.00	18.56	PASS
n78	30	15	630500	38@0	CP_QPSK	20.00	19.71	PASS
n78	30	15	630500	19@9	CP_QPSK	21.50	21.24	PASS
n78	30	15	630500	1@1	CP_QPSK	21.00	20.95	PASS
n78	30	15	630500	1@36	CP_QPSK	21.50	21.31	PASS
n78	30	15	630500	38@0	CP_16QAM	20.00	19.70	PASS
n78	30	15	630500	19@9	CP_16QAM	21.00	20.70	PASS
n78	30	15	630500	1@1	CP_16QAM	21.00	20.51	PASS
n78	30	15	630500	1@36	CP_16QAM	21.00	20.86	PASS
n78	30	15	630500	38@0	CP_64QAM	19.50	19.21	PASS
n78	30	15	630500	19@9	CP_64QAM	19.50	19.19	PASS
n78	30	15	630500	1@1	CP_64QAM	19.50	19.09	PASS
n78	30	15	630500	1@36	CP_64QAM	19.50	19.43	PASS
n78	30	15	630500	38@0	CP_256QAM	16.50	16.26	PASS
n78	30	15	630500	19@9	CP_256QAM	16.50	16.25	PASS
n78	30	15	630500	1@1	CP_256QAM	16.50	16.21	PASS
n78	30	15	630500	1@36	CP_256QAM	17.00	16.55	PASS
n78	30	15	641666	36@0	DFT_BPSK	24.00	23.97	PASS
n78	30	15	641666	18@9	DFT_BPSK	24.50	24.43	PASS
n78	30	15	641666	1@1	DFT_BPSK	24.50	24.41	PASS
n78	30	15	641666	1@36	DFT_BPSK	24.50	24.41	PASS
n78	30	15	641666	36@0	DFT_QPSK	23.50	23.44	PASS
n78	30	15	641666	18@9	DFT_QPSK	24.50	24.44	PASS
n78	30	15	641666	1@1	DFT_QPSK	24.50	24.48	PASS
n78	30	15	641666	1@36	DFT_QPSK	24.50	24.45	PASS
n78	30	15	641666	36@0	DFT_16QAM	23.00	22.52	PASS
n78	30	15	641666	18@9	DFT_16QAM	23.50	23.50	PASS
n78	30	15	641666	1@1	DFT_16QAM	23.50	23.49	PASS
n78	30	15	641666	1@36	DFT_16QAM	23.50	23.48	PASS

n78	30	15	641666	36@0	DFT_64QAM	22.50	22.02	PASS
n78	30	15	641666	18@9	DFT_64QAM	22.00	21.91	PASS
n78	30	15	641666	1@1	DFT_64QAM	22.50	22.03	PASS
n78	30	15	641666	1@36	DFT_64QAM	22.50	22.02	PASS
n78	30	15	641666	36@0	DFT_256QAM	20.50	20.05	PASS
n78	30	15	641666	18@9	DFT_256QAM	20.50	20.04	PASS
n78	30	15	641666	1@1	DFT_256QAM	20.50	20.21	PASS
n78	30	15	641666	1@36	DFT_256QAM	20.50	20.20	PASS
n78	30	15	641666	38@0	CP_QPSK	21.50	21.46	PASS
n78	30	15	641666	19@9	CP_QPSK	23.00	22.97	PASS
n78	30	15	641666	1@1	CP_QPSK	23.00	22.92	PASS
n78	30	15	641666	1@36	CP_QPSK	23.00	22.86	PASS
n78	30	15	641666	38@0	CP_16QAM	21.50	21.46	PASS
n78	30	15	641666	19@9	CP_16QAM	22.50	22.49	PASS
n78	30	15	641666	1@1	CP_16QAM	22.50	22.38	PASS
n78	30	15	641666	1@36	CP_16QAM	22.50	22.35	PASS
n78	30	15	641666	38@0	CP_64QAM	21.00	20.99	PASS
n78	30	15	641666	19@9	CP_64QAM	21.00	20.99	PASS
n78	30	15	641666	1@1	CP_64QAM	21.50	21.06	PASS
n78	30	15	641666	1@36	CP_64QAM	21.50	21.03	PASS
n78	30	15	641666	38@0	CP_256QAM	18.50	18.04	PASS
n78	30	15	641666	19@9	CP_256QAM	18.50	18.02	PASS
n78	30	15	641666	1@1	CP_256QAM	18.50	18.24	PASS
n78	30	15	641666	1@36	CP_256QAM	18.50	18.22	PASS
n78	30	15	652832	36@0	DFT_BPSK	23.50	23.29	PASS
n78	30	15	652832	18@9	DFT_BPSK	24.00	23.83	PASS
n78	30	15	652832	1@1	DFT_BPSK	24.00	23.66	PASS
n78	30	15	652832	1@36	DFT_BPSK	24.00	23.80	PASS
n78	30	15	652832	36@0	DFT_QPSK	23.00	22.80	PASS
n78	30	15	652832	18@9	DFT_QPSK	24.00	23.77	PASS
n78	30	15	652832	1@1	DFT_QPSK	24.00	23.68	PASS
n78	30	15	652832	1@36	DFT_QPSK	24.00	23.84	PASS
n78	30	15	652832	36@0	DFT_16QAM	22.00	21.79	PASS
