



TEST REPORT

No.I20N02441-SAR

For

Wingtech Group (Hongkong) Limited

Multi-band WCDMA/LTE MIFI with WLAN

Model Name: CT2MHS01

With

Hardware Version: 89323_1_21

Software Version: CT2MHS01_0.01.41

FCC ID: 2APXW-CT2MHS01

Issued Date: 2020-10-16

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

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REPORT HISTORY

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1. Summary of Test Report

1.1. Test Items

Description:	Multi-band WCDMA/LTE MIFI with WLAN
Model Name:	CT2MHS01
Applicant's name:	Wingtech Group (Hongkong) Limited
Manufacturer's Name:	Wingtech Group (Hongkong) Limited

1.2. Test Standards

ANSI C95.1-1992, IEEE 1528-2013

1.3. Test Result

Pass. Please refer to "14. Summary of Test Results"

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

1.5. Project Data

Testing Start Date: 2020-09-08

Testing End Date: 2020-09-14

1.6. Signature

Li Yongfu

(Prepared this test report)

Zhang Yunzhan

(Reviewed this test report)

Cao Junfei

(Approved this test report)

2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for Wingtech Group (Hongkong) Limited Multi-band WCDMA/LTE MIFI with WLAN CT2MHS01 is as follows:

Table 2.1: Highest Reported SAR (1g)

Exposure Configuration	Technology Band	Highest Reported SAR 1g(W/kg) Non-USB	Highest Reported SAR 1g(W/kg) USB	Equipment Class
Hotspot (Separation Distance 10mm)	UMTS FDD 2	0.65	0.65	PCE
	UMTS FDD 4	0.75	0.75	
	UMTS FDD 5	0.88	0.88	
	LTE Band 2	0.97	0.97	
	LTE Band 5	0.59	0.55	
	LTE Band 12	0.60	0.52	
	LTE Band 14	0.56	0.52	
	LTE Band 30	0.54	0.51	
	LTE Band 66	0.78	0.78	
	WLAN 2.4 GHz	0.26	0.26	DTS
	WLAN 5 GHz	0.41	0.54	UNII

The SAR values found for the Mobile Phone are below the maximum recommended levels of 1.6 W/kg as averaged over any 1g tissue according to the ANSI C95.1-1992.

For body operation, this device has been tested and meets FCC RF exposure guidelines when used with any accessory that contains no metal and which provides a minimum separation distance of 0/10/15 mm between this device and the body of the user. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power output.

The measurement together with the test system set-up is described in annex C of this test report. A detailed description of the equipment under test can be found in chapter 4 of this test report. The highest reported SAR value is obtained at the case of **(Table 2.1)**, and the values are: **0.97 W/kg(1g)**.

Table 2.2: The sum of reported SAR values for Main antenna and WiFi-2.4G (Non-USB)

	Position	Cellular antenna	WiFi2.4G	Sum
Highest reported SAR value for Head	Front 15mm	0.97	0.22	1.19

Table 2.3: The sum of reported SAR values for Main antenna + WiFi-5G (Non-USB)

	Position	Cellular antenna	WiFi-5G	Sum
Maximum reported SAR value for Body	Front 15mm	0.97	0.22	1.19

Table 2.4: The sum of reported SAR values for Main antenna and WiFi-2.4G (USB)

	Position	Cellular antenna	WiFi2.4G	Sum
Highest reported SAR value for Head	Rear 0mm	0.96	0.24	1.20

Table 2.5: The sum of reported SAR values for Main antenna + WiFi-5G (USB)

	Position	Cellular antenna	WiFi-5G	Sum
Maximum reported SAR value for Body	Front 15mm	0.97	0.22	1.19

According to the above tables, the highest sum of reported SAR values is **1.20 W/kg (1g)**. The detail for simultaneous transmission consideration is described in chapter 13.

3. Client Information

3.1. Applicant Information

Company Name:	Wingtech Group (Hongkong) Limited
Address/Post:	Flat/RM 1903 ,19/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, Kowloon, Hongkong.
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Contact Email:	sharui@wingtech.com
Telephone:	+86-13917939276
Fax	/

3.2. Manufacturer Information

Company Name:	Wingtech Group (Hongkong) Limited
Address/Post:	Flat/RM 1903 ,19/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, Kowloon, Hongkong.
Contact Person:	Rui Sha
Contact Email:	sharui@wingtech.com
Telephone:	+86-13917939276
Fax	/

4. Equipment Under Test (EUT) and Ancillary Equipment (AE)

4.1. About EUT

Description:	Multi-band WCDMA/LTE MIFI with WLAN
Model name:	CT2MHS01
Operating mode(s):	WCDMA850/1700/1900, Wi-Fi LTE Band 2/4/512/14/29/30/66
Tested Tx Frequency:	824–849 MHz (WCDMA 850 Band V)
	1710 – 1755 MHz (WCDMA 1700 Band IV)
	1850–1910 MHz (WCDMA1900 Band II)
	1850 – 1910 MHz (LTE Band 2)
	824 – 849 MHz (LTE Band 5)
	699.7 – 715.3 MHz (LTE Band 12)
	788 –798 MHz (LTE Band 14)
	2307.5 – 2312.5MHz(LTE Band 30)
	1710.7 – 1779.3 MHz (LTE Band 66)
	2412 – 2462 MHz (Wi-Fi 2.4G)
	5.15 – 5.825 GHz(Wi-Fi 5G)
Test device Production information:	Production unit
Device type:	Portable device
Antenna type:	Integrated antenna

4.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version
UT02aa	353929580017120	89323_1_21	CT2MHS01_0.01.41
UT03aa	353929580012600	89323_1_21	CT2MHS01_0.01.41
UT04aa	353929580017161	89323_1_21	CT2MHS01_0.01.41
UT05aa	353929580017021	89323_1_21	CT2MHS01_0.01.41
UT06aa	353929580015710	89323_1_21	CT2MHS01_0.01.41
UT07aa	353929580017310	89323_1_21	CT2MHS01_0.01.41

*EUT ID: is used to identify the test sample in the lab internally.

Note: It is performed to test SAR with the UT02aa-03aa and conducted power with the UT04aa-05aa.

4.3. Internal Identification of AE used during the test

AE ID*	Description	Model	SN	Manufacturer
AE1	Battery	MF01	/	Jiade Energy Technology (Zhuhai) Co.,Ltd.

*AE ID: is used to identify the test sample in the lab internally.

5. Test Methodology

5.1. Applicable Limit Regulations

ANSI C95.1–1992:IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

It specifies the maximum exposure limit of **1.6 W/kg** as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

5.2. Applicable Measurement Standards

IEEE 1528–2013: Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques.

KDB447498 D01: General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

KDB447498 D02: SAR Procedures for Dongle Xmtr v02r01: SAR Measurement Procedures for USB Dongle Transmitters

KDB941225 D05 SAR for LTE Devices v02r05: SAR Evaluation Considerations for LTE Devices

KDB865664 D01SAR measurement 100 MHz to 6 GHz v01r04: SAR Measurement Requirements for 100 MHz to 6 GHz.

KDB865664 D02RF Exposure Reporting v01r02: RF Exposure Compliance Reporting and Documentation Considerations.

KDB248227 D01 802.11 Wi-Fi SAR v02r02: SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

6. Specific Absorption Rate (SAR)

6.1. Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

6.2. SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

SAR is expressed in units of Watts per kilogram (W/kg)

SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = c \left(\frac{\delta T}{\delta t} \right)$$

Where: C is the specific heat capacity, δT is the temperature rise and δt is the exposure duration, or related to the electrical field in the tissue by

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of tissue and E is the RMS electrical field strength.

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

7. Tissue Simulating Liquids

7.1. Targets for tissue simulating liquid

Table 7.1: Targets for tissue simulating liquid

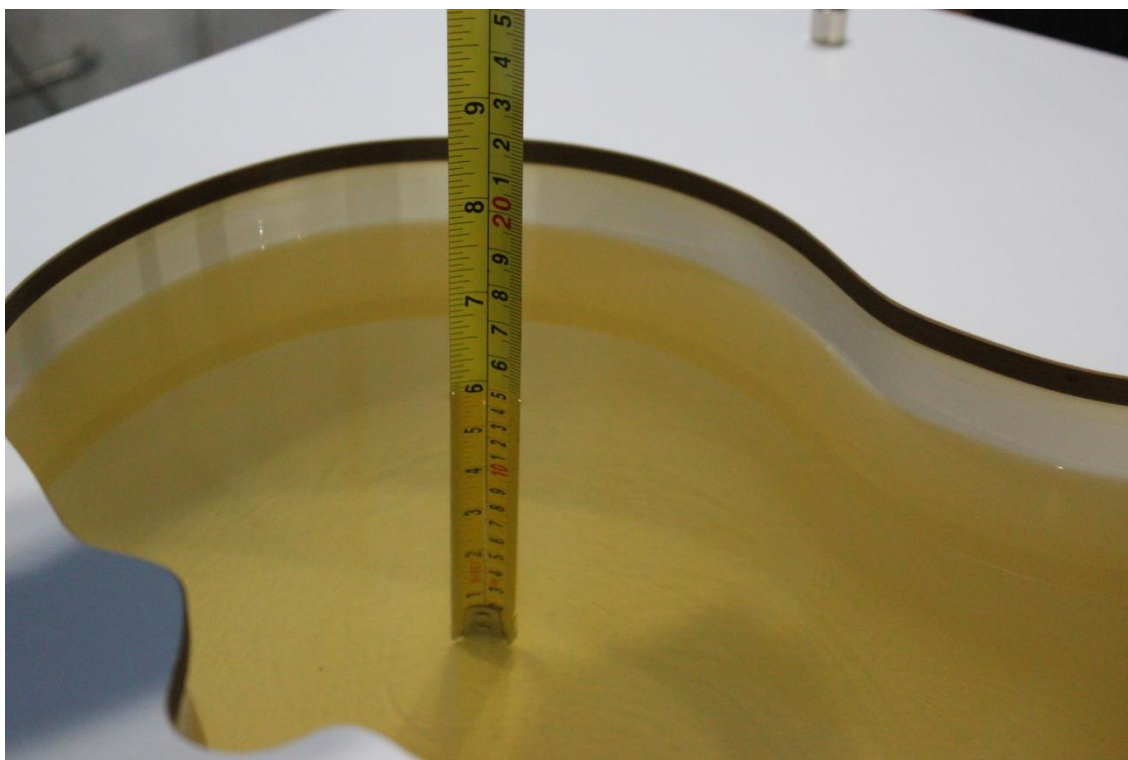
Frequency(MHz)	Liquid Type	Conductivity(σ)	$\pm 5\%$ Range	Permittivity(ϵ)	$\pm 5\%$ Range
750	Head	0.89	0.85~0.93	41.94	39.8~44.0
835	Head	0.90	0.86~0.95	41.5	39.4~43.6
1750	Head	1.37	1.30~1.44	40.08	38.1~42.1
1900	Head	1.40	1.33~1.47	40.0	38.0~42.0
2300	Head	1.67	1.59~1.75	39.47	37.5~41.4
2450	Head	1.80	1.71~1.89	39.2	37.2~41.2
5250	Head	4.71	4.47~4.95	35.93	34.13~37.73
5600	Head	5.07	4.82~5.32	35.53	33.8~37.3
5750	Head	5.22	4.96~5.48	35.36	33.59~37.13

7.2. Dielectric Performance

Table 7.2: Dielectric Performance of Tissue Simulating Liquid

Measurement Date (yyyy-mm-dd)	Type	Frequency	Permittivity ϵ	Drift (%)	Conductivity σ (S/m)	Drift (%)
2020/9/8	Head	750 MHz	42.50	1.34	0.890	0.00
2020/9/9	Head	835 MHz	40.69	-1.95	0.888	-1.33
2020/9/10	Head	1750 MHz	40.20	0.30	1.354	-1.17
2020/9/11	Head	1900 MHz	39.38	-1.55	1.411	0.79
2020/9/12	Head	2300 MHz	40.14	1.62	1.687	1.02
2020/9/13	Head	2450 MHz	39.20	0.00	1.796	-0.22
2020/9/14	Head	5250 MHz	36.07	0.39	4.729	0.40
2020/9/14	Head	5600 MHz	35.75	0.62	5.153	1.64
2020/9/14	Head	5750 MHz	35.73	1.05	5.201	-0.36

Note: The liquid temperature is 22.0°C



Picture 7-1 Liquid depth in the Head Phantom (750MHz)



Picture 7-2 Liquid depth in the Head Phantom (835 MHz)



Picture 7-3 Liquid depth in the Head Phantom (1750 MHz)



