TEST REPORT FOR SAR TESTING

Report No.:	SRTC2024-9004(F)-24081205(H)
Product Name:	Smart Phone
Applicant:	SHARP CORPORATION
FCC ID:	APYHRO00333

Reference Specification
Part 2.1093
IEEE Std 1528
KDB Procedures

The State Radio_monitoring_center Testing Center (SRTC)

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1 GENERAL INFORMATION

1.1 Notes of the test report

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1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
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Registration number:	239125
CAB identifier	CN0049
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1.3 Applicant’s details

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1.4 Manufacturer’s details

Company:	SHARP CORPORATION
Address:	1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan

1.5 Test Environment

Date of Receipt of test sample at SRTC:	2024/08/13
Testing Start Date:	2024/08/15
Testing End Date:	2024/09/05

Environmental Data:	Temperature (°C)	Humidity (%)
Ambient	25	35
Maximum Extreme	40	---
Minimum Extreme	0	---

2 DESCRIPTION OF THE EQUIPMENT UNDER TEST

2.1 DUT information

Band Information	Frequency range
GSM850	824~849MHz
GSM1900	1850~1910MHz
WCDMA Band II	1850~1910MHz
WCDMA Band IV	1710~1755MHz
WCDMA Band V	824~849 MHz
LTE Band2	1850~1910MHz
LTE Band4	1710~1755MHz
LTE Band5	824~849 MHz
LTE Band7	2500~2570MHz
LTE Band12	699~716MHz
LTE Band13	777~787MHz
LTE Band17	704~716MHz
LTE Band38	2570~2620MHz
LTE Band41	2496~2690MHz
LTE Band66	1710~1780MHz
NR Band5(NSA)	824~849 MHz
NR Band41(NSA)	2496~2690MHz
NR Band66(NSA)	1710~1780MHz
Bluetooth	2400~2483.5MHz
Bluetooth Low Energy	2400~2483.5MHz
Wi-Fi2.4GHz	2412MHz~2462MHz
Wi-Fi5GHz UNII-1	5150MHz-5250MHz
Wi-Fi5GHz UNII-2A	5250~5350MHz
Wi-Fi5GHz UNII-2C	5470~5725MHz
Wi-Fi5GHz UNII-3	5725MHz-5850MHz

Mode supported	Note
GSM_GMSK	NA
WCDMA_RMC Rel.99	NA
WCDMA_HSDPA Rel.5	NA
WCDMA_HSUPA Rel.6	NA
WCDMA_HSPA+ Rel.7	For Downlink
LTE_QPSK	NA
LTE_16QAM	NA
LTE_64QAM	NA
LTE_256QAM	For Downlink
BR/EDR	NA
BLE	NA
DFT-s-OFDM PI/2 BPSK	NA
DFT-s-OFDM QPSK	NA
DFT-s-OFDM 16QAM	NA
DFT-s-OFDM 64QAM	NA
DFT-s-OFDM 256QAM	NA
CP-OFDM QPSK	NA
CP-OFDM 16QAM	NA
CP-OFDM 64QAM	NA
CP-OFDM 256QAM	NA
802.11b(2.4GHz)	NA
802.11g(2.4GHz)	NA
802.11n HT20(2.4GHz)	NA
802.11ax HE20(2.4GHz)	NA
802.11be HE20(2.4GHz)	NA
802.11n HT40(2.4GHz)	NA
802.11ax HE40(2.4GHz)	NA
802.11be HE40(2.4GHz)	NA
802.11a(5GHz)	NA
802.11n HT20(5GHz)	NA
802.11ac VHT20(5GHz)	NA
802.11ax HE20(5GHz)	NA
802.11be HE20(5GHz)	NA
802.11n HT40(5GHz)	NA
802.11ac VHT40(5GHz)	NA
802.11ax HE40(5GHz)	NA
802.11be HE40(5GHz)	NA
802.11ac VHT80(5GHz)	NA
802.11ax HE80(5GHz)	NA
802.11be HE80(5GHz)	NA
802.11ac VHT160(5GHz)	NA
802.11ax HE160(5GHz)	NA

802.11be HE160(5GHz)	NA

Capability Class:	GPRS Multi-slots :	NFC
Class B	Class 12(Four Up)	Support

2.2 Exposure conditions

General description

Head Configuration: Measurements were made in “cheek” and “tilt” positions on both the left hand and right-hand sides of the phantom. The positions used in the measurements were according to IEEE 1528 "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques".

Body Worn Configuration: The device was placed in the SPEAG holder below the flat section of the phantom. The distance between the device and the phantom was kept at the separation distance using a separate flat spacer that was removed before the start of the measurements. And the distance is normally determined according to the actual scene which might be the worst use condition for general exposure. The device’s front and rear were oriented facing the phantom since these orientations give higher results for most regular portable devices.

Hotspot Configuration: Hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge; for the data modes, wireless technologies and frequency bands supporting Hotspot mode.

Body Configuration: Body SAR is measured for all edges and surfaces of the device or refer to Body Worn configuration. (For the device such as tablet and mobile phone etc.)

Limb Configuration: Extremity limb SAR is measured for all edges and surfaces of the device or refer to Hotspot configuration.

Body-support Configuration: Body -support device such as laptop is not commonly require SAR test.

DUT Exposure Condition	Distance(mm)
Head	0
Body-worn	10
Hotspot	10

2.3 Other information

Testing Start Date:	2024/08/15
Testing End Date:	2024/09/05
DUT IMEI:	004401231831708 004401231830254
DUT H/W Version:	DVT
DUT S/W Version:	A718G
Ambient Temperature:	25℃
Humidity:	35%
Note	NA

3 SPECIFICATION

Specification	Version	Title
Part 2.1093	2020	Radio frequency radiation exposure evaluation: portable devices.
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 248227 D01	v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS
KDB 447498 D01	v06	General RF Exposure Guidance
KDB 447498 D02	v02r01	SAR MEASUREMENT PROCEDURES FOR USB DONGLE TRANSMITTERS
KDB 643646 D01	v01r03	SAR TEST REDUCTION CONSIDERATIONS FOR OCCUPATIONAL PTT RADIOS
KDB 616217 D04	v01r02	SAR for laptop and tablets
KDB 648474 D04	v01r03	Handset SAR
KDB 865664 D01	v01r04	SAR Measurement from 100 MHz to 6 GHz
KDB 865664 D02	v01r02	RF Exposure Reporting
KDB 941225 D01	v03r01	3G SAR MEAUREMENT PROCEDURES
KDB 941225 D05	v02r05	SAR for LTE Devices
KDB 941225 D06	v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
KDB 941225 D07	v01r02	SAR EVALUATION PROCEDURES FOR UMPC MINI-TABLET DEVICES

4 TEST CONDITIONS

4.1 Test signal, frequencies and output power

The device was put into operation by using a call tester. Communication between the device and the call tester was established by air link. Non-signaling mode also applied.The device output power was set to maximum power level for all tests; a fully charged battery was used for every test sequence.In all operating bands the measurements were performed on lowest, middle and highest channels.

4.2 SAR measurement set-up

The system is based on a high precision robot (working range greater than 0.9m), which positions the probes with a positional repeatability of better than ± 0.02mm. Special E- probe have been developed for measurements close to material discontinuity, the sensors of which are directly loaded with a Schottky diode and connected via highly resistive lines (length =300mm) to the data acquisition unit. A cell controller system contains the power supply, robot controller, teaches pendant (Joystick), and remote control, is used to drive the robot motors. The PC consists of the Micron Pentium IV computer with Win7 system and SAR Measurement Software DASY5 Professional, A/D interface card, monitor, mouse, and keyboard. The Stäubli Robot is connected to the cell controller to allow software manipulation of the robot. A data acquisition electronic (DAE) circuit performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card. The DAE consists 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 and control logic unit. Transmission to the PC-card is accomplished through an optical Downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection .The robot uses its own controller with a built in VME-bus computer.

4.3 Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin headed "SAM Phantom", manufactured by SPEAG. The phantom conforms to the requirements. System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Hotspot SAR testing also used the flat section between the head profiles. The SPEAG device holder (see Section 4.6.1) was used to position the device in all tests whilst a tripod was used to position the validation dipoles against the flat section of phantom.

Shell thickness: 2 ± 0.2 mm on flat section (6 ± 0.2 mm at ear point)

4.4 Tissue stimulants

Recommended values for the dielectric parameters of the tissue simulants are given in reference standards. The depth of the tissue simulant was 15.0 ± 0.5 cm measured from the ear reference point during system checking and device measurements. The following tissue stimulants were used for test:

Name	Broadband tissue-equivalent liquid
Type	HBBL600-10000V6 Simulating Liquid
Supplier	SPEAG
Component	Material used refer to 62209-1528 Annex F, the details are confidential.

Liquid depth for SAR Measurement

4.5 Device holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the Dasy52 system.

4.6 Scan procedure

First, area scans were used for determination of the field distribution and the approximate location of the local peak SAR values. The SAR distribution is scanned along the inside surface, at least for an area larger than the projection of the handset and antenna. The angle between the probe axis and the surface normal line is recommended but not required to be less than 30°. The SAR distribution is first measured on a 2-D coarse grid. The scan region should cover all areas that are exposed and encompassed by the projection of the handset. There are 15 mm × 15 mm (equal or less than 2GHz), 12 mm × 12 mm (from 2GHz~4GHz) and 10mm x 10mm (from 4GHz~6GHz) measurement grid used when two staggered one-dimensional cubic splines are used to estimate the maximum SAR location.

When the reported 1g-SAR estimated by area scan is less than 1.40 w/kg.

Zoom scan was performed by using the configuration mentioned below or more conservative scan area and step to determine the averaged SAR value. Drift was determined by measuring the same point at the start of the area scan and again at the end of the zoom scan.

Below 3GHz：32mmX32mmX30mm scan area with 8 mm X8 mm X5 mm steps

2GHz-3GHz：32mmX32mmX30mm scan area with 8 mm X8 mm X5 mm steps

3GHz-4GHz：28mmX28mmX28mm scan area with 7 mm X7 mm X4 mm steps

4GHz-5GHz： 25mmX25mmX24mm scan area with 5 mm X5 mm X3 mm steps

5GHz-6GHz： 25mmX25mmX22mm scan area with 5 mm X5 mm X2 mm steps

4.7 SAR averaging methods

The maximum SAR value was averaged over a cube of tissue using interpolation and extrapolation.

The interpolation, extrapolation and maximum search routines within Dasy5 are all based on the modified Quadratic Shepard’s method (Robert J. Renka, “Multivariate Interpolation Of Large Sets Of Scattered Data”, University of North Texas ACM Transactions on Mathematical Software, vol. 14, no. 2, June 1988, pp. 139-148).

The interpolation scheme combines a least-square fitted function method with a weighted average method. A triradiate 3-D / bivariate 2-D quadratic function is computed for each measurement point and fitted to neighbouring points by a least-square method. For the zoom scan, inverse distance weighting is incorporated to fit distant points more accurately. The interpolating function is finally calculated as a weighted average of the quadratics.

In the zoom scan, the interpolation function is used to extrapolate the Peak SAR from the deepest measurement points to the inner surface of the phantom.

5 RESULT SUMMARY

The maximum reported SAR values for all exposure conditions supported are given as following. The device meet the compliance.