n78	30	15	652832	18@9	DFT_16QAM	23.00	22.81	PASS
n78	30	15	652832	1@1	DFT_16QAM	23.00	22.70	PASS
n78	30	15	652832	1@36	DFT_16QAM	23.00	22.81	PASS
n78	30	15	652832	36@0	DFT_64QAM	21.50	21.32	PASS
n78	30	15	652832	18@9	DFT_64QAM	21.50	21.27	PASS

n78	30	15	652832	1@1	DFT_64QAM	21.50	21.20	PASS
n78	30	15	652832	1@36	DFT_64QAM	21.50	21.32	PASS
n78	30	15	652832	36@0	DFT_256QAM	19.50	19.31	PASS
n78	30	15	652832	18@9	DFT_256QAM	19.50	19.36	PASS
n78	30	15	652832	1@1	DFT_256QAM	19.50	19.35	PASS
n78	30	15	652832	1@36	DFT_256QAM	20.00	19.54	PASS
n78	30	15	652832	38@0	CP_QPSK	21.00	20.78	PASS
n78	30	15	652832	19@9	CP_QPSK	22.50	22.28	PASS
n78	30	15	652832	1@1	CP_QPSK	22.50	22.19	PASS
n78	30	15	652832	1@36	CP_QPSK	22.50	22.32	PASS
n78	30	15	652832	38@0	CP_16QAM	21.00	20.82	PASS
n78	30	15	652832	19@9	CP_16QAM	22.00	21.88	PASS
n78	30	15	652832	1@1	CP_16QAM	22.00	21.68	PASS
n78	30	15	652832	1@36	CP_16QAM	22.00	21.76	PASS
n78	30	15	652832	38@0	CP_64QAM	20.50	20.32	PASS
n78	30	15	652832	19@9	CP_64QAM	20.50	20.29	PASS
n78	30	15	652832	1@1	CP_64QAM	20.50	20.23	PASS
n78	30	15	652832	1@36	CP_64QAM	20.50	20.37	PASS
n78	30	15	652832	38@0	CP_256QAM	17.50	17.26	PASS
n78	30	15	652832	19@9	CP_256QAM	17.50	17.25	PASS
n78	30	15	652832	1@1	CP_256QAM	17.50	17.31	PASS
n78	30	15	652832	1@36	CP_256QAM	17.50	17.42	PASS
n78	30	20	630668	50@0	DFT_BPSK	22.50	22.30	PASS
n78	30	20	630668	25@12	DFT_BPSK	23.00	22.87	PASS
n78	30	20	630668	1@1	DFT_BPSK	23.00	22.55	PASS
n78	30	20	630668	1@49	DFT_BPSK	23.00	22.75	PASS
n78	30	20	630668	50@0	DFT_QPSK	22.00	21.79	PASS
n78	30	20	630668	25@12	DFT_QPSK	23.00	22.89	PASS
n78	30	20	630668	1@1	DFT_QPSK	23.00	22.60	PASS
n78	30	20	630668	1@49	DFT_QPSK	23.00	22.81	PASS
n78	30	20	630668	50@0	DFT_16QAM	21.00	20.86	PASS
n78	30	20	630668	25@12	DFT_16QAM	22.00	21.90	PASS
n78	30	20	630668	1@1	DFT_16QAM	22.00	21.55	PASS
n78	30	20	630668	1@49	DFT_16QAM	22.00	21.79	PASS
n78	30	20	630668	50@0	DFT_64QAM	20.50	20.33	PASS
n78	30	20	630668	25@12	DFT_64QAM	20.50	20.47	PASS
n78	30	20	630668	1@1	DFT_64QAM	20.50	20.15	PASS
n78	30	20	630668	1@49	DFT_64QAM	20.50	20.37	PASS

n78	30	20	630668	50@0	DFT_256QAM	18.50	18.36	PASS
n78	30	20	630668	25@12	DFT_256QAM	18.50	18.42	PASS
n78	30	20	630668	1@1	DFT_256QAM	18.50	18.38	PASS
n78	30	20	630668	1@49	DFT_256QAM	19.00	18.55	PASS
n78	30	20	630668	51@0	CP_QPSK	20.00	19.84	PASS
n78	30	20	630668	25@12	CP_QPSK	21.50	21.38	PASS
n78	30	20	630668	1@1	CP_QPSK	21.50	21.05	PASS
n78	30	20	630668	1@49	CP_QPSK	21.50	21.27	PASS
n78	30	20	630668	51@0	CP_16QAM	20.00	19.81	PASS
n78	30	20	630668	25@12	CP_16QAM	21.00	20.87	PASS
n78	30	20	630668	1@1	CP_16QAM	21.00	20.62	PASS
n78	30	20	630668	1@49	CP_16QAM	21.00	20.84	PASS
n78	30	20	630668	51@0	CP_64QAM	19.50	19.29	PASS
n78	30	20	630668	25@12	CP_64QAM	19.50	19.34	PASS
n78	30	20	630668	1@1	CP_64QAM	19.50	19.18	PASS
n78	30	20	630668	1@49	CP_64QAM	19.50	19.41	PASS
n78	30	20	630668	51@0	CP_256QAM	16.50	16.33	PASS
n78	30	20	630668	25@12	CP_256QAM	16.50	16.34	PASS