Picture 7-4 Liquid depth in the Head Phantom (1900 MHz)



Picture 7-5 Liquid depth in the Head Phantom (2300MHz)



Picture 7-6 Liquid depth in the Head Phantom (2450 MHz)

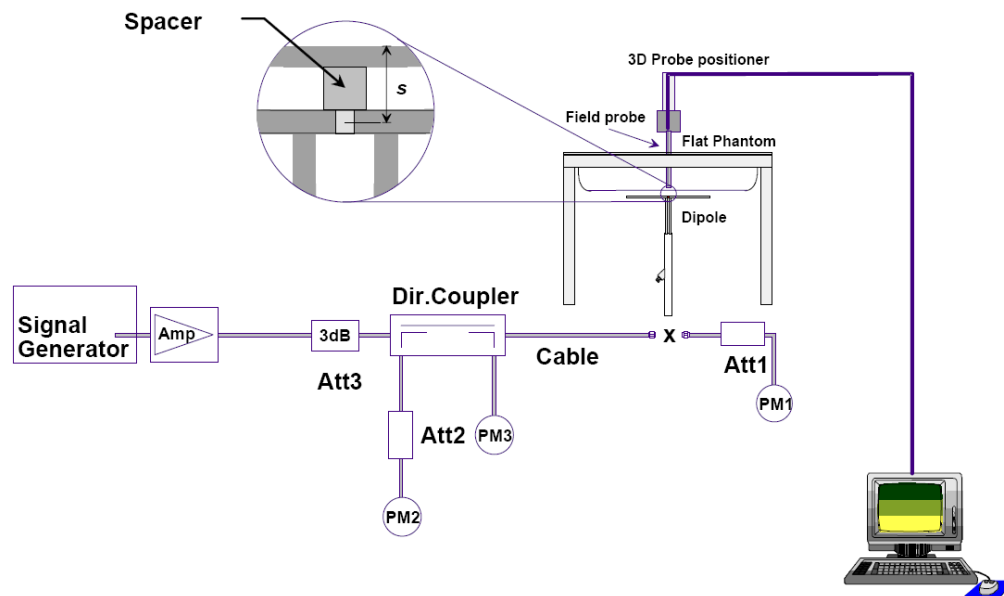


Picture 7-7 Liquid depth in the Head Phantom (5GHz)

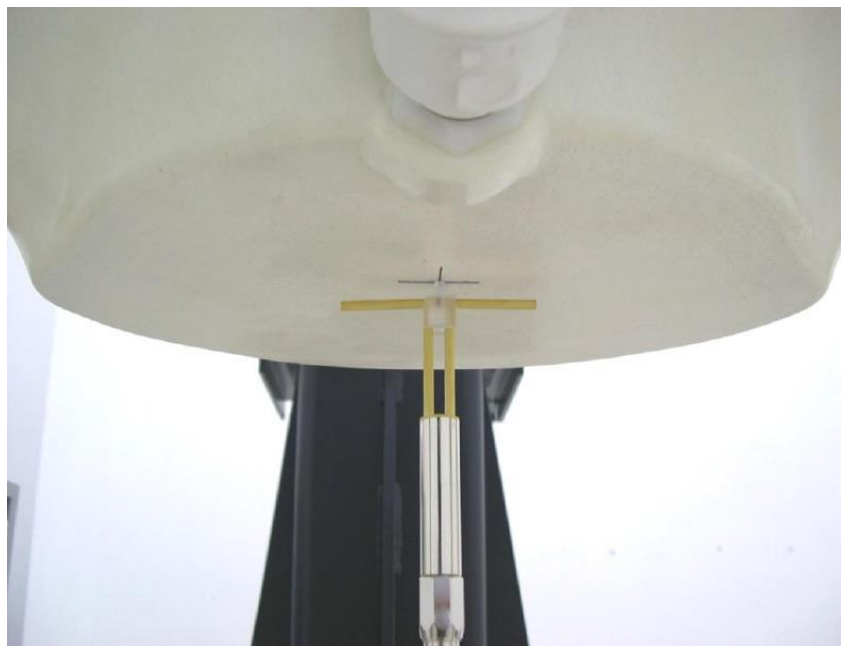
8. System verification

8.1. System Setup

In the simplified setup for system evaluation, the DUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



Picture 8.1 System Setup for System Evaluation



Picture 8.2 Photo of Dipole Setup

8.2. System Verification

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device.

The system verification results are required that the area scan estimated 1-g SAR is within 3% of the zoom scan 1-g SAR. The details are presented in annex B.

Table 8.1: System Verification of Head

Measurement Date (yyyy-mm-dd)	Frequency	Target value (W/kg)		Measured value (W/kg)		Deviation (%)	
		10 g Average	1 g Average	10 g Average	1 g Average	10 g Average	1 g Average
2020/9/8	750 MHz	5.70	8.53	5.44	8.64	-4.56	1.29
2020/9/9	835 MHz	6.29	9.62	6.20	9.72	-1.43	1.04
2020/9/10	1750 MHz	19.30	36.40	19.48	36.36	0.93	-0.11
2020/9/11	1900 MHz	21.00	40.50	20.52	39.96	-2.29	-1.33
2020/9/12	2300 MHz	23.70	49.10	24.08	49.24	1.60	0.29
2020/9/13	2450 MHz	24.10	52.00	24.56	52.32	1.91	0.62
2020/9/14	5250 MHz	22.30	78.00	23.20	80.00	4.04	2.56
2020/9/14	5600 MHz	22.70	79.50	23.50	83.50	3.52	5.03
2020/9/14	5750 MHz	22.20	78.40	23.00	79.60	3.60	1.53

9. Measurement Procedures

9.1. Tests to be performed

In order to determine the highest value of the peak spatial-average SAR of a handset, all device positions, configurations and operational modes shall be tested for each frequency band according to steps 1 to 3 below. A flowchart of the test process is shown in picture 9.1.

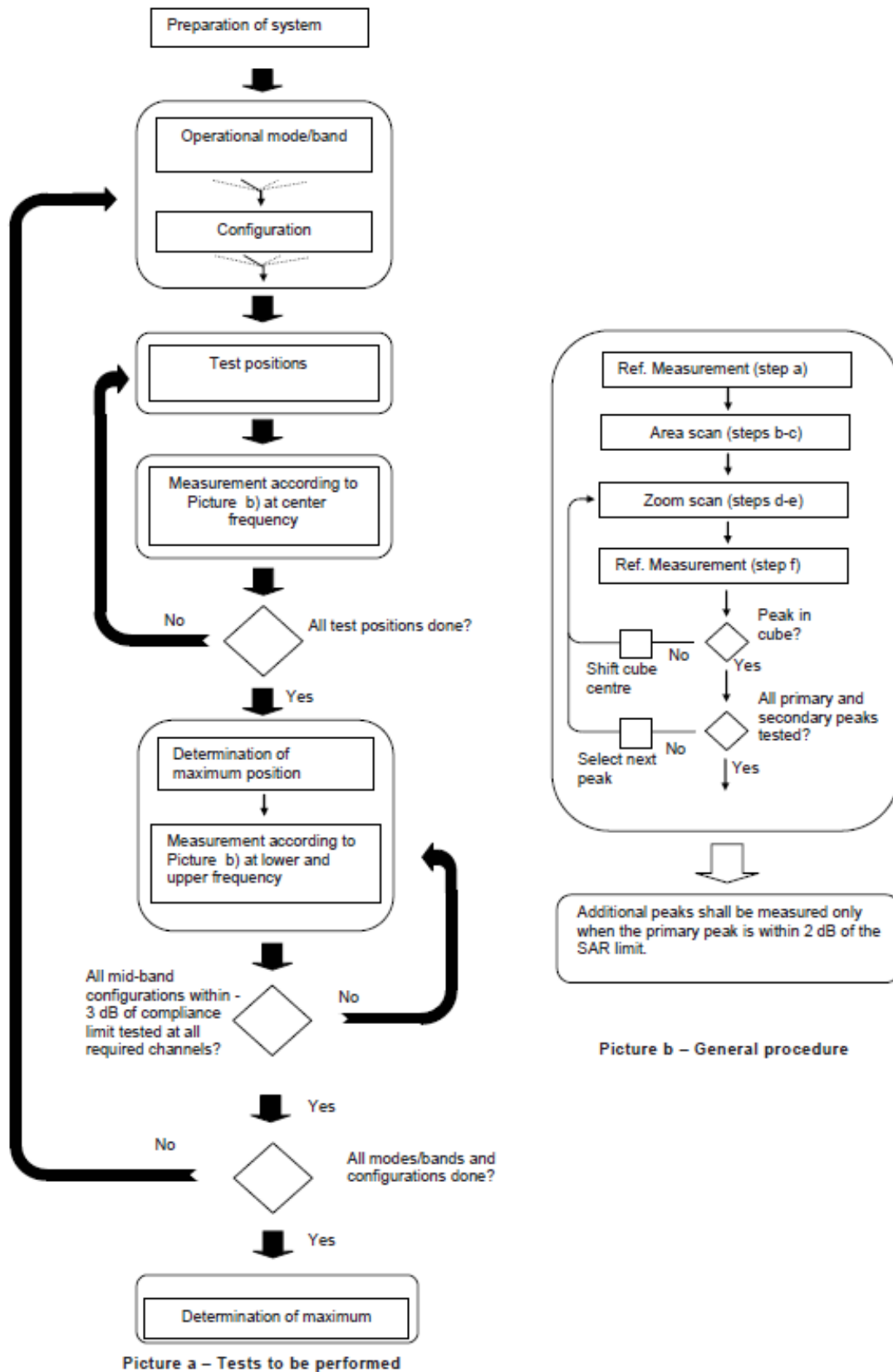
Step 1: The tests described in 9.2 shall be performed at the channel that is closest to the centre of the transmit frequency band (•) for:

- a) all device positions (cheek and tilt, for both left and right sides of the SAM phantom, as described in annex D),
- b) all configurations for each device position in a), e.g., antenna extended and retracted, and
- c) all operational modes, e.g., analogue and digital, for each device position in a) and configuration in b) in each frequency band.

If more than three frequencies need to be tested according to 11.1 (i.e., $N_c > 3$), then all frequencies, configurations and modes shall be tested for all of the above test conditions.

Step 2: For the condition providing highest peak spatial-average SAR determined in Step 1, perform all tests described in 9.2 at all other test frequencies, i.e., lowest and highest frequencies. In addition, for all other conditions (device position, configuration and operational mode) where the peak spatial-average SAR value determined in Step 1 is within 3 dB of the applicable SAR limit, it is recommended that all other test frequencies shall be tested as well.

Step 3: Examine all data to determine the highest value of the peak spatial-average SAR found in Steps 1 to 2.



Picture 9.1Block diagram of the tests to be performed

9.2. General Measurement Procedure

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements and fully documented in SAR reports to qualify for TCB approval. Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2003. The results should be documented as part of the system validation records and may be requested to support test results when all the measurement parameters in the following table are not satisfied.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ 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: Δx_{Area} , Δy_{Area}			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 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: Δx_{Zoom} , Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 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 <u>reported</u> SAR from the area scan based 1-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 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.				

9.3. SAR Measurement for LTE

SAR tests for LTE are performed with a base station simulator, Rohde & Schwarz CMW500. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. All powers were measured with the CMW 500.

It is performed for conducted power and SAR based on the KDB941225 D05.

SAR is evaluated separately according to the following procedures for the different test positions in each exposure condition – head, body, body-worn accessories and other use conditions. The procedures in the following subsections are applied separately to test each LTE frequency band.

1) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation

The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

3) QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

9.4. Power Drift

To control the output power stability during the SAR test, DASY4 system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. These drift values can be found in section 14 labeled as: (Power Drift [dB]). This ensures that the power drift during one measurement is within 5%.

10. Area Scan Based 1-g SAR

10.1. Requirement of KDB

According to the KDB447498 D01, when the implementation is based the specific polynomial fit algorithm as presented at the 29th Bioelectromagnetics Society meeting (2007) and the estimated 1-gSAR is ≤ 1.2 W/kg, a zoom scan measurement is not required provided it is also not needed for any other purpose; for example, if the peak SAR location required for simultaneous transmission SAR test exclusion can be determined accurately by the SAR system or manually to discriminate between distinctive peaks and scattered noisy SAR distributions from area scans.