Licensed Band Standalone Transmission Summary(SISO1)				
Exposure Position	Frequency Band	SAR Result(W/kg)	Limit(W/kg)	Verdict
Head	GSM850	0.16	1.60	Pass
	GSM1900	0.06		
	WCDMA Band II	0.15		
	WCDMA Band IV	0.18		
	WCDMA Band V	0.18		
	LTE Band2	0.11		
	LTE Band4	0.20		
	LTE Band5	0.18		
	LTE Band7	0.03		
	LTE Band12	0.13		
	LTE Band13	0.17		
	LTE Band17	0.14		
	LTE Band38	0.01		
	LTE Band41	0.03		
	LTE Band66	0.18		
	NR n5(NSA)	0.11		
	NR n41(NSA)	0.01		
	NR n66(NSA)	0.10		
Body-Worn	GSM850	0.56		
	GSM1900	0.27		
	WCDMA Band II	0.42		
	WCDMA Band IV	0.46		
	WCDMA Band V	0.64		
	LTE Band2	0.40		
	LTE Band4	0.48		
	LTE Band5	0.63		
	LTE Band7	0.24		
	LTE Band12	0.24		
	LTE Band13	0.32		
	LTE Band17	0.26		
	LTE Band38	0.07		
	LTE Band41	0.09		
	LTE Band66	0.43		
	NR n5(NSA)	0.29		
	NR n41(NSA)	0.13		
	NR n66(NSA)	0.41		
Hotspot	GSM850	0.56		
	GSM1900	0.33		
	WCDMA Band II	0.46		
	WCDMA Band IV	0.46		
	WCDMA Band V	0.64		
	LTE Band2	0.44		
	LTE Band4	0.48		
	LTE Band5	0.63		
	LTE Band7	0.31		

	LTE Band12	0.32		
	LTE Band13	0.34		
	LTE Band17	0.36		
	LTE Band38	0.07		
	LTE Band41	0.09		
	LTE Band66	0.53		
	NR n5(NSA)	0.29		
	NR n41(NSA)	0.16		
	NR n66(NSA)	0.43		

Unlicensed Band Standalone Transmission Summary(MIMO)				
Exposure Position	Frequency Band	SAR Result(W/kg)	Limit(W/kg)	Verdict
Head	BT/BLE	0.17	1.60	Pass
	WLAN2.4GHz	0.68		
	WLAN5GHz UNII-1	0.25		
	WLAN5GHz UNII-2A	0.23		
	WLAN5GHz UNII-2C	0.26		
	WLAN5GHz UNII-3	0.35		
Body-Worn	BT/BLE	0.05		
	WLAN2.4GHz	0.19		
	WLAN5GHz UNII-1	0.10		
	WLAN5GHz UNII-2A	0.10		
	WLAN5GHz UNII-2C	0.18		
	WLAN5GHz UNII-3	0.37		
Hotspot	BT/BLE	0.09		
	WLAN2.4GHz	0.25		
	WLAN5GHz UNII-1	Not support		
	WLAN5GHz UNII-2A	Not support		
	WLAN5GHz UNII-2C	Not support		
	WLAN5GHz UNII-3	Not support		

Simultaneous Transmission Summary				
Exposure Position	Mode	Highest SAR Result(W/kg)	Limit(W/kg)	Verdict
Head	DC_66A_n5A +WLAN2.4GHz +WLAN5GHz	1.29	1.60	Pass
Body-worn	DC_13A_n66A +WLAN2.4GHz +WLAN5GHz	1.29		Pass
Hotspot	DC_13A_n66A +WLAN2.4GHz	0.92		Pass

This Test Report Is Approved by: Mr. Peng Zhen	Review by: Mr. Li Bin
Tested and issued by: Mr. Hui Wen	Approved date: 20240929

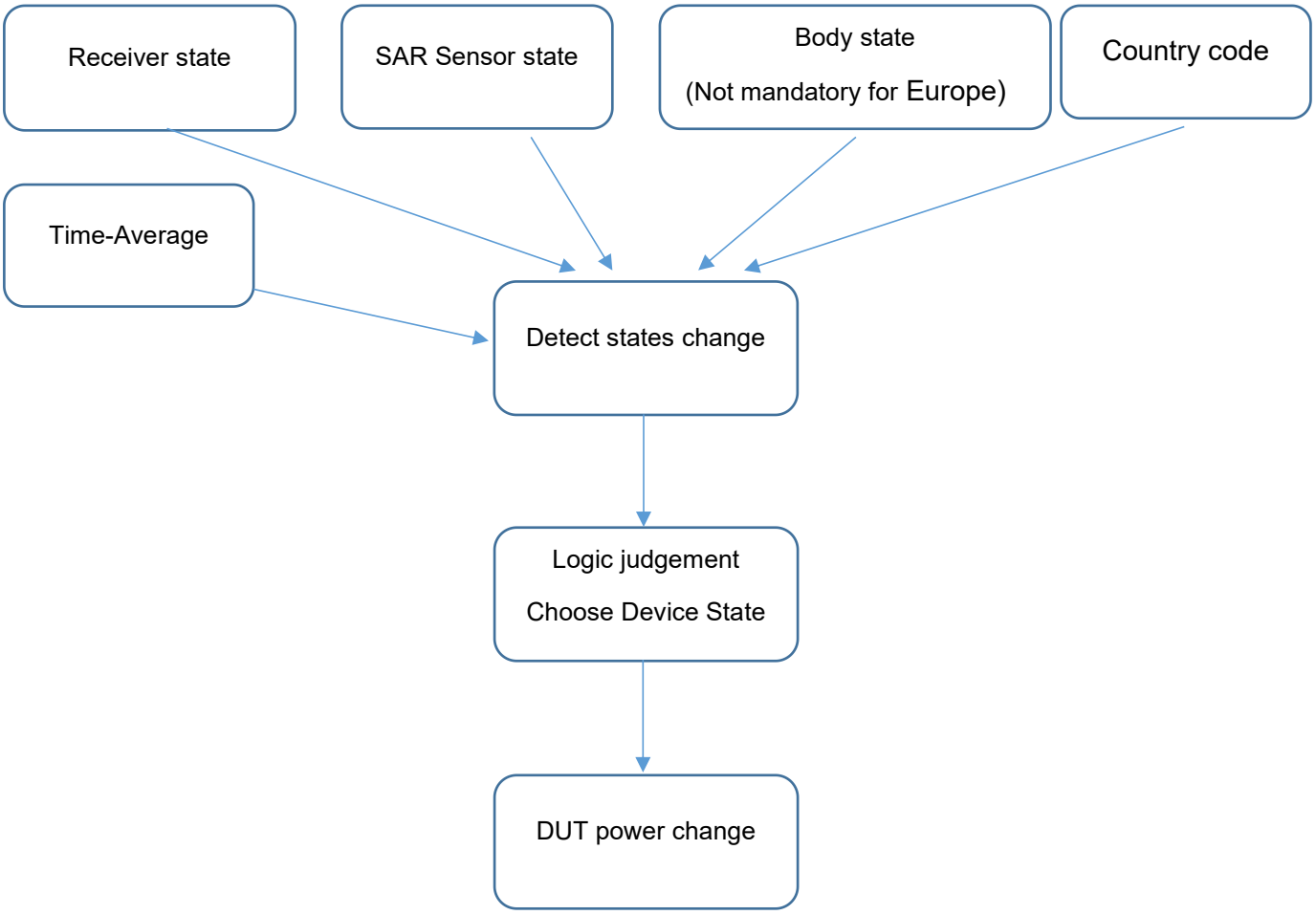
6 TEST RESULTS

6.1 Scenario

General description:

In common, there are several power change schemes based on technologies mentioned below, but different product use different method to change conducted power for relevant transmitters. These methods could be used together on both standalone and simultaneous transmission (Depends on specific scenario)

Receiver:	Triggered when receive ON/OFF
P-sensor:	Triggered when sensor ON/OFF
Hotspot:	Triggered when Hotspot ON/OFF
Country code:	Triggered through MCC/A-GNSS
TA:	Time average SAR based on Qualcomm



DUT Power change scheme	Description	Whether support or not
Receiver:	Triggered when receive ON/OFF	Not support
P-sensor:	Triggered when sensor ON/OFF	Not support
Hotspot:	Triggered when hotspot ON/OFF	Not support
Country code:	Triggered through MCC/A-GNSS	Not support
TA:	Time average SAR based on Qualcomm	Not support

6.2 Average conducted power with Tune up tolerance

6.2.1 GSM

General description:

GPRS Coding Scheme	Bit Rate (kbit/s/slot)	Modulation	Code Rate
CS-1	8.0	GMSK	1/2
CS-2	12.0	GMSK	≈2/3
CS-3	14.4	GMSK	≈3/4
CS-4	20.0	GMSK	1

EDGE Modulation and Coding Scheme (MCS)	Bit Rate (kbit/s/slot)	Modulation	Data Code Rate	Header Code Rate
MCS-1	8.8	GMSK	≈0.53	≈0.53
MCS-2	11.2	GMSK	≈0.66	≈0.53
MCS-3	14.8	GMSK	≈0.85	≈0.53
MCS-4	17.6	GMSK	1	≈0.53
MCS-5	22.4	8PSK	≈0.37	1/3
MCS-6	29.6	8PSK	≈0.49	1/3
MCS-7	44.8	8PSK	≈0.76	≈0.39
MCS-8	57.05	8PSK	≈0.92	≈0.39
MCS-9	61.85	8PSK	1	≈0.39

Division Factors:

To average the power, the division factor is as follows:

1TX-slot (1uplink) = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.03dB

2TX-slots(2uplink) = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB

3TX-slots (3uplink) = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB

4TX-slots (4uplink) = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB

Note: GSM SAR was tested under the mode with maximum frame average power.

Licensed SISO1

Full Power

GSM 850

TX Mode	TX slot	Burst Power (dBm)			Tuneup Tolerance (dBm)	Frame power(dBm)		
		Frequency/Channel				Frequency/Channel		
		824.2	836.6	848.8		824.2	836.6	848.8
		128	190	251		128	190	251
GSM	1 slot	31.90	32.09	32.20	33.50	22.87	23.06	23.17
GPRS (GMSK)	1 slot	31.77	31.92	32.04	33.50	22.74	22.89	23.01
	2 slots	29.83	29.99	30.10	31.40	23.81	23.97	24.08
	3 slots	28.28	28.42	28.51	29.90	24.02	24.16	24.25
	4 slots	27.40	27.49	27.58	28.90	24.39	24.48	24.57

GSM 1900

TX Mode	TX slot	Burst Power (dBm)			Tuneup Tolerance (dBm)	Frame power(dBm)		
		Frequency/Channel				Frequency/Channel		
		1850.2	1880	1909.8		1850.2	1880	1909.8
		512	661	810		512	661	810
GSM	1 slot	29.39	29.47	29.44	30.50	20.36	20.44	20.41
GPRS (GMSK)	1 slot	29.23	29.20	29.21	30.50	20.20	20.17	20.18
	2 slots	27.52	27.64	27.49	28.70	21.50	21.62	21.47
	3 slots	26.14	25.84	26.11	27.30	21.88	21.58	21.85
	4 slots	25.23	25.47	25.15	26.40	22.22	22.46	22.14

6.2.2 WCDMA

General description:

Release 99

The following tests were completed according to the test requirements outlined in 3GPP TS34.121-1 specification.

Mode	Subtest	Rel99
WCDMA General Settings	Loopback Mode	Test Mode 1
	RMC mode AMR mode	12.2kbps RMC 12.2kbps RMC in 3.4 kbps SRB
	Power Control Algorithm	Algorithm2
	βc/βd	8/15

Release 5

The following 4 Sub-tests were completed according to Release 5 procedures in 3GPP TS34.121.

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	CM(dB) (2)
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15(3)	15/15(3)	64	12/15(3)	24/15	1.0
3	15/15	8/15	64	15/18	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note1: $\triangle_{ACK}$, $\triangle_{NACK}$ and $\triangle_{CQI}$ =8⇔ $A_{hs}=\beta_{hs}/\beta_c=30/15 \Leftrightarrow \beta_{hs}=30/15*\beta_c$.

Note2:CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.

Note3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC(TF1,TF1) to β_c=11/15 and β_d=15/15.

Release 6

The following 5 Sub-tests were completed according to Release 6 procedures in 3GPP TS34.121.

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (2) (dB)	MPR (dB)	AG(4) Index	E-TFCI

1	11/15(3)	15/15(3)	64	11/15(3)	22/15	209/225	1039/225	4	1	1.0	2.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}:47/15 β_{ed2}:47/15	4	2	2.0	2.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15(4)	15/15(4)	64	15/15(4)	30/15	24/15	134/15	4	1	1.0	2.0	21	81

Note1:$\triangle_{ACK}$, $\triangle_{NACK}$ and $\triangle_{CQI}$ =8⇔A_{hs}=β_{hs}/β_c=30/15⇔β_{hs}=30/15*β_c.

Note2:CM=1 for β_c/β_d =12/15,β_{hs}/β_c=24/15.For all other combinations of DPDCH,DPCCH,HS-DPCCH,E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC(TF1,TF1) to β_c=10/15 and β_d=15/15.

Note4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC(TF1,TF1) to β_c=14/15 and β_d=15/15.

NOTE5: Testing UE using E-DPDCH Physical layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g.

NOTE6:β_{ed} can not be set directly; it is set by Absolute Grant Value.

Release 7

The following 1 Sub-test was completed according to Release 7 procedures in section 5.2 of 3GPP TS34.121.

Table C.11.1.4: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM

Sub-test	β_c (Note3)	β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (2xSF2) (Note 4)	β_{ed} (2xSF4) (Note 4)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 4)	E-TFCI (Note 5)	E-TFCI (boost)
1	1	0	30/15	30/15	β_{ed}1: 30/15 β_{ed}2: 30/15	β_{ed}3: 24/15 β_{ed}4: 24/15	3.5	2.5	14	105	105

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with $\beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCH is not configured, therefore the β_c is set to 1 and β_d = 0 by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCH is not allocated. The UE is signalled to use the extrapolation algorithm.

Release 8

Table E.5.0: Levels for HSDPA connection setup

Parameter During Connection setup	Unit	Value
P-CPICH_Ec/Ior	dB	-10
P-CCPCH and SCH_Ec/Ior	dB	-12
PICH _Ec/Ior	dB	-15
HS-PDSCH	dB	off
HS-SCCH_1	dB	off
DPCH_Ec/Ior	dB	-5
OCNS_Ec/Ior	dB	-3.1

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Proces ses	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

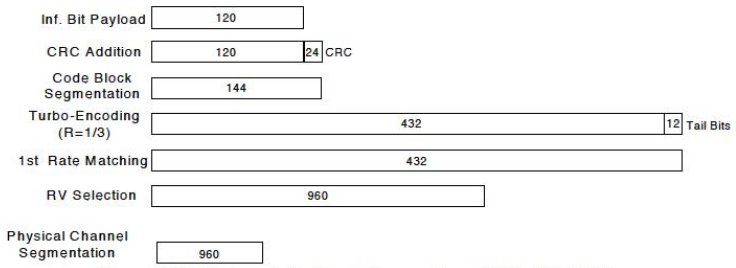


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 Sub-tests for HSDPA were completed according to Release 8 procedures in 3GPP TS34.121.