n78	30	20	630668	1@1	CP_256QAM	16.50	16.19	PASS
n78	30	20	630668	1@49	CP_256QAM	16.50	16.44	PASS
n78	30	20	641666	50@0	DFT_BPSK	24.50	24.02	PASS
n78	30	20	641666	25@12	DFT_BPSK	24.50	24.47	PASS
n78	30	20	641666	1@1	DFT_BPSK	24.50	24.49	PASS
n78	30	20	641666	1@49	DFT_BPSK	24.50	24.49	PASS
n78	30	20	641666	50@0	DFT_QPSK	24.00	23.55	PASS
n78	30	20	641666	25@12	DFT_QPSK	25.00	24.54	PASS
n78	30	20	641666	1@1	DFT_QPSK	25.00	24.54	PASS
n78	30	20	641666	1@49	DFT_QPSK	25.00	24.57	PASS
n78	30	20	641666	50@0	DFT_16QAM	23.00	22.58	PASS
n78	30	20	641666	25@12	DFT_16QAM	24.00	23.55	PASS
n78	30	20	641666	1@1	DFT_16QAM	23.50	23.50	PASS
n78	30	20	641666	1@49	DFT_16QAM	24.00	23.51	PASS
n78	30	20	641666	50@0	DFT_64QAM	22.50	22.05	PASS
n78	30	20	641666	25@12	DFT_64QAM	22.50	22.10	PASS
n78	30	20	641666	1@1	DFT_64QAM	22.50	22.12	PASS
n78	30	20	641666	1@49	DFT_64QAM	22.50	22.10	PASS
n78	30	20	641666	50@0	DFT_256QAM	20.50	20.14	PASS
n78	30	20	641666	25@12	DFT_256QAM	20.50	20.07	PASS

n78	30	20	641666	1@1	DFT_256QAM	20.50	20.30	PASS
n78	30	20	641666	1@49	DFT_256QAM	20.50	20.27	PASS
n78	30	20	641666	51@0	CP_QPSK	22.00	21.54	PASS
n78	30	20	641666	25@12	CP_QPSK	23.00	22.99	PASS
n78	30	20	641666	1@1	CP_QPSK	23.50	23.03	PASS
n78	30	20	641666	1@49	CP_QPSK	23.00	22.97	PASS
n78	30	20	641666	51@0	CP_16QAM	22.00	21.52	PASS
n78	30	20	641666	25@12	CP_16QAM	22.50	22.50	PASS
n78	30	20	641666	1@1	CP_16QAM	22.50	22.48	PASS
n78	30	20	641666	1@49	CP_16QAM	22.50	22.40	PASS
n78	30	20	641666	51@0	CP_64QAM	21.00	20.99	PASS
n78	30	20	641666	25@12	CP_64QAM	21.50	21.01	PASS
n78	30	20	641666	1@1	CP_64QAM	21.50	21.11	PASS
n78	30	20	641666	1@49	CP_64QAM	21.50	21.12	PASS
n78	30	20	641666	51@0	CP_256QAM	18.50	18.12	PASS
n78	30	20	641666	25@12	CP_256QAM	18.50	18.01	PASS
n78	30	20	641666	1@1	CP_256QAM	18.50	18.27	PASS
n78	30	20	641666	1@49	CP_256QAM	18.50	18.24	PASS
n78	30	20	652666	50@0	DFT_BPSK	23.50	23.31	PASS
n78	30	20	652666	25@12	DFT_BPSK	24.00	23.80	PASS
n78	30	20	652666	1@1	DFT_BPSK	24.00	23.52	PASS
n78	30	20	652666	1@49	DFT_BPSK	24.00	23.85	PASS
n78	30	20	652666	50@0	DFT_QPSK	23.00	22.83	PASS
n78	30	20	652666	25@12	DFT_QPSK	24.00	23.84	PASS
n78	30	20	652666	1@1	DFT_QPSK	24.00	23.57	PASS
n78	30	20	652666	1@49	DFT_QPSK	24.00	23.91	PASS
n78	30	20	652666	50@0	DFT_16QAM	22.00	21.86	PASS
n78	30	20	652666	25@12	DFT_16QAM	23.00	22.88	PASS
n78	30	20	652666	1@1	DFT_16QAM	23.00	22.53	PASS
n78	30	20	652666	1@49	DFT_16QAM	23.00	22.88	PASS
n78	30	20	652666	50@0	DFT_64QAM	21.50	21.36	PASS
n78	30	20	652666	25@12	DFT_64QAM	21.50	21.35	PASS
n78	30	20	652666	1@1	DFT_64QAM	21.50	21.11	PASS
n78	30	20	652666	1@49	DFT_64QAM	21.50	21.48	PASS
n78	30	20	652666	50@0	DFT_256QAM	19.50	19.36	PASS
n78	30	20	652666	25@12	DFT_256QAM	19.50	19.31	PASS
n78	30	20	652666	1@1	DFT_256QAM	19.50	19.25	PASS
n78	30	20	652666	1@49	DFT_256QAM	20.00	19.66	PASS

n78	30	20	652666	51@0	CP_QPSK	21.00	20.80	PASS
n78	30	20	652666	25@12	CP_QPSK	22.50	22.29	PASS
n78	30	20	652666	1@1	CP_QPSK	22.50	22.03	PASS