There must not be any warning or alert messages due to various measurement concerns identified by the SAR system; for example, noise in measurements, peaks too close to scan boundary, peaks are too sharp, spatial resolution and uncertainty issues etc. The SAR system verification must also demonstrate that the area scan estimated 1-g SAR is within 3% of the zoom scan 1-g SAR (See Annex B). When all the SAR results for each exposure condition in a frequency band and wireless mode are based on estimated 1-g SAR, the 1-g SAR for the highest SAR configuration must be determined by a zoom scan.

10.2. Fast SAR Algorithms

The approach is based on the area scan measurement applying a frequency dependent attenuation parameter. This attenuation parameter was empirically determined by analyzing a large number of phones. The MOTOROLA FAST SAR was developed and validated by the MOTOROLA Research Group in Ft. Lauderdale.

In the initial study, an approximation algorithm based on Linear fit was developed. The accuracy of the algorithm has been demonstrated across a broad frequency range (136-2450 MHz) and for both 1- and 10-g averaged SAR using a sample of 264 SAR measurements from 55 wireless handsets. For the sample size studied, the root-mean-squared errors of the algorithm are 1.2% and 5.8% for 1- and 10-g averaged SAR, respectively. The paper describing the algorithm in detail is expected to be published in August 2004 within the Special Issue of Transactions on MTT.

In the second step, the same research group optimized the fitting algorithm to an Polynomial fit whereby the frequency validity was extended to cover the range 30-6000MHz. Details of this study can be found in the BEMS 2007 Proceedings.

Both algorithms are implemented in DASY software.

11. Conducted Output Power

There are three sets of tune-up power, Normal power and Low power, Low power includes sensor+ USB and sensor+ Non-USB, While the DUT is used independently, sensor+ Non-USB mode. While DUT is connected to PC and used as USB Dongle, sensor+ USB mode. for all bands by SAR sensor . The detail of SAR sensor is presented in annex I.

Normal Power	Sensor + Non-USB	Sensor + USB
Power Level A1	Power Level B1	Power Level C1

11.1. WCDMA Measurement result

Power Level A1

Table 11.2-1: The conducted Power for WCDMA

Item	band	FDDV result			
	ARFCN	4233 (846.6MHz)	4182 (836.4MHz)	4132 (826.4MHz)	Tune up
WCDMA	1	24.17	24.30	24.00	25.90
HSUPA	1	23.18	23.35	23.25	24.90
	2	21.14	21.34	21.26	22.90
	3	22.14	22.33	22.27	23.90
	4	21.22	21.31	21.33	22.90
	5	23.01	23.12	23.04	24.90
DC-HSDPA	1	23.2	23.32	23.18	24.90
	2	23.23	23.36	23.22	24.90
	3	22.73	22.86	22.71	24.40
	4	22.7	22.78	22.72	24.40
Item	band	FDDIV result			
	ARFCN	1513 (1752.6MHz)	1412 (1732.4MHz)	1312 (1712.4MHz)	
WCDMA	1	23.14	22.98	22.91	24.80
HSUPA	1	22.38	22.27	22.11	23.80
	2	20.09	20.03	19.91	21.80
	3	21.21	21.17	21.14	22.80
	4	20.22	20.10	20.15	21.80
	5	22.37	22.25	22.17	23.80
DC-HSDPA	1	22.32	22.29	22.12	23.80
	2	22.31	22.30	22.14	23.80
	3	21.79	21.69	21.56	23.30
	4	21.8	21.69	21.54	23.30
Item	band	FDDII result			
	ARFCN	9538 (1907.6MHz)	9400 (1880MHz)	9262 (1852.4MHz)	Tune up
WCDMA	1	23.69	23.76	23.89	25.30
HSUPA	1	22.71	22.87	22.74	24.30

	2	20.57	20.72	20.58	22.30
	3	21.57	21.77	21.79	23.30
	4	20.42	20.77	20.80	22.30
	5	22.69	22.57	22.64	24.30
DC-HSDPA	1	22.75	22.88	22.78	24.30
	2	22.74	22.89	22.77	24.30
	3	22.27	22.32	22.33	23.80
	4	22.31	22.35	22.25	23.80

Power Level B1

Table 11.2-2: The conducted Power for WCDMA

Item	band	FDDV result			
	ARFCN	4233 (846.6MHz)	4182 (836.4MHz)	4132 (826.4MHz)	Tune up
WCDMA	1	20.58	20.74	20.80	22.40
HSUPA	1	19.68	19.83	19.72	21.40
	2	17.68	17.82	17.78	19.40
	3	18.66	18.83	18.80	20.40
	4	17.7	17.82	17.76	19.40
	5	19.62	19.71	19.62	21.40
DC-HSDPA	1	19.65	19.77	19.63	21.40
	2	19.68	19.81	19.67	21.40
	3	19.18	19.31	19.16	20.90
	4	19.15	19.23	19.17	20.90
Item	band	FDDIV result			
	ARFCN	1513 (1752.6MHz)	1412 (1732.4MHz)	1312 (1712.4MHz)	
WCDMA	1	19.30	19.18	18.95	20.80
HSUPA	1	18.26	18.18	18.06	19.80
	2	16.3	16.27	16.03	17.80
	3	17.26	17.19	17.02	18.80
	4	16.28	16.30	16.08	17.80
	5	18.2	18.21	18.09	19.80
DC-HSDPA	1	18.22	18.19	18.02	19.80
	2	18.21	18.20	18.04	19.80
	3	17.69	17.59	17.46	19.30
	4	17.7	17.59	17.44	19.30
Item	band	FDDII result			
	ARFCN	9538 (1907.6MHz)	9400 (1880MHz)	9262 (1852.4MHz)	Tune up
WCDMA	1	18.70	18.80	18.86	20.30
HSUPA	1	17.65	17.80	17.68	19.30
	2	15.67	15.84	15.71	17.30
	3	16.7	16.76	16.74	18.30
	4	15.73	15.82	15.76	17.30

	5	17.69	17.79	17.67	19.30
DC-HSDPA	1	17.62	17.75	17.65	19.30
	2	17.61	17.76	17.64	19.30
	3	17.14	17.19	17.20	18.80
	4	17.18	17.22	17.12	18.80

Power Level C1

Table 11.2-2: The conducted Power for WCDMA

Item	band	FDDV result			
	ARFCN	4233 (846.6MHz)	4182 (836.4MHz)	4132 (826.4MHz)	Tune up
WCDMA	1	13.58	13.75	13.81	15.50
HSUPA	1	12.75	12.82	12.84	14.50
	2	10.76	10.89	10.90	12.50
	3	11.7	11.86	11.80	13.50
	4	10.78	10.88	10.90	12.50
	5	12.71	12.69	12.72	14.50
DC-HSDPA	1	12.72	12.84	12.70	14.50
	2	12.75	12.88	12.74	14.50
	3	12.25	12.38	12.23	14.00
	4	12.22	12.30	12.24	14.00
Item	band	FDDIV result			
	ARFCN	1513 (1752.6MHz)	1412 (1732.4MHz)	1312 (1712.4MHz)	
WCDMA	1	12.89	12.73	12.59	14.50
HSUPA	1	11.9	11.83	11.69	13.50
	2	9.92	9.90	9.78	11.50
	3	10.88	10.80	10.78	12.50
	4	9.93	9.89	9.82	11.50
	5	11.84	11.72	11.69	13.50
DC-HSDPA	1	11.9	11.87	11.70	13.50
	2	11.89	11.88	11.72	13.50
	3	11.37	11.27	11.14	13.00
	4	11.38	11.27	11.12	13.00
Item	band	FDDII result			
	ARFCN	9538 (1907.6MHz)	9400 (1880MHz)	9262 (1852.4MHz)	Tune up
WCDMA	1	12.84	12.94	12.92	14.50
HSUPA	1	11.87	11.97	11.92	13.50
	2	9.9	9.92	9.89	11.50
	3	10.89	10.95	10.88	12.50
	4	9.87	9.90	9.88	11.50
	5	11.8	11.91	11.74	13.50
DC-HSDPA	1	11.85	11.98	11.88	13.50
	2	11.84	11.99	11.87	13.50

3	11.37	11.42	11.43	13.00
4	11.41	11.45	11.35	13.00

11.2. LTE Measurement result

Table 11.2-1: Maximum Power Reduction (MPR) for LTE

Modulation	Channel bandwidth / Transmission bandwidth configuration [RB]						MPR (dB)
	1.4	3	5	10	15	20	
	MHz	MHz	MHz	MHz	MHz	MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	3

Table 11.2-2: The tune up for LTE– Power Level A1

Band	Tune up
LTE Band 2	24.5
LTE Band 5	24.7
LTE Band 12	25
LTE Band 14	25
LTE Band 30	23.5
LTE Band 66	24

Table 11.2-2: The tune up for LTE– Power Level B1

Band	Tune up
LTE Band 2	20
LTE Band 5	22.7
LTE Band 14	24
LTE Band 30	22.5
LTE Band 66	21.7

Table 11.2-2: The tune up for LTE– Power Level C1

Band	Tune up
LTE Band 2	16
LTE Band 5	16.7
LTE Band 12	17.5
LTE Band 14	17
LTE Band 30	15.5
LTE Band 66	16.2

Table 11.2-4: The conducted Power for LTE

Power Level A1

Band 2					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1909.3	22.79	21.51	21.62
		1880	22.57	22.15	21.59
		1850.7	22.63	22.50	21.81
	1RB Middle (3)	1909.3	22.55	21.59	21.55
		1880	23.03	22.22	21.65
		1850.7	23.24	22.61	21.84
	1RB Low (0)	1909.3	22.56	21.57	21.60
		1880	22.97	22.13	21.57
		1850.7	23.12	22.51	21.76
	3RB High (3)	1909.3	22.56	21.62	21.44
		1880	22.87	22.04	21.48
		1850.7	23.09	22.31	21.78
	3RB Middle (1)	1909.3	22.68	21.70	21.47
		1880	22.98	22.05	21.61
		1850.7	23.16	22.31	21.75
	3RB Low (0)	1909.3	22.59	21.65	21.48
		1880	22.95	22.02	21.57
		1850.7	23.15	22.34	21.78
	6RB (0)	1909.3	22.20	21.41	20.75
		1880	21.93	21.10	20.44
		1850.7	22.08	21.06	20.60
3 MHz	1RB High (14)	1908.5	22.68	21.55	21.85
		1880	23.00	21.88	21.44
		1851.5	23.21	22.58	21.64
	1RB Middle (7)	1908.5	22.88	21.76	21.87
		1880	23.12	22.08	21.58
		1851.5	23.31	22.69	21.67
	1RB Low (0)	1908.5	22.81	21.74	21.80
		1880	23.01	21.95	21.50
		1851.5	23.25	22.57	21.74
	8RB High (7)	1908.5	22.25	21.33	20.41
		1880	21.99	21.11	20.49
		1851.5	22.20	21.27	20.67
	8RB Middle (4)	1908.5	22.26	21.34	20.87
		1880	22.04	21.21	20.58
		1851.5	22.20	21.32	20.67
	8RB Low (0)	1908.5	22.27	21.35	20.80
		1880	22.01	21.14	20.50
		1851.5	22.27	21.33	20.74
	15RB (0)	1908.5	22.26	21.23	20.81
		1880	22.00	21.06	20.49
		1851.5	22.22	21.27	20.67

5 MHz	1RB High (24)	1907.5	22.83	21.64	21.71
		1880	23.07	22.15	21.69
		1852.5	23.22	22.73	21.83
	1RB Middle (12)	1907.5	23.17	22.03	21.99
		1880	23.08	22.15	21.72
		1852.5	23.16	22.75	21.78
	1RB Low (0)	1907.5	23.08	22.00	21.98
		1880	23.15	22.17	21.79
		1852.5	23.25	22.72	21.85
	12RB High (13)	1907.5	22.28	21.32	20.85
		1880	22.01	21.06	20.53
		1852.5	22.18	21.33	20.73
	12RB Middle (6)	1907.5	22.27	21.36	20.89
		1880	22.01	21.08	20.56
		1852.5	22.24	21.38	20.77
	12RB Low (0)	1907.5	22.26	21.34	20.84
		1880	22.03	21.11	20.53
		1852.5	22.23	21.37	20.74
	25RB (0)	1907.5	22.31	21.23	20.81
		1880	22.03	21.04	20.54
		1852.5	22.24	21.26	20.70
10 MHz	1RB High (49)	1905	22.78	21.59	21.65
		1880	22.93	21.99	21.65
		1855	23.10	22.42	21.77
	1RB Middle (24)	1905	23.23	22.27	21.96
		1880	22.91	21.97	21.64
		1855	23.22	22.56	21.80
	1RB Low (0)	1905	23.32	22.34	21.99
		1880	22.98	21.97	21.61
		1855	23.27	22.59	21.87
	25RB High (25)	1905	22.23	21.37	20.78
		1880	21.99	21.02	20.46
		1855	22.11	21.17	20.61
	25RB Middle (12)	1905	22.23	21.38	20.83
		1880	22.02	21.06	20.58
		1855	22.27	21.26	20.73
	25RB Low (0)	1905	22.28	21.40	20.85
		1880	22.01	21.02	20.60
		1855	22.26	21.24	20.72
	50RB (0)	1905	22.30	21.29	20.82
		1880	22.00	21.01	20.52
		1855	22.22	21.28	20.72
15 MHz	1RB High (74)	1902.5	23.07	22.22	21.81
		1880	22.99	21.98	21.67
		1857.5	23.15	22.47	21.76
	1RB Middle (37)	1902.5	23.22	22.69	21.94
		1880	23.00	21.91	21.67
		1857.5	23.15	22.49	21.79