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	CM(dB) (2)
1	2/15	15/15	64	2/15	4/15	0.0
2	12/15(3)	15/15(3)	64	12/15(3)	24/15	1.0
3	15/15	8/15	64	15/18	30/15	1.5
4	15/15	4/15	64	15/4	30/15	1.5

Note1: $\triangle_{ACK}$, $\triangle_{NACK}$ and $\triangle_{CQI}$ =8⇔ $A_{hs}=\beta_{hs}/\beta_c=30/15 \Leftrightarrow \beta_{hs}=30/15*\beta_c$.

Note2:CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.

Note3: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC(TF1,TF1) to β_c=11/15 and

β_d=15/15.

Note: UMTS SAR was tested under Rel.99 RMC 12.2kbps mode. For other higher release configuration, SAR was not required.

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Full Power

band II

Mode		RF Output Power(dBm)			Tune up Tolerance (dBm)
		9262	9400	9538	
		1852.4	1880	1907.6	
Release 99	RMC,12.2kbps	22.30	22.28	22.31	23.3
HSDPA	Subtest1	21.27	21.23	21.29	22.3
	Subtest2	21.22	21.23	21.21	22.3
	Subtest3	20.74	20.71	20.69	21.8
	Subtest4	20.74	20.71	20.70	21.8
HSUPA	Subtest1	21.24	21.23	21.20	22.3
	Subtest2	19.20	19.21	19.19	20.3
	Subtest3	20.20	20.25	20.21	21.3
	Subtest4	18.84	18.86	18.85	20.3
	Subtest5	21.19	21.20	21.18	22.3
HSPA+	QPSK	20.74	20.76	20.82	22.3
	16QAM	20.73	20.72	20.72	22.3

band IV

Mode		RF Output Power(dBm)			Tune up Tolerance (dBm)
		4132	4183	4233	
		826.4	836.6	846.6	
Release 99	RMC,12.2kbps	22.32	22.39	22.31	23.3
HSDPA	Subtest1	21.32	21.41	21.29	22.3
	Subtest2	21.31	21.30	21.30	22.3
	Subtest3	20.79	20.85	20.79	21.8
	Subtest4	20.77	20.85	20.79	21.8
HSUPA	Subtest1	21.29	21.36	21.28	22.3
	Subtest2	19.27	19.36	19.27	20.3
	Subtest3	20.29	20.36	20.29	21.3
	Subtest4	19.14	19.19	18.82	20.3
	Subtest5	21.28	21.33	21.28	22.3
HSPA+	QPSK	20.87	20.92	20.85	22.3
	16QAM	20.83	20.87	20.81	22.3

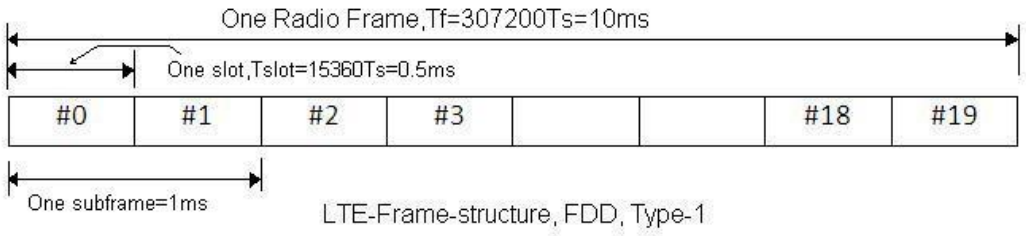
band V

Mode		RF Output Power(dBm)			Tune up Tolerance (dBm)
		4132	4183	4233	
		826.4	836.6	846.6	
Release 99	RMC,12.2kbps	22.85	22.87	22.82	24.0
HSDPA	Subtest1	21.83	21.91	21.88	23.0
	Subtest2	21.82	21.88	21.85	23.0
	Subtest3	21.21	21.39	21.34	22.5
	Subtest4	21.32	21.38	21.31	22.5
HSUPA	Subtest1	21.82	21.85	21.81	23.0
	Subtest2	19.82	19.85	19.82	21.0
	Subtest3	20.81	20.87	20.79	22.0
	Subtest4	19.45	19.65	19.63	21.0
	Subtest5	21.83	21.86	21.81	23.0
HSPA+	QPSK	21.38	21.42	21.44	23.0
	16QAM	21.31	21.41	21.32	23.0

6.2.3 LTE

General description:

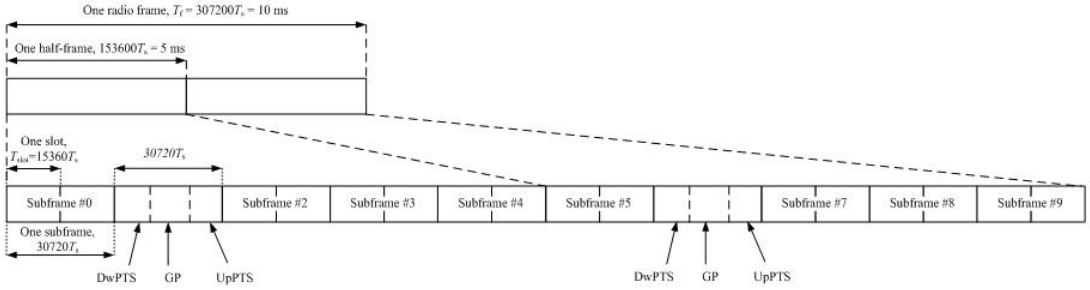
FDD-LTE frame structure

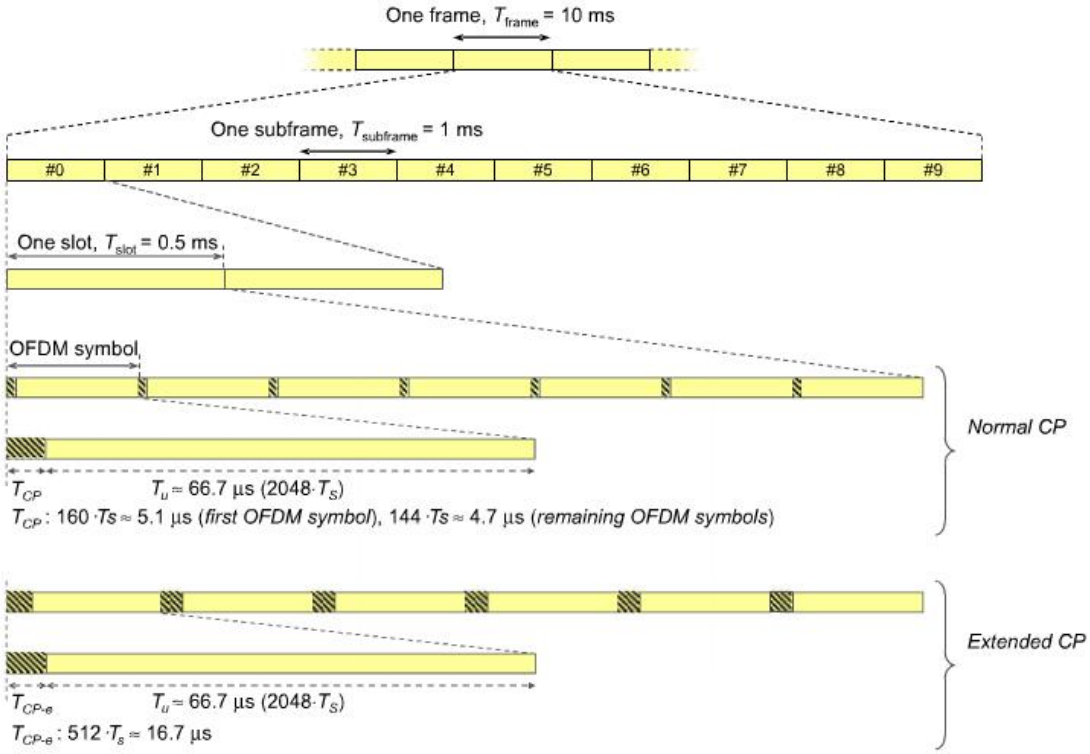


LTE-Frame-structure, FDD, Type-1

Type 1 is used as LTE FDD frame structure. As shown in the figure above, an LTE TDD frame is made of total 20 slots, each of 0.5ms. Two consecutive time slots will form one subframe. 10 such subframes form one radio frame. One subframe duration is about 1 ms. and the duty cycle is inherent as100%.

TDD-LTE frame structure




One frame, T_{frame} = 10 ms
One subframe, $T_{subframe}$ = 1 ms
#0
#1
#2
#3
#4
#5
#6
#7
#8
#9
One slot, T_{slot} = 0.5 ms
OFDM symbol
Normal CP
T_{CP}
T_u = 66.7 µs (2048·T_S)
T_{CP}: 160·Ts ≈ 5.1 µs (*first OFDM symbol*), 144·Ts ≈ 4.7 µs (*remaining OFDM symbols*)
Extended CP
T_{CP-e}
T_u = 66.7 µs (2048·T_S)
T_{CP-e}: 512·T_s ≈ 16.7 µs

Uplink-downlink configuration

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Special sub-frame configuration

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			-	-	-
8	$24144 \cdot T_s$			-	-	-

Special sub-frame with cyclic prefix uplink

Special sub-frame configuration		Duty factor with normal cyclic prefix in uplink	Duty factor with extended cyclic prefix in uplink
Normal cyclic prefix in downlink	0~4	7.13%	8.33%
	5~9	14.3%	16.7%
Extended cyclic prefix in downlink	0~3	7.13%	8.33%
	4~7	14.3%	16.7%

One sub-frame is 30720Ts=1ms, when UpPTS(uplink) in special sub-frame with extended cyclic prefix, duty factor = 5120/30720=0.167.There are 5 sub-frames in half frame(3up link),so the final duty factor is (30720*3+5120)/(30720*5)=63.3% which we used to evaluate the SAR compliance (worst case)

Note: SRTC perform SAR test with maximum duty factor equal to 63.3% by using uplink-downlink configuration 0.

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Full Power

LTE Band2

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				18607	18900	19193	
				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.15	22.13	22.14	23.3
		1	3	22.07	22.14	22.07	23.3
		1	5	22.18	22.40	22.16	23.3
		3	0	22.19	22.28	22.10	23.3
		3	1	22.08	22.14	22.18	23.3
		3	3	22.16	22.14	22.20	23.3
		6	0	21.15	21.21	21.12	22.3
	16QAM	1	0	21.37	21.47	21.43	22.3
		1	3	21.42	21.36	21.52	22.3
		1	5	21.24	21.27	21.20	22.3
		3	0	21.08	21.37	21.22	22.3
		3	1	21.24	21.21	21.17	22.3
		3	3	21.27	21.25	21.15	22.3
		6	0	20.24	20.31	20.19	21.3
	64QAM	1	0	20.39	20.47	20.21	21.3
		1	3	20.52	20.07	20.66	21.3
		1	5	20.49	20.33	20.55	21.3
		3	0	20.39	20.44	19.64	21.3
		3	1	19.99	20.22	20.13	21.3
		3	3	20.32	20.51	20.27	21.3
		6	0	19.32	19.23	19.13	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				18615	18900	19185	
				1851.5	1880	1908.5	
3	QPSK	1	0	22.13	22.12	22.24	23.3
		1	8	22.22	22.32	22.05	23.3
		1	14	22.00	22.10	22.07	23.3
		8	0	21.20	21.15	21.20	22.3
		8	4	21.13	21.22	21.16	22.3
		8	7	21.22	21.19	21.18	22.3

