

HUNAN GREATWALL COMPUTER SYSTEM CO.,LTD. **TEST REPORT**

SCOPE OF WORK

FCC TESTING– LM1097P, LM1097P-A, LM1097P-B, LM1097P-C

REPORT NUMBER

231204042SZN-006

ISSUE DATE [REVIS**ED** DATE]

22 July 2024 [-----]

PAGES

172

DOCUMENT CONTROL NUMBER

FCC SAR_b

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SAR TEST REPORT

For

HUNAN GREATWALL COMPUTER SYSTEM CO.,LTD.

Product Description: Tablet

FCC ID: 2APUQ-LM1097P

Model No.: LM1097P, LM1097P-A, LM1097P-B, LM1097P-C

Report No.: 231204042SZN-006

Issue Date: 22 July 2024

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22 July 2024

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Table of Contents

1.	GENERAL INFORMATION	3
2.	EQUIPMENT UNDER TEST (EUT) TECHNICAL DESCRIPTION	4
3.	AUXILIARY EQUIPMENT DETAILS.....	8
4.	TEST FACILITY	8
5.	GUIDANCE STANDARD.....	9
6.	EUT ANTENNA LOCATIONS	10
7.	POWER REDUCTION BY PROXIMITY SENSING	12
8.	RF EXPOSURE	18
9.	SPECIFIC ABSORPTION RATE (SAR)	20
10.	SAR MEASUREMENTS SYSTEM CONFIGURATION	21
11.	MEASUREMENT PROCEDURES	36
12.	TEST RESULTS	43
13.	MEASUREMENT UNCERTAINTY	170
14.	MAIN TEST INSTRUMENT	171
	ANNEX A: TEST LAYOUT AND SETUP	172
	ANNEX B: SYSTEM CHECK RESULTS.....	172
	ANNEX C: MAXIMUM GRAPH RESULTS	172
	ANNEX D: SYSTEM VALIDATION	172
	ANNEX E: EUT PHOTO	172
	ANNEX F: PROBE CALIBRATION CERTIFICATE	172
	ANNEX G: DIPOLE CALIBRATION CERTIFICATE.....	172
	ANNEX H: DAE CALIBRATION CERTIFICATE.....	172

1. GENERAL INFORMATION

Applicant:	HUNAN GREATWALL COMPUTER SYSTEM CO.,LTD. Hunan GreatWall Industrial Park, Xiangyun Middle Road, Tianyuan District, Zhuzhou, Hunan Province, China
Manufacturer:	HUNAN GREATWALL COMPUTER SYSTEM CO.,LTD. Hunan GreatWall Industrial Park, Xiangyun Middle Road, Tianyuan District, Zhuzhou, Hunan Province, China
Product Description:	Tablet
Model Number:	LM1097P, LM1097P-A, LM1097P-B, LM1097P-C
File Number:	231204042SZN-006
Date of Test:	04 December 2023 to 29 February 2024

The above equipment was tested by Intertek Testing Services Shenzhen Ltd. Longhua Branch. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in IEEE 1528-2013 and KDB 865664. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in ANSI/IEEE C95.1-1992.

The test results of this report relate only to the tested sample identified in this report.

2. Equipment Under Test (EUT) TECHNICAL DESCRIPTION

Characteristics	Description		
Product Name:	Tablet		
Device type:	Portable device		
Exposure Category:	Uncontrolled Environment/General Population		
Test Mode(s):	GSM/TM1 (GSM system, GSM/GPRS, GMSK modulation)		
	GSM/TM2 (GSM system, EDGE, 8PSK modulation)		
	UMTS/TM1 (WCDMA system, QPSK modulation)		
	UMTS/TM2 (HSDPA system, QPSK modulation)		
	UMTS/TM3 (HSUPA system, QPSK modulation)		
	LTE/TM1 (LTE system, QPSK modulation)		
	LTE/TM2 (LTE system, 16QAM modulation)		
	WiFi 2.4G (DSSS/OFDM)		
	WiFi 5G (OFDM)		
	Bluetooth (GFSK, Pi/4 DQPSK, 8DPSK)		
Device Class:	B		
Antenna Type:	Internal permanent antenna		
Antenna Gain:	GSM850: -0.01dBi GSM1900: -1.51dBi UMTS850: -0.01dBi UMTS1900: -1.51dBi UMTS1700: -1.54dBi LTE BAND2: -1.51dBi LTE BAND4: -1.54dBi LTE BAND5: -0.01dBi LTE BAND12: -0.34dBi LTE BAND17: -0.34dBi LTE BAND25: -1.51dBi LTE BAND26(814-824MHz): 0.53dBi LTE BAND26(824-849MHz): -0.01dBi LTE BAND41: -0.03dBi LTE BAND66: -0.47dBi LTE BAND71: -2.64dBi 2.4G WIFI: 1.06 dBi 5G WIFI: 2.64 dBi		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM850	824 - 849	869 - 894
	GSM1900	1850 - 1910	1930 - 1990
	UMTS 850	824 - 849	869 - 894

Characteristics	Description		
	UMTS 1900	1850 - 1910	1930 - 1990
	UMTS 1700	1710 - 1755	2110 - 2155
	LTE Band 2	1850 - 1910	1930 - 1990
	LTE Band 4	1710 - 1755	2110 - 2155
	LTE Band 5	824 - 849	869 - 894
	LTE Band 12	699 - 716	729 - 746
	LTE Band 17	704 - 716	734 - 746
	LTE Band 25	1850 - 1915	1930 - 1995
	LTE Band 26 (814-824 MHz)	814 - 824	859 - 869
	LTE Band 26 (824-849 MHz)	824 - 849	869 - 894
	LTE Band 41	2496 - 2690	2496 - 2690
	LTE Band 66	1710 - 1780	2110 - 2200
	LTE Band 71	663 - 698	617 - 652
	BT	2400-2483.5	
	WiFi 2.4G	2412-2462	
WiFi 5G	5150MHz~5250 MHz, 5250MHz~5350MHz, 5725MHz~5850MHz		
HSUPA UE Category:	6		
HSDPA UE Category:	14		
Power Class:	GSM 850: 4 GSM 1900: 1 UMTS Band II: 3 UMTS Band IV: 3 UMTS Band V: 3 LTE Band 2: 3 LTE Band 4: 3 LTE Band 5: 3 LTE Band 12: 3 LTE Band 17: 3 LTE Band 25: 3 LTE Band 26(814-824 MHz): 3 LTE Band 26(824-849 MHz): 3 LTE Band 41: 3 LTE Band 66: 3 LTE Band 71: 3		
Test Channels (low-mid-high):	128-250-191 (GSM850)		
	512-661-810 (GSM1900)		

Characteristics	Description
	9262-9400-9538 (UMTS Band II)
	1312-1413-1513 (UMTS Band IV)
	4132-4182-4233 (UMTS Band V)
	18607-18900-19193 (LTE Band 2 BW=1.4MHz)
	18615-18900-19185(LTE Band 2 BW=3MHz)
	18625-18900-19175(LTE Band 2 BW=5MHz)
	18650-18900-19150(LTE Band 2 BW=10MHz)
	18675-18900-19125(LTE Band 2 BW=15MHz)
	18700-18900-19100(LTE Band 2 BW=20MHz)
	19957-20175-20393(LTE Band 4 BW=1.4MHz)
	19965-20175-20385(LTE Band 4 BW=3MHz)
	19975-20175-20375(LTE Band 4 BW=5MHz)
	20000-20175-20350(LTE Band 4 BW=10MHz)
	20025-20175-20325(LTE Band 4 BW=15MHz)
	20050-20175-20300(LTE Band 4 BW=20MHz)
	20407-20525-20643(LTE Band 5 BW=1.4MHz)
	20415-20525-20635(LTE Band 5 BW=3MHz)
	20425-20525-20625(LTE Band 5 BW=5MHz)
	20450-20525-20600(LTE Band 5 BW=10MHz)
	23017-23095-23173(LTE Band 12 BW=1.4MHz)
	23025-23095-23165(LTE Band 12 BW=3MHz)
	23035-23095-23155(LTE Band 12 BW=5MHz)
	23205-23230-23255(LTE Band 12 BW=10MHz)
	23755-23790-23825(LTE Band 17 BW=5MHz)
	23780-23790-23800(LTE Band 17 BW=10MHz)
	26047-26365-26683 (LTE Band 25 BW=1.4MHz)
	26055-26365-26675 (LTE Band 25 BW=3MHz)
	26065-26365-26665 (LTE Band 25 BW=5MHz)
	26090-26365-26640 (LTE Band 25 BW=10MHz)
	26115-26365-26615(LTE Band 25 BW=15MHz)
	26140-26365-26590(LTE Band 25 BW=20MHz)
	26697-26740-26783(LTE Band 26A BW=1.4MHz)
	26705-26775-27025 (LTE Band 26A BW=3MHz)
	26715-26765-27015 (LTE Band 26A BW=5MHz)
	26740-26840-26990 (LTE Band 26A BW=10MHz)
	26797-26915-27033 (LTE Band 26B BW=1.4MHz)

Characteristics	Description
	26805-26915-27025 (LTE Band 26B BW=3MHz)
	26815-26915-27015 (LTE Band 26B BW=5MHz)
	26840-26915-26990 (LTE Band 26B BW=10MHz)
	26865-26915-26965 (LTE Band 26B BW=15MHz)
	39675-40148-40620-41093-41565 (LTE Band 41 BW=5MHz)
	39700-40160-40620-41080-41540 (LTE Band 41 BW=10MHz)
	39725-40173-40620-41068-41515 (LTE Band 41 BW=15MHz)
	39750-40185-40620-41055-41490 (LTE Band 41 BW=20MHz)
	131979-132322-132665(LTE Band 66 BW=1.4MHz)
	131987-132322-132657(LTE Band 66 BW=3MHz)
	131997-132322-132647(LTE Band 66 BW=5MHz)
	132022-132322-132622(LTE Band 66 BW=10MHz)
	132047-132322-132597(LTE Band 66 BW=15MHz)
	132072-132322-132572(LTE Band 66 BW=20MHz)
	133147-133297-133447(LTE Band 71 BW=5MHz)
	133172-133297-133422(LTE Band 71 BW=10MHz)
	133197-133297-133397(LTE Band 71 BW=15MHz)
	133222-133322-133372(LTE Band 71 BW=20MHz)
Power supply:	DC 3.8V rechargeable battery
	DC 5V/2A by adapter
Product Software Version:	alps-mp-t0.mp1-V11.141
Product Hardware Version:	M866YC

Note:

1. NA is Not Applicable
2. For more details, please refer to the User's manual of the EUT.
3. The sample under test was selected by the Client.

3. Auxiliary Equipment Details

Description	Manufacturer	Remark
Router	NETGEAR (provided by Intertek)	Model: R7800
Mobile phone	SAMSUNG (provided by Intertek)	Model: S7
Adapter	Shenzhen Huajin Electronics Co., Ltd. (Provided by Client)	Model: HJ-0502000W2-US Input: 100-240V~ 50/60Hz 0.3A Output: 5.0V=2.0A 10.0W
Type-C cable	N/A (Provided by Client)	Unshielded, Length 105cm

4. Test Facility

Site Description	
EMC Lab.	The Laboratory has been assessed and proved to be in compliance with CNAS/CL01: 2006(identical to ISO/IEC17025: 2005) The Certificate Registration Number is L0327
	Accredited by FCC The Certificate Registration Number is CN1188
Name of Firm	Intertek Testing Services Shenzhen Ltd. Longhua Branch
Site Location	101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, ShenZhen, P.R. China

5. Guidance Standard

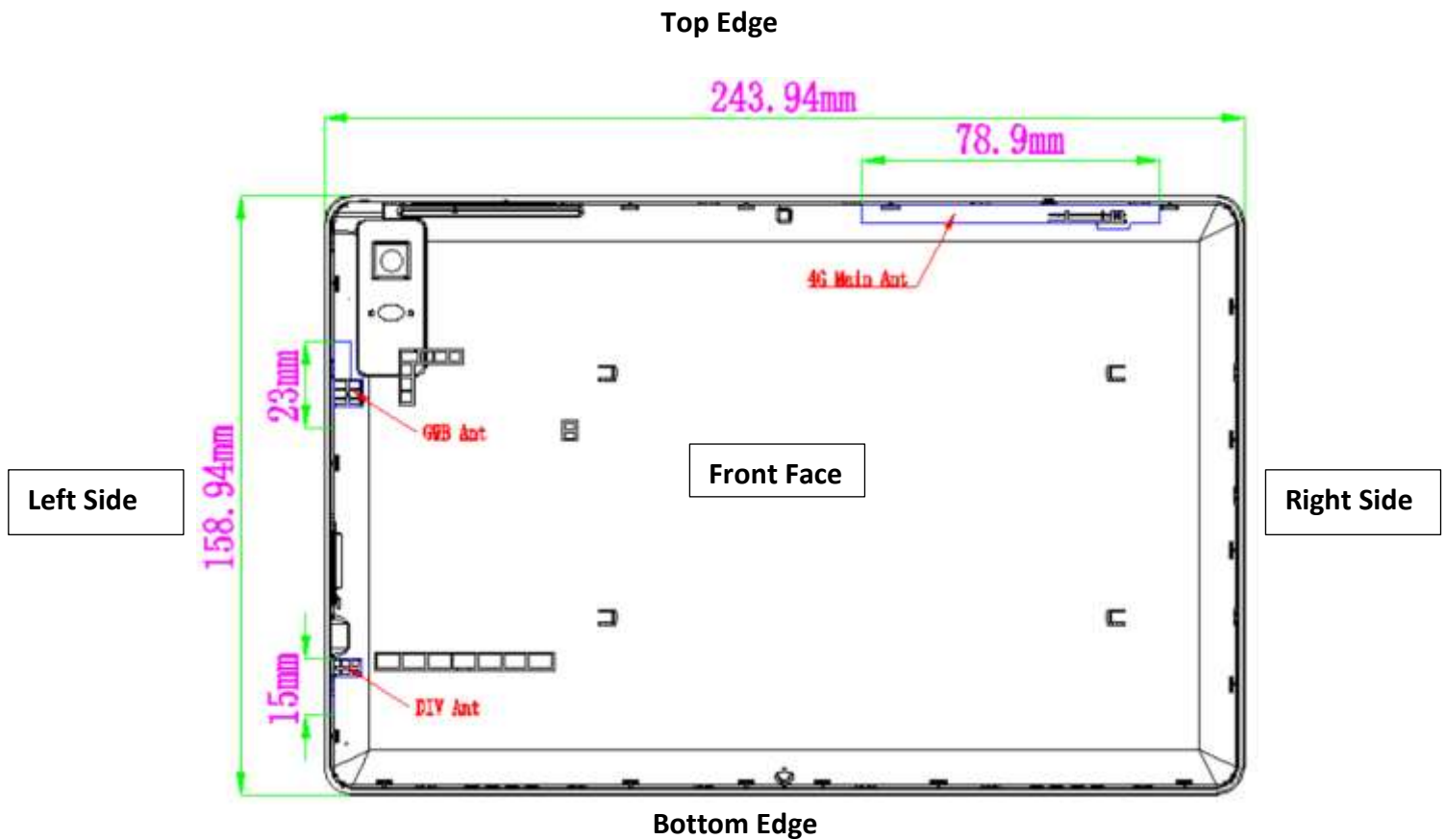
The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- ☒ FCC 47CFR §2.1093 Radiofrequency Radiation Exposure Evaluation: Portable Devices
- ☒ ANSI C95.1, 1992: Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz. (IEEE Std C95.1-1991)
- ☒ IEEE Std 1528™-2013: IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques.
- ☒ KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04: SAR Measurement Requirements for 100 MHz to 6 GHz
- ☒ KDB 865664 D02 SAR Reporting v01r02
- ☒ KDB690783 D01 SAR Listings on Grants v01r03
- ☒ KDB 447498 D01 Mobile Portable RF Exposure v06: Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
- ☒ KDB 648474 D04 Handset SAR v01r03: SAR Evaluation Considerations for Wireless Handsets.
- ☒ KDB 941225 D01 SAR test for 3G Devices v03r01: SAR Measurement Procedures CDMA2000 1×RTT, 1×Ev-Do, WCDMA, HSDPA/HSPA
- ☒ KDB 941225 D05 SAR for LTE Devices v02r05: SAR Evaluation Considerations for LTE Devices
- ☒ KDB 941225 D06 Hotspot Mode v02r01: SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities
- ☒ KDB 248227 D01 SAR measurement for 802.11 a b g v02r02: SAR Measurement Procedures for 802.11 a/b/g Transmitters
- ☒ KDB 616217 D04 SAR EVALUATION CONSIDERATIONS FOR LAPTOP, NOTEBOOK, NETBOOK AND TABLET COMPUTERS

Remark:

This portable wireless equipment has been measured in all cases requested by the relevant standards. Test results in Chapter 11 of this test report are below limits specified in the relevant standards for the tested bands only.

6. EUT Antenna Locations



Test position consideration:

Distance of EUT antenna-to-edge/surface(mm), Test distance: 0mm						
Antennas	Rear Face	Front Face	Top	Bottom	Left Side	Right Side
WWAN 1	1	2	1	150	142	26
WLAN	1	2	40	97	1	234
Bluetooth	1	2	1	150	142	26

Test distance: 0mm						
Antennas	Rear Face	Front Face	Top	Bottom	Left Side	Right Side
WWAN 1	YES	NO (see note1)	YES	NO	NO	YES
WLAN	YES	NO (see note1)	NO	NO	YES	NO
Bluetooth	NO	NO	NO	NO	NO	NO

Note:

1. Body-worn SAR assessments are required.

Referring to KDB 616217 D04, when the overall diagonal dimension of the keyboard and/or display section of a laptop or tablet is > 20 cm, the test distance is 0mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge. Exposures from antennas through the front (top) surface of the display section of a full-size tablet, away from the edges, are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary.

2. Per KDB 447498 D01v06, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user, which is 0 mm body-worn SAR.

The Maximum reported SAR1g

Body SAR Configuration

Mode	Test Position	Channel /Frequency (MHz)	Limit SAR1g 1.6 W/kg	
			Measured SAR1g (W/kg)	Reported SAR1g (W/kg)
2.4G WIFI- 802.11b	Rear Side	6/2437	0.699	0.766

7. Power Reduction by Proximity Sensing

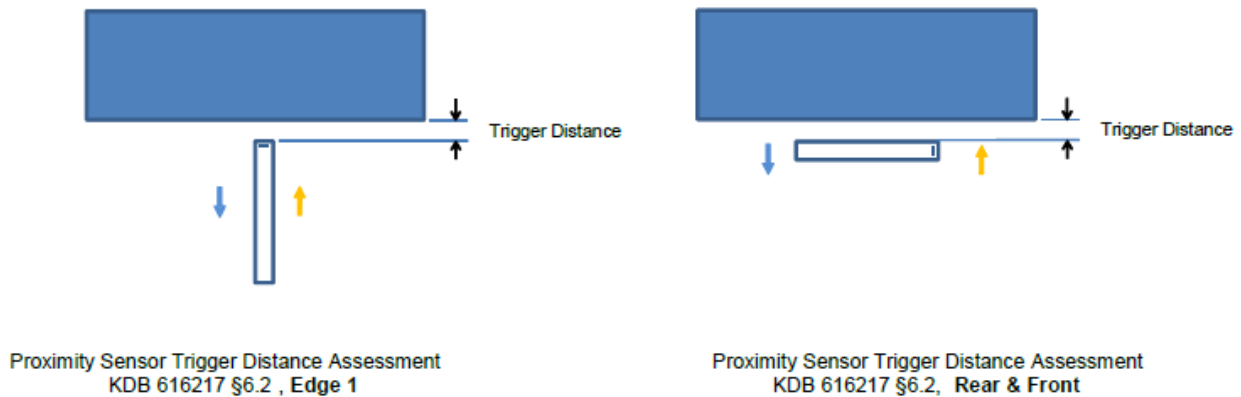
7.1 Proximity Sensor Triggering Distance (KDB 616217 §6.2)

Rear surface of the DUT was placed directly below the flat phantom. The DUT was moved toward the phantom in accordance with the steps outlined in KDB 616217 §6.2 to determine the trigger distance for enabling power reduction. The DUT was moved away from the phantom to determine the trigger distance for resuming full power.

The measurement was then repeated for the rear surface and edge 1 of a tablet (Top Edge).

The DUT featured a visual indicator on its display that showed the status of the proximity sensor (Triggered or not triggered). This was used to determine the status of the sensor during the proximity sensor assessment as monitoring the output power directly was not practical without affecting the measurement.

It was confirmed separately that the output power was altered according to the proximity sensor status indication. This was achieved by observing the proximity sensor status at the same time as monitoring the conducted power. Section 12 contains both the full and reduced conducted power measurements.



Note:

- Direction of DUT travel for determination of power reduction triggering point.
- Direction of DUT travel for determination of full power resumption triggering point.

Summary of Trigger Distances

Tissue simulating liquid	Trigger distance (Rear face)		Trigger distance (Top edge)	
	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom
750				
835	15mm	15mm	15mm	15mm
900	15mm	15mm	15mm	15mm
1750	15mm	15mm	15mm	15mm
1900	15mm	15mm	15mm	15mm
2450	15mm	15mm	15mm	15mm
2600	15mm	15mm	15mm	15mm
5200	15mm	15mm	15mm	15mm
5300	15mm	15mm	15mm	15mm
5600	15mm	15mm	15mm	15mm
5800	15mm	15mm	15mm	15mm

7.2 Proximity Sensor Triggering Distance Measurement Results

GSM850

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

Distance to DUT & Output power in dBm											
Distance(mm)	20	19	18	17	16	15	14	13	12	11	10
GSM850 Voice	33.45	33.45	33.45	33.45	33.45	25.48	25.48	25.48	25.48	25.48	25.48
GSM850 GPRS	33.43	33.43	33.43	33.43	33.43	25.45	25.45	25.45	25.45	25.45	25.45
GSM850 EGPRS	26.50	26.50	26.50	26.50	26.50	18.85	18.85	18.85	18.85	18.85	18.85

GSM1900

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

Distance to DUT & Output power in dBm											
Distance(mm)	20	19	18	17	16	15	14	13	12	11	10
GSM1900 Voice	33.45	33.45	33.45	33.45	33.45	25.48	25.48	25.48	25.48	25.48	25.48
GSM1900 GPRS	33.43	33.43	33.43	33.43	33.43	25.45	25.45	25.45	25.45	25.45	25.45
GSM1900 EGPRS	26.50	26.50	26.50	26.50	26.50	18.85	18.85	18.85	18.85	18.85	18.85

WCDMA

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

Distance to DUT & Output power in dBm											
Distance(mm)	20	19	18	17	16	15	14	13	12	11	10
Band II	24.07	24.07	24.07	24.07	24.07	14.68	14.68	14.68	14.68	14.68	14.68
Band IV	24.05	24.05	24.05	24.05	24.05	14.61	14.61	14.61	14.61	14.61	14.61
Band V	24.80	24.80	24.80	24.80	24.80	15.33	15.33	15.33	15.33	15.33	15.33

LTE

Rear, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

Distance to DUT & Output power in dBm											
Distance(mm)	20	19	18	17	16	15	14	13	12	11	10
Band II	23.91	23.91	23.91	23.91	23.91	13.51	13.51	13.51	13.51	13.51	13.51
Band IV	23.52	23.52	23.52	23.52	23.52	13.17	13.17	13.17	13.17	13.17	13.17
Band V	24.61	24.61	24.61	24.61	24.61	14.29	14.29	14.29	14.29	14.29	14.29
Band XII	24.18	24.18	24.18	24.18	24.18	13.80	13.80	13.80	13.80	13.80	13.80
Band XVII	24.10	24.10	24.10	24.10	24.10	13.70	13.70	13.70	13.70	13.70	13.70
Band XXV	23.96	23.96	23.96	23.96	23.96	13.66	13.66	13.66	13.66	13.66	13.66
Band XXVI	24.68	24.68	24.68	24.68	24.68	14.45	14.45	14.45	14.45	14.45	14.45
Band XXXXI	26.12	26.12	26.12	26.12	26.12	17.64	17.64	17.64	17.64	17.64	17.64
Band XXXXXVI	23.80	23.80	23.80	23.80	23.80	13.39	13.39	13.39	13.39	13.39	13.39
Band XXXXXXI	22.66	22.66	22.66	22.66	22.66	13.69	13.69	13.69	13.69	13.69	13.69

GSM850

Left, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

Distance to DUT & Output power in dBm											
Distance(mm)	20	19	18	17	16	15	14	13	12	11	10
GSM850 Voice	33.44	33.44	33.44	33.44	33.44	25.45	25.45	25.45	25.45	25.45	25.45
GSM850 GPRS	33.42	33.42	33.42	33.42	33.42	25.42	25.42	25.42	25.42	25.42	25.42
GSM850 EGPRS	26.48	26.48	26.48	26.48	26.48	18.84	18.84	18.84	18.84	18.84	18.84

GSM1900

Left, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

Distance to DUT & Output power in dBm											
Distance(mm)	20	19	18	17	16	15	14	13	12	11	10
GSM1900 Voice	33.42	33.42	33.42	33.42	33.42	25.48	25.48	25.48	25.48	25.48	25.48
GSM1900 GPRS	33.43	33.43	33.43	33.43	33.43	25.45	25.45	25.45	25.45	25.45	25.45
GSM1900 EGPRS	26.49	26.49	26.49	26.49	26.49	18.83	18.83	18.83	18.83	18.83	18.83

WCDMA

Left, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

Distance to DUT & Output power in dBm											
Distance(mm)	20	19	18	17	16	15	14	13	12	11	10
Band II	24.06	24.06	24.06	24.06	24.06	14.68	14.68	14.68	14.68	14.68	14.68
Band IV	24.05	24.05	24.05	24.05	24.05	14.60	14.60	14.60	14.60	14.60	14.60
Band V	24.80	24.80	24.80	24.80	24.80	15.33	15.33	15.33	15.33	15.33	15.33

LTE

Left, DUT Moving Toward (Trigger) and Away (Release) from the Phantom

Distance to DUT & Output power in dBm											
Distance(mm)	20	19	18	17	16	15	14	13	12	11	10
Band II	23.90	23.90	23.90	23.90	23.90	13.50	13.50	13.50	13.50	13.50	13.50
Band IV	23.52	23.52	23.52	23.52	23.52	13.17	13.17	13.17	13.17	13.17	13.17
Band V	24.60	24.60	24.60	24.60	24.60	14.29	14.29	14.29	14.29	14.29	14.29
Band XII	24.18	24.18	24.18	24.18	24.18	13.80	13.80	13.80	13.80	13.80	13.80
Band XVII	24.10	24.10	24.10	24.10	24.10	13.70	13.70	13.70	13.70	13.70	13.70
Band XXV	23.96	23.96	23.96	23.96	23.96	13.60	13.60	13.60	13.60	13.60	13.60
Band XXVI	24.68	24.68	24.68	24.68	24.68	14.45	14.45	14.45	14.45	14.45	14.45
Band XXXXI	26.11	26.11	26.11	26.11	26.11	17.64	17.64	17.64	17.64	17.64	17.64
Band XXXXXVI	23.80	23.80	23.80	23.80	23.80	13.38	13.38	13.38	13.38	13.38	13.38
Band XXXXXXI	22.66	22.66	22.66	22.66	22.66	13.69	13.69	13.69	13.69	13.69	13.69

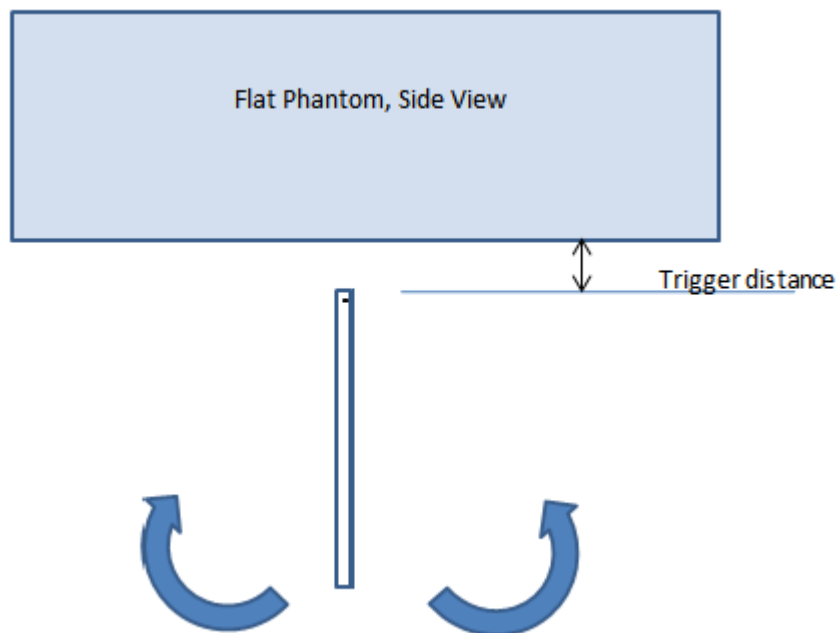
7.3 Proximity Sensor Coverage (KDB 616217 §6.3)

As there is no spatial offset between the antenna and the proximity sensor element, proximity sensor coverage did not need to be assessed.

7.4 Proximity Sensor Tilt Angle Assessment (KDB 616217 §6.4)

The DUT was positioned directly below the flat phantom at the minimum measured trigger distance with left side parallel to the base of the flat phantom for each band.

The EUT was rotated about left side for angles up to $\pm 45^\circ$. If the output power increased during the rotation the DUT was moved 1mm toward the phantom and the rotation repeated. This procedure was repeated until the power remained reduced for all angles up to $\pm 45^\circ$.



Proximity sensor tilt angle assessment (Left side) KDB 616217 §6.4

Summary of Tablet Tilt Angle Influence to Proximity Sensor Triggering for Top Edge

Band	Minimum trigger distance measured according to KDB 616217 §6.2	Minimum distance at which power reduction was maintained over +/-45°	Power reduction status											
			-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°	
GSM850	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
GSM1900	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
UMTS1900:	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
UMTS1700:	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
UMTS850:	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE band 2	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE band 4	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE band 5	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE band 12	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE band 17	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE band 25	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE BAND26	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE BAND41	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE BAND66	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
LTE BAND71	15mm	15mm	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	

8. RF Exposure

8.1 LIMITS

Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

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

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

Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram 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.

8.2 EVALUATION

☒ According to FCC KDB447498 D01 and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

- 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f_{\text{(GHz)}}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,¹⁶ where

- $f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation¹⁷
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. Portable transmitters with output power greater than the applicable low threshold require SAR testing to qualify for TCB approval.

Exclusion Thresholds = $P\sqrt{F}/D$

P= Maximum turn-up power in mW

F= Channel frequency in GHz

D= Minimum test separation distance in mm

Test Distance (5mm)

Mode	Frequency (GHz)	MAX Power (dBm)	Tune Up Power (dBm)	Max Tune Up Power (dBm)	Max Tune Up Power (mW)	Exclusion Thresholds	Limit
EDR	2.441	-1.49	-1.0±1	0	1.00	0.31	3
BLE	2.440	-3.69	-3.0±1	-2.0	0.63	0.20	3

Result: SAR measurement for Bluetooth and BLE is not required.

9. Specific Absorption Rate (SAR)

9.1 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.

9.2 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.

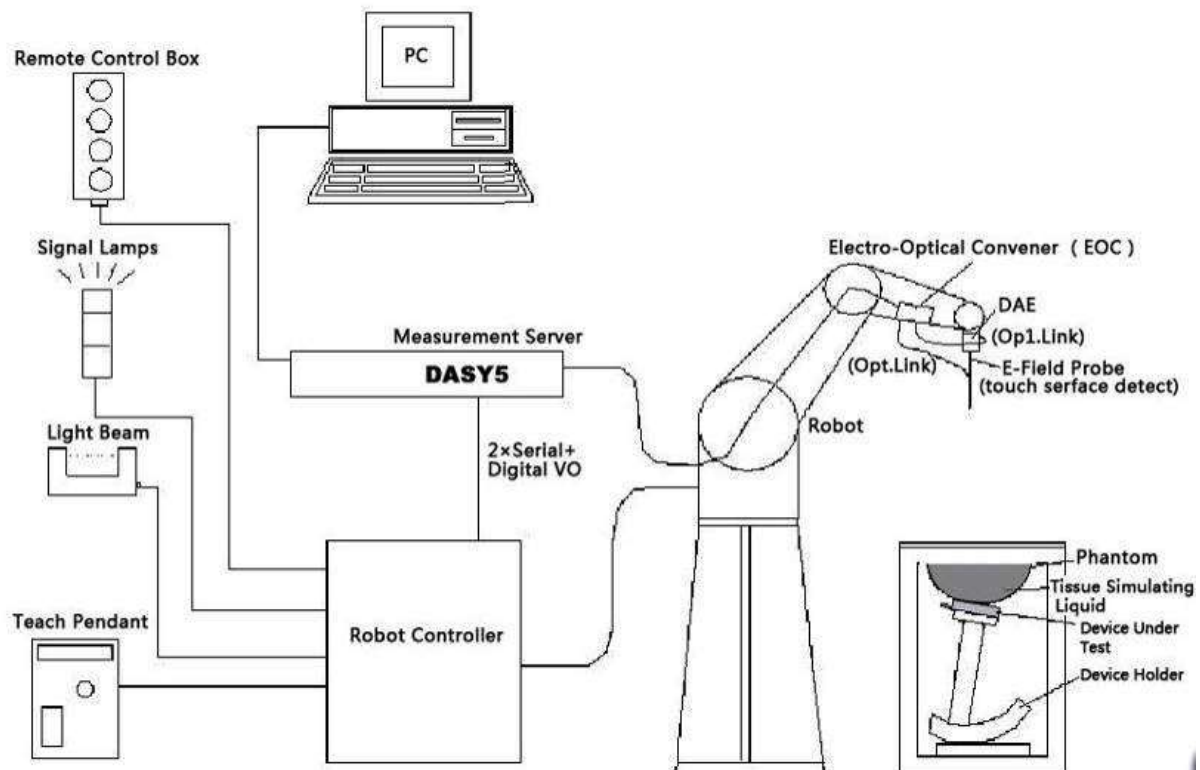
However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

10. SAR Measurements System Configuration

10.1 SAR MEASUREMENT SET-UP

The DASY5 system for performing compliance tests consists of the following items:

- A standard high precision 6-axis robot (Stäubli TX=RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win 7 profesional operating system and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.



Picture 1. SAR Lab Test Measurement Set-up

10.2 DASY5 E-FIELD PROBE SYSTEM

The SAR measurements were conducted with the dosimetric probe designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe is constructed using the thick film technique; with printed resistive lines on ceramic substrates. The probe is equipped with an optical multifiber line ending at the front of the probe tip. It is connected to the EOC box on the robot arm and provides an automatic detection of the phantom surface. Half of the fibers are connected to a pulsed infrared transmitter, the other half to a synchronized receiver. As the probe approaches the surface, the reflection from the surface produces a coupling from the transmitting to the receiving fibers. This reflection increases first during the approach, reaches maximum and then decreases. If the probe is flatly touching the surface, the coupling is zero. The distance of the coupling maximum to the surface is independent of the surface reflectivity and largely independent of the surface to probe angle. The DASY5 software reads the reflection turning a software approach and looks for the maximum using 2nd ord curve fitting. The approach is stopped at reaching the maximum.

Probe Specifications:

Model:	EX3DV4
Calibration:	ISO/IEC 17025 calibration service available
Probe Length:	337 mm
Probe Tip Length:	9 mm
Body Diameter:	10 mm
Tip Diameter:	2.5 mm
Application:	High Precision dosimetric measurements in any exposure scenario (e.g., very strong Picture 2 E-field Probe gradient fields).



10.3 E-FIELD PROBE CALIBRATION

Each E-Probe/Probe Amplifier combination has unique calibration parameters. A TEM cell calibration procedure is conducted to determine the proper amplifier settings to enter in the probe parameters. The amplifier settings are determined for a given frequency by subjecting the probe to a known E-field density (1 mW/cm²) using an RF Signal generator, TEM cell, and RF Power Meter.

The free space E-field from amplified probe outputs is determined in a test chamber. This calibration can be performed in a TEM cell if the frequency is below 1 GHz and in a waveguide or other methodologies above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is then rotated 360 degrees until the three channels show the maximum reading. The power density readings equate to 1 mW/cm².

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated brain tissue. The E-field in the medium correlates with the temperature rise in the dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C \frac{\Delta T}{\Delta t}$$

Where:

Δt = Exposure time (30 seconds),

C = Heat capacity of tissue (brain or muscle),

ΔT = Temperature increase due to RF exposure.

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

Where:

σ = Simulated tissue conductivity,

ρ = Tissue density (kg/m³).

10.4 OTHER TEST EQUIPMENT

10.4.1 Data Acquisition Electronics (DAE)

The data acquisition electronics consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



Picture 3: DAE

10.4.2 Robot

The SPEAG DASY system uses the high precision robots (DASY5: TX90XL) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability 0.02mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements (brushless synchron motors; no stepper motors)
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)



Picture 4 DASY 5

10.4.3 Measurement Server

The Measurement server is based on a PC/104 CPU board with CPU (DASY5: 400 MHz, Intel Celeron), chip disk (DASY5: 128MB), RAM (DASY5: 128MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY I/O board, which is directly connected to the PC/104 bus of the CPU board.



Picture 5 Server for DASY 5

The measurement server performs all real-time data evaluation of field measurements and surface detection, controls robot movements and handles safety operation. The PC operating system cannot interfere with these time critical processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with an expansion port which is reserved for future applications. Please note that this expansion port does not have a standardized pinout, and therefore only devices provided by SPEAG can be connected. Devices from any other supplier could seriously damage the measurement server.

10.4.4 Device Holder for Phantom

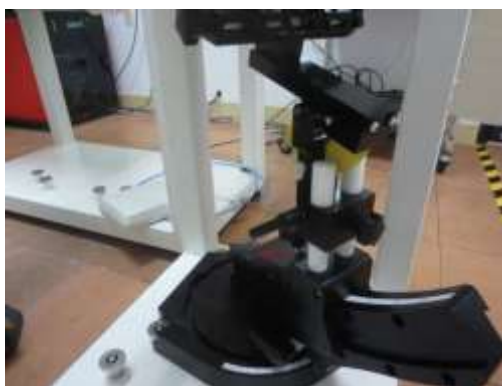
The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5mm distance, a positioning uncertainty of $\pm 0.5\text{mm}$ would produce a SAR uncertainty of $\pm 20\%$. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.

The DASY device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales are the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.

The DASY device holder is constructed of low-loss POM material having the following dielectric parameters: relative permittivity $\epsilon = 3$ and loss tangent $\delta = 0.02$. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

<Laptop Extension Kit>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the Mounting Device in place of the phone positioner. The extension is fully compatible with the Twin-SAM and ELI phantoms.

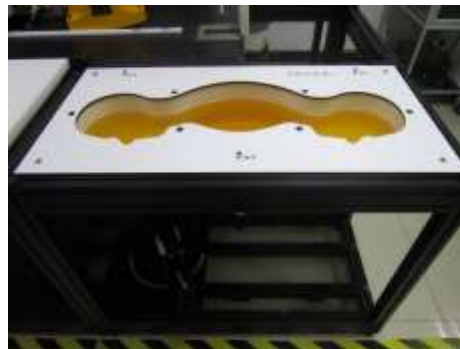


Picture 6: Device Holder

10.4.5 Phantom

The SAM Twin Phantom V4.0 is constructed of a fiberglass shell integrated in a table. The shape of the shell is based on data from an anatomical study designed to Represent the 90th percentile of the population. The phantom enables the dissymmetric evaluation of SAR for both left and right handed handset usage, as well as body-worn usage using the flat phantom region. Reference markings on the Phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points in the robot. The shell phantom has a 2mm shell thickness (except the ear region where shell thickness increases to 6 mm).

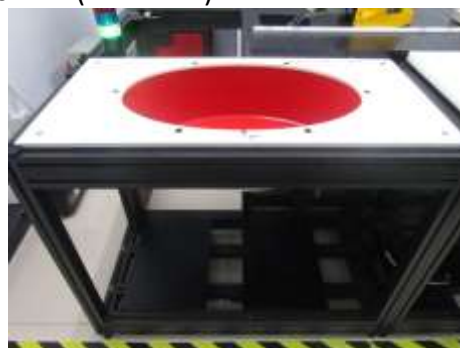
Shell Thickness: 2 ± 0.2 mm
Filling Volume: Approx. 25 liters
Dimensions: 810 x 1000 x 500 mm (H x L x W)
Available: Special



Picture 7: SAM Twin Phantom

Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.

Shell Thickness: 2 ± 0.2 mm
Filling Volume: Approx. 30 liters
Dimensions: 190×600×0 mm (H x L x W)



Picture 8.ELI Phantom

10.5 SCANNING PROCEDURE

The DASY5 installation includes predefined files with recommended procedures for measurements and validation. They are read-only document files and destined as fully defined but unmeasured masks. All test positions (head or body-worn) are tested with the same configuration of test steps differing only in the grid definition for the different test positions.

The “reference” and “drift” measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure. The indicated drift is mainly the variation of the DUT’s output power and should vary max. $\pm 5\%$.

The “surface check” measurement tests the optical surface detection system of the DASY5 system by repeatedly detecting the surface with the optical and mechanical surface detector and comparing the results. The output gives the detecting heights of both systems, the difference between the two systems and the standard deviation of the detection repeatability. Air bubbles or refraction in the liquid due to separation of the sugar-water mixture gives poor repeatability (above $\pm 0.1\text{mm}$). To prevent wrong results tests are only executed when the liquid is free of air bubbles. The difference between the optical surface detection and the actual surface depends on the probe and is specified with each probe. (It does not depend on the surface reflectivity or the probe angle to the surface within $\pm 30^\circ$.)

Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values before running a detailed measurement around the hot spot. Before starting the area scan a grid spacing is set according to FCC KDB Publication 865664. During scan the distance of the probe to the phantom remains unchanged. After finishing area scan, the field maxima within a range of 2 dB will be ascertained.

Zoom Scan

After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm.

Spatial Peak Detection

The procedure for spatial peak SAR evaluation has been implemented and can determine values of masses of 1g and 10g, as well as for user-specific masses. The DASY5 system allows evaluations that combine measured data and robot positions, such as:

- maximum search
- extrapolation
- boundary correction
- peak search for averaged SAR

During a maximum search, global and local maxima searches are automatically performed in 2-D after each Area Scan measurement with at least 6 measurement points. It is based on the evaluation of the local SAR gradient calculated by the Quadratic Shepard's method. The algorithm will find the global maximum and all local maxima within -2 dB of the global maxima for all SAR distributions.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. Several measurements at different distances are necessary for the extrapolation. Extrapolation routines require at least 10 measurement points in 3-D space.

They are used in the Zoom Scan to obtain SAR values between the lowest measurement points and the inner phantom surface. The routine uses the modified Quadratic Shepard's method for extrapolation.

A Z-axis scan measures the total SAR value at the x-and y-position of the maximum SAR value found during the cube scan. The probe is moved away in z-direction from the bottom of the SAM phantom in 5mm steps.

Table 1: Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01

Frequency	Maximum Area Scan Resolution (mm) (Δx_{area} , Δy_{area})	Maximum Zoom Scan Resolution (mm) (Δx_{zoom} , Δy_{zoom})	Maximum Zoom Scan Spatial Resolution (mm) $\Delta z_{zoom}(n)$	Minimum Zoom Scan Volume (mm) (x,y,z)
≤ 2 GHz	≤ 15	≤ 8	≤ 5	≥ 30
2-3 GHz	≤ 12	≤ 5	≤ 5	≥ 30
3-4 GHz	≤ 12	≤ 5	≤ 4	≥ 28
4-5 GHz	≤ 10	≤ 4	≤ 3	≥ 25
5-6 GHz	≤ 10	≤ 4	≤ 2	≥ 22

10.6 DATA STORAGE AND EVALUATION

10.6.1 Data Storage

The DASY5 software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension “.DAE4”. The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device set up, the parameter can be corrected afterwards and the data can be re-evaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [mW/g], [mW/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a loss less media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

10.6.2 Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:

- Sensitivity Norm_i, a_{i0}, a_{i1}, a_{i2}
- Conversion factor ConvF_i
- Diode compression point Dcp_i

Device parameters:

- Frequency f
- Crest factor cf

Media parameters:

- Conductivity
- Density

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY5 components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot c f / dcp_i$$

With V_i = compensated signal of channel i ($i = x, y, z$)

U_i = input signal of channel i ($i = x, y, z$)

cf = crest factor of exciting field (DASY parameter)

dcp_i = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

E-field probes: $E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$

H-field probes: $H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1} f + a_{i2} f^2) / f$

With V_i = compensated signal of channel i ($i = x, y, z$)

$Norm_i$ = sensor sensitivity of channel i ($i = x, y, z$)

[mV/(V/m)²] for E-field Probes

$ConvF$ = sensitivity enhancement in solution

a_{ij} = sensor sensitivity factors for H-field probes

f = carrier frequency [GHz]

E_i = electric field strength of channel i in V/m

H_i = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = (E_x^2 + E_y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$SAR = (E_{tot}^2 \cdot \sigma / (\rho \cdot 1000))$$

with SAR = local specific absorption rate in mW/g

E_{tot} = total field strength in V/m

σ = conductivity in [mho/m] or [Siemens/m]

ρ = equivalent tissue density in g/cm³

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = E_{tot}^2 / 3770 \text{ or } P_{pwe} = H_{tot}^2 \cdot 37.7$$

with P_{pwe} = equivalent power density of a plane wave in mW/cm²

E_{tot} = total electric field strength in V/m ; H_{tot} = total magnetic field strength in A/m

10.7 TISSUE-EQUIVALENT LIQUID

10.7.1 Tissue-equivalent Liquid Ingredients

The liquid is consisted of water, salt and Glycol etc. The liquid has previously been proven to be suited for worst-case. The Table 2 & 3 shows the detail solution. It's satisfying the latest tissue dielectric parameters requirements proposed by the KDB 865664 D01.

Table 2: The following recipe(s) were used for Head (H) and Body (B) Tissue-equivalent liquid(s)

Tissue Type	Bactericide	DGBE	HEC	NaCl	Sucrose	Triton X-100	Water	Diethylene Glycol Mono- hexylether
H750	0.2	-	0.2	1.4	57.0	-	41.1	-
H835	0.1	-	1.0	1.4	57.0	-	40.5	-
H900	0.1	-	1.0	1.5	56.5	-	40.9	-
H1450	-	45.5	-	0.7	-	-	53.8	-
H1640	-	45.8	-	0.5	-	-	53.7	-
H1750	-	44.5	-	0.3	-	-	55.2	-
H1800	-	44.9	-	0.2	-	-	54.9	-
H1900	-	44.9	-	0.2	-	-	54.9	-
H2000	-	50	-	-	-	-	50	-
H2300	-	44.9	-	0.1	-	-	55.0	-
H2450	-	45.0	-	0.1	-	-	54.9	-
H2600	-	45.1	-	0.1	-	-	54.8	-
H3500	-	8.0	-	0.2	-	20.0	71.8	-
H5G	-	-	-	-	-	17.2	65.52	17.3
B750	0.2	-	0.2	0.8	48.8	-	50.0	-
B835	0.2	-	0.2	0.9	48.5	-	50.2	-
B900	0.2	-	0.2	0.9	48.2	-	50.5	-
B1450	-	34.0	-	0.3	-	-	65.7	-
B1640	-	32.5	-	0.3	-	-	67.2	-
B1750	-	29.4	-	0.4	-	-	70.2	-
B1800	-	29.5	-	0.4	-	-	70.1	-
B1900	-	29.5	-	0.3	-	-	70.2	-
B2000	-	30.0	-	0.2	-	-	69.8	-
B2300	-	31.0	-	0.1	-	-	68.9	-
B2450	-	31.4	-	0.1	-	-	68.5	-
B2600	-	31.8	-	0.1	-	-	68.1	-
B3500	-	28.8	-	0.1	-	-	71.1	-
B5G	-	-	-	-	-	10.7	78.6	10.7

Table 3: Targets of Tissue Simulating Liquid

Frequency (MHz)	Relative permittivity ϵ_r	Conductivity (σ) S/m
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1750	40.1	1.37
1800	40.0	1.40
1900	40.0	1.40
2000	40.0	1.40
2300	39.5	1.67
2450	39.2	1.80
2600	39.0	1.96
5200	36.0	4.66
5300	35.9	4.76
5500	35.6	4.96
5600	35.5	5.07
5800	35.3	5.27

10.7.2 Tissue-equivalent Liquid Properties

Table 4: Dielectric Performance of Body Tissue Simulating Liquid

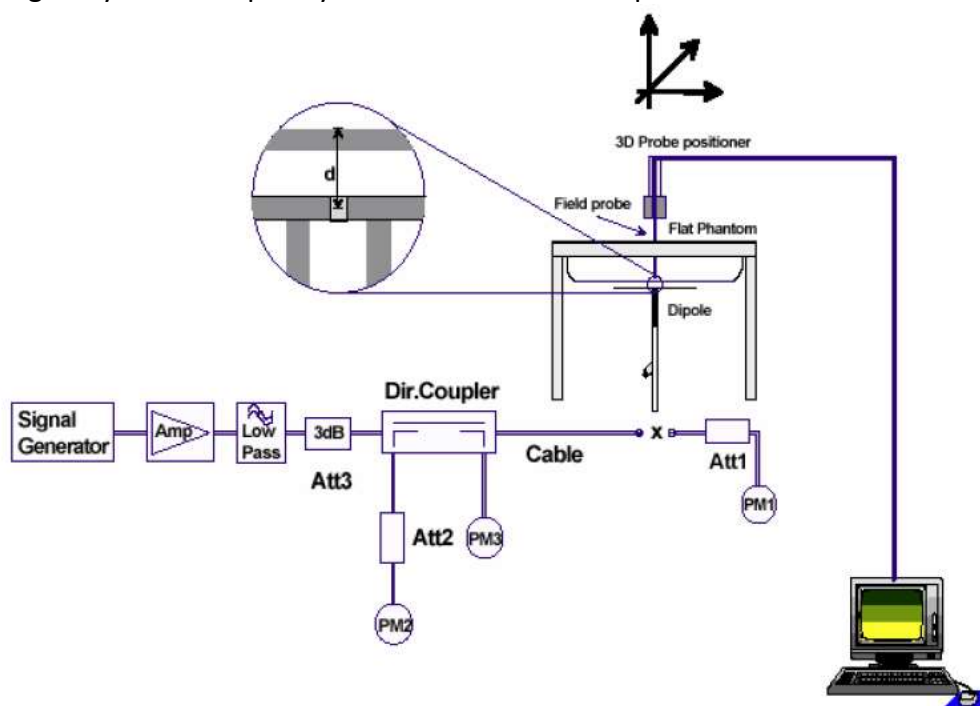
Tissue Verification								
Tissue Type	Frequency (MHz)	Conductivity (σ)	Permittivity (ϵ_r)	Targeted Conductivity (σ)	Targeted Permittivity (ϵ_r)	Deviation Conductivity (σ)	Deviation Permittivity (ϵ_r)	Date
Body	750	0.894	42.370	0.89	41.9	0.45	1.12	2023-12-10
Body	835	0.896	42.221	0.90	41.5	-0.44	1.74	2023-12-11
Body	900	0.960	41.303	0.97	41.5	-1.03	-0.47	2023-12-12
Body	1750	1.404	40.569	1.37	40.1	2.48	1.17	2023-12-13
Body	1900	1.382	40.383	1.40	40.0	-1.29	0.96	2023-12-14
Body	2450	1.882	38.250	1.80	39.2	4.56	-2.42	2023-12-15
Body	2600	2.056	37.623	1.96	39.0	4.90	-3.53	2023-12-16
Body	5200	4.564	34.807	4.66	36.0	-2.06	-3.31	2023-12-17
Body	5300	4.649	34.738	4.76	35.9	-2.33	-3.24	2023-12-18
Body	5600	4.920	34.278	5.07	35.5	-2.96	-3.44	2023-12-19
Body	5800	5.124	33.938	5.27	35.3	-2.77	-3.86	2023-12-20

Note: The dielectric properties have been measured using the contact probe method at 22±2°C.

10.8 SYSTEM CHECK

10.8.1 Description of System Check

The manufacturer calibrates the probes annually. Dielectric parameters of the tissue simulants were measured every day using the dielectric probe kit and the network analyzer. A system check measurement was made following the determination of the dielectric parameters of the simulant, using the dipole validation kit. A power level of 250 mW was supplied to the dipole antenna, which was placed under the flat section of the twin SAM phantom. The system check results (dielectric parameters and SAR values) are given in the table 5. System check results have to be equal or near the values determined during dipole calibration with the relevant liquids and test system ($\pm 10\%$). System check is performed regularly on all frequency bands where tests are performed with the DASY5 system.



Picture 10. System Check Set-up

Justification for Extended SAR Dipole Calibrations

Usage of SAR dipoles calibrated less than 3 years ago but more than 1 year ago were confirmed in maintaining return loss (< -20 dB, within 20% of prior calibration) and impedance (within 5 ohm from prior calibration) requirements per extended calibrations in KDB 865664 D01:

10.8.2 System Check Results

Table 5: System Check for Simulating Liquid

Measurement Date	Frequency (MHz)	Liquid Type (head/body)	1W Target SAR1g (W/kg)	Measured SAR1g (W/kg)	1W Normalized SAR1g (W/kg)	Limit (±10% Deviation)
2023-12-10	750	Body	8.50	2.10	8.40	-1.18
2023-12-11	835	Body	9.64	2.44	9.76	1.24
2023-12-12	900	Body	10.70	2.75	11.00	2.80
2023-12-13	1750	Body	36.80	9.54	38.16	3.70
2023-12-14	1900	Body	39.40	9.63	38.52	-2.23
2023-12-15	2450	Body	52.40	13.30	53.20	1.53
2023-12-16	2600	Body	56.20	14.60	58.40	3.91
2023-12-17	5200	Body	76.40	8.01	80.10	4.84
2023-12-18	5300	Body	77.90	7.90	79.00	1.41
2023-12-19	5600	Body	80.30	8.29	82.90	3.24
2023-12-20	5800	Body	78.20	7.76	77.60	-0.77

Note: Below 5GHz system check input power: 250mW, above 5GHz system check input power: 100mW

11. Measurement Procedures

11.1 GENERAL DESCRIPTION OF TEST PROCEDURES

A communication link is set up with a System Simulator (SS) by air link, and a call is established. Then EUT is commanded to operate at maximum transmitting power.

Connection to the EUT is established via air interface with CMU 200, and the EUT is set to maximum output power. The EUT battery must be fully charged and checked periodically during the test to as certain uniform power output. The antenna connected to the output of the base station simulator shall be placed at least 50 cm away from the EUT. The signal transmitted by the simulator to the antenna feeding point shall be lower than the output power level of the EUT by at least 30 dB.

11.2 MEASUREMENT VARIABILITY

Per FCC KDB Publication 865664 D01, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

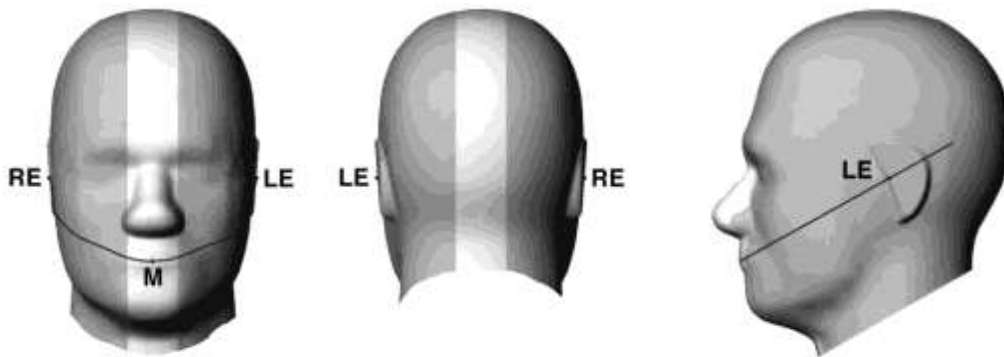
SAR Measurement Variability was assessed using the following procedures for each frequency band:

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 .

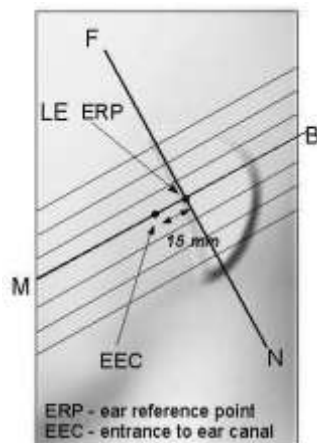
11.3 Test Positions Requirements

11.3.1 Ear and handset reference point

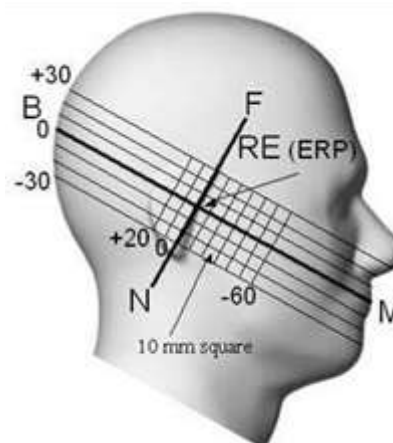
Picture11 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled “M,” the left ear reference point (ERP) is marked “LE,” and the right ERP is marked “RE.” Each ERP is 15 mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point, as shown in Picture12. The Reference Plane is defined as passing through the two ear reference points and point M. The line N-F (neck-front), also called the reference pivoting line, is normal to the Reference Plane and perpendicular to both a line passing through RE and LE and the B-M line (see Picture13). Both N-F and B-M lines should be marked on the exterior of the phantom shell to facilitate handset positioning. Posterior to the N-F line the ear shape is a flat surface with 6 mm thickness at each ERP, and forward of the N-F line the ear is truncated, as illustrated in Picture12. The ear truncation is introduced to preclude the ear lobe from interfering with handset tilt, which could lead to unstable positioning at the cheek.