	1RB Low (0)	1902.5	23.39	22.81	21.92
		1880	23.20	22.11	21.86
		1857.5	23.35	22.73	21.93
	36RB High (38)	1902.5	22.28	21.23	20.90
		1880	21.99	21.04	20.56
		1857.5	22.12	21.15	20.64
	36RB Middle (19)	1902.5	22.30	21.25	20.85
		1880	22.03	21.01	20.58
		1857.5	22.16	21.23	20.65
	36RB Low (0)	1902.5	22.33	21.28	20.88
		1880	22.04	21.05	20.56
		1857.5	22.24	21.33	20.76
	75RB (0)	1902.5	22.26	21.28	20.86
		1880	21.98	21.03	20.52
		1857.5	22.11	21.18	20.62
20 MHz	1RB High (99)	1900	22.78	22.10	21.95
		1880	22.89	22.33	21.60
		1860	22.96	22.46	21.68
	1RB Middle (50)	1900	23.25	22.75	21.98
		1880	22.90	22.43	21.51
		1860	23.08	22.59	21.71
	1RB Low (0)	1900	23.39	22.93	21.93
		1880	23.09	22.50	21.76
		1860	23.20	22.75	22.00
	50RB High (50)	1900	22.26	21.32	20.82
		1880	22.01	20.99	20.48
		1860	22.07	21.13	20.65
	50RB Middle (25)	1900	22.31	21.34	20.86
		1880	21.99	21.02	20.52
		1860	22.15	21.14	20.60
	50RB Low (0)	1900	22.37	21.35	20.88
		1880	22.04	21.05	20.58
		1860	22.22	21.26	20.80
	100RB (0)	1900	22.30	21.35	20.85
		1880	22.01	21.02	20.52
		1860	22.09	21.18	20.69

Band 5					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	848.3	22.90	21.87	20.92
		836.5	23.14	22.26	21.31
		824.7	23.04	22.42	21.47
	1RB Middle (3)	848.3	22.99	21.94	20.99
		836.5	23.19	22.35	21.40
		824.7	23.10	22.51	21.56
	1RB Low (0)	848.3	22.84	21.89	20.94
		836.5	23.18	22.29	21.34
		824.7	23.06	22.43	21.48
	3RB High (3)	848.3	22.90	22.01	21.06
		836.5	23.15	22.26	21.31
		824.7	23.07	22.26	21.31
	3RB Middle (1)	848.3	22.94	22.07	21.12
		836.5	23.17	22.29	21.34
		824.7	23.14	22.33	21.38
	3RB Low (0)	848.3	22.86	22.00	21.05
		836.5	23.15	22.24	21.29
		824.7	23.07	22.32	21.37
	6RB (0)	848.3	21.92	21.14	20.19
		836.5	22.20	21.33	20.38
		824.7	22.11	20.99	20.04
3 MHz	1RB High (14)	847.5	22.93	21.95	21.00
		836.5	23.25	22.09	21.14
		825.5	23.16	22.48	21.53
	1RB Middle (7)	847.5	23.10	22.10	21.15
		836.5	23.35	22.24	21.29
		825.5	23.33	22.60	21.65
	1RB Low (0)	847.5	22.97	22.04	21.09
		836.5	23.31	22.16	21.21
		825.5	23.21	22.50	21.55
	8RB High (7)	847.5	22.04	21.01	20.06
		836.5	22.32	21.33	20.38
		825.5	22.14	21.26	20.31
	8RB Middle (4)	847.5	22.07	21.06	20.11
		836.5	22.37	21.38	20.43
		825.5	22.17	21.30	20.35
	8RB Low (0)	847.5	22.04	21.04	20.09
		836.5	22.33	21.38	20.43
		825.5	22.19	21.28	20.33
	15RB (0)	847.5	22.09	20.97	20.02
		836.5	22.33	21.28	20.33
		825.5	22.17	21.23	20.28
5 MHz	1RB	846.5	23.00	22.53	21.58

	High (24)	836.5	23.22	22.33	21.38
		826.5	23.16	22.37	21.42
	1RB Middle (12)	846.5	22.97	22.55	21.60
		836.5	23.36	22.45	21.50
	1RB Low (0)	826.5	23.17	22.38	21.43
		846.5	23.20	22.72	21.77
		836.5	23.37	22.46	21.51
	12RB High (13)	826.5	23.19	22.38	21.43
		846.5	22.07	21.25	20.30
		836.5	22.31	21.36	20.41
	12RB Middle (6)	826.5	22.17	21.26	20.31
		846.5	22.12	21.26	20.31
		836.5	22.34	21.42	20.47
	12RB Low (0)	826.5	22.17	21.28	20.33
		846.5	22.09	21.24	20.29
		836.5	22.31	21.42	20.47
	25RB (0)	826.5	22.17	21.31	20.36
		846.5	22.07	21.14	20.19
		836.5	22.33	21.30	20.35
10 MHz	1RB High (49)	826.5	22.20	21.24	20.29
		844.0	22.97	21.71	20.76
		836.5	23.13	22.00	21.05
	1RB Middle (24)	829.0	23.25	22.62	21.67
		844.0	23.13	22.04	21.09
		836.5	23.15	22.18	21.23
	1RB Low (0)	829.0	23.14	22.48	21.53
		844.0	23.11	22.07	21.12
		836.5	23.01	22.10	21.15
	25RB High (25)	829.0	23.02	22.47	21.52
		844.0	22.17	21.10	20.15
		836.5	22.15	21.13	20.18
	25RB Middle (12)	829.0	22.20	21.25	20.30
		844.0	22.30	21.18	20.23
		836.5	22.30	21.29	20.34
	25RB Low (0)	829.0	22.16	21.18	20.23
		844.0	22.29	21.18	20.23
		836.5	22.34	21.28	20.33
	50RB (0)	829.0	22.15	21.18	20.23
		844.0	22.29	21.00	20.05
		836.5	22.30	21.23	20.28
		829.0	22.12	21.16	20.21

Band 12					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	715.3	23.01	22.21	21.43
		707.5	23.23	22.30	21.52
		699.7	23.12	22.48	21.70
	1RB Middle (3)	715.3	23.10	22.28	21.50
		707.5	23.25	22.33	21.55
		699.7	23.16	22.57	21.79
	1RB Low (0)	715.3	23.06	22.30	21.52
		707.5	23.25	22.27	21.49
		699.7	23.15	22.48	21.70
	3RB High (3)	715.3	23.14	22.36	21.58
		707.5	23.22	22.35	21.57
		699.7	23.16	22.28	21.50
	3RB Middle (1)	715.3	23.15	22.44	21.66
		707.5	23.22	22.39	21.61
		699.7	23.21	22.38	21.60
	3RB Low (0)	715.3	23.09	22.35	21.57
		707.5	23.19	22.31	21.53
		699.7	23.15	22.32	21.54
	6RB (0)	715.3	22.11	21.40	20.62
		707.5	22.23	21.35	20.57
		699.7	22.11	21.01	20.23
3 MHz	1RB High (14)	714.5	23.16	22.50	21.72
		707.5	23.16	22.23	21.45
		700.5	23.22	22.14	21.36
	1RB Middle (7)	714.5	23.28	22.65	21.87
		707.5	23.31	22.40	21.62
		700.5	23.31	22.25	21.47
	1RB Low (0)	714.5	23.19	22.61	21.83
		707.5	23.24	22.26	21.48
		700.5	23.18	22.13	21.35
	8RB High (7)	714.5	22.25	21.27	20.49
		707.5	22.26	21.34	20.56
		700.5	22.14	21.28	20.50
	8RB Middle (4)	714.5	22.27	21.30	20.52
		707.5	22.28	21.37	20.59
		700.5	22.18	21.31	20.53
	8RB Low (0)	714.5	22.26	21.29	20.51
		707.5	22.30	21.32	20.54
		700.5	22.19	21.33	20.55
	15RB (0)	714.5	22.30	21.28	20.50
		707.5	22.28	21.27	20.49
		700.5	22.22	21.22	20.44
5 MHz	1RB	713.5	23.32	22.42	21.64

	High (24)	707.5	23.30	22.46	21.68
		701.5	23.19	22.72	21.60
	1RB Middle (12)	713.5	23.38	22.48	21.85
		707.5	23.29	22.49	21.81
		701.5	23.23	22.75	21.71
	1RB Low (0)	713.5	23.34	22.42	21.81
		707.5	23.30	22.40	21.60
		701.5	23.19	22.74	21.93
	12RB High (13)	713.5	22.31	21.40	20.69
		707.5	22.30	21.42	20.65
		701.5	22.25	21.43	20.56
	12RB Middle (6)	713.5	22.33	21.44	20.70
		707.5	22.31	21.42	20.68
		701.5	22.30	21.48	20.60
	12RB Low (0)	713.5	22.35	21.47	20.67
		707.5	22.33	21.43	20.72
		701.5	22.20	21.41	20.49
	25RB (0)	713.5	22.34	21.34	20.70
		707.5	22.32	21.33	20.63
		701.5	22.30	21.36	20.60
10 MHz	1RB High (49)	711	23.32	22.55	21.76
		707.5	23.17	22.19	21.67
		704	23.22	22.16	21.67
	1RB Middle (24)	711	23.25	22.61	21.76
		707.5	23.16	22.27	21.83
		704	23.21	22.12	21.61
	1RB Low (0)	711	23.32	22.54	21.96
		707.5	23.12	22.21	21.71
		704	23.15	22.14	21.73
	25RB High (25)	711	22.32	21.38	20.67
		707.5	22.23	21.36	20.58
		704	22.31	21.30	20.61
	25RB Middle (12)	711	22.27	21.35	20.62
		707.5	22.29	21.40	20.67
		704	22.22	21.25	20.55
	25RB Low (0)	711	22.27	21.34	20.67
		707.5	22.18	21.33	20.55
		704	22.24	21.28	20.59
	50RB (0)	711	22.27	21.27	20.56
		707.5	22.30	21.31	20.69
		704	22.32	21.33	20.69

Band 14					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	795.5	23.21	22.38	21.71
		793	23.19	22.73	21.93
		790.5	23.28	22.39	22.05
	1RB Middle (12)	795.5	23.23	22.40	22.09
		793	23.20	22.73	21.69
		790.5	23.27	22.36	21.83
	1RB Low (0)	795.5	23.33	22.44	21.87
		793	23.26	22.77	21.90
		790.5	23.29	22.37	21.88
	12RB High (13)	795.5	22.16	21.29	20.65
		793	22.19	21.42	20.70
		790.5	22.21	21.32	20.73
	12RB Middle (6)	795.5	22.21	21.31	20.67
		793	22.26	21.46	20.74
		790.5	22.32	21.31	20.72
	12RB Low (0)	795.5	22.18	21.33	20.62
		793	22.22	21.44	20.76
		790.5	22.25	21.29	20.78
	25RB (0)	795.5	22.22	21.23	20.60
		793	22.26	21.29	20.69
		790.5	22.23	21.20	20.68
10 MHz	1RB High (49)	793	23.20	22.20	21.68
	1RB Middle (24)	793	23.15	22.26	21.63
	1RB Low (0)	793	23.18	22.19	21.87
	25RB High (25)	793	22.21	21.26	20.75
	25RB Middle (12)	793	22.25	21.26	20.69
	25RB Low (0)	793	22.24	21.27	20.70
	50RB (0)	793	22.22	21.20	20.70