		15	0	21.15	21.11	21.18	22.3
	16QAM	1	0	21.58	21.40	21.48	22.3
		1	8	21.38	21.50	21.28	22.3
		1	14	21.45	21.29	21.40	22.3
		8	0	20.34	20.23	20.32	21.3
		8	4	20.28	20.20	20.23	21.3
		8	7	20.37	20.23	20.24	21.3
		15	0	20.19	20.24	20.20	21.3
	64QAM	1	0	20.58	20.41	20.81	21.3
		1	8	20.53	20.80	20.61	21.3
		1	14	20.07	20.39	20.05	21.3
		8	0	19.36	19.31	19.21	20.3
		8	4	19.35	19.17	19.27	20.3
		8	7	19.33	19.27	19.26	20.3
		15	0	19.29	19.12	19.23	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				18625	18900	19175	
				1852.5	1880	1907.5	
5	QPSK	1	0	22.32	22.45	22.21	23.3
		1	12	22.02	22.62	22.21	23.3
		1	24	22.35	22.41	22.15	23.3
		12	0	21.25	21.17	21.20	22.3
		12	7	21.18	21.15	21.11	22.3
		12	13	21.15	21.26	21.24	22.3
		25	0	21.16	21.17	21.15	22.3
	16QAM	1	0	21.43	21.59	21.50	22.3
		1	12	21.12	21.62	21.31	22.3
		1	24	21.30	21.77	21.13	22.3
		12	0	20.18	20.21	20.26	21.3
		12	7	20.22	20.24	20.17	21.3
		12	13	20.20	20.30	20.30	21.3
		25	0	20.24	20.18	20.03	21.3
	64QAM	1	0	20.65	20.65	20.61	21.3
		1	12	20.52	20.46	20.94	21.3
		1	24	20.45	20.81	20.42	21.3
		12	0	19.27	19.21	19.21	20.3
		12	7	19.32	19.22	19.15	20.3
		12	13	19.22	19.22	19.25	20.3
		25	0	19.20	19.18	19.06	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				18650	18900	19150	
				1855	1880	1905	
10	QPSK	1	0	22.14	22.26	22.06	23.3
		1	25	22.01	22.17	22.16	23.3

		1	49	22.21	22.32	22.15	23.3
		25	0	21.16	21.14	21.07	22.3
		25	12	21.24	21.21	21.28	22.3
		25	25	21.22	21.31	21.20	22.3
		50	0	21.17	21.18	21.20	22.3
	16QAM	1	0	21.63	21.56	21.45	22.3
		1	25	21.50	21.62	21.40	22.3
		1	49	21.47	21.27	21.33	22.3
		25	0	20.15	20.14	20.15	21.3
		25	12	20.23	20.21	20.21	21.3
		25	25	20.33	20.26	20.16	21.3
		50	0	20.28	20.20	20.20	21.3
	64QAM	1	0	20.56	20.30	20.39	21.3
		1	25	20.35	20.57	20.50	21.3
		1	49	20.26	20.45	20.52	21.3
		25	0	19.25	19.17	19.21	20.3
		25	12	19.28	19.22	19.37	20.3
		25	25	19.29	19.28	19.39	20.3
		50	0	19.24	19.19	19.29	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				18675	18900	19125	
				1857.5	1880	1902.5	
15	QPSK	1	0	22.53	22.09	22.14	23.3
		1	37	22.04	22.27	22.19	23.3
		1	74	22.12	22.24	22.35	23.3
		36	0	21.12	21.23	21.15	22.3
		36	29	21.25	21.27	21.27	22.3
		36	30	21.18	21.22	21.22	22.3
		75	0	21.20	21.11	21.17	22.3
	16QAM	1	0	21.11	21.27	21.10	22.3
		1	37	21.37	21.51	21.04	22.3
		1	74	21.22	21.33	21.27	22.3
		36	0	20.24	20.24	20.10	21.3
		36	29	20.27	20.26	20.22	21.3
		36	30	20.27	20.30	20.26	21.3
		75	0	20.19	20.16	20.26	21.3
	64QAM	1	0	20.42	20.18	20.73	21.3
		1	37	20.58	20.24	20.87	21.3
		1	74	20.47	20.33	20.88	21.3
		36	0	19.19	19.20	19.18	20.3
		36	29	19.21	19.32	19.30	20.3
		36	30	19.22	19.31	19.35	20.3
		75	0	19.26	19.13	19.32	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)

				18700	18900	19100	Tune-up Tolerance
				1860	1880	1900	
20	QPSK	1	0	22.36	22.18	22.04	23.3
		1	49	22.04	22.22	22.24	23.3
		1	99	22.09	22.22	22.17	23.3
		50	0	21.17	21.17	21.21	22.3
		50	24	21.22	21.22	21.27	22.3
		50	50	21.23	21.26	21.27	22.3
		100	0	21.25	21.20	21.20	22.3
	16QAM	1	0	21.10	21.50	21.47	22.3
		1	49	21.23	21.71	21.29	22.3
		1	99	21.34	21.50	21.26	22.3
		50	0	20.10	20.21	20.24	21.3
		50	24	20.27	20.30	20.20	21.3
		50	50	20.25	20.33	20.22	21.3
		100	0	20.19	20.18	20.20	21.3
	64QAM	1	0	20.61	20.61	20.22	21.3
		1	49	20.32	20.49	20.57	21.3
		1	99	20.41	20.72	20.77	21.3
		50	0	19.05	19.29	19.29	20.3
		50	24	19.26	19.20	19.23	20.3
		50	50	19.23	19.23	19.32	20.3
		100	0	19.25	19.20	19.22	20.3

LTE Band4

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				19957	20175	20393	Tune-up Tolerance
				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.08	22.24	22.26	23.3
		1	3	22.04	22.17	22.37	23.3
		1	5	22.08	22.26	22.30	23.3
		3	0	22.08	22.10	22.25	23.3
		3	1	22.09	22.28	22.31	23.3
		3	3	22.19	22.29	22.34	23.3
		6	0	21.17	21.28	21.36	22.3
	16QAM	1	0	21.22	21.45	21.77	22.3
		1	3	21.20	21.38	21.63	22.3
		1	5	21.22	21.57	21.50	22.3
		3	0	21.05	21.37	21.46	22.3
		3	1	21.13	21.39	21.30	22.3
		3	3	21.21	21.50	21.28	22.3
		6	0	20.24	20.28	20.38	21.3
	64QAM	1	0	20.63	20.56	20.66	21.3
		1	3	20.67	20.36	20.66	21.3

		1	5	20.30	20.74	20.32	21.3
		3	0	20.26	20.49	20.49	21.3
		3	1	20.20	20.36	20.51	21.3
		3	3	20.26	20.42	20.34	21.3
		6	0	19.17	19.35	19.46	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				19965	20175	20385	Tune-up Tolerance
				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.06	22.30	22.27	23.3
		1	8	22.43	22.44	22.34	23.3
		1	14	22.19	22.43	22.20	23.3
		8	0	21.25	21.34	21.35	22.3
		8	4	21.31	21.38	21.35	22.3
		8	7	21.25	21.43	21.40	22.3
		15	0	21.31	21.37	21.32	22.3
	16QAM	1	0	21.48	21.68	21.40	22.3
		1	8	21.61	21.49	21.81	22.3
		1	14	21.40	21.44	21.55	22.3
		8	0	20.22	20.53	20.42	21.3
		8	4	20.31	20.34	20.44	21.3
		8	7	20.24	20.48	20.53	21.3
		15	0	20.23	20.32	20.39	21.3
	64QAM	1	0	20.13	20.62	20.45	21.3
		1	8	20.57	20.67	20.56	21.3
		1	14	20.25	20.66	20.39	21.3
		8	0	19.36	19.35	19.35	20.3
		8	4	19.41	19.45	19.48	20.3
		8	7	19.28	19.49	19.36	20.3
		15	0	19.28	19.34	19.31	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				19975	20175	20375	Tune-up Tolerance
				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.27	22.42	22.50	23.3
		1	12	22.32	22.39	22.43	23.3
		1	24	22.12	22.28	22.45	23.3
		12	0	21.22	21.30	21.31	22.3
		12	7	21.29	21.35	21.49	22.3
		12	13	21.20	21.33	21.39	22.3
		25	0	21.22	21.29	21.40	22.3
	16QAM	1	0	21.80	21.90	21.26	22.3
		1	12	21.28	21.17	21.35	22.3
		1	24	21.26	21.57	21.61	22.3
		12	0	20.12	20.32	20.31	21.3

		12	7	20.28	20.44	20.54	21.3
		12	13	20.31	20.33	20.45	21.3
		25	0	20.28	20.38	20.42	21.3
	64QAM	1	0	20.59	20.52	20.48	21.3
		1	12	20.41	20.38	20.81	21.3
		1	24	20.18	20.57	20.95	21.3
		12	0	19.24	19.18	19.32	20.3
		12	7	19.24	19.47	19.41	20.3
		12	13	19.23	19.47	19.47	20.3
		25	0	19.30	19.40	19.46	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				20000	20175	20350	Tune-up Tolerance
				1715	1732.5	1750	
10	QPSK	1	0	22.08	22.22	22.24	23.3
		1	25	22.33	22.54	22.22	23.3
		1	49	22.13	22.22	22.09	23.3
		25	0	21.16	21.28	21.35	22.3
		25	12	21.28	21.28	21.29	22.3
		25	25	21.24	21.40	21.41	22.3
		50	0	21.24	21.26	21.29	22.3
	16QAM	1	0	21.32	21.53	21.23	22.3
		1	25	21.58	21.64	21.77	22.3
		1	49	21.34	21.58	21.59	22.3
		25	0	20.22	20.32	20.31	21.3
		25	12	20.28	20.38	20.36	21.3
		25	25	20.30	20.41	20.37	21.3
		50	0	20.22	20.31	20.35	21.3
	64QAM	1	0	20.55	20.43	20.42	21.3
		1	25	20.69	20.62	20.54	21.3
		1	49	20.44	20.72	20.68	21.3
		25	0	19.16	19.33	19.27	20.3
		25	12	19.35	19.41	19.42	20.3
		25	25	19.35	19.31	19.46	20.3
		50	0	19.27	19.33	19.29	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				20025	20175	20325	Tune-up Tolerance
				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.51	22.27	22.28	23.3
		1	37	22.21	22.34	22.30	23.3
		1	74	22.10	22.18	22.21	23.3
		36	0	21.12	21.32	21.26	22.3
		36	29	21.22	21.32	21.36	22.3
		36	30	21.23	21.37	21.29	22.3
		75	0	21.19	21.28	21.28	22.3

		1	0	21.49	21.35	21.89	22.3
		1	37	21.42	21.28	21.67	22.3
		1	74	21.76	21.74	21.63	22.3
	16QAM	36	0	20.23	20.30	20.26	21.3
		36	29	20.29	20.42	20.26	21.3
		36	30	20.26	20.43	20.34	21.3
		75	0	20.28	20.32	20.29	21.3
		1	0	20.46	20.63	20.66	21.3
		1	37	20.31	20.56	20.51	21.3
		1	74	20.32	20.40	20.37	21.3
	64QAM	36	0	19.22	19.33	19.31	20.3
		36	29	19.33	19.44	19.34	20.3
		36	30	19.28	19.44	19.43	20.3
		75	0	19.29	19.34	19.33	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				20050	20175	20300	
				1720	1732.5	1745	
20	QPSK	1	0	22.03	22.23	22.32	23.3
		1	49	22.29	22.32	22.26	23.3
		1	99	22.26	22.34	22.32	23.3
		50	0	21.22	21.29	21.32	22.3
		50	24	21.26	21.26	21.32	22.3
		50	50	21.31	21.32	21.33	22.3
		100	0	21.29	21.29	21.29	22.3
	16QAM	1	0	21.41	21.40	21.78	22.3
		1	49	21.31	21.57	21.54	22.3
		1	99	21.36	21.74	21.33	22.3
		50	0	20.05	20.30	20.30	21.3
		50	24	20.29	20.31	20.29	21.3
		50	50	20.34	20.36	20.37	21.3
		100	0	20.27	20.27	20.31	21.3
	64QAM	1	0	20.31	20.87	20.46	21.3
		1	49	20.44	20.72	20.59	21.3
		1	99	20.48	20.44	20.47	21.3
		50	0	19.28	19.29	19.28	20.3
		50	24	19.31	19.34	19.26	20.3
		50	50	19.26	19.35	19.32	20.3
		100	0	19.31	19.26	19.28	20.3

LTE Band5

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				20407	20525	20643	
				824.7	836.5	848.3	
1.4	QPSK	1	0	22.82	22.91	22.78	24.0