n78	30	20	652666	1@49	CP_QPSK	22.50	22.34	PASS
n78	30	20	652666	51@0	CP_16QAM	21.00	20.82	PASS
n78	30	20	652666	25@12	CP_16QAM	22.00	21.85	PASS
n78	30	20	652666	1@1	CP_16QAM	21.50	21.49	PASS
n78	30	20	652666	1@49	CP_16QAM	22.00	21.77	PASS
n78	30	20	652666	51@0	CP_64QAM	20.50	20.31	PASS
n78	30	20	652666	25@12	CP_64QAM	20.50	20.31	PASS
n78	30	20	652666	1@1	CP_64QAM	20.50	20.13	PASS
n78	30	20	652666	1@49	CP_64QAM	20.50	20.45	PASS
n78	30	20	652666	51@0	CP_256QAM	17.50	17.26	PASS
n78	30	20	652666	25@12	CP_256QAM	17.50	17.22	PASS
n78	30	20	652666	1@1	CP_256QAM	17.50	17.18	PASS
n78	30	20	652666	1@49	CP_256QAM	17.50	17.45	PASS
n78	30	40	631334	100@0	DFT_BPSK	22.50	22.26	PASS
n78	30	40	631334	50@25	DFT_BPSK	23.00	22.81	PASS
n78	30	40	631334	1@1	DFT_BPSK	23.00	22.58	PASS
n78	30	40	631334	1@104	DFT_BPSK	23.00	22.77	PASS
n78	30	40	631334	100@0	DFT_QPSK	22.00	21.79	PASS
n78	30	40	631334	50@25	DFT_QPSK	23.00	22.85	PASS
n78	30	40	631334	1@1	DFT_QPSK	23.00	22.66	PASS
n78	30	40	631334	1@104	DFT_QPSK	23.00	22.84	PASS
n78	30	40	631334	100@0	DFT_16QAM	21.00	20.78	PASS
n78	30	40	631334	50@25	DFT_16QAM	22.00	21.83	PASS
n78	30	40	631334	1@1	DFT_16QAM	22.00	21.69	PASS
n78	30	40	631334	1@104	DFT_16QAM	22.00	21.87	PASS
n78	30	40	631334	100@0	DFT_64QAM	20.50	20.33	PASS
n78	30	40	631334	50@25	DFT_64QAM	20.50	20.37	PASS
n78	30	40	631334	1@1	DFT_64QAM	20.50	20.18	PASS
n78	30	40	631334	1@104	DFT_64QAM	20.50	20.38	PASS
n78	30	40	631334	100@0	DFT_256QAM	18.50	18.33	PASS
n78	30	40	631334	50@25	DFT_256QAM	18.50	18.38	PASS
n78	30	40	631334	1@1	DFT_256QAM	18.50	18.39	PASS
n78	30	40	631334	1@104	DFT_256QAM	19.00	18.61	PASS
n78	30	40	631334	106@0	CP_QPSK	20.00	19.78	PASS
n78	30	40	631334	53@26	CP_QPSK	21.50	21.28	PASS

n78	30	40	631334	1@1	CP_QPSK	21.50	21.16	PASS
n78	30	40	631334	1@104	CP_QPSK	21.50	21.33	PASS
n78	30	40	631334	106@0	CP_16QAM	20.00	19.79	PASS
n78	30	40	631334	53@26	CP_16QAM	21.00	20.79	PASS
n78	30	40	631334	1@1	CP_16QAM	21.00	20.72	PASS
n78	30	40	631334	1@104	CP_16QAM	21.00	20.87	PASS
n78	30	40	631334	106@0	CP_64QAM	19.50	19.32	PASS
n78	30	40	631334	53@26	CP_64QAM	19.50	19.29	PASS
n78	30	40	631334	1@1	CP_64QAM	19.50	19.30	PASS
n78	30	40	631334	1@104	CP_64QAM	19.50	19.45	PASS
n78	30	40	631334	106@0	CP_256QAM	16.50	16.30	PASS
n78	30	40	631334	53@26	CP_256QAM	16.50	16.31	PASS
n78	30	40	631334	1@1	CP_256QAM	16.50	16.27	PASS
n78	30	40	631334	1@104	CP_256QAM	16.50	16.47	PASS
n78	30	40	641666	100@0	DFT_BPSK	24.50	24.07	PASS
n78	30	40	641666	50@25	DFT_BPSK	25.00	24.58	PASS
n78	30	40	641666	1@1	DFT_BPSK	25.00	24.54	PASS
n78	30	40	641666	1@104	DFT_BPSK	25.00	24.53	PASS
n78	30	40	641666	100@0	DFT_QPSK	24.00	23.59	PASS
n78	30	40	641666	50@25	DFT_QPSK	25.00	24.57	PASS
n78	30	40	641666	1@1	DFT_QPSK	24.50	24.50	PASS
n78	30	40	641666	1@104	DFT_QPSK	24.50	24.45	PASS
n78	30	40	641666	100@0	DFT_16QAM	23.00	22.64	PASS
n78	30	40	641666	50@25	DFT_16QAM	24.00	23.63	PASS
n78	30	40	641666	1@1	DFT_16QAM	24.00	23.67	PASS