Band 30					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	2312.5	21.89	21.01	20.72
		2310	21.93	21.09	20.63
		2307.5	21.91	21.38	20.59
	1RB Middle (12)	2312.5	21.90	21.02	20.66
		2310	21.94	21.07	20.68
		2307.5	21.93	21.42	20.75
	1RB Low (0)	2312.5	21.98	21.06	20.85
		2310	22.07	21.17	20.82
		2307.5	21.92	21.40	20.73
	12RB High (13)	2312.5	20.88	19.94	19.57
		2310	20.86	19.98	19.59
		2307.5	20.91	20.04	19.61
	12RB Middle (6)	2312.5	20.89	19.98	19.64
		2310	20.93	20.01	19.67
		2307.5	20.96	20.11	19.62
	12RB Low (0)	2312.5	20.88	20.02	19.64
		2310	20.93	20.02	19.66
		2307.5	20.89	20.05	19.62
	25RB (0)	2312.5	20.91	19.85	19.52
		2310	20.95	19.94	19.60
		2307.5	20.97	20.03	19.60
10 MHz	1RB High (49)	2310	21.87	20.76	20.74
	1RB Middle (24)	2310	21.91	20.85	20.75
	1RB Low (0)	2310	21.89	20.90	20.76
	25RB High (25)	2310	20.90	19.94	19.58
	25RB Middle (12)	2310	20.98	19.93	19.64
	25RB Low (0)	2310	20.93	19.95	19.71
	50RB (0)	2310	20.96	19.93	19.59

Band 66					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1779.3	22.61	21.71	21.17
		1745	22.72	21.85	20.19
		1710.7	22.40	21.73	20.09
	1RB Middle (3)	1779.3	22.74	21.77	21.14
		1745	22.77	21.91	20.30
		1710.7	22.46	21.84	20.06
	1RB Low (0)	1779.3	22.58	21.69	21.06
		1745	22.73	21.82	20.25
		1710.7	22.40	21.72	20.05
	3RB High (3)	1779.3	22.68	21.83	20.12
		1745	22.74	21.78	20.10
		1710.7	22.38	21.58	20.03
	3RB Middle (1)	1779.3	22.68	21.90	20.25
		1745	22.73	21.82	20.20
		1710.7	22.45	21.64	20.06
	3RB Low (0)	1779.3	22.65	21.80	20.16
		1745	22.74	21.79	20.15
		1710.7	22.44	21.58	20.07
	6RB (0)	1779.3	21.67	20.83	19.09
		1745	21.72	20.83	19.18
		1710.7	21.43	20.31	19.07
3 MHz	1RB High (14)	1778.5	22.71	21.73	21.14
		1745	22.74	21.70	20.29
		1711.5	22.52	21.84	20.06
	1RB Middle (7)	1778.5	22.83	21.84	21.24
		1745	22.90	21.85	20.33
		1711.5	22.65	21.95	20.20
	1RB Low (0)	1778.5	22.70	21.79	21.14
		1745	22.77	21.73	20.29
		1711.5	22.53	21.87	20.04
	8RB High (7)	1778.5	21.72	20.78	19.24
		1745	21.78	20.91	19.24
		1711.5	21.52	20.53	19.05
	8RB Middle (4)	1778.5	21.76	20.79	19.31
		1745	21.83	20.89	19.22
		1711.5	21.54	20.60	19.03
	8RB Low (0)	1778.5	21.73	20.77	19.18
		1745	21.80	20.87	19.21
		1711.5	21.50	20.58	19.01
	15RB (0)	1778.5	21.72	20.69	19.15
		1745	21.81	20.79	19.18
		1711.5	21.51	20.56	19.97

5 MHz	1RB High (24)	1777.5	22.80	21.89	21.41
		1745	22.89	22.03	21.36
		1712.5	22.54	22.02	21.10
	1RB Middle (12)	1777.5	22.81	21.87	21.38
		1745	22.87	21.98	21.31
		1712.5	22.52	22.03	21.11
	1RB Low (0)	1777.5	22.85	21.88	21.37
		1745	22.96	22.03	21.47
		1712.5	22.56	22.05	21.17
	12RB High (13)	1777.5	21.77	20.82	20.23
		1745	21.81	20.87	20.23
		1712.5	21.57	20.67	20.03
	12RB Middle (6)	1777.5	21.84	20.83	20.31
		1745	21.85	20.90	20.28
		1712.5	21.61	20.73	20.10
	12RB Low (0)	1777.5	21.81	20.85	20.26
		1745	21.83	20.87	20.30
		1712.5	21.57	20.73	20.05
	25RB (0)	1777.5	21.74	20.73	20.19
		1745	21.86	20.82	20.25
		1712.5	21.56	20.60	19.99
10 MHz	1RB High (49)	1775	22.78	21.83	21.14
		1745	22.89	21.82	21.35
		1715	22.62	21.87	21.13
	1RB Middle (24)	1775	22.75	21.77	21.15
		1745	22.82	21.77	21.30
		1715	22.61	21.94	21.02
	1RB Low (0)	1775	22.76	21.85	21.23
		1745	22.90	21.85	21.45
		1715	22.65	21.97	21.33
	25RB High (25)	1775	21.81	20.88	20.22
		1745	21.89	20.90	20.26
		1715	21.60	20.62	20.03
	25RB Middle (12)	1775	21.80	20.89	20.26
		1745	21.87	20.92	20.28
		1715	21.61	20.62	20.03
	25RB Low (0)	1775	21.81	20.92	20.28
		1745	21.89	20.92	20.29
		1715	21.64	20.64	20.04
	50RB (0)	1775	21.82	20.88	20.24
		1745	21.88	20.86	20.27
		1715	21.63	20.62	20.00
15 MHz	1RB High (74)	1772.5	22.83	22.18	21.29
		1745	23.02	22.37	21.45
		1717.5	22.66	21.60	21.12
	1RB Middle (37)	1772.5	22.79	22.12	21.26
		1745	22.96	22.34	21.38
		1717.5	22.63	21.56	21.17

	1RB Low (0)	1772.5	23.01	22.29	21.51
		1745	23.07	22.44	21.53
		1717.5	22.79	21.69	21.26
	36RB High (38)	1772.5	21.85	20.83	20.12
		1745	21.99	20.93	20.26
		1717.5	21.69	20.65	19.96
	36RB Middle (19)	1772.5	21.82	20.81	20.17
		1745	21.97	20.92	20.28
		1717.5	21.68	20.65	20.05
	36RB Low (0)	1772.5	21.83	20.85	20.11
		1745	22.00	20.93	20.30
		1717.5	21.70	20.67	20.07
	75RB (0)	1772.5	21.81	20.82	20.14
		1745	21.94	20.96	20.24
		1717.5	21.70	20.67	20.02
20 MHz	1RB High (99)	1770	22.49	22.01	21.26
		1745	22.62	22.03	21.29
		1720	22.40	21.93	21.15
	1RB Middle (50)	1770	22.46	21.91	21.27
		1745	22.52	21.94	21.25
		1720	22.29	21.79	21.10
	1RB Low (0)	1770	22.56	22.02	21.37
		1745	22.71	22.11	21.48
		1720	22.46	21.99	21.32
	50RB High (50)	1770	21.55	20.57	20.13
		1745	21.63	20.64	20.26
		1720	21.35	20.40	20.01
	50RB Middle (25)	1770	21.54	20.58	20.11
		1745	21.64	20.66	20.25
		1720	21.36	20.41	20.04
	50RB Low (0)	1770	21.55	20.60	20.26
		1745	21.69	20.69	20.34
		1720	21.40	20.45	20.09
	100RB (0)	1770	21.52	20.56	20.17
		1745	21.68	20.66	20.28
		1720	21.41	20.44	20.03

Power Level B1

Band 2					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1909.3	22.79	21.51	21.62
		1880	22.57	22.15	21.59
		1850.7	22.63	22.50	21.81
	1RB Middle (3)	1909.3	22.55	21.59	21.55
		1880	23.03	22.22	21.65
		1850.7	23.24	22.61	21.84
	1RB Low (0)	1909.3	22.56	21.57	21.60
		1880	22.97	22.13	21.57
		1850.7	23.12	22.51	21.76
	3RB High (3)	1909.3	22.56	21.62	21.44
		1880	22.87	22.04	21.48
		1850.7	23.09	22.31	21.78
	3RB Middle (1)	1909.3	22.68	21.70	21.47
		1880	22.98	22.05	21.61
		1850.7	23.16	22.31	21.75
	3RB Low (0)	1909.3	22.59	21.65	21.48
		1880	22.95	22.02	21.57
		1850.7	23.15	22.34	21.78
	6RB (0)	1909.3	22.20	21.41	20.75
		1880	21.93	21.10	20.44
		1850.7	22.08	21.06	20.60
3 MHz	1RB High (14)	1908.5	22.68	21.55	21.85
		1880	23.00	21.88	21.44
		1851.5	23.21	22.58	21.64
	1RB Middle (7)	1908.5	22.88	21.76	21.87
		1880	23.12	22.08	21.58
		1851.5	23.31	22.69	21.67
	1RB Low (0)	1908.5	22.81	21.74	21.80
		1880	23.01	21.95	21.50
		1851.5	23.25	22.57	21.74
	8RB High (7)	1908.5	22.25	21.33	20.41
		1880	21.99	21.11	20.49
		1851.5	22.20	21.27	20.67
	8RB Middle (4)	1908.5	22.26	21.34	20.87
		1880	22.04	21.21	20.58
		1851.5	22.20	21.32	20.67
	8RB Low (0)	1908.5	22.27	21.35	20.80
		1880	22.01	21.14	20.50
		1851.5	22.27	21.33	20.74
	15RB (0)	1908.5	22.26	21.23	20.81
		1880	22.00	21.06	20.49
		1851.5	22.22	21.27	20.67

5 MHz	1RB High (24)	1907.5	22.83	21.64	21.71
		1880	23.07	22.15	21.69
		1852.5	23.22	22.73	21.83
	1RB Middle (12)	1907.5	23.17	22.03	21.99
		1880	23.08	22.15	21.72
		1852.5	23.16	22.75	21.78
	1RB Low (0)	1907.5	23.08	22.00	21.98
		1880	23.15	22.17	21.79
		1852.5	23.25	22.72	21.85
	12RB High (13)	1907.5	22.28	21.32	20.85
		1880	22.01	21.06	20.53
		1852.5	22.18	21.33	20.73
	12RB Middle (6)	1907.5	22.27	21.36	20.89
		1880	22.01	21.08	20.56
		1852.5	22.24	21.38	20.77
	12RB Low (0)	1907.5	22.26	21.34	20.84
		1880	22.03	21.11	20.53
		1852.5	22.23	21.37	20.74
	25RB (0)	1907.5	22.31	21.23	20.81
		1880	22.03	21.04	20.54
		1852.5	22.24	21.26	20.70
10 MHz	1RB High (49)	1905	22.78	21.59	21.65
		1880	22.93	21.99	21.65
		1855	23.10	22.42	21.77
	1RB Middle (24)	1905	23.23	22.27	21.96
		1880	22.91	21.97	21.64
		1855	23.22	22.56	21.80
	1RB Low (0)	1905	23.32	22.34	21.99
		1880	22.98	21.97	21.61
		1855	23.27	22.59	21.87
	25RB High (25)	1905	22.23	21.37	20.78
		1880	21.99	21.02	20.46
		1855	22.11	21.17	20.61
	25RB Middle (12)	1905	22.23	21.38	20.83
		1880	22.02	21.06	20.58
		1855	22.27	21.26	20.73
	25RB Low (0)	1905	22.28	21.40	20.85
		1880	22.01	21.02	20.60
		1855	22.26	21.24	20.72
	50RB (0)	1905	22.30	21.29	20.82
		1880	22.00	21.01	20.52
		1855	22.22	21.28	20.72
15 MHz	1RB High (74)	1902.5	23.07	22.22	21.81
		1880	22.99	21.98	21.67
		1857.5	23.15	22.47	21.76
	1RB Middle (37)	1902.5	23.22	22.69	21.94
		1880	23.00	21.91	21.67
		1857.5	23.15	22.49	21.79