		1	3	22.73	22.71	22.83	24.0
		1	5	22.83	22.92	22.84	24.0
		3	0	22.84	22.75	22.70	24.0
		3	1	22.75	22.82	22.72	24.0
		3	3	22.78	22.83	22.68	24.0
		6	0	21.79	21.79	21.78	23.0
	16QAM	1	0	22.01	21.99	22.05	23.0
		1	3	21.97	22.27	22.07	23.0
		1	5	22.02	22.20	21.90	23.0
		3	0	21.81	21.81	21.89	23.0
		3	1	21.97	21.90	21.69	23.0
		3	3	21.95	21.98	21.61	23.0
		6	0	20.82	20.77	20.76	22.0
	64QAM	1	0	21.22	21.23	20.91	22.0
		1	3	21.23	21.01	20.85	22.0
		1	5	21.00	20.90	20.99	22.0
		3	0	20.81	20.89	20.79	22.0
		3	1	21.08	21.21	20.77	22.0
		3	3	21.01	21.05	21.06	22.0
		6	0	19.91	19.88	19.77	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				20415	20525	20635	
				825.5	836.5	847.5	
3	QPSK	1	0	22.67	22.82	22.76	24.0
		1	8	22.84	22.80	22.85	24.0
		1	14	22.74	22.73	22.73	24.0
		8	0	21.83	21.85	21.78	23.0
		8	4	21.80	21.90	21.90	23.0
		8	7	21.81	21.91	21.81	23.0
		15	0	21.86	21.88	21.81	23.0
	16QAM	1	0	22.02	22.20	21.88	23.0
		1	8	21.84	21.98	22.24	23.0
		1	14	21.92	21.98	21.95	23.0
		8	0	20.93	20.95	20.73	22.0
		8	4	20.85	21.00	20.93	22.0
		8	7	20.86	20.88	20.93	22.0
		15	0	20.83	20.81	20.90	22.0
	64QAM	1	0	20.92	20.90	21.03	22.0
		1	8	21.28	21.45	21.34	22.0
		1	14	20.94	20.84	20.91	22.0
		8	0	19.82	19.91	19.75	21.0
		8	4	19.97	19.96	19.91	21.0
		8	7	19.94	19.88	19.92	21.0
		15	0	19.89	19.85	19.95	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				20425	20525	20625	
				826.5	836.5	846.5	
5	QPSK	1	0	22.84	22.87	22.73	24.0
		1	12	23.00	22.88	22.93	24.0
		1	24	22.81	22.79	22.91	24.0
		12	0	21.81	21.96	21.84	23.0
		12	7	21.92	22.01	21.91	23.0
		12	13	21.88	21.88	21.85	23.0
		25	0	21.90	21.87	21.89	23.0
	16QAM	1	0	22.21	22.21	22.00	23.0
		1	12	22.04	22.08	22.08	23.0
		1	24	21.95	21.91	22.01	23.0
		12	0	20.82	20.90	20.82	22.0
		12	7	21.13	21.00	20.97	22.0
		12	13	20.99	21.10	21.00	22.0
		25	0	20.91	20.88	20.91	22.0
	64QAM	1	0	21.10	21.52	20.98	22.0
		1	12	21.09	21.22	21.10	22.0
		1	24	21.00	21.13	21.04	22.0
		12	0	19.89	19.90	19.85	21.0
		12	7	19.95	20.05	19.97	21.0
		12	13	19.92	20.00	19.88	21.0
		25	0	19.92	19.94	19.89	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				20450	20525	20600	
				829	836.5	844	
10	QPSK	1	0	22.88	22.73	22.84	24.0
		1	25	22.78	22.98	22.82	24.0
		1	49	22.84	22.83	22.76	24.0
		25	0	21.81	21.82	21.79	23.0
		25	12	21.90	21.83	21.82	23.0
		25	25	21.92	21.92	21.85	23.0
		50	0	21.83	21.84	21.75	23.0
	16QAM	1	0	21.96	22.20	22.18	23.0
		1	25	22.19	21.99	22.16	23.0
		1	49	22.00	22.17	22.31	23.0
		25	0	20.87	20.81	20.85	22.0
		25	12	20.94	20.86	20.88	22.0
		25	25	20.91	20.93	20.84	22.0
		50	0	20.92	20.83	20.78	22.0
	64QAM	1	0	20.83	21.30	20.99	22.0
		1	25	20.96	21.25	21.04	22.0
		1	49	21.04	20.86	21.44	22.0
		25	0	19.79	19.90	19.91	21.0
		25	12	19.98	19.85	19.76	21.0
		25	25	19.89	19.92	19.90	21.0
		50	0	19.87	19.89	19.82	21.0

LTE Band7

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				20775	21100	21425	
				2502.5	2535	2567.5	
5	QPSK	1	0	22.07	21.99	22.03	23.3
		1	12	22.15	21.88	22.01	23.3
		1	24	22.20	22.00	22.34	23.3
		12	0	21.09	20.95	20.88	22.3
		12	7	21.21	21.01	21.06	22.3
		12	13	21.15	21.02	20.97	22.3
		25	0	21.15	21.00	20.96	22.3
	16QAM	1	0	21.22	21.19	21.23	22.3
		1	12	21.65	21.07	21.22	22.3
		1	24	21.44	21.10	21.35	22.3
		12	0	20.24	19.89	19.93	21.3
		12	7	20.09	20.08	20.13	21.3
		12	13	20.19	20.02	20.11	21.3
		25	0	20.13	19.99	20.05	21.3
	64QAM	1	0	20.27	20.20	20.21	21.3

		1	12	20.38	20.34	20.28	21.3
		1	24	20.73	20.36	20.33	21.3
		12	0	19.10	18.82	18.89	20.3
		12	7	19.14	19.03	19.07	20.3
		12	13	19.09	18.99	19.05	20.3
		25	0	19.15	19.06	18.92	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				20800	21100	21400	
				2505	2535	2565	
10	QPSK	1	0	22.03	22.15	21.89	23.3
		1	25	22.02	21.91	21.83	23.3
		1	49	22.11	21.83	21.80	23.3
		25	0	21.07	20.89	20.94	22.3
		25	12	21.12	21.12	20.98	22.3
		25	25	21.10	21.06	21.07	22.3
		50	0	21.14	21.05	20.96	22.3
	16QAM	1	0	21.39	21.17	21.49	22.3
		1	25	21.44	21.24	21.30	22.3
		1	49	21.14	20.84	21.31	22.3
		25	0	20.06	20.03	19.90	21.3
		25	12	20.13	20.06	19.99	21.3
		25	25	20.06	20.04	20.01	21.3
		50	0	20.11	20.05	19.95	21.3
	64QAM	1	0	20.26	20.04	20.16	21.3
		1	25	20.03	20.22	20.16	21.3
		1	49	20.14	20.42	20.23	21.3
		25	0	19.06	18.86	18.92	20.3
		25	12	19.18	19.06	19.00	20.3
		25	25	19.07	19.04	19.01	20.3
		50	0	19.08	18.99	18.92	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				20825	21100	21375	
				2507.5	2535	2562.5	
15	QPSK	1	0	22.01	21.95	21.94	23.3
		1	37	21.95	21.83	21.84	23.3
		1	74	21.87	21.80	21.87	23.3
		36	0	21.08	20.96	20.92	22.3
		36	29	21.08	21.01	20.96	22.3
		36	30	21.03	21.03	21.01	22.3
		75	0	21.02	20.91	20.97	22.3
	16QAM	1	0	21.12	20.98	21.08	22.3
		1	37	21.57	21.03	21.08	22.3
		1	74	21.10	21.02	21.03	22.3
		36	0	20.02	19.93	19.93	21.3

		36	29	20.11	19.93	20.00	21.3
		36	30	20.15	19.99	20.03	21.3
		75	0	20.07	20.00	19.99	21.3
	64QAM	1	0	20.04	19.98	20.02	21.3
		1	37	20.02	19.85	19.92	21.3
		1	74	19.97	19.87	19.83	21.3
		36	0	19.08	18.93	18.90	20.3
		36	29	19.11	19.10	19.04	20.3
		36	30	18.99	19.00	18.98	20.3
		75	0	19.05	18.95	18.96	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				20850	21100	21350	Tune-up Tolerance
				2510	2535	2560	
20	QPSK	1	0	21.96	21.99	21.83	23.3
		1	49	21.97	21.89	21.99	23.3
		1	99	22.00	21.82	21.87	23.3
		50	0	21.00	20.95	20.89	22.3
		50	24	21.09	21.02	20.96	22.3
		50	50	20.95	20.98	21.01	22.3
		100	0	21.09	20.93	20.87	22.3
	16QAM	1	0	21.48	21.17	21.17	22.3
		1	49	21.03	21.81	21.04	22.3
		1	99	20.89	21.05	21.05	22.3
		50	0	19.95	19.99	19.90	21.3
		50	24	20.12	20.04	19.96	21.3
		50	50	20.04	20.05	19.98	21.3
		100	0	20.07	20.09	19.89	21.3
	64QAM	1	0	20.34	20.27	19.83	21.3
		1	49	20.14	20.03	19.84	21.3
		1	99	20.10	20.29	20.14	21.3
		50	0	18.98	18.89	18.92	20.3
		50	24	19.14	18.98	18.87	20.3
		50	50	19.05	19.01	19.00	20.3
		100	0	19.03	19.02	18.85	20.3

LTE Band12

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				23017	23095	23173	Tune-up Tolerance
				699.7	707.5	715.3	
1.4	QPSK	1	0	22.61	22.88	22.74	24.0
		1	3	22.60	22.79	22.76	24.0
		1	5	22.54	22.76	22.77	24.0
		3	0	22.71	22.73	22.72	24.0

		3	1	22.63	22.83	22.77	24.0
		3	3	22.76	22.72	22.73	24.0
		6	0	21.67	21.68	21.88	23.0
	16QAM	1	0	21.99	21.78	22.01	23.0
		1	3	21.90	22.19	22.00	23.0
		1	5	21.76	21.84	22.13	23.0
		3	0	21.76	21.95	21.70	23.0
		3	1	21.77	21.99	21.70	23.0
		3	3	21.54	21.97	22.01	23.0
		6	0	20.84	20.72	20.85	22.0
	64QAM	1	0	21.08	20.84	21.09	22.0
		1	3	21.05	20.78	21.10	22.0
		1	5	20.87	20.88	21.04	22.0
		3	0	20.98	20.97	20.79	22.0
		3	1	20.75	20.94	20.95	22.0
		3	3	20.80	20.90	20.75	22.0
		6	0	19.83	19.77	19.78	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				23025	23095	23165	
				700.5	707.5	714.5	
3	QPSK	1	0	22.68	22.75	22.76	24.0
		1	8	22.65	22.77	22.63	24.0
		1	14	22.59	22.73	22.68	24.0
		8	0	21.77	21.75	21.78	23.0
		8	4	21.78	21.76	21.87	23.0
		8	7	21.76	21.79	21.75	23.0
		15	0	21.76	21.72	21.76	23.0
	16QAM	1	0	21.90	22.01	21.83	23.0
		1	8	21.75	22.05	22.18	23.0
		1	14	21.95	21.71	22.26	23.0
		8	0	20.89	20.85	20.73	22.0
		8	4	20.80	20.81	20.82	22.0
		8	7	20.73	20.70	20.79	22.0
		15	0	20.80	20.80	20.83	22.0
	64QAM	1	0	20.95	21.02	21.10	22.0
		1	8	20.87	20.81	20.94	22.0
		1	14	20.75	20.89	21.07	22.0
		8	0	19.87	19.81	19.79	21.0
		8	4	19.78	19.89	19.86	21.0
		8	7	19.68	20.01	19.71	21.0
		15	0	19.84	19.70	19.85	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				23035	23095	23155	
				701.5	707.5	713.5	

		1	0	22.74	23.11	22.79	24.0
		1	12	22.78	22.79	22.90	24.0
		1	24	22.63	22.68	22.86	24.0
	QPSK	12	0	21.68	21.82	21.80	23.0
		12	7	21.78	21.86	21.90	23.0
		12	13	21.71	21.85	21.80	23.0
		25	0	21.76	21.75	21.77	23.0
		1	0	21.88	22.16	22.22	23.0
		1	12	22.23	22.08	22.27	23.0
		1	24	21.64	22.05	22.01	23.0
5	16QAM	12	0	20.74	20.75	20.80	22.0
		12	7	20.75	20.80	20.90	22.0
		12	13	20.73	20.84	20.86	22.0
		25	0	20.75	20.71	20.82	22.0
		1	0	21.11	21.09	21.45	22.0
		1	12	21.18	21.32	20.93	22.0
		1	24	20.96	21.13	20.96	22.0
	64QAM	12	0	19.71	19.74	19.84	21.0
		12	7	19.83	19.90	19.91	21.0
		12	13	19.80	19.84	19.77	21.0
		25	0	19.75	19.73	19.87	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				23060	23095	23130	
				704	707.5	711	
		1	0	22.78	22.67	22.66	24.0
		1	25	22.77	22.83	22.74	24.0
		1	49	22.73	22.79	22.75	24.0
	QPSK	25	0	21.73	21.70	21.76	23.0
		25	12	21.79	21.68	21.74	23.0
		25	25	21.81	21.89	21.88	23.0
		50	0	21.79	21.75	21.72	23.0
		1	0	22.06	22.47	22.17	23.0
		1	25	22.08	21.77	21.93	23.0
		1	49	21.97	21.93	22.28	23.0
10	16QAM	25	0	20.61	20.66	20.76	22.0
		25	12	20.87	20.83	20.80	22.0
		25	25	20.85	20.91	20.88	22.0
		50	0	20.67	20.74	20.81	22.0
		1	0	20.81	21.07	21.31	22.0
		1	25	20.87	21.24	21.20	22.0
		1	49	21.21	21.32	21.01	22.0
	64QAM	25	0	19.76	19.66	19.77	21.0
		25	12	19.86	19.82	19.80	21.0
		25	25	19.87	19.80	19.79	21.0
		50	0	19.82	19.68	19.61	21.0