Picture11 Front, back, and side views of SAM twin phantom



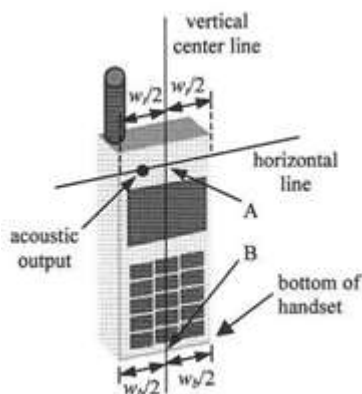
Picture12 Close-up side view of phantom showing the ear region.



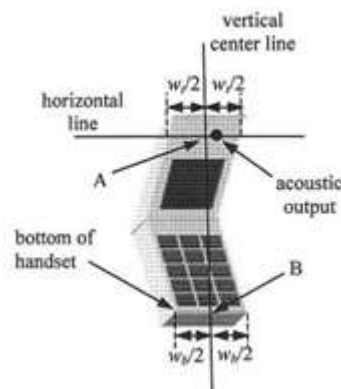
Picture13 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

11.3.2 Definition of the cheek position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. Define two imaginary lines on the handset—the vertical centerline and the horizontal line. The vertical centerline passes through two points on the Phantom Side of the handset—the midpoint of the width w_t of the handset at the level of the acoustic output (point A in Picture 14 and Picture 15), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Picture 14). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Picture 15), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
3. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Picture 16), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
4. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP.
5. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
6. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.
7. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Picture 16. The actual rotation angles should be documented in the test report.



Picture14 Handset vertical and horizontal reference lines—"fixed case"



Picture15 Handset vertical and horizontal reference lines—"clam-shell case"



Picture16 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

11.3.3 Definition of the tilt position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15° .
3. Rotate the handset around the horizontal line by 15° .
4. While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. See Picture 17. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset should be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point

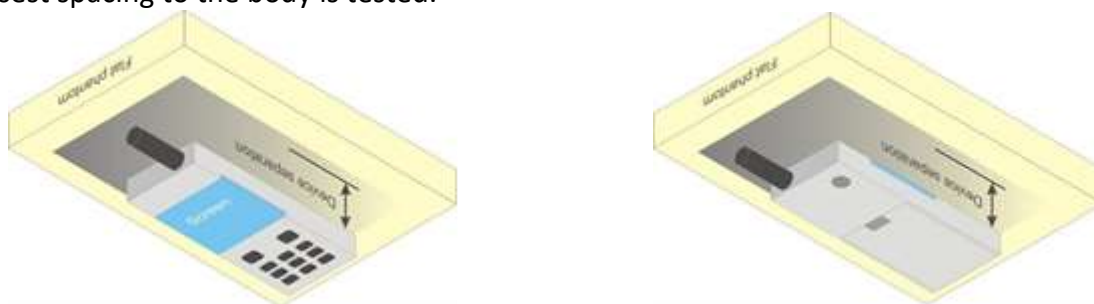


Picture17 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

11.3.4 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Picture 18). Per KDB 648474 D04v01r02, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v05r02 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is $< 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset attached to the handset.

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are test with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-chip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.



Picture18 Body Worn Position

11.3.5 Wireless Router

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06v01r01 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v05r02 publication procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

11.4 TEST CONFIGURATION

11.4.1 UMTS Test Configuration

10.4.2.1 3G SAR Test Reduction Procedure

In the following procedures, the mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is $\leq 1.2 \text{ W/kg}$, SAR measurement is not required for the secondary mode.³ This is referred to as the 3G SAR test reduction procedure in the following SAR test guidance, where the primary mode is identified in the applicable wireless mode test procedures and the secondary mode is wireless mode being considered for SAR test reduction by that procedure. When the 3G SAR test reduction procedure is not satisfied, it is identified as "otherwise" in the applicable procedures; SAR measurement is required for the secondary mode.

10.4.2.2 Output power Verification

Maximum output power is verified on the high, middle and low channels according to procedures described in section 5.2 of 3GPP TS 34.121, using the appropriate RMC or AMR with TPC (transmit power control) set to all "1's" for WCDMA/HSDPA or by applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, HSPA) are required in the SAR report. All configurations that are not supported by the handset or cannot be measured due to technical or equipment limitations must be clearly identified.

10.4.2.3 Head SAR

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

10.4.2.4 Body-Worn Accessory SAR

SAR for body-worn accessory configurations is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC as the primary mode.

Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCHn, for the highest reported body-worn accessory exposure SAR configuration in 12.2 kbps RMC. When more than 2 DPDCHn are supported by the handset, it may be necessary to configure additional DPDCHn using FTM (Factory Test Mode) or other chipset based test approaches with parameters similar to those used in 384 kbps and 768 kbps RMC.

12. TEST RESULTS

12.1 Conducted Power Results

Test Condition:

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.
The base station simulator was connected to the antenna terminal.

2 Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.

3	Environmental Conditions	Temperature	22°C
		Relative Humidity	55%
		Atmospheric Pressure	1009mbar

4 Test Date: 10 December 2023

Tested By: Draven Li

Test Procedures:

Tablet radio output power measurement

1. The transmitter output port was connected to base station emulator.
2. Establish communication link between emulator and EUT and set EUT to operate at maximum output power all the time.
3. Select lowest, middle, and highest channels for each band and different possible test mode.
4. Measure the conducted peak burst power and conducted average burst power from EUT antenna port.

Other radio output power measurement:

The output power was measured using power meter at low, mid, and hi channels.

Source-based Time Averaged Burst Power Calculation:

For TDMA, the following duty cycle factor was used to calculate the source-based time average power

Number of Time slot	1	2	3	4
Duty Cycle	1:8	1:4	1:2.66	1:2
Duty cycle factor	-9.03 dB	-6.02 dB	-4.26 dB	-3.01 dB
Crest Factor	8	4	2.66	2

Remark: *Time slot duty cycle factor = $10 * \log (\text{Time Slot Duty Cycle})$*

Source based time averaged power = Maximum burst averaged power (1 Uplink) – 9.03 dB

Source based time averaged power = Maximum burst averaged power (2 Uplink) – 6.02 dB

Source based time averaged power = Maximum burst averaged power (3 Uplink) – 4.26 dB

Source based time averaged power = Maximum burst averaged power (4 Uplink) – 3.01 dB

Burst Average Power (dBm)								
Band	GSM850				PCS1900			
Channel	128	190	251	Tune up Power tolerant	512	661	810	Tune up Power tolerant
Frequency (MHz)	824.2	836.6	848.8	/	1850.2	1880	1909.8	/
GSM	33.45	33.37	33.33	32.5±1	30.25	30.39	30.40	29.5±1
GPRS 1 slots	33.43	33.39	33.32	32.5±1	30.25	30.37	30.38	29.5±1
GPRS 2 slots	32.80	32.75	32.70	32.0±1	29.52	29.66	29.70	29.0±1
GPRS 3 slots	31.18	31.11	31.05	30.5±1	27.76	27.93	28.02	27.5±1
GPRS 4 slots	30.19	30.11	30.04	29.5±1	26.71	26.89	26.95	26.0±1
EGPRS 1 slots	26.50	26.30	26.28	25.5±1	25.43	25.86	25.97	25.0±1
EGPRS 2 slots	25.47	25.34	25.30	24.5±1	24.81	25.00	25.05	24.5±1
EGPRS 3 slots	23.53	23.37	23.32	23.0±1	22.97	23.09	23.08	22.5±1
EGPRS 4 slots	22.41	22.30	22.24	21.5±1	21.97	22.05	22.04	21.5±1
Remark: GPRS, CS1 coding scheme. EGPRS, MCS5 coding scheme. Multi 1 Slot, Support Max 4 downlink, 1 uplink, 5 working link Multi 2 Slots, Support Max 4 downlink, 2 uplink, 5 working link Multi 3 Slots, Support Max 4 downlink, 3 uplink, 5 working link Multi 4 Slots, Support Max 4 downlink, 4 uplink, 5 working link								

Reduced Burst Average Power (dBm)								
Band	GSM850				PCS1900			
Channel	128	190	251	Tune up Power tolerant	512	661	810	Tune up Power tolerant
Frequency (MHz)	824.2	836.6	848.8	/	1850.2	1880	1909.8	/
GSM	25.48	25.33	25.29	24.5±1	22.19	22.34	22.39	21.5±1
GPRS 1 slots	25.45	25.39	25.33	24.5±1	22.19	22.34	22.39	21.5±1
GPRS 2 slots	22.50	22.41	22.29	21.5±1	19.24	19.38	19.37	18.5±1
GPRS 3 slots	20.80	20.71	20.59	20.0±1	17.51	17.63	17.66	17.0±1
GPRS 4 slots	19.51	19.47	19.40	19.0±1	16.30	16.44	16.46	15.5±1
EGPRS 1 slots	18.85	18.71	18.61	18.0±1	18.02	17.98	17.92	17.5±1
EGPRS 2 slots	15.95	15.83	15.77	15.0±1	14.90	14.89	14.84	14.0±1
EGPRS 3 slots	14.13	14.06	14.05	13.5±1	12.90	12.92	12.94	12.0±1
EGPRS 4 slots	12.70	12.66	12.59	12.0±1	11.53	11.53	11.51	11.0±1
Remark: GPRS, CS1 coding scheme. EGPRS, MCS5 coding scheme. Multi 1 Slot, Support Max 4 downlink, 1 uplink, 5 working link Multi 2 Slots, Support Max 4 downlink, 2 uplink, 5 working link Multi 3 Slots, Support Max 4 downlink, 3 uplink, 5 working link Multi 4 Slots, Support Max 4 downlink, 4 uplink, 5 working link								

Source Based time Average Power (dBm)								
Band	GSM850				PCS1900			
Channel	128	190	251	Time Average factor	512	661	810	Time Average factor
Frequency	824.2	836.6	848.8	/	1850.2	1880	1909.8	/
GSM	33.45	33.37	33.33	/	30.25	30.39	30.40	/
GPRS 1 slots	24.40	24.36	24.29	-9.03	21.22	21.34	21.35	-9.03
GPRS 2 slots	26.78	26.73	26.68	-6.02	23.50	23.64	23.68	-6.02
GPRS 3 slots	26.92	26.85	26.79	-4.26	23.50	23.67	23.76	-4.26
GPRS 4 slots	27.18	27.10	27.03	-3.01	23.70	23.88	23.94	-3.01
EGPRS 1 slots	17.47	17.27	17.25	-9.03	16.40	16.83	16.94	-9.03
EGPRS 2 slots	19.45	19.32	19.28	-6.02	18.79	18.98	19.03	-6.02
EGPRS 3 slots	19.27	19.11	19.06	-4.26	18.71	18.83	18.82	-4.26
EGPRS 4 slots	19.40	19.29	19.23	-3.01	18.96	19.04	19.03	-3.01
Remark: Time average factor = 1 uplink , $10 \cdot \log(1/8) = -9.03\text{dB}$, 2 uplink , $10 \cdot \log(2/8) = -6.02\text{dB}$, 3 uplink , $10 \cdot \log(3/8) = -4.26\text{dB}$, 4 uplink , $10 \cdot \log(4/8) = -3.01\text{dB}$ Source based time average power = Burst Average power + Time Average factor								

Note:

- 1, GSM 850: DUT was set in GSM due to the Maximum source-base time average output power for Body SAR.
- 2, GSM 1900: DUT was set in GSM due to the Maximum source-base time average output power for Body SAR.

WCDMA - Average Power (dBm)												
Band	WCDMA Band II				WCDMA Band IV				WCDMA Band V			
Channel	9262	9400	9538	Tune up Power tolerant	1312	1413	1513	Tune up Power tolerant	4132	4182	4233	Tune up Power tolerant
Frequency (MHz)	1852.4	1880	1907.6	/	1712.4	1732.6	1752.6	/	826.4	836.4	846.6	/
RMC 12.2k	24.07	23.84	23.75	23.5±1	23.56	23.84	24.05	23.5±1	24.72	24.73	24.80	24.0±1
HSDPA Subtest-1	22.70	22.59	22.51	22.0±1	22.61	22.88	23.09	22.5±1	23.75	23.79	23.83	23.0±1
HSDPA Subtest-2	22.20	22.17	22.04	21.5±1	22.22	22.41	22.71	22.0±1	23.32	23.31	23.42	22.5±1
HSDPA Subtest-3	22.16	22.07	21.95	21.5±1	22.06	22.31	22.55	22.0±1	23.19	23.25	23.30	22.5±1
HSDPA Subtest-4	22.66	22.34	22.36	22.0±1	22.09	22.32	22.55	22.0±1	23.20	23.23	23.30	22.5±1
HSUPA Subtest-1	21.13	20.91	20.90	20.5±1	20.61	20.89	21.11	20.5±1	21.79	21.82	21.90	21.0±1
HSUPA Subtest-2	21.67	21.36	21.39	21.0±1	21.13	21.38	21.61	21.0±1	22.26	22.31	22.38	21.5±1
HSUPA Subtest-3	22.20	21.89	21.92	21.5±1	21.64	21.85	22.10	21.5±1	22.78	22.84	22.92	22.0±1
HSUPA Subtest-4	21.17	20.91	20.91	20.5±1	20.62	20.89	21.12	20.5±1	21.80	21.85	21.92	21.0±1
HSUPA Subtest-5	22.75	22.54	22.87	22.0±1	22.12	22.35	22.62	22.0±1	23.87	23.77	23.68	23.0±1

Reduced WCDMA - Average Power (dBm)												
Band	WCDMA Band II				WCDMA Band IV				WCDMA Band V			
Channel	9262	9400	9538	Tune up Power tolerant	1312	1413	1513	Tune up Power tolerant	4132	4182	4233	Tune up Power tolerant
Frequency (MHz)	1852.4	1880	1907.6	/	1712.4	1732.6	1752.6	/	826.4	836.4	846.6	/
RMC 12.2k	14.68	14.23	14.23	14.0±1	14.06	14.37	14.59	14.0±1	15.16	15.20	15.28	14.5±1
HSDPA Subtest-1	14.58	14.27	14.30	14.0±1	14.09	14.37	14.61	14.0±1	15.22	15.26	15.33	14.5±1
HSDPA Subtest-2	14.15	13.87	13.90	13.5±1	13.63	13.96	14.18	13.5±1	14.81	14.82	14.89	14.0±1
HSDPA Subtest-3	14.08	13.77	13.76	13.5±1	13.54	13.79	14.04	13.5±1	14.72	14.75	14.84	14.0±1
HSDPA Subtest-4	14.09	13.79	13.81	13.5±1	13.31	13.59	13.78	13.0±1	14.67	14.72	14.77	14.0±1
HSUPA Subtest-1	12.63	12.30	12.30	12.0±1	12.09	12.35	12.59	12.0±1	13.21	13.27	13.34	12.5±1
HSUPA Subtest-2	13.11	12.80	12.83	12.5±1	12.59	12.82	13.07	12.5±1	13.73	13.76	13.84	13.0±1
HSUPA Subtest-3	13.61	13.33	13.33	13.0±1	13.12	13.40	13.58	13.0±1	14.21	14.27	14.35	13.5±1
HSUPA Subtest-4	12.61	12.35	12.34	12.0±1	12.15	12.38	12.62	12.0±1	13.25	13.31	13.35	12.5±1
HSUPA Subtest-5	14.28	14.28	14.27	13.5±1	14.19	14.13	14.02	13.5±1	15.26	15.29	15.27	14.5±1

LTE Power Reduction

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 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

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signalling Value of “NS_01”.

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10, 15, 20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3 6.6.3.3.2	13	10	Table 6.2.4-2	Table 6.2.4-2
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	-	-	-	-	-