	1RB Low (0)	1902.5	23.39	22.81	21.92
		1880	23.20	22.11	21.86
		1857.5	23.35	22.73	21.93
	36RB High (38)	1902.5	22.28	21.23	20.90
		1880	21.99	21.04	20.56
		1857.5	22.12	21.15	20.64
	36RB Middle (19)	1902.5	22.30	21.25	20.85
		1880	22.03	21.01	20.58
		1857.5	22.16	21.23	20.65
	36RB Low (0)	1902.5	22.33	21.28	20.88
		1880	22.04	21.05	20.56
		1857.5	22.24	21.33	20.76
	75RB (0)	1902.5	22.26	21.28	20.86
		1880	21.98	21.03	20.52
		1857.5	22.11	21.18	20.62
20 MHz	1RB High (99)	1900	22.78	22.10	21.95
		1880	22.89	22.33	21.60
		1860	22.96	22.46	21.68
	1RB Middle (50)	1900	23.25	22.75	21.98
		1880	22.90	22.43	21.51
		1860	23.08	22.59	21.71
	1RB Low (0)	1900	23.39	22.93	21.93
		1880	23.09	22.50	21.76
		1860	23.20	22.75	22.00
	50RB High (50)	1900	22.26	21.32	20.82
		1880	22.01	20.99	20.48
		1860	22.07	21.13	20.65
	50RB Middle (25)	1900	22.31	21.34	20.86
		1880	21.99	21.02	20.52
		1860	22.15	21.14	20.60
	50RB Low (0)	1900	22.37	21.35	20.88
		1880	22.04	21.05	20.58
		1860	22.22	21.26	20.80
	100RB (0)	1900	22.30	21.35	20.85
		1880	22.01	21.02	20.52
		1860	22.09	21.18	20.69

Band 5					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	848.3	20.89	19.98	19.55
		836.5	21.16	20.38	19.70
		824.7	21.02	20.43	19.53
	1RB Middle (3)	848.3	20.92	20.01	19.58
		836.5	21.21	20.43	19.82
		824.7	21.10	20.52	19.70
	1RB Low (0)	848.3	20.88	19.97	19.56
		836.5	21.14	20.30	19.64
		824.7	21.02	20.44	19.65
	3RB High (3)	848.3	20.93	20.13	19.43
		836.5	21.11	20.21	19.61
		824.7	21.02	20.19	19.58
	3RB Middle (1)	848.3	20.97	20.16	19.46
		836.5	21.17	20.26	19.73
		824.7	21.07	20.25	19.60
	3RB Low (0)	848.3	20.91	20.13	19.45
		836.5	21.16	20.24	19.73
		824.7	21.01	20.22	19.57
	6RB (0)	848.3	19.89	19.12	18.39
		836.5	20.15	19.33	18.53
		824.7	20.02	18.92	18.53
3 MHz	1RB High (14)	847.5	20.94	20.01	19.62
		836.5	21.21	20.18	19.73
		825.5	21.11	20.51	19.68
	1RB Middle (7)	847.5	21.07	20.15	19.73
		836.5	21.30	20.23	19.89
		825.5	21.23	20.56	19.87
	1RB Low (0)	847.5	20.97	20.07	19.63
		836.5	21.21	20.16	19.87
		825.5	21.11	20.48	19.71
	8RB High (7)	847.5	19.98	19.05	18.39
		836.5	20.23	19.34	18.65
		825.5	20.07	19.15	18.57
	8RB Middle (4)	847.5	20.02	19.10	18.47
		836.5	20.28	19.37	18.71
		825.5	20.10	19.20	18.66
	8RB Low (0)	847.5	19.97	19.05	18.47
		836.5	20.25	19.38	18.64
		825.5	20.08	19.20	18.57
	15RB (0)	847.5	20.05	18.99	18.50
		836.5	20.25	19.27	18.67
		825.5	20.08	19.14	18.62
5 MHz	1RB	846.5	21.02	20.11	19.72

	High (24)	836.5	21.19	20.38	19.68
		826.5	21.08	20.62	19.64
	1RB Middle (12)	846.5	21.04	20.12	19.71
		836.5	21.27	20.38	19.77
	1RB Low (0)	826.5	21.09	20.58	19.59
		846.5	21.14	20.24	19.74
		836.5	21.37	20.43	19.87
	12RB High (13)	826.5	21.14	20.66	19.77
		846.5	20.02	19.07	18.53
		836.5	20.25	19.30	18.67
	12RB Middle (6)	826.5	20.12	19.27	18.59
		846.5	20.06	19.12	18.54
		836.5	20.26	19.36	18.72
	12RB Low (0)	826.5	20.15	19.30	18.67
		846.5	20.05	19.07	18.54
		836.5	20.25	19.37	18.70
	25RB (0)	826.5	20.10	19.31	18.62
		846.5	20.00	19.00	18.50
		836.5	20.28	19.25	18.68
10 MHz	1RB High (49)	826.5	20.09	19.17	18.56
		844.0	20.89	19.91	19.57
		836.5	21.06	20.44	19.64
	1RB Middle (24)	829.0	21.20	20.16	19.84
		844.0	21.02	19.97	19.66
		836.5	21.21	20.60	19.81
	1RB Low (0)	829.0	21.02	20.08	19.69
		844.0	21.06	20.05	19.75
		836.5	21.15	20.52	19.82
	25RB High (25)	829.0	21.02	20.11	19.77
		844.0	19.99	19.01	18.46
		836.5	20.10	19.17	18.60
	25RB Middle (12)	829.0	20.10	19.22	18.57
		844.0	20.11	19.15	18.63
		836.5	20.22	19.27	18.71
	25RB Low (0)	829.0	20.07	19.18	18.63
		844.0	20.07	19.12	18.64
		836.5	20.26	19.28	18.71
	50RB (0)	829.0	20.08	19.17	18.62
		844.0	19.95	19.02	18.54
		836.5	20.20	19.24	18.70
		829.0	20.06	19.12	18.59

Band 14					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	795.5	22.09	21.66	20.62
		793	22.10	21.21	20.65
		790.5	22.12	21.27	20.78
	1RB Middle (12)	795.5	22.11	21.60	20.64
		793	22.14	21.23	20.93
		790.5	22.16	21.31	20.85
	1RB Low (0)	795.5	22.14	21.66	21.00
		793	22.16	21.25	20.87
		790.5	22.15	21.39	20.84
	12RB High (13)	795.5	21.10	20.30	19.58
		793	21.09	20.22	19.67
		790.5	21.12	20.24	19.66
	12RB Middle (6)	795.5	21.12	20.34	19.64
		793	21.12	20.25	19.68
		790.5	21.13	20.25	19.74
	12RB Low (0)	795.5	21.13	20.34	19.68
		793	21.11	20.22	19.75
		790.5	21.17	20.25	19.74
	25RB (0)	795.5	21.05	20.17	19.63
		793	21.12	20.09	19.67
		790.5	21.11	20.17	19.70
10 MHz	1RB High (49)	793	22.11	21.47	20.85
	1RB Middle (24)	793	22.14	21.58	20.83
	1RB Low (0)	793	22.16	21.50	20.72
	25RB High (25)	793	21.07	20.12	19.71
	25RB Middle (12)	793	21.11	20.12	19.73
	25RB Low (0)	793	21.15	20.16	19.66
	50RB (0)	793	21.13	20.13	19.61

Band 30					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	2312.5	20.66	20.16	19.63
		2310	20.63	19.80	19.63
		2307.5	20.64	19.90	19.70
	1RB Middle (12)	2312.5	20.67	20.17	19.63
		2310	20.67	19.83	19.70
		2307.5	20.67	19.89	19.67
	1RB Low (0)	2312.5	20.76	20.24	19.82
		2310	20.72	19.89	19.85
		2307.5	20.66	19.89	19.72
	12RB High (13)	2312.5	19.61	18.76	18.57
		2310	19.66	18.74	18.55
		2307.5	19.67	18.80	18.57
	12RB Middle (6)	2312.5	19.69	18.83	18.59
		2310	19.69	18.77	18.69
		2307.5	19.71	18.86	18.66
	12RB Low (0)	2312.5	19.69	18.83	18.62
		2310	19.73	18.83	18.60
		2307.5	19.66	18.73	18.47
	25RB (0)	2312.5	19.68	18.76	18.53
		2310	19.68	18.67	18.62
		2307.5	19.70	18.76	18.61
10 MHz	1RB High (49)	2310	20.78	19.83	19.69
	1RB Middle (24)	2310	20.86	19.88	19.75
	1RB Low (0)	2310	20.86	19.95	19.80
	25RB High (25)	2310	19.87	18.97	18.56
	25RB Middle (12)	2310	19.94	19.03	18.63
	25RB Low (0)	2310	19.99	19.08	18.71
	50RB (0)	2310	19.90	18.95	18.64

Band 66					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1779.3	20.13	19.14	18.81
		1745	20.17	19.24	18.67
		1710.7	20.09	19.20	18.53
	1RB Middle (3)	1779.3	20.14	19.16	18.75
		1745	20.09	19.27	18.77
		1710.7	20.10	19.29	18.61
	1RB Low (0)	1779.3	20.11	19.06	18.82
		1745	20.07	19.22	18.89
		1710.7	20.09	19.22	18.46
	3RB High (3)	1779.3	20.16	19.27	18.73
		1745	20.16	19.15	18.72
		1710.7	20.15	18.96	18.51
	3RB Middle (1)	1779.3	20.14	19.35	18.79
		1745	20.15	19.19	18.80
		1710.7	20.14	19.05	18.53
	3RB Low (0)	1779.3	20.12	19.25	18.71
		1745	20.09	19.13	18.77
		1710.7	20.14	19.01	18.48
	6RB (0)	1779.3	19.08	18.22	17.58
		1745	19.05	18.25	17.59
		1710.7	19.09	17.72	17.32
3 MHz	1RB High (14)	1778.5	20.17	19.52	18.78
		1745	20.12	19.16	18.76
		1711.5	20.09	18.74	18.58
	1RB Middle (7)	1778.5	20.41	19.65	18.86
		1745	21.14	19.30	18.88
		1711.5	20.48	18.84	18.64
	1RB Low (0)	1778.5	20.01	19.56	18.87
		1745	20.24	19.21	18.89
		1711.5	20.08	18.81	18.56
	8RB High (7)	1778.5	20.12	18.22	17.65
		1745	20.32	18.21	17.72
		1711.5	20.22	17.99	17.43
	8RB Middle (4)	1778.5	20.30	18.22	17.70
		1745	20.34	18.23	17.69
		1711.5	19.16	18.01	17.45
	8RB Low (0)	1778.5	20.25	18.23	17.65
		1745	20.33	18.20	17.68
		1711.5	19.16	17.97	17.47
	15RB (0)	1778.5	20.29	18.21	17.69
		1745	20.29	18.13	17.67
		1711.5	19.17	17.93	17.43

5 MHz	1RB High (24)	1777.5	20.18	19.32	18.69
		1745	20.22	19.35	18.91
		1712.5	19.90	19.43	18.57
	1RB Middle (12)	1777.5	20.16	19.26	18.64
		1745	20.22	19.34	18.81
		1712.5	19.86	19.42	18.54
	1RB Low (0)	1777.5	20.21	19.30	18.70
		1745	20.26	19.41	18.90
		1712.5	19.90	19.45	18.60
	12RB High (13)	1777.5	19.13	18.22	17.68
		1745	19.16	18.24	17.75
		1712.5	18.85	18.07	17.48
	12RB Middle (6)	1777.5	19.15	18.21	17.70
		1745	19.16	18.28	17.77
		1712.5	18.89	18.10	17.50
	12RB Low (0)	1777.5	19.14	18.22	17.66
		1745	19.17	18.27	17.79
		1712.5	18.85	18.11	17.54
	25RB (0)	1777.5	19.16	18.13	17.71
		1745	19.20	18.17	17.70
		1712.5	18.92	17.95	17.40
10 MHz	1RB High (49)	1775	20.13	19.16	18.89
		1745	20.12	19.13	18.92
		1715	19.92	19.29	18.51
	1RB Middle (24)	1775	20.08	19.11	18.82
		1745	20.12	19.16	18.81
		1715	19.93	19.32	18.56
	1RB Low (0)	1775	20.04	19.18	18.88
		1745	20.13	19.13	18.90
		1715	20.19	19.35	18.70
	25RB High (25)	1775	19.14	18.22	17.65
		1745	19.16	18.22	17.71
		1715	19.17	17.96	17.41
	25RB Middle (12)	1775	19.17	18.19	17.74
		1745	19.21	18.21	17.77
		1715	19.22	17.98	17.49
	25RB Low (0)	1775	19.20	18.22	17.70
		1745	19.20	18.23	17.76
		1715	19.20	17.99	17.50
	50RB (0)	1775	19.19	18.15	17.72
		1745	19.20	18.22	17.74
		1715	19.20	17.94	17.47
15 MHz	1RB High (74)	1772.5	20.17	19.49	18.73
		1745	20.21	19.15	18.99
		1717.5	20.03	19.35	18.59
	1RB Middle	1772.5	20.23	19.46	18.83
		1745	20.12	19.12	18.92