LTE Band13

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				23205	23230	23255	
				779.5	782	784.5	
5	QPSK	1	0	23.17	23.10	23.08	24.0
		1	12	23.18	23.08	23.03	24.0
		1	24	23.04	23.04	23.09	24.0
		12	0	22.12	22.10	22.02	23.0
		12	7	22.15	22.02	22.09	23.0
		12	13	22.14	22.04	22.06	23.0
		25	0	22.10	21.95	22.11	23.0
	16QAM	1	0	22.35	22.20	22.10	23.0
		1	12	22.48	22.21	22.46	23.0
		1	24	22.20	22.37	22.40	23.0
		12	0	21.09	21.11	21.09	22.0
		12	7	21.17	21.06	21.12	22.0
		12	13	21.11	20.91	21.13	22.0
		25	0	21.05	20.98	21.17	22.0
	64QAM	1	0	21.23	21.56	21.47	22.0
		1	12	21.32	21.46	21.44	22.0
		1	24	21.31	21.32	21.36	22.0
		12	0	20.03	20.14	20.04	21.0
		12	7	20.30	19.94	20.14	21.0
		12	13	20.14	20.08	20.03	21.0
		25	0	19.99	20.02	20.04	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				23230			
				782			
10	QPSK	1	0	22.97	23.03	22.86	24.0
		1	25	22.94	23.06	23.04	24.0
		1	49	22.91	23.15	23.13	24.0
		25	0	22.10	22.04	22.15	23.0
		25	12	22.07	22.06	22.04	23.0
		25	25	22.07	22.05	22.14	23.0
		50	0	22.12	21.95	22.07	23.0
	16QAM	1	0	22.22	22.28	22.35	23.0
		1	25	22.41	22.42	22.26	23.0
		1	49	22.23	22.60	22.43	23.0
		25	0	21.17	21.13	21.14	22.0
		25	12	21.14	21.10	21.09	22.0
		25	25	21.12	21.08	21.20	22.0
		50	0	21.05	21.05	21.18	22.0
	64QAM	1	0	21.33	21.19	21.43	22.0

		1	25	21.31	21.42	21.25	22.0
		1	49	21.29	21.30	21.42	22.0
		25	0	20.13	20.13	20.09	21.0
		25	12	20.10	20.03	20.09	21.0
		25	25	19.98	20.07	20.06	21.0
		50	0	20.04	20.07	20.01	21.0

LTE Band17

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				23755	23790	23825	
				706.5	710	713.5	
5	QPSK	1	0	22.78	22.81	22.68	24.0
		1	12	22.79	22.80	23.03	24.0
		1	24	22.80	22.77	22.73	24.0
		12	0	21.69	21.70	21.71	23.0
		12	7	21.87	21.82	21.66	23.0
		12	13	21.74	21.79	21.81	23.0
		25	0	21.73	21.76	21.79	23.0
	16QAM	1	0	21.89	21.95	21.96	23.0
		1	12	21.45	22.17	22.05	23.0
		1	24	21.92	21.67	22.16	23.0
		12	0	20.74	20.81	20.84	22.0
		12	7	20.84	20.90	20.73	22.0
		12	13	20.84	20.72	20.88	22.0
		25	0	20.75	20.83	20.81	22.0
	64QAM	1	0	21.12	21.29	21.24	22.0
		1	12	21.30	21.15	21.40	22.0
		1	24	20.85	21.01	20.96	22.0
		12	0	19.75	19.74	19.79	21.0
		12	7	19.92	19.91	19.64	21.0
		12	13	19.79	19.85	19.83	21.0
		25	0	19.81	19.66	19.79	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				23780	23790	23800	
				709	710	711	
10	QPSK	1	0	22.69	22.75	22.77	24.0
		1	25	22.69	22.80	22.92	24.0
		1	49	22.60	22.75	22.75	24.0
		25	0	21.65	21.77	21.70	23.0
		25	12	21.86	21.85	21.77	23.0
		25	25	21.71	21.78	21.83	23.0
		50	0	21.72	21.74	21.80	23.0
	16QAM	1	0	21.67	21.93	22.08	23.0
		1	25	22.11	22.19	22.25	23.0
		1	49	22.03	22.17	22.08	23.0
		25	0	20.80	20.67	20.76	22.0
		25	12	20.89	20.75	20.79	22.0
		25	25	20.87	20.78	20.82	22.0
		50	0	20.80	20.67	20.66	22.0
	64QAM	1	0	21.13	20.80	21.33	22.0
		1	25	21.51	20.70	21.31	22.0
		1	49	21.07	20.97	21.24	22.0

		25	0	19.74	19.74	19.76	21.0
		25	12	19.84	19.80	19.80	21.0
		25	25	19.80	19.74	19.81	21.0
		50	0	19.79	19.76	19.82	21.0

LTE Band38

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				37775	38000	38225	
				2572.5	2595	2617.5	
5	QPSK	1	0	22.88	22.67	22.80	24.0
		1	12	22.81	22.66	23.00	24.0
		1	24	22.59	22.60	22.72	24.0
		12	0	21.71	21.70	21.63	23.0
		12	7	21.67	21.80	21.64	23.0
		12	13	21.71	21.69	21.64	23.0
		25	0	21.76	21.63	21.58	23.0
	16QAM	1	0	21.67	22.07	21.97	23.0
		1	12	22.12	21.80	21.61	23.0
		1	24	21.92	21.81	21.71	23.0
		12	0	20.74	20.78	20.80	22.0
		12	7	20.83	20.85	20.68	22.0
		12	13	20.67	20.79	20.61	22.0
		25	0	20.81	20.77	20.62	22.0
	64QAM	1	0	20.70	20.49	20.51	22.0
		1	12	20.78	20.53	20.22	22.0
		1	24	20.62	20.70	20.49	22.0
		12	0	19.62	19.43	19.36	21.0
		12	7	19.69	19.66	19.39	21.0
		12	13	19.53	19.55	19.33	21.0
		25	0	19.60	19.50	19.45	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				37800	38000	38200	
				2575	2595	2615	
10	QPSK	1	0	22.68	22.62	22.61	24.0
		1	25	22.70	22.68	22.57	24.0
		1	49	22.61	22.67	22.70	24.0
		25	0	21.80	21.73	21.68	23.0
		25	12	21.83	21.74	21.69	23.0
		25	25	21.73	21.76	21.64	23.0
		50	0	21.74	21.71	21.69	23.0
	16QAM	1	0	21.82	21.87	21.79	23.0
		1	25	22.01	21.96	21.63	23.0
		1	49	21.88	21.71	21.78	23.0
		25	0	20.86	20.71	20.81	22.0

		25	12	20.81	20.67	20.72	22.0
		25	25	20.75	20.74	20.72	22.0
		50	0	20.85	20.66	20.62	22.0
	64QAM	1	0	20.70	20.99	20.43	22.0
		1	25	20.67	20.73	20.45	22.0
		1	49	20.49	20.80	20.77	22.0
		25	0	19.62	19.45	19.47	21.0
		25	12	19.65	19.44	19.46	21.0
		25	25	19.55	19.56	19.38	21.0
		50	0	19.52	19.42	19.32	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				37825	38000	38175	Tune-up Tolerance
				2577.5	2595	2612.5	
15	QPSK	1	0	22.71	22.71	22.70	24.0
		1	37	22.79	23.02	22.74	24.0
		1	74	22.73	22.58	22.43	24.0
		36	0	21.78	21.75	21.67	23.0
		36	29	21.83	21.72	21.61	23.0
		36	30	21.74	21.75	21.69	23.0
		75	0	21.72	21.71	21.64	23.0
	16QAM	1	0	21.95	21.99	21.81	23.0
		1	37	22.11	22.02	21.85	23.0
		1	74	21.97	21.75	21.69	23.0
		36	0	20.89	20.69	20.78	22.0
		36	29	20.82	20.69	20.70	22.0
		36	30	20.78	20.80	20.72	22.0
		75	0	20.79	20.66	20.60	22.0
	64QAM	1	0	20.69	20.93	20.63	22.0
		1	37	20.68	20.90	20.47	22.0
		1	74	20.83	20.84	20.42	22.0
		36	0	19.64	19.48	19.47	21.0
		36	29	19.52	19.49	19.31	21.0
		36	30	19.60	19.47	19.49	21.0
		75	0	19.56	19.41	19.45	21.0

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				37850	38000	38150	Tune-up Tolerance
				2580	2595	2610	
20	QPSK	1	0	22.70	22.76	22.70	24.0
		1	49	22.62	22.78	22.63	24.0
		1	99	22.88	22.70	22.53	24.0
		50	0	21.74	21.76	21.75	23.0
		50	24	21.83	21.69	21.69	23.0
		50	50	21.78	21.60	21.64	23.0
		100	0	21.86	21.67	21.64	23.0

		1	0	22.23	21.91	21.90	23.0
		1	49	21.82	21.81	21.73	23.0
		1	99	21.84	21.87	21.79	23.0
	16QAM	50	0	20.83	20.77	20.79	22.0
		50	24	20.82	20.79	20.74	22.0
		50	50	20.74	20.67	20.60	22.0
		100	0	20.78	20.70	20.76	22.0
		1	0	20.50	20.73	20.47	22.0
		1	49	20.87	20.83	20.28	22.0
		1	99	20.62	20.76	20.24	22.0
	64QAM	50	0	19.52	19.54	19.43	21.0
		50	24	19.55	19.47	19.41	21.0
		50	50	19.48	19.38	19.38	21.0
		100	0	19.59	19.46	19.43	21.0

LTE Band41

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				39675	40620	41565	
				2498.5	2593	2687.5	
5	QPSK	1	0	23.47	23.39	23.39	24.5
		1	12	23.57	23.30	23.41	24.5
		1	24	23.38	23.42	23.23	24.5
		12	0	22.56	22.35	22.40	23.5
		12	7	22.48	22.35	22.37	23.5
		12	13	22.54	22.37	22.43	23.5
		25	0	22.61	22.33	22.39	23.5
	16QAM	1	0	22.27	22.44	22.34	23.5
		1	12	22.52	22.34	22.36	23.5
		1	24	22.43	22.22	22.07	23.5
		12	0	21.55	21.25	21.43	22.5
		12	7	21.65	21.40	21.50	22.5
		12	13	21.62	21.33	21.34	22.5
		25	0	21.49	21.31	21.43	22.5
	64QAM	1	0	21.23	21.06	21.04	22.5
		1	12	21.39	21.21	20.96	22.5
		1	24	21.17	21.35	20.83	22.5
		12	0	20.30	20.14	20.10	21.5
		12	7	20.36	20.16	20.07	21.5
		12	13	20.28	20.02	20.02	21.5
		25	0	20.33	20.08	20.05	21.5

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				39700	40620	41540	
				2501	2593	2685	
10	QPSK	1	0	23.43	23.37	23.35	24.5

		1	25	23.44	23.09	23.34	24.5
		1	49	23.26	23.30	23.48	24.5
		25	0	22.42	22.23	22.41	23.5
		25	12	22.53	22.32	22.38	23.5
		25	25	22.49	22.27	22.48	23.5
		50	0	22.54	22.31	22.37	23.5
	16QAM	1	0	22.39	22.36	22.16	23.5
		1	25	22.35	22.73	22.26	23.5
		1	49	22.22	22.29	22.20	23.5
		25	0	21.54	21.24	21.39	22.5
		25	12	21.57	21.36	21.48	22.5
		25	25	21.52	21.40	21.32	22.5
		50	0	21.51	21.32	21.38	22.5
	64QAM	1	0	21.34	21.02	20.88	22.5
		1	25	21.41	21.36	21.00	22.5
		1	49	21.28	20.97	21.11	22.5
		25	0	20.29	20.00	19.94	21.5
		25	12	20.40	20.18	20.15	21.5
		25	25	20.36	20.11	20.07	21.5
		50	0	20.39	20.13	20.10	21.5

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				39725	40620	41515	Tune-up Tolerance
				2503.5	2593	2682.5	
15	QPSK	1	0	23.54	23.48	23.17	24.5
		1	37	23.59	23.38	23.34	24.5
		1	74	23.27	23.35	23.31	24.5
		36	0	22.46	22.23	22.31	23.5
		36	29	22.47	22.36	22.34	23.5
		36	30	22.49	22.35	22.38	23.5
		75	0	22.53	22.34	22.39	23.5
	16QAM	1	0	22.29	22.34	21.92	23.5
		1	37	22.47	22.36	22.12	23.5
		1	74	22.41	22.33	22.27	23.5
		36	0	21.46	21.31	21.30	22.5
		36	29	21.57	21.27	21.33	22.5
		36	30	21.46	21.27	21.44	22.5
		75	0	21.50	21.38	21.36	22.5
	64QAM	1	0	21.44	20.97	20.82	22.5
		1	37	21.23	21.33	21.02	22.5
		1	74	21.19	21.25	21.26	22.5
		36	0	20.28	20.04	20.00	21.5
		36	29	20.35	20.17	20.13	21.5
		36	30	20.41	20.08	20.08	21.5
		75	0	20.38	20.07	20.11	21.5