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

LTE MAX Power Measured Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	1.4MHz	QPSK	18607	1RB#0	23.02	23.0±1	/
Band2	1.4MHz	QPSK	18607	1RB#2	23.71	23.0±1	/
Band2	1.4MHz	QPSK	18607	1RB#5	23.67	23.0±1	/
Band2	1.4MHz	QPSK	18607	3RB#0	23.50	23.0±1	/
Band2	1.4MHz	QPSK	18607	3RB#1	23.49	23.0±1	/
Band2	1.4MHz	QPSK	18607	3RB#3	23.77	23.0±1	/
Band2	1.4MHz	QPSK	18607	6RB#0	22.99	23.0±1	/
Band2	1.4MHz	QPSK	18900	1RB#0	23.5	23.0±1	/
Band2	1.4MHz	QPSK	18900	1RB#2	23.61	23.0±1	/
Band2	1.4MHz	QPSK	18900	1RB#5	23.51	23.0±1	/
Band2	1.4MHz	QPSK	18900	3RB#0	23.51	23.0±1	/
Band2	1.4MHz	QPSK	18900	3RB#1	23.45	23.0±1	/
Band2	1.4MHz	QPSK	18900	3RB#3	23.52	23.0±1	/
Band2	1.4MHz	QPSK	18900	6RB#0	22.62	23.0±1	/
Band2	1.4MHz	QPSK	19193	1RB#0	23.45	23.0±1	/
Band2	1.4MHz	QPSK	19193	1RB#2	23.51	23.0±1	/
Band2	1.4MHz	QPSK	19193	1RB#5	23.46	23.0±1	/
Band2	1.4MHz	QPSK	19193	3RB#0	23.47	23.0±1	/
Band2	1.4MHz	QPSK	19193	3RB#1	23.45	23.0±1	/
Band2	1.4MHz	QPSK	19193	3RB#3	23.45	23.0±1	/
Band2	1.4MHz	QPSK	19193	6RB#0	22.57	22.0±1	1
Band2	1.4MHz	16QAM	18607	1RB#0	22.77	23.0±1	/
Band2	1.4MHz	16QAM	18607	1RB#2	22.94	23.0±1	/
Band2	1.4MHz	16QAM	18607	1RB#5	22.80	23.0±1	/
Band2	1.4MHz	16QAM	18607	3RB#0	22.54	22.0±1	1
Band2	1.4MHz	16QAM	18607	3RB#1	22.57	22.0±1	1
Band2	1.4MHz	16QAM	18607	3RB#3	22.66	23.0±1	/
Band2	1.4MHz	16QAM	18607	6RB#0	21.78	22.0±1	1
Band2	1.4MHz	16QAM	18900	1RB#0	22.37	22.0±1	1
Band2	1.4MHz	16QAM	18900	1RB#2	22.47	22.0±1	1
Band2	1.4MHz	16QAM	18900	1RB#5	22.38	22.0±1	1
Band2	1.4MHz	16QAM	18900	3RB#0	22.28	22.0±1	1
Band2	1.4MHz	16QAM	18900	3RB#1	22.32	22.0±1	1
Band2	1.4MHz	16QAM	18900	3RB#3	22.3	22.0±1	1
Band2	1.4MHz	16QAM	18900	6RB#0	21.59	22.0±1	1
Band2	1.4MHz	16QAM	19193	1RB#0	22.43	22.0±1	1
Band2	1.4MHz	16QAM	19193	1RB#2	22.68	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	1.4MHz	16QAM	19193	1RB#5	22.48	22.0±1	1
Band2	1.4MHz	16QAM	19193	3RB#0	22.30	22.0±1	1
Band2	1.4MHz	16QAM	19193	3RB#1	22.29	22.0±1	1
Band2	1.4MHz	16QAM	19193	3RB#3	22.30	22.0±1	1
Band2	1.4MHz	16QAM	19193	6RB#0	21.53	22.0±1	1
Band2	3MHz	QPSK	18615	1RB#0	23.00	23.0±1	/
Band2	3MHz	QPSK	18615	1RB#8	23.74	23.0±1	/
Band2	3MHz	QPSK	18615	1RB#14	23.7	23.0±1	/
Band2	3MHz	QPSK	18615	8RB#0	22.79	23.0±1	/
Band2	3MHz	QPSK	18615	8RB#4	22.83	23.0±1	/
Band2	3MHz	QPSK	18615	8RB#7	22.80	23.0±1	/
Band2	3MHz	QPSK	18615	15RB#0	22.73	23.0±1	/
Band2	3MHz	QPSK	18900	1RB#0	23.44	23.0±1	/
Band2	3MHz	QPSK	18900	1RB#8	23.50	23.0±1	/
Band2	3MHz	QPSK	18900	1RB#14	23.42	23.0±1	/
Band2	3MHz	QPSK	18900	8RB#0	22.48	22.0±1	1
Band2	3MHz	QPSK	18900	8RB#4	22.5	22.0±1	1
Band2	3MHz	QPSK	18900	8RB#7	22.46	22.0±1	1
Band2	3MHz	QPSK	18900	15RB#0	22.43	22.0±1	1
Band2	3MHz	QPSK	19185	1RB#0	22.91	23.0±1	/
Band2	3MHz	QPSK	19185	1RB#8	23.41	23.0±1	/
Band2	3MHz	QPSK	19185	1RB#14	23.42	23.0±1	/
Band2	3MHz	QPSK	19185	8RB#0	22.45	22.0±1	1
Band2	3MHz	QPSK	19185	8RB#4	22.47	22.0±1	1
Band2	3MHz	QPSK	19185	8RB#7	22.51	22.0±1	1
Band2	3MHz	QPSK	19185	15RB#0	22.43	22.0±1	1
Band2	3MHz	16QAM	18615	1RB#0	22.78	23.0±1	/
Band2	3MHz	16QAM	18615	1RB#8	22.81	23.0±1	/
Band2	3MHz	16QAM	18615	1RB#14	22.80	23.0±1	/
Band2	3MHz	16QAM	18615	8RB#0	21.73	22.0±1	1
Band2	3MHz	16QAM	18615	8RB#4	21.76	22.0±1	1
Band2	3MHz	16QAM	18615	8RB#7	21.80	22.0±1	1
Band2	3MHz	16QAM	18615	15RB#0	21.71	22.0±1	1
Band2	3MHz	16QAM	18900	1RB#0	22.51	22.0±1	1
Band2	3MHz	16QAM	18900	1RB#8	22.5	22.0±1	1
Band2	3MHz	16QAM	18900	1RB#14	22.52	22.0±1	1
Band2	3MHz	16QAM	18900	8RB#0	21.43	22.0±1	1
Band2	3MHz	16QAM	18900	8RB#4	21.43	22.0±1	1
Band2	3MHz	16QAM	18900	8RB#7	21.49	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	3MHz	16QAM	18900	15RB#0	21.37	22.0±1	1
Band2	3MHz	16QAM	19185	1RB#0	22.27	22.0±1	1
Band2	3MHz	16QAM	19185	1RB#8	22.34	22.0±1	1
Band2	3MHz	16QAM	19185	1RB#14	22.33	22.0±1	1
Band2	3MHz	16QAM	19185	8RB#0	21.45	22.0±1	1
Band2	3MHz	16QAM	19185	8RB#4	21.43	22.0±1	1
Band2	3MHz	16QAM	19185	8RB#7	21.47	22.0±1	1
Band2	3MHz	16QAM	19185	15RB#0	21.32	22.0±1	1
Band2	5MHz	QPSK	18625	1RB#0	23.29	23.0±1	/
Band2	5MHz	QPSK	18625	1RB#12	23.81	23.0±1	/
Band2	5MHz	QPSK	18625	1RB#24	23.68	23.0±1	/
Band2	5MHz	QPSK	18625	12RB#0	22.61	23.0±1	/
Band2	5MHz	QPSK	18625	12RB#6	22.64	23.0±1	/
Band2	5MHz	QPSK	18625	12RB#13	22.89	23.0±1	/
Band2	5MHz	QPSK	18625	25RB#0	22.78	23.0±1	/
Band2	5MHz	QPSK	18900	1RB#0	23.45	23.0±1	/
Band2	5MHz	QPSK	18900	1RB#12	23.52	23.0±1	/
Band2	5MHz	QPSK	18900	1RB#24	23.40	23.0±1	/
Band2	5MHz	QPSK	18900	12RB#0	22.40	22.0±1	1
Band2	5MHz	QPSK	18900	12RB#6	22.36	22.0±1	1
Band2	5MHz	QPSK	18900	12RB#13	22.51	22.0±1	1
Band2	5MHz	QPSK	18900	25RB#0	22.47	22.0±1	1
Band2	5MHz	QPSK	19175	1RB#0	22.74	23.0±1	/
Band2	5MHz	QPSK	19175	1RB#12	23.15	23.0±1	/
Band2	5MHz	QPSK	19175	1RB#24	23.36	23.0±1	/
Band2	5MHz	QPSK	19175	12RB#0	22.41	22.0±1	1
Band2	5MHz	QPSK	19175	12RB#6	22.39	22.0±1	1
Band2	5MHz	QPSK	19175	12RB#13	22.47	22.0±1	1
Band2	5MHz	QPSK	19175	25RB#0	22.40	22.0±1	1
Band2	5MHz	16QAM	18625	1RB#0	22.58	22.0±1	1
Band2	5MHz	16QAM	18625	1RB#12	22.78	23.0±1	/
Band2	5MHz	16QAM	18625	1RB#24	22.62	23.0±1	/
Band2	5MHz	16QAM	18625	12RB#0	21.53	22.0±1	1
Band2	5MHz	16QAM	18625	12RB#6	21.62	22.0±1	1
Band2	5MHz	16QAM	18625	12RB#13	21.85	22.0±1	1
Band2	5MHz	16QAM	18625	25RB#0	21.76	22.0±1	1
Band2	5MHz	16QAM	18900	1RB#0	22.51	22.0±1	1
Band2	5MHz	16QAM	18900	1RB#12	22.67	23.0±1	/
Band2	5MHz	16QAM	18900	1RB#24	22.56	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	5MHz	16QAM	18900	12RB#0	21.41	22.0±1	1
Band2	5MHz	16QAM	18900	12RB#6	21.42	22.0±1	1
Band2	5MHz	16QAM	18900	12RB#13	21.54	22.0±1	1
Band2	5MHz	16QAM	18900	25RB#0	21.47	22.0±1	1
Band2	5MHz	16QAM	19175	1RB#0	22.29	22.0±1	1
Band2	5MHz	16QAM	19175	1RB#12	22.49	22.0±1	1
Band2	5MHz	16QAM	19175	1RB#24	22.36	22.0±1	1
Band2	5MHz	16QAM	19175	12RB#0	21.29	22.0±1	1
Band2	5MHz	16QAM	19175	12RB#6	21.32	22.0±1	1
Band2	5MHz	16QAM	19175	12RB#13	21.44	22.0±1	1
Band2	5MHz	16QAM	19175	25RB#0	21.38	22.0±1	1
Band2	10MHz	QPSK	18650	1RB#0	23.55	23.0±1	/
Band2	10MHz	QPSK	18650	1RB#24	23.85	23.0±1	/
Band2	10MHz	QPSK	18650	1RB#49	23.58	23.0±1	/
Band2	10MHz	QPSK	18650	25RB#0	22.55	22.0±1	1
Band2	10MHz	QPSK	18650	25RB#12	22.51	22.0±1	1
Band2	10MHz	QPSK	18650	25RB#25	22.99	23.0±1	/
Band2	10MHz	QPSK	18650	50RB#0	22.78	23.0±1	/
Band2	10MHz	QPSK	18900	1RB#0	23.56	23.0±1	/
Band2	10MHz	QPSK	18900	1RB#24	23.64	23.0±1	/
Band2	10MHz	QPSK	18900	1RB#49	23.38	23.0±1	/
Band2	10MHz	QPSK	18900	25RB#0	22.42	22.0±1	1
Band2	10MHz	QPSK	18900	25RB#12	22.41	22.0±1	1
Band2	10MHz	QPSK	18900	25RB#25	22.65	23.0±1	/
Band2	10MHz	QPSK	18900	50RB#0	22.51	22.0±1	1
Band2	10MHz	QPSK	19150	1RB#0	23.39	23.0±1	/
Band2	10MHz	QPSK	19150	1RB#24	22.68	23.0±1	/
Band2	10MHz	QPSK	19150	1RB#49	23.38	23.0±1	/
Band2	10MHz	QPSK	19150	25RB#0	22.50	22.0±1	1
Band2	10MHz	QPSK	19150	25RB#12	22.53	22.0±1	1
Band2	10MHz	QPSK	19150	25RB#25	22.45	22.0±1	1
Band2	10MHz	QPSK	19150	50RB#0	22.41	22.0±1	1
Band2	10MHz	16QAM	18650	1RB#0	22.75	23.0±1	/
Band2	10MHz	16QAM	18650	1RB#24	22.92	23.0±1	/
Band2	10MHz	16QAM	18650	1RB#49	22.68	23.0±1	/
Band2	10MHz	16QAM	18650	25RB#0	21.53	22.0±1	1
Band2	10MHz	16QAM	18650	25RB#12	21.52	22.0±1	1
Band2	10MHz	16QAM	18650	25RB#25	21.95	22.0±1	1
Band2	10MHz	16QAM	18650	50RB#0	21.82	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	10MHz	16QAM	18900	1RB#0	22.47	22.0±1	1
Band2	10MHz	16QAM	18900	1RB#24	22.61	23.0±1	/
Band2	10MHz	16QAM	18900	1RB#49	22.52	22.0±1	1
Band2	10MHz	16QAM	18900	25RB#0	21.40	22.0±1	1
Band2	10MHz	16QAM	18900	25RB#12	21.44	22.0±1	1
Band2	10MHz	16QAM	18900	25RB#25	21.67	22.0±1	1
Band2	10MHz	16QAM	18900	50RB#0	21.50	22.0±1	1
Band2	10MHz	16QAM	19150	1RB#0	22.32	22.0±1	1
Band2	10MHz	16QAM	19150	1RB#24	22.43	22.0±1	1
Band2	10MHz	16QAM	19150	1RB#49	22.28	22.0±1	1
Band2	10MHz	16QAM	19150	25RB#0	21.40	22.0±1	1
Band2	10MHz	16QAM	19150	25RB#12	21.44	22.0±1	1
Band2	10MHz	16QAM	19150	25RB#25	21.44	22.0±1	1
Band2	10MHz	16QAM	19150	50RB#0	21.35	22.0±1	1
Band2	15MHz	QPSK	18675	1RB#0	23.58	23.0±1	/
Band2	15MHz	QPSK	18675	1RB#38	23.70	23.0±1	/
Band2	15MHz	QPSK	18675	1RB#74	23.40	23.0±1	/
Band2	15MHz	QPSK	18675	38RB#0	22.64	23.0±1	/
Band2	15MHz	QPSK	18675	38RB#18	22.62	23.0±1	/
Band2	15MHz	QPSK	18675	38RB#37	22.66	23.0±1	/
Band2	15MHz	QPSK	18675	75RB#0	22.68	23.0±1	/
Band2	15MHz	QPSK	18900	1RB#0	23.62	23.0±1	/
Band2	15MHz	QPSK	18900	1RB#38	23.58	23.0±1	/
Band2	15MHz	QPSK	18900	1RB#74	23.25	23.0±1	/
Band2	15MHz	QPSK	18900	38RB#0	22.63	23.0±1	/
Band2	15MHz	QPSK	18900	38RB#18	22.61	23.0±1	/
Band2	15MHz	QPSK	18900	38RB#37	22.65	23.0±1	/
Band2	15MHz	QPSK	18900	75RB#0	22.67	23.0±1	/
Band2	15MHz	QPSK	19125	1RB#0	23.36	23.0±1	/
Band2	15MHz	QPSK	19125	1RB#38	23.0	23.0±1	/
Band2	15MHz	QPSK	19125	1RB#74	23.28	23.0±1	/
Band2	15MHz	QPSK	19125	38RB#0	22.70	23.0±1	/
Band2	15MHz	QPSK	19125	38RB#18	22.75	23.0±1	/
Band2	15MHz	QPSK	19125	38RB#37	22.71	23.0±1	/
Band2	15MHz	QPSK	19125	75RB#0	22.73	23.0±1	/
Band2	15MHz	16QAM	18675	1RB#0	22.69	23.0±1	/
Band2	15MHz	16QAM	18675	1RB#38	22.84	23.0±1	/
Band2	15MHz	16QAM	18675	1RB#74	22.37	22.0±1	1
Band2	15MHz	16QAM	18675	38RB#0	22.65	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	15MHz	16QAM	18675	38RB#18	22.63	23.0±1	/
Band2	15MHz	16QAM	18675	38RB#37	22.65	23.0±1	/
Band2	15MHz	16QAM	18675	75RB#0	21.58	22.0±1	1
Band2	15MHz	16QAM	18900	1RB#0	22.54	22.0±1	1
Band2	15MHz	16QAM	18900	1RB#38	22.69	23.0±1	/
Band2	15MHz	16QAM	18900	1RB#74	22.49	22.0±1	1
Band2	15MHz	16QAM	18900	38RB#0	22.65	23.0±1	/
Band2	15MHz	16QAM	18900	38RB#18	22.63	23.0±1	/
Band2	15MHz	16QAM	18900	38RB#37	22.66	23.0±1	/
Band2	15MHz	16QAM	18900	75RB#0	21.61	22.0±1	1
Band2	15MHz	16QAM	19125	1RB#0	22.17	22.0±1	1
Band2	15MHz	16QAM	19125	1RB#38	22.40	22.0±1	1
Band2	15MHz	16QAM	19125	1RB#74	22.16	22.0±1	1
Band2	15MHz	16QAM	19125	38RB#0	22.73	23.0±1	/
Band2	15MHz	16QAM	19125	38RB#18	22.73	23.0±1	/
Band2	15MHz	16QAM	19125	38RB#37	22.73	23.0±1	/
Band2	15MHz	16QAM	19125	75RB#0	21.57	22.0±1	1
Band2	20MHz	QPSK	18700	1RB#0	23.62	23.0±1	/
Band2	20MHz	QPSK	18700	1RB#49	23.91	23.0±1	/
Band2	20MHz	QPSK	18700	1RB#99	23.37	23.0±1	/
Band2	20MHz	QPSK	18700	50RB#0	22.28	22.0±1	1
Band2	20MHz	QPSK	18700	50RB#25	22.25	22.0±1	1
Band2	20MHz	QPSK	18700	50RB#50	22.18	22.0±1	1
Band2	20MHz	QPSK	18700	100RB#0	22.31	22.0±1	1
Band2	20MHz	QPSK	18900	1RB#0	23.49	23.0±1	/
Band2	20MHz	QPSK	18900	1RB#49	23.73	23.0±1	/
Band2	20MHz	QPSK	18900	1RB#99	23.13	23.0±1	/
Band2	20MHz	QPSK	18900	50RB#0	22.41	22.0±1	1
Band2	20MHz	QPSK	18900	50RB#25	22.40	22.0±1	1
Band2	20MHz	QPSK	18900	50RB#50	22.75	23.0±1	/
Band2	20MHz	QPSK	18900	100RB#0	22.68	23.0±1	/
Band2	20MHz	QPSK	19100	1RB#0	23.15	23.0±1	/
Band2	20MHz	QPSK	19100	1RB#49	23.50	23.0±1	/
Band2	20MHz	QPSK	19100	1RB#99	23.03	23.0±1	/
Band2	20MHz	QPSK	19100	50RB#0	22.87	23.0±1	/
Band2	20MHz	QPSK	19100	50RB#25	22.81	23.0±1	/
Band2	20MHz	QPSK	19100	50RB#50	22.17	22.0±1	1
Band2	20MHz	QPSK	19100	100RB#0	22.70	23.0±1	/
Band2	20MHz	16QAM	18700	1RB#0	22.50	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	20MHz	16QAM	18700	1RB#49	22.76	23.0±1	/
Band2	20MHz	16QAM	18700	1RB#99	22.11	22.0±1	1
Band2	20MHz	16QAM	18700	50RB#0	21.27	22.0±1	1
Band2	20MHz	16QAM	18700	50RB#25	21.29	22.0±1	1
Band2	20MHz	16QAM	18700	50RB#50	21.18	22.0±1	1
Band2	20MHz	16QAM	18700	100RB#0	21.20	22.0±1	1
Band2	20MHz	16QAM	18900	1RB#0	22.30	22.0±1	1
Band2	20MHz	16QAM	18900	1RB#49	22.73	23.0±1	/
Band2	20MHz	16QAM	18900	1RB#99	22.33	22.0±1	1
Band2	20MHz	16QAM	18900	50RB#0	21.41	22.0±1	1
Band2	20MHz	16QAM	18900	50RB#25	21.38	22.0±1	1
Band2	20MHz	16QAM	18900	50RB#50	21.81	22.0±1	1
Band2	20MHz	16QAM	18900	100RB#0	21.64	22.0±1	1
Band2	20MHz	16QAM	19100	1RB#0	22.17	22.0±1	1
Band2	20MHz	16QAM	19100	1RB#49	22.46	22.0±1	1
Band2	20MHz	16QAM	19100	1RB#99	22.08	22.0±1	1
Band2	20MHz	16QAM	19100	50RB#0	21.83	22.0±1	1
Band2	20MHz	16QAM	19100	50RB#25	21.81	22.0±1	1
Band2	20MHz	16QAM	19100	50RB#50	21.14	22.0±1	1
Band2	20MHz	16QAM	19100	100RB#0	21.62	22.0±1	1
Band4	1.4MHz	QPSK	19957	1RB#0	23.06	23.0±1	/
Band4	1.4MHz	QPSK	19957	1RB#2	23.18	23.0±1	/
Band4	1.4MHz	QPSK	19957	1RB#5	23.01	23.0±1	/
Band4	1.4MHz	QPSK	19957	3RB#0	23.13	23.0±1	/
Band4	1.4MHz	QPSK	19957	3RB#1	23.14	23.0±1	/
Band4	1.4MHz	QPSK	19957	3RB#3	23.12	23.0±1	/
Band4	1.4MHz	QPSK	19957	6RB#0	22.13	22.0±1	1
Band4	1.4MHz	QPSK	20175	1RB#0	23.25	23.0±1	/
Band4	1.4MHz	QPSK	20175	1RB#2	23.41	23.0±1	/
Band4	1.4MHz	QPSK	20175	1RB#5	23.21	23.0±1	/
Band4	1.4MHz	QPSK	20175	3RB#0	23.27	23.0±1	/
Band4	1.4MHz	QPSK	20175	3RB#1	23.26	23.0±1	/
Band4	1.4MHz	QPSK	20175	3RB#3	23.30	23.0±1	/
Band4	1.4MHz	QPSK	20175	6RB#0	22.33	22.0±1	1
Band4	1.4MHz	QPSK	20393	1RB#0	23.39	23.0±1	/
Band4	1.4MHz	QPSK	20393	1RB#2	23.52	23.0±1	/
Band4	1.4MHz	QPSK	20393	1RB#5	23.39	23.0±1	/
Band4	1.4MHz	QPSK	20393	3RB#0	23.39	23.0±1	/
Band4	1.4MHz	QPSK	20393	3RB#1	23.38	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	1.4MHz	QPSK	20393	3RB#3	23.40	23.0±1	/
Band4	1.4MHz	QPSK	20393	6RB#0	22.48	22.0±1	1
Band4	1.4MHz	16QAM	19957	1RB#0	22.19	22.0±1	1
Band4	1.4MHz	16QAM	19957	1RB#2	22.41	22.0±1	1
Band4	1.4MHz	16QAM	19957	1RB#5	22.17	22.0±1	1
Band4	1.4MHz	16QAM	19957	3RB#0	22.04	22.0±1	1
Band4	1.4MHz	16QAM	19957	3RB#1	22.04	22.0±1	1
Band4	1.4MHz	16QAM	19957	3RB#3	22.00	22.0±1	1
Band4	1.4MHz	16QAM	19957	6RB#0	21.17	22.0±1	1
Band4	1.4MHz	16QAM	20175	1RB#0	22.33	22.0±1	1
Band4	1.4MHz	16QAM	20175	1RB#2	22.51	22.0±1	1
Band4	1.4MHz	16QAM	20175	1RB#5	22.35	22.0±1	1
Band4	1.4MHz	16QAM	20175	3RB#0	22.18	22.0±1	1
Band4	1.4MHz	16QAM	20175	3RB#1	22.06	22.0±1	1
Band4	1.4MHz	16QAM	20175	3RB#3	22.12	22.0±1	1
Band4	1.4MHz	16QAM	20175	6RB#0	21.17	22.0±1	1
Band4	1.4MHz	16QAM	20393	1RB#0	22.24	22.0±1	1
Band4	1.4MHz	16QAM	20393	1RB#2	22.48	22.0±1	1
Band4	1.4MHz	16QAM	20393	1RB#5	22.27	22.0±1	1
Band4	1.4MHz	16QAM	20393	3RB#0	22.22	22.0±1	1
Band4	1.4MHz	16QAM	20393	3RB#1	22.21	22.0±1	1
Band4	1.4MHz	16QAM	20393	3RB#3	22.19	22.0±1	1
Band4	1.4MHz	16QAM	20393	6RB#0	21.48	22.0±1	1
Band4	3MHz	QPSK	19965	1RB#0	23.15	23.0±1	/
Band4	3MHz	QPSK	19965	1RB#8	23.12	23.0±1	/
Band4	3MHz	QPSK	19965	1RB#14	23.09	23.0±1	/
Band4	3MHz	QPSK	19965	8RB#0	22.12	22.0±1	1
Band4	3MHz	QPSK	19965	8RB#4	22.13	22.0±1	1
Band4	3MHz	QPSK	19965	8RB#7	22.10	22.0±1	1
Band4	3MHz	QPSK	19965	15RB#0	22.10	22.0±1	1
Band4	3MHz	QPSK	20175	1RB#0	23.32	23.0±1	/
Band4	3MHz	QPSK	20175	1RB#8	23.29	23.0±1	/
Band4	3MHz	QPSK	20175	1RB#14	23.33	23.0±1	/
Band4	3MHz	QPSK	20175	8RB#0	22.27	22.0±1	1
Band4	3MHz	QPSK	20175	8RB#4	22.27	22.0±1	1
Band4	3MHz	QPSK	20175	8RB#7	22.23	22.0±1	1
Band4	3MHz	QPSK	20175	15RB#0	22.22	22.0±1	1
Band4	3MHz	QPSK	20385	1RB#0	23.34	23.0±1	/
Band4	3MHz	QPSK	20385	1RB#8	23.37	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	3MHz	QPSK	20385	1RB#14	23.38	23.0±1	/
Band4	3MHz	QPSK	20385	8RB#0	22.36	22.0±1	1
Band4	3MHz	QPSK	20385	8RB#4	22.38	22.0±1	1
Band4	3MHz	QPSK	20385	8RB#7	22.37	22.0±1	1
Band4	3MHz	QPSK	20385	15RB#0	22.34	22.0±1	1
Band4	3MHz	16QAM	19965	1RB#0	22.28	22.0±1	1
Band4	3MHz	16QAM	19965	1RB#8	22.20	22.0±1	1
Band4	3MHz	16QAM	19965	1RB#14	22.23	22.0±1	1
Band4	3MHz	16QAM	19965	8RB#0	21.13	22.0±1	1
Band4	3MHz	16QAM	19965	8RB#4	21.19	22.0±1	1
Band4	3MHz	16QAM	19965	8RB#7	21.20	22.0±1	1
Band4	3MHz	16QAM	19965	15RB#0	21.08	22.0±1	1
Band4	3MHz	16QAM	20175	1RB#0	22.20	22.0±1	1
Band4	3MHz	16QAM	20175	1RB#8	22.17	22.0±1	1
Band4	3MHz	16QAM	20175	1RB#14	22.19	22.0±1	1
Band4	3MHz	16QAM	20175	8RB#0	21.30	22.0±1	1
Band4	3MHz	16QAM	20175	8RB#4	21.31	22.0±1	1
Band4	3MHz	16QAM	20175	8RB#7	21.28	22.0±1	1
Band4	3MHz	16QAM	20175	15RB#0	21.19	22.0±1	1
Band4	3MHz	16QAM	20385	1RB#0	22.50	22.0±1	1
Band4	3MHz	16QAM	20385	1RB#8	22.51	22.0±1	1
Band4	3MHz	16QAM	20385	1RB#14	22.50	22.0±1	1
Band4	3MHz	16QAM	20385	8RB#0	21.50	22.0±1	1
Band4	3MHz	16QAM	20385	8RB#4	21.44	22.0±1	1
Band4	3MHz	16QAM	20385	8RB#7	21.42	22.0±1	1
Band4	3MHz	16QAM	20385	15RB#0	21.37	22.0±1	1
Band4	5MHz	QPSK	19975	1RB#0	23.09	23.0±1	/
Band4	5MHz	QPSK	19975	1RB#12	23.15	23.0±1	/
Band4	5MHz	QPSK	19975	1RB#24	23.06	23.0±1	/
Band4	5MHz	QPSK	19975	12RB#0	22.06	22.0±1	1
Band4	5MHz	QPSK	19975	12RB#6	22.07	22.0±1	1
Band4	5MHz	QPSK	19975	12RB#13	22.10	22.0±1	1
Band4	5MHz	QPSK	19975	25RB#0	22.08	22.0±1	1
Band4	5MHz	QPSK	20175	1RB#0	23.29	23.0±1	/
Band4	5MHz	QPSK	20175	1RB#12	23.36	23.0±1	/
Band4	5MHz	QPSK	20175	1RB#24	23.26	23.0±1	/
Band4	5MHz	QPSK	20175	12RB#0	22.25	22.0±1	1
Band4	5MHz	QPSK	20175	12RB#6	22.23	22.0±1	1
Band4	5MHz	QPSK	20175	12RB#13	22.15	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	5MHz	QPSK	20175	25RB#0	22.20	22.0±1	1
Band4	5MHz	QPSK	20375	1RB#0	23.31	23.0±1	/
Band4	5MHz	QPSK	20375	1RB#12	23.41	23.0±1	/
Band4	5MHz	QPSK	20375	1RB#24	23.32	23.0±1	/
Band4	5MHz	QPSK	20375	12RB#0	22.29	22.0±1	1
Band4	5MHz	QPSK	20375	12RB#6	22.30	22.0±1	1
Band4	5MHz	QPSK	20375	12RB#13	22.34	22.0±1	1
Band4	5MHz	QPSK	20375	25RB#0	22.33	22.0±1	1
Band4	5MHz	16QAM	19975	1RB#0	22.38	22.0±1	1
Band4	5MHz	16QAM	19975	1RB#12	22.42	22.0±1	1
Band4	5MHz	16QAM	19975	1RB#24	22.11	22.0±1	1
Band4	5MHz	16QAM	19975	12RB#0	21.15	22.0±1	1
Band4	5MHz	16QAM	19975	12RB#6	21.12	22.0±1	1
Band4	5MHz	16QAM	19975	12RB#13	21.13	22.0±1	1
Band4	5MHz	16QAM	19975	25RB#0	21.10	22.0±1	1
Band4	5MHz	16QAM	20175	1RB#0	22.21	22.0±1	1
Band4	5MHz	16QAM	20175	1RB#12	22.33	22.0±1	1
Band4	5MHz	16QAM	20175	1RB#24	22.21	22.0±1	1
Band4	5MHz	16QAM	20175	12RB#0	21.23	22.0±1	1
Band4	5MHz	16QAM	20175	12RB#6	21.25	22.0±1	1
Band4	5MHz	16QAM	20175	12RB#13	21.18	22.0±1	1
Band4	5MHz	16QAM	20175	25RB#0	21.25	22.0±1	1
Band4	5MHz	16QAM	20375	1RB#0	22.30	22.0±1	1
Band4	5MHz	16QAM	20375	1RB#12	22.45	22.0±1	1
Band4	5MHz	16QAM	20375	1RB#24	22.29	22.0±1	1
Band4	5MHz	16QAM	20375	12RB#0	21.25	22.0±1	1
Band4	5MHz	16QAM	20375	12RB#6	21.26	22.0±1	1
Band4	5MHz	16QAM	20375	12RB#13	21.36	22.0±1	1
Band4	5MHz	16QAM	20375	25RB#0	21.36	22.0±1	1
Band4	10MHz	QPSK	20000	1RB#0	22.08	22.0±1	1
Band4	10MHz	QPSK	20000	1RB#24	23.23	23.0±1	/
Band4	10MHz	QPSK	20000	1RB#49	23.05	23.0±1	/
Band4	10MHz	QPSK	20000	25RB#0	22.11	22.0±1	1
Band4	10MHz	QPSK	20000	25RB#12	22.10	22.0±1	1
Band4	10MHz	QPSK	20000	25RB#25	22.19	22.0±1	1
Band4	10MHz	QPSK	20000	50RB#0	22.08	22.0±1	1
Band4	10MHz	QPSK	20175	1RB#0	23.29	23.0±1	/
Band4	10MHz	QPSK	20175	1RB#24	23.43	23.0±1	/
Band4	10MHz	QPSK	20175	1RB#49	23.30	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	10MHz	QPSK	20175	25RB#0	22.32	22.0±1	1
Band4	10MHz	QPSK	20175	25RB#12	22.31	22.0±1	1
Band4	10MHz	QPSK	20175	25RB#25	22.17	22.0±1	1
Band4	10MHz	QPSK	20175	50RB#0	22.19	22.0±1	1
Band4	10MHz	QPSK	20350	1RB#0	23.36	23.0±1	/
Band4	10MHz	QPSK	20350	1RB#24	23.42	23.0±1	/
Band4	10MHz	QPSK	20350	1RB#49	23.34	23.0±1	/
Band4	10MHz	QPSK	20350	25RB#0	22.33	22.0±1	1
Band4	10MHz	QPSK	20350	25RB#12	22.34	22.0±1	1
Band4	10MHz	QPSK	20350	25RB#25	22.40	22.0±1	1
Band4	10MHz	QPSK	20350	50RB#0	22.30	22.0±1	1
Band4	10MHz	16QAM	20000	1RB#0	22.28	22.0±1	1
Band4	10MHz	16QAM	20000	1RB#24	22.33	22.0±1	1
Band4	10MHz	16QAM	20000	1RB#49	22.19	22.0±1	1
Band4	10MHz	16QAM	20000	25RB#0	21.19	22.0±1	1
Band4	10MHz	16QAM	20000	25RB#12	21.16	22.0±1	1
Band4	10MHz	16QAM	20000	25RB#25	21.24	22.0±1	1
Band4	10MHz	16QAM	20000	50RB#0	21.16	22.0±1	1
Band4	10MHz	16QAM	20175	1RB#0	22.15	22.0±1	1
Band4	10MHz	16QAM	20175	1RB#24	22.28	22.0±1	1
Band4	10MHz	16QAM	20175	1RB#49	22.15	22.0±1	1
Band4	10MHz	16QAM	20175	25RB#0	21.34	22.0±1	1
Band4	10MHz	16QAM	20175	25RB#12	21.34	22.0±1	1
Band4	10MHz	16QAM	20175	25RB#25	21.23	22.0±1	1
Band4	10MHz	16QAM	20175	50RB#0	21.26	22.0±1	1
Band4	10MHz	16QAM	20350	1RB#0	22.51	22.0±1	1
Band4	10MHz	16QAM	20350	1RB#24	22.57	22.0±1	1
Band4	10MHz	16QAM	20350	1RB#49	22.51	22.0±1	1
Band4	10MHz	16QAM	20350	25RB#0	21.33	22.0±1	1
Band4	10MHz	16QAM	20350	25RB#12	21.36	22.0±1	1
Band4	10MHz	16QAM	20350	25RB#25	21.42	22.0±1	1
Band4	10MHz	16QAM	20350	50RB#0	21.34	22.0±1	1
Band4	15MHz	QPSK	20025	1RB#0	22.99	23.0±1	/
Band4	15MHz	QPSK	20025	1RB#38	23.11	23.0±1	/
Band4	15MHz	QPSK	20025	1RB#74	22.94	23.0±1	/
Band4	15MHz	QPSK	20025	38RB#0	22.14	22.0±1	1
Band4	15MHz	QPSK	20025	38RB#18	22.12	22.0±1	1
Band4	15MHz	QPSK	20025	38RB#37	22.13	22.0±1	1
Band4	15MHz	QPSK	20025	75RB#0	22.12	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	15MHz	QPSK	20175	1RB#0	23.16	23.0±1	/
Band4	15MHz	QPSK	20175	1RB#38	23.30	23.0±1	/
Band4	15MHz	QPSK	20175	1RB#74	23.12	23.0±1	/
Band4	15MHz	QPSK	20175	38RB#0	22.19	22.0±1	1
Band4	15MHz	QPSK	20175	38RB#18	22.21	22.0±1	1
Band4	15MHz	QPSK	20175	38RB#37	22.20	22.0±1	1
Band4	15MHz	QPSK	20175	75RB#0	22.20	22.0±1	1
Band4	15MHz	QPSK	20325	1RB#0	23.21	23.0±1	/
Band4	15MHz	QPSK	20325	1RB#38	23.37	23.0±1	/
Band4	15MHz	QPSK	20325	1RB#74	23.19	23.0±1	/
Band4	15MHz	QPSK	20325	38RB#0	22.35	22.0±1	1
Band4	15MHz	QPSK	20325	38RB#18	22.34	22.0±1	1
Band4	15MHz	QPSK	20325	38RB#37	22.37	22.0±1	1
Band4	15MHz	QPSK	20325	75RB#0	22.37	22.0±1	1
Band4	15MHz	16QAM	20025	1RB#0	22.27	22.0±1	1
Band4	15MHz	16QAM	20025	1RB#38	22.38	22.0±1	1
Band4	15MHz	16QAM	20025	1RB#74	22.19	22.0±1	1
Band4	15MHz	16QAM	20025	38RB#0	22.11	22.0±1	1
Band4	15MHz	16QAM	20025	38RB#18	22.13	22.0±1	1
Band4	15MHz	16QAM	20025	38RB#37	22.09	22.0±1	1
Band4	15MHz	16QAM	20025	75RB#0	21.17	22.0±1	1
Band4	15MHz	16QAM	20175	1RB#0	22.05	22.0±1	1
Band4	15MHz	16QAM	20175	1RB#38	22.19	22.0±1	1
Band4	15MHz	16QAM	20175	1RB#74	22.01	22.0±1	1
Band4	15MHz	16QAM	20175	38RB#0	22.21	22.0±1	1
Band4	15MHz	16QAM	20175	38RB#18	22.18	22.0±1	1
Band4	15MHz	16QAM	20175	38RB#37	22.22	22.0±1	1
Band4	15MHz	16QAM	20175	75RB#0	21.26	22.0±1	1
Band4	15MHz	16QAM	20325	1RB#0	22.34	22.0±1	1
Band4	15MHz	16QAM	20325	1RB#38	22.48	22.0±1	1
Band4	15MHz	16QAM	20325	1RB#74	22.33	22.0±1	1
Band4	15MHz	16QAM	20325	38RB#0	22.34	22.0±1	1
Band4	15MHz	16QAM	20325	38RB#18	22.32	22.0±1	1
Band4	15MHz	16QAM	20325	38RB#37	22.34	22.0±1	1
Band4	15MHz	16QAM	20325	75RB#0	21.29	22.0±1	1
Band4	20MHz	QPSK	20050	1RB#0	22.91	23.0±1	/
Band4	20MHz	QPSK	20050	1RB#49	23.30	23.0±1	/
Band4	20MHz	QPSK	20050	1RB#99	22.97	23.0±1	/
Band4	20MHz	QPSK	20050	50RB#0	22.00	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	20MHz	QPSK	20050	50RB#25	22.02	22.0±1	1
Band4	20MHz	QPSK	20050	50RB#50	22.15	22.0±1	1
Band4	20MHz	QPSK	20050	100RB#0	22.11	22.0±1	1
Band4	20MHz	QPSK	20175	1RB#0	22.88	23.0±1	/
Band4	20MHz	QPSK	20175	1RB#49	23.28	23.0±1	/
Band4	20MHz	QPSK	20175	1RB#99	22.97	23.0±1	/
Band4	20MHz	QPSK	20175	50RB#0	22.19	22.0±1	1
Band4	20MHz	QPSK	20175	50RB#25	22.21	22.0±1	1
Band4	20MHz	QPSK	20175	50RB#50	22.11	22.0±1	1
Band4	20MHz	QPSK	20175	100RB#0	22.21	22.0±1	1
Band4	20MHz	QPSK	20300	1RB#0	23.07	23.0±1	/
Band4	20MHz	QPSK	20300	1RB#49	23.50	23.0±1	/
Band4	20MHz	QPSK	20300	1RB#99	23.18	23.0±1	/
Band4	20MHz	QPSK	20300	50RB#0	22.40	22.0±1	1
Band4	20MHz	QPSK	20300	50RB#25	22.33	22.0±1	1
Band4	20MHz	QPSK	20300	50RB#50	22.31	22.0±1	1
Band4	20MHz	QPSK	20300	100RB#0	22.37	22.0±1	1
Band4	20MHz	16QAM	20050	1RB#0	22.13	22.0±1	1
Band4	20MHz	16QAM	20050	1RB#49	22.34	22.0±1	1
Band4	20MHz	16QAM	20050	1RB#99	22.08	22.0±1	1
Band4	20MHz	16QAM	20050	50RB#0	21.03	22.0±1	1
Band4	20MHz	16QAM	20050	50RB#25	21.07	22.0±1	1
Band4	20MHz	16QAM	20050	50RB#50	21.19	22.0±1	1
Band4	20MHz	16QAM	20050	100RB#0	21.11	22.0±1	1
Band4	20MHz	16QAM	20175	1RB#0	21.95	22.0±1	1
Band4	20MHz	16QAM	20175	1RB#49	22.39	22.0±1	1
Band4	20MHz	16QAM	20175	1RB#99	21.97	22.0±1	1
Band4	20MHz	16QAM	20175	50RB#0	21.24	22.0±1	1
Band4	20MHz	16QAM	20175	50RB#25	21.28	22.0±1	1
Band4	20MHz	16QAM	20175	50RB#50	21.18	22.0±1	1
Band4	20MHz	16QAM	20175	100RB#0	21.17	22.0±1	1
Band4	20MHz	16QAM	20300	1RB#0	22.03	22.0±1	1
Band4	20MHz	16QAM	20300	1RB#49	22.50	22.0±1	1
Band4	20MHz	16QAM	20300	1RB#99	22.10	22.0±1	1
Band4	20MHz	16QAM	20300	50RB#0	21.42	22.0±1	1
Band4	20MHz	16QAM	20300	50RB#25	21.38	22.0±1	1
Band4	20MHz	16QAM	20300	50RB#50	21.33	22.0±1	1
Band4	20MHz	16QAM	20300	100RB#0	21.37	22.0±1	1
Band5	1.4MHz	QPSK	20407	1RB#0	24.39	24.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	1.4MHz	QPSK	20407	1RB#2	24.61	24.0±1	/
Band5	1.4MHz	QPSK	20407	1RB#5	24.41	24.0±1	/
Band5	1.4MHz	QPSK	20407	3RB#0	24.46	24.0±1	/
Band5	1.4MHz	QPSK	20407	3RB#1	24.49	24.0±1	/
Band5	1.4MHz	QPSK	20407	3RB#3	24.49	24.0±1	/
Band5	1.4MHz	QPSK	20407	6RB#0	23.49	23.0±1	1
Band5	1.4MHz	QPSK	20525	1RB#0	24.41	24.0±1	/
Band5	1.4MHz	QPSK	20525	1RB#2	24.52	24.0±1	/
Band5	1.4MHz	QPSK	20525	1RB#5	24.42	24.0±1	/
Band5	1.4MHz	QPSK	20525	3RB#0	24.41	24.0±1	/
Band5	1.4MHz	QPSK	20525	3RB#1	24.44	24.0±1	/
Band5	1.4MHz	QPSK	20525	3RB#3	24.50	24.0±1	/
Band5	1.4MHz	QPSK	20525	6RB#0	23.43	23.0±1	1
Band5	1.4MHz	QPSK	20643	1RB#0	24.42	24.0±1	/
Band5	1.4MHz	QPSK	20643	1RB#2	24.53	24.0±1	/
Band5	1.4MHz	QPSK	20643	1RB#5	24.36	24.0±1	/
Band5	1.4MHz	QPSK	20643	3RB#0	24.43	24.0±1	/
Band5	1.4MHz	QPSK	20643	3RB#1	24.41	24.0±1	/
Band5	1.4MHz	QPSK	20643	3RB#3	24.47	24.0±1	/
Band5	1.4MHz	QPSK	20643	6RB#0	23.46	23.0±1	1
Band5	1.4MHz	16QAM	20407	1RB#0	23.54	23.0±1	1
Band5	1.4MHz	16QAM	20407	1RB#2	23.72	24.0±1	/
Band5	1.4MHz	16QAM	20407	1RB#5	23.54	23.0±1	1
Band5	1.4MHz	16QAM	20407	3RB#0	23.36	23.0±1	1
Band5	1.4MHz	16QAM	20407	3RB#1	23.38	23.0±1	1
Band5	1.4MHz	16QAM	20407	3RB#3	23.36	23.0±1	1
Band5	1.4MHz	16QAM	20407	6RB#0	22.35	23.0±1	1
Band5	1.4MHz	16QAM	20525	1RB#0	23.30	23.0±1	1
Band5	1.4MHz	16QAM	20525	1RB#2	23.35	23.0±1	1
Band5	1.4MHz	16QAM	20525	1RB#5	23.34	23.0±1	1
Band5	1.4MHz	16QAM	20525	3RB#0	23.28	23.0±1	1
Band5	1.4MHz	16QAM	20525	3RB#1	23.28	23.0±1	1
Band5	1.4MHz	16QAM	20525	3RB#3	23.21	23.0±1	1
Band5	1.4MHz	16QAM	20525	6RB#0	22.41	23.0±1	1
Band5	1.4MHz	16QAM	20643	1RB#0	23.48	23.0±1	1
Band5	1.4MHz	16QAM	20643	1RB#2	23.76	24.0±1	/
Band5	1.4MHz	16QAM	20643	1RB#5	23.54	23.0±1	1
Band5	1.4MHz	16QAM	20643	3RB#0	23.29	23.0±1	1
Band5	1.4MHz	16QAM	20643	3RB#1	23.27	23.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	1.4MHz	16QAM	20643	3RB#3	23.33	23.0±1	1
Band5	1.4MHz	16QAM	20643	6RB#0	22.48	23.0±1	1
Band5	3MHz	QPSK	20415	1RB#0	24.48	24.0±1	/
Band5	3MHz	QPSK	20415	1RB#8	24.46	24.0±1	/
Band5	3MHz	QPSK	20415	1RB#14	24.41	24.0±1	/
Band5	3MHz	QPSK	20415	8RB#0	23.43	23.0±1	1
Band5	3MHz	QPSK	20415	8RB#4	23.46	23.0±1	1
Band5	3MHz	QPSK	20415	8RB#7	23.43	23.0±1	1
Band5	3MHz	QPSK	20415	15RB#0	23.41	23.0±1	1
Band5	3MHz	QPSK	20525	1RB#0	24.50	24.0±1	/
Band5	3MHz	QPSK	20525	1RB#8	24.50	24.0±1	/
Band5	3MHz	QPSK	20525	1RB#14	24.48	24.0±1	/
Band5	3MHz	QPSK	20525	8RB#0	23.48	23.0±1	1
Band5	3MHz	QPSK	20525	8RB#4	23.47	23.0±1	1
Band5	3MHz	QPSK	20525	8RB#7	23.45	23.0±1	1
Band5	3MHz	QPSK	20525	15RB#0	23.46	23.0±1	1
Band5	3MHz	QPSK	20635	1RB#0	24.43	24.0±1	/
Band5	3MHz	QPSK	20635	1RB#8	24.47	24.0±1	/
Band5	3MHz	QPSK	20635	1RB#14	24.45	24.0±1	/
Band5	3MHz	QPSK	20635	8RB#0	23.51	23.0±1	1
Band5	3MHz	QPSK	20635	8RB#4	23.47	23.0±1	1
Band5	3MHz	QPSK	20635	8RB#7	23.49	23.0±1	1
Band5	3MHz	QPSK	20635	15RB#0	23.44	23.0±1	1
Band5	3MHz	16QAM	20415	1RB#0	23.63	24.0±1	/
Band5	3MHz	16QAM	20415	1RB#8	23.62	24.0±1	/
Band5	3MHz	16QAM	20415	1RB#14	23.52	23.0±1	1
Band5	3MHz	16QAM	20415	8RB#0	22.47	23.0±1	1
Band5	3MHz	16QAM	20415	8RB#4	22.47	23.0±1	1
Band5	3MHz	16QAM	20415	8RB#7	22.43	23.0±1	1
Band5	3MHz	16QAM	20415	15RB#0	22.34	23.0±1	1
Band5	3MHz	16QAM	20525	1RB#0	23.40	23.0±1	1
Band5	3MHz	16QAM	20525	1RB#8	23.38	23.0±1	1
Band5	3MHz	16QAM	20525	1RB#14	23.38	23.0±1	1
Band5	3MHz	16QAM	20525	8RB#0	22.49	23.0±1	1
Band5	3MHz	16QAM	20525	8RB#4	22.48	23.0±1	1
Band5	3MHz	16QAM	20525	8RB#7	22.52	23.0±1	1
Band5	3MHz	16QAM	20525	15RB#0	22.35	23.0±1	1
Band5	3MHz	16QAM	20635	1RB#0	23.65	24.0±1	/
Band5	3MHz	16QAM	20635	1RB#8	23.65	24.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	3MHz	16QAM	20635	1RB#14	23.58	23.0±1	1
Band5	3MHz	16QAM	20635	8RB#0	22.51	23.0±1	1
Band5	3MHz	16QAM	20635	8RB#4	22.54	23.0±1	1
Band5	3MHz	16QAM	20635	8RB#7	22.48	23.0±1	1
Band5	3MHz	16QAM	20635	15RB#0	22.46	23.0±1	1
Band5	5MHz	QPSK	20425	1RB#0	24.40	24.0±1	/
Band5	5MHz	QPSK	20425	1RB#12	24.60	24.0±1	/
Band5	5MHz	QPSK	20425	1RB#24	24.42	24.0±1	/
Band5	5MHz	QPSK	20425	12RB#0	23.44	23.0±1	1
Band5	5MHz	QPSK	20425	12RB#6	23.44	23.0±1	1
Band5	5MHz	QPSK	20425	12RB#13	23.46	23.0±1	1
Band5	5MHz	QPSK	20425	25RB#0	23.45	23.0±1	1
Band5	5MHz	QPSK	20525	1RB#0	24.47	24.0±1	/
Band5	5MHz	QPSK	20525	1RB#12	24.56	24.0±1	/
Band5	5MHz	QPSK	20525	1RB#24	24.44	24.0±1	/
Band5	5MHz	QPSK	20525	12RB#0	23.46	23.0±1	1
Band5	5MHz	QPSK	20525	12RB#6	23.44	23.0±1	1
Band5	5MHz	QPSK	20525	12RB#13	23.43	23.0±1	1
Band5	5MHz	QPSK	20525	25RB#0	23.51	23.0±1	1
Band5	5MHz	QPSK	20625	1RB#0	24.39	24.0±1	/
Band5	5MHz	QPSK	20625	1RB#12	24.51	24.0±1	/
Band5	5MHz	QPSK	20625	1RB#24	24.41	24.0±1	/
Band5	5MHz	QPSK	20625	12RB#0	23.44	23.0±1	1
Band5	5MHz	QPSK	20625	12RB#6	23.44	23.0±1	1
Band5	5MHz	QPSK	20625	12RB#13	23.43	23.0±1	1
Band5	5MHz	QPSK	20625	25RB#0	23.45	23.0±1	1
Band5	5MHz	16QAM	20425	1RB#0	23.62	24.0±1	/
Band5	5MHz	16QAM	20425	1RB#12	23.73	24.0±1	/
Band5	5MHz	16QAM	20425	1RB#24	23.63	24.0±1	/
Band5	5MHz	16QAM	20425	12RB#0	22.45	23.0±1	1
Band5	5MHz	16QAM	20425	12RB#6	22.43	23.0±1	1
Band5	5MHz	16QAM	20425	12RB#13	22.48	23.0±1	1
Band5	5MHz	16QAM	20425	25RB#0	22.44	23.0±1	1
Band5	5MHz	16QAM	20525	1RB#0	23.50	23.0±1	1
Band5	5MHz	16QAM	20525	1RB#12	23.54	23.0±1	1
Band5	5MHz	16QAM	20525	1RB#24	23.42	23.0±1	1
Band5	5MHz	16QAM	20525	12RB#0	22.48	23.0±1	1
Band5	5MHz	16QAM	20525	12RB#6	22.43	23.0±1	1
Band5	5MHz	16QAM	20525	12RB#13	22.50	23.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	5MHz	16QAM	20525	25RB#0	22.52	23.0±1	1
Band5	5MHz	16QAM	20625	1RB#0	23.40	23.0±1	1
Band5	5MHz	16QAM	20625	1RB#12	23.58	23.0±1	1
Band5	5MHz	16QAM	20625	1RB#24	23.41	23.0±1	1
Band5	5MHz	16QAM	20625	12RB#0	22.41	23.0±1	1
Band5	5MHz	16QAM	20625	12RB#6	22.43	23.0±1	1
Band5	5MHz	16QAM	20625	12RB#13	22.41	23.0±1	1
Band5	5MHz	16QAM	20625	25RB#0	22.47	23.0±1	1
Band5	10MHz	QPSK	20450	1RB#0	24.40	24.0±1	/
Band5	10MHz	QPSK	20450	1RB#24	24.53	24.0±1	/
Band5	10MHz	QPSK	20450	1RB#49	24.34	24.0±1	/
Band5	10MHz	QPSK	20450	25RB#0	23.47	23.0±1	1
Band5	10MHz	QPSK	20450	25RB#12	23.51	23.0±1	1
Band5	10MHz	QPSK	20450	25RB#25	23.48	23.0±1	1
Band5	10MHz	QPSK	20450	50RB#0	23.43	23.0±1	1
Band5	10MHz	QPSK	20525	1RB#0	24.46	24.0±1	/
Band5	10MHz	QPSK	20525	1RB#24	24.61	24.0±1	/
Band5	10MHz	QPSK	20525	1RB#49	24.39	24.0±1	/
Band5	10MHz	QPSK	20525	25RB#0	23.46	23.0±1	1
Band5	10MHz	QPSK	20525	25RB#12	23.51	23.0±1	1
Band5	10MHz	QPSK	20525	25RB#25	23.56	23.0±1	1
Band5	10MHz	QPSK	20525	50RB#0	23.50	23.0±1	1
Band5	10MHz	QPSK	20600	1RB#0	24.39	24.0±1	/
Band5	10MHz	QPSK	20600	1RB#24	24.37	24.0±1	/
Band5	10MHz	QPSK	20600	1RB#49	24.36	24.0±1	/
Band5	10MHz	QPSK	20600	25RB#0	23.47	23.0±1	1
Band5	10MHz	QPSK	20600	25RB#12	23.50	23.0±1	1
Band5	10MHz	QPSK	20600	25RB#25	23.43	23.0±1	1
Band5	10MHz	QPSK	20600	50RB#0	23.45	23.0±1	1
Band5	10MHz	16QAM	20450	1RB#0	23.57	23.0±1	1
Band5	10MHz	16QAM	20450	1RB#24	23.69	24.0±1	/
Band5	10MHz	16QAM	20450	1RB#49	23.50	23.0±1	1
Band5	10MHz	16QAM	20450	25RB#0	22.45	23.0±1	1
Band5	10MHz	16QAM	20450	25RB#12	22.53	23.0±1	1
Band5	10MHz	16QAM	20450	25RB#25	22.53	23.0±1	1
Band5	10MHz	16QAM	20450	50RB#0	22.46	23.0±1	1
Band5	10MHz	16QAM	20525	1RB#0	23.35	23.0±1	1
Band5	10MHz	16QAM	20525	1RB#24	23.55	23.0±1	1
Band5	10MHz	16QAM	20525	1RB#49	23.32	23.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	10MHz	16QAM	20525	25RB#0	22.52	23.0±1	1
Band5	10MHz	16QAM	20525	25RB#12	22.54	23.0±1	1
Band5	10MHz	16QAM	20525	25RB#25	22.61	23.0±1	1
Band5	10MHz	16QAM	20525	50RB#0	22.48	23.0±1	1
Band5	10MHz	16QAM	20600	1RB#0	23.59	23.0±1	1
Band5	10MHz	16QAM	20600	1RB#24	23.66	24.0±1	/
Band5	10MHz	16QAM	20600	1RB#49	23.54	23.0±1	1
Band5	10MHz	16QAM	20600	25RB#0	22.49	23.0±1	1
Band5	10MHz	16QAM	20600	25RB#12	22.47	23.0±1	1
Band5	10MHz	16QAM	20600	25RB#25	22.43	23.0±1	1
Band5	10MHz	16QAM	20600	50RB#0	22.45	23.0±1	1
Band12	1.4MHz	QPSK	23017	1RB#0	24.07	23.5±1	/
Band12	1.4MHz	QPSK	23017	1RB#2	24.16	23.5±1	/
Band12	1.4MHz	QPSK	23017	1RB#5	24.01	23.5±1	/
Band12	1.4MHz	QPSK	23017	3RB#0	24.06	23.5±1	/
Band12	1.4MHz	QPSK	23017	3RB#1	24.05	23.5±1	/
Band12	1.4MHz	QPSK	23017	3RB#3	24.12	23.5±1	/
Band12	1.4MHz	QPSK	23017	6RB#0	23.00	22.5±1	1
Band12	1.4MHz	QPSK	23095	1RB#0	24.03	23.5±1	/
Band12	1.4MHz	QPSK	23095	1RB#2	24.18	23.5±1	/
Band12	1.4MHz	QPSK	23095	1RB#5	24.03	23.5±1	/
Band12	1.4MHz	QPSK	23095	3RB#0	24.08	23.5±1	/
Band12	1.4MHz	QPSK	23095	3RB#1	24.01	23.5±1	/
Band12	1.4MHz	QPSK	23095	3RB#3	24.06	23.5±1	/
Band12	1.4MHz	QPSK	23095	6RB#0	23.07	22.5±1	1
Band12	1.4MHz	QPSK	23173	1RB#0	23.97	23.5±1	/
Band12	1.4MHz	QPSK	23173	1RB#2	24.11	23.5±1	/
Band12	1.4MHz	QPSK	23173	1RB#5	23.92	23.5±1	/
Band12	1.4MHz	QPSK	23173	3RB#0	24.08	23.5±1	/
Band12	1.4MHz	QPSK	23173	3RB#1	24.03	23.5±1	/
Band12	1.4MHz	QPSK	23173	3RB#3	24.02	23.5±1	/
Band12	1.4MHz	QPSK	23173	6RB#0	23.04	22.5±1	1
Band12	1.4MHz	16QAM	23017	1RB#0	23.23	23.5±1	/
Band12	1.4MHz	16QAM	23017	1RB#2	23.42	23.5±1	/
Band12	1.4MHz	16QAM	23017	1RB#5	23.17	23.5±1	/
Band12	1.4MHz	16QAM	23017	3RB#0	22.98	22.5±1	1
Band12	1.4MHz	16QAM	23017	3RB#1	22.98	22.5±1	1
Band12	1.4MHz	16QAM	23017	3RB#3	23.01	22.5±1	1
Band12	1.4MHz	16QAM	23017	6RB#0	21.94	22.5±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band12	1.4MHz	16QAM	23095	1RB#0	22.97	22.5±1	1
Band12	1.4MHz	16QAM	23095	1RB#2	23.10	22.5±1	1
Band12	1.4MHz	16QAM	23095	1RB#5	22.94	22.5±1	1
Band12	1.4MHz	16QAM	23095	3RB#0	22.93	22.5±1	1
Band12	1.4MHz	16QAM	23095	3RB#1	22.93	22.5±1	1
Band12	1.4MHz	16QAM	23095	3RB#3	22.91	22.5±1	1
Band12	1.4MHz	16QAM	23095	6RB#0	22.07	22.5±1	1
Band12	1.4MHz	16QAM	23173	1RB#0	23.15	23.5±1	/
Band12	1.4MHz	16QAM	23173	1RB#2	23.43	23.5±1	/
Band12	1.4MHz	16QAM	23173	1RB#5	23.19	23.5±1	/
Band12	1.4MHz	16QAM	23173	3RB#0	23.05	22.5±1	1
Band12	1.4MHz	16QAM	23173	3RB#1	23.01	22.5±1	1
Band12	1.4MHz	16QAM	23173	3RB#3	22.96	22.5±1	1
Band12	1.4MHz	16QAM	23173	6RB#0	22.11	22.5±1	1
Band12	3MHz	QPSK	23025	1RB#0	24.08	23.5±1	/
Band12	3MHz	QPSK	23025	1RB#8	24.02	23.5±1	/
Band12	3MHz	QPSK	23025	1RB#14	24.08	23.5±1	/
Band12	3MHz	QPSK	23025	8RB#0	22.96	22.5±1	1
Band12	3MHz	QPSK	23025	8RB#4	22.97	22.5±1	1
Band12	3MHz	QPSK	23025	8RB#7	22.96	22.5±1	1
Band12	3MHz	QPSK	23025	15RB#0	22.97	22.5±1	1
Band12	3MHz	QPSK	23095	1RB#0	24.08	23.5±1	/
Band12	3MHz	QPSK	23095	1RB#8	24.00	23.5±1	/
Band12	3MHz	QPSK	23095	1RB#14	24.02	23.5±1	/
Band12	3MHz	QPSK	23095	8RB#0	23.00	22.5±1	1
Band12	3MHz	QPSK	23095	8RB#4	23.01	22.5±1	1
Band12	3MHz	QPSK	23095	8RB#7	23.02	22.5±1	1
Band12	3MHz	QPSK	23095	15RB#0	22.96	22.5±1	1
Band12	3MHz	QPSK	23165	1RB#0	23.95	23.5±1	/
Band12	3MHz	QPSK	23165	1RB#8	23.98	23.5±1	/
Band12	3MHz	QPSK	23165	1RB#14	24.04	23.5±1	/
Band12	3MHz	QPSK	23165	8RB#0	23.03	22.5±1	1
Band12	3MHz	QPSK	23165	8RB#4	23.02	22.5±1	1
Band12	3MHz	QPSK	23165	8RB#7	22.99	22.5±1	1
Band12	3MHz	QPSK	23165	15RB#0	22.99	22.5±1	1
Band12	3MHz	16QAM	23025	1RB#0	23.22	23.5±1	/
Band12	3MHz	16QAM	23025	1RB#8	23.18	23.5±1	/
Band12	3MHz	16QAM	23025	1RB#14	23.20	23.5±1	/
Band12	3MHz	16QAM	23025	8RB#0	21.97	22.5±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band12	3MHz	16QAM	23025	8RB#4	21.99	22.5±1	1
Band12	3MHz	16QAM	23025	8RB#7	22.04	22.5±1	1
Band12	3MHz	16QAM	23025	15RB#0	21.91	22.5±1	1
Band12	3MHz	16QAM	23095	1RB#0	23.00	22.5±1	1
Band12	3MHz	16QAM	23095	1RB#8	22.95	22.5±1	1
Band12	3MHz	16QAM	23095	1RB#14	22.96	22.5±1	1
Band12	3MHz	16QAM	23095	8RB#0	22.00	22.5±1	1
Band12	3MHz	16QAM	23095	8RB#4	22.01	22.5±1	1
Band12	3MHz	16QAM	23095	8RB#7	22.03	22.5±1	1
Band12	3MHz	16QAM	23095	15RB#0	21.92	22.5±1	1
Band12	3MHz	16QAM	23165	1RB#0	23.26	23.5±1	/
Band12	3MHz	16QAM	23165	1RB#8	23.25	23.5±1	/
Band12	3MHz	16QAM	23165	1RB#14	23.26	23.5±1	/
Band12	3MHz	16QAM	23165	8RB#0	22.10	22.5±1	1
Band12	3MHz	16QAM	23165	8RB#4	22.10	22.5±1	1
Band12	3MHz	16QAM	23165	8RB#7	22.07	22.5±1	1
Band12	3MHz	16QAM	23165	15RB#0	21.97	22.5±1	1
Band12	5MHz	QPSK	23035	1RB#0	24.01	23.5±1	/
Band12	5MHz	QPSK	23035	1RB#12	24.13	23.5±1	/
Band12	5MHz	QPSK	23035	1RB#24	23.99	23.5±1	/
Band12	5MHz	QPSK	23035	12RB#0	23.03	22.5±1	1
Band12	5MHz	QPSK	23035	12RB#6	23.02	22.5±1	1
Band12	5MHz	QPSK	23035	12RB#13	23.06	22.5±1	1
Band12	5MHz	QPSK	23035	25RB#0	23.05	22.5±1	1
Band12	5MHz	QPSK	23095	1RB#0	24.05	23.5±1	/
Band12	5MHz	QPSK	23095	1RB#12	24.09	23.5±1	/
Band12	5MHz	QPSK	23095	1RB#24	24.01	23.5±1	/
Band12	5MHz	QPSK	23095	12RB#0	23.00	22.5±1	1
Band12	5MHz	QPSK	23095	12RB#6	23.02	22.5±1	1
Band12	5MHz	QPSK	23095	12RB#13	23.09	22.5±1	1
Band12	5MHz	QPSK	23095	25RB#0	23.07	22.5±1	1
Band12	5MHz	QPSK	23155	1RB#0	23.96	23.5±1	/
Band12	5MHz	QPSK	23155	1RB#12	24.06	23.5±1	/
Band12	5MHz	QPSK	23155	1RB#24	24.00	23.5±1	/
Band12	5MHz	QPSK	23155	12RB#0	23.07	22.5±1	1
Band12	5MHz	QPSK	23155	12RB#6	23.09	22.5±1	1
Band12	5MHz	QPSK	23155	12RB#13	22.95	22.5±1	1
Band12	5MHz	QPSK	23155	25RB#0	23.06	22.5±1	1
Band12	5MHz	16QAM	23035	1RB#0	23.23	23.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band12	5MHz	16QAM	23035	1RB#12	23.30	23.5±1	/
Band12	5MHz	16QAM	23035	1RB#24	23.26	23.5±1	/
Band12	5MHz	16QAM	23035	12RB#0	22.01	22.5±1	1
Band12	5MHz	16QAM	23035	12RB#6	22.05	22.5±1	1
Band12	5MHz	16QAM	23035	12RB#13	22.06	22.5±1	1
Band12	5MHz	16QAM	23035	25RB#0	22.02	22.5±1	1
Band12	5MHz	16QAM	23095	1RB#0	23.01	22.5±1	1
Band12	5MHz	16QAM	23095	1RB#12	23.15	23.5±1	/
Band12	5MHz	16QAM	23095	1RB#24	23.04	22.5±1	1
Band12	5MHz	16QAM	23095	12RB#0	22.03	22.5±1	1
Band12	5MHz	16QAM	23095	12RB#6	22.03	22.5±1	1
Band12	5MHz	16QAM	23095	12RB#13	22.06	22.5±1	1
Band12	5MHz	16QAM	23095	25RB#0	22.09	22.5±1	1
Band12	5MHz	16QAM	23155	1RB#0	23.04	22.5±1	1
Band12	5MHz	16QAM	23155	1RB#12	23.14	23.5±1	/
Band12	5MHz	16QAM	23155	1RB#24	23.09	22.5±1	1
Band12	5MHz	16QAM	23155	12RB#0	22.09	22.5±1	1
Band12	5MHz	16QAM	23155	12RB#6	22.03	22.5±1	1
Band12	5MHz	16QAM	23155	12RB#13	21.93	22.5±1	1
Band12	5MHz	16QAM	23155	25RB#0	22.06	22.5±1	1
Band12	10MHz	QPSK	23060	1RB#0	24.00	23.5±1	/
Band12	10MHz	QPSK	23060	1RB#24	24.15	23.5±1	/
Band12	10MHz	QPSK	23060	1RB#49	23.98	23.5±1	/
Band12	10MHz	QPSK	23060	25RB#0	23.03	22.5±1	1
Band12	10MHz	QPSK	23060	25RB#12	23.00	22.5±1	1
Band12	10MHz	QPSK	23060	25RB#25	23.13	23.5±1	/
Band12	10MHz	QPSK	23060	50RB#0	23.03	22.5±1	1
Band12	10MHz	QPSK	23095	1RB#0	24.02	23.5±1	/
Band12	10MHz	QPSK	23095	1RB#24	24.15	23.5±1	/
Band12	10MHz	QPSK	23095	1RB#49	23.98	23.5±1	/
Band12	10MHz	QPSK	23095	25RB#0	23.04	22.5±1	1
Band12	10MHz	QPSK	23095	25RB#12	23.07	22.5±1	1
Band12	10MHz	QPSK	23095	25RB#25	23.10	22.5±1	1
Band12	10MHz	QPSK	23095	50RB#0	23.06	22.5±1	1
Band12	10MHz	QPSK	23130	1RB#0	24.00	23.5±1	/
Band12	10MHz	QPSK	23130	1RB#24	24.11	23.5±1	/
Band12	10MHz	QPSK	23130	1RB#49	24.01	23.5±1	/
Band12	10MHz	QPSK	23130	25RB#0	23.04	22.5±1	1
Band12	10MHz	QPSK	23130	25RB#12	23.05	22.5±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band12	10MHz	QPSK	23130	25RB#25	22.96	22.5±1	1
Band12	10MHz	QPSK	23130	50RB#0	22.95	22.5±1	1
Band12	10MHz	16QAM	23060	1RB#0	23.22	23.5±1	/
Band12	10MHz	16QAM	23060	1RB#24	23.31	23.5±1	/
Band12	10MHz	16QAM	23060	1RB#49	23.18	23.5±1	/
Band12	10MHz	16QAM	23060	25RB#0	22.04	22.5±1	1
Band12	10MHz	16QAM	23060	25RB#12	22.02	22.5±1	1
Band12	10MHz	16QAM	23060	25RB#25	22.14	22.5±1	1
Band12	10MHz	16QAM	23060	50RB#0	22.06	22.5±1	1
Band12	10MHz	16QAM	23095	1RB#0	22.96	22.5±1	1
Band12	10MHz	16QAM	23095	1RB#24	23.01	22.5±1	1
Band12	10MHz	16QAM	23095	1RB#49	22.92	22.5±1	1
Band12	10MHz	16QAM	23095	25RB#0	22.10	22.5±1	1
Band12	10MHz	16QAM	23095	25RB#12	22.04	22.5±1	1
Band12	10MHz	16QAM	23095	25RB#25	22.09	22.5±1	1
Band12	10MHz	16QAM	23095	50RB#0	22.06	22.5±1	1
Band12	10MHz	16QAM	23130	1RB#0	23.21	23.5±1	/
Band12	10MHz	16QAM	23130	1RB#24	23.32	23.5±1	/
Band12	10MHz	16QAM	23130	1RB#49	23.24	23.5±1	/
Band12	10MHz	16QAM	23130	25RB#0	22.08	22.5±1	1
Band12	10MHz	16QAM	23130	25RB#12	22.01	22.5±1	1
Band12	10MHz	16QAM	23130	25RB#25	21.93	22.5±1	1
Band12	10MHz	16QAM	23130	50RB#0	21.92	22.5±1	1
Band17	5MHz	QPSK	23755	1RB#0	23.90	23.5±1	/
Band17	5MHz	QPSK	23755	1RB#12	24.04	23.5±1	/
Band17	5MHz	QPSK	23755	1RB#24	23.88	23.5±1	/
Band17	5MHz	QPSK	23755	12RB#0	22.95	22.5±1	1
Band17	5MHz	QPSK	23755	12RB#6	22.95	22.5±1	1
Band17	5MHz	QPSK	23755	12RB#13	22.99	22.5±1	1
Band17	5MHz	QPSK	23755	25RB#0	22.97	22.5±1	1
Band17	5MHz	QPSK	23790	1RB#0	23.93	23.5±1	/
Band17	5MHz	QPSK	23790	1RB#12	23.95	23.5±1	/
Band17	5MHz	QPSK	23790	1RB#24	23.89	23.5±1	/
Band17	5MHz	QPSK	23790	12RB#0	22.93	22.5±1	1
Band17	5MHz	QPSK	23790	12RB#6	22.90	22.5±1	1
Band17	5MHz	QPSK	23790	12RB#13	22.99	22.5±1	1
Band17	5MHz	QPSK	23790	25RB#0	22.95	22.5±1	1
Band17	5MHz	QPSK	23825	1RB#0	23.99	23.5±1	/
Band17	5MHz	QPSK	23825	1RB#12	24.03	23.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band17	5MHz	QPSK	23825	1RB#24	24.03	23.5±1	/
Band17	5MHz	QPSK	23825	12RB#0	23.02	22.5±1	1
Band17	5MHz	QPSK	23825	12RB#6	22.96	22.5±1	1
Band17	5MHz	QPSK	23825	12RB#13	22.89	22.5±1	1
Band17	5MHz	QPSK	23825	25RB#0	22.98	22.5±1	1
Band17	5MHz	16QAM	23755	1RB#0	22.99	22.5±1	1
Band17	5MHz	16QAM	23755	1RB#12	23.06	22.5±1	1
Band17	5MHz	16QAM	23755	1RB#24	23.00	22.5±1	1
Band17	5MHz	16QAM	23755	12RB#0	21.90	22.5±1	1
Band17	5MHz	16QAM	23755	12RB#6	21.88	22.5±1	1
Band17	5MHz	16QAM	23755	12RB#13	21.94	22.5±1	1
Band17	5MHz	16QAM	23755	25RB#0	22.00	22.5±1	1
Band17	5MHz	16QAM	23790	1RB#0	23.24	23.5±1	/
Band17	5MHz	16QAM	23790	1RB#12	23.21	23.5±1	/
Band17	5MHz	16QAM	23790	1RB#24	23.14	23.5±1	/
Band17	5MHz	16QAM	23790	12RB#0	21.93	22.5±1	1
Band17	5MHz	16QAM	23790	12RB#6	21.96	22.5±1	1
Band17	5MHz	16QAM	23790	12RB#13	21.95	22.5±1	1
Band17	5MHz	16QAM	23790	25RB#0	21.89	22.5±1	1
Band17	5MHz	16QAM	23825	1RB#0	22.97	22.5±1	1
Band17	5MHz	16QAM	23825	1RB#12	23.08	22.5±1	1
Band17	5MHz	16QAM	23825	1RB#24	23.08	22.5±1	1
Band17	5MHz	16QAM	23825	12RB#0	21.99	22.5±1	1
Band17	5MHz	16QAM	23825	12RB#6	21.98	22.5±1	1
Band17	5MHz	16QAM	23825	12RB#13	21.90	22.5±1	1
Band17	5MHz	16QAM	23825	25RB#0	22.01	22.5±1	1
Band17	10MHz	QPSK	23780	1RB#0	23.98	23.5±1	/
Band17	10MHz	QPSK	23780	1RB#24	24.10	23.5±1	/
Band17	10MHz	QPSK	23780	1RB#49	23.86	23.5±1	/
Band17	10MHz	QPSK	23780	25RB#0	23.00	22.5±1	1
Band17	10MHz	QPSK	23780	25RB#12	22.97	22.5±1	1
Band17	10MHz	QPSK	23780	25RB#25	22.93	22.5±1	1
Band17	10MHz	QPSK	23780	50RB#0	22.94	22.5±1	1
Band17	10MHz	QPSK	23790	1RB#0	23.93	23.5±1	/
Band17	10MHz	QPSK	23790	1RB#24	24.05	23.5±1	/
Band17	10MHz	QPSK	23790	1RB#49	23.96	23.5±1	/
Band17	10MHz	QPSK	23790	25RB#0	22.97	22.5±1	1
Band17	10MHz	QPSK	23790	25RB#12	22.95	22.5±1	1
Band17	10MHz	QPSK	23790	25RB#25	22.90	22.5±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band17	10MHz	QPSK	23790	50RB#0	22.93	22.5±1	1
Band17	10MHz	QPSK	23800	1RB#0	23.86	23.5±1	/
Band17	10MHz	QPSK	23800	1RB#24	24.07	23.5±1	/
Band17	10MHz	QPSK	23800	1RB#49	23.94	23.5±1	/
Band17	10MHz	QPSK	23800	25RB#0	22.99	22.5±1	1
Band17	10MHz	QPSK	23800	25RB#12	23.00	22.5±1	1
Band17	10MHz	QPSK	23800	25RB#25	22.89	22.5±1	1
Band17	10MHz	QPSK	23800	50RB#0	22.89	22.5±1	1
Band17	10MHz	16QAM	23780	1RB#0	23.14	23.5±1	/
Band17	10MHz	16QAM	23780	1RB#24	23.38	23.5±1	/
Band17	10MHz	16QAM	23780	1RB#49	23.09	22.5±1	1
Band17	10MHz	16QAM	23780	25RB#0	21.97	22.5±1	1
Band17	10MHz	16QAM	23780	25RB#12	22.01	22.5±1	1
Band17	10MHz	16QAM	23780	25RB#25	21.94	22.5±1	1
Band17	10MHz	16QAM	23780	50RB#0	22.00	22.5±1	1
Band17	10MHz	16QAM	23790	1RB#0	22.85	22.5±1	1
Band17	10MHz	16QAM	23790	1RB#24	22.95	22.5±1	1
Band17	10MHz	16QAM	23790	1RB#49	22.89	22.5±1	1
Band17	10MHz	16QAM	23790	25RB#0	22.03	22.5±1	1
Band17	10MHz	16QAM	23790	25RB#12	22.00	22.5±1	1
Band17	10MHz	16QAM	23790	25RB#25	21.93	22.5±1	1
Band17	10MHz	16QAM	23790	50RB#0	21.92	22.5±1	1
Band17	10MHz	16QAM	23800	1RB#0	23.10	22.5±1	1
Band17	10MHz	16QAM	23800	1RB#24	23.24	23.5±1	/
Band17	10MHz	16QAM	23800	1RB#49	23.21	23.5±1	/
Band17	10MHz	16QAM	23800	25RB#0	21.99	22.5±1	1
Band17	10MHz	16QAM	23800	25RB#12	21.99	22.5±1	1
Band17	10MHz	16QAM	23800	25RB#25	21.85	22.5±1	1
Band17	10MHz	16QAM	23800	50RB#0	21.88	22.5±1	1
Band25	1.4MHz	QPSK	26047	1RB#0	23.17	23.0±1	/
Band25	1.4MHz	QPSK	26047	1RB#2	23.64	23.0±1	/
Band25	1.4MHz	QPSK	26047	1RB#5	23.64	23.0±1	/
Band25	1.4MHz	QPSK	26047	3RB#0	23.46	23.0±1	/
Band25	1.4MHz	QPSK	26047	3RB#1	23.45	23.0±1	/
Band25	1.4MHz	QPSK	26047	3RB#3	23.76	23.0±1	/
Band25	1.4MHz	QPSK	26047	6RB#0	22.98	23.0±1	/
Band25	1.4MHz	QPSK	26365	1RB#0	23.46	23.0±1	/
Band25	1.4MHz	QPSK	26365	1RB#2	23.65	23.0±1	/
Band25	1.4MHz	QPSK	26365	1RB#5	23.45	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	1.4MHz	QPSK	26365	3RB#0	23.47	23.0±1	/
Band25	1.4MHz	QPSK	26365	3RB#1	23.49	23.0±1	/
Band25	1.4MHz	QPSK	26365	3RB#3	23.51	23.0±1	/
Band25	1.4MHz	QPSK	26365	6RB#0	22.53	22.0±1	1
Band25	1.4MHz	QPSK	26683	1RB#0	23.43	23.0±1	/
Band25	1.4MHz	QPSK	26683	1RB#2	23.55	23.0±1	/
Band25	1.4MHz	QPSK	26683	1RB#5	23.49	23.0±1	/
Band25	1.4MHz	QPSK	26683	3RB#0	23.37	23.0±1	/
Band25	1.4MHz	QPSK	26683	3RB#1	23.38	23.0±1	/
Band25	1.4MHz	QPSK	26683	3RB#3	23.33	23.0±1	/
Band25	1.4MHz	QPSK	26683	6RB#0	22.51	22.0±1	1
Band25	1.4MHz	16QAM	26047	1RB#0	22.70	23.0±1	/
Band25	1.4MHz	16QAM	26047	1RB#2	22.88	23.0±1	/
Band25	1.4MHz	16QAM	26047	1RB#5	22.73	23.0±1	/
Band25	1.4MHz	16QAM	26047	3RB#0	22.50	22.0±1	1
Band25	1.4MHz	16QAM	26047	3RB#1	22.47	22.0±1	1
Band25	1.4MHz	16QAM	26047	3RB#3	22.52	22.0±1	1
Band25	1.4MHz	16QAM	26047	6RB#0	21.73	22.0±1	1
Band25	1.4MHz	16QAM	26365	1RB#0	22.32	22.0±1	1
Band25	1.4MHz	16QAM	26365	1RB#2	22.52	22.0±1	1
Band25	1.4MHz	16QAM	26365	1RB#5	22.35	22.0±1	1
Band25	1.4MHz	16QAM	26365	3RB#0	22.27	22.0±1	1
Band25	1.4MHz	16QAM	26365	3RB#1	22.23	22.0±1	1
Band25	1.4MHz	16QAM	26365	3RB#3	22.24	22.0±1	1
Band25	1.4MHz	16QAM	26365	6RB#0	21.53	22.0±1	1
Band25	1.4MHz	16QAM	26683	1RB#0	22.38	22.0±1	1
Band25	1.4MHz	16QAM	26683	1RB#2	22.50	22.0±1	1
Band25	1.4MHz	16QAM	26683	1RB#5	22.29	22.0±1	1
Band25	1.4MHz	16QAM	26683	3RB#0	22.18	22.0±1	1
Band25	1.4MHz	16QAM	26683	3RB#1	22.20	22.0±1	1
Band25	1.4MHz	16QAM	26683	3RB#3	22.08	22.0±1	1
Band25	1.4MHz	16QAM	26683	6RB#0	21.47	22.0±1	1
Band25	3MHz	QPSK	26055	1RB#0	23.33	23.0±1	/
Band25	3MHz	QPSK	26055	1RB#8	23.82	23.0±1	/
Band25	3MHz	QPSK	26055	1RB#14	23.77	23.0±1	/
Band25	3MHz	QPSK	26055	8RB#0	22.86	23.0±1	/
Band25	3MHz	QPSK	26055	8RB#4	22.85	23.0±1	/
Band25	3MHz	QPSK	26055	8RB#7	22.83	23.0±1	/
Band25	3MHz	QPSK	26055	15RB#0	22.79	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	3MHz	QPSK	26365	1RB#0	23.52	23.0±1	/
Band25	3MHz	QPSK	26365	1RB#8	23.47	23.0±1	/
Band25	3MHz	QPSK	26365	1RB#14	23.54	23.0±1	/
Band25	3MHz	QPSK	26365	8RB#0	22.49	22.0±1	1
Band25	3MHz	QPSK	26365	8RB#4	22.51	22.0±1	1
Band25	3MHz	QPSK	26365	8RB#7	22.52	22.0±1	1
Band25	3MHz	QPSK	26365	15RB#0	22.46	22.0±1	1
Band25	3MHz	QPSK	26675	1RB#0	23.42	23.0±1	/
Band25	3MHz	QPSK	26675	1RB#8	23.33	23.0±1	/
Band25	3MHz	QPSK	26675	1RB#14	23.45	23.0±1	/
Band25	3MHz	QPSK	26675	8RB#0	22.40	22.0±1	1
Band25	3MHz	QPSK	26675	8RB#4	22.40	22.0±1	1
Band25	3MHz	QPSK	26675	8RB#7	22.47	22.0±1	1
Band25	3MHz	QPSK	26675	15RB#0	22.39	22.0±1	1
Band25	3MHz	16QAM	26055	1RB#0	22.82	23.0±1	/
Band25	3MHz	16QAM	26055	1RB#8	22.78	23.0±1	/
Band25	3MHz	16QAM	26055	1RB#14	22.81	23.0±1	/
Band25	3MHz	16QAM	26055	8RB#0	21.77	22.0±1	1
Band25	3MHz	16QAM	26055	8RB#4	21.75	22.0±1	1
Band25	3MHz	16QAM	26055	8RB#7	21.84	22.0±1	1
Band25	3MHz	16QAM	26055	15RB#0	21.69	22.0±1	1
Band25	3MHz	16QAM	26365	1RB#0	22.39	22.0±1	1
Band25	3MHz	16QAM	26365	1RB#8	22.40	22.0±1	1
Band25	3MHz	16QAM	26365	1RB#14	22.38	22.0±1	1
Band25	3MHz	16QAM	26365	8RB#0	21.53	22.0±1	1
Band25	3MHz	16QAM	26365	8RB#4	21.51	22.0±1	1
Band25	3MHz	16QAM	26365	8RB#7	21.54	22.0±1	1
Band25	3MHz	16QAM	26365	15RB#0	21.41	22.0±1	1
Band25	3MHz	16QAM	26675	1RB#0	22.61	23.0±1	/
Band25	3MHz	16QAM	26675	1RB#8	22.48	22.0±1	1
Band25	3MHz	16QAM	26675	1RB#14	22.41	22.0±1	1
Band25	3MHz	16QAM	26675	8RB#0	21.44	22.0±1	1
Band25	3MHz	16QAM	26675	8RB#4	21.47	22.0±1	1
Band25	3MHz	16QAM	26675	8RB#7	21.41	22.0±1	1
Band25	3MHz	16QAM	26675	15RB#0	21.35	22.0±1	1
Band25	5MHz	QPSK	26065	1RB#0	23.54	23.0±1	/
Band25	5MHz	QPSK	26065	1RB#12	23.80	23.0±1	/
Band25	5MHz	QPSK	26065	1RB#24	23.66	23.0±1	/
Band25	5MHz	QPSK	26065	12RB#0	22.64	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	5MHz	QPSK	26065	12RB#6	22.65	23.0±1	/
Band25	5MHz	QPSK	26065	12RB#13	22.84	23.0±1	/
Band25	5MHz	QPSK	26065	25RB#0	22.81	23.0±1	/
Band25	5MHz	QPSK	26365	1RB#0	23.46	23.0±1	/
Band25	5MHz	QPSK	26365	1RB#12	23.58	23.0±1	/
Band25	5MHz	QPSK	26365	1RB#24	23.48	23.0±1	/
Band25	5MHz	QPSK	26365	12RB#0	22.37	22.0±1	1
Band25	5MHz	QPSK	26365	12RB#6	22.40	22.0±1	1
Band25	5MHz	QPSK	26365	12RB#13	22.52	22.0±1	1
Band25	5MHz	QPSK	26365	25RB#0	22.48	22.0±1	1
Band25	5MHz	QPSK	26665	1RB#0	23.47	23.0±1	/
Band25	5MHz	QPSK	26665	1RB#12	23.48	23.0±1	/
Band25	5MHz	QPSK	26665	1RB#24	23.36	23.0±1	/
Band25	5MHz	QPSK	26665	12RB#0	22.37	22.0±1	1
Band25	5MHz	QPSK	26665	12RB#6	22.31	22.0±1	1
Band25	5MHz	QPSK	26665	12RB#13	22.38	22.0±1	1
Band25	5MHz	QPSK	26665	25RB#0	22.34	22.0±1	1
Band25	5MHz	16QAM	26065	1RB#0	22.77	23.0±1	/
Band25	5MHz	16QAM	26065	1RB#12	22.92	23.0±1	/
Band25	5MHz	16QAM	26065	1RB#24	22.83	23.0±1	/
Band25	5MHz	16QAM	26065	12RB#0	21.65	22.0±1	1
Band25	5MHz	16QAM	26065	12RB#6	21.68	22.0±1	1
Band25	5MHz	16QAM	26065	12RB#13	21.86	22.0±1	1
Band25	5MHz	16QAM	26065	25RB#0	21.78	22.0±1	1
Band25	5MHz	16QAM	26365	1RB#0	22.40	22.0±1	1
Band25	5MHz	16QAM	26365	1RB#12	22.53	22.0±1	1
Band25	5MHz	16QAM	26365	1RB#24	22.43	22.0±1	1
Band25	5MHz	16QAM	26365	12RB#0	21.44	22.0±1	1
Band25	5MHz	16QAM	26365	12RB#6	21.42	22.0±1	1
Band25	5MHz	16QAM	26365	12RB#13	21.55	22.0±1	1
Band25	5MHz	16QAM	26365	25RB#0	21.55	22.0±1	1
Band25	5MHz	16QAM	26665	1RB#0	22.41	22.0±1	1
Band25	5MHz	16QAM	26665	1RB#12	22.45	22.0±1	1
Band25	5MHz	16QAM	26665	1RB#24	22.24	22.0±1	1
Band25	5MHz	16QAM	26665	12RB#0	21.35	22.0±1	1
Band25	5MHz	16QAM	26665	12RB#6	21.35	22.0±1	1
Band25	5MHz	16QAM	26665	12RB#13	21.38	22.0±1	1
Band25	5MHz	16QAM	26665	25RB#0	21.39	22.0±1	1
Band25	10MHz	QPSK	26090	1RB#0	23.59	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	10MHz	QPSK	26090	1RB#24	23.96	23.0±1	/
Band25	10MHz	QPSK	26090	1RB#49	23.63	23.0±1	/
Band25	10MHz	QPSK	26090	25RB#0	22.60	22.0±1	1
Band25	10MHz	QPSK	26090	25RB#12	22.61	23.0±1	/
Band25	10MHz	QPSK	26090	25RB#25	23.06	23.0±1	/
Band25	10MHz	QPSK	26090	50RB#0	22.84	23.0±1	/
Band25	10MHz	QPSK	26365	1RB#0	23.55	23.0±1	/
Band25	10MHz	QPSK	26365	1RB#24	23.54	23.0±1	/
Band25	10MHz	QPSK	26365	1RB#49	23.45	23.0±1	/
Band25	10MHz	QPSK	26365	25RB#0	22.54	22.0±1	1
Band25	10MHz	QPSK	26365	25RB#12	22.50	22.0±1	1
Band25	10MHz	QPSK	26365	25RB#25	22.75	23.0±1	/
Band25	10MHz	QPSK	26365	50RB#0	22.65	23.0±1	/
Band25	10MHz	QPSK	26640	1RB#0	22.79	23.0±1	/
Band25	10MHz	QPSK	26640	1RB#24	23.60	23.0±1	/
Band25	10MHz	QPSK	26640	1RB#49	23.41	23.0±1	/
Band25	10MHz	QPSK	26640	25RB#0	22.43	22.0±1	1
Band25	10MHz	QPSK	26640	25RB#12	22.39	22.0±1	1
Band25	10MHz	QPSK	26640	25RB#25	22.72	23.0±1	/
Band25	10MHz	QPSK	26640	50RB#0	22.45	22.0±1	1
Band25	10MHz	16QAM	26090	1RB#0	22.68	23.0±1	/
Band25	10MHz	16QAM	26090	1RB#24	22.82	23.0±1	/
Band25	10MHz	16QAM	26090	1RB#49	22.55	22.0±1	1
Band25	10MHz	16QAM	26090	25RB#0	21.61	22.0±1	1
Band25	10MHz	16QAM	26090	25RB#12	21.66	22.0±1	1
Band25	10MHz	16QAM	26090	25RB#25	22.05	22.0±1	1