	(37)	1717.5	19.99	19.30	18.50
	1RB Low (0)	1772.5	20.29	19.69	18.92
		1745	20.28	19.21	18.94
		1717.5	20.10	19.44	18.91
	36RB High (38)	1772.5	19.24	18.04	17.61
		1745	19.19	18.22	17.75
		1717.5	18.95	17.99	17.42
	36RB Middle (19)	1772.5	19.21	18.02	17.66
		1745	19.24	18.23	17.73
		1717.5	18.96	18.00	17.45
	36RB Low (0)	1772.5	19.29	18.02	17.64
		1745	19.21	18.22	17.76
		1717.5	18.99	18.05	17.51
	75RB (0)	1772.5	19.24	18.05	17.61
		1745	19.21	18.23	17.76
		1717.5	18.97	18.02	17.46
20 MHz	1RB High (99)	1770	19.92	19.40	18.78
		1745	20.10	19.67	18.89
		1720	20.02	19.47	18.68
	1RB Middle (50)	1770	19.85	19.32	18.71
		1745	20.10	19.65	18.81
		1720	19.88	19.33	18.54
	1RB Low (0)	1770	20.06	19.50	18.97
		1745	20.26	19.79	19.06
		1720	20.01	19.50	18.75
	50RB High (50)	1770	18.93	17.97	17.62
		1745	19.14	18.24	17.73
		1720	18.93	17.93	17.40
	50RB Middle (25)	1770	18.94	17.97	17.63
		1745	19.16	18.20	17.76
		1720	18.94	17.98	17.49
	50RB Low (0)	1770	19.10	18.08	17.73
		1745	19.22	18.27	17.80
		1720	18.92	18.01	17.53
	100RB (0)	1770	18.99	17.97	17.59
		1745	19.21	18.24	17.77
		1720	18.91	17.95	17.49

Power Level C1

Band 2					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1909.3	14.07	13.51	12.78
		1880	14.38	13.52	12.79
		1850.7	14.49	13.94	13.21
	1RB Middle (3)	1909.3	14.66	13.55	12.82
		1880	14.65	13.58	12.85
		1850.7	14.54	13.98	13.25
	1RB Low (0)	1909.3	14.59	13.50	12.77
		1880	14.64	13.52	12.79
		1850.7	14.56	13.91	13.18
	3RB High (3)	1909.3	14.65	13.46	12.73
		1880	14.67	13.46	12.73
		1850.7	14.61	13.76	13.03
	3RB Middle (1)	1909.3	14.72	13.47	12.74
		1880	14.68	13.50	12.77
		1850.7	14.62	13.77	13.04
	3RB Low (0)	1909.3	14.68	13.43	12.70
		1880	14.64	13.44	12.71
		1850.7	14.61	13.76	13.03
	6RB (0)	1909.3	14.65	12.55	11.82
		1880	14.65	12.53	11.80
		1850.7	13.61	12.49	11.76
3 MHz	1RB High (14)	1908.5	14.73	13.75	13.02
		1880	14.45	13.34	12.61
		1851.5	15.86	13.98	13.25
	1RB Middle (7)	1908.5	14.64	13.84	13.11
		1880	14.66	13.50	12.77
		1851.5	14.57	14.09	13.36
	1RB Low (0)	1908.5	14.65	13.77	13.04
		1880	14.63	13.38	12.65
		1851.5	14.61	13.96	13.23
	8RB High (7)	1908.5	14.73	12.76	12.03
		1880	14.70	12.54	11.81
		1851.5	14.70	12.71	11.98
	8RB Middle (4)	1908.5	14.66	12.81	12.08
		1880	14.73	12.58	11.85
		1851.5	14.72	12.78	12.05
	8RB Low (0)	1908.5	14.68	12.77	12.04
		1880	14.66	12.59	11.86
		1851.5	14.67	12.72	11.99
	15RB (0)	1908.5	14.69	12.70	11.97
		1880	14.73	12.47	11.74
		1851.5	14.67	12.69	11.96

5 MHz	1RB High (24)	1907.5	14.71	13.89	13.16
		1880	14.41	13.64	12.91
		1852.5	14.65	14.19	13.46
	1RB Middle (12)	1907.5	14.76	13.88	13.15
		1880	14.47	13.67	12.94
		1852.5	14.64	14.17	13.44
	1RB Low (0)	1907.5	14.77	13.88	13.15
		1880	14.45	13.69	12.96
		1852.5	14.68	14.15	13.42
	12RB High (13)	1907.5	13.77	12.80	12.07
		1880	13.44	12.51	11.78
		1852.5	13.66	12.80	12.07
	12RB Middle (6)	1907.5	13.80	12.82	12.09
		1880	13.48	12.56	11.83
		1852.5	13.65	12.85	12.12
	12RB Low (0)	1907.5	13.75	12.81	12.08
		1880	13.45	12.53	11.80
		1852.5	13.64	12.80	12.07
	25RB (0)	1907.5	13.71	12.72	11.99
		1880	13.47	12.49	11.76
		1852.5	13.64	12.75	12.02
10 MHz	1RB High (49)	1905	14.75	14.00	13.27
		1880	14.44	13.37	12.64
		1855	14.42	13.92	13.19
	1RB Middle (24)	1905	14.73	14.11	13.38
		1880	14.52	13.40	12.67
		1855	14.52	14.00	13.27
	1RB Low (0)	1905	14.59	14.15	13.42
		1880	14.62	13.44	12.71
		1855	14.58	14.02	13.29
	25RB High (25)	1905	13.50	12.57	11.84
		1880	13.53	12.46	11.73
		1855	13.50	12.59	11.86
	25RB Middle (12)	1905	13.54	12.60	11.87
		1880	13.53	12.54	11.81
		1855	13.56	12.72	11.99
	25RB Low (0)	1905	13.66	12.76	12.03
		1880	13.63	12.51	11.78
		1855	13.64	12.71	11.98
	50RB (0)	1905	13.51	12.54	11.81
		1880	13.52	12.50	11.77
		1855	13.50	12.74	12.01
15 MHz	1RB High (74)	1902.5	14.77	14.13	13.40
		1880	14.49	13.42	12.69
		1857.5	14.66	13.98	13.25
	1RB Middle (37)	1902.5	14.75	14.14	13.41
		1880	14.48	13.41	12.68
		1857.5	14.62	13.97	13.24

	1RB Low (0)	1902.5	14.88	14.30	13.57
		1880	14.68	13.63	12.90
		1857.5	14.83	14.13	13.40
	36RB High (38)	1902.5	13.74	12.72	11.99
		1880	13.48	12.50	11.77
		1857.5	13.59	12.65	11.92
	36RB Middle (19)	1902.5	13.77	12.77	12.04
		1880	13.47	12.50	11.77
		1857.5	13.59	12.70	11.97
	36RB Low (0)	1902.5	13.83	12.77	12.04
		1880	13.53	12.50	11.77
		1857.5	13.71	12.84	12.11
	75RB (0)	1902.5	13.75	12.79	12.06
		1880	13.45	12.48	11.75
		1857.5	13.57	12.62	11.89
20 MHz	1RB High (99)	1900	14.65	14.14	13.41
		1880	14.35	13.77	13.15
		1860	14.43	13.91	13.13
	1RB Middle (50)	1900	14.60	14.12	13.35
		1880	14.37	13.76	13.07
		1860	14.54	14.04	13.17
	1RB Low (0)	1900	14.78	14.28	13.51
		1880	14.58	13.92	13.31
		1860	14.71	14.21	13.48
	50RB High (50)	1900	13.68	12.72	12.36
		1880	13.39	12.40	11.94
		1860	13.55	12.58	12.07
	50RB Middle (25)	1900	13.69	12.73	12.31
		1880	13.45	12.43	11.98
		1860	13.57	12.63	12.14
	50RB Low (0)	1900	13.75	12.81	12.36
		1880	13.48	12.45	12.05
		1860	13.74	12.73	12.27
	100RB (0)	1900	13.74	12.76	12.28
		1880	13.43	12.43	11.97
		1860	13.57	12.64	12.12

Band 5					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	848.3	14.88	13.98	13.74
		836.5	15.17	14.33	14.09
		824.7	15.01	14.39	14.15
	1RB Middle (3)	848.3	14.98	14.02	13.78
		836.5	15.24	14.33	14.09
		824.7	15.05	14.46	14.22
	1RB Low (0)	848.3	14.87	13.97	13.73
		836.5	15.20	14.26	14.02
		824.7	15.01	14.41	14.17
	3RB High (3)	848.3	14.91	14.13	13.89
		836.5	15.16	14.25	14.01
		824.7	15.03	14.22	13.98
	3RB Middle (1)	848.3	14.99	14.19	13.95
		836.5	15.18	14.28	14.04
		824.7	15.08	14.28	14.04
	3RB Low (0)	848.3	14.90	14.12	13.88
		836.5	15.18	14.23	13.99
		824.7	15.02	14.25	14.01
	6RB (0)	848.3	13.92	13.14	12.90
		836.5	14.16	13.37	13.13
		824.7	14.03	12.97	12.73
3 MHz	1RB High (14)	847.5	15.02	14.14	13.90
		836.5	15.25	14.11	13.87
		825.5	15.13	14.44	14.20
	1RB Middle (7)	847.5	15.13	14.30	14.06
		836.5	15.34	14.27	14.03
		825.5	15.26	14.57	14.33
	1RB Low (0)	847.5	15.28	14.18	13.94
		836.5	15.28	14.16	13.92
		825.5	15.11	14.50	14.26
	8RB High (7)	847.5	14.27	13.39	13.15
		836.5	14.29	13.34	13.10
		825.5	15.24	13.20	12.96
	8RB Middle (4)	847.5	14.29	13.41	13.17
		836.5	14.31	13.36	13.12
		825.5	15.28	13.23	12.99
	8RB Low (0)	847.5	14.29	13.37	13.13
		836.5	14.26	13.41	13.17
		825.5	15.11	13.22	12.98
	15RB (0)	847.5	14.27	13.31	13.07
		836.5	14.28	13.29	13.05
		825.5	14.26	13.20	12.96
5 MHz	1RB	846.5	15.12	14.55	14.31

	High (24)	836.5	15.13	14.30	14.06
		826.5	15.04	14.28	14.04
	1RB Middle (12)	846.5	15.25	14.51	14.27
		836.5	15.23	14.38	14.14
	1RB Low (0)	826.5	15.09	14.28	14.04
		846.5	15.24	14.65	14.41
		836.5	15.24	14.45	14.21
	12RB High (13)	826.5	15.06	14.32	14.08
		846.5	14.31	13.19	12.95
		836.5	14.27	13.32	13.08
	12RB Middle (6)	826.5	14.14	13.22	12.98
		846.5	14.35	13.21	12.97
		836.5	14.29	13.38	13.14
	12RB Low (0)	826.5	14.14	13.28	13.04
		846.5	14.30	13.20	12.96
		836.5	14.27	13.37	13.13
	25RB (0)	826.5	14.16	13.24	13.00
		846.5	14.26	13.12	12.88
		836.5	14.30	13.27	13.03
10 MHz	1RB High (49)	826.5	14.15	13.16	12.92
		844.0	14.83	13.83	13.59
		836.5	15.00	14.37	13.79
	1RB Middle (24)	829.0	15.17	14.10	13.77
		844.0	14.95	13.91	13.76
		836.5	15.12	14.46	13.85
	1RB Low (0)	829.0	14.93	13.99	13.55
		844.0	14.96	13.95	13.86
		836.5	15.04	14.44	13.84
	25RB High (25)	829.0	14.95	14.02	13.74
		844.0	13.88	12.92	12.55
		836.5	14.04	13.10	12.61
	25RB Middle (12)	829.0	14.06	13.18	12.61
		844.0	14.08	13.09	12.67
		836.5	14.21	13.23	12.78
	25RB Low (0)	829.0	14.02	13.12	12.55
		844.0	14.07	13.10	12.71
		836.5	14.23	13.25	12.78
	50RB (0)	829.0	14.03	13.15	12.56
		844.0	13.97	12.96	12.56
		836.5	14.13	13.16	12.68
		829.0	14.02	13.07	12.58