n78	30	40	641666	1@104	DFT_16QAM	24.00	23.66	PASS
n78	30	40	641666	100@0	DFT_64QAM	22.50	22.14	PASS
n78	30	40	641666	50@25	DFT_64QAM	22.50	22.18	PASS
n78	30	40	641666	1@1	DFT_64QAM	22.50	22.08	PASS
n78	30	40	641666	1@104	DFT_64QAM	22.50	22.06	PASS
n78	30	40	641666	100@0	DFT_256QAM	20.50	20.16	PASS
n78	30	40	641666	50@25	DFT_256QAM	20.50	20.18	PASS
n78	30	40	641666	1@1	DFT_256QAM	20.50	20.26	PASS
n78	30	40	641666	1@104	DFT_256QAM	20.50	20.22	PASS
n78	30	40	641666	106@0	CP_QPSK	22.00	21.57	PASS
n78	30	40	641666	53@26	CP_QPSK	23.50	23.08	PASS
n78	30	40	641666	1@1	CP_QPSK	23.50	23.14	PASS
n78	30	40	641666	1@104	CP_QPSK	23.50	23.13	PASS

n78	30	40	641666	106@0	CP_16QAM	22.00	21.67	PASS
n78	30	40	641666	53@26	CP_16QAM	23.00	22.56	PASS
n78	30	40	641666	1@1	CP_16QAM	23.00	22.85	PASS
n78	30	40	641666	1@104	CP_16QAM	23.00	22.78	PASS
n78	30	40	641666	106@0	CP_64QAM	21.50	21.13	PASS
n78	30	40	641666	53@26	CP_64QAM	21.50	21.11	PASS
n78	30	40	641666	1@1	CP_64QAM	21.00	20.92	PASS
n78	30	40	641666	1@104	CP_64QAM	21.00	20.89	PASS
n78	30	40	641666	106@0	CP_256QAM	18.50	18.21	PASS
n78	30	40	641666	53@26	CP_256QAM	18.50	18.16	PASS
n78	30	40	641666	1@1	CP_256QAM	18.50	18.36	PASS
n78	30	40	641666	1@104	CP_256QAM	18.50	18.29	PASS
n78	30	40	652000	100@0	DFT_BPSK	23.00	22.99	PASS
n78	30	40	652000	50@25	DFT_BPSK	24.00	23.53	PASS
n78	30	40	652000	1@1	DFT_BPSK	23.00	22.97	PASS
n78	30	40	652000	1@104	DFT_BPSK	24.00	23.89	PASS
n78	30	40	652000	100@0	DFT_QPSK	23.00	22.52	PASS
n78	30	40	652000	50@25	DFT_QPSK	24.00	23.54	PASS
n78	30	40	652000	1@1	DFT_QPSK	23.00	23.00	PASS
n78	30	40	652000	1@104	DFT_QPSK	24.00	23.94	PASS
n78	30	40	652000	100@0	DFT_16QAM	22.00	21.54	PASS
n78	30	40	652000	50@25	DFT_16QAM	23.00	22.55	PASS
n78	30	40	652000	1@1	DFT_16QAM	22.50	22.03	PASS
n78	30	40	652000	1@104	DFT_16QAM	23.00	22.96	PASS
n78	30	40	652000	100@0	DFT_64QAM	21.50	21.04	PASS
n78	30	40	652000	50@25	DFT_64QAM	21.50	21.06	PASS
n78	30	40	652000	1@1	DFT_64QAM	21.00	20.55	PASS
n78	30	40	652000	1@104	DFT_64QAM	21.50	21.47	PASS
n78	30	40	652000	100@0	DFT_256QAM	19.50	19.05	PASS
n78	30	40	652000	50@25	DFT_256QAM	19.50	19.10	PASS
n78	30	40	652000	1@1	DFT_256QAM	19.00	18.75	PASS
n78	30	40	652000	1@104	DFT_256QAM	20.00	19.64	PASS
n78	30	40	652000	106@0	CP_QPSK	21.00	20.55	PASS
n78	30	40	652000	53@26	CP_QPSK	22.50	22.07	PASS
n78	30	40	652000	1@1	CP_QPSK	21.50	21.46	PASS
n78	30	40	652000	1@104	CP_QPSK	22.50	22.36	PASS
n78	30	40	652000	106@0	CP_16QAM	21.00	20.53	PASS
n78	30	40	652000	53@26	CP_16QAM	21.50	21.49	PASS

n78	30	40	652000	1@1	CP_16QAM	21.00	21.00	PASS
n78	30	40	652000	1@104	CP_16QAM	22.00	21.87	PASS
n78	30	40	652000	106@0	CP_64QAM	20.50	20.09	PASS
n78	30	40	652000	53@26	CP_64QAM	20.50	20.07	PASS
n78	30	40	652000	1@1	CP_64QAM	20.00	19.62	PASS
n78	30	40	652000	1@104	CP_64QAM	20.50	20.50	PASS
n78	30	40	652000	106@0	CP_256QAM	17.50	17.04	PASS
n78	30	40	652000	53@26	CP_256QAM	17.50	17.02	PASS
n78	30	40	652000	1@1	CP_256QAM	17.00	16.56	PASS