Band25	10MHz	16QAM	26090	50RB#0	21.87	22.0±1	1
Band25	10MHz	16QAM	26365	1RB#0	22.60	22.0±1	1
Band25	10MHz	16QAM	26365	1RB#24	22.78	23.0±1	/
Band25	10MHz	16QAM	26365	1RB#49	22.59	22.0±1	1
Band25	10MHz	16QAM	26365	25RB#0	21.48	22.0±1	1
Band25	10MHz	16QAM	26365	25RB#12	21.47	22.0±1	1
Band25	10MHz	16QAM	26365	25RB#25	21.75	22.0±1	1
Band25	10MHz	16QAM	26365	50RB#0	21.66	22.0±1	1
Band25	10MHz	16QAM	26640	1RB#0	22.40	22.0±1	1
Band25	10MHz	16QAM	26640	1RB#24	22.64	23.0±1	/
Band25	10MHz	16QAM	26640	1RB#49	22.30	22.0±1	1
Band25	10MHz	16QAM	26640	25RB#0	21.44	22.0±1	1
Band25	10MHz	16QAM	26640	25RB#12	21.44	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	10MHz	16QAM	26640	25RB#25	21.72	22.0±1	1
Band25	10MHz	16QAM	26640	50RB#0	21.58	22.0±1	1
Band25	15MHz	QPSK	26115	1RB#0	23.88	23.0±1	/
Band25	15MHz	QPSK	26115	1RB#38	23.79	23.0±1	/
Band25	15MHz	QPSK	26115	1RB#74	23.67	23.0±1	/
Band25	15MHz	QPSK	26115	38RB#0	22.70	23.0±1	/
Band25	15MHz	QPSK	26115	38RB#18	22.67	23.0±1	/
Band25	15MHz	QPSK	26115	38RB#37	22.70	23.0±1	/
Band25	15MHz	QPSK	26115	75RB#0	22.71	23.0±1	/
Band25	15MHz	QPSK	26365	1RB#0	23.54	23.0±1	/
Band25	15MHz	QPSK	26365	1RB#38	23.60	23.0±1	/
Band25	15MHz	QPSK	26365	1RB#74	23.43	23.0±1	/
Band25	15MHz	QPSK	26365	38RB#0	22.68	23.0±1	/
Band25	15MHz	QPSK	26365	38RB#18	22.64	23.0±1	/
Band25	15MHz	QPSK	26365	38RB#37	22.65	23.0±1	/
Band25	15MHz	QPSK	26365	75RB#0	22.67	23.0±1	/
Band25	15MHz	QPSK	26615	1RB#0	23.34	23.0±1	/
Band25	15MHz	QPSK	26615	1RB#38	23.18	23.0±1	/
Band25	15MHz	QPSK	26615	1RB#74	23.18	23.0±1	/
Band25	15MHz	QPSK	26615	38RB#0	22.77	23.0±1	/
Band25	15MHz	QPSK	26615	38RB#18	22.78	23.0±1	/
Band25	15MHz	QPSK	26615	38RB#37	22.77	23.0±1	/
Band25	15MHz	QPSK	26615	75RB#0	22.79	23.0±1	/
Band25	15MHz	16QAM	26115	1RB#0	22.87	23.0±1	/
Band25	15MHz	16QAM	26115	1RB#38	23.01	23.0±1	/
Band25	15MHz	16QAM	26115	1RB#74	22.60	22.0±1	1
Band25	15MHz	16QAM	26115	38RB#0	22.68	23.0±1	/
Band25	15MHz	16QAM	26115	38RB#18	22.71	23.0±1	/
Band25	15MHz	16QAM	26115	38RB#37	22.72	23.0±1	/
Band25	15MHz	16QAM	26115	75RB#0	21.66	22.0±1	1
Band25	15MHz	16QAM	26365	1RB#0	22.35	22.0±1	1
Band25	15MHz	16QAM	26365	1RB#38	22.46	22.0±1	1
Band25	15MHz	16QAM	26365	1RB#74	22.16	22.0±1	1
Band25	15MHz	16QAM	26365	38RB#0	22.69	23.0±1	/
Band25	15MHz	16QAM	26365	38RB#18	22.69	23.0±1	/
Band25	15MHz	16QAM	26365	38RB#37	22.67	23.0±1	/
Band25	15MHz	16QAM	26365	75RB#0	21.67	22.0±1	1
Band25	15MHz	16QAM	26615	1RB#0	22.41	22.0±1	1
Band25	15MHz	16QAM	26615	1RB#38	22.56	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	15MHz	16QAM	26615	1RB#74	22.30	22.0±1	1
Band25	15MHz	16QAM	26615	38RB#0	22.79	23.0±1	/
Band25	15MHz	16QAM	26615	38RB#18	22.78	23.0±1	/
Band25	15MHz	16QAM	26615	38RB#37	22.76	23.0±1	/
Band25	15MHz	16QAM	26615	75RB#0	21.64	22.0±1	1
Band25	20MHz	QPSK	26140	1RB#0	23.67	23.0±1	/
Band25	20MHz	QPSK	26140	1RB#49	23.83	23.0±1	/
Band25	20MHz	QPSK	26140	1RB#99	23.44	23.0±1	/
Band25	20MHz	QPSK	26140	50RB#0	22.30	22.0±1	1
Band25	20MHz	QPSK	26140	50RB#25	22.34	22.0±1	1
Band25	20MHz	QPSK	26140	50RB#50	22.25	22.0±1	1
Band25	20MHz	QPSK	26140	100RB#0	22.31	22.0±1	1
Band25	20MHz	QPSK	26365	1RB#0	23.39	23.0±1	/
Band25	20MHz	QPSK	26365	1RB#49	23.64	23.0±1	/
Band25	20MHz	QPSK	26365	1RB#99	23.04	23.0±1	/
Band25	20MHz	QPSK	26365	50RB#0	22.42	22.0±1	1
Band25	20MHz	QPSK	26365	50RB#25	22.42	22.0±1	1
Band25	20MHz	QPSK	26365	50RB#50	22.78	23.0±1	/
Band25	20MHz	QPSK	26365	100RB#0	22.67	23.0±1	/
Band25	20MHz	QPSK	26590	1RB#0	23.38	23.0±1	/
Band25	20MHz	QPSK	26590	1RB#49	22.94	23.0±1	/
Band25	20MHz	QPSK	26590	1RB#99	23.17	23.0±1	/
Band25	20MHz	QPSK	26590	50RB#0	22.79	23.0±1	/
Band25	20MHz	QPSK	26590	50RB#25	22.74	23.0±1	/
Band25	20MHz	QPSK	26590	50RB#50	22.73	23.0±1	/
Band25	20MHz	QPSK	26590	100RB#0	22.77	23.0±1	/
Band25	20MHz	16QAM	26140	1RB#0	22.67	23.0±1	/
Band25	20MHz	16QAM	26140	1RB#49	22.90	23.0±1	/
Band25	20MHz	16QAM	26140	1RB#99	22.24	22.0±1	1
Band25	20MHz	16QAM	26140	50RB#0	21.35	22.0±1	1
Band25	20MHz	16QAM	26140	50RB#25	21.37	22.0±1	1
Band25	20MHz	16QAM	26140	50RB#50	21.23	22.0±1	1
Band25	20MHz	16QAM	26140	100RB#0	21.31	22.0±1	1
Band25	20MHz	16QAM	26365	1RB#0	22.19	22.0±1	1
Band25	20MHz	16QAM	26365	1RB#49	22.55	22.0±1	1
Band25	20MHz	16QAM	26365	1RB#99	22.14	22.0±1	1
Band25	20MHz	16QAM	26365	50RB#0	21.45	22.0±1	1
Band25	20MHz	16QAM	26365	50RB#25	21.48	22.0±1	1
Band25	20MHz	16QAM	26365	50RB#50	21.84	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	20MHz	16QAM	26365	100RB#0	21.67	22.0±1	1
Band25	20MHz	16QAM	26590	1RB#0	22.21	22.0±1	1
Band25	20MHz	16QAM	26590	1RB#49	22.62	23.0±1	/
Band25	20MHz	16QAM	26590	1RB#99	22.09	22.0±1	1
Band25	20MHz	16QAM	26590	50RB#0	21.69	22.0±1	1
Band25	20MHz	16QAM	26590	50RB#25	21.70	22.0±1	1
Band25	20MHz	16QAM	26590	50RB#50	21.72	22.0±1	1
Band25	20MHz	16QAM	26590	100RB#0	21.72	22.0±1	1
Band26	1.4MHz	QPSK	26697	1RB#0	24.64	24.0±1	/
Band26	1.4MHz	QPSK	26697	1RB#2	24.63	24.0±1	/
Band26	1.4MHz	QPSK	26697	1RB#5	24.58	24.0±1	/
Band26	1.4MHz	QPSK	26697	3RB#0	24.63	24.0±1	/
Band26	1.4MHz	QPSK	26697	3RB#1	24.62	24.0±1	/
Band26	1.4MHz	QPSK	26697	3RB#3	24.67	24.0±1	/
Band26	1.4MHz	QPSK	26697	6RB#0	23.58	23.0±1	1
Band26	1.4MHz	QPSK	26740	1RB#0	24.52	24.0±1	/
Band26	1.4MHz	QPSK	26740	1RB#2	24.66	24.0±1	/
Band26	1.4MHz	QPSK	26740	1RB#5	24.49	24.0±1	/
Band26	1.4MHz	QPSK	26740	3RB#0	24.58	24.0±1	/
Band26	1.4MHz	QPSK	26740	3RB#1	24.59	24.0±1	/
Band26	1.4MHz	QPSK	26740	3RB#3	24.63	24.0±1	/
Band26	1.4MHz	QPSK	26740	6RB#0	23.54	23.0±1	1
Band26	1.4MHz	QPSK	26783	1RB#0	24.55	24.0±1	/
Band26	1.4MHz	QPSK	26783	1RB#2	24.63	24.0±1	/
Band26	1.4MHz	QPSK	26783	1RB#5	24.57	24.0±1	/
Band26	1.4MHz	QPSK	26783	3RB#0	24.68	24.0±1	/
Band26	1.4MHz	QPSK	26783	3RB#1	24.63	24.0±1	/
Band26	1.4MHz	QPSK	26783	3RB#3	24.64	24.0±1	/
Band26	1.4MHz	QPSK	26783	6RB#0	23.59	23.0±1	1
Band26	1.4MHz	QPSK	26797	1RB#0	24.62	24.0±1	/
Band26	1.4MHz	QPSK	26797	1RB#2	24.66	24.0±1	/
Band26	1.4MHz	QPSK	26797	1RB#5	24.56	24.0±1	/
Band26	1.4MHz	QPSK	26797	3RB#0	24.62	24.0±1	/
Band26	1.4MHz	QPSK	26797	3RB#1	24.63	24.0±1	/
Band26	1.4MHz	QPSK	26797	3RB#3	24.68	24.0±1	/
Band26	1.4MHz	QPSK	26797	6RB#0	23.63	24.0±1	/
Band26	1.4MHz	QPSK	26915	1RB#0	24.57	24.0±1	/
Band26	1.4MHz	QPSK	26915	1RB#2	24.68	24.0±1	/
Band26	1.4MHz	QPSK	26915	1RB#5	24.53	24.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	1.4MHz	QPSK	26915	3RB#0	24.61	24.0±1	/
Band26	1.4MHz	QPSK	26915	3RB#1	24.60	24.0±1	/
Band26	1.4MHz	QPSK	26915	3RB#3	24.65	24.0±1	/
Band26	1.4MHz	QPSK	26915	6RB#0	23.59	23.0±1	1
Band26	1.4MHz	QPSK	27033	1RB#0	24.56	24.0±1	/
Band26	1.4MHz	QPSK	27033	1RB#2	24.60	24.0±1	/
Band26	1.4MHz	QPSK	27033	1RB#5	24.52	24.0±1	/
Band26	1.4MHz	QPSK	27033	3RB#0	24.62	24.0±1	/
Band26	1.4MHz	QPSK	27033	3RB#1	24.59	24.0±1	/
Band26	1.4MHz	QPSK	27033	3RB#3	24.60	24.0±1	/
Band26	1.4MHz	QPSK	27033	6RB#0	23.58	23.0±1	1
Band26	1.4MHz	16QAM	26697	1RB#0	23.75	24.0±1	/
Band26	1.4MHz	16QAM	26697	1RB#2	23.90	24.0±1	/
Band26	1.4MHz	16QAM	26697	1RB#5	23.70	24.0±1	/
Band26	1.4MHz	16QAM	26697	3RB#0	23.49	23.0±1	1
Band26	1.4MHz	16QAM	26697	3RB#1	23.59	23.0±1	1
Band26	1.4MHz	16QAM	26697	3RB#3	23.52	23.0±1	1
Band26	1.4MHz	16QAM	26697	6RB#0	22.48	23.0±1	1
Band26	1.4MHz	16QAM	26740	1RB#0	23.42	23.0±1	1
Band26	1.4MHz	16QAM	26740	1RB#2	23.59	23.0±1	1
Band26	1.4MHz	16QAM	26740	1RB#5	23.44	23.0±1	1
Band26	1.4MHz	16QAM	26740	3RB#0	23.42	23.0±1	1
Band26	1.4MHz	16QAM	26740	3RB#1	23.40	23.0±1	1
Band26	1.4MHz	16QAM	26740	3RB#3	23.36	23.0±1	1
Band26	1.4MHz	16QAM	26740	6RB#0	22.58	23.0±1	1
Band26	1.4MHz	16QAM	26783	1RB#0	23.65	24.0±1	/
Band26	1.4MHz	16QAM	26783	1RB#2	23.78	24.0±1	/
Band26	1.4MHz	16QAM	26783	1RB#5	23.72	24.0±1	/
Band26	1.4MHz	16QAM	26783	3RB#0	23.55	23.0±1	1
Band26	1.4MHz	16QAM	26783	3RB#1	23.55	23.0±1	1
Band26	1.4MHz	16QAM	26783	3RB#3	23.51	23.0±1	1
Band26	1.4MHz	16QAM	26783	6RB#0	22.61	23.0±1	1
Band26	1.4MHz	16QAM	26797	1RB#0	23.68	24.0±1	/
Band26	1.4MHz	16QAM	26797	1RB#2	23.90	24.0±1	/
Band26	1.4MHz	16QAM	26797	1RB#5	23.69	24.0±1	/
Band26	1.4MHz	16QAM	26797	3RB#0	23.54	23.0±1	1
Band26	1.4MHz	16QAM	26797	3RB#1	23.54	23.0±1	1
Band26	1.4MHz	16QAM	26797	3RB#3	23.56	23.0±1	1
Band26	1.4MHz	16QAM	26797	6RB#0	22.52	23.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	1.4MHz	16QAM	26915	1RB#0	23.45	23.0±1	1
Band26	1.4MHz	16QAM	26915	1RB#2	23.62	24.0±1	/
Band26	1.4MHz	16QAM	26915	1RB#5	23.48	23.0±1	1
Band26	1.4MHz	16QAM	26915	3RB#0	23.43	23.0±1	1
Band26	1.4MHz	16QAM	26915	3RB#1	23.39	23.0±1	1
Band26	1.4MHz	16QAM	26915	3RB#3	23.45	23.0±1	1
Band26	1.4MHz	16QAM	26915	6RB#0	22.62	23.0±1	1
Band26	1.4MHz	16QAM	27033	1RB#0	23.67	24.0±1	/
Band26	1.4MHz	16QAM	27033	1RB#2	23.82	24.0±1	/
Band26	1.4MHz	16QAM	27033	1RB#5	23.65	24.0±1	/
Band26	1.4MHz	16QAM	27033	3RB#0	23.49	23.0±1	1
Band26	1.4MHz	16QAM	27033	3RB#1	23.50	23.0±1	1
Band26	1.4MHz	16QAM	27033	3RB#3	23.45	23.0±1	1
Band26	1.4MHz	16QAM	27033	6RB#0	22.61	23.0±1	1
Band26	3MHz	QPSK	26705	1RB#0	24.60	24.0±1	/
Band26	3MHz	QPSK	26705	1RB#8	24.61	24.0±1	/
Band26	3MHz	QPSK	26705	1RB#14	24.59	24.0±1	/
Band26	3MHz	QPSK	26705	8RB#0	23.54	23.0±1	1
Band26	3MHz	QPSK	26705	8RB#4	23.51	23.0±1	1
Band26	3MHz	QPSK	26705	8RB#7	23.58	23.0±1	1
Band26	3MHz	QPSK	26705	15RB#0	23.51	23.0±1	1
Band26	3MHz	QPSK	26740	1RB#0	24.51	24.0±1	/
Band26	3MHz	QPSK	26740	1RB#8	24.48	24.0±1	/
Band26	3MHz	QPSK	26740	1RB#14	24.50	24.0±1	/
Band26	3MHz	QPSK	26740	8RB#0	23.49	23.0±1	1
Band26	3MHz	QPSK	26740	8RB#4	23.53	23.0±1	1
Band26	3MHz	QPSK	26740	8RB#7	23.51	23.0±1	1
Band26	3MHz	QPSK	26740	15RB#0	23.51	23.0±1	1
Band26	3MHz	QPSK	26775	1RB#0	24.59	24.0±1	/
Band26	3MHz	QPSK	26775	1RB#8	24.60	24.0±1	/
Band26	3MHz	QPSK	26775	1RB#14	24.62	24.0±1	/
Band26	3MHz	QPSK	26775	8RB#0	23.56	23.0±1	1
Band26	3MHz	QPSK	26775	8RB#4	23.56	23.0±1	1
Band26	3MHz	QPSK	26775	8RB#7	23.57	23.0±1	1
Band26	3MHz	QPSK	26775	15RB#0	23.56	23.0±1	1
Band26	3MHz	QPSK	26805	1RB#0	24.59	24.0±1	/
Band26	3MHz	QPSK	26805	1RB#8	24.56	24.0±1	/
Band26	3MHz	QPSK	26805	1RB#14	24.55	24.0±1	/
Band26	3MHz	QPSK	26805	8RB#0	23.58	23.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	3MHz	QPSK	26805	8RB#4	23.59	23.0±1	1
Band26	3MHz	QPSK	26805	8RB#7	23.55	23.0±1	1
Band26	3MHz	QPSK	26805	15RB#0	23.51	23.0±1	1
Band26	3MHz	QPSK	26915	1RB#0	24.60	24.0±1	/
Band26	3MHz	QPSK	26915	1RB#8	24.56	24.0±1	/
Band26	3MHz	QPSK	26915	1RB#14	24.56	24.0±1	/
Band26	3MHz	QPSK	26915	8RB#0	23.54	23.0±1	1
Band26	3MHz	QPSK	26915	8RB#4	23.50	23.0±1	1
Band26	3MHz	QPSK	26915	8RB#7	23.56	23.0±1	1
Band26	3MHz	QPSK	26915	15RB#0	23.56	23.0±1	1
Band26	3MHz	QPSK	27025	1RB#0	24.58	24.0±1	/
Band26	3MHz	QPSK	27025	1RB#8	24.53	24.0±1	/
Band26	3MHz	QPSK	27025	1RB#14	24.55	24.0±1	/
Band26	3MHz	QPSK	27025	8RB#0	23.59	23.0±1	1
Band26	3MHz	QPSK	27025	8RB#4	23.58	23.0±1	1
Band26	3MHz	QPSK	27025	8RB#7	23.57	23.0±1	1
Band26	3MHz	QPSK	27025	15RB#0	23.55	23.0±1	1
Band26	3MHz	16QAM	26705	1RB#0	23.57	23.0±1	1
Band26	3MHz	16QAM	26705	1RB#8	23.50	23.0±1	1
Band26	3MHz	16QAM	26705	1RB#14	23.52	23.0±1	1
Band26	3MHz	16QAM	26705	8RB#0	22.53	23.0±1	1
Band26	3MHz	16QAM	26705	8RB#4	22.57	23.0±1	1
Band26	3MHz	16QAM	26705	8RB#7	22.60	23.0±1	1
Band26	3MHz	16QAM	26705	15RB#0	22.43	23.0±1	1
Band26	3MHz	16QAM	26740	1RB#0	23.71	24.0±1	/
Band26	3MHz	16QAM	26740	1RB#8	23.66	24.0±1	/
Band26	3MHz	16QAM	26740	1RB#14	23.69	24.0±1	/
Band26	3MHz	16QAM	26740	8RB#0	22.58	23.0±1	1
Band26	3MHz	16QAM	26740	8RB#4	22.58	23.0±1	1
Band26	3MHz	16QAM	26740	8RB#7	22.58	23.0±1	1
Band26	3MHz	16QAM	26740	15RB#0	22.54	23.0±1	1
Band26	3MHz	16QAM	26775	1RB#0	23.80	24.0±1	/
Band26	3MHz	16QAM	26775	1RB#8	23.72	24.0±1	/
Band26	3MHz	16QAM	26775	1RB#14	23.72	24.0±1	/
Band26	3MHz	16QAM	26775	8RB#0	22.61	23.0±1	1
Band26	3MHz	16QAM	26775	8RB#4	22.59	23.0±1	1
Band26	3MHz	16QAM	26775	8RB#7	22.56	23.0±1	1
Band26	3MHz	16QAM	26775	15RB#0	22.46	23.0±1	1
Band26	3MHz	16QAM	26805	1RB#0	23.81	24.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	3MHz	16QAM	26805	1RB#8	23.76	24.0±1	/
Band26	3MHz	16QAM	26805	1RB#14	23.76	24.0±1	/
Band26	3MHz	16QAM	26805	8RB#0	22.56	23.0±1	1
Band26	3MHz	16QAM	26805	8RB#4	22.61	23.0±1	1
Band26	3MHz	16QAM	26805	8RB#7	22.56	23.0±1	1
Band26	3MHz	16QAM	26805	15RB#0	22.47	23.0±1	1
Band26	3MHz	16QAM	26915	1RB#0	23.45	23.0±1	1
Band26	3MHz	16QAM	26915	1RB#8	23.49	23.0±1	1
Band26	3MHz	16QAM	26915	1RB#14	23.54	23.0±1	1
Band26	3MHz	16QAM	26915	8RB#0	22.57	23.0±1	1
Band26	3MHz	16QAM	26915	8RB#4	22.56	23.0±1	1
Band26	3MHz	16QAM	26915	8RB#7	22.56	23.0±1	1
Band26	3MHz	16QAM	26915	15RB#0	22.49	23.0±1	1
Band26	3MHz	16QAM	27025	1RB#0	23.73	24.0±1	/
Band26	3MHz	16QAM	27025	1RB#8	23.75	24.0±1	/
Band26	3MHz	16QAM	27025	1RB#14	23.74	24.0±1	/
Band26	3MHz	16QAM	27025	8RB#0	22.66	23.0±1	1
Band26	3MHz	16QAM	27025	8RB#4	22.65	23.0±1	1
Band26	3MHz	16QAM	27025	8RB#7	22.60	23.0±1	1
Band26	3MHz	16QAM	27025	15RB#0	22.58	23.0±1	1
Band26	5MHz	QPSK	26715	1RB#0	24.51	24.0±1	/
Band26	5MHz	QPSK	26715	1RB#12	24.56	24.0±1	/
Band26	5MHz	QPSK	26715	1RB#24	24.48	24.0±1	/
Band26	5MHz	QPSK	26715	12RB#0	23.48	23.0±1	1
Band26	5MHz	QPSK	26715	12RB#6	23.46	23.0±1	1
Band26	5MHz	QPSK	26715	12RB#13	23.55	23.0±1	1
Band26	5MHz	QPSK	26715	25RB#0	23.56	23.0±1	1
Band26	5MHz	QPSK	26740	1RB#0	24.59	24.0±1	/
Band26	5MHz	QPSK	26740	1RB#12	24.57	24.0±1	/
Band26	5MHz	QPSK	26740	1RB#24	24.56	24.0±1	/
Band26	5MHz	QPSK	26740	12RB#0	23.51	23.0±1	1
Band26	5MHz	QPSK	26740	12RB#6	23.48	23.0±1	1
Band26	5MHz	QPSK	26740	12RB#13	23.52	23.0±1	1
Band26	5MHz	QPSK	26740	25RB#0	23.51	23.0±1	1
Band26	5MHz	QPSK	26765	1RB#0	24.52	24.0±1	/
Band26	5MHz	QPSK	26765	1RB#12	24.59	24.0±1	/
Band26	5MHz	QPSK	26765	1RB#24	24.54	24.0±1	/
Band26	5MHz	QPSK	26765	12RB#0	23.57	23.0±1	1
Band26	5MHz	QPSK	26765	12RB#6	23.54	23.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	5MHz	QPSK	26765	12RB#13	23.53	23.0±1	1
Band26	5MHz	QPSK	26765	25RB#0	23.55	23.0±1	1
Band26	5MHz	QPSK	26815	1RB#0	24.57	24.0±1	/
Band26	5MHz	QPSK	26815	1RB#12	24.67	24.0±1	/
Band26	5MHz	QPSK	26815	1RB#24	24.60	24.0±1	/
Band26	5MHz	QPSK	26815	12RB#0	23.60	23.0±1	1
Band26	5MHz	QPSK	26815	12RB#6	23.60	23.0±1	1
Band26	5MHz	QPSK	26815	12RB#13	23.60	23.0±1	1
Band26	5MHz	QPSK	26815	25RB#0	23.59	23.0±1	1
Band26	5MHz	QPSK	26915	1RB#0	24.58	24.0±1	/
Band26	5MHz	QPSK	26915	1RB#12	24.62	24.0±1	/
Band26	5MHz	QPSK	26915	1RB#24	24.66	24.0±1	/
Band26	5MHz	QPSK	26915	12RB#0	23.57	23.0±1	1
Band26	5MHz	QPSK	26915	12RB#6	23.55	23.0±1	1
Band26	5MHz	QPSK	26915	12RB#13	23.56	23.0±1	1
Band26	5MHz	QPSK	26915	25RB#0	23.61	24.0±1	/
Band26	5MHz	QPSK	27015	1RB#0	24.51	24.0±1	/
Band26	5MHz	QPSK	27015	1RB#12	24.65	24.0±1	/
Band26	5MHz	QPSK	27015	1RB#24	24.57	24.0±1	/
Band26	5MHz	QPSK	27015	12RB#0	23.58	23.0±1	1
Band26	5MHz	QPSK	27015	12RB#6	23.58	23.0±1	1
Band26	5MHz	QPSK	27015	12RB#13	23.59	23.0±1	1
Band26	5MHz	QPSK	27015	25RB#0	23.61	24.0±1	/
Band26	5MHz	16QAM	26715	1RB#0	23.78	24.0±1	/
Band26	5MHz	16QAM	26715	1RB#12	23.81	24.0±1	/
Band26	5MHz	16QAM	26715	1RB#24	23.68	24.0±1	/
Band26	5MHz	16QAM	26715	12RB#0	22.52	23.0±1	1
Band26	5MHz	16QAM	26715	12RB#6	22.53	23.0±1	1
Band26	5MHz	16QAM	26715	12RB#13	22.58	23.0±1	1
Band26	5MHz	16QAM	26715	25RB#0	22.51	23.0±1	1
Band26	5MHz	16QAM	26740	1RB#0	23.59	23.0±1	1
Band26	5MHz	16QAM	26740	1RB#12	23.61	24.0±1	/
Band26	5MHz	16QAM	26740	1RB#24	23.58	23.0±1	1
Band26	5MHz	16QAM	26740	12RB#0	22.50	23.0±1	1
Band26	5MHz	16QAM	26740	12RB#6	22.48	23.0±1	1
Band26	5MHz	16QAM	26740	12RB#13	22.54	23.0±1	1
Band26	5MHz	16QAM	26740	25RB#0	22.63	23.0±1	1
Band26	5MHz	16QAM	26765	1RB#0	23.54	23.0±1	1
Band26	5MHz	16QAM	26765	1RB#12	23.64	24.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	5MHz	16QAM	26765	1RB#24	23.52	23.0±1	1
Band26	5MHz	16QAM	26765	12RB#0	22.46	23.0±1	1
Band26	5MHz	16QAM	26765	12RB#6	22.50	23.0±1	1
Band26	5MHz	16QAM	26765	12RB#13	22.48	23.0±1	1
Band26	5MHz	16QAM	26765	25RB#0	22.54	23.0±1	1
Band26	5MHz	16QAM	26815	1RB#0	23.84	24.0±1	/
Band26	5MHz	16QAM	26815	1RB#12	23.85	24.0±1	/
Band26	5MHz	16QAM	26815	1RB#24	23.77	24.0±1	/
Band26	5MHz	16QAM	26815	12RB#0	22.60	23.0±1	1
Band26	5MHz	16QAM	26815	12RB#6	22.59	23.0±1	1
Band26	5MHz	16QAM	26815	12RB#13	22.63	23.0±1	1
Band26	5MHz	16QAM	26815	25RB#0	22.59	23.0±1	1
Band26	5MHz	16QAM	26915	1RB#0	23.56	23.0±1	1
Band26	5MHz	16QAM	26915	1RB#12	23.68	24.0±1	/
Band26	5MHz	16QAM	26915	1RB#24	23.61	24.0±1	/
Band26	5MHz	16QAM	26915	12RB#0	22.58	23.0±1	1
Band26	5MHz	16QAM	26915	12RB#6	22.53	23.0±1	1
Band26	5MHz	16QAM	26915	12RB#13	22.58	23.0±1	1
Band26	5MHz	16QAM	26915	25RB#0	22.67	23.0±1	1
Band26	5MHz	16QAM	27015	1RB#0	23.51	23.0±1	1
Band26	5MHz	16QAM	27015	1RB#12	23.65	24.0±1	/
Band26	5MHz	16QAM	27015	1RB#24	23.55	23.0±1	1
Band26	5MHz	16QAM	27015	12RB#0	22.56	23.0±1	1
Band26	5MHz	16QAM	27015	12RB#6	22.59	23.0±1	1
Band26	5MHz	16QAM	27015	12RB#13	22.53	23.0±1	1
Band26	5MHz	16QAM	27015	25RB#0	22.61	23.0±1	1
Band26	10MHz	QPSK	26740	1RB#0	24.55	24.0±1	/
Band26	10MHz	QPSK	26740	1RB#24	24.64	24.0±1	/
Band26	10MHz	QPSK	26740	1RB#49	24.52	24.0±1	/
Band26	10MHz	QPSK	26740	25RB#0	23.51	23.0±1	1
Band26	10MHz	QPSK	26740	25RB#12	23.51	23.0±1	1
Band26	10MHz	QPSK	26740	25RB#25	23.64	24.0±1	/
Band26	10MHz	QPSK	26740	50RB#0	23.57	23.0±1	1
Band26	10MHz	QPSK	26840	1RB#0	24.55	24.0±1	/
Band26	10MHz	QPSK	26840	1RB#24	24.62	24.0±1	/
Band26	10MHz	QPSK	26840	1RB#49	24.45	24.0±1	/
Band26	10MHz	QPSK	26840	25RB#0	23.65	24.0±1	/
Band26	10MHz	QPSK	26840	25RB#12	23.65	24.0±1	/
Band26	10MHz	QPSK	26840	25RB#25	23.62	24.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	10MHz	QPSK	26840	50RB#0	23.60	23.0±1	1
Band26	10MHz	QPSK	26915	1RB#0	24.58	24.0±1	/
Band26	10MHz	QPSK	26915	1RB#24	24.64	24.0±1	/
Band26	10MHz	QPSK	26915	1RB#49	24.55	24.0±1	/
Band26	10MHz	QPSK	26915	25RB#0	23.66	24.0±1	/
Band26	10MHz	QPSK	26915	25RB#12	23.64	24.0±1	/
Band26	10MHz	QPSK	26915	25RB#25	23.62	24.0±1	/
Band26	10MHz	QPSK	26915	50RB#0	23.63	24.0±1	/
Band26	10MHz	QPSK	26990	1RB#0	24.52	24.0±1	/
Band26	10MHz	QPSK	26990	1RB#24	24.58	24.0±1	/
Band26	10MHz	QPSK	26990	1RB#49	24.50	24.0±1	/
Band26	10MHz	QPSK	26990	25RB#0	23.64	24.0±1	/
Band26	10MHz	QPSK	26990	25RB#12	23.61	24.0±1	/
Band26	10MHz	QPSK	26990	25RB#25	23.54	23.0±1	1
Band26	10MHz	QPSK	26990	50RB#0	23.53	23.0±1	1
Band26	10MHz	16QAM	26740	1RB#0	23.77	24.0±1	/
Band26	10MHz	16QAM	26740	1RB#24	23.90	24.0±1	/
Band26	10MHz	16QAM	26740	1RB#49	23.71	24.0±1	/
Band26	10MHz	16QAM	26740	25RB#0	22.51	23.0±1	1
Band26	10MHz	16QAM	26740	25RB#12	22.53	23.0±1	1
Band26	10MHz	16QAM	26740	25RB#25	22.63	23.0±1	1
Band26	10MHz	16QAM	26740	50RB#0	22.57	23.0±1	1
Band26	10MHz	16QAM	26840	1RB#0	23.74	24.0±1	/
Band26	10MHz	16QAM	26840	1RB#24	23.86	24.0±1	/
Band26	10MHz	16QAM	26840	1RB#49	23.62	24.0±1	/
Band26	10MHz	16QAM	26840	25RB#0	22.70	23.0±1	1
Band26	10MHz	16QAM	26840	25RB#12	22.68	23.0±1	1
Band26	10MHz	16QAM	26840	25RB#25	22.66	23.0±1	1
Band26	10MHz	16QAM	26840	50RB#0	22.60	23.0±1	1
Band26	10MHz	16QAM	26915	1RB#0	23.46	23.0±1	1
Band26	10MHz	16QAM	26915	1RB#24	23.54	23.0±1	1
Band26	10MHz	16QAM	26915	1RB#49	23.41	23.0±1	1
Band26	10MHz	16QAM	26915	25RB#0	22.67	23.0±1	1
Band26	10MHz	16QAM	26915	25RB#12	22.64	23.0±1	1
Band26	10MHz	16QAM	26915	25RB#25	22.65	23.0±1	1
Band26	10MHz	16QAM	26915	50RB#0	22.58	23.0±1	1
Band26	10MHz	16QAM	26990	1RB#0	23.71	24.0±1	/
Band26	10MHz	16QAM	26990	1RB#24	23.78	24.0±1	/
Band26	10MHz	16QAM	26990	1RB#49	23.69	24.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	10MHz	16QAM	26990	25RB#0	22.58	23.0±1	1
Band26	10MHz	16QAM	26990	25RB#12	22.60	23.0±1	1
Band26	10MHz	16QAM	26990	25RB#25	22.51	23.0±1	1
Band26	10MHz	16QAM	26990	50RB#0	22.53	23.0±1	1
Band26	15MHz	QPSK	26765	1RB#0	24.46	24.0±1	/
Band26	15MHz	QPSK	26765	1RB#38	24.55	24.0±1	/
Band26	15MHz	QPSK	26765	1RB#74	24.40	24.0±1	/
Band26	15MHz	QPSK	26765	38RB#0	23.56	23.0±1	1
Band26	15MHz	QPSK	26765	38RB#18	23.53	23.0±1	1
Band26	15MHz	QPSK	26765	38RB#37	23.51	23.0±1	1
Band26	15MHz	QPSK	26765	75RB#0	23.58	23.0±1	1
Band26	15MHz	QPSK	26865	1RB#0	24.43	24.0±1	/
Band26	15MHz	QPSK	26865	1RB#38	24.56	24.0±1	/
Band26	15MHz	QPSK	26865	1RB#74	24.41	24.0±1	/
Band26	15MHz	QPSK	26865	38RB#0	23.56	23.0±1	1
Band26	15MHz	QPSK	26865	38RB#18	23.56	23.0±1	1
Band26	15MHz	QPSK	26865	38RB#37	23.55	23.0±1	1
Band26	15MHz	QPSK	26865	75RB#0	23.60	23.0±1	1
Band26	15MHz	QPSK	26915	1RB#0	24.51	24.0±1	/
Band26	15MHz	QPSK	26915	1RB#38	24.55	24.0±1	/
Band26	15MHz	QPSK	26915	1RB#74	24.43	24.0±1	/
Band26	15MHz	QPSK	26915	38RB#0	23.62	24.0±1	/
Band26	15MHz	QPSK	26915	38RB#18	23.62	24.0±1	/
Band26	15MHz	QPSK	26915	38RB#37	23.60	23.0±1	1
Band26	15MHz	QPSK	26915	75RB#0	23.59	23.0±1	1
Band26	15MHz	QPSK	26965	1RB#0	24.39	24.0±1	/
Band26	15MHz	QPSK	26965	1RB#38	24.55	24.0±1	/
Band26	15MHz	QPSK	26965	1RB#74	24.39	24.0±1	/
Band26	15MHz	QPSK	26965	38RB#0	23.56	23.0±1	1
Band26	15MHz	QPSK	26965	38RB#18	23.54	23.0±1	1
Band26	15MHz	QPSK	26965	38RB#37	23.55	23.0±1	1
Band26	15MHz	QPSK	26965	75RB#0	23.57	23.0±1	1
Band26	15MHz	16QAM	26765	1RB#0	23.66	24.0±1	/
Band26	15MHz	16QAM	26765	1RB#38	23.77	24.0±1	/
Band26	15MHz	16QAM	26765	1RB#74	23.58	23.0±1	1
Band26	15MHz	16QAM	26765	38RB#0	23.58	23.0±1	1
Band26	15MHz	16QAM	26765	38RB#18	23.55	23.0±1	1
Band26	15MHz	16QAM	26765	38RB#37	23.60	23.0±1	1
Band26	15MHz	16QAM	26765	75RB#0	22.54	23.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	15MHz	16QAM	26865	1RB#0	23.75	24.0±1	/
Band26	15MHz	16QAM	26865	1RB#38	23.88	24.0±1	/
Band26	15MHz	16QAM	26865	1RB#74	23.69	24.0±1	/
Band26	15MHz	16QAM	26865	38RB#0	23.56	23.0±1	1
Band26	15MHz	16QAM	26865	38RB#18	23.57	23.0±1	1
Band26	15MHz	16QAM	26865	38RB#37	23.60	23.0±1	1
Band26	15MHz	16QAM	26865	75RB#0	22.54	23.0±1	1
Band26	15MHz	16QAM	26915	1RB#0	23.39	23.0±1	1
Band26	15MHz	16QAM	26915	1RB#38	23.49	23.0±1	1
Band26	15MHz	16QAM	26915	1RB#74	23.26	23.0±1	1
Band26	15MHz	16QAM	26915	38RB#0	23.59	23.0±1	1
Band26	15MHz	16QAM	26915	38RB#18	23.60	23.0±1	1
Band26	15MHz	16QAM	26915	38RB#37	23.58	23.0±1	1
Band26	15MHz	16QAM	26915	75RB#0	22.58	23.0±1	1
Band26	15MHz	16QAM	26965	1RB#0	23.58	23.0±1	1
Band26	15MHz	16QAM	26965	1RB#38	23.76	24.0±1	/
Band26	15MHz	16QAM	26965	1RB#74	23.55	23.0±1	1
Band26	15MHz	16QAM	26965	38RB#0	23.57	23.0±1	1
Band26	15MHz	16QAM	26965	38RB#18	23.57	23.0±1	1
Band26	15MHz	16QAM	26965	38RB#37	23.58	23.0±1	1
Band26	15MHz	16QAM	26965	75RB#0	22.47	23.0±1	1
Band41	5MHz	QPSK	39675	1RB#0	25.33	25.5±1	/
Band41	5MHz	QPSK	39675	1RB#12	25.48	25.5±1	/
Band41	5MHz	QPSK	39675	1RB#24	25.35	25.5±1	/
Band41	5MHz	QPSK	39675	12RB#0	25.38	25.5±1	/
Band41	5MHz	QPSK	39675	12RB#6	25.36	25.5±1	/
Band41	5MHz	QPSK	39675	12RB#13	25.49	25.5±1	/
Band41	5MHz	QPSK	39675	25RB#0	25.42	25.5±1	/
Band41	5MHz	QPSK	40620	1RB#0	25.75	25.5±1	/
Band41	5MHz	QPSK	40620	1RB#12	25.85	25.5±1	/
Band41	5MHz	QPSK	40620	1RB#24	25.70	25.5±1	/
Band41	5MHz	QPSK	40620	12RB#0	25.84	25.5±1	/
Band41	5MHz	QPSK	40620	12RB#6	25.83	25.5±1	/
Band41	5MHz	QPSK	40620	12RB#13	25.80	25.5±1	/
Band41	5MHz	QPSK	40620	25RB#0	25.86	25.5±1	/
Band41	5MHz	QPSK	41565	1RB#0	25.44	25.5±1	/
Band41	5MHz	QPSK	41565	1RB#12	25.54	25.5±1	/
Band41	5MHz	QPSK	41565	1RB#24	25.46	25.5±1	/
Band41	5MHz	QPSK	41565	12RB#0	25.52	25.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band41	5MHz	QPSK	41565	12RB#6	25.53	25.5±1	/
Band41	5MHz	QPSK	41565	12RB#13	25.51	25.5±1	/
Band41	5MHz	QPSK	41565	25RB#0	25.50	25.5±1	/
Band41	5MHz	16QAM	39675	1RB#0	25.63	25.5±1	/
Band41	5MHz	16QAM	39675	1RB#12	25.79	25.5±1	/
Band41	5MHz	16QAM	39675	1RB#24	25.67	25.5±1	/
Band41	5MHz	16QAM	39675	12RB#0	25.37	25.5±1	/
Band41	5MHz	16QAM	39675	12RB#6	25.36	25.5±1	/
Band41	5MHz	16QAM	39675	12RB#13	25.38	25.5±1	/
Band41	5MHz	16QAM	39675	25RB#0	25.42	25.5±1	/
Band41	5MHz	16QAM	40620	1RB#0	26.03	25.5±1	/
Band41	5MHz	16QAM	40620	1RB#12	26.12	25.5±1	/
Band41	5MHz	16QAM	40620	1RB#24	26.00	25.5±1	/
Band41	5MHz	16QAM	40620	12RB#0	25.78	25.5±1	/
Band41	5MHz	16QAM	40620	12RB#6	25.83	25.5±1	/
Band41	5MHz	16QAM	40620	12RB#13	25.80	25.5±1	/
Band41	5MHz	16QAM	40620	25RB#0	25.78	25.5±1	/
Band41	5MHz	16QAM	41565	1RB#0	25.59	25.5±1	/
Band41	5MHz	16QAM	41565	1RB#12	25.62	25.5±1	/
Band41	5MHz	16QAM	41565	1RB#24	25.59	25.5±1	/
Band41	5MHz	16QAM	41565	12RB#0	25.44	25.5±1	/
Band41	5MHz	16QAM	41565	12RB#6	25.45	25.5±1	/
Band41	5MHz	16QAM	41565	12RB#13	25.43	25.5±1	/
Band41	5MHz	16QAM	41565	25RB#0	25.47	25.5±1	/
Band41	10MHz	QPSK	39700	1RB#0	25.37	25.5±1	/
Band41	10MHz	QPSK	39700	1RB#24	25.61	25.5±1	/
Band41	10MHz	QPSK	39700	1RB#49	25.40	25.5±1	/
Band41	10MHz	QPSK	39700	25RB#0	25.48	25.5±1	/
Band41	10MHz	QPSK	39700	25RB#12	25.46	25.5±1	/
Band41	10MHz	QPSK	39700	25RB#25	25.52	25.5±1	/
Band41	10MHz	QPSK	39700	50RB#0	25.54	25.5±1	/
Band41	10MHz	QPSK	40620	1RB#0	25.89	25.5±1	/
Band41	10MHz	QPSK	40620	1RB#24	26.07	25.5±1	/
Band41	10MHz	QPSK	40620	1RB#49	25.80	25.5±1	/
Band41	10MHz	QPSK	40620	25RB#0	25.87	25.5±1	/
Band41	10MHz	QPSK	40620	25RB#12	25.87	25.5±1	/
Band41	10MHz	QPSK	40620	25RB#25	25.84	25.5±1	/
Band41	10MHz	QPSK	40620	50RB#0	25.86	25.5±1	/
Band41	10MHz	QPSK	41540	1RB#0	25.51	25.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band41	10MHz	QPSK	41540	1RB#24	25.76	25.5±1	/
Band41	10MHz	QPSK	41540	1RB#49	25.47	25.5±1	/
Band41	10MHz	QPSK	41540	25RB#0	25.57	25.5±1	/
Band41	10MHz	QPSK	41540	25RB#12	25.58	25.5±1	/
Band41	10MHz	QPSK	41540	25RB#25	25.55	25.5±1	/
Band41	10MHz	QPSK	41540	50RB#0	25.61	25.5±1	/
Band41	10MHz	16QAM	39700	1RB#0	25.68	25.5±1	/
Band41	10MHz	16QAM	39700	1RB#24	25.92	25.5±1	/
Band41	10MHz	16QAM	39700	1RB#49	25.72	25.5±1	/
Band41	10MHz	16QAM	39700	25RB#0	25.50	25.5±1	/
Band41	10MHz	16QAM	39700	25RB#12	25.51	25.5±1	/
Band41	10MHz	16QAM	39700	25RB#25	25.61	25.5±1	/
Band41	10MHz	16QAM	39700	50RB#0	25.53	25.5±1	/
Band41	10MHz	16QAM	40620	1RB#0	25.69	25.5±1	/
Band41	10MHz	16QAM	40620	1RB#24	25.92	25.5±1	/
Band41	10MHz	16QAM	40620	1RB#49	25.63	25.5±1	/
Band41	10MHz	16QAM	40620	25RB#0	25.83	25.5±1	/
Band41	10MHz	16QAM	40620	25RB#12	25.83	25.5±1	/
Band41	10MHz	16QAM	40620	25RB#25	25.82	25.5±1	/
Band41	10MHz	16QAM	40620	50RB#0	25.81	25.5±1	/
Band41	10MHz	16QAM	41540	1RB#0	25.53	25.5±1	/
Band41	10MHz	16QAM	41540	1RB#24	25.70	25.5±1	/
Band41	10MHz	16QAM	41540	1RB#49	25.46	25.5±1	/
Band41	10MHz	16QAM	41540	25RB#0	25.57	25.5±1	/
Band41	10MHz	16QAM	41540	25RB#12	25.59	25.5±1	/
Band41	10MHz	16QAM	41540	25RB#25	25.51	25.5±1	/
Band41	10MHz	16QAM	41540	50RB#0	25.52	25.5±1	/
Band41	15MHz	QPSK	39725	1RB#0	25.25	25.5±1	/
Band41	15MHz	QPSK	39725	1RB#38	25.48	25.5±1	/
Band41	15MHz	QPSK	39725	1RB#74	25.32	25.5±1	/
Band41	15MHz	QPSK	39725	38RB#0	25.56	25.5±1	/
Band41	15MHz	QPSK	39725	38RB#18	25.57	25.5±1	/
Band41	15MHz	QPSK	39725	38RB#37	25.57	25.5±1	/
Band41	15MHz	QPSK	39725	75RB#0	25.59	25.5±1	/
Band41	15MHz	QPSK	40620	1RB#0	25.85	25.5±1	/
Band41	15MHz	QPSK	40620	1RB#38	26.00	25.5±1	/
Band41	15MHz	QPSK	40620	1RB#74	25.75	25.5±1	/
Band41	15MHz	QPSK	40620	38RB#0	25.99	25.5±1	/
Band41	15MHz	QPSK	40620	38RB#18	25.96	25.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band41	15MHz	QPSK	40620	38RB#37	25.97	25.5±1	/
Band41	15MHz	QPSK	40620	75RB#0	25.97	25.5±1	/
Band41	15MHz	QPSK	41515	1RB#0	25.47	25.5±1	/
Band41	15MHz	QPSK	41515	1RB#38	25.56	25.5±1	/
Band41	15MHz	QPSK	41515	1RB#74	25.37	25.5±1	/
Band41	15MHz	QPSK	41515	38RB#0	25.63	25.5±1	/
Band41	15MHz	QPSK	41515	38RB#18	25.64	25.5±1	/
Band41	15MHz	QPSK	41515	38RB#37	25.62	25.5±1	/
Band41	15MHz	QPSK	41515	75RB#0	25.66	25.5±1	/
Band41	15MHz	16QAM	39725	1RB#0	25.62	25.5±1	/
Band41	15MHz	16QAM	39725	1RB#38	25.81	25.5±1	/
Band41	15MHz	16QAM	39725	1RB#74	25.67	25.5±1	/
Band41	15MHz	16QAM	39725	38RB#0	25.58	25.5±1	/
Band41	15MHz	16QAM	39725	38RB#18	25.57	25.5±1	/
Band41	15MHz	16QAM	39725	38RB#37	25.58	25.5±1	/
Band41	15MHz	16QAM	39725	75RB#0	25.59	25.5±1	/
Band41	15MHz	16QAM	40620	1RB#0	25.81	25.5±1	/
Band41	15MHz	16QAM	40620	1RB#38	25.94	25.5±1	/
Band41	15MHz	16QAM	40620	1RB#74	25.71	25.5±1	/
Band41	15MHz	16QAM	40620	38RB#0	25.98	25.5±1	/
Band41	15MHz	16QAM	40620	38RB#18	25.97	25.5±1	/
Band41	15MHz	16QAM	40620	38RB#37	25.97	25.5±1	/
Band41	15MHz	16QAM	40620	75RB#0	25.94	25.5±1	/
Band41	15MHz	16QAM	41515	1RB#0	25.45	25.5±1	/
Band41	15MHz	16QAM	41515	1RB#38	25.55	25.5±1	/
Band41	15MHz	16QAM	41515	1RB#74	25.35	25.5±1	/
Band41	15MHz	16QAM	41515	38RB#0	25.65	25.5±1	/
Band41	15MHz	16QAM	41515	38RB#18	25.63	25.5±1	/
Band41	15MHz	16QAM	41515	38RB#37	25.64	25.5±1	/
Band41	15MHz	16QAM	41515	75RB#0	25.59	25.5±1	/
Band41	20MHz	QPSK	39750	1RB#0	25.14	25.5±1	/
Band41	20MHz	QPSK	39750	1RB#49	25.68	25.5±1	/
Band41	20MHz	QPSK	39750	1RB#99	25.24	25.5±1	/
Band41	20MHz	QPSK	39750	50RB#0	25.47	25.5±1	/
Band41	20MHz	QPSK	39750	50RB#25	25.43	25.5±1	/
Band41	20MHz	QPSK	39750	50RB#50	25.51	25.5±1	/
Band41	20MHz	QPSK	39750	100RB#0	25.45	25.5±1	/
Band41	20MHz	QPSK	40620	1RB#0	25.64	25.5±1	/
Band41	20MHz	QPSK	40620	1RB#49	26.09	25.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band41	20MHz	QPSK	40620	1RB#99	25.56	25.5±1	/
Band41	20MHz	QPSK	40620	50RB#0	25.84	25.5±1	/
Band41	20MHz	QPSK	40620	50RB#25	25.86	25.5±1	/
Band41	20MHz	QPSK	40620	50RB#50	25.78	25.5±1	/
Band41	20MHz	QPSK	40620	100RB#0	25.83	25.5±1	/
Band41	20MHz	QPSK	41490	1RB#0	25.25	25.5±1	/
Band41	20MHz	QPSK	41490	1RB#49	25.65	25.5±1	/
Band41	20MHz	QPSK	41490	1RB#99	25.13	25.5±1	/
Band41	20MHz	QPSK	41490	50RB#0	25.46	25.5±1	/
Band41	20MHz	QPSK	41490	50RB#25	25.49	25.5±1	/
Band41	20MHz	QPSK	41490	50RB#50	25.48	25.5±1	/
Band41	20MHz	QPSK	41490	100RB#0	25.46	25.5±1	/
Band41	20MHz	16QAM	39750	1RB#0	24.78	24.5±1	1
Band41	20MHz	16QAM	39750	1RB#49	25.28	25.5±1	/
Band41	20MHz	16QAM	39750	1RB#99	24.91	24.5±1	1
Band41	20MHz	16QAM	39750	50RB#0	25.48	25.5±1	/
Band41	20MHz	16QAM	39750	50RB#25	25.46	25.5±1	/
Band41	20MHz	16QAM	39750	50RB#50	25.58	25.5±1	/
Band41	20MHz	16QAM	39750	100RB#0	25.49	25.5±1	/
Band41	20MHz	16QAM	40620	1RB#0	25.52	25.5±1	/
Band41	20MHz	16QAM	40620	1RB#49	25.94	25.5±1	/
Band41	20MHz	16QAM	40620	1RB#99	25.45	25.5±1	/
Band41	20MHz	16QAM	40620	50RB#0	25.80	25.5±1	/
Band41	20MHz	16QAM	40620	50RB#25	25.74	25.5±1	/
Band41	20MHz	16QAM	40620	50RB#50	25.75	25.5±1	/
Band41	20MHz	16QAM	40620	100RB#0	25.76	25.5±1	/
Band41	20MHz	16QAM	41490	1RB#0	25.40	25.5±1	/
Band41	20MHz	16QAM	41490	1RB#49	25.76	25.5±1	/
Band41	20MHz	16QAM	41490	1RB#99	25.28	25.5±1	/
Band41	20MHz	16QAM	41490	50RB#0	25.48	25.5±1	/
Band41	20MHz	16QAM	41490	50RB#25	25.48	25.5±1	/
Band41	20MHz	16QAM	41490	50RB#50	25.46	25.5±1	/
Band41	20MHz	16QAM	41490	100RB#0	25.43	25.5±1	/
Band66	1.4MHz	QPSK	131979	1RB#0	23.20	23.0±1	/
Band66	1.4MHz	QPSK	131979	1RB#2	23.12	23.0±1	/
Band66	1.4MHz	QPSK	131979	1RB#5	23.11	23.0±1	/
Band66	1.4MHz	QPSK	131979	3RB#0	23.21	23.0±1	/
Band66	1.4MHz	QPSK	131979	3RB#1	23.26	23.0±1	/
Band66	1.4MHz	QPSK	131979	3RB#3	23.22	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	1.4MHz	QPSK	131979	6RB#0	22.23	22.0±1	1
Band66	1.4MHz	QPSK	132322	1RB#0	23.42	23.0±1	/
Band66	1.4MHz	QPSK	132322	1RB#2	23.45	23.0±1	/
Band66	1.4MHz	QPSK	132322	1RB#5	23.44	23.0±1	/
Band66	1.4MHz	QPSK	132322	3RB#0	23.44	23.0±1	/
Band66	1.4MHz	QPSK	132322	3RB#1	23.41	23.0±1	/
Band66	1.4MHz	QPSK	132322	3RB#3	23.45	23.0±1	/
Band66	1.4MHz	QPSK	132322	6RB#0	22.48	22.0±1	1
Band66	1.4MHz	QPSK	132665	1RB#0	23.59	23.0±1	/
Band66	1.4MHz	QPSK	132665	1RB#2	23.69	23.0±1	/
Band66	1.4MHz	QPSK	132665	1RB#5	23.59	23.0±1	/
Band66	1.4MHz	QPSK	132665	3RB#0	23.59	23.0±1	/
Band66	1.4MHz	QPSK	132665	3RB#1	23.58	23.0±1	/
Band66	1.4MHz	QPSK	132665	3RB#3	23.67	23.0±1	/
Band66	1.4MHz	QPSK	132665	6RB#0	22.63	23.0±1	/
Band66	1.4MHz	16QAM	131979	1RB#0	22.28	22.0±1	1
Band66	1.4MHz	16QAM	131979	1RB#2	22.44	22.0±1	1
Band66	1.4MHz	16QAM	131979	1RB#5	22.28	22.0±1	1
Band66	1.4MHz	16QAM	131979	3RB#0	22.05	22.0±1	1
Band66	1.4MHz	16QAM	131979	3RB#1	22.13	22.0±1	1
Band66	1.4MHz	16QAM	131979	3RB#3	22.13	22.0±1	1
Band66	1.4MHz	16QAM	131979	6RB#0	21.31	22.0±1	1
Band66	1.4MHz	16QAM	132322	1RB#0	22.50	22.0±1	1
Band66	1.4MHz	16QAM	132322	1RB#2	22.63	23.0±1	/
Band66	1.4MHz	16QAM	132322	1RB#5	22.48	22.0±1	1
Band66	1.4MHz	16QAM	132322	3RB#0	22.30	22.0±1	1
Band66	1.4MHz	16QAM	132322	3RB#1	22.33	22.0±1	1
Band66	1.4MHz	16QAM	132322	3RB#3	22.31	22.0±1	1
Band66	1.4MHz	16QAM	132322	6RB#0	21.37	22.0±1	1
Band66	1.4MHz	16QAM	132665	1RB#0	22.47	22.0±1	1
Band66	1.4MHz	16QAM	132665	1RB#2	22.63	23.0±1	/
Band66	1.4MHz	16QAM	132665	1RB#5	22.46	22.0±1	1
Band66	1.4MHz	16QAM	132665	3RB#0	22.41	22.0±1	1
Band66	1.4MHz	16QAM	132665	3RB#1	22.40	22.0±1	1
Band66	1.4MHz	16QAM	132665	3RB#3	22.36	22.0±1	1
Band66	1.4MHz	16QAM	132665	6RB#0	21.62	22.0±1	1
Band66	3MHz	QPSK	131987	1RB#0	23.26	23.0±1	/
Band66	3MHz	QPSK	131987	1RB#8	23.30	23.0±1	/
Band66	3MHz	QPSK	131987	1RB#14	23.33	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	3MHz	QPSK	131987	8RB#0	22.30	22.0±1	1
Band66	3MHz	QPSK	131987	8RB#4	22.27	22.0±1	1
Band66	3MHz	QPSK	131987	8RB#7	22.31	22.0±1	1
Band66	3MHz	QPSK	131987	15RB#0	22.23	22.0±1	1
Band66	3MHz	QPSK	132322	1RB#0	23.54	23.0±1	/
Band66	3MHz	QPSK	132322	1RB#8	23.57	23.0±1	/
Band66	3MHz	QPSK	132322	1RB#14	23.55	23.0±1	/
Band66	3MHz	QPSK	132322	8RB#0	22.48	22.0±1	1
Band66	3MHz	QPSK	132322	8RB#4	22.45	22.0±1	1
Band66	3MHz	QPSK	132322	8RB#7	22.45	22.0±1	1
Band66	3MHz	QPSK	132322	15RB#0	22.48	22.0±1	1
Band66	3MHz	QPSK	132657	1RB#0	23.73	23.0±1	/
Band66	3MHz	QPSK	132657	1RB#8	23.69	23.0±1	/
Band66	3MHz	QPSK	132657	1RB#14	23.73	23.0±1	/
Band66	3MHz	QPSK	132657	8RB#0	22.65	23.0±1	/
Band66	3MHz	QPSK	132657	8RB#4	22.61	23.0±1	/
Band66	3MHz	QPSK	132657	8RB#7	22.62	23.0±1	/
Band66	3MHz	QPSK	132657	15RB#0	22.63	23.0±1	/
Band66	3MHz	16QAM	131987	1RB#0	22.46	22.0±1	1
Band66	3MHz	16QAM	131987	1RB#8	22.47	22.0±1	1
Band66	3MHz	16QAM	131987	1RB#14	22.47	22.0±1	1
Band66	3MHz	16QAM	131987	8RB#0	21.36	22.0±1	1
Band66	3MHz	16QAM	131987	8RB#4	21.35	22.0±1	1
Band66	3MHz	16QAM	131987	8RB#7	21.37	22.0±1	1
Band66	3MHz	16QAM	131987	15RB#0	21.32	22.0±1	1
Band66	3MHz	16QAM	132322	1RB#0	22.67	23.0±1	/
Band66	3MHz	16QAM	132322	1RB#8	22.59	22.0±1	1
Band66	3MHz	16QAM	132322	1RB#14	22.58	22.0±1	1
Band66	3MHz	16QAM	132322	8RB#0	21.53	22.0±1	1
Band66	3MHz	16QAM	132322	8RB#4	21.51	22.0±1	1
Band66	3MHz	16QAM	132322	8RB#7	21.52	22.0±1	1
Band66	3MHz	16QAM	132322	15RB#0	21.37	22.0±1	1
Band66	3MHz	16QAM	132657	1RB#0	22.58	22.0±1	1
Band66	3MHz	16QAM	132657	1RB#8	22.61	23.0±1	/
Band66	3MHz	16QAM	132657	1RB#14	22.59	22.0±1	1
Band66	3MHz	16QAM	132657	8RB#0	21.72	22.0±1	1
Band66	3MHz	16QAM	132657	8RB#4	21.71	22.0±1	1
Band66	3MHz	16QAM	132657	8RB#7	21.67	22.0±1	1
Band66	3MHz	16QAM	132657	15RB#0	21.57	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	5MHz	QPSK	131997	1RB#0	23.25	23.0±1	/
Band66	5MHz	QPSK	131997	1RB#12	23.37	23.0±1	/
Band66	5MHz	QPSK	131997	1RB#24	23.25	23.0±1	/
Band66	5MHz	QPSK	131997	12RB#0	22.21	22.0±1	1
Band66	5MHz	QPSK	131997	12RB#6	22.24	22.0±1	1
Band66	5MHz	QPSK	131997	12RB#13	22.31	22.0±1	1
Band66	5MHz	QPSK	131997	25RB#0	22.29	22.0±1	1
Band66	5MHz	QPSK	132322	1RB#0	23.52	23.0±1	/
Band66	5MHz	QPSK	132322	1RB#12	23.65	23.0±1	/
Band66	5MHz	QPSK	132322	1RB#24	23.50	23.0±1	/
Band66	5MHz	QPSK	132322	12RB#0	22.47	22.0±1	1
Band66	5MHz	QPSK	132322	12RB#6	22.50	22.0±1	1
Band66	5MHz	QPSK	132322	12RB#13	22.44	22.0±1	1
Band66	5MHz	QPSK	132322	25RB#0	22.46	22.0±1	1
Band66	5MHz	QPSK	132647	1RB#0	23.60	23.0±1	/
Band66	5MHz	QPSK	132647	1RB#12	23.72	23.0±1	/
Band66	5MHz	QPSK	132647	1RB#24	23.58	23.0±1	/
Band66	5MHz	QPSK	132647	12RB#0	22.63	23.0±1	/
Band66	5MHz	QPSK	132647	12RB#6	22.62	23.0±1	/
Band66	5MHz	QPSK	132647	12RB#13	22.66	23.0±1	/
Band66	5MHz	QPSK	132647	25RB#0	22.66	23.0±1	/
Band66	5MHz	16QAM	131997	1RB#0	22.41	22.0±1	1
Band66	5MHz	16QAM	131997	1RB#12	22.55	22.0±1	1
Band66	5MHz	16QAM	131997	1RB#24	22.45	22.0±1	1
Band66	5MHz	16QAM	131997	12RB#0	21.33	22.0±1	1
Band66	5MHz	16QAM	131997	12RB#6	21.30	22.0±1	1
Band66	5MHz	16QAM	131997	12RB#13	21.40	22.0±1	1
Band66	5MHz	16QAM	131997	25RB#0	21.28	22.0±1	1
Band66	5MHz	16QAM	132322	1RB#0	22.45	22.0±1	1
Band66	5MHz	16QAM	132322	1RB#12	22.52	22.0±1	1
Band66	5MHz	16QAM	132322	1RB#24	22.46	22.0±1	1
Band66	5MHz	16QAM	132322	12RB#0	21.49	22.0±1	1
Band66	5MHz	16QAM	132322	12RB#6	21.49	22.0±1	1
Band66	5MHz	16QAM	132322	12RB#13	21.47	22.0±1	1
Band66	5MHz	16QAM	132322	25RB#0	21.54	22.0±1	1
Band66	5MHz	16QAM	132647	1RB#0	22.61	23.0±1	/
Band66	5MHz	16QAM	132647	1RB#12	22.69	23.0±1	/
Band66	5MHz	16QAM	132647	1RB#24	22.63	23.0±1	/
Band66	5MHz	16QAM	132647	12RB#0	21.65	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	5MHz	16QAM	132647	12RB#6	21.66	22.0±1	1
Band66	5MHz	16QAM	132647	12RB#13	21.66	22.0±1	1
Band66	5MHz	16QAM	132647	25RB#0	21.67	22.0±1	1
Band66	10MHz	QPSK	132022	1RB#0	23.22	23.0±1	/
Band66	10MHz	QPSK	132022	1RB#24	23.45	23.0±1	/
Band66	10MHz	QPSK	132022	1RB#49	23.21	23.0±1	/
Band66	10MHz	QPSK	132022	25RB#0	22.25	22.0±1	1
Band66	10MHz	QPSK	132022	25RB#12	22.27	22.0±1	1
Band66	10MHz	QPSK	132022	25RB#25	22.32	22.0±1	1
Band66	10MHz	QPSK	132022	50RB#0	22.27	22.0±1	1
Band66	10MHz	QPSK	132322	1RB#0	23.50	23.0±1	/
Band66	10MHz	QPSK	132322	1RB#24	23.65	23.0±1	/
Band66	10MHz	QPSK	132322	1RB#49	23.48	23.0±1	/
Band66	10MHz	QPSK	132322	25RB#0	22.55	22.0±1	1
Band66	10MHz	QPSK	132322	25RB#12	22.55	22.0±1	1
Band66	10MHz	QPSK	132322	25RB#25	22.49	22.0±1	1
Band66	10MHz	QPSK	132322	50RB#0	22.43	22.0±1	1
Band66	10MHz	QPSK	132622	1RB#0	23.57	23.0±1	/
Band66	10MHz	QPSK	132622	1RB#24	23.66	23.0±1	/
Band66	10MHz	QPSK	132622	1RB#49	23.58	23.0±1	/
Band66	10MHz	QPSK	132622	25RB#0	22.73	23.0±1	/
Band66	10MHz	QPSK	132622	25RB#12	22.69	23.0±1	/
Band66	10MHz	QPSK	132622	25RB#25	22.77	23.0±1	/
Band66	10MHz	QPSK	132622	50RB#0	22.71	23.0±1	/
Band66	10MHz	16QAM	132022	1RB#0	22.41	22.0±1	1
Band66	10MHz	16QAM	132022	1RB#24	22.51	22.0±1	1
Band66	10MHz	16QAM	132022	1RB#49	22.37	22.0±1	1
Band66	10MHz	16QAM	132022	25RB#0	21.30	22.0±1	1
Band66	10MHz	16QAM	132022	25RB#12	21.34	22.0±1	1
Band66	10MHz	16QAM	132022	25RB#25	21.39	22.0±1	1
Band66	10MHz	16QAM	132022	50RB#0	21.34	22.0±1	1
Band66	10MHz	16QAM	132322	1RB#0	22.39	22.0±1	1
Band66	10MHz	16QAM	132322	1RB#24	22.48	22.0±1	1
Band66	10MHz	16QAM	132322	1RB#49	22.45	22.0±1	1
Band66	10MHz	16QAM	132322	25RB#0	21.55	22.0±1	1
Band66	10MHz	16QAM	132322	25RB#12	21.58	22.0±1	1
Band66	10MHz	16QAM	132322	25RB#25	21.56	22.0±1	1
Band66	10MHz	16QAM	132322	50RB#0	21.48	22.0±1	1
Band66	10MHz	16QAM	132622	1RB#0	22.72	23.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	10MHz	16QAM	132622	1RB#24	22.97	23.0±1	/
Band66	10MHz	16QAM	132622	1RB#49	22.73	23.0±1	/
Band66	10MHz	16QAM	132622	25RB#0	21.67	22.0±1	1
Band66	10MHz	16QAM	132622	25RB#12	21.71	22.0±1	1
Band66	10MHz	16QAM	132622	25RB#25	21.73	22.0±1	1
Band66	10MHz	16QAM	132622	50RB#0	21.71	22.0±1	1
Band66	15MHz	QPSK	132047	1RB#0	23.07	23.0±1	/
Band66	15MHz	QPSK	132047	1RB#38	23.35	23.0±1	/
Band66	15MHz	QPSK	132047	1RB#74	23.09	23.0±1	/
Band66	15MHz	QPSK	132047	38RB#0	22.27	22.0±1	1
Band66	15MHz	QPSK	132047	38RB#18	22.28	22.0±1	1
Band66	15MHz	QPSK	132047	38RB#37	22.27	22.0±1	1
Band66	15MHz	QPSK	132047	75RB#0	22.29	22.0±1	1
Band66	15MHz	QPSK	132322	1RB#0	23.35	23.0±1	/
Band66	15MHz	QPSK	132322	1RB#38	23.54	23.0±1	/
Band66	15MHz	QPSK	132322	1RB#74	23.29	23.0±1	/
Band66	15MHz	QPSK	132322	38RB#0	22.47	22.0±1	1
Band66	15MHz	QPSK	132322	38RB#18	22.45	22.0±1	1
Band66	15MHz	QPSK	132322	38RB#37	22.46	22.0±1	1
Band66	15MHz	QPSK	132322	75RB#0	22.44	22.0±1	1
Band66	15MHz	QPSK	132597	1RB#0	23.39	23.0±1	/
Band66	15MHz	QPSK	132597	1RB#38	23.65	23.0±1	/
Band66	15MHz	QPSK	132597	1RB#74	23.41	23.0±1	/
Band66	15MHz	QPSK	132597	38RB#0	22.67	23.0±1	/
Band66	15MHz	QPSK	132597	38RB#18	22.67	23.0±1	/
Band66	15MHz	QPSK	132597	38RB#37	22.63	23.0±1	/
Band66	15MHz	QPSK	132597	75RB#0	22.63	23.0±1	/
Band66	15MHz	16QAM	132047	1RB#0	22.43	22.0±1	1
Band66	15MHz	16QAM	132047	1RB#38	22.56	22.0±1	1
Band66	15MHz	16QAM	132047	1RB#74	22.38	22.0±1	1
Band66	15MHz	16QAM	132047	38RB#0	22.26	22.0±1	1
Band66	15MHz	16QAM	132047	38RB#18	22.27	22.0±1	1
Band66	15MHz	16QAM	132047	38RB#37	22.28	22.0±1	1
Band66	15MHz	16QAM	132047	75RB#0	21.36	22.0±1	1
Band66	15MHz	16QAM	132322	1RB#0	22.26	22.0±1	1
Band66	15MHz	16QAM	132322	1RB#38	22.43	22.0±1	1
Band66	15MHz	16QAM	132322	1RB#74	22.15	22.0±1	1
Band66	15MHz	16QAM	132322	38RB#0	22.45	22.0±1	1
Band66	15MHz	16QAM	132322	38RB#18	22.44	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	15MHz	16QAM	132322	38RB#37	22.44	22.0±1	1
Band66	15MHz	16QAM	132322	75RB#0	21.44	22.0±1	1
Band66	15MHz	16QAM	132597	1RB#0	22.59	22.0±1	1
Band66	15MHz	16QAM	132597	1RB#38	22.76	23.0±1	/
Band66	15MHz	16QAM	132597	1RB#74	22.58	22.0±1	1
Band66	15MHz	16QAM	132597	38RB#0	22.65	23.0±1	/
Band66	15MHz	16QAM	132597	38RB#18	22.65	23.0±1	/
Band66	15MHz	16QAM	132597	38RB#37	22.66	23.0±1	/
Band66	15MHz	16QAM	132597	75RB#0	21.64	22.0±1	1
Band66	20MHz	QPSK	132072	1RB#0	23.00	23.0±1	/
Band66	20MHz	QPSK	132072	1RB#49	23.33	23.0±1	/
Band66	20MHz	QPSK	132072	1RB#99	23.01	23.0±1	/
Band66	20MHz	QPSK	132072	50RB#0	22.20	22.0±1	1
Band66	20MHz	QPSK	132072	50RB#25	22.22	22.0±1	1
Band66	20MHz	QPSK	132072	50RB#50	22.31	22.0±1	1
Band66	20MHz	QPSK	132072	100RB#0	22.23	22.0±1	1
Band66	20MHz	QPSK	132322	1RB#0	23.08	23.0±1	/
Band66	20MHz	QPSK	132322	1RB#49	23.50	23.0±1	/
Band66	20MHz	QPSK	132322	1RB#99	23.10	23.0±1	/
Band66	20MHz	QPSK	132322	50RB#0	22.55	22.0±1	1
Band66	20MHz	QPSK	132322	50RB#25	22.54	22.0±1	1
Band66	20MHz	QPSK	132322	50RB#50	22.45	22.0±1	1
Band66	20MHz	QPSK	132322	100RB#0	22.53	22.0±1	1
Band66	20MHz	QPSK	132572	1RB#0	23.32	23.0±1	/
Band66	20MHz	QPSK	132572	1RB#49	23.80	23.0±1	/
Band66	20MHz	QPSK	132572	1RB#99	23.36	23.0±1	/
Band66	20MHz	QPSK	132572	50RB#0	22.76	23.0±1	/
Band66	20MHz	QPSK	132572	50RB#25	22.74	23.0±1	/
Band66	20MHz	QPSK	132572	50RB#50	22.53	22.0±1	1
Band66	20MHz	QPSK	132572	100RB#0	22.65	23.0±1	/
Band66	20MHz	16QAM	132072	1RB#0	22.22	22.0±1	1
Band66	20MHz	16QAM	132072	1RB#49	22.56	22.0±1	1
Band66	20MHz	16QAM	132072	1RB#99	22.16	22.0±1	1
Band66	20MHz	16QAM	132072	50RB#0	21.22	22.0±1	1
Band66	20MHz	16QAM	132072	50RB#25	21.21	22.0±1	1
Band66	20MHz	16QAM	132072	50RB#50	21.35	22.0±1	1
Band66	20MHz	16QAM	132072	100RB#0	21.26	22.0±1	1
Band66	20MHz	16QAM	132322	1RB#0	22.12	22.0±1	1
Band66	20MHz	16QAM	132322	1RB#49	22.59	22.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	20MHz	16QAM	132322	1RB#99	22.12	22.0±1	1
Band66	20MHz	16QAM	132322	50RB#0	21.60	22.0±1	1
Band66	20MHz	16QAM	132322	50RB#25	21.59	22.0±1	1
Band66	20MHz	16QAM	132322	50RB#50	21.49	22.0±1	1
Band66	20MHz	16QAM	132322	100RB#0	21.51	22.0±1	1
Band66	20MHz	16QAM	132572	1RB#0	22.30	22.0±1	1
Band66	20MHz	16QAM	132572	1RB#49	22.77	23.0±1	/
Band66	20MHz	16QAM	132572	1RB#99	22.28	22.0±1	1
Band66	20MHz	16QAM	132572	50RB#0	21.81	22.0±1	1
Band66	20MHz	16QAM	132572	50RB#25	21.74	22.0±1	1
Band66	20MHz	16QAM	132572	50RB#50	21.54	22.0±1	1
Band66	20MHz	16QAM	132572	100RB#0	21.69	22.0±1	1
Band71	5MHz	QPSK	133147	1RB#0	22.59	22.0±1	/
Band71	5MHz	QPSK	133147	1RB#12	22.60	22.0±1	/
Band71	5MHz	QPSK	133147	1RB#24	22.50	22.0±1	/
Band71	5MHz	QPSK	133147	12RB#0	21.50	21.0±1	1
Band71	5MHz	QPSK	133147	12RB#6	21.51	21.0±1	1
Band71	5MHz	QPSK	133147	12RB#13	21.52	21.0±1	1
Band71	5MHz	QPSK	133147	25RB#0	21.52	21.0±1	1
Band71	5MHz	QPSK	133297	1RB#0	22.40	22.0±1	/
Band71	5MHz	QPSK	133297	1RB#12	22.55	22.0±1	/
Band71	5MHz	QPSK	133297	1RB#24	22.43	22.0±1	/
Band71	5MHz	QPSK	133297	12RB#0	21.41	21.0±1	1
Band71	5MHz	QPSK	133297	12RB#6	21.47	21.0±1	1
Band71	5MHz	QPSK	133297	12RB#13	21.47	21.0±1	1
Band71	5MHz	QPSK	133297	25RB#0	21.44	21.0±1	1
Band71	5MHz	QPSK	133447	1RB#0	22.56	22.0±1	/
Band71	5MHz	QPSK	133447	1RB#12	22.65	22.0±1	/
Band71	5MHz	QPSK	133447	1RB#24	22.48	22.0±1	/
Band71	5MHz	QPSK	133447	12RB#0	21.50	21.0±1	1
Band71	5MHz	QPSK	133447	12RB#6	21.50	21.0±1	1
Band71	5MHz	QPSK	133447	12RB#13	21.50	21.0±1	1
Band71	5MHz	QPSK	133447	25RB#0	21.53	21.0±1	1
Band71	5MHz	16QAM	133147	1RB#0	21.54	21.0±1	1
Band71	5MHz	16QAM	133147	1RB#12	21.60	21.0±1	1
Band71	5MHz	16QAM	133147	1RB#24	21.49	21.0±1	1
Band71	5MHz	16QAM	133147	12RB#0	20.42	21.0±1	1
Band71	5MHz	16QAM	133147	12RB#6	20.43	21.0±1	1
Band71	5MHz	16QAM	133147	12RB#13	20.43	21.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band71	5MHz	16QAM	133147	25RB#0	20.49	21.0±1	1
Band71	5MHz	16QAM	133297	1RB#0	21.59	21.0±1	1
Band71	5MHz	16QAM	133297	1RB#12	21.76	22.0±1	/
Band71	5MHz	16QAM	133297	1RB#24	21.62	22.0±1	/
Band71	5MHz	16QAM	133297	12RB#0	20.42	21.0±1	1
Band71	5MHz	16QAM	133297	12RB#6	20.46	21.0±1	1
Band71	5MHz	16QAM	133297	12RB#13	20.41	21.0±1	1
Band71	5MHz	16QAM	133297	25RB#0	20.40	21.0±1	1
Band71	5MHz	16QAM	133447	1RB#0	21.47	21.0±1	1
Band71	5MHz	16QAM	133447	1RB#12	21.55	21.0±1	1
Band71	5MHz	16QAM	133447	1RB#24	21.44	21.0±1	1
Band71	5MHz	16QAM	133447	12RB#0	20.44	21.0±1	1
Band71	5MHz	16QAM	133447	12RB#6	20.46	21.0±1	1
Band71	5MHz	16QAM	133447	12RB#13	20.51	21.0±1	1
Band71	5MHz	16QAM	133447	25RB#0	20.47	21.0±1	1
Band71	10MHz	QPSK	133172	1RB#0	22.52	22.0±1	/
Band71	10MHz	QPSK	133172	1RB#24	22.57	22.0±1	/
Band71	10MHz	QPSK	133172	1RB#49	22.46	22.0±1	/
Band71	10MHz	QPSK	133172	25RB#0	21.52	21.0±1	1
Band71	10MHz	QPSK	133172	25RB#12	21.52	21.0±1	1
Band71	10MHz	QPSK	133172	25RB#25	21.56	21.0±1	1
Band71	10MHz	QPSK	133172	50RB#0	21.54	21.0±1	1
Band71	10MHz	QPSK	133297	1RB#0	22.46	22.0±1	/
Band71	10MHz	QPSK	133297	1RB#24	22.60	22.0±1	/
Band71	10MHz	QPSK	133297	1RB#49	22.54	22.0±1	/
Band71	10MHz	QPSK	133297	25RB#0	21.49	21.0±1	1
Band71	10MHz	QPSK	133297	25RB#12	21.50	21.0±1	1
Band71	10MHz	QPSK	133297	25RB#25	21.50	21.0±1	1
Band71	10MHz	QPSK	133297	50RB#0	21.52	21.0±1	1
Band71	10MHz	QPSK	133422	1RB#0	22.48	22.0±1	/
Band71	10MHz	QPSK	133422	1RB#24	22.59	22.0±1	/
Band71	10MHz	QPSK	133422	1RB#49	22.48	22.0±1	/
Band71	10MHz	QPSK	133422	25RB#0	21.60	21.0±1	1
Band71	10MHz	QPSK	133422	25RB#12	21.56	21.0±1	1
Band71	10MHz	QPSK	133422	25RB#25	21.52	21.0±1	1
Band71	10MHz	QPSK	133422	50RB#0	21.50	21.0±1	1
Band71	10MHz	16QAM	133172	1RB#0	21.65	22.0±1	/
Band71	10MHz	16QAM	133172	1RB#24	21.81	22.0±1	/
Band71	10MHz	16QAM	133172	1RB#49	21.59	21.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band71	10MHz	16QAM	133172	25RB#0	20.53	21.0±1	1
Band71	10MHz	16QAM	133172	25RB#12	20.50	21.0±1	1
Band71	10MHz	16QAM	133172	25RB#25	20.56	21.0±1	1
Band71	10MHz	16QAM	133172	50RB#0	20.51	21.0±1	1
Band71	10MHz	16QAM	133297	1RB#0	21.37	21.0±1	1
Band71	10MHz	16QAM	133297	1RB#24	21.50	21.0±1	1
Band71	10MHz	16QAM	133297	1RB#49	21.43	21.0±1	1
Band71	10MHz	16QAM	133297	25RB#0	20.49	21.0±1	1
Band71	10MHz	16QAM	133297	25RB#12	20.48	21.0±1	1
Band71	10MHz	16QAM	133297	25RB#25	20.53	21.0±1	1
Band71	10MHz	16QAM	133297	50RB#0	20.45	21.0±1	1
Band71	10MHz	16QAM	133422	1RB#0	21.61	22.0±1	/
Band71	10MHz	16QAM	133422	1RB#24	21.68	22.0±1	/
Band71	10MHz	16QAM	133422	1RB#49	21.65	22.0±1	/
Band71	10MHz	16QAM	133422	25RB#0	20.58	21.0±1	1
Band71	10MHz	16QAM	133422	25RB#12	20.57	21.0±1	1
Band71	10MHz	16QAM	133422	25RB#25	20.47	21.0±1	1
Band71	10MHz	16QAM	133422	50RB#0	20.58	21.0±1	1
Band71	15MHz	QPSK	133197	1RB#0	22.48	22.0±1	/
Band71	15MHz	QPSK	133197	1RB#38	22.54	22.0±1	/
Band71	15MHz	QPSK	133197	1RB#74	22.37	22.0±1	/
Band71	15MHz	QPSK	133197	38RB#0	21.70	22.0±1	/
Band71	15MHz	QPSK	133197	38RB#18	21.83	22.0±1	/
Band71	15MHz	QPSK	133197	38RB#37	21.63	22.0±1	/
Band71	15MHz	QPSK	133197	75RB#0	21.46	21.0±1	1
Band71	15MHz	QPSK	133297	1RB#0	22.44	22.0±1	/
Band71	15MHz	QPSK	133297	1RB#38	22.52	22.0±1	/
Band71	15MHz	QPSK	133297	1RB#74	22.43	22.0±1	/
Band71	15MHz	QPSK	133297	38RB#0	21.32	21.0±1	1
Band71	15MHz	QPSK	133297	38RB#18	21.39	21.0±1	1
Band71	15MHz	QPSK	133297	38RB#37	21.30	21.0±1	1
Band71	15MHz	QPSK	133297	75RB#0	21.44	21.0±1	1
Band71	15MHz	QPSK	133397	1RB#0	22.42	22.0±1	/
Band71	15MHz	QPSK	133397	1RB#38	22.44	22.0±1	/
Band71	15MHz	QPSK	133397	1RB#74	22.48	22.0±1	/
Band71	15MHz	QPSK	133397	38RB#0	21.59	21.0±1	1
Band71	15MHz	QPSK	133397	38RB#18	21.63	22.0±1	/
Band71	15MHz	QPSK	133397	38RB#37	21.64	22.0±1	/
Band71	15MHz	QPSK	133397	75RB#0	21.47	21.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band71	15MHz	16QAM	133197	1RB#0	21.76	22.0±1	/
Band71	15MHz	16QAM	133197	1RB#38	21.77	22.0±1	/
Band71	15MHz	16QAM	133197	1RB#74	21.59	21.0±1	1
Band71	15MHz	16QAM	133197	38RB#0	21.76	22.0±1	/
Band71	15MHz	16QAM	133197	38RB#18	21.74	22.0±1	/
Band71	15MHz	16QAM	133197	38RB#37	21.66	22.0±1	/
Band71	15MHz	16QAM	133197	75RB#0	20.50	21.0±1	1
Band71	15MHz	16QAM	133297	1RB#0	21.35	21.0±1	1
Band71	15MHz	16QAM	133297	1RB#38	21.39	21.0±1	1
Band71	15MHz	16QAM	133297	1RB#74	21.34	21.0±1	1
Band71	15MHz	16QAM	133297	38RB#0	21.37	21.0±1	1
Band71	15MHz	16QAM	133297	38RB#18	21.42	21.0±1	1
Band71	15MHz	16QAM	133297	38RB#37	21.31	21.0±1	1
Band71	15MHz	16QAM	133297	75RB#0	20.47	21.0±1	1
Band71	15MHz	16QAM	133397	1RB#0	21.59	21.0±1	1
Band71	15MHz	16QAM	133397	1RB#38	21.66	22.0±1	/
Band71	15MHz	16QAM	133397	1RB#74	21.64	22.0±1	/
Band71	15MHz	16QAM	133397	38RB#0	21.58	21.0±1	1
Band71	15MHz	16QAM	133397	38RB#18	21.57	21.0±1	1
Band71	15MHz	16QAM	133397	38RB#37	21.61	22.0±1	/
Band71	15MHz	16QAM	133397	75RB#0	20.41	21.0±1	1
Band71	20MHz	QPSK	133222	1RB#0	22.44	22.0±1	/
Band71	20MHz	QPSK	133222	1RB#49	22.62	22.0±1	/
Band71	20MHz	QPSK	133222	1RB#99	22.30	22.0±1	/
Band71	20MHz	QPSK	133222	50RB#0	21.44	21.0±1	1
Band71	20MHz	QPSK	133222	50RB#25	21.40	21.0±1	1
Band71	20MHz	QPSK	133222	50RB#50	21.42	21.0±1	1
Band71	20MHz	QPSK	133222	100RB#0	21.37	21.0±1	1
Band71	20MHz	QPSK	133322	1RB#0	22.19	22.0±1	/
Band71	20MHz	QPSK	133322	1RB#49	22.53	22.0±1	/
Band71	20MHz	QPSK	133322	1RB#99	22.22	22.0±1	/
Band71	20MHz	QPSK	133322	50RB#0	21.48	21.0±1	1
Band71	20MHz	QPSK	133322	50RB#25	21.49	21.0±1	1
Band71	20MHz	QPSK	133322	50RB#50	21.41	21.0±1	1
Band71	20MHz	QPSK	133322	100RB#0	21.38	21.0±1	1
Band71	20MHz	QPSK	133372	1RB#0	22.37	22.0±1	/
Band71	20MHz	QPSK	133372	1RB#49	22.66	22.0±1	/
Band71	20MHz	QPSK	133372	1RB#99	22.37	22.0±1	/
Band71	20MHz	QPSK	133372	50RB#0	21.43	21.0±1	1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band71	20MHz	QPSK	133372	50RB#25	21.43	21.0±1	1
Band71	20MHz	QPSK	133372	50RB#50	21.38	21.0±1	1
Band71	20MHz	QPSK	133372	100RB#0	21.39	21.0±1	1
Band71	20MHz	16QAM	133222	1RB#0	21.59	21.0±1	1
Band71	20MHz	16QAM	133222	1RB#49	21.82	22.0±1	/
Band71	20MHz	16QAM	133222	1RB#99	21.44	21.0±1	1
Band71	20MHz	16QAM	133222	50RB#0	20.41	21.0±1	1
Band71	20MHz	16QAM	133222	50RB#25	20.43	21.0±1	1
Band71	20MHz	16QAM	133222	50RB#50	20.39	21.0±1	1
Band71	20MHz	16QAM	133222	100RB#0	20.37	21.0±1	1
Band71	20MHz	16QAM	133322	1RB#0	21.23	21.0±1	1
Band71	20MHz	16QAM	133322	1RB#49	21.56	21.0±1	1
Band71	20MHz	16QAM	133322	1RB#99	21.28	21.0±1	1
Band71	20MHz	16QAM	133322	50RB#0	20.51	21.0±1	1
Band71	20MHz	16QAM	133322	50RB#25	20.49	21.0±1	1
Band71	20MHz	16QAM	133322	50RB#50	20.49	21.0±1	1
Band71	20MHz	16QAM	133322	100RB#0	20.40	21.0±1	1
Band71	20MHz	16QAM	133372	1RB#0	21.35	21.0±1	1
Band71	20MHz	16QAM	133372	1RB#49	21.63	22.0±1	/
Band71	20MHz	16QAM	133372	1RB#99	21.36	21.0±1	1
Band71	20MHz	16QAM	133372	50RB#0	20.38	21.0±1	1
Band71	20MHz	16QAM	133372	50RB#25	20.34	21.0±1	1
Band71	20MHz	16QAM	133372	50RB#50	20.33	21.0±1	1
Band71	20MHz	16QAM	133372	100RB#0	20.34	21.0±1	1