Band 12					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	715.3	15.59	14.69	14.14
		707.5	15.73	14.82	14.25
		699.7	15.64	15.05	14.05
	1RB Middle (3)	715.3	15.69	14.75	14.18
		707.5	15.77	14.97	14.26
		699.7	15.70	15.13	14.18
	1RB Low (0)	715.3	15.62	14.69	14.06
		707.5	15.75	14.87	14.08
		699.7	15.64	15.04	14.11
	3RB High (3)	715.3	15.60	14.82	13.99
		707.5	15.66	14.80	14.14
		699.7	15.63	14.78	13.91
	3RB Middle (1)	715.3	15.67	14.91	14.18
		707.5	15.75	14.82	14.18
		699.7	15.71	14.87	13.98
	3RB Low (0)	715.3	15.61	14.82	14.16
		707.5	15.72	14.78	14.18
		699.7	15.63	14.80	14.09
	6RB (0)	715.3	14.68	13.85	13.01
		707.5	14.77	13.90	13.06
		699.7	14.63	13.54	12.90
3 MHz	1RB High (14)	714.5	15.66	14.75	14.20
		707.5	15.75	14.72	14.13
		700.5	15.77	15.12	14.17
	1RB Middle (7)	714.5	15.81	14.84	14.21
		707.5	15.91	14.83	14.38
		700.5	15.81	15.24	14.10
	1RB Low (0)	714.5	15.74	14.79	14.37
		707.5	15.74	14.78	14.27
		700.5	15.75	15.12	14.04
	8RB High (7)	714.5	14.73	13.82	13.03
		707.5	14.78	13.96	13.03
		700.5	14.70	13.75	12.96
	8RB Middle (4)	714.5	14.79	13.84	13.06
		707.5	14.83	13.98	13.17
		700.5	14.72	13.79	13.00
	8RB Low (0)	714.5	14.75	13.80	13.05
		707.5	14.83	13.99	13.14
		700.5	14.70	13.77	12.95
	15RB (0)	714.5	14.73	13.73	13.02
		707.5	14.80	13.88	13.18
		700.5	14.70	13.74	12.92
5 MHz	1RB	713.5	15.78	14.89	14.11

	High (24)	707.5	15.73	15.32	14.19
		701.5	15.78	14.94	14.21
	1RB Middle (12)	713.5	15.80	14.95	14.18
		707.5	15.78	15.32	14.09
		701.5	15.85	14.89	14.18
		713.5	15.73	14.83	14.04
	1RB Low (0)	707.5	15.72	15.27	14.22
		701.5	15.75	14.83	14.19
		713.5	14.86	13.84	13.03
		707.5	14.82	13.99	13.14
	12RB High (13)	701.5	14.72	13.84	13.04
		713.5	14.85	13.91	13.20
		707.5	14.88	14.00	13.14
		701.5	14.79	13.88	13.12
	12RB Middle (6)	713.5	14.84	13.88	13.10
		707.5	14.84	14.01	13.16
		701.5	14.71	13.75	13.01
		713.5	14.87	13.80	13.08
	25RB (0)	707.5	14.83	13.92	13.11
		701.5	14.79	13.72	13.01
10 MHz		711	15.63	14.63	14.24
		707.5	15.60	14.99	14.18
	1RB High (49)	704	15.62	14.67	14.08
		711	15.61	14.60	14.25
		707.5	15.62	15.00	14.32
		704	15.56	14.66	14.25
	1RB Middle (24)	711	15.64	14.61	14.23
		707.5	15.63	15.00	14.24
		704	15.56	14.63	14.19
		711	14.73	13.78	13.14
	25RB Low (0)	707.5	14.67	13.75	13.09
		704	14.68	13.82	13.16
		711	14.67	13.75	13.16
		707.5	14.73	13.78	13.18
	25RB High (25)	704	14.64	13.78	13.08
		711	14.72	13.73	13.16
		707.5	14.56	13.69	13.06
		704	14.71	13.81	13.03
	25RB Middle (12)	711	14.65	13.70	13.14
		707.5	14.72	13.70	13.14
		704	14.76	13.80	13.22
		711	14.65	13.70	13.14
	50RB (0)	707.5	14.72	13.70	13.14
		704	14.76	13.80	13.22

Band 14					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	795.5	15.17	14.25	13.72
		793	15.18	14.38	13.68
		790.5	15.16	14.77	13.73
	1RB Middle (12)	795.5	15.21	14.27	13.93
		793	15.11	14.37	13.73
		790.5	15.17	14.71	13.97
	1RB Low (0)	795.5	15.22	14.36	13.70
		793	15.27	14.34	13.76
		790.5	15.21	14.79	13.96
	12RB High (13)	795.5	14.13	13.21	12.62
		793	14.16	13.23	12.55
		790.5	14.12	13.34	12.69
	12RB Middle (6)	795.5	14.21	13.25	12.64
		793	14.18	13.30	12.64
		790.5	14.22	13.39	12.69
	12RB Low (0)	795.5	14.17	13.21	12.64
		793	14.14	13.29	12.70
		790.5	14.20	13.38	12.74
	25RB (0)	795.5	14.15	13.10	12.60
		793	14.18	13.17	12.63
		790.5	14.14	13.25	12.67
10 MHz	1RB High (49)	793	15.00	14.02	13.61
	1RB Middle (24)	793	15.05	14.14	13.86
	1RB Low (0)	793	15.08	14.13	13.62
	25RB High (25)	793	14.07	13.16	12.66
	25RB Middle (12)	793	14.08	13.22	12.61
	25RB Low (0)	793	14.08	13.17	12.64
	50RB (0)	793	14.05	13.15	12.63

Band 30					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	2312.5	13.96	13.06	12.57
		2310	13.93	13.43	12.66
		2307.5	14.00	13.09	12.59
	1RB Middle (12)	2312.5	13.98	13.07	12.68
		2310	13.95	13.46	12.73
		2307.5	14.06	13.11	12.81
	1RB Low (0)	2312.5	14.07	13.15	12.79
		2310	14.00	13.51	12.79
		2307.5	13.98	13.07	12.66
	12RB High (13)	2312.5	12.90	12.00	11.53
		2310	12.92	12.05	11.59
		2307.5	13.02	12.05	11.61
	12RB Middle (6)	2312.5	12.94	12.04	11.57
		2310	13.01	12.13	11.62
		2307.5	13.04	12.10	11.64
	12RB Low (0)	2312.5	12.93	12.05	11.61
		2310	12.97	12.12	11.64
		2307.5	12.91	12.00	11.57
	25RB (0)	2312.5	12.95	11.95	11.53
		2310	13.00	12.06	11.57
		2307.5	13.00	11.95	11.62
10 MHz	1RB High (49)	2310	13.81	13.14	12.54
	1RB Middle (24)	2310	13.93	13.24	12.63
	1RB Low (0)	2310	13.92	13.25	12.75
	25RB High (25)	2310	12.85	11.92	11.52
	25RB Middle (12)	2310	12.91	11.98	11.59
	25RB Low (0)	2310	12.95	12.00	11.65
	50RB (0)	2310	12.91	11.95	11.64

Band 66					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1779.3	14.55	13.57	12.84
		1745	14.56	13.73	13.00
		1710.7	14.33	13.74	13.01
	1RB Middle (3)	1779.3	14.59	13.64	12.91
		1745	14.67	13.81	13.08
		1710.7	14.44	13.79	13.06
	1RB Low (0)	1779.3	14.54	13.57	12.84
		1745	14.59	13.77	13.04
		1710.7	14.35	13.79	13.06
	3RB High (3)	1779.3	14.56	13.81	13.08
		1745	14.59	13.66	12.93
		1710.7	14.33	13.47	12.74
	3RB Middle (1)	1779.3	14.61	13.83	13.10
		1745	14.61	13.67	12.94
		1710.7	14.37	13.55	12.82
	3RB Low (0)	1779.3	14.54	13.79	13.06
		1745	14.55	13.63	12.90
		1710.7	14.32	13.51	12.78
	6RB (0)	1779.3	13.57	12.76	12.03
		1745	13.61	12.75	12.02
		1710.7	13.33	12.25	11.52
3 MHz	1RB High (14)	1778.5	14.59	13.64	12.91
		1745	14.63	13.54	12.81
		1711.5	14.40	13.82	13.09
	1RB Middle (7)	1778.5	14.73	13.79	13.06
		1745	14.73	13.64	12.91
		1711.5	14.50	13.94	13.21
	1RB Low (0)	1778.5	14.63	13.67	12.94
		1745	14.60	13.60	12.87
		1711.5	14.39	13.81	13.08
	8RB High (7)	1778.5	13.61	12.70	11.97
		1745	13.63	12.77	12.04
		1711.5	13.43	12.47	11.74
	8RB Middle (4)	1778.5	13.60	12.69	11.96
		1745	13.66	12.78	12.05
		1711.5	13.43	12.53	11.80
	8RB Low (0)	1778.5	13.61	12.71	11.98
		1745	13.64	12.79	12.06
		1711.5	13.38	12.52	11.79
	15RB (0)	1778.5	13.66	12.58	11.85
		1745	13.63	12.67	11.94
		1711.5	13.39	12.40	11.67

5 MHz	1RB High (24)	1777.5	14.64	13.82	13.09
		1745	14.76	13.87	13.14
		1712.5	14.43	13.95	13.22
	1RB Middle (12)	1777.5	14.66	13.76	13.03
		1745	14.71	13.79	13.06
		1712.5	14.34	13.94	13.21
	1RB Low (0)	1777.5	14.68	13.81	13.08
		1745	14.74	13.86	13.13
		1712.5	14.42	13.99	13.26
	12RB High (13)	1777.5	13.60	12.68	11.95
		1745	13.65	12.75	12.02
		1712.5	13.43	12.57	11.84
	12RB Middle (6)	1777.5	13.65	12.71	11.98
		1745	13.69	12.74	12.01
		1712.5	13.43	12.61	11.88
	12RB Low (0)	1777.5	13.66	12.69	11.96
		1745	13.63	12.75	12.02
		1712.5	13.38	12.60	11.87
	25RB (0)	1777.5	13.58	12.61	11.88
		1745	13.68	12.69	11.96
		1712.5	13.44	12.50	11.77
10 MHz	1RB High (49)	1775	14.64	13.51	12.78
		1745	14.73	14.10	13.37
		1715	14.46	13.41	12.68
	1RB Middle (24)	1775	14.63	13.55	12.82
		1745	14.70	14.04	13.31
		1715	14.42	13.42	12.69
	1RB Low (0)	1775	14.29	13.52	12.79
		1745	14.37	14.08	13.35
		1715	14.44	13.50	12.77
	25RB High (25)	1775	13.60	12.61	11.88
		1745	13.66	12.70	11.97
		1715	13.42	12.54	11.81
	25RB Middle (12)	1775	13.64	12.68	11.95
		1745	13.71	12.72	11.99
		1715	13.47	12.51	11.78
	25RB Low (0)	1775	13.65	12.63	11.90
		1745	13.73	12.72	11.99
		1715	13.45	12.56	11.83
	50RB (0)	1775	13.63	12.61	11.88
		1745	13.71	12.70	11.97
		1715	13.40	12.47	11.74
15 MHz	1RB High (74)	1772.5	14.59	14.00	13.27
		1745	14.69	13.67	12.94
		1717.5	14.50	13.86	13.13
	1RB Middle (37)	1772.5	14.51	13.98	13.25
		1745	14.64	13.60	12.87
		1717.5	14.48	13.89	13.16

	1RB Low (0)	1772.5	14.72	14.17	13.44
		1745	14.75	13.72	12.99
		1717.5	14.61	13.98	13.25
	36RB High (38)	1772.5	13.51	12.50	11.77
		1745	13.67	12.71	11.98
		1717.5	13.44	12.50	11.77
	36RB Middle (19)	1772.5	13.52	12.51	11.78
		1745	13.69	12.70	11.97
		1717.5	13.47	12.57	11.84
	36RB Low (0)	1772.5	13.53	12.48	11.75
		1745	13.70	12.76	12.03
		1717.5	13.49	12.52	11.79
	75RB (0)	1772.5	13.51	12.55	11.82
		1745	13.67	12.73	12.00
		1717.5	13.47	12.51	11.78
20 MHz	1RB High (99)	1770	14.38	13.86	13.13
		1745	14.61	14.09	13.36
		1720	14.46	13.96	13.30
	1RB Middle (50)	1770	14.35	13.78	13.11
		1745	14.59	14.17	13.40
		1720	14.33	13.83	13.13
	1RB Low (0)	1770	14.56	13.98	13.46
		1745	14.71	14.25	13.44
		1720	14.47	14.03	13.38
	50RB High (50)	1770	13.43	12.44	12.14
		1745	13.61	12.70	12.31
		1720	13.39	12.44	12.06
	50RB Middle (25)	1770	13.44	12.42	12.18
		1745	13.67	12.68	12.31
		1720	13.41	12.41	12.06
	50RB Low (0)	1770	13.58	12.54	12.26
		1745	13.65	12.73	12.41
		1720	13.43	12.45	12.10
	100RB (0)	1770	13.43	12.42	12.18
		1745	13.63	12.68	12.33
		1720	13.40	12.40	12.04