n78	30	40	652000	1@104	CP_256QAM	18.00	17.57	PASS
n78	30	50	631668	128@0	DFT_BPSK	22.50	22.35	PASS
n78	30	50	631668	64@32	DFT_BPSK	23.00	22.75	PASS
n78	30	50	631668	1@1	DFT_BPSK	23.00	22.62	PASS
n78	30	50	631668	1@131	DFT_BPSK	23.50	23.17	PASS
n78	30	50	631668	128@0	DFT_QPSK	22.00	21.84	PASS
n78	30	50	631668	64@32	DFT_QPSK	23.00	22.76	PASS
n78	30	50	631668	1@1	DFT_QPSK	23.00	22.68	PASS
n78	30	50	631668	1@131	DFT_QPSK	23.50	23.23	PASS
n78	30	50	631668	128@0	DFT_16QAM	21.00	20.89	PASS
n78	30	50	631668	64@32	DFT_16QAM	22.00	21.79	PASS
n78	30	50	631668	1@1	DFT_16QAM	22.00	21.78	PASS
n78	30	50	631668	1@131	DFT_16QAM	22.50	22.31	PASS
n78	30	50	631668	128@0	DFT_64QAM	20.50	20.37	PASS
n78	30	50	631668	64@32	DFT_64QAM	20.50	20.34	PASS
n78	30	50	631668	1@1	DFT_64QAM	20.50	20.22	PASS
n78	30	50	631668	1@131	DFT_64QAM	21.00	20.79	PASS
n78	30	50	631668	128@0	DFT_256QAM	18.50	18.40	PASS
n78	30	50	631668	64@32	DFT_256QAM	18.50	18.36	PASS
n78	30	50	631668	1@1	DFT_256QAM	18.50	18.48	PASS
n78	30	50	631668	1@131	DFT_256QAM	19.50	19.10	PASS
n78	30	50	631668	133@0	CP_QPSK	20.00	19.86	PASS
n78	30	50	631668	67@33	CP_QPSK	21.50	21.25	PASS
n78	30	50	631668	1@1	CP_QPSK	21.50	21.17	PASS
n78	30	50	631668	1@131	CP_QPSK	22.00	21.70	PASS
n78	30	50	631668	133@0	CP_16QAM	20.00	19.82	PASS
n78	30	50	631668	67@33	CP_16QAM	21.00	20.71	PASS
n78	30	50	631668	1@1	CP_16QAM	21.00	20.59	PASS
n78	30	50	631668	1@131	CP_16QAM	21.50	21.16	PASS

n78	30	50	631668	133@0	CP_64QAM	19.50	19.38	PASS
n78	30	50	631668	67@33	CP_64QAM	19.50	19.30	PASS
n78	30	50	631668	1@1	CP_64QAM	19.50	19.31	PASS
n78	30	50	631668	1@131	CP_64QAM	20.00	19.83	PASS
n78	30	50	631668	133@0	CP_256QAM	16.50	16.37	PASS
n78	30	50	631668	67@33	CP_256QAM	16.50	16.21	PASS
n78	30	50	631668	1@1	CP_256QAM	16.50	16.26	PASS
n78	30	50	631668	1@131	CP_256QAM	17.00	16.82	PASS
n78	30	50	641666	128@0	DFT_BPSK	24.50	24.09	PASS
n78	30	50	641666	64@32	DFT_BPSK	25.00	24.63	PASS
n78	30	50	641666	1@1	DFT_BPSK	25.00	24.54	PASS
n78	30	50	641666	1@131	DFT_BPSK	24.50	24.40	PASS
n78	30	50	641666	128@0	DFT_QPSK	24.00	23.65	PASS
n78	30	50	641666	64@32	DFT_QPSK	25.00	24.63	PASS
n78	30	50	641666	1@1	DFT_QPSK	25.00	24.60	PASS
n78	30	50	641666	1@131	DFT_QPSK	24.50	24.46	PASS
n78	30	50	641666	128@0	DFT_16QAM	23.00	22.63	PASS
n78	30	50	641666	64@32	DFT_16QAM	24.00	23.67	PASS
n78	30	50	641666	1@1	DFT_16QAM	24.00	23.63	PASS
n78	30	50	641666	1@131	DFT_16QAM	24.00	23.53	PASS
n78	30	50	641666	128@0	DFT_64QAM	22.50	22.16	PASS
n78	30	50	641666	64@32	DFT_64QAM	22.50	22.19	PASS
n78	30	50	641666	1@1	DFT_64QAM	22.50	22.14	PASS
n78	30	50	641666	1@131	DFT_64QAM	22.00	21.98	PASS
n78	30	50	641666	128@0	DFT_256QAM	20.50	20.22	PASS
n78	30	50	641666	64@32	DFT_256QAM	20.50	20.24	PASS
n78	30	50	641666	1@1	DFT_256QAM	20.50	20.36	PASS
n78	30	50	641666	1@131	DFT_256QAM	20.50	20.29	PASS
n78	30	50	641666	133@0	CP_QPSK	22.00	21.60	PASS
n78	30	50	641666	67@33	CP_QPSK	23.50	23.13	PASS
n78	30	50	641666	1@1	CP_QPSK	23.50	23.09	PASS
n78	30	50	641666	1@131	CP_QPSK	23.00	22.93	PASS