LTE Reduced Power Measured Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	1.4MHz	QPSK	18607	1RB#0	13.34	13.0±1	/
Band2	1.4MHz	QPSK	18607	1RB#2	13.41	13.0±1	/
Band2	1.4MHz	QPSK	18607	1RB#5	13.30	13.0±1	/
Band2	1.4MHz	QPSK	18607	3RB#0	13.30	13.0±1	/
Band2	1.4MHz	QPSK	18607	3RB#1	13.32	13.0±1	/
Band2	1.4MHz	QPSK	18607	3RB#3	13.28	13.0±1	/
Band2	1.4MHz	QPSK	18607	6RB#0	13.43	13.0±1	/
Band2	1.4MHz	QPSK	18900	1RB#0	12.98	13.0±1	/
Band2	1.4MHz	QPSK	18900	1RB#2	13.08	13.0±1	/
Band2	1.4MHz	QPSK	18900	1RB#5	13.03	13.0±1	/
Band2	1.4MHz	QPSK	18900	3RB#0	13.05	13.0±1	/
Band2	1.4MHz	QPSK	18900	3RB#1	13.03	13.0±1	/
Band2	1.4MHz	QPSK	18900	3RB#3	13.08	13.0±1	/
Band2	1.4MHz	QPSK	18900	6RB#0	13.10	13.0±1	/
Band2	1.4MHz	QPSK	19193	1RB#0	12.97	13.0±1	/
Band2	1.4MHz	QPSK	19193	1RB#2	13.16	13.0±1	/
Band2	1.4MHz	QPSK	19193	1RB#5	12.97	13.0±1	/
Band2	1.4MHz	QPSK	19193	3RB#0	12.98	13.0±1	/
Band2	1.4MHz	QPSK	19193	3RB#1	12.98	13.0±1	/
Band2	1.4MHz	QPSK	19193	3RB#3	13.01	13.0±1	/
Band2	1.4MHz	QPSK	19193	6RB#0	13.07	13.0±1	/
Band2	1.4MHz	16QAM	18607	1RB#0	13.24	13.0±1	/
Band2	1.4MHz	16QAM	18607	1RB#2	13.42	13.0±1	/
Band2	1.4MHz	16QAM	18607	1RB#5	13.30	13.0±1	/
Band2	1.4MHz	16QAM	18607	3RB#0	13.08	13.0±1	/
Band2	1.4MHz	16QAM	18607	3RB#1	13.08	13.0±1	/
Band2	1.4MHz	16QAM	18607	3RB#3	13.13	13.0±1	/
Band2	1.4MHz	16QAM	18607	6RB#0	13.37	13.0±1	/
Band2	1.4MHz	16QAM	18900	1RB#0	13.07	13.0±1	/
Band2	1.4MHz	16QAM	18900	1RB#2	13.16	13.0±1	/
Band2	1.4MHz	16QAM	18900	1RB#5	13.05	13.0±1	/
Band2	1.4MHz	16QAM	18900	3RB#0	12.88	13.0±1	/
Band2	1.4MHz	16QAM	18900	3RB#1	12.87	13.0±1	/
Band2	1.4MHz	16QAM	18900	3RB#3	12.89	13.0±1	/
Band2	1.4MHz	16QAM	18900	6RB#0	12.93	13.0±1	/
Band2	1.4MHz	16QAM	19193	1RB#0	12.83	13.0±1	/
Band2	1.4MHz	16QAM	19193	1RB#2	13.03	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	1.4MHz	16QAM	19193	1RB#5	12.83	13.0±1	/
Band2	1.4MHz	16QAM	19193	3RB#0	12.78	13.0±1	/
Band2	1.4MHz	16QAM	19193	3RB#1	12.79	13.0±1	/
Band2	1.4MHz	16QAM	19193	3RB#3	12.79	13.0±1	/
Band2	1.4MHz	16QAM	19193	6RB#0	13.05	13.0±1	/
Band2	3MHz	QPSK	18615	1RB#0	13.27	13.0±1	/
Band2	3MHz	QPSK	18615	1RB#8	13.25	13.0±1	/
Band2	3MHz	QPSK	18615	1RB#14	13.27	13.0±1	/
Band2	3MHz	QPSK	18615	8RB#0	13.31	13.0±1	/
Band2	3MHz	QPSK	18615	8RB#4	13.28	13.0±1	/
Band2	3MHz	QPSK	18615	8RB#7	13.36	13.0±1	/
Band2	3MHz	QPSK	18615	15RB#0	13.25	13.0±1	/
Band2	3MHz	QPSK	18900	1RB#0	13.00	13.0±1	/
Band2	3MHz	QPSK	18900	1RB#8	13.02	13.0±1	/
Band2	3MHz	QPSK	18900	1RB#14	12.99	13.0±1	/
Band2	3MHz	QPSK	18900	8RB#0	13.02	13.0±1	/
Band2	3MHz	QPSK	18900	8RB#4	12.99	13.0±1	/
Band2	3MHz	QPSK	18900	8RB#7	13.03	13.0±1	/
Band2	3MHz	QPSK	18900	15RB#0	12.97	13.0±1	/
Band2	3MHz	QPSK	19185	1RB#0	13.00	13.0±1	/
Band2	3MHz	QPSK	19185	1RB#8	13.02	13.0±1	/
Band2	3MHz	QPSK	19185	1RB#14	13.00	13.0±1	/
Band2	3MHz	QPSK	19185	8RB#0	13.01	13.0±1	/
Band2	3MHz	QPSK	19185	8RB#4	13.01	13.0±1	/
Band2	3MHz	QPSK	19185	8RB#7	13.04	13.0±1	/
Band2	3MHz	QPSK	19185	15RB#0	12.97	13.0±1	/
Band2	3MHz	16QAM	18615	1RB#0	13.36	13.0±1	/
Band2	3MHz	16QAM	18615	1RB#8	13.35	13.0±1	/
Band2	3MHz	16QAM	18615	1RB#14	13.33	13.0±1	/
Band2	3MHz	16QAM	18615	8RB#0	13.25	13.0±1	/
Band2	3MHz	16QAM	18615	8RB#4	13.24	13.0±1	/
Band2	3MHz	16QAM	18615	8RB#7	13.32	13.0±1	/
Band2	3MHz	16QAM	18615	15RB#0	13.22	13.0±1	/
Band2	3MHz	16QAM	18900	1RB#0	13.11	13.0±1	/
Band2	3MHz	16QAM	18900	1RB#8	13.06	13.0±1	/
Band2	3MHz	16QAM	18900	1RB#14	13.09	13.0±1	/
Band2	3MHz	16QAM	18900	8RB#0	12.98	13.0±1	/
Band2	3MHz	16QAM	18900	8RB#4	12.97	13.0±1	/
Band2	3MHz	16QAM	18900	8RB#7	13.06	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	3MHz	16QAM	18900	15RB#0	12.91	13.0±1	/
Band2	3MHz	16QAM	19185	1RB#0	12.81	13.0±1	/
Band2	3MHz	16QAM	19185	1RB#8	12.87	13.0±1	/
Band2	3MHz	16QAM	19185	1RB#14	12.87	13.0±1	/
Band2	3MHz	16QAM	19185	8RB#0	12.93	13.0±1	/
Band2	3MHz	16QAM	19185	8RB#4	12.91	13.0±1	/
Band2	3MHz	16QAM	19185	8RB#7	13.00	13.0±1	/
Band2	3MHz	16QAM	19185	15RB#0	12.82	13.0±1	/
Band2	5MHz	QPSK	18625	1RB#0	13.27	13.0±1	/
Band2	5MHz	QPSK	18625	1RB#12	13.32	13.0±1	/
Band2	5MHz	QPSK	18625	1RB#24	13.23	13.0±1	/
Band2	5MHz	QPSK	18625	12RB#0	13.16	13.0±1	/
Band2	5MHz	QPSK	18625	12RB#6	13.19	13.0±1	/
Band2	5MHz	QPSK	18625	12RB#13	13.38	13.0±1	/
Band2	5MHz	QPSK	18625	25RB#0	13.32	13.0±1	/
Band2	5MHz	QPSK	18900	1RB#0	12.92	13.0±1	/
Band2	5MHz	QPSK	18900	1RB#12	13.09	13.0±1	/
Band2	5MHz	QPSK	18900	1RB#24	12.94	13.0±1	/
Band2	5MHz	QPSK	18900	12RB#0	12.97	13.0±1	/
Band2	5MHz	QPSK	18900	12RB#6	12.93	13.0±1	/
Band2	5MHz	QPSK	18900	12RB#13	13.10	13.0±1	/
Band2	5MHz	QPSK	18900	25RB#0	13.00	13.0±1	/
Band2	5MHz	QPSK	19175	1RB#0	12.95	13.0±1	/
Band2	5MHz	QPSK	19175	1RB#12	13.11	13.0±1	/
Band2	5MHz	QPSK	19175	1RB#24	12.98	13.0±1	/
Band2	5MHz	QPSK	19175	12RB#0	12.97	13.0±1	/
Band2	5MHz	QPSK	19175	12RB#6	12.98	13.0±1	/
Band2	5MHz	QPSK	19175	12RB#13	13.05	13.0±1	/
Band2	5MHz	QPSK	19175	25RB#0	12.98	13.0±1	/
Band2	5MHz	16QAM	18625	1RB#0	13.17	13.0±1	/
Band2	5MHz	16QAM	18625	1RB#12	13.30	13.0±1	/
Band2	5MHz	16QAM	18625	1RB#24	13.16	13.0±1	/
Band2	5MHz	16QAM	18625	12RB#0	13.06	13.0±1	/
Band2	5MHz	16QAM	18625	12RB#6	13.05	13.0±1	/
Band2	5MHz	16QAM	18625	12RB#13	13.37	13.0±1	/
Band2	5MHz	16QAM	18625	25RB#0	13.26	13.0±1	/
Band2	5MHz	16QAM	18900	1RB#0	13.05	13.0±1	/
Band2	5MHz	16QAM	18900	1RB#12	13.23	13.0±1	/
Band2	5MHz	16QAM	18900	1RB#24	13.10	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	5MHz	16QAM	18900	12RB#0	12.94	13.0±1	/
Band2	5MHz	16QAM	18900	12RB#6	12.91	13.0±1	/
Band2	5MHz	16QAM	18900	12RB#13	13.00	13.0±1	/
Band2	5MHz	16QAM	18900	25RB#0	12.99	13.0±1	/
Band2	5MHz	16QAM	19175	1RB#0	12.81	13.0±1	/
Band2	5MHz	16QAM	19175	1RB#12	13.03	13.0±1	/
Band2	5MHz	16QAM	19175	1RB#24	12.91	13.0±1	/
Band2	5MHz	16QAM	19175	12RB#0	12.82	13.0±1	/
Band2	5MHz	16QAM	19175	12RB#6	12.85	13.0±1	/
Band2	5MHz	16QAM	19175	12RB#13	12.98	13.0±1	/
Band2	5MHz	16QAM	19175	25RB#0	12.93	13.0±1	/
Band2	10MHz	QPSK	18650	1RB#0	13.24	13.0±1	/
Band2	10MHz	QPSK	18650	1RB#24	13.26	13.0±1	/
Band2	10MHz	QPSK	18650	1RB#49	13.07	13.0±1	/
Band2	10MHz	QPSK	18650	25RB#0	13.03	13.0±1	/
Band2	10MHz	QPSK	18650	25RB#12	13.03	13.0±1	/
Band2	10MHz	QPSK	18650	25RB#25	13.46	13.0±1	/
Band2	10MHz	QPSK	18650	50RB#0	13.26	13.0±1	/
Band2	10MHz	QPSK	18900	1RB#0	12.99	13.0±1	/
Band2	10MHz	QPSK	18900	1RB#24	13.12	13.0±1	/
Band2	10MHz	QPSK	18900	1RB#49	12.93	13.0±1	/
Band2	10MHz	QPSK	18900	25RB#0	12.93	13.0±1	/
Band2	10MHz	QPSK	18900	25RB#12	12.96	13.0±1	/
Band2	10MHz	QPSK	18900	25RB#25	13.18	13.0±1	/
Band2	10MHz	QPSK	18900	50RB#0	13.04	13.0±1	/
Band2	10MHz	QPSK	19150	1RB#0	12.95	13.0±1	/
Band2	10MHz	QPSK	19150	1RB#24	13.03	13.0±1	/
Band2	10MHz	QPSK	19150	1RB#49	12.91	13.0±1	/
Band2	10MHz	QPSK	19150	25RB#0	13.07	13.0±1	/
Band2	10MHz	QPSK	19150	25RB#12	13.08	13.0±1	/
Band2	10MHz	QPSK	19150	25RB#25	13.01	13.0±1	/
Band2	10MHz	QPSK	19150	50RB#0	12.98	13.0±1	/
Band2	10MHz	16QAM	18650	1RB#0	13.35	13.0±1	/
Band2	10MHz	16QAM	18650	1RB#24	13.46	13.0±1	/
Band2	10MHz	16QAM	18650	1RB#49	13.23	13.0±1	/
Band2	10MHz	16QAM	18650	25RB#0	12.98	13.0±1	/
Band2	10MHz	16QAM	18650	25RB#12	12.98	13.0±1	/
Band2	10MHz	16QAM	18650	25RB#25	13.38	13.0±1	/
Band2	10MHz	16QAM	18650	50RB#0	13.25	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	10MHz	16QAM	18900	1RB#0	13.02	13.0±1	/
Band2	10MHz	16QAM	18900	1RB#24	13.25	13.0±1	/
Band2	10MHz	16QAM	18900	1RB#49	13.05	13.0±1	/
Band2	10MHz	16QAM	18900	25RB#0	12.90	13.0±1	/
Band2	10MHz	16QAM	18900	25RB#12	12.90	13.0±1	/
Band2	10MHz	16QAM	18900	25RB#25	13.14	13.0±1	/
Band2	10MHz	16QAM	18900	50RB#0	13.00	13.0±1	/
Band2	10MHz	16QAM	19150	1RB#0	12.86	13.0±1	/
Band2	10MHz	16QAM	19150	1RB#24	12.84	13.0±1	/
Band2	10MHz	16QAM	19150	1RB#49	12.84	13.0±1	/
Band2	10MHz	16QAM	19150	25RB#0	12.90	13.0±1	/
Band2	10MHz	16QAM	19150	25RB#12	12.91	13.0±1	/
Band2	10MHz	16QAM	19150	25RB#25	12.94	13.0±1	/
Band2	10MHz	16QAM	19150	50RB#0	12.86	13.0±1	/
Band2	15MHz	QPSK	18675	1RB#0	13.18	13.0±1	/
Band2	15MHz	QPSK	18675	1RB#38	13.21	13.0±1	/
Band2	15MHz	QPSK	18675	1RB#74	12.92	13.0±1	/
Band2	15MHz	QPSK	18675	38RB#0	13.13	13.0±1	/
Band2	15MHz	QPSK	18675	38RB#18	13.15	13.0±1	/
Band2	15MHz	QPSK	18675	38RB#37	13.13	13.0±1	/
Band2	15MHz	QPSK	18675	75RB#0	13.15	13.0±1	/
Band2	15MHz	QPSK	18900	1RB#0	13.02	13.0±1	/
Band2	15MHz	QPSK	18900	1RB#38	13.08	13.0±1	/
Band2	15MHz	QPSK	18900	1RB#74	12.82	13.0±1	/
Band2	15MHz	QPSK	18900	38RB#0	13.17	13.0±1	/
Band2	15MHz	QPSK	18900	38RB#18	13.13	13.0±1	/
Band2	15MHz	QPSK	18900	38RB#37	13.12	13.0±1	/
Band2	15MHz	QPSK	18900	75RB#0	13.14	13.0±1	/
Band2	15MHz	QPSK	19125	1RB#0	12.85	13.0±1	/
Band2	15MHz	QPSK	19125	1RB#38	13.03	13.0±1	/
Band2	15MHz	QPSK	19125	1RB#74	12.83	13.0±1	/
Band2	15MHz	QPSK	19125	38RB#0	13.25	13.0±1	/
Band2	15MHz	QPSK	19125	38RB#18	13.21	13.0±1	/
Band2	15MHz	QPSK	19125	38RB#37	13.24	13.0±1	/
Band2	15MHz	QPSK	19125	75RB#0	13.25	13.0±1	/
Band2	15MHz	16QAM	18675	1RB#0	13.25	13.0±1	/
Band2	15MHz	16QAM	18675	1RB#38	13.38	13.0±1	/
Band2	15MHz	16QAM	18675	1RB#74	12.92	13.0±1	/
Band2	15MHz	16QAM	18675	38RB#0	13.13	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	15MHz	16QAM	18675	38RB#18	13.10	13.0±1	/
Band2	15MHz	16QAM	18675	38RB#37	13.12	13.0±1	/
Band2	15MHz	16QAM	18675	75RB#0	13.02	13.0±1	/
Band2	15MHz	16QAM	18900	1RB#0	13.07	13.0±1	/
Band2	15MHz	16QAM	18900	1RB#38	13.25	13.0±1	/
Band2	15MHz	16QAM	18900	1RB#74	13.05	13.0±1	/
Band2	15MHz	16QAM	18900	38RB#0	13.12	13.0±1	/
Band2	15MHz	16QAM	18900	38RB#18	13.18	13.0±1	/
Band2	15MHz	16QAM	18900	38RB#37	13.16	13.0±1	/
Band2	15MHz	16QAM	18900	75RB#0	13.07	13.0±1	/
Band2	15MHz	16QAM	19125	1RB#0	12.74	13.0±1	/
Band2	15MHz	16QAM	19125	1RB#38	12.89	13.0±1	/
Band2	15MHz	16QAM	19125	1RB#74	12.67	13.0±1	/
Band2	15MHz	16QAM	19125	38RB#0	13.24	13.0±1	/
Band2	15MHz	16QAM	19125	38RB#18	13.23	13.0±1	/
Band2	15MHz	16QAM	19125	38RB#37	13.23	13.0±1	/
Band2	15MHz	16QAM	19125	75RB#0	13.05	13.0±1	/
Band2	20MHz	QPSK	18700	1RB#0	12.78	13.0±1	/
Band2	20MHz	QPSK	18700	1RB#49	13.33	13.0±1	/
Band2	20MHz	QPSK	18700	1RB#99	12.87	13.0±1	/
Band2	20MHz	QPSK	18700	50RB#0	12.75	13.0±1	/
Band2	20MHz	QPSK	18700	50RB#25	12.76	13.0±1	/
Band2	20MHz	QPSK	18700	50RB#50	12.74	13.0±1	/
Band2	20MHz	QPSK	18700	100RB#0	12.78	13.0±1	/
Band2	20MHz	QPSK	18900	1RB#0	12.77	13.0±1	/
Band2	20MHz	QPSK	18900	1RB#49	13.10	13.0±1	/
Band2	20MHz	QPSK	18900	1RB#99	12.61	13.0±1	/
Band2	20MHz	QPSK	18900	50RB#0	12.98	13.0±1	/
Band2	20MHz	QPSK	18900	50RB#25	13.00	13.0±1	/
Band2	20MHz	QPSK	18900	50RB#50	13.37	13.0±1	/
Band2	20MHz	QPSK	18900	100RB#0	13.29	13.0±1	/
Band2	20MHz	QPSK	19100	1RB#0	12.86	13.0±1	/
Band2	20MHz	QPSK	19100	1RB#49	13.36	13.0±1	/
Band2	20MHz	QPSK	19100	1RB#99	12.75	13.0±1	/
Band2	20MHz	QPSK	19100	50RB#0	13.50	13.0±1	/
Band2	20MHz	QPSK	19100	50RB#25	13.43	13.0±1	/
Band2	20MHz	QPSK	19100	50RB#50	12.80	13.0±1	/
Band2	20MHz	QPSK	19100	100RB#0	13.39	13.0±1	/
Band2	20MHz	16QAM	18700	1RB#0	13.14	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band2	20MHz	16QAM	18700	1RB#49	13.51	13.0±1	/
Band2	20MHz	16QAM	18700	1RB#99	12.79	13.0±1	/
Band2	20MHz	16QAM	18700	50RB#0	12.74	13.0±1	/
Band2	20MHz	16QAM	18700	50RB#25	12.74	13.0±1	/
Band2	20MHz	16QAM	18700	50RB#50	12.60	12.0±1	1
Band2	20MHz	16QAM	18700	100RB#0	12.67	13.0±1	/
Band2	20MHz	16QAM	18900	1RB#0	12.74	13.0±1	/
Band2	20MHz	16QAM	18900	1RB#49	13.15	13.0±1	/
Band2	20MHz	16QAM	18900	1RB#99	12.67	13.0±1	/
Band2	20MHz	16QAM	18900	50RB#0	12.94	13.0±1	/
Band2	20MHz	16QAM	18900	50RB#25	12.93	13.0±1	/
Band2	20MHz	16QAM	18900	50RB#50	13.46	13.0±1	/
Band2	20MHz	16QAM	18900	100RB#0	13.19	13.0±1	/
Band2	20MHz	16QAM	19100	1RB#0	12.82	13.0±1	/
Band2	20MHz	16QAM	19100	1RB#49	13.19	13.0±1	/
Band2	20MHz	16QAM	19100	1RB#99	12.75	13.0±1	/
Band2	20MHz	16QAM	19100	50RB#0	13.45	13.0±1	/
Band2	20MHz	16QAM	19100	50RB#25	13.46	13.0±1	/
Band2	20MHz	16QAM	19100	50RB#50	12.69	13.0±1	/
Band2	20MHz	16QAM	19100	100RB#0	13.31	13.0±1	/
Band4	1.4MHz	QPSK	19957	1RB#0	12.67	12.5±1	/
Band4	1.4MHz	QPSK	19957	1RB#2	12.80	12.5±1	/
Band4	1.4MHz	QPSK	19957	1RB#5	12.68	12.5±1	/
Band4	1.4MHz	QPSK	19957	3RB#0	12.73	12.5±1	/
Band4	1.4MHz	QPSK	19957	3RB#1	12.71	12.5±1	/
Band4	1.4MHz	QPSK	19957	3RB#3	12.73	12.5±1	/
Band4	1.4MHz	QPSK	19957	6RB#0	12.75	12.5±1	/
Band4	1.4MHz	QPSK	20175	1RB#0	12.77	12.5±1	/
Band4	1.4MHz	QPSK	20175	1RB#2	12.90	12.5±1	/
Band4	1.4MHz	QPSK	20175	1RB#5	12.78	12.5±1	/
Band4	1.4MHz	QPSK	20175	3RB#0	12.82	12.5±1	/
Band4	1.4MHz	QPSK	20175	3RB#1	12.83	12.5±1	/
Band4	1.4MHz	QPSK	20175	3RB#3	12.86	12.5±1	/
Band4	1.4MHz	QPSK	20175	6RB#0	12.83	12.5±1	/
Band4	1.4MHz	QPSK	20393	1RB#0	12.99	12.5±1	/
Band4	1.4MHz	QPSK	20393	1RB#2	13.09	12.5±1	/
Band4	1.4MHz	QPSK	20393	1RB#5	12.99	12.5±1	/
Band4	1.4MHz	QPSK	20393	3RB#0	13.01	12.5±1	/
Band4	1.4MHz	QPSK	20393	3RB#1	12.99	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	1.4MHz	QPSK	20393	3RB#3	13.03	12.5±1	/
Band4	1.4MHz	QPSK	20393	6RB#0	13.06	12.5±1	/
Band4	1.4MHz	16QAM	19957	1RB#0	12.80	12.5±1	/
Band4	1.4MHz	16QAM	19957	1RB#2	12.99	12.5±1	/
Band4	1.4MHz	16QAM	19957	1RB#5	12.78	12.5±1	/
Band4	1.4MHz	16QAM	19957	3RB#0	12.63	12.5±1	/
Band4	1.4MHz	16QAM	19957	3RB#1	12.62	12.5±1	/
Band4	1.4MHz	16QAM	19957	3RB#3	12.63	12.5±1	/
Band4	1.4MHz	16QAM	19957	6RB#0	12.81	12.5±1	/
Band4	1.4MHz	16QAM	20175	1RB#0	12.90	12.5±1	/
Band4	1.4MHz	16QAM	20175	1RB#2	13.03	12.5±1	/
Band4	1.4MHz	16QAM	20175	1RB#5	12.85	12.5±1	/
Band4	1.4MHz	16QAM	20175	3RB#0	12.72	12.5±1	/
Band4	1.4MHz	16QAM	20175	3RB#1	12.71	12.5±1	/
Band4	1.4MHz	16QAM	20175	3RB#3	12.69	12.5±1	/
Band4	1.4MHz	16QAM	20175	6RB#0	12.74	12.5±1	/
Band4	1.4MHz	16QAM	20393	1RB#0	12.84	12.5±1	/
Band4	1.4MHz	16QAM	20393	1RB#2	13.00	12.5±1	/
Band4	1.4MHz	16QAM	20393	1RB#5	12.76	12.5±1	/
Band4	1.4MHz	16QAM	20393	3RB#0	12.79	12.5±1	/
Band4	1.4MHz	16QAM	20393	3RB#1	12.78	12.5±1	/
Band4	1.4MHz	16QAM	20393	3RB#3	12.78	12.5±1	/
Band4	1.4MHz	16QAM	20393	6RB#0	12.96	12.5±1	/
Band4	3MHz	QPSK	19965	1RB#0	12.69	12.5±1	/
Band4	3MHz	QPSK	19965	1RB#8	12.72	12.5±1	/
Band4	3MHz	QPSK	19965	1RB#14	12.67	12.5±1	/
Band4	3MHz	QPSK	19965	8RB#0	12.72	12.5±1	/
Band4	3MHz	QPSK	19965	8RB#4	12.67	12.5±1	/
Band4	3MHz	QPSK	19965	8RB#7	12.73	12.5±1	/
Band4	3MHz	QPSK	19965	15RB#0	12.71	12.5±1	/
Band4	3MHz	QPSK	20175	1RB#0	12.79	12.5±1	/
Band4	3MHz	QPSK	20175	1RB#8	12.81	12.5±1	/
Band4	3MHz	QPSK	20175	1RB#14	12.83	12.5±1	/
Band4	3MHz	QPSK	20175	8RB#0	12.84	12.5±1	/
Band4	3MHz	QPSK	20175	8RB#4	12.83	12.5±1	/
Band4	3MHz	QPSK	20175	8RB#7	12.81	12.5±1	/
Band4	3MHz	QPSK	20175	15RB#0	12.81	12.5±1	/
Band4	3MHz	QPSK	20385	1RB#0	12.94	12.5±1	/
Band4	3MHz	QPSK	20385	1RB#8	12.98	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	3MHz	QPSK	20385	1RB#14	12.94	12.5±1	/
Band4	3MHz	QPSK	20385	8RB#0	12.97	12.5±1	/
Band4	3MHz	QPSK	20385	8RB#4	12.94	12.5±1	/
Band4	3MHz	QPSK	20385	8RB#7	12.94	12.5±1	/
Band4	3MHz	QPSK	20385	15RB#0	12.94	12.5±1	/
Band4	3MHz	16QAM	19965	1RB#0	12.87	12.5±1	/
Band4	3MHz	16QAM	19965	1RB#8	12.83	12.5±1	/
Band4	3MHz	16QAM	19965	1RB#14	12.84	12.5±1	/
Band4	3MHz	16QAM	19965	8RB#0	12.76	12.5±1	/
Band4	3MHz	16QAM	19965	8RB#4	12.73	12.5±1	/
Band4	3MHz	16QAM	19965	8RB#7	12.73	12.5±1	/
Band4	3MHz	16QAM	19965	15RB#0	12.68	12.5±1	/
Band4	3MHz	16QAM	20175	1RB#0	12.96	12.5±1	/
Band4	3MHz	16QAM	20175	1RB#8	12.92	12.5±1	/
Band4	3MHz	16QAM	20175	1RB#14	12.93	12.5±1	/
Band4	3MHz	16QAM	20175	8RB#0	12.82	12.5±1	/
Band4	3MHz	16QAM	20175	8RB#4	12.83	12.5±1	/
Band4	3MHz	16QAM	20175	8RB#7	12.86	12.5±1	/
Band4	3MHz	16QAM	20175	15RB#0	12.71	12.5±1	/
Band4	3MHz	16QAM	20385	1RB#0	12.80	12.5±1	/
Band4	3MHz	16QAM	20385	1RB#8	12.86	12.5±1	/
Band4	3MHz	16QAM	20385	1RB#14	12.88	12.5±1	/
Band4	3MHz	16QAM	20385	8RB#0	12.93	12.5±1	/
Band4	3MHz	16QAM	20385	8RB#4	12.94	12.5±1	/
Band4	3MHz	16QAM	20385	8RB#7	12.92	12.5±1	/
Band4	3MHz	16QAM	20385	15RB#0	12.79	12.5±1	/
Band4	5MHz	QPSK	19975	1RB#0	12.65	12.5±1	/
Band4	5MHz	QPSK	19975	1RB#12	12.77	12.5±1	/
Band4	5MHz	QPSK	19975	1RB#24	12.63	12.5±1	/
Band4	5MHz	QPSK	19975	12RB#0	12.70	12.5±1	/
Band4	5MHz	QPSK	19975	12RB#6	12.73	12.5±1	/
Band4	5MHz	QPSK	19975	12RB#13	12.70	12.5±1	/
Band4	5MHz	QPSK	19975	25RB#0	12.66	12.5±1	/
Band4	5MHz	QPSK	20175	1RB#0	12.78	12.5±1	/
Band4	5MHz	QPSK	20175	1RB#12	12.89	12.5±1	/
Band4	5MHz	QPSK	20175	1RB#24	12.81	12.5±1	/
Band4	5MHz	QPSK	20175	12RB#0	12.84	12.5±1	/
Band4	5MHz	QPSK	20175	12RB#6	12.81	12.5±1	/
Band4	5MHz	QPSK	20175	12RB#13	12.77	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	5MHz	QPSK	20175	25RB#0	12.80	12.5±1	/
Band4	5MHz	QPSK	20375	1RB#0	12.98	12.5±1	/
Band4	5MHz	QPSK	20375	1RB#12	13.06	12.5±1	/
Band4	5MHz	QPSK	20375	1RB#24	12.99	12.5±1	/
Band4	5MHz	QPSK	20375	12RB#0	12.90	12.5±1	/
Band4	5MHz	QPSK	20375	12RB#6	12.89	12.5±1	/
Band4	5MHz	QPSK	20375	12RB#13	12.93	12.5±1	/
Band4	5MHz	QPSK	20375	25RB#0	12.93	12.5±1	/
Band4	5MHz	16QAM	19975	1RB#0	12.69	12.5±1	/
Band4	5MHz	16QAM	19975	1RB#12	12.75	12.5±1	/
Band4	5MHz	16QAM	19975	1RB#24	12.61	12.5±1	/
Band4	5MHz	16QAM	19975	12RB#0	12.65	12.5±1	/
Band4	5MHz	16QAM	19975	12RB#6	12.68	12.5±1	/
Band4	5MHz	16QAM	19975	12RB#13	12.64	12.5±1	/
Band4	5MHz	16QAM	19975	25RB#0	12.69	12.5±1	/
Band4	5MHz	16QAM	20175	1RB#0	12.95	12.5±1	/
Band4	5MHz	16QAM	20175	1RB#12	13.09	12.5±1	/
Band4	5MHz	16QAM	20175	1RB#24	12.97	12.5±1	/
Band4	5MHz	16QAM	20175	12RB#0	12.84	12.5±1	/
Band4	5MHz	16QAM	20175	12RB#6	12.85	12.5±1	/
Band4	5MHz	16QAM	20175	12RB#13	12.78	12.5±1	/
Band4	5MHz	16QAM	20175	25RB#0	12.76	12.5±1	/
Band4	5MHz	16QAM	20375	1RB#0	12.89	12.5±1	/
Band4	5MHz	16QAM	20375	1RB#12	13.04	12.5±1	/
Band4	5MHz	16QAM	20375	1RB#24	12.93	12.5±1	/
Band4	5MHz	16QAM	20375	12RB#0	12.84	12.5±1	/
Band4	5MHz	16QAM	20375	12RB#6	12.88	12.5±1	/
Band4	5MHz	16QAM	20375	12RB#13	12.96	12.5±1	/
Band4	5MHz	16QAM	20375	25RB#0	12.96	12.5±1	/
Band4	10MHz	QPSK	20000	1RB#0	12.69	12.5±1	/
Band4	10MHz	QPSK	20000	1RB#24	12.81	12.5±1	/
Band4	10MHz	QPSK	20000	1RB#49	12.67	12.5±1	/
Band4	10MHz	QPSK	20000	25RB#0	12.71	12.5±1	/
Band4	10MHz	QPSK	20000	25RB#12	12.74	12.5±1	/
Band4	10MHz	QPSK	20000	25RB#25	12.84	12.5±1	/
Band4	10MHz	QPSK	20000	50RB#0	12.72	12.5±1	/
Band4	10MHz	QPSK	20175	1RB#0	12.81	12.5±1	/
Band4	10MHz	QPSK	20175	1RB#24	13.00	12.5±1	/
Band4	10MHz	QPSK	20175	1RB#49	12.80	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	10MHz	QPSK	20175	25RB#0	12.91	12.5±1	/
Band4	10MHz	QPSK	20175	25RB#12	12.93	12.5±1	/
Band4	10MHz	QPSK	20175	25RB#25	12.79	12.5±1	/
Band4	10MHz	QPSK	20175	50RB#0	12.84	12.5±1	/
Band4	10MHz	QPSK	20350	1RB#0	12.84	12.5±1	/
Band4	10MHz	QPSK	20350	1RB#24	12.94	12.5±1	/
Band4	10MHz	QPSK	20350	1RB#49	12.85	12.5±1	/
Band4	10MHz	QPSK	20350	25RB#0	12.92	12.5±1	/
Band4	10MHz	QPSK	20350	25RB#12	12.90	12.5±1	/
Band4	10MHz	QPSK	20350	25RB#25	13.02	12.5±1	/
Band4	10MHz	QPSK	20350	50RB#0	12.93	12.5±1	/
Band4	10MHz	16QAM	20000	1RB#0	12.85	12.5±1	/
Band4	10MHz	16QAM	20000	1RB#24	12.93	12.5±1	/
Band4	10MHz	16QAM	20000	1RB#49	12.80	12.5±1	/
Band4	10MHz	16QAM	20000	25RB#0	12.76	12.5±1	/
Band4	10MHz	16QAM	20000	25RB#12	12.74	12.5±1	/
Band4	10MHz	16QAM	20000	25RB#25	12.82	12.5±1	/
Band4	10MHz	16QAM	20000	50RB#0	12.76	12.5±1	/
Band4	10MHz	16QAM	20175	1RB#0	12.75	12.5±1	/
Band4	10MHz	16QAM	20175	1RB#24	12.78	12.5±1	/
Band4	10MHz	16QAM	20175	1RB#49	12.72	12.5±1	/
Band4	10MHz	16QAM	20175	25RB#0	12.90	12.5±1	/
Band4	10MHz	16QAM	20175	25RB#12	12.91	12.5±1	/
Band4	10MHz	16QAM	20175	25RB#25	12.85	12.5±1	/
Band4	10MHz	16QAM	20175	50RB#0	12.82	12.5±1	/
Band4	10MHz	16QAM	20350	1RB#0	13.03	12.5±1	/
Band4	10MHz	16QAM	20350	1RB#24	13.17	12.5±1	/
Band4	10MHz	16QAM	20350	1RB#49	13.03	12.5±1	/
Band4	10MHz	16QAM	20350	25RB#0	12.85	12.5±1	/
Band4	10MHz	16QAM	20350	25RB#12	12.85	12.5±1	/
Band4	10MHz	16QAM	20350	25RB#25	12.93	12.5±1	/
Band4	10MHz	16QAM	20350	50RB#0	12.88	12.5±1	/
Band4	15MHz	QPSK	20025	1RB#0	12.59	12.5±1	/
Band4	15MHz	QPSK	20025	1RB#38	12.73	12.5±1	/
Band4	15MHz	QPSK	20025	1RB#74	12.48	12.5±1	/
Band4	15MHz	QPSK	20025	38RB#0	12.73	12.5±1	/
Band4	15MHz	QPSK	20025	38RB#18	12.77	12.5±1	/
Band4	15MHz	QPSK	20025	38RB#37	12.76	12.5±1	/
Band4	15MHz	QPSK	20025	75RB#0	12.76	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	15MHz	QPSK	20175	1RB#0	12.62	12.5±1	/
Band4	15MHz	QPSK	20175	1RB#38	12.84	12.5±1	/
Band4	15MHz	QPSK	20175	1RB#74	12.57	12.5±1	/
Band4	15MHz	QPSK	20175	38RB#0	12.83	12.5±1	/
Band4	15MHz	QPSK	20175	38RB#18	12.79	12.5±1	/
Band4	15MHz	QPSK	20175	38RB#37	12.83	12.5±1	/
Band4	15MHz	QPSK	20175	75RB#0	12.82	12.5±1	/
Band4	15MHz	QPSK	20325	1RB#0	12.75	12.5±1	/
Band4	15MHz	QPSK	20325	1RB#38	12.95	12.5±1	/
Band4	15MHz	QPSK	20325	1RB#74	12.76	12.5±1	/
Band4	15MHz	QPSK	20325	38RB#0	12.91	12.5±1	/
Band4	15MHz	QPSK	20325	38RB#18	12.97	12.5±1	/
Band4	15MHz	QPSK	20325	38RB#37	12.93	12.5±1	/
Band4	15MHz	QPSK	20325	75RB#0	12.89	12.5±1	/
Band4	15MHz	16QAM	20025	1RB#0	12.75	12.5±1	/
Band4	15MHz	16QAM	20025	1RB#38	12.84	12.5±1	/
Band4	15MHz	16QAM	20025	1RB#74	12.68	12.5±1	/
Band4	15MHz	16QAM	20025	38RB#0	12.75	12.5±1	/
Band4	15MHz	16QAM	20025	38RB#18	12.76	12.5±1	/
Band4	15MHz	16QAM	20025	38RB#37	12.77	12.5±1	/
Band4	15MHz	16QAM	20025	75RB#0	12.68	12.5±1	/
Band4	15MHz	16QAM	20175	1RB#0	12.88	12.5±1	/
Band4	15MHz	16QAM	20175	1RB#38	13.01	12.5±1	/
Band4	15MHz	16QAM	20175	1RB#74	12.88	12.5±1	/
Band4	15MHz	16QAM	20175	38RB#0	12.81	12.5±1	/
Band4	15MHz	16QAM	20175	38RB#18	12.80	12.5±1	/
Band4	15MHz	16QAM	20175	38RB#37	12.79	12.5±1	/
Band4	15MHz	16QAM	20175	75RB#0	12.75	12.5±1	/
Band4	15MHz	16QAM	20325	1RB#0	12.66	12.5±1	/
Band4	15MHz	16QAM	20325	1RB#38	12.82	12.5±1	/
Band4	15MHz	16QAM	20325	1RB#74	12.62	12.5±1	/
Band4	15MHz	16QAM	20325	38RB#0	12.93	12.5±1	/
Band4	15MHz	16QAM	20325	38RB#18	12.95	12.5±1	/
Band4	15MHz	16QAM	20325	38RB#37	12.95	12.5±1	/
Band4	15MHz	16QAM	20325	75RB#0	12.89	12.5±1	/
Band4	20MHz	QPSK	20050	1RB#0	12.51	12.5±1	/
Band4	20MHz	QPSK	20050	1RB#49	12.88	12.5±1	/
Band4	20MHz	QPSK	20050	1RB#99	12.50	12.5±1	/
Band4	20MHz	QPSK	20050	50RB#0	12.59	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band4	20MHz	QPSK	20050	50RB#25	12.60	12.5±1	/
Band4	20MHz	QPSK	20050	50RB#50	12.78	12.5±1	/
Band4	20MHz	QPSK	20050	100RB#0	12.67	12.5±1	/
Band4	20MHz	QPSK	20175	1RB#0	12.42	12.5±1	/
Band4	20MHz	QPSK	20175	1RB#49	12.88	12.5±1	/
Band4	20MHz	QPSK	20175	1RB#99	12.51	12.5±1	/
Band4	20MHz	QPSK	20175	50RB#0	12.83	12.5±1	/
Band4	20MHz	QPSK	20175	50RB#25	12.85	12.5±1	/
Band4	20MHz	QPSK	20175	50RB#50	12.71	12.5±1	/
Band4	20MHz	QPSK	20175	100RB#0	12.82	12.5±1	/
Band4	20MHz	QPSK	20300	1RB#0	12.62	12.5±1	/
Band4	20MHz	QPSK	20300	1RB#49	13.11	12.5±1	/
Band4	20MHz	QPSK	20300	1RB#99	12.71	12.5±1	/
Band4	20MHz	QPSK	20300	50RB#0	12.99	12.5±1	/
Band4	20MHz	QPSK	20300	50RB#25	12.98	12.5±1	/
Band4	20MHz	QPSK	20300	50RB#50	12.97	12.5±1	/
Band4	20MHz	QPSK	20300	100RB#0	12.98	12.5±1	/
Band4	20MHz	16QAM	20050	1RB#0	12.70	12.5±1	/
Band4	20MHz	16QAM	20050	1RB#49	12.98	12.5±1	/
Band4	20MHz	16QAM	20050	1RB#99	12.65	12.5±1	/
Band4	20MHz	16QAM	20050	50RB#0	12.57	12.5±1	/
Band4	20MHz	16QAM	20050	50RB#25	12.58	12.5±1	/
Band4	20MHz	16QAM	20050	50RB#50	12.78	12.5±1	/
Band4	20MHz	16QAM	20050	100RB#0	12.68	12.5±1	/
Band4	20MHz	16QAM	20175	1RB#0	12.52	12.5±1	/
Band4	20MHz	16QAM	20175	1RB#49	12.92	12.5±1	/
Band4	20MHz	16QAM	20175	1RB#99	12.60	12.5±1	/
Band4	20MHz	16QAM	20175	50RB#0	12.85	12.5±1	/
Band4	20MHz	16QAM	20175	50RB#25	12.83	12.5±1	/
Band4	20MHz	16QAM	20175	50RB#50	12.71	12.5±1	/
Band4	20MHz	16QAM	20175	100RB#0	12.80	12.5±1	/
Band4	20MHz	16QAM	20300	1RB#0	12.65	12.5±1	/
Band4	20MHz	16QAM	20300	1RB#49	13.04	12.5±1	/
Band4	20MHz	16QAM	20300	1RB#99	12.69	12.5±1	/
Band4	20MHz	16QAM	20300	50RB#0	12.98	12.5±1	/
Band4	20MHz	16QAM	20300	50RB#25	12.94	12.5±1	/
Band4	20MHz	16QAM	20300	50RB#50	12.92	12.5±1	/
Band4	20MHz	16QAM	20300	100RB#0	12.93	12.5±1	/
Band5	1.4MHz	QPSK	20407	1RB#0	13.96	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	1.4MHz	QPSK	20407	1RB#2	13.97	13.5±1	/
Band5	1.4MHz	QPSK	20407	1RB#5	13.92	13.5±1	/
Band5	1.4MHz	QPSK	20407	3RB#0	13.89	13.5±1	/
Band5	1.4MHz	QPSK	20407	3RB#1	13.99	13.5±1	/
Band5	1.4MHz	QPSK	20407	3RB#3	13.95	13.5±1	/
Band5	1.4MHz	QPSK	20407	6RB#0	13.96	13.5±1	/
Band5	1.4MHz	QPSK	20525	1RB#0	13.87	13.5±1	/
Band5	1.4MHz	QPSK	20525	1RB#2	14.07	13.5±1	/
Band5	1.4MHz	QPSK	20525	1RB#5	13.96	13.5±1	/
Band5	1.4MHz	QPSK	20525	3RB#0	13.97	13.5±1	/
Band5	1.4MHz	QPSK	20525	3RB#1	13.96	13.5±1	/
Band5	1.4MHz	QPSK	20525	3RB#3	14.02	13.5±1	/
Band5	1.4MHz	QPSK	20525	6RB#0	13.97	13.5±1	/
Band5	1.4MHz	QPSK	20643	1RB#0	13.95	13.5±1	/
Band5	1.4MHz	QPSK	20643	1RB#2	14.07	13.5±1	/
Band5	1.4MHz	QPSK	20643	1RB#5	13.95	13.5±1	/
Band5	1.4MHz	QPSK	20643	3RB#0	14.04	13.5±1	/
Band5	1.4MHz	QPSK	20643	3RB#1	14.01	13.5±1	/
Band5	1.4MHz	QPSK	20643	3RB#3	14.04	13.5±1	/
Band5	1.4MHz	QPSK	20643	6RB#0	14.02	13.5±1	/
Band5	1.4MHz	16QAM	20407	1RB#0	14.06	13.5±1	/
Band5	1.4MHz	16QAM	20407	1RB#2	14.21	13.5±1	/
Band5	1.4MHz	16QAM	20407	1RB#5	14.05	13.5±1	/
Band5	1.4MHz	16QAM	20407	3RB#0	13.90	13.5±1	/
Band5	1.4MHz	16QAM	20407	3RB#1	13.89	13.5±1	/
Band5	1.4MHz	16QAM	20407	3RB#3	13.87	13.5±1	/
Band5	1.4MHz	16QAM	20407	6RB#0	14.04	13.5±1	/
Band5	1.4MHz	16QAM	20525	1RB#0	14.10	13.5±1	/
Band5	1.4MHz	16QAM	20525	1RB#2	14.19	13.5±1	/
Band5	1.4MHz	16QAM	20525	1RB#5	14.00	13.5±1	/
Band5	1.4MHz	16QAM	20525	3RB#0	13.89	13.5±1	/
Band5	1.4MHz	16QAM	20525	3RB#1	13.87	13.5±1	/
Band5	1.4MHz	16QAM	20525	3RB#3	13.86	13.5±1	/
Band5	1.4MHz	16QAM	20525	6RB#0	13.86	13.5±1	/
Band5	1.4MHz	16QAM	20643	1RB#0	13.79	13.5±1	/
Band5	1.4MHz	16QAM	20643	1RB#2	14.09	13.5±1	/
Band5	1.4MHz	16QAM	20643	1RB#5	13.85	13.5±1	/
Band5	1.4MHz	16QAM	20643	3RB#0	13.84	13.5±1	/
Band5	1.4MHz	16QAM	20643	3RB#1	13.81	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	1.4MHz	16QAM	20643	3RB#3	13.91	13.5±1	/
Band5	1.4MHz	16QAM	20643	6RB#0	14.04	13.5±1	/
Band5	3MHz	QPSK	20415	1RB#0	13.99	13.5±1	/
Band5	3MHz	QPSK	20415	1RB#8	13.98	13.5±1	/
Band5	3MHz	QPSK	20415	1RB#14	14.02	13.5±1	/
Band5	3MHz	QPSK	20415	8RB#0	14.00	13.5±1	/
Band5	3MHz	QPSK	20415	8RB#4	14.02	13.5±1	/
Band5	3MHz	QPSK	20415	8RB#7	14.02	13.5±1	/
Band5	3MHz	QPSK	20415	15RB#0	13.99	13.5±1	/
Band5	3MHz	QPSK	20525	1RB#0	14.02	13.5±1	/
Band5	3MHz	QPSK	20525	1RB#8	13.98	13.5±1	/
Band5	3MHz	QPSK	20525	1RB#14	14.05	13.5±1	/
Band5	3MHz	QPSK	20525	8RB#0	14.03	13.5±1	/
Band5	3MHz	QPSK	20525	8RB#4	14.01	13.5±1	/
Band5	3MHz	QPSK	20525	8RB#7	14.03	13.5±1	/
Band5	3MHz	QPSK	20525	15RB#0	14.01	13.5±1	/
Band5	3MHz	QPSK	20635	1RB#0	14.08	13.5±1	/
Band5	3MHz	QPSK	20635	1RB#8	14.03	13.5±1	/
Band5	3MHz	QPSK	20635	1RB#14	14.08	13.5±1	/
Band5	3MHz	QPSK	20635	8RB#0	14.03	13.5±1	/
Band5	3MHz	QPSK	20635	8RB#4	14.06	13.5±1	/
Band5	3MHz	QPSK	20635	8RB#7	14.07	13.5±1	/
Band5	3MHz	QPSK	20635	15RB#0	14.03	13.5±1	/
Band5	3MHz	16QAM	20415	1RB#0	14.16	13.5±1	/
Band5	3MHz	16QAM	20415	1RB#8	14.15	13.5±1	/
Band5	3MHz	16QAM	20415	1RB#14	14.14	13.5±1	/
Band5	3MHz	16QAM	20415	8RB#0	14.06	13.5±1	/
Band5	3MHz	16QAM	20415	8RB#4	14.04	13.5±1	/
Band5	3MHz	16QAM	20415	8RB#7	14.06	13.5±1	/
Band5	3MHz	16QAM	20415	15RB#0	13.99	13.5±1	/
Band5	3MHz	16QAM	20525	1RB#0	14.17	13.5±1	/
Band5	3MHz	16QAM	20525	1RB#8	14.14	13.5±1	/
Band5	3MHz	16QAM	20525	1RB#14	14.16	13.5±1	/
Band5	3MHz	16QAM	20525	8RB#0	14.02	13.5±1	/
Band5	3MHz	16QAM	20525	8RB#4	14.02	13.5±1	/
Band5	3MHz	16QAM	20525	8RB#7	14.10	13.5±1	/
Band5	3MHz	16QAM	20525	15RB#0	13.91	13.5±1	/
Band5	3MHz	16QAM	20635	1RB#0	13.91	13.5±1	/
Band5	3MHz	16QAM	20635	1RB#8	13.92	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	3MHz	16QAM	20635	1RB#14	14.01	13.5±1	/
Band5	3MHz	16QAM	20635	8RB#0	14.07	13.5±1	/
Band5	3MHz	16QAM	20635	8RB#4	14.05	13.5±1	/
Band5	3MHz	16QAM	20635	8RB#7	14.05	13.5±1	/
Band5	3MHz	16QAM	20635	15RB#0	13.90	13.5±1	/
Band5	5MHz	QPSK	20425	1RB#0	13.96	13.5±1	/
Band5	5MHz	QPSK	20425	1RB#12	14.08	13.5±1	/
Band5	5MHz	QPSK	20425	1RB#24	13.96	13.5±1	/
Band5	5MHz	QPSK	20425	12RB#0	14.01	13.5±1	/
Band5	5MHz	QPSK	20425	12RB#6	13.98	13.5±1	/
Band5	5MHz	QPSK	20425	12RB#13	13.99	13.5±1	/
Band5	5MHz	QPSK	20425	25RB#0	13.97	13.5±1	/
Band5	5MHz	QPSK	20525	1RB#0	14.02	13.5±1	/
Band5	5MHz	QPSK	20525	1RB#12	14.04	13.5±1	/
Band5	5MHz	QPSK	20525	1RB#24	13.99	13.5±1	/
Band5	5MHz	QPSK	20525	12RB#0	13.96	13.5±1	/
Band5	5MHz	QPSK	20525	12RB#6	14.03	13.5±1	/
Band5	5MHz	QPSK	20525	12RB#13	14.05	13.5±1	/
Band5	5MHz	QPSK	20525	25RB#0	14.04	13.5±1	/
Band5	5MHz	QPSK	20625	1RB#0	14.03	13.5±1	/
Band5	5MHz	QPSK	20625	1RB#12	14.19	13.5±1	/
Band5	5MHz	QPSK	20625	1RB#24	14.06	13.5±1	/
Band5	5MHz	QPSK	20625	12RB#0	14.01	13.5±1	/
Band5	5MHz	QPSK	20625	12RB#6	13.99	13.5±1	/
Band5	5MHz	QPSK	20625	12RB#13	13.98	13.5±1	/
Band5	5MHz	QPSK	20625	25RB#0	14.04	13.5±1	/
Band5	5MHz	16QAM	20425	1RB#0	13.95	13.5±1	/
Band5	5MHz	16QAM	20425	1RB#12	14.05	13.5±1	/
Band5	5MHz	16QAM	20425	1RB#24	13.97	13.5±1	/
Band5	5MHz	16QAM	20425	12RB#0	13.94	13.5±1	/
Band5	5MHz	16QAM	20425	12RB#6	13.97	13.5±1	/
Band5	5MHz	16QAM	20425	12RB#13	13.92	13.5±1	/
Band5	5MHz	16QAM	20425	25RB#0	13.99	13.5±1	/
Band5	5MHz	16QAM	20525	1RB#0	14.20	13.5±1	/
Band5	5MHz	16QAM	20525	1RB#12	14.29	13.5±1	/
Band5	5MHz	16QAM	20525	1RB#24	14.17	13.5±1	/
Band5	5MHz	16QAM	20525	12RB#0	14.01	13.5±1	/
Band5	5MHz	16QAM	20525	12RB#6	14.01	13.5±1	/
Band5	5MHz	16QAM	20525	12RB#13	14.01	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	5MHz	16QAM	20525	25RB#0	14.01	13.5±1	/
Band5	5MHz	16QAM	20625	1RB#0	14.03	13.5±1	/
Band5	5MHz	16QAM	20625	1RB#12	14.14	13.5±1	/
Band5	5MHz	16QAM	20625	1RB#24	14.06	13.5±1	/
Band5	5MHz	16QAM	20625	12RB#0	14.02	13.5±1	/
Band5	5MHz	16QAM	20625	12RB#6	14.00	13.5±1	/
Band5	5MHz	16QAM	20625	12RB#13	14.01	13.5±1	/
Band5	5MHz	16QAM	20625	25RB#0	14.05	13.5±1	/
Band5	10MHz	QPSK	20450	1RB#0	13.93	13.5±1	/
Band5	10MHz	QPSK	20450	1RB#24	14.15	13.5±1	/
Band5	10MHz	QPSK	20450	1RB#49	13.92	13.5±1	/
Band5	10MHz	QPSK	20450	25RB#0	14.00	13.5±1	/
Band5	10MHz	QPSK	20450	25RB#12	14.00	13.5±1	/
Band5	10MHz	QPSK	20450	25RB#25	14.02	13.5±1	/
Band5	10MHz	QPSK	20450	50RB#0	14.12	13.5±1	/
Band5	10MHz	QPSK	20525	1RB#0	14.00	13.5±1	/
Band5	10MHz	QPSK	20525	1RB#24	14.11	13.5±1	/
Band5	10MHz	QPSK	20525	1RB#49	14.01	13.5±1	/
Band5	10MHz	QPSK	20525	25RB#0	14.02	13.5±1	/
Band5	10MHz	QPSK	20525	25RB#12	14.03	13.5±1	/
Band5	10MHz	QPSK	20525	25RB#25	14.09	13.5±1	/
Band5	10MHz	QPSK	20525	50RB#0	14.07	13.5±1	/
Band5	10MHz	QPSK	20600	1RB#0	13.95	13.5±1	/
Band5	10MHz	QPSK	20600	1RB#24	14.06	13.5±1	/
Band5	10MHz	QPSK	20600	1RB#49	13.96	13.5±1	/
Band5	10MHz	QPSK	20600	25RB#0	14.08	13.5±1	/
Band5	10MHz	QPSK	20600	25RB#12	14.09	13.5±1	/
Band5	10MHz	QPSK	20600	25RB#25	14.01	13.5±1	/
Band5	10MHz	QPSK	20600	50RB#0	14.05	13.5±1	/
Band5	10MHz	16QAM	20450	1RB#0	14.07	13.5±1	/
Band5	10MHz	16QAM	20450	1RB#24	14.25	13.5±1	/
Band5	10MHz	16QAM	20450	1RB#49	14.07	13.5±1	/
Band5	10MHz	16QAM	20450	25RB#0	14.06	13.5±1	/
Band5	10MHz	16QAM	20450	25RB#12	14.04	13.5±1	/
Band5	10MHz	16QAM	20450	25RB#25	14.04	13.5±1	/
Band5	10MHz	16QAM	20450	50RB#0	14.02	13.5±1	/
Band5	10MHz	16QAM	20525	1RB#0	13.89	13.5±1	/
Band5	10MHz	16QAM	20525	1RB#24	14.00	13.5±1	/
Band5	10MHz	16QAM	20525	1RB#49	13.87	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band5	10MHz	16QAM	20525	25RB#0	14.07	13.5±1	/
Band5	10MHz	16QAM	20525	25RB#12	14.05	13.5±1	/
Band5	10MHz	16QAM	20525	25RB#25	14.10	13.5±1	/
Band5	10MHz	16QAM	20525	50RB#0	14.05	13.5±1	/
Band5	10MHz	16QAM	20600	1RB#0	14.14	13.5±1	/
Band5	10MHz	16QAM	20600	1RB#24	14.27	13.5±1	/
Band5	10MHz	16QAM	20600	1RB#49	14.18	13.5±1	/
Band5	10MHz	16QAM	20600	25RB#0	14.04	13.5±1	/
Band5	10MHz	16QAM	20600	25RB#12	14.06	13.5±1	/
Band5	10MHz	16QAM	20600	25RB#25	13.99	13.5±1	/
Band5	10MHz	16QAM	20600	50RB#0	13.98	13.5±1	/
Band12	1.4MHz	QPSK	23017	1RB#0	13.44	13.0±1	/
Band12	1.4MHz	QPSK	23017	1RB#2	13.74	13.0±1	/
Band12	1.4MHz	QPSK	23017	1RB#5	13.45	13.0±1	/
Band12	1.4MHz	QPSK	23017	3RB#0	13.51	13.0±1	/
Band12	1.4MHz	QPSK	23017	3RB#1	13.51	13.0±1	/
Band12	1.4MHz	QPSK	23017	3RB#3	13.53	13.0±1	/
Band12	1.4MHz	QPSK	23017	6RB#0	13.54	13.0±1	/
Band12	1.4MHz	QPSK	23095	1RB#0	13.50	13.0±1	/
Band12	1.4MHz	QPSK	23095	1RB#2	13.64	13.0±1	/
Band12	1.4MHz	QPSK	23095	1RB#5	13.48	13.0±1	/
Band12	1.4MHz	QPSK	23095	3RB#0	13.54	13.0±1	/
Band12	1.4MHz	QPSK	23095	3RB#1	13.50	13.0±1	/
Band12	1.4MHz	QPSK	23095	3RB#3	13.60	13.0±1	/
Band12	1.4MHz	QPSK	23095	6RB#0	13.54	13.0±1	/
Band12	1.4MHz	QPSK	23173	1RB#0	13.47	13.0±1	/
Band12	1.4MHz	QPSK	23173	1RB#2	13.63	13.0±1	/
Band12	1.4MHz	QPSK	23173	1RB#5	13.50	13.0±1	/
Band12	1.4MHz	QPSK	23173	3RB#0	13.54	13.0±1	/
Band12	1.4MHz	QPSK	23173	3RB#1	13.50	13.0±1	/
Band12	1.4MHz	QPSK	23173	3RB#3	13.57	13.0±1	/
Band12	1.4MHz	QPSK	23173	6RB#0	13.54	13.0±1	/
Band12	1.4MHz	16QAM	23017	1RB#0	13.54	13.0±1	/
Band12	1.4MHz	16QAM	23017	1RB#2	13.76	13.0±1	/
Band12	1.4MHz	16QAM	23017	1RB#5	13.57	13.0±1	/
Band12	1.4MHz	16QAM	23017	3RB#0	13.38	13.0±1	/
Band12	1.4MHz	16QAM	23017	3RB#1	13.41	13.0±1	/
Band12	1.4MHz	16QAM	23017	3RB#3	13.38	13.0±1	/
Band12	1.4MHz	16QAM	23017	6RB#0	13.56	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band12	1.4MHz	16QAM	23095	1RB#0	13.63	13.0±1	/
Band12	1.4MHz	16QAM	23095	1RB#2	13.80	13.0±1	/
Band12	1.4MHz	16QAM	23095	1RB#5	13.61	13.0±1	/
Band12	1.4MHz	16QAM	23095	3RB#0	13.48	13.0±1	/
Band12	1.4MHz	16QAM	23095	3RB#1	13.44	13.0±1	/
Band12	1.4MHz	16QAM	23095	3RB#3	13.48	13.0±1	/
Band12	1.4MHz	16QAM	23095	6RB#0	13.43	13.0±1	/
Band12	1.4MHz	16QAM	23173	1RB#0	13.39	13.0±1	/
Band12	1.4MHz	16QAM	23173	1RB#2	13.60	13.0±1	/
Band12	1.4MHz	16QAM	23173	1RB#5	13.39	13.0±1	/
Band12	1.4MHz	16QAM	23173	3RB#0	13.37	13.0±1	/
Band12	1.4MHz	16QAM	23173	3RB#1	13.36	13.0±1	/
Band12	1.4MHz	16QAM	23173	3RB#3	13.39	13.0±1	/
Band12	1.4MHz	16QAM	23173	6RB#0	13.56	13.0±1	/
Band12	3MHz	QPSK	23025	1RB#0	13.42	13.0±1	/
Band12	3MHz	QPSK	23025	1RB#8	13.43	13.0±1	/
Band12	3MHz	QPSK	23025	1RB#14	13.41	13.0±1	/
Band12	3MHz	QPSK	23025	8RB#0	13.40	13.0±1	/
Band12	3MHz	QPSK	23025	8RB#4	13.42	13.0±1	/
Band12	3MHz	QPSK	23025	8RB#7	13.45	13.0±1	/
Band12	3MHz	QPSK	23025	15RB#0	13.40	13.0±1	/
Band12	3MHz	QPSK	23095	1RB#0	13.44	13.0±1	/
Band12	3MHz	QPSK	23095	1RB#8	13.46	13.0±1	/
Band12	3MHz	QPSK	23095	1RB#14	13.44	13.0±1	/
Band12	3MHz	QPSK	23095	8RB#0	13.42	13.0±1	/
Band12	3MHz	QPSK	23095	8RB#4	13.40	13.0±1	/
Band12	3MHz	QPSK	23095	8RB#7	13.40	13.0±1	/
Band12	3MHz	QPSK	23095	15RB#0	13.41	13.0±1	/
Band12	3MHz	QPSK	23165	1RB#0	13.51	13.0±1	/
Band12	3MHz	QPSK	23165	1RB#8	13.48	13.0±1	/
Band12	3MHz	QPSK	23165	1RB#14	13.48	13.0±1	/
Band12	3MHz	QPSK	23165	8RB#0	13.49	13.0±1	/
Band12	3MHz	QPSK	23165	8RB#4	13.50	13.0±1	/
Band12	3MHz	QPSK	23165	8RB#7	13.48	13.0±1	/
Band12	3MHz	QPSK	23165	15RB#0	13.43	13.0±1	/
Band12	3MHz	16QAM	23025	1RB#0	13.60	13.0±1	/
Band12	3MHz	16QAM	23025	1RB#8	13.56	13.0±1	/
Band12	3MHz	16QAM	23025	1RB#14	13.59	13.0±1	/
Band12	3MHz	16QAM	23025	8RB#0	13.45	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band12	3MHz	16QAM	23025	8RB#4	13.46	13.0±1	/
Band12	3MHz	16QAM	23025	8RB#7	13.47	13.0±1	/
Band12	3MHz	16QAM	23025	15RB#0	13.40	13.0±1	/
Band12	3MHz	16QAM	23095	1RB#0	13.62	13.0±1	/
Band12	3MHz	16QAM	23095	1RB#8	13.61	13.0±1	/
Band12	3MHz	16QAM	23095	1RB#14	13.53	13.0±1	/
Band12	3MHz	16QAM	23095	8RB#0	13.41	13.0±1	/
Band12	3MHz	16QAM	23095	8RB#4	13.50	13.0±1	/
Band12	3MHz	16QAM	23095	8RB#7	13.43	13.0±1	/
Band12	3MHz	16QAM	23095	15RB#0	13.40	13.0±1	/
Band12	3MHz	16QAM	23165	1RB#0	13.37	13.0±1	/
Band12	3MHz	16QAM	23165	1RB#8	13.37	13.0±1	/
Band12	3MHz	16QAM	23165	1RB#14	13.42	13.0±1	/
Band12	3MHz	16QAM	23165	8RB#0	13.49	13.0±1	/
Band12	3MHz	16QAM	23165	8RB#4	13.50	13.0±1	/
Band12	3MHz	16QAM	23165	8RB#7	13.41	13.0±1	/
Band12	3MHz	16QAM	23165	15RB#0	13.35	13.0±1	/
Band12	5MHz	QPSK	23035	1RB#0	13.45	13.0±1	/
Band12	5MHz	QPSK	23035	1RB#12	13.56	13.0±1	/
Band12	5MHz	QPSK	23035	1RB#24	13.45	13.0±1	/
Band12	5MHz	QPSK	23035	12RB#0	13.46	13.0±1	/
Band12	5MHz	QPSK	23035	12RB#6	13.43	13.0±1	/
Band12	5MHz	QPSK	23035	12RB#13	13.47	13.0±1	/
Band12	5MHz	QPSK	23035	25RB#0	13.43	13.0±1	/
Band12	5MHz	QPSK	23095	1RB#0	13.44	13.0±1	/
Band12	5MHz	QPSK	23095	1RB#12	13.60	13.0±1	/
Band12	5MHz	QPSK	23095	1RB#24	13.48	13.0±1	/
Band12	5MHz	QPSK	23095	12RB#0	13.46	13.0±1	/
Band12	5MHz	QPSK	23095	12RB#6	13.44	13.0±1	/
Band12	5MHz	QPSK	23095	12RB#13	13.52	13.0±1	/
Band12	5MHz	QPSK	23095	25RB#0	13.51	13.0±1	/
Band12	5MHz	QPSK	23155	1RB#0	13.44	13.0±1	/
Band12	5MHz	QPSK	23155	1RB#12	13.48	13.0±1	/
Band12	5MHz	QPSK	23155	1RB#24	13.46	13.0±1	/
Band12	5MHz	QPSK	23155	12RB#0	13.47	13.0±1	/
Band12	5MHz	QPSK	23155	12RB#6	13.47	13.0±1	/
Band12	5MHz	QPSK	23155	12RB#13	13.42	13.0±1	/
Band12	5MHz	QPSK	23155	25RB#0	13.45	13.0±1	/
Band12	5MHz	16QAM	23035	1RB#0	13.60	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band12	5MHz	16QAM	23035	1RB#12	13.72	13.0±1	/
Band12	5MHz	16QAM	23035	1RB#24	13.66	13.0±1	/
Band12	5MHz	16QAM	23035	12RB#0	13.44	13.0±1	/
Band12	5MHz	16QAM	23035	12RB#6	13.43	13.0±1	/
Band12	5MHz	16QAM	23035	12RB#13	13.47	13.0±1	/
Band12	5MHz	16QAM	23035	25RB#0	13.41	13.0±1	/
Band12	5MHz	16QAM	23095	1RB#0	13.46	13.0±1	/
Band12	5MHz	16QAM	23095	1RB#12	13.59	13.0±1	/
Band12	5MHz	16QAM	23095	1RB#24	13.47	13.0±1	/
Band12	5MHz	16QAM	23095	12RB#0	13.45	13.0±1	/
Band12	5MHz	16QAM	23095	12RB#6	13.43	13.0±1	/
Band12	5MHz	16QAM	23095	12RB#13	13.52	13.0±1	/
Band12	5MHz	16QAM	23095	25RB#0	13.52	13.0±1	/
Band12	5MHz	16QAM	23155	1RB#0	13.45	13.0±1	/
Band12	5MHz	16QAM	23155	1RB#12	13.52	13.0±1	/
Band12	5MHz	16QAM	23155	1RB#24	13.42	13.0±1	/
Band12	5MHz	16QAM	23155	12RB#0	13.45	13.0±1	/
Band12	5MHz	16QAM	23155	12RB#6	13.47	13.0±1	/
Band12	5MHz	16QAM	23155	12RB#13	13.38	13.0±1	/
Band12	5MHz	16QAM	23155	25RB#0	13.49	13.0±1	/
Band12	10MHz	QPSK	23060	1RB#0	13.43	13.0±1	/
Band12	10MHz	QPSK	23060	1RB#24	13.57	13.0±1	/
Band12	10MHz	QPSK	23060	1RB#49	13.46	13.0±1	/
Band12	10MHz	QPSK	23060	25RB#0	13.45	13.0±1	/
Band12	10MHz	QPSK	23060	25RB#12	13.48	13.0±1	/
Band12	10MHz	QPSK	23060	25RB#25	13.52	13.0±1	/
Band12	10MHz	QPSK	23060	50RB#0	13.49	13.0±1	/
Band12	10MHz	QPSK	23095	1RB#0	13.42	13.0±1	/
Band12	10MHz	QPSK	23095	1RB#24	13.43	13.0±1	/
Band12	10MHz	QPSK	23095	1RB#49	13.38	13.0±1	/
Band12	10MHz	QPSK	23095	25RB#0	13.50	13.0±1	/
Band12	10MHz	QPSK	23095	25RB#12	13.44	13.0±1	/
Band12	10MHz	QPSK	23095	25RB#25	13.50	13.0±1	/
Band12	10MHz	QPSK	23095	50RB#0	13.46	13.0±1	/
Band12	10MHz	QPSK	23130	1RB#0	13.47	13.0±1	/
Band12	10MHz	QPSK	23130	1RB#24	13.63	13.0±1	/
Band12	10MHz	QPSK	23130	1RB#49	13.51	13.0±1	/
Band12	10MHz	QPSK	23130	25RB#0	13.51	13.0±1	/
Band12	10MHz	QPSK	23130	25RB#12	13.50	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band12	10MHz	QPSK	23130	25RB#25	13.45	13.0±1	/
Band12	10MHz	QPSK	23130	50RB#0	13.50	13.0±1	/
Band12	10MHz	16QAM	23060	1RB#0	13.62	13.0±1	/
Band12	10MHz	16QAM	23060	1RB#24	13.72	13.0±1	/
Band12	10MHz	16QAM	23060	1RB#49	13.56	13.0±1	/
Band12	10MHz	16QAM	23060	25RB#0	13.42	13.0±1	/
Band12	10MHz	16QAM	23060	25RB#12	13.41	13.0±1	/
Band12	10MHz	16QAM	23060	25RB#25	13.52	13.0±1	/
Band12	10MHz	16QAM	23060	50RB#0	13.49	13.0±1	/
Band12	10MHz	16QAM	23095	1RB#0	13.55	13.0±1	/
Band12	10MHz	16QAM	23095	1RB#24	13.73	13.0±1	/
Band12	10MHz	16QAM	23095	1RB#49	13.58	13.0±1	/
Band12	10MHz	16QAM	23095	25RB#0	13.48	13.0±1	/
Band12	10MHz	16QAM	23095	25RB#12	13.46	13.0±1	/
Band12	10MHz	16QAM	23095	25RB#25	13.56	13.0±1	/
Band12	10MHz	16QAM	23095	50RB#0	13.50	13.0±1	/
Band12	10MHz	16QAM	23130	1RB#0	13.39	13.0±1	/
Band12	10MHz	16QAM	23130	1RB#24	13.41	13.0±1	/
Band12	10MHz	16QAM	23130	1RB#49	13.39	13.0±1	/
Band12	10MHz	16QAM	23130	25RB#0	13.50	13.0±1	/
Band12	10MHz	16QAM	23130	25RB#12	13.55	13.0±1	/
Band12	10MHz	16QAM	23130	25RB#25	13.42	13.0±1	/
Band12	10MHz	16QAM	23130	50RB#0	13.42	13.0±1	/
Band17	5MHz	QPSK	23755	1RB#0	13.37	13.0±1	/
Band17	5MHz	QPSK	23755	1RB#12	13.47	13.0±1	/
Band17	5MHz	QPSK	23755	1RB#24	13.31	13.0±1	/
Band17	5MHz	QPSK	23755	12RB#0	13.33	13.0±1	/
Band17	5MHz	QPSK	23755	12RB#6	13.35	13.0±1	/
Band17	5MHz	QPSK	23755	12RB#13	13.40	13.0±1	/
Band17	5MHz	QPSK	23755	25RB#0	13.42	13.0±1	/
Band17	5MHz	QPSK	23790	1RB#0	13.37	13.0±1	/
Band17	5MHz	QPSK	23790	1RB#12	13.43	13.0±1	/
Band17	5MHz	QPSK	23790	1RB#24	13.33	13.0±1	/
Band17	5MHz	QPSK	23790	12RB#0	13.34	13.0±1	/
Band17	5MHz	QPSK	23790	12RB#6	13.33	13.0±1	/
Band17	5MHz	QPSK	23790	12RB#13	13.37	13.0±1	/
Band17	5MHz	QPSK	23790	25RB#0	13.35	13.0±1	/
Band17	5MHz	QPSK	23825	1RB#0	13.42	13.0±1	/
Band17	5MHz	QPSK	23825	1RB#12	13.51	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band17	5MHz	QPSK	23825	1RB#24	13.44	13.0±1	/
Band17	5MHz	QPSK	23825	12RB#0	13.36	13.0±1	/
Band17	5MHz	QPSK	23825	12RB#6	13.37	13.0±1	/
Band17	5MHz	QPSK	23825	12RB#13	13.33	13.0±1	/
Band17	5MHz	QPSK	23825	25RB#0	13.37	13.0±1	/
Band17	5MHz	16QAM	23755	1RB#0	13.31	13.0±1	/
Band17	5MHz	16QAM	23755	1RB#12	13.43	13.0±1	/
Band17	5MHz	16QAM	23755	1RB#24	13.36	13.0±1	/
Band17	5MHz	16QAM	23755	12RB#0	13.29	13.0±1	/
Band17	5MHz	16QAM	23755	12RB#6	13.29	13.0±1	/
Band17	5MHz	16QAM	23755	12RB#13	13.37	13.0±1	/
Band17	5MHz	16QAM	23755	25RB#0	13.37	13.0±1	/
Band17	5MHz	16QAM	23790	1RB#0	13.58	13.0±1	/
Band17	5MHz	16QAM	23790	1RB#12	13.61	13.0±1	/
Band17	5MHz	16QAM	23790	1RB#24	13.52	13.0±1	/
Band17	5MHz	16QAM	23790	12RB#0	13.40	13.0±1	/
Band17	5MHz	16QAM	23790	12RB#6	13.36	13.0±1	/
Band17	5MHz	16QAM	23790	12RB#13	13.38	13.0±1	/
Band17	5MHz	16QAM	23790	25RB#0	13.38	13.0±1	/
Band17	5MHz	16QAM	23825	1RB#0	13.37	13.0±1	/
Band17	5MHz	16QAM	23825	1RB#12	13.50	13.0±1	/
Band17	5MHz	16QAM	23825	1RB#24	13.42	13.0±1	/
Band17	5MHz	16QAM	23825	12RB#0	13.43	13.0±1	/
Band17	5MHz	16QAM	23825	12RB#6	13.40	13.0±1	/
Band17	5MHz	16QAM	23825	12RB#13	13.31	13.0±1	/
Band17	5MHz	16QAM	23825	25RB#0	13.39	13.0±1	/
Band17	10MHz	QPSK	23780	1RB#0	13.35	13.0±1	/
Band17	10MHz	QPSK	23780	1RB#24	13.50	13.0±1	/
Band17	10MHz	QPSK	23780	1RB#49	13.37	13.0±1	/
Band17	10MHz	QPSK	23780	25RB#0	13.41	13.0±1	/
Band17	10MHz	QPSK	23780	25RB#12	13.41	13.0±1	/
Band17	10MHz	QPSK	23780	25RB#25	13.36	13.0±1	/
Band17	10MHz	QPSK	23780	50RB#0	13.43	13.0±1	/
Band17	10MHz	QPSK	23790	1RB#0	13.41	13.0±1	/
Band17	10MHz	QPSK	23790	1RB#24	13.50	13.0±1	/
Band17	10MHz	QPSK	23790	1RB#49	13.33	13.0±1	/
Band17	10MHz	QPSK	23790	25RB#0	13.43	13.0±1	/
Band17	10MHz	QPSK	23790	25RB#12	13.42	13.0±1	/
Band17	10MHz	QPSK	23790	25RB#25	13.38	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band17	10MHz	QPSK	23790	50RB#0	13.38	13.0±1	/
Band17	10MHz	QPSK	23800	1RB#0	13.37	13.0±1	/
Band17	10MHz	QPSK	23800	1RB#24	13.43	13.0±1	/
Band17	10MHz	QPSK	23800	1RB#49	13.39	13.0±1	/
Band17	10MHz	QPSK	23800	25RB#0	13.38	13.0±1	/
Band17	10MHz	QPSK	23800	25RB#12	13.47	13.0±1	/
Band17	10MHz	QPSK	23800	25RB#25	13.34	13.0±1	/
Band17	10MHz	QPSK	23800	50RB#0	13.35	13.0±1	/
Band17	10MHz	16QAM	23780	1RB#0	13.50	13.0±1	/
Band17	10MHz	16QAM	23780	1RB#24	13.67	13.0±1	/
Band17	10MHz	16QAM	23780	1RB#49	13.48	13.0±1	/
Band17	10MHz	16QAM	23780	25RB#0	13.44	13.0±1	/
Band17	10MHz	16QAM	23780	25RB#12	13.42	13.0±1	/
Band17	10MHz	16QAM	23780	25RB#25	13.44	13.0±1	/
Band17	10MHz	16QAM	23780	50RB#0	13.41	13.0±1	/
Band17	10MHz	16QAM	23790	1RB#0	13.34	13.0±1	/
Band17	10MHz	16QAM	23790	1RB#24	13.39	13.0±1	/
Band17	10MHz	16QAM	23790	1RB#49	13.27	13.0±1	/
Band17	10MHz	16QAM	23790	25RB#0	13.49	13.0±1	/
Band17	10MHz	16QAM	23790	25RB#12	13.43	13.0±1	/
Band17	10MHz	16QAM	23790	25RB#25	13.41	13.0±1	/
Band17	10MHz	16QAM	23790	50RB#0	13.41	13.0±1	/
Band17	10MHz	16QAM	23800	1RB#0	13.52	13.0±1	/
Band17	10MHz	16QAM	23800	1RB#24	13.70	13.0±1	/
Band17	10MHz	16QAM	23800	1RB#49	13.56	13.0±1	/
Band17	10MHz	16QAM	23800	25RB#0	13.40	13.0±1	/
Band17	10MHz	16QAM	23800	25RB#12	13.42	13.0±1	/
Band17	10MHz	16QAM	23800	25RB#25	13.32	13.0±1	/
Band17	10MHz	16QAM	23800	50RB#0	13.33	13.0±1	/
Band25	1.4MHz	QPSK	26047	1RB#0	13.33	13.0±1	/
Band25	1.4MHz	QPSK	26047	1RB#2	13.36	13.0±1	/
Band25	1.4MHz	QPSK	26047	1RB#5	13.32	13.0±1	/
Band25	1.4MHz	QPSK	26047	3RB#0	13.33	13.0±1	/
Band25	1.4MHz	QPSK	26047	3RB#1	13.34	13.0±1	/
Band25	1.4MHz	QPSK	26047	3RB#3	13.38	13.0±1	/
Band25	1.4MHz	QPSK	26047	6RB#0	13.46	13.0±1	/
Band25	1.4MHz	QPSK	26365	1RB#0	13.02	13.0±1	/
Band25	1.4MHz	QPSK	26365	1RB#2	13.27	13.0±1	/
Band25	1.4MHz	QPSK	26365	1RB#5	13.02	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	1.4MHz	QPSK	26365	3RB#0	13.03	13.0±1	/
Band25	1.4MHz	QPSK	26365	3RB#1	13.07	13.0±1	/
Band25	1.4MHz	QPSK	26365	3RB#3	13.06	13.0±1	/
Band25	1.4MHz	QPSK	26365	6RB#0	13.07	13.0±1	/
Band25	1.4MHz	QPSK	26683	1RB#0	12.95	13.0±1	/
Band25	1.4MHz	QPSK	26683	1RB#2	13.04	13.0±1	/
Band25	1.4MHz	QPSK	26683	1RB#5	12.89	13.0±1	/
Band25	1.4MHz	QPSK	26683	3RB#0	12.99	13.0±1	/
Band25	1.4MHz	QPSK	26683	3RB#1	12.98	13.0±1	/
Band25	1.4MHz	QPSK	26683	3RB#3	13.00	13.0±1	/
Band25	1.4MHz	QPSK	26683	6RB#0	13.01	13.0±1	/
Band25	1.4MHz	16QAM	26047	1RB#0	13.34	13.0±1	/
Band25	1.4MHz	16QAM	26047	1RB#2	13.62	13.0±1	/
Band25	1.4MHz	16QAM	26047	1RB#5	13.37	13.0±1	/
Band25	1.4MHz	16QAM	26047	3RB#0	13.20	13.0±1	/
Band25	1.4MHz	16QAM	26047	3RB#1	13.19	13.0±1	/
Band25	1.4MHz	16QAM	26047	3RB#3	13.21	13.0±1	/
Band25	1.4MHz	16QAM	26047	6RB#0	13.25	13.0±1	/
Band25	1.4MHz	16QAM	26365	1RB#0	12.88	13.0±1	/
Band25	1.4MHz	16QAM	26365	1RB#2	13.03	13.0±1	/
Band25	1.4MHz	16QAM	26365	1RB#5	12.89	13.0±1	/
Band25	1.4MHz	16QAM	26365	3RB#0	12.88	13.0±1	/
Band25	1.4MHz	16QAM	26365	3RB#1	12.86	13.0±1	/
Band25	1.4MHz	16QAM	26365	3RB#3	12.86	13.0±1	/
Band25	1.4MHz	16QAM	26365	6RB#0	13.07	13.0±1	/
Band25	1.4MHz	16QAM	26683	1RB#0	13.03	13.0±1	/
Band25	1.4MHz	16QAM	26683	1RB#2	13.26	13.0±1	/
Band25	1.4MHz	16QAM	26683	1RB#5	12.99	13.0±1	/
Band25	1.4MHz	16QAM	26683	3RB#0	12.86	13.0±1	/
Band25	1.4MHz	16QAM	26683	3RB#1	12.86	13.0±1	/
Band25	1.4MHz	16QAM	26683	3RB#3	12.84	13.0±1	/
Band25	1.4MHz	16QAM	26683	6RB#0	13.03	13.0±1	/
Band25	3MHz	QPSK	26055	1RB#0	13.32	13.0±1	/
Band25	3MHz	QPSK	26055	1RB#8	13.35	13.0±1	/
Band25	3MHz	QPSK	26055	1RB#14	13.29	13.0±1	/
Band25	3MHz	QPSK	26055	8RB#0	13.37	13.0±1	/
Band25	3MHz	QPSK	26055	8RB#4	13.34	13.0±1	/
Band25	3MHz	QPSK	26055	8RB#7	13.32	13.0±1	/
Band25	3MHz	QPSK	26055	15RB#0	13.33	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	3MHz	QPSK	26365	1RB#0	13.07	13.0±1	/
Band25	3MHz	QPSK	26365	1RB#8	13.02	13.0±1	/
Band25	3MHz	QPSK	26365	1RB#14	13.02	13.0±1	/
Band25	3MHz	QPSK	26365	8RB#0	12.97	13.0±1	/
Band25	3MHz	QPSK	26365	8RB#4	12.99	13.0±1	/
Band25	3MHz	QPSK	26365	8RB#7	13.07	13.0±1	/
Band25	3MHz	QPSK	26365	15RB#0	13.03	13.0±1	/
Band25	3MHz	QPSK	26675	1RB#0	13.01	13.0±1	/
Band25	3MHz	QPSK	26675	1RB#8	13.02	13.0±1	/
Band25	3MHz	QPSK	26675	1RB#14	13.02	13.0±1	/
Band25	3MHz	QPSK	26675	8RB#0	13.03	13.0±1	/
Band25	3MHz	QPSK	26675	8RB#4	12.98	13.0±1	/
Band25	3MHz	QPSK	26675	8RB#7	12.98	13.0±1	/
Band25	3MHz	QPSK	26675	15RB#0	12.94	13.0±1	/
Band25	3MHz	16QAM	26055	1RB#0	13.47	13.0±1	/
Band25	3MHz	16QAM	26055	1RB#8	13.48	13.0±1	/
Band25	3MHz	16QAM	26055	1RB#14	13.42	13.0±1	/
Band25	3MHz	16QAM	26055	8RB#0	13.34	13.0±1	/
Band25	3MHz	16QAM	26055	8RB#4	13.33	13.0±1	/
Band25	3MHz	16QAM	26055	8RB#7	13.38	13.0±1	/
Band25	3MHz	16QAM	26055	15RB#0	13.30	13.0±1	/
Band25	3MHz	16QAM	26365	1RB#0	13.19	13.0±1	/
Band25	3MHz	16QAM	26365	1RB#8	13.13	13.0±1	/
Band25	3MHz	16QAM	26365	1RB#14	13.13	13.0±1	/
Band25	3MHz	16QAM	26365	8RB#0	13.03	13.0±1	/
Band25	3MHz	16QAM	26365	8RB#4	13.00	13.0±1	/
Band25	3MHz	16QAM	26365	8RB#7	13.03	13.0±1	/
Band25	3MHz	16QAM	26365	15RB#0	12.91	13.0±1	/
Band25	3MHz	16QAM	26675	1RB#0	12.94	13.0±1	/
Band25	3MHz	16QAM	26675	1RB#8	12.91	13.0±1	/
Band25	3MHz	16QAM	26675	1RB#14	12.88	13.0±1	/
Band25	3MHz	16QAM	26675	8RB#0	13.01	13.0±1	/
Band25	3MHz	16QAM	26675	8RB#4	13.00	13.0±1	/
Band25	3MHz	16QAM	26675	8RB#7	12.98	13.0±1	/
Band25	3MHz	16QAM	26675	15RB#0	12.78	13.0±1	/
Band25	5MHz	QPSK	26065	1RB#0	13.32	13.0±1	/
Band25	5MHz	QPSK	26065	1RB#12	13.39	13.0±1	/
Band25	5MHz	QPSK	26065	1RB#24	13.25	13.0±1	/
Band25	5MHz	QPSK	26065	12RB#0	13.23	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	5MHz	QPSK	26065	12RB#6	13.23	13.0±1	/
Band25	5MHz	QPSK	26065	12RB#13	13.47	13.0±1	/
Band25	5MHz	QPSK	26065	25RB#0	13.41	13.0±1	/
Band25	5MHz	QPSK	26365	1RB#0	13.04	13.0±1	/
Band25	5MHz	QPSK	26365	1RB#12	13.15	13.0±1	/
Band25	5MHz	QPSK	26365	1RB#24	13.02	13.0±1	/
Band25	5MHz	QPSK	26365	12RB#0	13.00	13.0±1	/
Band25	5MHz	QPSK	26365	12RB#6	12.98	13.0±1	/
Band25	5MHz	QPSK	26365	12RB#13	13.16	13.0±1	/
Band25	5MHz	QPSK	26365	25RB#0	13.09	13.0±1	/
Band25	5MHz	QPSK	26665	1RB#0	13.08	13.0±1	/
Band25	5MHz	QPSK	26665	1RB#12	13.15	13.0±1	/
Band25	5MHz	QPSK	26665	1RB#24	13.02	13.0±1	/
Band25	5MHz	QPSK	26665	12RB#0	12.93	13.0±1	/
Band25	5MHz	QPSK	26665	12RB#6	12.93	13.0±1	/
Band25	5MHz	QPSK	26665	12RB#13	13.07	13.0±1	/
Band25	5MHz	QPSK	26665	25RB#0	12.99	13.0±1	/
Band25	5MHz	16QAM	26065	1RB#0	13.28	13.0±1	/
Band25	5MHz	16QAM	26065	1RB#12	13.33	13.0±1	/
Band25	5MHz	16QAM	26065	1RB#24	13.27	13.0±1	/
Band25	5MHz	16QAM	26065	12RB#0	13.22	13.0±1	/
Band25	5MHz	16QAM	26065	12RB#6	13.21	13.0±1	/
Band25	5MHz	16QAM	26065	12RB#13	13.42	13.0±1	/
Band25	5MHz	16QAM	26065	25RB#0	13.35	13.0±1	/
Band25	5MHz	16QAM	26365	1RB#0	13.20	13.0±1	/
Band25	5MHz	16QAM	26365	1RB#12	13.33	13.0±1	/
Band25	5MHz	16QAM	26365	1RB#24	13.18	13.0±1	/
Band25	5MHz	16QAM	26365	12RB#0	13.01	13.0±1	/
Band25	5MHz	16QAM	26365	12RB#6	12.98	13.0±1	/
Band25	5MHz	16QAM	26365	12RB#13	13.12	13.0±1	/
Band25	5MHz	16QAM	26365	25RB#0	13.07	13.0±1	/
Band25	5MHz	16QAM	26665	1RB#0	13.07	13.0±1	/
Band25	5MHz	16QAM	26665	1RB#12	13.06	13.0±1	/
Band25	5MHz	16QAM	26665	1RB#24	12.94	13.0±1	/
Band25	5MHz	16QAM	26665	12RB#0	12.87	13.0±1	/
Band25	5MHz	16QAM	26665	12RB#6	12.84	13.0±1	/
Band25	5MHz	16QAM	26665	12RB#13	13.00	13.0±1	/
Band25	5MHz	16QAM	26665	25RB#0	12.98	13.0±1	/
Band25	10MHz	QPSK	26090	1RB#0	13.34	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	10MHz	QPSK	26090	1RB#24	13.38	13.0±1	/
Band25	10MHz	QPSK	26090	1RB#49	13.16	13.0±1	/
Band25	10MHz	QPSK	26090	25RB#0	13.15	13.0±1	/
Band25	10MHz	QPSK	26090	25RB#12	13.15	13.0±1	/
Band25	10MHz	QPSK	26090	25RB#25	13.53	13.0±1	/
Band25	10MHz	QPSK	26090	50RB#0	13.36	13.0±1	/
Band25	10MHz	QPSK	26365	1RB#0	13.07	13.0±1	/
Band25	10MHz	QPSK	26365	1RB#24	13.17	13.0±1	/
Band25	10MHz	QPSK	26365	1RB#49	13.00	13.0±1	/
Band25	10MHz	QPSK	26365	25RB#0	13.04	13.0±1	/
Band25	10MHz	QPSK	26365	25RB#12	13.05	13.0±1	/
Band25	10MHz	QPSK	26365	25RB#25	13.28	13.0±1	/
Band25	10MHz	QPSK	26365	50RB#0	13.18	13.0±1	/
Band25	10MHz	QPSK	26640	1RB#0	13.01	13.0±1	/