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				39750	40620	41490	
				2506	2593	2680	
20	QPSK	1	0	23.40	23.23	23.39	24.5
		1	49	23.25	23.37	23.37	24.5
		1	99	23.35	23.20	23.65	24.5
		50	0	22.44	22.32	22.28	23.5
		50	24	22.55	22.39	22.35	23.5
		50	50	22.47	22.32	22.34	23.5
		100	0	22.39	22.31	22.25	23.5
	16QAM	1	0	22.39	22.31	22.28	23.5
		1	49	22.44	22.49	22.34	23.5
		1	99	22.65	22.31	22.19	23.5
		50	0	21.44	21.24	21.27	22.5
		50	24	21.53	21.36	21.30	22.5
		50	50	21.48	21.31	21.39	22.5
		100	0	21.53	21.31	21.26	22.5
	64QAM	1	0	21.17	20.85	20.77	22.5
		1	49	21.13	21.18	21.23	22.5
		1	99	21.10	20.68	20.82	22.5
		50	0	20.28	20.02	20.03	21.5
		50	24	20.40	20.16	20.05	21.5
		50	50	20.39	20.08	20.11	21.5
		100	0	20.36	20.10	20.05	21.5

LTE Band66

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				131979	132422	132665	
				1710.7	1755	1779.3	
1.4	QPSK	1	0	22.14	22.30	22.31	23.3
		1	3	22.17	22.30	22.34	23.3
		1	5	22.21	22.31	22.35	23.3
		3	0	22.16	22.33	22.45	23.3
		3	1	22.12	22.34	22.40	23.3
		3	3	22.11	22.31	22.44	23.3
		6	0	21.19	21.28	21.35	22.3
	16QAM	1	0	21.47	21.66	21.37	22.3
		1	3	21.24	21.38	21.50	22.3
		1	5	21.45	21.58	21.69	22.3
		3	0	21.27	21.27	21.35	22.3
		3	1	21.20	21.43	21.24	22.3
		3	3	21.07	21.03	21.40	22.3
		6	0	20.17	20.26	20.45	21.3
	64QAM	1	0	20.36	20.62	20.74	21.3

		1	3	20.54	20.66	20.48	21.3
		1	5	20.84	20.79	20.50	21.3
		3	0	20.37	20.62	20.58	21.3
		3	1	20.27	20.38	20.21	21.3
		3	3	20.36	20.40	20.54	21.3
		6	0	19.29	19.38	19.51	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				131987	132422	132657	
				1711.5	1755	1778.5	
3	QPSK	1	0	22.15	22.22	22.31	23.3
		1	8	22.38	22.66	22.50	23.3
		1	14	22.12	22.32	22.36	23.3
		8	0	21.25	21.35	21.35	22.3
		8	4	21.35	21.37	21.32	22.3
		8	7	21.33	21.46	21.40	22.3
		15	0	21.27	21.30	21.36	22.3
	16QAM	1	0	21.64	21.52	21.79	22.3
		1	8	21.39	21.46	21.38	22.3
		1	14	21.60	21.51	21.23	22.3
		8	0	20.40	20.31	20.43	21.3
		8	4	20.34	20.37	20.42	21.3
		8	7	20.36	20.30	20.46	21.3
		15	0	20.38	20.33	20.24	21.3
	64QAM	1	0	20.12	20.34	20.54	21.3
		1	8	20.56	20.48	20.70	21.3
		1	14	20.35	20.63	20.83	21.3
		8	0	19.32	19.37	19.43	20.3
		8	4	19.42	19.42	19.52	20.3
		8	7	19.35	19.39	19.47	20.3
		15	0	19.26	19.28	19.40	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				131997	132422	132647	
				1712.5	1755	1777.5	
5	QPSK	1	0	22.25	22.36	22.49	23.3
		1	12	22.36	22.85	22.53	23.3
		1	24	22.32	22.29	22.44	23.3
		12	0	21.33	21.22	21.33	22.3
		12	7	21.35	21.35	21.43	22.3
		12	13	21.29	21.34	21.39	22.3
		25	0	21.28	21.26	21.39	22.3
	16QAM	1	0	21.49	21.50	21.37	22.3
		1	12	21.58	21.48	21.87	22.3
		1	24	21.43	22.09	21.30	22.3
		12	0	20.41	20.31	20.30	21.3

		12	7	20.33	20.34	20.47	21.3
		12	13	20.27	20.42	20.42	21.3
		25	0	20.25	20.31	20.36	21.3
	64QAM	1	0	20.79	20.93	20.64	21.3
		1	12	20.63	20.85	20.72	21.3
		1	24	20.74	20.71	20.60	21.3
		12	0	19.35	19.32	19.32	20.3
		12	7	19.33	19.46	19.44	20.3
		12	13	19.27	19.31	19.29	20.3
		25	0	19.30	19.38	19.39	20.3

BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				132022	132422	132622	
				1715	1755	1775	
10	QPSK	1	0	22.14	22.08	22.28	23.3
		1	25	22.35	22.20	22.41	23.3
		1	49	22.24	22.29	22.35	23.3
		25	0	21.14	21.28	21.28	22.3
		25	12	21.30	21.35	21.36	22.3
		25	25	21.29	21.41	21.36	22.3
		50	0	21.32	21.29	21.29	22.3
	16QAM	1	0	21.55	21.41	21.36	22.3
		1	25	21.51	21.52	21.75	22.3
		1	49	21.15	21.45	21.51	22.3
		25	0	20.25	20.29	20.32	21.3
		25	12	20.31	20.27	20.39	21.3
		25	25	20.29	20.37	20.33	21.3
		50	0	20.28	20.31	20.35	21.3
	64QAM	1	0	20.43	20.15	20.75	21.3
		1	25	20.77	20.34	20.45	21.3
		1	49	20.05	20.28	20.45	21.3
		25	0	19.24	19.26	19.39	20.3
		25	12	19.27	19.34	19.44	20.3
		25	25	19.21	19.46	19.40	20.3
		50	0	19.26	19.33	19.31	20.3

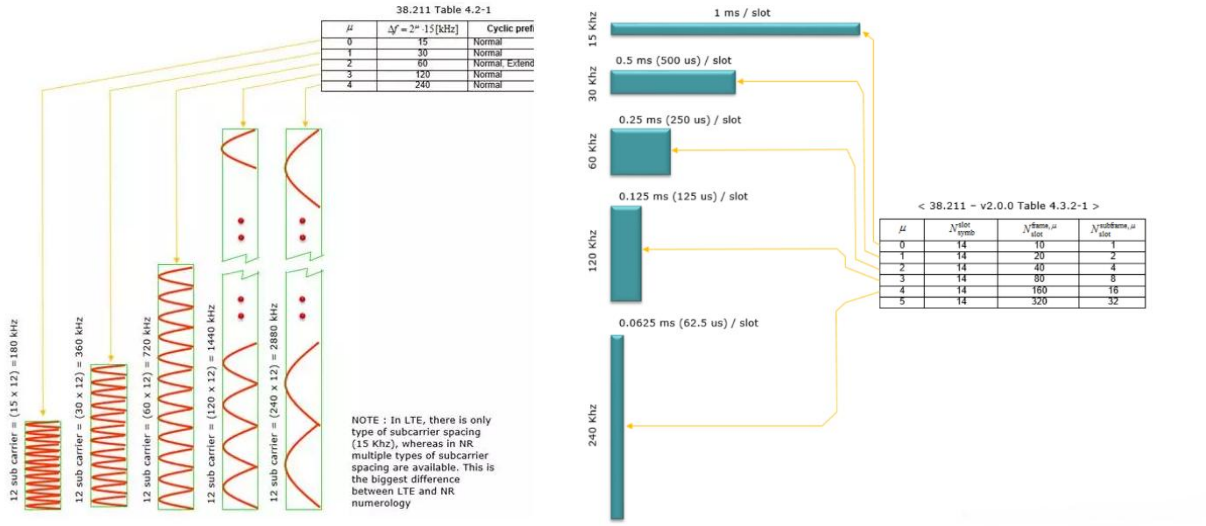
BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			Tune-up Tolerance
				132047	132422	132597	
				1717.5	1755	1772.5	
15	QPSK	1	0	22.23	22.42	22.26	23.3
		1	37	22.30	22.34	22.17	23.3
		1	74	22.27	22.63	22.19	23.3
		36	0	21.27	21.27	21.35	22.3
		36	29	21.31	21.37	21.40	22.3
		36	30	21.27	21.33	21.37	22.3

		75	0	21.29	21.24	21.35	22.3
	16QAM	1	0	21.40	21.68	21.48	22.3
		1	37	21.56	21.59	21.18	22.3
		1	74	21.58	22.09	21.44	22.3
		36	0	20.25	20.30	20.27	21.3
		36	29	20.26	20.28	20.31	21.3
		36	30	20.28	20.37	20.39	21.3
		75	0	20.32	20.23	20.39	21.3
	64QAM	1	0	20.31	20.43	20.35	21.3
		1	37	20.55	20.44	20.40	21.3
		1	74	20.19	20.64	20.62	21.3
		36	0	19.28	19.29	19.34	20.3
		36	29	19.31	19.38	19.48	20.3
		36	30	19.34	19.39	19.44	20.3
		75	0	19.24	19.34	19.44	20.3

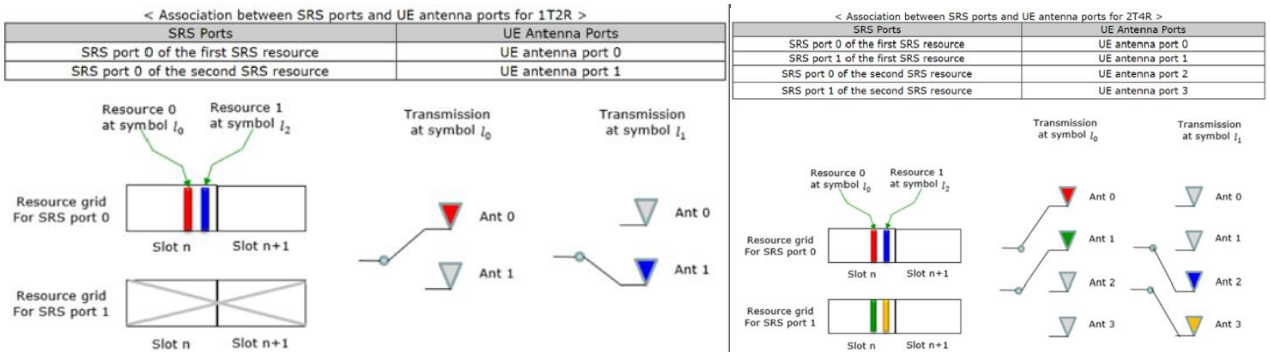
BW	Modulation	RB Size	RB Offset	Conducted power(dBm)			
				132072	132422	132572	Tune-up Tolerance
				1720	1755	1770	
20	QPSK	1	0	22.13	22.19	22.16	23.3
		1	49	22.22	22.36	22.25	23.3
		1	99	22.12	22.19	22.24	23.3
		50	0	21.26	21.36	21.33	22.3
		50	24	21.32	21.29	21.31	22.3
		50	50	21.31	21.39	21.32	22.3
		100	0	21.28	21.27	21.26	22.3
	16QAM	1	0	21.43	21.66	21.80	22.3
		1	49	21.62	21.52	21.51	22.3
		1	99	21.28	21.44	21.29	22.3
		50	0	20.21	20.35	20.29	21.3
		50	24	20.31	20.31	20.28	21.3
		50	50	20.36	20.36	20.32	21.3
		100	0	20.36	20.31	20.36	21.3
	64QAM	1	0	20.37	20.81	20.65	21.3
		1	49	20.17	20.16	20.63	21.3
		1	99	20.50	21.01	20.63	21.3
		50	0	19.17	19.27	19.32	20.3
		50	24	19.28	19.27	19.30	20.3
		50	50	19.26	19.41	19.43	20.3
		100	0	19.29	19.31	19.36	20.3

6.2.4 NR

SA



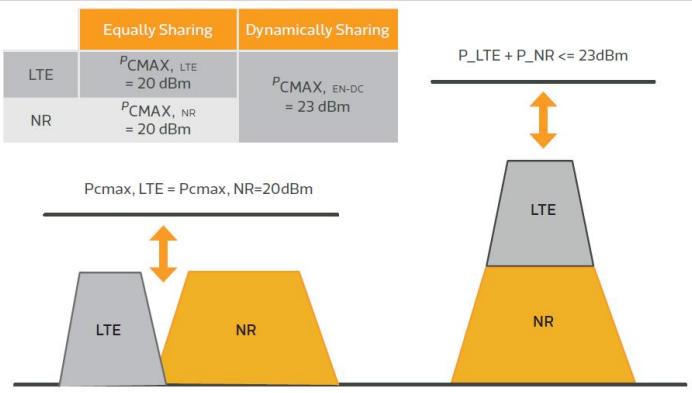
For TDD NR Band operation does not have the fixed UL/DL frame structure in the normal operation, but if the duty cycle larger than 50% for HPUE, MPR applied according to 3GPP. So SRTC proposing the conservative way to evaluate NR TDD which support HPUE with 50% duty cycle.