n78	30	50	641666	133@0	CP_16QAM	22.00	21.60	PASS
n78	30	50	641666	67@33	CP_16QAM	23.00	22.60	PASS
n78	30	50	641666	1@1	CP_16QAM	23.00	22.58	PASS
n78	30	50	641666	1@131	CP_16QAM	22.50	22.41	PASS
n78	30	50	641666	133@0	CP_64QAM	21.50	21.14	PASS
n78	30	50	641666	67@33	CP_64QAM	21.50	21.20	PASS

n78	30	50	641666	1@1	CP_64QAM	21.50	21.23	PASS
n78	30	50	641666	1@131	CP_64QAM	21.50	21.06	PASS
n78	30	50	641666	133@0	CP_256QAM	18.50	18.17	PASS
n78	30	50	641666	67@33	CP_256QAM	18.50	18.17	PASS
n78	30	50	641666	1@1	CP_256QAM	18.50	18.33	PASS
n78	30	50	641666	1@131	CP_256QAM	18.50	18.11	PASS
n78	30	50	651666	128@0	DFT_BPSK	23.00	22.98	PASS
n78	30	50	651666	64@32	DFT_BPSK	23.50	23.45	PASS
n78	30	50	651666	1@1	DFT_BPSK	23.50	23.08	PASS
n78	30	50	651666	1@131	DFT_BPSK	24.00	23.94	PASS
n78	30	50	651666	128@0	DFT_QPSK	23.00	22.53	PASS
n78	30	50	651666	64@32	DFT_QPSK	23.50	23.42	PASS
n78	30	50	651666	1@1	DFT_QPSK	23.50	23.15	PASS
n78	30	50	651666	1@131	DFT_QPSK	24.50	24.01	PASS
n78	30	50	651666	128@0	DFT_16QAM	21.50	21.50	PASS
n78	30	50	651666	64@32	DFT_16QAM	22.50	22.46	PASS
n78	30	50	651666	1@1	DFT_16QAM	22.50	22.20	PASS
n78	30	50	651666	1@131	DFT_16QAM	23.50	23.04	PASS
n78	30	50	651666	128@0	DFT_64QAM	21.50	21.03	PASS
n78	30	50	651666	64@32	DFT_64QAM	21.50	21.02	PASS
n78	30	50	651666	1@1	DFT_64QAM	21.00	20.69	PASS
n78	30	50	651666	1@131	DFT_64QAM	21.50	21.50	PASS
n78	30	50	651666	128@0	DFT_256QAM	19.50	19.07	PASS
n78	30	50	651666	64@32	DFT_256QAM	19.50	19.02	PASS
n78	30	50	651666	1@1	DFT_256QAM	19.00	18.98	PASS
n78	30	50	651666	1@131	DFT_256QAM	20.00	19.77	PASS
n78	30	50	651666	133@0	CP_QPSK	21.00	20.52	PASS
n78	30	50	651666	67@33	CP_QPSK	22.00	21.91	PASS
n78	30	50	651666	1@1	CP_QPSK	22.00	21.61	PASS
n78	30	50	651666	1@131	CP_QPSK	22.50	22.47	PASS
n78	30	50	651666	133@0	CP_16QAM	21.00	20.53	PASS
n78	30	50	651666	67@33	CP_16QAM	21.50	21.38	PASS
n78	30	50	651666	1@1	CP_16QAM	21.50	21.13	PASS
n78	30	50	651666	1@131	CP_16QAM	22.00	21.95	PASS
n78	30	50	651666	133@0	CP_64QAM	20.50	20.06	PASS
n78	30	50	651666	67@33	CP_64QAM	20.00	20.00	PASS
n78	30	50	651666	1@1	CP_64QAM	20.00	19.78	PASS
n78	30	50	651666	1@131	CP_64QAM	21.00	20.58	PASS

n78	30	50	651666	133@0	CP_256QAM	17.50	17.03	PASS
n78	30	50	651666	67@33	CP_256QAM	17.00	16.87	PASS
n78	30	50	651666	1@1	CP_256QAM	17.00	16.67	PASS
n78	30	50	651666	1@131	CP_256QAM	18.00	17.60	PASS
n78	30	60	632000	162@0	DFT_BPSK	22.50	22.40	PASS
n78	30	60	632000	81@40	DFT_BPSK	23.00	22.79	PASS
n78	30	60	632000	1@1	DFT_BPSK	23.00	22.63	PASS
n78	30	60	632000	1@160	DFT_BPSK	23.50	23.13	PASS
n78	30	60	632000	162@0	DFT_QPSK	22.00	21.92	PASS
n78	30	60	632000	81@40	DFT_QPSK	23.00	22.76	PASS
n78	30	60	632000	1@1	DFT_QPSK	23.00	22.67	PASS
n78	30	60	632000	1@160	DFT_QPSK	23.50	23.18	PASS
n78	30	60	632000	162@0	DFT_16QAM	21.00	20.93	PASS
n78	30	60	632000	81@40	DFT_16QAM	22.00	21.79	PASS
n78	30	60	632000	1@1	DFT_16QAM	22.00	21.71	PASS
n78	30	60	632000	1@160	DFT_16QAM	22.50	22.21	PASS