Band25	10MHz	QPSK	26640	1RB#24	13.18	13.0±1	/
Band25	10MHz	QPSK	26640	1RB#49	12.90	13.0±1	/
Band25	10MHz	QPSK	26640	25RB#0	12.98	13.0±1	/
Band25	10MHz	QPSK	26640	25RB#12	12.97	13.0±1	/
Band25	10MHz	QPSK	26640	25RB#25	13.30	13.0±1	/
Band25	10MHz	QPSK	26640	50RB#0	13.15	13.0±1	/
Band25	10MHz	16QAM	26090	1RB#0	13.48	13.0±1	/
Band25	10MHz	16QAM	26090	1RB#24	13.66	13.0±1	/
Band25	10MHz	16QAM	26090	1RB#49	13.29	13.0±1	/
Band25	10MHz	16QAM	26090	25RB#0	13.10	13.0±1	/
Band25	10MHz	16QAM	26090	25RB#12	13.12	13.0±1	/
Band25	10MHz	16QAM	26090	25RB#25	13.53	13.0±1	/
Band25	10MHz	16QAM	26090	50RB#0	13.37	13.0±1	/
Band25	10MHz	16QAM	26365	1RB#0	13.17	13.0±1	/
Band25	10MHz	16QAM	26365	1RB#24	13.32	13.0±1	/
Band25	10MHz	16QAM	26365	1RB#49	13.10	13.0±1	/
Band25	10MHz	16QAM	26365	25RB#0	13.02	13.0±1	/
Band25	10MHz	16QAM	26365	25RB#12	12.99	13.0±1	/
Band25	10MHz	16QAM	26365	25RB#25	13.28	13.0±1	/
Band25	10MHz	16QAM	26365	50RB#0	13.18	13.0±1	/
Band25	10MHz	16QAM	26640	1RB#0	12.88	13.0±1	/
Band25	10MHz	16QAM	26640	1RB#24	13.14	13.0±1	/
Band25	10MHz	16QAM	26640	1RB#49	12.83	13.0±1	/
Band25	10MHz	16QAM	26640	25RB#0	12.99	13.0±1	/
Band25	10MHz	16QAM	26640	25RB#12	13.01	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	10MHz	16QAM	26640	25RB#25	13.31	13.0±1	/
Band25	10MHz	16QAM	26640	50RB#0	13.15	13.0±1	/
Band25	15MHz	QPSK	26115	1RB#0	13.29	13.0±1	/
Band25	15MHz	QPSK	26115	1RB#38	13.31	13.0±1	/
Band25	15MHz	QPSK	26115	1RB#74	12.96	13.0±1	/
Band25	15MHz	QPSK	26115	38RB#0	13.18	13.0±1	/
Band25	15MHz	QPSK	26115	38RB#18	13.15	13.0±1	/
Band25	15MHz	QPSK	26115	38RB#37	13.15	13.0±1	/
Band25	15MHz	QPSK	26115	75RB#0	13.17	13.0±1	/
Band25	15MHz	QPSK	26365	1RB#0	12.99	13.0±1	/
Band25	15MHz	QPSK	26365	1RB#38	13.04	13.0±1	/
Band25	15MHz	QPSK	26365	1RB#74	12.86	13.0±1	/
Band25	15MHz	QPSK	26365	38RB#0	13.14	13.0±1	/
Band25	15MHz	QPSK	26365	38RB#18	13.14	13.0±1	/
Band25	15MHz	QPSK	26365	38RB#37	13.18	13.0±1	/
Band25	15MHz	QPSK	26365	75RB#0	13.15	13.0±1	/
Band25	15MHz	QPSK	26615	1RB#0	12.99	13.0±1	/
Band25	15MHz	QPSK	26615	1RB#38	13.15	13.0±1	/
Band25	15MHz	QPSK	26615	1RB#74	12.85	13.0±1	/
Band25	15MHz	QPSK	26615	38RB#0	13.30	13.0±1	/
Band25	15MHz	QPSK	26615	38RB#18	13.29	13.0±1	/
Band25	15MHz	QPSK	26615	38RB#37	13.28	13.0±1	/
Band25	15MHz	QPSK	26615	75RB#0	13.28	13.0±1	/
Band25	15MHz	16QAM	26115	1RB#0	13.43	13.0±1	/
Band25	15MHz	16QAM	26115	1RB#38	13.39	13.0±1	/
Band25	15MHz	16QAM	26115	1RB#74	13.11	13.0±1	/
Band25	15MHz	16QAM	26115	38RB#0	13.18	13.0±1	/
Band25	15MHz	16QAM	26115	38RB#18	13.16	13.0±1	/
Band25	15MHz	16QAM	26115	38RB#37	13.19	13.0±1	/
Band25	15MHz	16QAM	26115	75RB#0	13.09	13.0±1	/
Band25	15MHz	16QAM	26365	1RB#0	13.26	13.0±1	/
Band25	15MHz	16QAM	26365	1RB#38	13.28	13.0±1	/
Band25	15MHz	16QAM	26365	1RB#74	13.12	13.0±1	/
Band25	15MHz	16QAM	26365	38RB#0	13.16	13.0±1	/
Band25	15MHz	16QAM	26365	38RB#18	13.14	13.0±1	/
Band25	15MHz	16QAM	26365	38RB#37	13.14	13.0±1	/
Band25	15MHz	16QAM	26365	75RB#0	13.13	13.0±1	/
Band25	15MHz	16QAM	26615	1RB#0	12.85	13.0±1	/
Band25	15MHz	16QAM	26615	1RB#38	12.99	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	15MHz	16QAM	26615	1RB#74	12.74	13.0±1	/
Band25	15MHz	16QAM	26615	38RB#0	13.28	13.0±1	/
Band25	15MHz	16QAM	26615	38RB#18	13.28	13.0±1	/
Band25	15MHz	16QAM	26615	38RB#37	13.28	13.0±1	/
Band25	15MHz	16QAM	26615	75RB#0	13.25	13.0±1	/
Band25	20MHz	QPSK	26140	1RB#0	13.21	13.0±1	/
Band25	20MHz	QPSK	26140	1RB#49	13.42	13.0±1	/
Band25	20MHz	QPSK	26140	1RB#99	12.89	13.0±1	/
Band25	20MHz	QPSK	26140	50RB#0	13.56	13.0±1	/
Band25	20MHz	QPSK	26140	50RB#25	13.51	13.0±1	/
Band25	20MHz	QPSK	26140	50RB#50	13.52	13.0±1	/
Band25	20MHz	QPSK	26140	100RB#0	12.82	13.0±1	/
Band25	20MHz	QPSK	26365	1RB#0	12.89	13.0±1	/
Band25	20MHz	QPSK	26365	1RB#49	13.25	13.0±1	/
Band25	20MHz	QPSK	26365	1RB#99	12.74	13.0±1	/
Band25	20MHz	QPSK	26365	50RB#0	13.04	13.0±1	/
Band25	20MHz	QPSK	26365	50RB#25	13.01	13.0±1	/
Band25	20MHz	QPSK	26365	50RB#50	13.38	13.0±1	/
Band25	20MHz	QPSK	26365	100RB#0	13.26	13.0±1	/
Band25	20MHz	QPSK	26590	1RB#0	12.75	13.0±1	/
Band25	20MHz	QPSK	26590	1RB#49	12.96	13.0±1	/
Band25	20MHz	QPSK	26590	1RB#99	12.58	13.0±1	/
Band25	20MHz	QPSK	26590	50RB#0	13.51	13.0±1	/
Band25	20MHz	QPSK	26590	50RB#25	13.54	13.0±1	/
Band25	20MHz	QPSK	26590	50RB#50	13.41	13.0±1	/
Band25	20MHz	QPSK	26590	100RB#0	13.52	13.0±1	/
Band25	20MHz	16QAM	26140	1RB#0	13.16	13.0±1	/
Band25	20MHz	16QAM	26140	1RB#49	13.39	13.0±1	/
Band25	20MHz	16QAM	26140	1RB#99	12.80	13.0±1	/
Band25	20MHz	16QAM	26140	50RB#0	12.77	13.0±1	/
Band25	20MHz	16QAM	26140	50RB#25	12.76	13.0±1	/
Band25	20MHz	16QAM	26140	50RB#50	12.78	13.0±1	/
Band25	20MHz	16QAM	26140	100RB#0	12.76	13.0±1	/
Band25	20MHz	16QAM	26365	1RB#0	12.97	13.0±1	/
Band25	20MHz	16QAM	26365	1RB#49	13.30	13.0±1	/
Band25	20MHz	16QAM	26365	1RB#99	12.91	13.0±1	/
Band25	20MHz	16QAM	26365	50RB#0	12.99	13.0±1	/
Band25	20MHz	16QAM	26365	50RB#25	12.98	13.0±1	/
Band25	20MHz	16QAM	26365	50RB#50	13.38	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band25	20MHz	16QAM	26365	100RB#0	13.24	13.0±1	/
Band25	20MHz	16QAM	26590	1RB#0	12.76	13.0±1	/
Band25	20MHz	16QAM	26590	1RB#49	13.02	13.0±1	/
Band25	20MHz	16QAM	26590	1RB#99	12.65	13.0±1	/
Band25	20MHz	16QAM	26590	50RB#0	13.46	13.0±1	/
Band25	20MHz	16QAM	26590	50RB#25	13.44	13.0±1	/
Band25	20MHz	16QAM	26590	50RB#50	13.43	13.0±1	/
Band25	20MHz	16QAM	26590	100RB#0	13.43	13.0±1	/
Band26	1.4MHz	QPSK	26697	1RB#0	14.04	13.5±1	/
Band26	1.4MHz	QPSK	26697	1RB#2	14.19	13.5±1	/
Band26	1.4MHz	QPSK	26697	1RB#5	14.02	13.5±1	/
Band26	1.4MHz	QPSK	26697	3RB#0	14.13	13.5±1	/
Band26	1.4MHz	QPSK	26697	3RB#1	14.16	13.5±1	/
Band26	1.4MHz	QPSK	26697	3RB#3	14.13	13.5±1	/
Band26	1.4MHz	QPSK	26697	6RB#0	14.10	13.5±1	/
Band26	1.4MHz	QPSK	26740	1RB#0	14.06	13.5±1	/
Band26	1.4MHz	QPSK	26740	1RB#2	14.18	13.5±1	/
Band26	1.4MHz	QPSK	26740	1RB#5	14.02	13.5±1	/
Band26	1.4MHz	QPSK	26740	3RB#0	14.15	13.5±1	/
Band26	1.4MHz	QPSK	26740	3RB#1	14.08	13.5±1	/
Band26	1.4MHz	QPSK	26740	3RB#3	14.13	13.5±1	/
Band26	1.4MHz	QPSK	26740	6RB#0	14.12	13.5±1	/
Band26	1.4MHz	QPSK	26783	1RB#0	14.13	13.5±1	/
Band26	1.4MHz	QPSK	26783	1RB#2	14.28	13.5±1	/
Band26	1.4MHz	QPSK	26783	1RB#5	14.12	13.5±1	/
Band26	1.4MHz	QPSK	26783	3RB#0	14.20	13.5±1	/
Band26	1.4MHz	QPSK	26783	3RB#1	14.18	13.5±1	/
Band26	1.4MHz	QPSK	26783	3RB#3	14.18	13.5±1	/
Band26	1.4MHz	QPSK	26783	6RB#0	14.15	13.5±1	/
Band26	1.4MHz	QPSK	26797	1RB#0	14.06	13.5±1	/
Band26	1.4MHz	QPSK	26797	1RB#2	14.25	13.5±1	/
Band26	1.4MHz	QPSK	26797	1RB#5	14.06	13.5±1	/
Band26	1.4MHz	QPSK	26797	3RB#0	14.17	13.5±1	/
Band26	1.4MHz	QPSK	26797	3RB#1	14.18	13.5±1	/
Band26	1.4MHz	QPSK	26797	3RB#3	14.22	13.5±1	/
Band26	1.4MHz	QPSK	26797	6RB#0	14.17	13.5±1	/
Band26	1.4MHz	QPSK	26915	1RB#0	14.04	13.5±1	/
Band26	1.4MHz	QPSK	26915	1RB#2	14.18	13.5±1	/
Band26	1.4MHz	QPSK	26915	1RB#5	14.09	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	1.4MHz	QPSK	26915	3RB#0	14.12	13.5±1	/
Band26	1.4MHz	QPSK	26915	3RB#1	14.13	13.5±1	/
Band26	1.4MHz	QPSK	26915	3RB#3	14.19	13.5±1	/
Band26	1.4MHz	QPSK	26915	6RB#0	14.14	13.5±1	/
Band26	1.4MHz	QPSK	27033	1RB#0	14.14	13.5±1	/
Band26	1.4MHz	QPSK	27033	1RB#2	14.28	13.5±1	/
Band26	1.4MHz	QPSK	27033	1RB#5	14.10	13.5±1	/
Band26	1.4MHz	QPSK	27033	3RB#0	14.18	13.5±1	/
Band26	1.4MHz	QPSK	27033	3RB#1	14.14	13.5±1	/
Band26	1.4MHz	QPSK	27033	3RB#3	14.24	13.5±1	/
Band26	1.4MHz	QPSK	27033	6RB#0	14.17	13.5±1	/
Band26	1.4MHz	16QAM	26697	1RB#0	14.19	13.5±1	/
Band26	1.4MHz	16QAM	26697	1RB#2	14.40	13.5±1	/
Band26	1.4MHz	16QAM	26697	1RB#5	14.20	13.5±1	/
Band26	1.4MHz	16QAM	26697	3RB#0	14.07	13.5±1	/
Band26	1.4MHz	16QAM	26697	3RB#1	14.06	13.5±1	/
Band26	1.4MHz	16QAM	26697	3RB#3	14.03	13.5±1	/
Band26	1.4MHz	16QAM	26697	6RB#0	14.17	13.5±1	/
Band26	1.4MHz	16QAM	26740	1RB#0	14.20	13.5±1	/
Band26	1.4MHz	16QAM	26740	1RB#2	14.38	13.5±1	/
Band26	1.4MHz	16QAM	26740	1RB#5	14.22	13.5±1	/
Band26	1.4MHz	16QAM	26740	3RB#0	14.02	13.5±1	/
Band26	1.4MHz	16QAM	26740	3RB#1	14.05	13.5±1	/
Band26	1.4MHz	16QAM	26740	3RB#3	14.06	13.5±1	/
Band26	1.4MHz	16QAM	26740	6RB#0	14.04	13.5±1	/
Band26	1.4MHz	16QAM	26783	1RB#0	14.04	13.5±1	/
Band26	1.4MHz	16QAM	26783	1RB#2	14.17	13.5±1	/
Band26	1.4MHz	16QAM	26783	1RB#5	14.03	13.5±1	/
Band26	1.4MHz	16QAM	26783	3RB#0	14.02	13.5±1	/
Band26	1.4MHz	16QAM	26783	3RB#1	14.00	13.5±1	/
Band26	1.4MHz	16QAM	26783	3RB#3	14.01	13.5±1	/
Band26	1.4MHz	16QAM	26783	6RB#0	14.15	13.5±1	/
Band26	1.4MHz	16QAM	26797	1RB#0	14.23	13.5±1	/
Band26	1.4MHz	16QAM	26797	1RB#2	14.31	13.5±1	/
Band26	1.4MHz	16QAM	26797	1RB#5	14.24	13.5±1	/
Band26	1.4MHz	16QAM	26797	3RB#0	14.06	13.5±1	/
Band26	1.4MHz	16QAM	26797	3RB#1	14.08	13.5±1	/
Band26	1.4MHz	16QAM	26797	3RB#3	14.06	13.5±1	/
Band26	1.4MHz	16QAM	26797	6RB#0	14.25	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	1.4MHz	16QAM	26915	1RB#0	14.21	13.5±1	/
Band26	1.4MHz	16QAM	26915	1RB#2	14.37	13.5±1	/
Band26	1.4MHz	16QAM	26915	1RB#5	14.23	13.5±1	/
Band26	1.4MHz	16QAM	26915	3RB#0	14.05	13.5±1	/
Band26	1.4MHz	16QAM	26915	3RB#1	14.06	13.5±1	/
Band26	1.4MHz	16QAM	26915	3RB#3	14.08	13.5±1	/
Band26	1.4MHz	16QAM	26915	6RB#0	14.07	13.5±1	/
Band26	1.4MHz	16QAM	27033	1RB#0	14.05	13.5±1	/
Band26	1.4MHz	16QAM	27033	1RB#2	14.22	13.5±1	/
Band26	1.4MHz	16QAM	27033	1RB#5	14.01	13.5±1	/
Band26	1.4MHz	16QAM	27033	3RB#0	14.04	13.5±1	/
Band26	1.4MHz	16QAM	27033	3RB#1	13.98	13.5±1	/
Band26	1.4MHz	16QAM	27033	3RB#3	14.02	13.5±1	/
Band26	1.4MHz	16QAM	27033	6RB#0	14.18	13.5±1	/
Band26	3MHz	QPSK	26705	1RB#0	14.09	13.5±1	/
Band26	3MHz	QPSK	26705	1RB#8	14.05	13.5±1	/
Band26	3MHz	QPSK	26705	1RB#14	14.11	13.5±1	/
Band26	3MHz	QPSK	26705	8RB#0	14.05	13.5±1	/
Band26	3MHz	QPSK	26705	8RB#4	14.02	13.5±1	/
Band26	3MHz	QPSK	26705	8RB#7	14.13	13.5±1	/
Band26	3MHz	QPSK	26705	15RB#0	14.08	13.5±1	/
Band26	3MHz	QPSK	26740	1RB#0	14.11	13.5±1	/
Band26	3MHz	QPSK	26740	1RB#8	14.06	13.5±1	/
Band26	3MHz	QPSK	26740	1RB#14	14.12	13.5±1	/
Band26	3MHz	QPSK	26740	8RB#0	14.06	13.5±1	/
Band26	3MHz	QPSK	26740	8RB#4	14.06	13.5±1	/
Band26	3MHz	QPSK	26740	8RB#7	14.06	13.5±1	/
Band26	3MHz	QPSK	26740	15RB#0	14.06	13.5±1	/
Band26	3MHz	QPSK	26775	1RB#0	14.17	13.5±1	/
Band26	3MHz	QPSK	26775	1RB#8	14.15	13.5±1	/
Band26	3MHz	QPSK	26775	1RB#14	14.19	13.5±1	/
Band26	3MHz	QPSK	26775	8RB#0	14.12	13.5±1	/
Band26	3MHz	QPSK	26775	8RB#4	14.13	13.5±1	/
Band26	3MHz	QPSK	26775	8RB#7	14.12	13.5±1	/
Band26	3MHz	QPSK	26775	15RB#0	14.07	13.5±1	/
Band26	3MHz	QPSK	26805	1RB#0	14.08	13.5±1	/
Band26	3MHz	QPSK	26805	1RB#8	14.12	13.5±1	/
Band26	3MHz	QPSK	26805	1RB#14	14.15	13.5±1	/
Band26	3MHz	QPSK	26805	8RB#0	14.12	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	3MHz	QPSK	26805	8RB#4	14.11	13.5±1	/
Band26	3MHz	QPSK	26805	8RB#7	14.13	13.5±1	/
Band26	3MHz	QPSK	26805	15RB#0	14.07	13.5±1	/
Band26	3MHz	QPSK	26915	1RB#0	14.11	13.5±1	/
Band26	3MHz	QPSK	26915	1RB#8	14.04	13.5±1	/
Band26	3MHz	QPSK	26915	1RB#14	14.09	13.5±1	/
Band26	3MHz	QPSK	26915	8RB#0	14.09	13.5±1	/
Band26	3MHz	QPSK	26915	8RB#4	14.08	13.5±1	/
Band26	3MHz	QPSK	26915	8RB#7	14.05	13.5±1	/
Band26	3MHz	QPSK	26915	15RB#0	14.08	13.5±1	/
Band26	3MHz	QPSK	27025	1RB#0	14.18	13.5±1	/
Band26	3MHz	QPSK	27025	1RB#8	14.11	13.5±1	/
Band26	3MHz	QPSK	27025	1RB#14	14.16	13.5±1	/
Band26	3MHz	QPSK	27025	8RB#0	14.20	13.5±1	/
Band26	3MHz	QPSK	27025	8RB#4	14.16	13.5±1	/
Band26	3MHz	QPSK	27025	8RB#7	14.10	13.5±1	/
Band26	3MHz	QPSK	27025	15RB#0	14.05	13.5±1	/
Band26	3MHz	16QAM	26705	1RB#0	14.30	13.5±1	/
Band26	3MHz	16QAM	26705	1RB#8	14.24	13.5±1	/
Band26	3MHz	16QAM	26705	1RB#14	14.25	13.5±1	/
Band26	3MHz	16QAM	26705	8RB#0	14.12	13.5±1	/
Band26	3MHz	16QAM	26705	8RB#4	14.15	13.5±1	/
Band26	3MHz	16QAM	26705	8RB#7	14.17	13.5±1	/
Band26	3MHz	16QAM	26705	15RB#0	14.09	13.5±1	/
Band26	3MHz	16QAM	26740	1RB#0	14.26	13.5±1	/
Band26	3MHz	16QAM	26740	1RB#8	14.25	13.5±1	/
Band26	3MHz	16QAM	26740	1RB#14	14.25	13.5±1	/
Band26	3MHz	16QAM	26740	8RB#0	14.11	13.5±1	/
Band26	3MHz	16QAM	26740	8RB#4	14.09	13.5±1	/
Band26	3MHz	16QAM	26740	8RB#7	14.11	13.5±1	/
Band26	3MHz	16QAM	26740	15RB#0	13.97	13.5±1	/
Band26	3MHz	16QAM	26775	1RB#0	14.11	13.5±1	/
Band26	3MHz	16QAM	26775	1RB#8	14.02	13.5±1	/
Band26	3MHz	16QAM	26775	1RB#14	14.11	13.5±1	/
Band26	3MHz	16QAM	26775	8RB#0	14.17	13.5±1	/
Band26	3MHz	16QAM	26775	8RB#4	14.15	13.5±1	/
Band26	3MHz	16QAM	26775	8RB#7	14.14	13.5±1	/
Band26	3MHz	16QAM	26775	15RB#0	14.05	13.5±1	/
Band26	3MHz	16QAM	26805	1RB#0	14.31	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	3MHz	16QAM	26805	1RB#8	14.26	13.5±1	/
Band26	3MHz	16QAM	26805	1RB#14	14.32	13.5±1	/
Band26	3MHz	16QAM	26805	8RB#0	14.19	13.5±1	/
Band26	3MHz	16QAM	26805	8RB#4	14.18	13.5±1	/
Band26	3MHz	16QAM	26805	8RB#7	14.19	13.5±1	/
Band26	3MHz	16QAM	26805	15RB#0	14.10	13.5±1	/
Band26	3MHz	16QAM	26915	1RB#0	14.32	13.5±1	/
Band26	3MHz	16QAM	26915	1RB#8	14.26	13.5±1	/
Band26	3MHz	16QAM	26915	1RB#14	14.26	13.5±1	/
Band26	3MHz	16QAM	26915	8RB#0	14.10	13.5±1	/
Band26	3MHz	16QAM	26915	8RB#4	14.12	13.5±1	/
Band26	3MHz	16QAM	26915	8RB#7	14.13	13.5±1	/
Band26	3MHz	16QAM	26915	15RB#0	14.04	13.5±1	/
Band26	3MHz	16QAM	27025	1RB#0	14.04	13.5±1	/
Band26	3MHz	16QAM	27025	1RB#8	14.07	13.5±1	/
Band26	3MHz	16QAM	27025	1RB#14	14.10	13.5±1	/
Band26	3MHz	16QAM	27025	8RB#0	14.21	13.5±1	/
Band26	3MHz	16QAM	27025	8RB#4	14.16	13.5±1	/
Band26	3MHz	16QAM	27025	8RB#7	14.16	13.5±1	/
Band26	3MHz	16QAM	27025	15RB#0	14.06	13.5±1	/
Band26	5MHz	QPSK	26715	1RB#0	14.10	13.5±1	/
Band26	5MHz	QPSK	26715	1RB#12	14.18	13.5±1	/
Band26	5MHz	QPSK	26715	1RB#24	14.10	13.5±1	/
Band26	5MHz	QPSK	26715	12RB#0	14.05	13.5±1	/
Band26	5MHz	QPSK	26715	12RB#6	14.01	13.5±1	/
Band26	5MHz	QPSK	26715	12RB#13	14.10	13.5±1	/
Band26	5MHz	QPSK	26715	25RB#0	14.07	13.5±1	/
Band26	5MHz	QPSK	26740	1RB#0	14.09	13.5±1	/
Band26	5MHz	QPSK	26740	1RB#12	14.14	13.5±1	/
Band26	5MHz	QPSK	26740	1RB#24	14.13	13.5±1	/
Band26	5MHz	QPSK	26740	12RB#0	14.04	13.5±1	/
Band26	5MHz	QPSK	26740	12RB#6	14.03	13.5±1	/
Band26	5MHz	QPSK	26740	12RB#13	14.08	13.5±1	/
Band26	5MHz	QPSK	26740	25RB#0	14.13	13.5±1	/
Band26	5MHz	QPSK	26765	1RB#0	14.14	13.5±1	/
Band26	5MHz	QPSK	26765	1RB#12	14.24	13.5±1	/
Band26	5MHz	QPSK	26765	1RB#24	14.20	13.5±1	/
Band26	5MHz	QPSK	26765	12RB#0	14.07	13.5±1	/
Band26	5MHz	QPSK	26765	12RB#6	14.06	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	5MHz	QPSK	26765	12RB#13	14.09	13.5±1	/
Band26	5MHz	QPSK	26765	25RB#0	14.08	13.5±1	/
Band26	5MHz	QPSK	26815	1RB#0	14.10	13.5±1	/
Band26	5MHz	QPSK	26815	1RB#12	14.22	13.5±1	/
Band26	5MHz	QPSK	26815	1RB#24	14.15	13.5±1	/
Band26	5MHz	QPSK	26815	12RB#0	14.13	13.5±1	/
Band26	5MHz	QPSK	26815	12RB#6	14.07	13.5±1	/
Band26	5MHz	QPSK	26815	12RB#13	14.11	13.5±1	/
Band26	5MHz	QPSK	26815	25RB#0	14.14	13.5±1	/
Band26	5MHz	QPSK	26915	1RB#0	14.05	13.5±1	/
Band26	5MHz	QPSK	26915	1RB#12	14.16	13.5±1	/
Band26	5MHz	QPSK	26915	1RB#24	14.14	13.5±1	/
Band26	5MHz	QPSK	26915	12RB#0	14.08	13.5±1	/
Band26	5MHz	QPSK	26915	12RB#6	14.07	13.5±1	/
Band26	5MHz	QPSK	26915	12RB#13	14.06	13.5±1	/
Band26	5MHz	QPSK	26915	25RB#0	14.10	13.5±1	/
Band26	5MHz	QPSK	27015	1RB#0	14.13	13.5±1	/
Band26	5MHz	QPSK	27015	1RB#12	14.21	13.5±1	/
Band26	5MHz	QPSK	27015	1RB#24	14.18	13.5±1	/
Band26	5MHz	QPSK	27015	12RB#0	14.15	13.5±1	/
Band26	5MHz	QPSK	27015	12RB#6	14.12	13.5±1	/
Band26	5MHz	QPSK	27015	12RB#13	14.08	13.5±1	/
Band26	5MHz	QPSK	27015	25RB#0	14.16	13.5±1	/
Band26	5MHz	16QAM	26715	1RB#0	14.14	13.5±1	/
Band26	5MHz	16QAM	26715	1RB#12	14.17	13.5±1	/
Band26	5MHz	16QAM	26715	1RB#24	14.08	13.5±1	/
Band26	5MHz	16QAM	26715	12RB#0	14.04	13.5±1	/
Band26	5MHz	16QAM	26715	12RB#6	14.06	13.5±1	/
Band26	5MHz	16QAM	26715	12RB#13	14.09	13.5±1	/
Band26	5MHz	16QAM	26715	25RB#0	14.08	13.5±1	/
Band26	5MHz	16QAM	26740	1RB#0	14.33	13.5±1	/
Band26	5MHz	16QAM	26740	1RB#12	14.38	13.5±1	/
Band26	5MHz	16QAM	26740	1RB#24	14.35	13.5±1	/
Band26	5MHz	16QAM	26740	12RB#0	14.11	13.5±1	/
Band26	5MHz	16QAM	26740	12RB#6	14.09	13.5±1	/
Band26	5MHz	16QAM	26740	12RB#13	14.14	13.5±1	/
Band26	5MHz	16QAM	26740	25RB#0	14.10	13.5±1	/
Band26	5MHz	16QAM	26765	1RB#0	14.12	13.5±1	/
Band26	5MHz	16QAM	26765	1RB#12	14.24	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	5MHz	16QAM	26765	1RB#24	14.20	13.5±1	/
Band26	5MHz	16QAM	26765	12RB#0	14.06	13.5±1	/
Band26	5MHz	16QAM	26765	12RB#6	14.09	13.5±1	/
Band26	5MHz	16QAM	26765	12RB#13	14.11	13.5±1	/
Band26	5MHz	16QAM	26765	25RB#0	14.18	13.5±1	/
Band26	5MHz	16QAM	26815	1RB#0	14.15	13.5±1	/
Band26	5MHz	16QAM	26815	1RB#12	14.26	13.5±1	/
Band26	5MHz	16QAM	26815	1RB#24	14.10	13.5±1	/
Band26	5MHz	16QAM	26815	12RB#0	14.10	13.5±1	/
Band26	5MHz	16QAM	26815	12RB#6	14.07	13.5±1	/
Band26	5MHz	16QAM	26815	12RB#13	14.11	13.5±1	/
Band26	5MHz	16QAM	26815	25RB#0	14.15	13.5±1	/
Band26	5MHz	16QAM	26915	1RB#0	14.29	13.5±1	/
Band26	5MHz	16QAM	26915	1RB#12	14.34	13.5±1	/
Band26	5MHz	16QAM	26915	1RB#24	14.34	13.5±1	/
Band26	5MHz	16QAM	26915	12RB#0	14.11	13.5±1	/
Band26	5MHz	16QAM	26915	12RB#6	14.12	13.5±1	/
Band26	5MHz	16QAM	26915	12RB#13	14.15	13.5±1	/
Band26	5MHz	16QAM	26915	25RB#0	14.13	13.5±1	/
Band26	5MHz	16QAM	27015	1RB#0	14.13	13.5±1	/
Band26	5MHz	16QAM	27015	1RB#12	14.17	13.5±1	/
Band26	5MHz	16QAM	27015	1RB#24	14.18	13.5±1	/
Band26	5MHz	16QAM	27015	12RB#0	14.19	13.5±1	/
Band26	5MHz	16QAM	27015	12RB#6	14.18	13.5±1	/
Band26	5MHz	16QAM	27015	12RB#13	14.14	13.5±1	/
Band26	5MHz	16QAM	27015	25RB#0	14.15	13.5±1	/
Band26	10MHz	QPSK	26740	1RB#0	14.09	13.5±1	/
Band26	10MHz	QPSK	26740	1RB#24	14.18	13.5±1	/
Band26	10MHz	QPSK	26740	1RB#49	14.15	13.5±1	/
Band26	10MHz	QPSK	26740	25RB#0	14.09	13.5±1	/
Band26	10MHz	QPSK	26740	25RB#12	14.06	13.5±1	/
Band26	10MHz	QPSK	26740	25RB#25	14.24	13.5±1	/
Band26	10MHz	QPSK	26740	50RB#0	14.10	13.5±1	/
Band26	10MHz	QPSK	26840	1RB#0	14.13	13.5±1	/
Band26	10MHz	QPSK	26840	1RB#24	14.19	13.5±1	/
Band26	10MHz	QPSK	26840	1RB#49	14.02	13.5±1	/
Band26	10MHz	QPSK	26840	25RB#0	14.18	13.5±1	/
Band26	10MHz	QPSK	26840	25RB#12	14.22	13.5±1	/
Band26	10MHz	QPSK	26840	25RB#25	14.18	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	10MHz	QPSK	26840	50RB#0	14.14	13.5±1	/
Band26	10MHz	QPSK	26915	1RB#0	14.14	13.5±1	/
Band26	10MHz	QPSK	26915	1RB#24	14.23	13.5±1	/
Band26	10MHz	QPSK	26915	1RB#49	14.13	13.5±1	/
Band26	10MHz	QPSK	26915	25RB#0	14.19	13.5±1	/
Band26	10MHz	QPSK	26915	25RB#12	14.17	13.5±1	/
Band26	10MHz	QPSK	26915	25RB#25	14.17	13.5±1	/
Band26	10MHz	QPSK	26915	50RB#0	14.16	13.5±1	/
Band26	10MHz	QPSK	26990	1RB#0	14.11	13.5±1	/
Band26	10MHz	QPSK	26990	1RB#24	14.20	13.5±1	/
Band26	10MHz	QPSK	26990	1RB#49	14.11	13.5±1	/
Band26	10MHz	QPSK	26990	25RB#0	14.20	13.5±1	/
Band26	10MHz	QPSK	26990	25RB#12	14.18	13.5±1	/
Band26	10MHz	QPSK	26990	25RB#25	14.14	13.5±1	/
Band26	10MHz	QPSK	26990	50RB#0	14.15	13.5±1	/
Band26	10MHz	16QAM	26740	1RB#0	14.31	13.5±1	/
Band26	10MHz	16QAM	26740	1RB#24	14.33	13.5±1	/
Band26	10MHz	16QAM	26740	1RB#49	14.33	13.5±1	/
Band26	10MHz	16QAM	26740	25RB#0	14.10	13.5±1	/
Band26	10MHz	16QAM	26740	25RB#12	14.10	13.5±1	/
Band26	10MHz	16QAM	26740	25RB#25	14.20	13.5±1	/
Band26	10MHz	16QAM	26740	50RB#0	14.11	13.5±1	/
Band26	10MHz	16QAM	26840	1RB#0	14.31	13.5±1	/
Band26	10MHz	16QAM	26840	1RB#24	14.42	13.5±1	/
Band26	10MHz	16QAM	26840	1RB#49	14.27	13.5±1	/
Band26	10MHz	16QAM	26840	25RB#0	14.27	13.5±1	/
Band26	10MHz	16QAM	26840	25RB#12	14.30	13.5±1	/
Band26	10MHz	16QAM	26840	25RB#25	14.22	13.5±1	/
Band26	10MHz	16QAM	26840	50RB#0	14.21	13.5±1	/
Band26	10MHz	16QAM	26915	1RB#0	14.06	13.5±1	/
Band26	10MHz	16QAM	26915	1RB#24	14.14	13.5±1	/
Band26	10MHz	16QAM	26915	1RB#49	14.08	13.5±1	/
Band26	10MHz	16QAM	26915	25RB#0	14.26	13.5±1	/
Band26	10MHz	16QAM	26915	25RB#12	14.27	13.5±1	/
Band26	10MHz	16QAM	26915	25RB#25	14.23	13.5±1	/
Band26	10MHz	16QAM	26915	50RB#0	14.22	13.5±1	/
Band26	10MHz	16QAM	26990	1RB#0	14.28	13.5±1	/
Band26	10MHz	16QAM	26990	1RB#24	14.45	13.5±1	/
Band26	10MHz	16QAM	26990	1RB#49	14.28	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	10MHz	16QAM	26990	25RB#0	14.19	13.5±1	/
Band26	10MHz	16QAM	26990	25RB#12	14.22	13.5±1	/
Band26	10MHz	16QAM	26990	25RB#25	14.13	13.5±1	/
Band26	10MHz	16QAM	26990	50RB#0	14.15	13.5±1	/
Band26	15MHz	QPSK	26765	1RB#0	14.00	13.5±1	/
Band26	15MHz	QPSK	26765	1RB#38	14.17	13.5±1	/
Band26	15MHz	QPSK	26765	1RB#74	13.94	13.5±1	/
Band26	15MHz	QPSK	26765	38RB#0	14.12	13.5±1	/
Band26	15MHz	QPSK	26765	38RB#18	14.11	13.5±1	/
Band26	15MHz	QPSK	26765	38RB#37	14.08	13.5±1	/
Band26	15MHz	QPSK	26765	75RB#0	14.12	13.5±1	/
Band26	15MHz	QPSK	26865	1RB#0	14.02	13.5±1	/
Band26	15MHz	QPSK	26865	1RB#38	14.07	13.5±1	/
Band26	15MHz	QPSK	26865	1RB#74	13.93	13.5±1	/
Band26	15MHz	QPSK	26865	38RB#0	14.12	13.5±1	/
Band26	15MHz	QPSK	26865	38RB#18	14.14	13.5±1	/
Band26	15MHz	QPSK	26865	38RB#37	14.13	13.5±1	/
Band26	15MHz	QPSK	26865	75RB#0	14.09	13.5±1	/
Band26	15MHz	QPSK	26915	1RB#0	14.01	13.5±1	/
Band26	15MHz	QPSK	26915	1RB#38	14.10	13.5±1	/
Band26	15MHz	QPSK	26915	1RB#74	13.92	13.5±1	/
Band26	15MHz	QPSK	26915	38RB#0	14.10	13.5±1	/
Band26	15MHz	QPSK	26915	38RB#18	14.17	13.5±1	/
Band26	15MHz	QPSK	26915	38RB#37	14.17	13.5±1	/
Band26	15MHz	QPSK	26915	75RB#0	14.15	13.5±1	/
Band26	15MHz	QPSK	26965	1RB#0	14.00	13.5±1	/
Band26	15MHz	QPSK	26965	1RB#38	14.19	13.5±1	/
Band26	15MHz	QPSK	26965	1RB#74	14.00	13.5±1	/
Band26	15MHz	QPSK	26965	38RB#0	14.08	13.5±1	/
Band26	15MHz	QPSK	26965	38RB#18	14.09	13.5±1	/
Band26	15MHz	QPSK	26965	38RB#37	14.12	13.5±1	/
Band26	15MHz	QPSK	26965	75RB#0	14.12	13.5±1	/
Band26	15MHz	16QAM	26765	1RB#0	14.32	13.5±1	/
Band26	15MHz	16QAM	26765	1RB#38	14.41	13.5±1	/
Band26	15MHz	16QAM	26765	1RB#74	14.27	13.5±1	/
Band26	15MHz	16QAM	26765	38RB#0	14.11	13.5±1	/
Band26	15MHz	16QAM	26765	38RB#18	14.10	13.5±1	/
Band26	15MHz	16QAM	26765	38RB#37	14.14	13.5±1	/
Band26	15MHz	16QAM	26765	75RB#0	14.15	13.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band26	15MHz	16QAM	26865	1RB#0	14.21	13.5±1	/
Band26	15MHz	16QAM	26865	1RB#38	14.29	13.5±1	/
Band26	15MHz	16QAM	26865	1RB#74	14.19	13.5±1	/
Band26	15MHz	16QAM	26865	38RB#0	14.09	13.5±1	/
Band26	15MHz	16QAM	26865	38RB#18	14.09	13.5±1	/
Band26	15MHz	16QAM	26865	38RB#37	14.13	13.5±1	/
Band26	15MHz	16QAM	26865	75RB#0	14.08	13.5±1	/
Band26	15MHz	16QAM	26915	1RB#0	14.28	13.5±1	/
Band26	15MHz	16QAM	26915	1RB#38	14.37	13.5±1	/
Band26	15MHz	16QAM	26915	1RB#74	14.24	13.5±1	/
Band26	15MHz	16QAM	26915	38RB#0	14.14	13.5±1	/
Band26	15MHz	16QAM	26915	38RB#18	14.17	13.5±1	/
Band26	15MHz	16QAM	26915	38RB#37	14.15	13.5±1	/
Band26	15MHz	16QAM	26915	75RB#0	14.15	13.5±1	/
Band26	15MHz	16QAM	26965	1RB#0	13.91	13.5±1	/
Band26	15MHz	16QAM	26965	1RB#38	14.03	13.5±1	/
Band26	15MHz	16QAM	26965	1RB#74	13.94	13.5±1	/
Band26	15MHz	16QAM	26965	38RB#0	14.11	13.5±1	/
Band26	15MHz	16QAM	26965	38RB#18	14.09	13.5±1	/
Band26	15MHz	16QAM	26965	38RB#37	14.08	13.5±1	/
Band26	15MHz	16QAM	26965	75RB#0	14.10	13.5±1	/
Band41	5MHz	QPSK	39675	1RB#0	16.92	17.0±1	/
Band41	5MHz	QPSK	39675	1RB#12	17.03	17.0±1	/
Band41	5MHz	QPSK	39675	1RB#24	16.90	17.0±1	/
Band41	5MHz	QPSK	39675	12RB#0	16.93	17.0±1	/
Band41	5MHz	QPSK	39675	12RB#6	16.99	17.0±1	/
Band41	5MHz	QPSK	39675	12RB#13	17.03	17.0±1	/
Band41	5MHz	QPSK	39675	25RB#0	16.96	17.0±1	/
Band41	5MHz	QPSK	40620	1RB#0	17.18	17.0±1	/
Band41	5MHz	QPSK	40620	1RB#12	17.31	17.0±1	/
Band41	5MHz	QPSK	40620	1RB#24	17.16	17.0±1	/
Band41	5MHz	QPSK	40620	12RB#0	17.33	17.0±1	/
Band41	5MHz	QPSK	40620	12RB#6	17.30	17.0±1	/
Band41	5MHz	QPSK	40620	12RB#13	17.22	17.0±1	/
Band41	5MHz	QPSK	40620	25RB#0	17.27	17.0±1	/
Band41	5MHz	QPSK	41565	1RB#0	16.94	17.0±1	/
Band41	5MHz	QPSK	41565	1RB#12	17.01	17.0±1	/
Band41	5MHz	QPSK	41565	1RB#24	16.90	17.0±1	/
Band41	5MHz	QPSK	41565	12RB#0	17.01	17.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band41	5MHz	QPSK	41565	12RB#6	16.95	17.0±1	/
Band41	5MHz	QPSK	41565	12RB#13	16.98	17.0±1	/
Band41	5MHz	QPSK	41565	25RB#0	16.99	17.0±1	/
Band41	5MHz	16QAM	39675	1RB#0	17.29	17.0±1	/
Band41	5MHz	16QAM	39675	1RB#12	17.42	17.0±1	/
Band41	5MHz	16QAM	39675	1RB#24	17.30	17.0±1	/
Band41	5MHz	16QAM	39675	12RB#0	16.97	17.0±1	/
Band41	5MHz	16QAM	39675	12RB#6	16.98	17.0±1	/
Band41	5MHz	16QAM	39675	12RB#13	16.94	17.0±1	/
Band41	5MHz	16QAM	39675	25RB#0	17.00	17.0±1	/
Band41	5MHz	16QAM	40620	1RB#0	17.52	17.0±1	/
Band41	5MHz	16QAM	40620	1RB#12	17.64	17.0±1	/
Band41	5MHz	16QAM	40620	1RB#24	17.50	17.0±1	/
Band41	5MHz	16QAM	40620	12RB#0	17.36	17.0±1	/
Band41	5MHz	16QAM	40620	12RB#6	17.35	17.0±1	/
Band41	5MHz	16QAM	40620	12RB#13	17.27	17.0±1	/
Band41	5MHz	16QAM	40620	25RB#0	17.31	17.0±1	/
Band41	5MHz	16QAM	41565	1RB#0	17.19	17.0±1	/
Band41	5MHz	16QAM	41565	1RB#12	17.10	17.0±1	/
Band41	5MHz	16QAM	41565	1RB#24	17.10	17.0±1	/
Band41	5MHz	16QAM	41565	12RB#0	17.02	17.0±1	/
Band41	5MHz	16QAM	41565	12RB#6	16.95	17.0±1	/
Band41	5MHz	16QAM	41565	12RB#13	16.94	17.0±1	/
Band41	5MHz	16QAM	41565	25RB#0	17.00	17.0±1	/
Band41	10MHz	QPSK	39700	1RB#0	16.94	17.0±1	/
Band41	10MHz	QPSK	39700	1RB#24	17.15	17.0±1	/
Band41	10MHz	QPSK	39700	1RB#49	16.96	17.0±1	/
Band41	10MHz	QPSK	39700	25RB#0	16.93	17.0±1	/
Band41	10MHz	QPSK	39700	25RB#12	16.94	17.0±1	/
Band41	10MHz	QPSK	39700	25RB#25	17.01	17.0±1	/
Band41	10MHz	QPSK	39700	50RB#0	16.95	17.0±1	/
Band41	10MHz	QPSK	40620	1RB#0	17.30	17.0±1	/
Band41	10MHz	QPSK	40620	1RB#24	17.51	17.0±1	/
Band41	10MHz	QPSK	40620	1RB#49	17.24	17.0±1	/
Band41	10MHz	QPSK	40620	25RB#0	17.30	17.0±1	/
Band41	10MHz	QPSK	40620	25RB#12	17.27	17.0±1	/
Band41	10MHz	QPSK	40620	25RB#25	17.29	17.0±1	/
Band41	10MHz	QPSK	40620	50RB#0	17.26	17.0±1	/
Band41	10MHz	QPSK	41540	1RB#0	16.97	17.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band41	10MHz	QPSK	41540	1RB#24	17.19	17.0±1	/
Band41	10MHz	QPSK	41540	1RB#49	16.91	17.0±1	/
Band41	10MHz	QPSK	41540	25RB#0	16.96	17.0±1	/
Band41	10MHz	QPSK	41540	25RB#12	16.96	17.0±1	/
Band41	10MHz	QPSK	41540	25RB#25	16.98	17.0±1	/
Band41	10MHz	QPSK	41540	50RB#0	16.94	17.0±1	/
Band41	10MHz	16QAM	39700	1RB#0	17.30	17.0±1	/
Band41	10MHz	16QAM	39700	1RB#24	17.55	17.0±1	/
Band41	10MHz	16QAM	39700	1RB#49	17.32	17.0±1	/
Band41	10MHz	16QAM	39700	25RB#0	17.04	17.0±1	/
Band41	10MHz	16QAM	39700	25RB#12	17.07	17.0±1	/
Band41	10MHz	16QAM	39700	25RB#25	17.14	17.0±1	/
Band41	10MHz	16QAM	39700	50RB#0	17.05	17.0±1	/
Band41	10MHz	16QAM	40620	1RB#0	17.19	17.0±1	/
Band41	10MHz	16QAM	40620	1RB#24	17.46	17.0±1	/
Band41	10MHz	16QAM	40620	1RB#49	17.16	17.0±1	/
Band41	10MHz	16QAM	40620	25RB#0	17.30	17.0±1	/
Band41	10MHz	16QAM	40620	25RB#12	17.32	17.0±1	/
Band41	10MHz	16QAM	40620	25RB#25	17.31	17.0±1	/
Band41	10MHz	16QAM	40620	50RB#0	17.32	17.0±1	/
Band41	10MHz	16QAM	41540	1RB#0	17.03	17.0±1	/
Band41	10MHz	16QAM	41540	1RB#24	17.23	17.0±1	/
Band41	10MHz	16QAM	41540	1RB#49	16.99	17.0±1	/
Band41	10MHz	16QAM	41540	25RB#0	17.03	17.0±1	/
Band41	10MHz	16QAM	41540	25RB#12	17.08	17.0±1	/
Band41	10MHz	16QAM	41540	25RB#25	17.02	17.0±1	/
Band41	10MHz	16QAM	41540	50RB#0	17.01	17.0±1	/
Band41	15MHz	QPSK	39725	1RB#0	16.88	17.0±1	/
Band41	15MHz	QPSK	39725	1RB#38	17.02	17.0±1	/
Band41	15MHz	QPSK	39725	1RB#74	16.83	17.0±1	/
Band41	15MHz	QPSK	39725	38RB#0	17.03	17.0±1	/
Band41	15MHz	QPSK	39725	38RB#18	17.05	17.0±1	/
Band41	15MHz	QPSK	39725	38RB#37	17.04	17.0±1	/
Band41	15MHz	QPSK	39725	75RB#0	17.03	17.0±1	/
Band41	15MHz	QPSK	40620	1RB#0	17.32	17.0±1	/
Band41	15MHz	QPSK	40620	1RB#38	17.44	17.0±1	/
Band41	15MHz	QPSK	40620	1RB#74	17.15	17.0±1	/
Band41	15MHz	QPSK	40620	38RB#0	17.37	17.0±1	/
Band41	15MHz	QPSK	40620	38RB#18	17.36	17.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band41	15MHz	QPSK	40620	38RB#37	17.38	17.0±1	/
Band41	15MHz	QPSK	40620	75RB#0	17.36	17.0±1	/
Band41	15MHz	QPSK	41515	1RB#0	16.99	17.0±1	/
Band41	15MHz	QPSK	41515	1RB#38	17.04	17.0±1	/
Band41	15MHz	QPSK	41515	1RB#74	16.83	17.0±1	/
Band41	15MHz	QPSK	41515	38RB#0	17.01	17.0±1	/
Band41	15MHz	QPSK	41515	38RB#18	17.00	17.0±1	/
Band41	15MHz	QPSK	41515	38RB#37	17.00	17.0±1	/
Band41	15MHz	QPSK	41515	75RB#0	17.03	17.0±1	/
Band41	15MHz	16QAM	39725	1RB#0	17.24	17.0±1	/
Band41	15MHz	16QAM	39725	1RB#38	17.41	17.0±1	/
Band41	15MHz	16QAM	39725	1RB#74	17.25	17.0±1	/
Band41	15MHz	16QAM	39725	38RB#0	17.05	17.0±1	/
Band41	15MHz	16QAM	39725	38RB#18	17.02	17.0±1	/
Band41	15MHz	16QAM	39725	38RB#37	17.04	17.0±1	/
Band41	15MHz	16QAM	39725	75RB#0	17.04	17.0±1	/
Band41	15MHz	16QAM	40620	1RB#0	17.30	17.0±1	/
Band41	15MHz	16QAM	40620	1RB#38	17.40	17.0±1	/
Band41	15MHz	16QAM	40620	1RB#74	17.17	17.0±1	/
Band41	15MHz	16QAM	40620	38RB#0	17.39	17.0±1	/
Band41	15MHz	16QAM	40620	38RB#18	17.37	17.0±1	/
Band41	15MHz	16QAM	40620	38RB#37	17.38	17.0±1	/
Band41	15MHz	16QAM	40620	75RB#0	17.36	17.0±1	/
Band41	15MHz	16QAM	41515	1RB#0	17.01	17.0±1	/
Band41	15MHz	16QAM	41515	1RB#38	17.09	17.0±1	/
Band41	15MHz	16QAM	41515	1RB#74	16.90	17.0±1	/
Band41	15MHz	16QAM	41515	38RB#0	17.02	17.0±1	/
Band41	15MHz	16QAM	41515	38RB#18	17.01	17.0±1	/
Band41	15MHz	16QAM	41515	38RB#37	17.02	17.0±1	/
Band41	15MHz	16QAM	41515	75RB#0	16.98	17.0±1	/
Band41	20MHz	QPSK	39750	1RB#0	16.74	17.0±1	/
Band41	20MHz	QPSK	39750	1RB#49	17.23	17.0±1	/
Band41	20MHz	QPSK	39750	1RB#99	16.76	17.0±1	/
Band41	20MHz	QPSK	39750	50RB#0	16.92	17.0±1	/
Band41	20MHz	QPSK	39750	50RB#25	16.91	17.0±1	/
Band41	20MHz	QPSK	39750	50RB#50	17.06	17.0±1	/
Band41	20MHz	QPSK	39750	100RB#0	17.01	17.0±1	/
Band41	20MHz	QPSK	40620	1RB#0	17.10	17.0±1	/
Band41	20MHz	QPSK	40620	1RB#49	17.55	17.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band41	20MHz	QPSK	40620	1RB#99	17.00	17.0±1	/
Band41	20MHz	QPSK	40620	50RB#0	17.33	17.0±1	/
Band41	20MHz	QPSK	40620	50RB#25	17.32	17.0±1	/
Band41	20MHz	QPSK	40620	50RB#50	17.29	17.0±1	/
Band41	20MHz	QPSK	40620	100RB#0	17.35	17.0±1	/
Band41	20MHz	QPSK	41490	1RB#0	16.79	17.0±1	/
Band41	20MHz	QPSK	41490	1RB#49	17.17	17.0±1	/
Band41	20MHz	QPSK	41490	1RB#99	16.62	17.0±1	/
Band41	20MHz	QPSK	41490	50RB#0	16.98	17.0±1	/
Band41	20MHz	QPSK	41490	50RB#25	16.99	17.0±1	/
Band41	20MHz	QPSK	41490	50RB#50	16.96	17.0±1	/
Band41	20MHz	QPSK	41490	100RB#0	17.02	17.0±1	/
Band41	20MHz	16QAM	39750	1RB#0	16.40	16.0±1	1
Band41	20MHz	16QAM	39750	1RB#49	16.86	17.0±1	/
Band41	20MHz	16QAM	39750	1RB#99	16.42	16.0±1	1
Band41	20MHz	16QAM	39750	50RB#0	17.03	17.0±1	/
Band41	20MHz	16QAM	39750	50RB#25	17.05	17.0±1	/
Band41	20MHz	16QAM	39750	50RB#50	17.15	17.0±1	/
Band41	20MHz	16QAM	39750	100RB#0	17.04	17.0±1	/
Band41	20MHz	16QAM	40620	1RB#0	17.06	17.0±1	/
Band41	20MHz	16QAM	40620	1RB#49	17.49	17.0±1	/
Band41	20MHz	16QAM	40620	1RB#99	17.00	17.0±1	/
Band41	20MHz	16QAM	40620	50RB#0	17.36	17.0±1	/
Band41	20MHz	16QAM	40620	50RB#25	17.36	17.0±1	/
Band41	20MHz	16QAM	40620	50RB#50	17.32	17.0±1	/
Band41	20MHz	16QAM	40620	100RB#0	17.36	17.0±1	/
Band41	20MHz	16QAM	41490	1RB#0	16.99	17.0±1	/
Band41	20MHz	16QAM	41490	1RB#49	17.27	17.0±1	/
Band41	20MHz	16QAM	41490	1RB#99	16.87	17.0±1	/
Band41	20MHz	16QAM	41490	50RB#0	17.05	17.0±1	/
Band41	20MHz	16QAM	41490	50RB#25	17.08	17.0±1	/
Band41	20MHz	16QAM	41490	50RB#50	17.02	17.0±1	/
Band41	20MHz	16QAM	41490	100RB#0	17.02	17.0±1	/
Band66	1.4MHz	QPSK	131979	1RB#0	12.74	12.5±1	/
Band66	1.4MHz	QPSK	131979	1RB#2	12.84	12.5±1	/
Band66	1.4MHz	QPSK	131979	1RB#5	12.72	12.5±1	/
Band66	1.4MHz	QPSK	131979	3RB#0	12.80	12.5±1	/
Band66	1.4MHz	QPSK	131979	3RB#1	12.79	12.5±1	/
Band66	1.4MHz	QPSK	131979	3RB#3	12.78	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	1.4MHz	QPSK	131979	6RB#0	12.78	12.5±1	/
Band66	1.4MHz	QPSK	132322	1RB#0	12.98	12.5±1	/
Band66	1.4MHz	QPSK	132322	1RB#2	13.10	12.5±1	/
Band66	1.4MHz	QPSK	132322	1RB#5	13.02	12.5±1	/
Band66	1.4MHz	QPSK	132322	3RB#0	13.00	12.5±1	/
Band66	1.4MHz	QPSK	132322	3RB#1	13.00	12.5±1	/
Band66	1.4MHz	QPSK	132322	3RB#3	13.06	12.5±1	/
Band66	1.4MHz	QPSK	132322	6RB#0	13.07	12.5±1	/
Band66	1.4MHz	QPSK	132665	1RB#0	13.12	12.5±1	/
Band66	1.4MHz	QPSK	132665	1RB#2	13.24	12.5±1	/
Band66	1.4MHz	QPSK	132665	1RB#5	13.13	12.5±1	/
Band66	1.4MHz	QPSK	132665	3RB#0	13.13	12.5±1	/
Band66	1.4MHz	QPSK	132665	3RB#1	13.14	12.5±1	/
Band66	1.4MHz	QPSK	132665	3RB#3	13.20	12.5±1	/
Band66	1.4MHz	QPSK	132665	6RB#0	13.19	12.5±1	/
Band66	1.4MHz	16QAM	131979	1RB#0	12.85	12.5±1	/
Band66	1.4MHz	16QAM	131979	1RB#2	13.02	12.5±1	/
Band66	1.4MHz	16QAM	131979	1RB#5	12.85	12.5±1	/
Band66	1.4MHz	16QAM	131979	3RB#0	12.67	12.5±1	/
Band66	1.4MHz	16QAM	131979	3RB#1	12.71	12.5±1	/
Band66	1.4MHz	16QAM	131979	3RB#3	12.69	12.5±1	/
Band66	1.4MHz	16QAM	131979	6RB#0	12.87	12.5±1	/
Band66	1.4MHz	16QAM	132322	1RB#0	13.12	12.5±1	/
Band66	1.4MHz	16QAM	132322	1RB#2	13.21	12.5±1	/
Band66	1.4MHz	16QAM	132322	1RB#5	13.09	12.5±1	/
Band66	1.4MHz	16QAM	132322	3RB#0	12.92	12.5±1	/
Band66	1.4MHz	16QAM	132322	3RB#1	12.89	12.5±1	/
Band66	1.4MHz	16QAM	132322	3RB#3	12.90	12.5±1	/
Band66	1.4MHz	16QAM	132322	6RB#0	12.96	12.5±1	/
Band66	1.4MHz	16QAM	132665	1RB#0	13.02	12.5±1	/
Band66	1.4MHz	16QAM	132665	1RB#2	13.14	12.5±1	/
Band66	1.4MHz	16QAM	132665	1RB#5	13.01	12.5±1	/
Band66	1.4MHz	16QAM	132665	3RB#0	12.94	12.5±1	/
Band66	1.4MHz	16QAM	132665	3RB#1	12.94	12.5±1	/
Band66	1.4MHz	16QAM	132665	3RB#3	12.93	12.5±1	/
Band66	1.4MHz	16QAM	132665	6RB#0	13.14	12.5±1	/
Band66	3MHz	QPSK	131987	1RB#0	12.79	12.5±1	/
Band66	3MHz	QPSK	131987	1RB#8	12.83	12.5±1	/
Band66	3MHz	QPSK	131987	1RB#14	12.82	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	3MHz	QPSK	131987	8RB#0	12.81	12.5±1	/
Band66	3MHz	QPSK	131987	8RB#4	12.82	12.5±1	/
Band66	3MHz	QPSK	131987	8RB#7	12.87	12.5±1	/
Band66	3MHz	QPSK	131987	15RB#0	12.75	12.5±1	/
Band66	3MHz	QPSK	132322	1RB#0	13.04	12.5±1	/
Band66	3MHz	QPSK	132322	1RB#8	13.07	12.5±1	/
Band66	3MHz	QPSK	132322	1RB#14	13.04	12.5±1	/
Band66	3MHz	QPSK	132322	8RB#0	13.07	12.5±1	/
Band66	3MHz	QPSK	132322	8RB#4	13.07	12.5±1	/
Band66	3MHz	QPSK	132322	8RB#7	13.05	12.5±1	/
Band66	3MHz	QPSK	132322	15RB#0	13.03	12.5±1	/
Band66	3MHz	QPSK	132657	1RB#0	13.25	12.5±1	/
Band66	3MHz	QPSK	132657	1RB#8	13.21	12.5±1	/
Band66	3MHz	QPSK	132657	1RB#14	13.21	12.5±1	/
Band66	3MHz	QPSK	132657	8RB#0	13.20	12.5±1	/
Band66	3MHz	QPSK	132657	8RB#4	13.25	12.5±1	/
Band66	3MHz	QPSK	132657	8RB#7	13.23	12.5±1	/
Band66	3MHz	QPSK	132657	15RB#0	13.14	12.5±1	/
Band66	3MHz	16QAM	131987	1RB#0	12.97	12.5±1	/
Band66	3MHz	16QAM	131987	1RB#8	12.97	12.5±1	/
Band66	3MHz	16QAM	131987	1RB#14	12.96	12.5±1	/
Band66	3MHz	16QAM	131987	8RB#0	12.86	12.5±1	/
Band66	3MHz	16QAM	131987	8RB#4	12.84	12.5±1	/
Band66	3MHz	16QAM	131987	8RB#7	12.87	12.5±1	/
Band66	3MHz	16QAM	131987	15RB#0	12.76	12.5±1	/
Band66	3MHz	16QAM	132322	1RB#0	13.22	12.5±1	/
Band66	3MHz	16QAM	132322	1RB#8	13.16	12.5±1	/
Band66	3MHz	16QAM	132322	1RB#14	13.16	12.5±1	/
Band66	3MHz	16QAM	132322	8RB#0	13.05	12.5±1	/
Band66	3MHz	16QAM	132322	8RB#4	13.04	12.5±1	/
Band66	3MHz	16QAM	132322	8RB#7	13.04	12.5±1	/
Band66	3MHz	16QAM	132322	15RB#0	12.94	12.5±1	/
Band66	3MHz	16QAM	132657	1RB#0	13.10	12.5±1	/
Band66	3MHz	16QAM	132657	1RB#8	13.13	12.5±1	/
Band66	3MHz	16QAM	132657	1RB#14	13.11	12.5±1	/
Band66	3MHz	16QAM	132657	8RB#0	13.19	12.5±1	/
Band66	3MHz	16QAM	132657	8RB#4	13.22	12.5±1	/
Band66	3MHz	16QAM	132657	8RB#7	13.21	12.5±1	/
Band66	3MHz	16QAM	132657	15RB#0	13.07	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	5MHz	QPSK	131997	1RB#0	12.80	12.5±1	/
Band66	5MHz	QPSK	131997	1RB#12	12.92	12.5±1	/
Band66	5MHz	QPSK	131997	1RB#24	12.85	12.5±1	/
Band66	5MHz	QPSK	131997	12RB#0	12.85	12.5±1	/
Band66	5MHz	QPSK	131997	12RB#6	12.84	12.5±1	/
Band66	5MHz	QPSK	131997	12RB#13	12.87	12.5±1	/
Band66	5MHz	QPSK	131997	25RB#0	12.90	12.5±1	/
Band66	5MHz	QPSK	132322	1RB#0	12.98	12.5±1	/
Band66	5MHz	QPSK	132322	1RB#12	13.12	12.5±1	/
Band66	5MHz	QPSK	132322	1RB#24	13.04	12.5±1	/
Band66	5MHz	QPSK	132322	12RB#0	13.05	12.5±1	/
Band66	5MHz	QPSK	132322	12RB#6	13.10	12.5±1	/
Band66	5MHz	QPSK	132322	12RB#13	13.02	12.5±1	/
Band66	5MHz	QPSK	132322	25RB#0	13.05	12.5±1	/
Band66	5MHz	QPSK	132647	1RB#0	13.21	12.5±1	/
Band66	5MHz	QPSK	132647	1RB#12	13.32	12.5±1	/
Band66	5MHz	QPSK	132647	1RB#24	13.22	12.5±1	/
Band66	5MHz	QPSK	132647	12RB#0	13.18	12.5±1	/
Band66	5MHz	QPSK	132647	12RB#6	13.18	12.5±1	/
Band66	5MHz	QPSK	132647	12RB#13	13.23	12.5±1	/
Band66	5MHz	QPSK	132647	25RB#0	13.21	12.5±1	/
Band66	5MHz	16QAM	131997	1RB#0	12.78	12.5±1	/
Band66	5MHz	16QAM	131997	1RB#12	12.95	12.5±1	/
Band66	5MHz	16QAM	131997	1RB#24	12.85	12.5±1	/
Band66	5MHz	16QAM	131997	12RB#0	12.79	12.5±1	/
Band66	5MHz	16QAM	131997	12RB#6	12.82	12.5±1	/
Band66	5MHz	16QAM	131997	12RB#13	12.83	12.5±1	/
Band66	5MHz	16QAM	131997	25RB#0	12.86	12.5±1	/
Band66	5MHz	16QAM	132322	1RB#0	13.18	12.5±1	/
Band66	5MHz	16QAM	132322	1RB#12	13.32	12.5±1	/
Band66	5MHz	16QAM	132322	1RB#24	13.19	12.5±1	/
Band66	5MHz	16QAM	132322	12RB#0	13.05	12.5±1	/
Band66	5MHz	16QAM	132322	12RB#6	13.06	12.5±1	/
Band66	5MHz	16QAM	132322	12RB#13	13.03	12.5±1	/
Band66	5MHz	16QAM	132322	25RB#0	12.99	12.5±1	/
Band66	5MHz	16QAM	132647	1RB#0	13.15	12.5±1	/
Band66	5MHz	16QAM	132647	1RB#12	13.26	12.5±1	/
Band66	5MHz	16QAM	132647	1RB#24	13.16	12.5±1	/
Band66	5MHz	16QAM	132647	12RB#0	13.15	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	5MHz	16QAM	132647	12RB#6	13.19	12.5±1	/
Band66	5MHz	16QAM	132647	12RB#13	13.17	12.5±1	/
Band66	5MHz	16QAM	132647	25RB#0	13.21	12.5±1	/
Band66	10MHz	QPSK	132022	1RB#0	12.79	12.5±1	/
Band66	10MHz	QPSK	132022	1RB#24	12.90	12.5±1	/
Band66	10MHz	QPSK	132022	1RB#49	12.80	12.5±1	/
Band66	10MHz	QPSK	132022	25RB#0	12.85	12.5±1	/
Band66	10MHz	QPSK	132022	25RB#12	12.85	12.5±1	/
Band66	10MHz	QPSK	132022	25RB#25	12.95	12.5±1	/
Band66	10MHz	QPSK	132022	50RB#0	12.92	12.5±1	/
Band66	10MHz	QPSK	132322	1RB#0	12.98	12.5±1	/
Band66	10MHz	QPSK	132322	1RB#24	13.16	12.5±1	/
Band66	10MHz	QPSK	132322	1RB#49	13.02	12.5±1	/
Band66	10MHz	QPSK	132322	25RB#0	13.10	12.5±1	/
Band66	10MHz	QPSK	132322	25RB#12	13.12	12.5±1	/
Band66	10MHz	QPSK	132322	25RB#25	13.11	12.5±1	/
Band66	10MHz	QPSK	132322	50RB#0	13.12	12.5±1	/
Band66	10MHz	QPSK	132622	1RB#0	13.17	12.5±1	/
Band66	10MHz	QPSK	132622	1RB#24	13.34	12.5±1	/
Band66	10MHz	QPSK	132622	1RB#49	13.15	12.5±1	/
Band66	10MHz	QPSK	132622	25RB#0	13.31	12.5±1	/
Band66	10MHz	QPSK	132622	25RB#12	13.28	12.5±1	/
Band66	10MHz	QPSK	132622	25RB#25	13.28	12.5±1	/
Band66	10MHz	QPSK	132622	50RB#0	13.24	12.5±1	/
Band66	10MHz	16QAM	132022	1RB#0	12.94	12.5±1	/
Band66	10MHz	16QAM	132022	1RB#24	13.08	12.5±1	/
Band66	10MHz	16QAM	132022	1RB#49	12.92	12.5±1	/
Band66	10MHz	16QAM	132022	25RB#0	12.86	12.5±1	/
Band66	10MHz	16QAM	132022	25RB#12	12.80	12.5±1	/
Band66	10MHz	16QAM	132022	25RB#25	12.90	12.5±1	/
Band66	10MHz	16QAM	132022	50RB#0	12.89	12.5±1	/
Band66	10MHz	16QAM	132322	1RB#0	13.12	12.5±1	/
Band66	10MHz	16QAM	132322	1RB#24	13.28	12.5±1	/
Band66	10MHz	16QAM	132322	1RB#49	13.15	12.5±1	/
Band66	10MHz	16QAM	132322	25RB#0	13.11	12.5±1	/
Band66	10MHz	16QAM	132322	25RB#12	13.08	12.5±1	/
Band66	10MHz	16QAM	132322	25RB#25	13.07	12.5±1	/
Band66	10MHz	16QAM	132322	50RB#0	13.08	12.5±1	/
Band66	10MHz	16QAM	132622	1RB#0	13.03	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	10MHz	16QAM	132622	1RB#24	13.23	12.5±1	/
Band66	10MHz	16QAM	132622	1RB#49	13.02	12.5±1	/
Band66	10MHz	16QAM	132622	25RB#0	13.28	12.5±1	/
Band66	10MHz	16QAM	132622	25RB#12	13.30	12.5±1	/
Band66	10MHz	16QAM	132622	25RB#25	13.28	12.5±1	/
Band66	10MHz	16QAM	132622	50RB#0	13.18	12.5±1	/
Band66	15MHz	QPSK	132047	1RB#0	12.69	12.5±1	/
Band66	15MHz	QPSK	132047	1RB#38	12.87	12.5±1	/
Band66	15MHz	QPSK	132047	1RB#74	12.68	12.5±1	/
Band66	15MHz	QPSK	132047	38RB#0	12.92	12.5±1	/
Band66	15MHz	QPSK	132047	38RB#18	12.90	12.5±1	/
Band66	15MHz	QPSK	132047	38RB#37	12.89	12.5±1	/
Band66	15MHz	QPSK	132047	75RB#0	12.93	12.5±1	/
Band66	15MHz	QPSK	132322	1RB#0	12.85	12.5±1	/
Band66	15MHz	QPSK	132322	1RB#38	13.05	12.5±1	/
Band66	15MHz	QPSK	132322	1RB#74	12.83	12.5±1	/
Band66	15MHz	QPSK	132322	38RB#0	13.06	12.5±1	/
Band66	15MHz	QPSK	132322	38RB#18	13.07	12.5±1	/
Band66	15MHz	QPSK	132322	38RB#37	13.08	12.5±1	/
Band66	15MHz	QPSK	132322	75RB#0	13.05	12.5±1	/
Band66	15MHz	QPSK	132597	1RB#0	13.02	12.5±1	/
Band66	15MHz	QPSK	132597	1RB#38	13.23	12.5±1	/
Band66	15MHz	QPSK	132597	1RB#74	13.00	12.5±1	/
Band66	15MHz	QPSK	132597	38RB#0	13.25	12.5±1	/
Band66	15MHz	QPSK	132597	38RB#18	13.27	12.5±1	/
Band66	15MHz	QPSK	132597	38RB#37	13.30	12.5±1	/
Band66	15MHz	QPSK	132597	75RB#0	13.27	12.5±1	/
Band66	15MHz	16QAM	132047	1RB#0	12.87	12.5±1	/
Band66	15MHz	16QAM	132047	1RB#38	13.04	12.5±1	/
Band66	15MHz	16QAM	132047	1RB#74	12.83	12.5±1	/
Band66	15MHz	16QAM	132047	38RB#0	12.92	12.5±1	/
Band66	15MHz	16QAM	132047	38RB#18	12.92	12.5±1	/
Band66	15MHz	16QAM	132047	38RB#37	12.89	12.5±1	/
Band66	15MHz	16QAM	132047	75RB#0	12.82	12.5±1	/
Band66	15MHz	16QAM	132322	1RB#0	13.18	12.5±1	/
Band66	15MHz	16QAM	132322	1RB#38	13.25	12.5±1	/
Band66	15MHz	16QAM	132322	1RB#74	13.10	12.5±1	/
Band66	15MHz	16QAM	132322	38RB#0	13.05	12.5±1	/
Band66	15MHz	16QAM	132322	38RB#18	13.08	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	15MHz	16QAM	132322	38RB#37	13.08	12.5±1	/
Band66	15MHz	16QAM	132322	75RB#0	13.05	12.5±1	/
Band66	15MHz	16QAM	132597	1RB#0	12.94	12.5±1	/
Band66	15MHz	16QAM	132597	1RB#38	13.10	12.5±1	/
Band66	15MHz	16QAM	132597	1RB#74	12.93	12.5±1	/
Band66	15MHz	16QAM	132597	38RB#0	13.28	12.5±1	/
Band66	15MHz	16QAM	132597	38RB#18	13.24	12.5±1	/
Band66	15MHz	16QAM	132597	38RB#37	13.27	12.5±1	/
Band66	15MHz	16QAM	132597	75RB#0	13.21	12.5±1	/
Band66	20MHz	QPSK	132072	1RB#0	12.59	12.5±1	/
Band66	20MHz	QPSK	132072	1RB#49	13.07	12.5±1	/
Band66	20MHz	QPSK	132072	1RB#99	12.54	12.5±1	/
Band66	20MHz	QPSK	132072	50RB#0	12.76	12.5±1	/
Band66	20MHz	QPSK	132072	50RB#25	12.73	12.5±1	/
Band66	20MHz	QPSK	132072	50RB#50	12.89	12.5±1	/
Band66	20MHz	QPSK	132072	100RB#0	12.88	12.5±1	/
Band66	20MHz	QPSK	132322	1RB#0	12.62	12.5±1	/
Band66	20MHz	QPSK	132322	1RB#49	13.08	12.5±1	/
Band66	20MHz	QPSK	132322	1RB#99	12.69	12.5±1	/
Band66	20MHz	QPSK	132322	50RB#0	13.13	12.5±1	/
Band66	20MHz	QPSK	132322	50RB#25	13.14	12.5±1	/
Band66	20MHz	QPSK	132322	50RB#50	13.09	12.5±1	/
Band66	20MHz	QPSK	132322	100RB#0	13.07	12.5±1	/
Band66	20MHz	QPSK	132572	1RB#0	12.91	12.5±1	/
Band66	20MHz	QPSK	132572	1RB#49	13.24	12.5±1	/
Band66	20MHz	QPSK	132572	1RB#99	12.91	12.5±1	/
Band66	20MHz	QPSK	132572	50RB#0	13.39	12.5±1	/
Band66	20MHz	QPSK	132572	50RB#25	13.39	12.5±1	/
Band66	20MHz	QPSK	132572	50RB#50	13.04	12.5±1	/
Band66	20MHz	QPSK	132572	100RB#0	13.25	12.5±1	/
Band66	20MHz	16QAM	132072	1RB#0	12.75	12.5±1	/
Band66	20MHz	16QAM	132072	1RB#49	13.16	12.5±1	/
Band66	20MHz	16QAM	132072	1RB#99	12.73	12.5±1	/
Band66	20MHz	16QAM	132072	50RB#0	12.72	12.5±1	/
Band66	20MHz	16QAM	132072	50RB#25	12.73	12.5±1	/
Band66	20MHz	16QAM	132072	50RB#50	12.91	12.5±1	/
Band66	20MHz	16QAM	132072	100RB#0	12.81	12.5±1	/
Band66	20MHz	16QAM	132322	1RB#0	12.68	12.5±1	/
Band66	20MHz	16QAM	132322	1RB#49	13.16	12.5±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band66	20MHz	16QAM	132322	1RB#99	12.74	12.5±1	/
Band66	20MHz	16QAM	132322	50RB#0	13.15	12.5±1	/
Band66	20MHz	16QAM	132322	50RB#25	13.15	12.5±1	/
Band66	20MHz	16QAM	132322	50RB#50	13.05	12.5±1	/
Band66	20MHz	16QAM	132322	100RB#0	13.07	12.5±1	/
Band66	20MHz	16QAM	132572	1RB#0	12.90	12.5±1	/
Band66	20MHz	16QAM	132572	1RB#49	13.27	12.5±1	/
Band66	20MHz	16QAM	132572	1RB#99	12.90	12.5±1	/
Band66	20MHz	16QAM	132572	50RB#0	13.36	12.5±1	/
Band66	20MHz	16QAM	132572	50RB#25	13.33	12.5±1	/
Band66	20MHz	16QAM	132572	50RB#50	13.08	12.5±1	/
Band66	20MHz	16QAM	132572	100RB#0	13.25	12.5±1	/
Band71	5MHz	QPSK	133147	1RB#0	13.42	13.0±1	/
Band71	5MHz	QPSK	133147	1RB#12	13.44	13.0±1	/
Band71	5MHz	QPSK	133147	1RB#24	13.31	13.0±1	/
Band71	5MHz	QPSK	133147	12RB#0	13.29	13.0±1	/
Band71	5MHz	QPSK	133147	12RB#6	13.28	13.0±1	/
Band71	5MHz	QPSK	133147	12RB#13	13.31	13.0±1	/
Band71	5MHz	QPSK	133147	25RB#0	13.32	13.0±1	/
Band71	5MHz	QPSK	133297	1RB#0	13.32	13.0±1	/
Band71	5MHz	QPSK	133297	1RB#12	13.42	13.0±1	/
Band71	5MHz	QPSK	133297	1RB#24	13.29	13.0±1	/
Band71	5MHz	QPSK	133297	12RB#0	13.28	13.0±1	/
Band71	5MHz	QPSK	133297	12RB#6	13.26	13.0±1	/
Band71	5MHz	QPSK	133297	12RB#13	13.25	13.0±1	/
Band71	5MHz	QPSK	133297	25RB#0	13.28	13.0±1	/
Band71	5MHz	QPSK	133447	1RB#0	13.24	13.0±1	/
Band71	5MHz	QPSK	133447	1RB#12	13.39	13.0±1	/
Band71	5MHz	QPSK	133447	1RB#24	13.26	13.0±1	/
Band71	5MHz	QPSK	133447	12RB#0	13.29	13.0±1	/
Band71	5MHz	QPSK	133447	12RB#6	13.29	13.0±1	/
Band71	5MHz	QPSK	133447	12RB#13	13.27	13.0±1	/
Band71	5MHz	QPSK	133447	25RB#0	13.29	13.0±1	/
Band71	5MHz	16QAM	133147	1RB#0	13.57	13.0±1	/
Band71	5MHz	16QAM	133147	1RB#12	13.56	13.0±1	/
Band71	5MHz	16QAM	133147	1RB#24	13.49	13.0±1	/
Band71	5MHz	16QAM	133147	12RB#0	13.28	13.0±1	/
Band71	5MHz	16QAM	133147	12RB#6	13.30	13.0±1	/
Band71	5MHz	16QAM	133147	12RB#13	13.30	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band71	5MHz	16QAM	133147	25RB#0	13.28	13.0±1	/
Band71	5MHz	16QAM	133297	1RB#0	13.27	13.0±1	/
Band71	5MHz	16QAM	133297	1RB#12	13.37	13.0±1	/
Band71	5MHz	16QAM	133297	1RB#24	13.29	13.0±1	/
Band71	5MHz	16QAM	133297	12RB#0	13.24	13.0±1	/
Band71	5MHz	16QAM	133297	12RB#6	13.22	13.0±1	/
Band71	5MHz	16QAM	133297	12RB#13	13.24	13.0±1	/
Band71	5MHz	16QAM	133297	25RB#0	13.30	13.0±1	/
Band71	5MHz	16QAM	133447	1RB#0	13.26	13.0±1	/
Band71	5MHz	16QAM	133447	1RB#12	13.35	13.0±1	/
Band71	5MHz	16QAM	133447	1RB#24	13.23	13.0±1	/
Band71	5MHz	16QAM	133447	12RB#0	13.25	13.0±1	/
Band71	5MHz	16QAM	133447	12RB#6	13.24	13.0±1	/
Band71	5MHz	16QAM	133447	12RB#13	13.27	13.0±1	/
Band71	5MHz	16QAM	133447	25RB#0	13.27	13.0±1	/
Band71	10MHz	QPSK	133172	1RB#0	13.43	13.0±1	/
Band71	10MHz	QPSK	133172	1RB#24	13.46	13.0±1	/
Band71	10MHz	QPSK	133172	1RB#49	13.33	13.0±1	/
Band71	10MHz	QPSK	133172	25RB#0	13.32	13.0±1	/
Band71	10MHz	QPSK	133172	25RB#12	13.33	13.0±1	/
Band71	10MHz	QPSK	133172	25RB#25	13.40	13.0±1	/
Band71	10MHz	QPSK	133172	50RB#0	13.33	13.0±1	/
Band71	10MHz	QPSK	133297	1RB#0	13.31	13.0±1	/
Band71	10MHz	QPSK	133297	1RB#24	13.44	13.0±1	/
Band71	10MHz	QPSK	133297	1RB#49	13.30	13.0±1	/
Band71	10MHz	QPSK	133297	25RB#0	13.37	13.0±1	/
Band71	10MHz	QPSK	133297	25RB#12	13.35	13.0±1	/
Band71	10MHz	QPSK	133297	25RB#25	13.35	13.0±1	/
Band71	10MHz	QPSK	133297	50RB#0	13.32	13.0±1	/
Band71	10MHz	QPSK	133422	1RB#0	13.27	13.0±1	/
Band71	10MHz	QPSK	133422	1RB#24	13.46	13.0±1	/
Band71	10MHz	QPSK	133422	1RB#49	13.30	13.0±1	/
Band71	10MHz	QPSK	133422	25RB#0	13.47	13.0±1	/
Band71	10MHz	QPSK	133422	25RB#12	13.45	13.0±1	/
Band71	10MHz	QPSK	133422	25RB#25	13.37	13.0±1	/
Band71	10MHz	QPSK	133422	50RB#0	13.43	13.0±1	/
Band71	10MHz	16QAM	133172	1RB#0	13.53	13.0±1	/
Band71	10MHz	16QAM	133172	1RB#24	13.54	13.0±1	/
Band71	10MHz	16QAM	133172	1RB#49	13.44	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band71	10MHz	16QAM	133172	25RB#0	13.35	13.0±1	/
Band71	10MHz	16QAM	133172	25RB#12	13.34	13.0±1	/
Band71	10MHz	16QAM	133172	25RB#25	13.42	13.0±1	/
Band71	10MHz	16QAM	133172	50RB#0	13.31	13.0±1	/
Band71	10MHz	16QAM	133297	1RB#0	13.22	13.0±1	/
Band71	10MHz	16QAM	133297	1RB#24	13.33	13.0±1	/
Band71	10MHz	16QAM	133297	1RB#49	13.21	13.0±1	/
Band71	10MHz	16QAM	133297	25RB#0	13.34	13.0±1	/
Band71	10MHz	16QAM	133297	25RB#12	13.34	13.0±1	/
Band71	10MHz	16QAM	133297	25RB#25	13.38	13.0±1	/
Band71	10MHz	16QAM	133297	50RB#0	13.27	13.0±1	/
Band71	10MHz	16QAM	133422	1RB#0	13.42	13.0±1	/
Band71	10MHz	16QAM	133422	1RB#24	13.58	13.0±1	/
Band71	10MHz	16QAM	133422	1RB#49	13.45	13.0±1	/
Band71	10MHz	16QAM	133422	25RB#0	13.41	13.0±1	/
Band71	10MHz	16QAM	133422	25RB#12	13.43	13.0±1	/
Band71	10MHz	16QAM	133422	25RB#25	13.37	13.0±1	/
Band71	10MHz	16QAM	133422	50RB#0	13.35	13.0±1	/
Band71	15MHz	QPSK	133197	1RB#0	13.21	13.0±1	/
Band71	15MHz	QPSK	133197	1RB#38	13.35	13.0±1	/
Band71	15MHz	QPSK	133197	1RB#74	13.15	13.0±1	/
Band71	15MHz	QPSK	133197	38RB#0	13.56	13.0±1	/
Band71	15MHz	QPSK	133197	38RB#18	13.57	13.0±1	/
Band71	15MHz	QPSK	133197	38RB#37	13.37	13.0±1	/
Band71	15MHz	QPSK	133197	75RB#0	13.32	13.0±1	/
Band71	15MHz	QPSK	133297	1RB#0	13.24	13.0±1	/
Band71	15MHz	QPSK	133297	1RB#38	13.30	13.0±1	/
Band71	15MHz	QPSK	133297	1RB#74	13.18	13.0±1	/
Band71	15MHz	QPSK	133297	38RB#0	13.17	13.0±1	/
Band71	15MHz	QPSK	133297	38RB#18	13.18	13.0±1	/
Band71	15MHz	QPSK	133297	38RB#37	13.05	13.0±1	/
Band71	15MHz	QPSK	133297	75RB#0	13.33	13.0±1	/
Band71	15MHz	QPSK	133397	1RB#0	13.16	13.0±1	/
Band71	15MHz	QPSK	133397	1RB#38	13.23	13.0±1	/
Band71	15MHz	QPSK	133397	1RB#74	13.20	13.0±1	/
Band71	15MHz	QPSK	133397	38RB#0	13.34	13.0±1	/
Band71	15MHz	QPSK	133397	38RB#18	13.41	13.0±1	/
Band71	15MHz	QPSK	133397	38RB#37	13.40	13.0±1	/
Band71	15MHz	QPSK	133397	75RB#0	13.34	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band71	15MHz	16QAM	133197	1RB#0	13.59	13.0±1	/
Band71	15MHz	16QAM	133197	1RB#38	13.58	13.0±1	/
Band71	15MHz	16QAM	133197	1RB#74	13.41	13.0±1	/
Band71	15MHz	16QAM	133197	38RB#0	13.55	13.0±1	/
Band71	15MHz	16QAM	133197	38RB#18	13.59	13.0±1	/
Band71	15MHz	16QAM	133197	38RB#37	13.47	13.0±1	/
Band71	15MHz	16QAM	133197	75RB#0	13.39	13.0±1	/
Band71	15MHz	16QAM	133297	1RB#0	13.18	13.0±1	/
Band71	15MHz	16QAM	133297	1RB#38	13.18	13.0±1	/
Band71	15MHz	16QAM	133297	1RB#74	13.10	13.0±1	/
Band71	15MHz	16QAM	133297	38RB#0	13.16	13.0±1	/
Band71	15MHz	16QAM	133297	38RB#18	13.21	13.0±1	/
Band71	15MHz	16QAM	133297	38RB#37	13.11	13.0±1	/
Band71	15MHz	16QAM	133297	75RB#0	13.28	13.0±1	/
Band71	15MHz	16QAM	133397	1RB#0	13.36	13.0±1	/
Band71	15MHz	16QAM	133397	1RB#38	13.42	13.0±1	/
Band71	15MHz	16QAM	133397	1RB#74	13.36	13.0±1	/
Band71	15MHz	16QAM	133397	38RB#0	13.36	13.0±1	/
Band71	15MHz	16QAM	133397	38RB#18	13.36	13.0±1	/
Band71	15MHz	16QAM	133397	38RB#37	13.37	13.0±1	/
Band71	15MHz	16QAM	133397	75RB#0	13.25	13.0±1	/
Band71	20MHz	QPSK	133222	1RB#0	13.24	13.0±1	/
Band71	20MHz	QPSK	133222	1RB#49	13.36	13.0±1	/
Band71	20MHz	QPSK	133222	1RB#99	13.07	13.0±1	/
Band71	20MHz	QPSK	133222	50RB#0	13.29	13.0±1	/
Band71	20MHz	QPSK	133222	50RB#25	13.26	13.0±1	/
Band71	20MHz	QPSK	133222	50RB#50	13.32	13.0±1	/
Band71	20MHz	QPSK	133222	100RB#0	13.26	13.0±1	/
Band71	20MHz	QPSK	133322	1RB#0	12.99	13.0±1	/
Band71	20MHz	QPSK	133322	1RB#49	13.34	13.0±1	/
Band71	20MHz	QPSK	133322	1RB#99	12.98	13.0±1	/
Band71	20MHz	QPSK	133322	50RB#0	13.29	13.0±1	/
Band71	20MHz	QPSK	133322	50RB#25	13.22	13.0±1	/
Band71	20MHz	QPSK	133322	50RB#50	13.24	13.0±1	/
Band71	20MHz	QPSK	133322	100RB#0	13.25	13.0±1	/
Band71	20MHz	QPSK	133372	1RB#0	13.14	13.0±1	/
Band71	20MHz	QPSK	133372	1RB#49	13.39	13.0±1	/
Band71	20MHz	QPSK	133372	1RB#99	13.17	13.0±1	/
Band71	20MHz	QPSK	133372	50RB#0	13.34	13.0±1	/

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Tune up limited (dBm)	MPR (dB)
Band71	20MHz	QPSK	133372	50RB#25	13.22	13.0±1	/
Band71	20MHz	QPSK	133372	50RB#50	13.18	13.0±1	/
Band71	20MHz	QPSK	133372	100RB#0	13.23	13.0±1	/
Band71	20MHz	16QAM	133222	1RB#0	13.37	13.0±1	/
Band71	20MHz	16QAM	133222	1RB#49	13.69	13.0±1	/
Band71	20MHz	16QAM	133222	1RB#99	13.26	13.0±1	/
Band71	20MHz	16QAM	133222	50RB#0	13.34	13.0±1	/
Band71	20MHz	16QAM	133222	50RB#25	13.25	13.0±1	/
Band71	20MHz	16QAM	133222	50RB#50	13.23	13.0±1	/
Band71	20MHz	16QAM	133222	100RB#0	13.27	13.0±1	/
Band71	20MHz	16QAM	133322	1RB#0	13.10	13.0±1	/
Band71	20MHz	16QAM	133322	1RB#49	13.31	13.0±1	/
Band71	20MHz	16QAM	133322	1RB#99	13.07	13.0±1	/
Band71	20MHz	16QAM	133322	50RB#0	13.29	13.0±1	/
Band71	20MHz	16QAM	133322	50RB#25	13.32	13.0±1	/
Band71	20MHz	16QAM	133322	50RB#50	13.29	13.0±1	/
Band71	20MHz	16QAM	133322	100RB#0	13.20	13.0±1	/
Band71	20MHz	16QAM	133372	1RB#0	13.13	13.0±1	/
Band71	20MHz	16QAM	133372	1RB#49	13.39	13.0±1	/
Band71	20MHz	16QAM	133372	1RB#99	13.11	13.0±1	/
Band71	20MHz	16QAM	133372	50RB#0	13.24	13.0±1	/
Band71	20MHz	16QAM	133372	50RB#25	13.22	13.0±1	/
Band71	20MHz	16QAM	133372	50RB#50	13.15	13.0±1	/
Band71	20MHz	16QAM	133372	100RB#0	13.17	13.0±1	/