n78	30	60	632000	162@0	DFT_64QAM	20.50	20.43	PASS
n78	30	60	632000	81@40	DFT_64QAM	20.50	20.39	PASS
n78	30	60	632000	1@1	DFT_64QAM	20.50	20.21	PASS
n78	30	60	632000	1@160	DFT_64QAM	21.00	20.68	PASS
n78	30	60	632000	162@0	DFT_256QAM	19.00	18.52	PASS
n78	30	60	632000	81@40	DFT_256QAM	18.50	18.27	PASS
n78	30	60	632000	1@1	DFT_256QAM	18.50	18.43	PASS
n78	30	60	632000	1@160	DFT_256QAM	19.00	18.94	PASS
n78	30	60	632000	162@0	CP_QPSK	20.00	19.91	PASS
n78	30	60	632000	81@40	CP_QPSK	21.50	21.25	PASS
n78	30	60	632000	1@1	CP_QPSK	21.50	21.11	PASS
n78	30	60	632000	1@160	CP_QPSK	22.00	21.62	PASS
n78	30	60	632000	162@0	CP_16QAM	20.00	19.98	PASS
n78	30	60	632000	81@40	CP_16QAM	21.00	20.75	PASS
n78	30	60	632000	1@1	CP_16QAM	21.00	20.67	PASS
n78	30	60	632000	1@160	CP_16QAM	21.50	21.19	PASS
n78	30	60	632000	162@0	CP_64QAM	19.50	19.48	PASS
n78	30	60	632000	81@40	CP_64QAM	19.50	19.33	PASS
n78	30	60	632000	1@1	CP_64QAM	19.50	19.29	PASS
n78	30	60	632000	1@160	CP_64QAM	20.00	19.76	PASS
n78	30	60	632000	162@0	CP_256QAM	16.50	16.39	PASS
n78	30	60	632000	81@40	CP_256QAM	16.50	16.28	PASS

n78	30	60	632000	1@1	CP_256QAM	16.50	16.29	PASS
n78	30	60	632000	1@160	CP_256QAM	17.00	16.83	PASS
n78	30	60	641666	162@0	DFT_BPSK	24.50	24.07	PASS
n78	30	60	641666	81@40	DFT_BPSK	25.00	24.61	PASS
n78	30	60	641666	1@1	DFT_BPSK	24.50	24.50	PASS
n78	30	60	641666	1@160	DFT_BPSK	24.50	24.41	PASS
n78	30	60	641666	162@0	DFT_QPSK	24.00	23.56	PASS
n78	30	60	641666	81@40	DFT_QPSK	25.00	24.60	PASS
n78	30	60	641666	1@1	DFT_QPSK	25.00	24.56	PASS
n78	30	60	641666	1@160	DFT_QPSK	24.50	24.43	PASS
n78	30	60	641666	162@0	DFT_16QAM	23.00	22.61	PASS
n78	30	60	641666	81@40	DFT_16QAM	24.00	23.62	PASS
n78	30	60	641666	1@1	DFT_16QAM	24.00	23.62	PASS
n78	30	60	641666	1@160	DFT_16QAM	23.50	23.48	PASS
n78	30	60	641666	162@0	DFT_64QAM	22.50	22.13	PASS
n78	30	60	641666	81@40	DFT_64QAM	22.50	22.21	PASS
n78	30	60	641666	1@1	DFT_64QAM	22.50	22.08	PASS
n78	30	60	641666	1@160	DFT_64QAM	22.00	21.96	PASS
n78	30	60	641666	162@0	DFT_256QAM	20.50	20.13	PASS
n78	30	60	641666	81@40	DFT_256QAM	20.50	20.15	PASS
n78	30	60	641666	1@1	DFT_256QAM	20.50	20.29	PASS
n78	30	60	641666	1@160	DFT_256QAM	20.50	20.21	PASS
n78	30	60	641666	162@0	CP_QPSK	22.00	21.59	PASS
n78	30	60	641666	81@40	CP_QPSK	23.50	23.07	PASS
n78	30	60	641666	1@1	CP_QPSK	23.50	23.01	PASS
n78	30	60	641666	1@160	CP_QPSK	23.00	22.89	PASS
n78	30	60	641666	162@0	CP_16QAM	22.00	21.61	PASS
n78	30	60	641666	81@40	CP_16QAM	23.00	22.61	PASS
n78	30	60	641666	1@1	CP_16QAM	22.50	22.50	PASS
n78	30	60	641666	1@160	CP_16QAM	22.50	22.34	PASS
n78	30	60	641666	162@0	CP_64QAM	21.50	21.14	PASS
n78	30	60	641666	81@40	CP_64QAM	21.50	21.12	PASS
n78	30	60	641666	1@1	CP_64QAM	21.50	21.17	PASS
n78	30	60	641666	1@160	CP_64QAM	21.50	21.02	PASS
n78	30	60	641666	162@0	CP_256QAM	18.50	18.15	PASS
n78	30	60	641666	81@40	CP_256QAM	18.50	18.13	PASS
n78	30	60	641666	1@1	CP_256QAM	18.50	18.32	PASS
n78	30	60	641666	1@160	CP_256QAM	18.50	18.07	PASS