WIFI Mode (2.4G)

Mode	Channel number	Frequency (MHz)	Data rate (Mbps)	Average Output Power(dBm)	Average Tune up limited(dBm)
802.11b	1	2412	1	11.5	11.0±1
	6	2437	1	11.6	11.0±1
	11	2462	1	11.4	11.0±1
802.11g	1	2412	6	11.3	11.0±1
	6	2437	6	11.5	11.0±1
	11	2462	6	11.3	11.0±1
802.11n(HT20)	1	2412	MCS0	11.2	11.0±1
	6	2437	MCS0	11.4	11.0±1
	11	2462	MCS0	11.1	11.0±1

WIFI Mode (5G)

Mode	Frequency (MHz)	Data rate (Mbps)	Output Power(dBm)	Tune up limited(dBm)
11A	5180	MCS0	4.37	4.0±1
	5200	MCS0	4.37	4.0±1
	5240	MCS0	4.59	4.0±1
	5260	MCS0	4.70	4.0±1
	5280	MCS0	4.76	4.0±1
	5320	MCS0	4.81	4.0±1
	5745	MCS0	2.45	2.0±1
	5785	MCS0	2.53	2.0±1
	5825	MCS0	2.56	2.0±1
11N20	5180	MCS0	4.16	4.0±1
	5200	MCS0	4.13	4.0±1
	5240	MCS0	4.30	4.0±1
	5260	MCS0	4.39	4.0±1
	5280	MCS0	4.33	4.0±1
	5320	MCS0	4.56	4.0±1
	5745	MCS0	2.05	2.0±1
	5785	MCS0	2.16	2.0±1
	5825	MCS0	2.38	2.0±1
11N40	5190	MCS0	4.00	4.0±1
	5230	MCS0	4.24	4.0±1
	5270	MCS0	4.43	4.0±1
	5310	MCS0	4.52	4.0±1
	5755	MCS0	2.20	2.0±1
	5795	MCS0	2.40	2.0±1
11AC20	5180	MCS0	3.89	4.0±1
	5200	MCS0	3.91	4.0±1
	5240	MCS0	4.10	4.0±1
	5260	MCS0	4.24	4.0±1
	5280	MCS0	4.39	4.0±1
	5320	MCS0	4.00	4.0±1
	5745	MCS0	1.62	2.0±1
	5785	MCS0	1.64	2.0±1
	5825	MCS0	1.78	2.0±1
11AC40	5190	MCS0	3.34	3.0±1
	5230	MCS0	3.58	3.0±1
	5270	MCS0	3.78	3.0±1

	5310	MCS0	3.86	3.0±1
	5755	MCS0	1.53	1.0±1
	5795	MCS0	1.69	1.0±1
11AC80	5210	MCS0	3.56	3.0±1
	5290	MCS0	3.95	3.0±1
	5775	MCS0	1.71	1.0±1

Bluetooth Measurement Result

Mode	Frequency (MHz)	Output Power(dBm)	Tune up limited(dBm)
GFSK	2402	-2.13	-2.0±2
	2441	-1.49	-2.0±2
	2480	-3.93	-2.0±2
$\pi/4$ DQPSK	2402	-2.23	-2.0±2
	2441	-1.56	-2.0±2
	2480	-3.96	-2.0±2
8DPSK	2402	-2.32	-2.0±2
	2441	-1.59	-2.0±2
	2480	-3.98	-2.0±2

BLE Measurement Result

Channel number	Frequency (MHz)	Output Power(dBm)	Tune up limited(dBm)
0	2402	-4.27	-5.0±2
19	2440	-3.69	-5.0±2
39	2480	-6.01	-5.0±2

12.2 SAR TEST RESULTS

(Trigger SAR Sensor)

Band	Mode	Test Position	Channel	RB	offset	Maximum Tune-up (dBm)	Conducted Power (dBm)	SAR 1g	Scaling Factor	Report 1g SAR
GSM850	GSM	Top Edge	128	-	-	25.5	25.48	0.233	1.00	0.234
GSM850	GSM	Rear Face	128	-	-	25.5	25.48	0.095	1.00	0.095
GSM850	GSM	Right Side	128	-	-	25.5	25.48	0.010	1.00	0.010
GSM1900	GSM	Top Edge	810	-	-	22.5	22.39	0.560	1.03	0.574
GSM1900	GSM	Rear Face	810	-	-	22.5	22.39	0.211	1.03	0.216
GSM1900	GSM	Right Side	810	-	-	22.5	22.39	0.018	1.03	0.018
WCDMA 2	RMC12.2K	Top Edge	9262	-	-	15.0	14.68	0.468	1.08	0.504
WCDMA 2	RMC12.2K	Rear Face	9262	-	-	15.0	14.68	0.210	1.08	0.226
WCDMA 2	RMC12.2K	Right Side	9262	-	-	15.0	14.68	0.013	1.08	0.014
WCDMA 4	RMC12.2K	Top Edge	1513	-	-	15.0	14.59	0.558	1.10	0.613
WCDMA 4	RMC12.2K	Rear Face	1513	-	-	15.0	14.59	0.301	1.10	0.331
WCDMA 4	RMC12.2K	Right Side	1513	-	-	15.0	14.59	0.018	1.10	0.020
WCDMA 5	RMC12.2K	Top Edge	4233	-	-	15.5	15.28	0.520	1.05	0.547
WCDMA 5	RMC12.2K	Rear Face	4233	-	-	15.5	15.28	0.230	1.05	0.242
WCDMA 5	RMC12.2K	Right Side	4233	-	-	15.5	15.28	0.001	1.05	0.001
LTE 2	QPSK20M	Top Edge	19100	1	49	14.0	13.51	0.371	1.12	0.415
LTE 2	QPSK20M	Rear Face	19100	1	49	14.0	13.51	0.103	1.12	0.115
LTE 2	QPSK20M	Right Side	19100	1	49	14.0	13.51	0.011	1.12	0.012
LTE 2	QPSK20M	Top Edge	19100	50	0	14.0	13.45	0.334	1.14	0.379
LTE 2	QPSK20M	Rear Face	19100	50	0	14.0	13.45	0.095	1.14	0.108
LTE 2	QPSK20M	Right Side	19100	50	0	14.0	13.45	0.011	1.14	0.012
LTE 4	QPSK20M	Top Edge	20300	1	49	13.5	13.11	0.539	1.09	0.590
LTE 4	QPSK20M	Rear Face	20300	1	49	13.5	13.11	0.214	1.09	0.234
LTE 4	QPSK20M	Right Side	20300	1	49	13.5	13.11	0.016	1.09	0.018
LTE 4	QPSK20M	Top Edge	20300	50	0	13.5	12.98	0.546	1.13	0.615
LTE 4	QPSK20M	Rear Face	20300	50	0	13.5	12.98	0.217	1.13	0.245
LTE 4	QPSK20M	Right Side	20300	50	0	13.5	12.98	0.018	1.13	0.020
LTE 5	QPSK10M	Top Edge	20450	1	24	14.5	14.27	0.344	1.05	0.363
LTE 5	QPSK10M	Rear Face	20450	1	24	14.5	14.27	0.164	1.05	0.173
LTE 5	QPSK10M	Right Side	20450	1	24	14.5	14.27	0.001	1.05	0.001
LTE 5	QPSK10M	Top Edge	20450	50	0	14.5	14.11	0.344	1.09	0.376
LTE 5	QPSK10M	Rear Face	20450	50	0	14.5	14.11	0.159	1.09	0.174
LTE 5	QPSK10M	Right Side	20450	50	0	14.5	14.11	0.001	1.09	0.001
LTE 12	QPSK10M	Top Edge	23130	1	24	14.0	13.73	0.043	1.06	0.046
LTE 12	QPSK10M	Rear Face	23130	1	24	14.0	13.73	0.031	1.06	0.033
LTE 12	QPSK10M	Right Side	23130	1	24	14.0	13.73	0.010	1.06	0.011
LTE 12	QPSK10M	Top Edge	23130	50	0	14.0	13.56	0.047	1.11	0.052
LTE 12	QPSK10M	Rear Face	23130	50	0	14.0	13.56	0.033	1.11	0.036

Band	Mode	Test Position	Channel	RB	offset	Maximum Tune-up (dBm)	Conducted Power (dBm)	SAR 1g	Scaling Factor	Report 1g SAR
LTE 12	QPSK10M	Right Side	23130	50	0	14.0	13.56	0.010	1.11	0.011
LTE 17	QPSK10M	Top Edge	23780	1	24	14.0	13.70	0.045	1.07	0.049
LTE 17	QPSK10M	Rear Face	23780	1	24	14.0	13.70	0.036	1.07	0.038
LTE 17	QPSK10M	Right Side	23780	1	24	14.0	13.70	0.002	1.07	0.002
LTE 17	QPSK10M	Top Edge	23780	50	0	14.0	13.50	0.048	1.12	0.054
LTE 17	QPSK10M	Rear Face	23780	50	0	14.0	13.50	0.035	1.12	0.039
LTE 17	QPSK10M	Right Side	23780	50	0	14.0	13.50	0.002	1.12	0.002
LTE 25	QPSK20M	Top Edge	26140	1	49	14.0	13.56	0.367	1.11	0.406
LTE 25	QPSK20M	Rear Face	26140	1	49	14.0	13.56	0.126	1.11	0.139
LTE 25	QPSK20M	Right Side	26140	1	49	14.0	13.56	0.010	1.11	0.011
LTE 25	QPSK20M	Top Edge	26140	50	0	14.0	13.52	0.352	1.12	0.393
LTE 25	QPSK20M	Rear Face	26140	50	0	14.0	13.52	0.115	1.12	0.128
LTE 25	QPSK20M	Right Side	26140	50	0	14.0	13.52	0.010	1.12	0.011
LTE 26A	QPSK10M	Top Edge	26765	1	38	14.5	14.41	0.164	1.02	0.175
LTE 26A	QPSK10M	Rear Face	26765	1	38	14.5	14.41	0.208	1.02	0.212
LTE 26A	QPSK10M	Right Side	26765	1	38	14.5	14.41	0.002	1.02	0.002
LTE 26B	QPSK15M	Top Edge	26965	1	38	14.5	14.21	0.396	1.07	0.404
LTE 26B	QPSK15M	Rear Face	26965	1	38	14.5	14.21	0.098	1.07	0.105
LTE 26B	QPSK15M	Right Side	26965	1	38	14.5	14.21	0.001	1.07	0.001
LTE 41	QPSK20M	Top Edge	40620	1	49	18.0	17.55	0.181	1.11	0.202
LTE 41	QPSK20M	Rear Face	40620	1	49	18.0	17.55	0.151	1.11	0.167
LTE 41	QPSK20M	Right Side	40620	1	49	18.0	17.55	0.018	1.11	0.020
LTE 41	QPSK20M	Top Edge	40620	50	0	18.0	17.36	0.182	1.16	0.211
LTE 41	QPSK20M	Rear Face	40620	50	0	18.0	17.36	0.172	1.16	0.199
LTE 41	QPSK20M	Right Side	40620	50	0	18.0	17.36	0.020	1.16	0.023
LTE 66	QPSK20M	Top Edge	132572	1	49	13.5	13.39	0.528	1.03	0.543
LTE 66	QPSK20M	Rear Face	132572	1	49	13.5	13.39	0.199	1.03	0.204
LTE 66	QPSK20M	Right Side	132572	1	49	13.5	13.39	0.015	1.03	0.015
LTE 66	QPSK20M	Top Edge	132572	50	0	13.5	13.33	0.529	1.04	0.550
LTE 66	QPSK20M	Rear Face	132572	50	0	13.5	13.33	0.195	1.04	0.203
LTE 66	QPSK20M	Right Side	132572	50	0	13.5	13.33	0.015	1.04	0.016
LTE 71	QPSK20M	Top Edge	133372	1	49	14.0	13.69	0.132	1.07	0.143
LTE 71	QPSK20M	Rear Face	133372	1	49	14.0	13.69	0.053	1.07	0.057
LTE 71	QPSK20M	Right Side	133372	1	49	14.0	13.69	0.052	1.07	0.056
LTE 71	QPSK20M	Top Edge	133372	50	0	14.0	13.37	0.133	1.16	0.154
LTE 71	QPSK20M	Rear Face	133372	50	0	14.0	13.37	0.051	1.16	0.059
LTE 71	QPSK20M	Right Side	133372	50	0	14.0	13.37	0.042	1.16	0.049
802.11b	-	Left Side	6	-	-	12.0	11.60	0.212	1.10	0.232
802.11b	-	Rear Face	6	-	-	12.0	11.60	0.699	1.10	0.766
802.11A	-	Left Side	48	-	-	5.0	4.59	0.508	1.10	0.558
802.11A	-	Rear Face	48	-	-	5.0	4.59	0.344	1.10	0.378
802.11A	-	Left Side	64	-	-	5.0	4.76	0.458	1.06	0.484

Band	Mode	Test Position	Channel	RB	offset	Maximum Tune-up (dBm)	Conducted Power (dBm)	SAR 1g	Scaling Factor	Report 1g SAR
802.11A	-	Rear Face	64	-	-	5.0	4.76	0.329	1.06	0.348
802.11A	-	Left Side	165	-	-	3.0	2.56	0.496	1.11	0.549
802.11A	-	Rear Face	165	-	-	3.0	2.56	0.460	1.11	0.509

(No trigger SAR Sensor, Test distance: 14mm)

Band	Mode	Test Position	Channel	RB	offset	Maximum Tune-up (dBm)	Conducted Power (dBm)	SAR 1g	Scaling Factor	Report 1g SAR
GSM850	GSM	Top Edge	128	-	-	33.5	33.45	0.021	1.01	0.021
GSM850	GSM	Rear Face	128	-	-	33.5	33.45	0.021	1.01	0.021
GSM850	GSM	Right Side	128	-	-	33.5	33.45	0.001	1.01	0.001
GSM1900	GSM	Top Edge	810	-	-	30.5	30.40	0.233	1.02	0.238
GSM1900	GSM	Rear Face	810	-	-	30.5	30.40	0.125	1.02	0.128
GSM1900	GSM	Right Side	810	-	-	30.5	30.40	0.037	1.02	0.037
WCDMA 2	RMC12.2K	Top Edge	9262	-	-	24.5	24.07	0.296	1.10	0.327
WCDMA 2	RMC12.2K	Rear Face	9262	-	-	24.5	24.07	0.182	1.10	0.201
WCDMA 2	RMC12.2K	Right Side	9262	-	-	24.5	24.07	0.042	1.10	0.046
WCDMA 4	RMC12.2K	Top Edge	1513	-	-	24.5	24.05	0.512	1.11	0.568
WCDMA 4	RMC12.2K	Rear Face	1513	-	-	24.5	24.05	0.302	1.11	0.335
WCDMA 4	RMC12.2K	Right Side	1513	-	-	24.5	24.05	0.064	1.11	0.071
WCDMA 5	RMC12.2K	Top Edge	4233	-	-	25.0	24.80	0.088	1.05	0.092
WCDMA 5	RMC12.2K	Rear Face	4233	-	-	25.0	24.80	0.078	1.05	0.082
WCDMA 5	RMC12.2K	Right Side	4233	-	-	25.0	24.80	0.005	1.05	0.005
LTE 2	QPSK20M	Top Edge	19100	1	49	24.0	23.91	0.245	1.02	0.250
LTE 2	QPSK20M	Rear Face	19100	1	49	24.0	23.91	0.156	1.02	0.159
LTE 2	QPSK20M	Right Side	19100	1	49	24.0	23.91	0.045	1.02	0.046
LTE 2	QPSK20M	Top Edge	19100	50	0	24.0	23.50	0.185	1.12	0.208
LTE 2	QPSK20M	Rear Face	19100	50	0	24.0	23.50	0.118	1.12	0.132
LTE 2	QPSK20M	Right Side	19100	50	0	24.0	23.50	0.033	1.12	0.037
LTE 4	QPSK20M	Top Edge	20300	1	49	24.0	23.50	0.625	1.12	0.701
LTE 4	QPSK20M	Rear Face	20300	1	49	24.0	23.50	0.356	1.12	0.399
LTE 4	QPSK20M	Right Side	20300	1	49	24.0	23.50	0.072	1.12	0.081
LTE 4	QPSK20M	Top Edge	20300	50	0	24.0	23.18	0.490	1.21	0.592
LTE 4	QPSK20M	Rear Face	20300	50	0	24.0	23.18	0.283	1.21	0.342
LTE 4	QPSK20M	Right Side	20300	50	0	24.0	23.18	0.058	1.21	0.069
LTE 5	QPSK10M	Top Edge	20450	1	24	25.0	24.61	0.056	1.09	0.062
LTE 5	QPSK10M	Rear Face	20450	1	24	25.0	24.61	0.047	1.09	0.052
LTE 5	QPSK10M	Right Side	20450	1	24	25.0	24.61	0.003	1.09	0.003
LTE 5	QPSK10M	Top Edge	20450	50	0	24.0	23.45	0.054	1.14	0.061
LTE 5	QPSK10M	Rear Face	20450	50	0	24.0	23.45	0.047	1.14	0.053
LTE 5	QPSK10M	Right Side	20450	50	0	24.0	23.45	0.027	1.14	0.031
LTE 12	QPSK10M	Top Edge	23130	1	24	24.5	24.15	0.031	1.08	0.034

Band	Mode	Test Position	Channel	RB	offset	Maximum Tune-up (dBm)	Conducted Power (dBm)	SAR 1g	Scaling Factor	Report 1g SAR
LTE 12	QPSK10M	Rear Face	23130	1	24	24.5	24.15	0.100	1.08	0.108
LTE 12	QPSK10M	Right Side	23130	1	24	24.5	24.15	0.005	1.08	0.005
LTE 12	QPSK10M	Top Edge	23130	50	0	24.5	24.00	0.003	1.12	0.003
LTE 12	QPSK10M	Rear Face	23130	50	0	24.5	24.00	0.082	1.12	0.091
LTE 12	QPSK10M	Right Side	23130	50	0	24.5	24.00	0.004	1.12	0.004
LTE 17	QPSK10M	Top Edge	23780	1	24	24.5	24.10	0.032	1.10	0.036
LTE 17	QPSK10M	Rear Face	23780	1	24	24.5	24.10	0.104	1.10	0.114
LTE 17	QPSK10M	Right Side	23780	1	24	24.5	24.10	0.004	1.10	0.005
LTE 17	QPSK10M	Top Edge	23780	50	0	23.5	22.94	0.029	1.14	0.033
LTE 17	QPSK10M	Rear Face	23780	50	0	23.5	22.94	0.089	1.14	0.102
LTE 17	QPSK10M	Right Side	23780	50	0	23.5	22.94	0.043	1.14	0.049
LTE 25	QPSK20M	Top Edge	26140	1	49	24.0	23.83	0.275	1.04	0.286
LTE 25	QPSK20M	Rear Face	26140	1	49	24.0	23.83	0.170	1.04	0.177
LTE 25	QPSK20M	Right Side	26140	1	49	24.0	23.83	0.041	1.04	0.042
LTE 25	QPSK20M	Top Edge	26140	50	0	24.0	23.44	0.210	1.14	0.239
LTE 25	QPSK20M	Rear Face	26140	50	0	24.0	23.44	0.129	1.14	0.147
LTE 25	QPSK20M	Right Side	26140	50	0	24.0	23.44	0.031	1.14	0.035
LTE 26A	QPSK10M	Top Edge	26765	1	38	25.0	24.56	0.084	1.11	0.093
LTE 26A	QPSK10M	Rear Face	26765	1	38	25.0	24.56	0.075	1.11	0.083
LTE 26A	QPSK10M	Right Side	26765	1	38	25.0	24.56	0.005	1.11	0.005
LTE 26B	QPSK15M	Top Edge	26965	1	38	25.0	24.51	0.063	1.12	0.071
LTE 26B	QPSK15M	Rear Face	26965	1	38	25.0	24.51	0.045	1.12	0.050
LTE 26B	QPSK15M	Right Side	26965	1	38	25.0	24.51	0.002	1.12	0.002
LTE 41	QPSK20M	Top Edge	40620	1	49	26.5	26.09	0.275	1.10	0.302
LTE 41	QPSK20M	Rear Face	40620	1	49	26.5	26.09	0.201	1.10	0.221
LTE 41	QPSK20M	Right Side	40620	1	49	26.5	26.09	0.050	1.10	0.055
LTE 41	QPSK20M	Top Edge	40620	50	0	26.5	25.84	0.248	1.16	0.053
LTE 41	QPSK20M	Rear Face	40620	50	0	26.5	25.84	0.179	1.16	0.208
LTE 41	QPSK20M	Right Side	40620	50	0	26.5	25.84	0.046	1.16	0.053
LTE 66	QPSK20M	Top Edge	132572	1	49	24.0	23.80	0.572	1.05	0.599
LTE 66	QPSK20M	Rear Face	132572	1	49	24.0	23.80	0.308	1.05	0.323
LTE 66	QPSK20M	Right Side	132572	1	49	24.0	23.80	0.066	1.05	0.069
LTE 66	QPSK20M	Top Edge	132572	50	0	24.0	23.33	0.466	1.17	0.544
LTE 66	QPSK20M	Rear Face	132572	50	0	24.0	23.33	0.252	1.17	0.294
LTE 66	QPSK20M	Right Side	132572	50	0	24.0	23.33	0.054	1.17	0.063
LTE 71	QPSK20M	Top Edge	133372	1	49	23.0	22.66	0.101	1.08	0.109
LTE 71	QPSK20M	Rear Face	133372	1	49	23.0	22.66	0.042	1.08	0.045
LTE 71	QPSK20M	Right Side	133372	1	49	23.0	22.66	0.041	1.08	0.044
LTE 71	QPSK20M	Top Edge	133372	50	0	23.0	22.44	0.098	1.14	0.111
LTE 71	QPSK20M	Rear Face	133372	50	0	23.0	22.44	0.046	1.14	0.052
LTE 71	QPSK20M	Right Side	133372	50	0	23.0	22.44	0.036	1.14	0.041

1. Due to both Body-worn and Hotspot are measured with the separation distance of 0mm, the test data is shared.
2. According to FCC KDB 2484227 D01v02r02 section 5.2.2, DSSS SAR value*(OFDM power/DSSS power) = $0.766 * (10^{(11.6/10)} / 10^{(11.5/10)}) = 0.78 \text{ W/kg} \leq 1.2 \text{ W/kg}$, SAR for OFDM is not required.
3. According to FCC KDB 616217 D04 section 6.1, the smallest separation distance determined by the sensor triggering and sensor coverage for normal and tilt positions in section 6.2, 6.3 and 6.4 for back surface and edge triggering conditions, minus 1 mm, must be used as the test separation distance for SAR testing.

12.3 Measurement variability consideration

According to KDB 865664 D01v01r04 section 2.8.1, repeated measurements are required following the procedures as below:

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

12.3.1 Repeated SAR

N/A

12.4 Simultaneous Transmission SAR Analysis.

List of Mode for Simultaneous Multi-band Transmission:

Description	Simultaneous TX Combination
Trigger SAR Sensor	WWAN + WIFI + BT
No trigger SAR Sensor	WWAN + WIFI + BT

Remark:

1. WCDMA/LTE share the same antenna and cannot transmit simultaneously.
2. VOIP is not supported at 3G data mode.
3. WIFI 2.4GHz and WIFI 5G cannot transmit simultaneously.
4. According to the KDB 447498 D01, when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] ·[vf(GHz)/x] W/kg for test separation distances ≤50 mm;
where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.
5. The maximum SAR summation is calculated based on the same configuration and test position.

For simultaneous transmission analysis, SAR is estimated per KDB 447498 D01 as below:

Bluetooth:

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	X	SAR(1g)
0	1	5	2.441	7.5	0.04

12.5 Simultaneous Transmission SAR Value

(Trigger SAR Sensor)

Position SAR 1g(W/Kg)	Top Edge	Rear Face	Right Side	Left Side
GSM850	0.234	0.095	0.010	/
GSM1900	0.574	0.216	0.018	/
UMTS B2	0.504	0.226	0.014	/
UMTS B4	0.613	0.331	0.020	/
UMTS B5	0.547	0.242	0.001	/
LTE B2	0.415	0.115	0.012	/
LTE B4	0.615	0.245	0.020	/
LTE B5	0.376	0.174	0.001	/
LTE B12	0.052	0.036	0.011	/
LTE B17	0.054	0.039	0.002	/
LTE B25	0.406	0.139	0.011	/
LTE B26A	0.404	0.212	0.002	/
LTE B26B	0.175	0.105	0.001	/
LTE B41	0.211	0.199	0.023	/
LTE B66	0.550	0.204	0.016	/
LTE B71	0.154	0.059	0.056	/
WiFi 2.4G	/	0.766	/	0.232
WiFi 5G	/	0.509	/	0.558
BT	0.04	0.04	0.04	0.04
WWAN + WIFI + BT	0.655	1.137	0.096	0.598

(No trigger SAR Sensor, Test distance: 14mm)

Position SAR 1g(W/Kg)	Top Edge	Rear Face	Right Side	Left Side
GSM850	0.021	0.021	0.001	/
GSM1900	0.238	0.128	0.037	/
UMTS B2	0.327	0.201	0.046	/
UMTS B4	0.568	0.335	0.071	/
UMTS B5	0.092	0.082	0.005	/
LTE B2	0.250	0.159	0.046	/
LTE B4	0.701	0.399	0.081	/
LTE B5	0.062	0.053	0.031	/
LTE B12	0.034	0.108	0.005	/
LTE B17	0.036	0.114	0.049	/
LTE B25	0.286	0.177	0.042	/
LTE B26A	0.093	0.083	0.005	/
LTE B26B	0.071	0.050	0.002	/
LTE B41	0.302	0.221	0.055	/
LTE B66	0.599	0.323	0.069	/
LTE B71	0.111	0.052	0.044	/
WiFi 2.4G	/	0.766	/	0.232
WiFi 5G	/	0.509	/	0.558
BT	0.04	0.04	0.04	0.04
WWAN + WIFI + BT	0.741	1.205	0.121	0.598

Remark: BT the 1g SAR value is not being captured by the measurement system, the 1g-SAR value is conservatively used for simultaneous transmission analysis.

12.6 MAXIMUM GRAPH RESULTS

The graph results see ANNEX C.

13. Measurement Uncertainty

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.

14. Main Test Instrument

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
SZ060-01	SAR Test System	SPEAG	DASY52 SAR TX90XL	F14/5YJ0B1/A/01	2023-02-08	1 year
SZ060-01-01	E-Field Probe	SPEAG	EX3DV4	7322	2023-02-08	1 year
SZ060-01-03	System Validation Dipole	SPEAG	D750V3	1055	2023-01-30	3 year
SZ060-01-04	System Validation Dipole	SPEAG	D835V2	4d196	2021-10-18	3 year
SZ060-01-05	System Validation Dipole	SPEAG	D900V2	1d182	2021-10-19	3 year
SZ060-01-06	System Validation Dipole	SPEAG	D1750V2	1138	2021-10-19	3 year
SZ060-01-07	System Validation Dipole	SPEAG	D1900V2	5d203	2021-10-18	3 year
SZ060-01-10	System Validation Dipole	SPEAG	D2450V2	966	2021-10-21	3 year
SZ060-01-11	System Validation Dipole	SPEAG	D2600V2	1108	2021-10-19	3 year
SZ060-01-12	System Validation Dipole	SPEAG	D5GHzV2	1218	2021-10-15	3 year
SZ060-01-13	Data Acquisition Unit	SPEAG	DAE4	1473	2023-02-08	1 year
SZ060-01-14	Dielectric Assessment Kit	SPEAG	DAKS 3.5	1056	N/A	N/A
SZ060-01-15	Vector Reflectometer	Copper Mountain Technologies	Planar R140	0090614	N/A	N/A
SZ060-01-16	Thermometer	LKM electronics GmbH	DTM3000	3477	2022-12-27 2023-12-25	1 year
SZ060-01-17	Power Amplifier	Mini Circuits	ZHL-42W+	QA1449003	2023-11-01	1 year
SZ060-01-18	Power Amplifier	Mini Circuits	ZVE-8G+	111701437	2023-11-01	1 year
SZ060-01-19	SAM Twin Phantom	SPEAG	SAM Twin Phantom V5.0	1888	N/A	N/A
SZ060-01-20	SAM Twin Phantom	SPEAG	SAM Twin Phantom V5.0	1891	N/A	N/A
SZ060-01-21	ELI Phantom	SPEAG	ELI Phantom V6.0	2033	N/A	N/A
SZ180-13	MXG Vector Signal Generator	Keysight	N5182B	MY53051328	2023-09-25	1 year
SZ070-04	Directional Bridge	Agilent	86205A	MY31402141	2022-12-19 2023-12-13	1 year
SZ182-02	RF Power Meter	Anritsu	ML2496A	1302005	2023-04-28	1 year
SZ182-03	Average power sensor	R&S	NRP-Z22	101689	2023-04-27	1 year
SZ065-06	Wideband Radio Communication Tester	R&S	CMU200	112012	2023-09-25	1 year
N/A	Device Holder	SPEAG	N/A	N/A	N/A	N/A

ANNEX A: TEST LAYOUT AND SETUP

The graph results see ANNEX A of 231204042SZN-006-Appendix A.

ANNEX B: SYSTEM CHECK RESULTS

The graph results see ANNEX B of 231204042SZN-006-Appendix A.

ANNEX C: MAXIMUM GRAPH RESULTS

The graph results see ANNEX C of 231204042SZN-006-Appendix A.

ANNEX D: SYSTEM VALIDATION

The graph results see ANNEX D of 231204042SZN-006-Appendix A.

ANNEX E: EUT PHOTO

The EUT photos are saved with filename: external photos.pdf & internal photos.pdf.

ANNEX F: PROBE CALIBRATION CERTIFICATE

The graph results see ANNEX F of 231204042SZN-006-Appendix B.

ANNEX G: DIPOLE CALIBRATION CERTIFICATE

The graph results see ANNEX G of 231204042SZN-006-Appendix B.

ANNEX H: DAE CALIBRATION CERTIFICATE

The graph results see ANNEX H of 231204042SZN-006-Appendix B.

*****End the Report*****