When DUT support SRS AS, the function shall be taken into account. Switching period (the last 6 symbols could be used in one slot) is low and not stable with automatically (1solt-2560slots) transmit or triggered by DCI format controlled by high layer, Then DUT choose the antenna(s) with best performance.

NSA

DPS (Dynamically Power Sharing) allocation method is often used for NR and LTE carrier of ENDC.



According to 3GPP 38.521 the maximum power for DFT-s-OFDM PI/2 BPSK (if support) and DFT-s-OFDM QPSK, so other wave-form (CP) and higher order modulation (such as 16QAM,64QAM,256QAM) are not mentioned here.

NR5 (DC_66A_n5A)

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	1	0	23.69	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	1	24	23.63	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	12	6	23.68	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	25	0	23.66	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	1	0	23.56	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	1	24	23.5	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	12	6	23.71	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	25	0	23.69	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	1	0	23.59	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	1	24	23.52	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	12	6	23.67	24.5
DFT-s-OFDM PI/2 BPSK	826.5	165300	5	25	0	23.72	24.5
DFT-s-OFDM QPSK	826.5	165300	5	1	0	23.66	24.5
DFT-s-OFDM QPSK	826.5	165300	5	1	24	23.66	24.5
DFT-s-OFDM QPSK	826.5	165300	5	12	6	23.66	24.5

DFT-s-OFDM QPSK	826.5	165300	5	25	0	23.74	24.5
DFT-s-OFDM QPSK	826.5	165300	5	1	0	23.65	24.5
DFT-s-OFDM QPSK	826.5	165300	5	1	24	23.73	24.5
DFT-s-OFDM QPSK	826.5	165300	5	12	6	23.79	24.5
DFT-s-OFDM QPSK	826.5	165300	5	25	0	23.67	24.5
DFT-s-OFDM QPSK	826.5	165300	5	1	0	23.65	24.5
DFT-s-OFDM QPSK	826.5	165300	5	1	24	23.65	24.5
DFT-s-OFDM QPSK	826.5	165300	5	12	6	23.65	24.5
DFT-s-OFDM QPSK	826.5	165300	5	25	0	23.72	24.5
DFT-s-OFDM 16QAM	826.5	165300	5	1	0	23.76	24.5
DFT-s-OFDM 16QAM	826.5	165300	5	1	24	23.65	24.5
DFT-s-OFDM 16QAM	826.5	165300	5	12	6	23.7	24.5
DFT-s-OFDM 16QAM	826.5	165300	5	25	0	23.78	24.5
DFT-s-OFDM 64QAM	826.5	165300	5	1	0	23.68	24.5
DFT-s-OFDM 64QAM	826.5	165300	5	1	24	23.65	24.5
DFT-s-OFDM 64QAM	826.5	165300	5	12	6	23.73	24.5
DFT-s-OFDM 64QAM	826.5	165300	5	25	0	23.7	24.5

DFT-s-OFDM 256QAM	826.5	165300	5	1	0	23.53	24.5
DFT-s-OFDM 256QAM	826.5	165300	5	1	24	23.53	24.5
DFT-s-OFDM 256QAM	826.5	165300	5	12	6	23.68	24.5
DFT-s-OFDM 256QAM	826.5	165300	5	25	0	23.7	24.5
CP-OFDM QPSK	836.5	167300	5	1	0	23.71	24.5
CP-OFDM QPSK	836.5	167300	5	1	24	23.67	24.5
CP-OFDM QPSK	836.5	167300	5	13	6	23.68	24.5
CP-OFDM QPSK	836.5	167300	5	25	0	23.69	24.5
CP-OFDM 16QAM	836.5	167300	5	1	0	23.75	24.5
CP-OFDM 16QAM	836.5	167300	5	1	24	23.76	24.5
CP-OFDM 16QAM	836.5	167300	5	13	6	23.72	24.5
CP-OFDM 16QAM	836.5	167300	5	25	0	23.68	24.5
CP-OFDM 64QAM	836.5	167300	5	1	0	23.63	24.5
CP-OFDM 64QAM	836.5	167300	5	1	24	23.63	24.5
CP-OFDM 64QAM	836.5	167300	5	13	6	23.67	24.5
CP-OFDM 64QAM	836.5	167300	5	25	0	23.69	24.5
CP-OFDM 256QAM	836.5	167300	5	1	0	23.13	24.5
CP-OFDM 256QAM	836.5	167300	5	1	24	23.13	24.5
CP-OFDM 256QAM	836.5	167300	5	13	6	23.23	24.5
CP-OFDM 256QAM	836.5	167300	5	25	0	23.24	24.5
DFT-s-OFDM 16QAM	836.5	167300	5	1	0	23.78	24.5
DFT-s-OFDM 16QAM	836.5	167300	5	1	24	23.67	24.5

DFT-s-OFDM 16QAM	836.5	167300	5	12	6	23.72	24.5
DFT-s-OFDM 16QAM	836.5	167300	5	25	0	23.74	24.5
DFT-s-OFDM 64QAM	836.5	167300	5	1	0	23.67	24.5
DFT-s-OFDM 64QAM	836.5	167300	5	1	24	23.63	24.5
DFT-s-OFDM 64QAM	836.5	167300	5	12	6	23.68	24.5
DFT-s-OFDM 64QAM	836.5	167300	5	25	0	23.69	24.5
DFT-s-OFDM 256QAM	836.5	167300	5	1	0	23.64	24.5
DFT-s-OFDM 256QAM	836.5	167300	5	1	24	23.62	24.5
DFT-s-OFDM 256QAM	836.5	167300	5	12	6	23.71	24.5
DFT-s-OFDM 256QAM	836.5	167300	5	25	0	23.71	24.5
CP-OFDM QPSK	836.5	167300	5	1	0	23.74	24.5
CP-OFDM QPSK	836.5	167300	5	1	24	23.64	24.5
CP-OFDM QPSK	836.5	167300	5	13	6	23.72	24.5
CP-OFDM QPSK	836.5	167300	5	25	0	23.66	24.5
CP-OFDM 16QAM	836.5	167300	5	1	0	23.81	24.5
CP-OFDM 16QAM	836.5	167300	5	1	24	23.78	24.5
CP-OFDM 16QAM	836.5	167300	5	13	6	23.75	24.5
CP-OFDM 16QAM	836.5	167300	5	25	0	23.7	24.5
CP-OFDM 64QAM	846.5	169300	5	1	0	23.7	24.5
CP-OFDM 64QAM	846.5	169300	5	1	24	23.64	24.5

CP-OFDM 64QAM	846.5	169300	5	13	6	23.73	24.5
CP-OFDM 64QAM	846.5	169300	5	25	0	23.76	24.5
CP-OFDM 256QAM	846.5	169300	5	1	0	23.15	24.5
CP-OFDM 256QAM	846.5	169300	5	1	24	23.14	24.5
CP-OFDM 256QAM	846.5	169300	5	13	6	23.27	24.5
CP-OFDM 256QAM	846.5	169300	5	25	0	23.26	24.5
DFT-s-OFDM 16QAM	846.5	169300	5	1	0	23.73	24.5
DFT-s-OFDM 16QAM	846.5	169300	5	1	24	23.75	24.5
DFT-s-OFDM 16QAM	846.5	169300	5	12	6	23.73	24.5
DFT-s-OFDM 16QAM	846.5	169300	5	25	0	23.7	24.5
DFT-s-OFDM 64QAM	846.5	169300	5	1	0	23.63	24.5
DFT-s-OFDM 64QAM	846.5	169300	5	1	24	23.66	24.5
DFT-s-OFDM 64QAM	846.5	169300	5	12	6	23.71	24.5
DFT-s-OFDM 64QAM	846.5	169300	5	25	0	23.71	24.5
DFT-s-OFDM 256QAM	846.5	169300	5	1	0	23.56	24.5
DFT-s-OFDM 256QAM	846.5	169300	5	1	24	23.55	24.5
DFT-s-OFDM 256QAM	846.5	169300	5	12	6	23.75	24.5
DFT-s-OFDM 256QAM	846.5	169300	5	25	0	23.67	24.5
CP-OFDM QPSK	846.5	169300	5	1	0	23.66	24.5

CP-OFDM QPSK	846.5	169300	5	1	24	23.69	24.5
CP-OFDM QPSK	846.5	169300	5	13	6	23.76	24.5
CP-OFDM QPSK	846.5	169300	5	25	0	23.68	24.5
CP-OFDM 16QAM	846.5	169300	5	1	0	23.8	24.5
CP-OFDM 16QAM	846.5	169300	5	1	24	23.75	24.5
CP-OFDM 16QAM	846.5	169300	5	13	6	23.68	24.5
CP-OFDM 16QAM	846.5	169300	5	25	0	23.65	24.5
CP-OFDM 64QAM	846.5	169300	5	1	0	23.63	24.5
CP-OFDM 64QAM	846.5	169300	5	1	24	23.6	24.5
CP-OFDM 64QAM	846.5	169300	5	13	6	23.67	24.5
CP-OFDM 64QAM	846.5	169300	5	25	0	23.71	24.5
CP-OFDM 256QAM	846.5	169300	5	1	0	23.13	24.5
CP-OFDM 256QAM	846.5	169300	5	1	24	23.13	24.5
CP-OFDM 256QAM	846.5	169300	5	13	6	23.23	24.5
CP-OFDM 256QAM	846.5	169300	5	25	0	23.26	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	829	165800	10	1	0	23.67	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	1	51	23.55	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	25	12	23.67	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	50	0	23.68	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	1	0	23.65	24.5

DFT-s-OFDM PI/2 BPSK	829	165800	10	1	51	23.51	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	25	12	23.68	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	50	0	23.66	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	1	0	23.68	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	1	51	23.53	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	25	12	23.66	24.5
DFT-s-OFDM PI/2 BPSK	829	165800	10	50	0	23.67	24.5
DFT-s-OFDM QPSK	829	165800	10	1	0	23.6	24.5
DFT-s-OFDM QPSK	829	165800	10	1	51	23.69	24.5
DFT-s-OFDM QPSK	829	165800	10	25	12	23.68	24.5
DFT-s-OFDM QPSK	829	165800	10	50	0	23.67	24.5
DFT-s-OFDM QPSK	829	165800	10	1	0	23.71	24.5
DFT-s-OFDM QPSK	829	165800	10	1	51	23.66	24.5
DFT-s-OFDM QPSK	829	165800	10	25	12	23.7	24.5
DFT-s-OFDM QPSK	829	165800	10	50	0	23.69	24.5
DFT-s-OFDM QPSK	829	165800	10	1	0	23.65	24.5
DFT-s-OFDM QPSK	829	165800	10	1	51	23.64	24.5

DFT-s-OFDM QPSK	829	165800	10	25	12	23.67	24.5
DFT-s-OFDM QPSK	829	165800	10	50	0	23.68	24.5
DFT-s-OFDM 16QAM	829	165800	10	1	0	23.73	24.5
DFT-s-OFDM 16QAM	829	165800	10	1	51	23.68	24.5
DFT-s-OFDM 16QAM	829	165800	10	25	12	23.69	24.5
DFT-s-OFDM 16QAM	829	165800	10	50	0	23.66	24.5
DFT-s-OFDM 64QAM	829	165800	10	1	0	23.62	24.5
DFT-s-OFDM 64QAM	829	165800	10	1	51	23.64	24.5
DFT-s-OFDM 64QAM	829	165800	10	25	12	23.7	24.5
DFT-s-OFDM 64QAM	829	165800	10	50	0	23.67	24.5
DFT-s-OFDM 256QAM	829	165800	10	1	0	23.55	24.5
DFT-s-OFDM 256QAM	829	165800	10	1	51	23.53	24.5
DFT-s-OFDM 256QAM	829	165800	10	25	12	23.63	24.5
DFT-s-OFDM 256QAM	829	165800	10	50	0	23.73	24.5
CP-OFDM QPSK	836.5	167300	10	1	0	23.64	24.5
CP-OFDM QPSK	836.5	167300	10	1	51	23.68	24.5
CP-OFDM QPSK	836.5	167300	10	26	13	23.64	24.5
CP-OFDM QPSK	836.5	167300	10	52	0	23.69	24.5

CP-OFDM 16QAM	836.5	167300	10	1	0	23.79	24.5
CP-OFDM 16QAM	836.5	167300	10	1	51	23.73	24.5
CP-OFDM 16QAM	836.5	167300	10	26	13	23.64	24.5
CP-OFDM 16QAM	836.5	167300	10	52	0	23.64	24.5
CP-OFDM 64QAM	836.5	167300	10	1	0	23.6	24.5
CP-OFDM 64QAM	836.5	167300	10	1	51	23.62	24.5
CP-OFDM 64QAM	836.5	167300	10	26	13	23.71	24.5
CP-OFDM 64QAM	836.5	167300	10	52	0	23.72	24.5
CP-OFDM 256QAM	836.5	167300	10	1	0	23.11	24.5
CP-OFDM 256QAM	836.5	167300	10	1	51	23.09	24.5
CP-OFDM 256QAM	836.5	167300	10	26	13	23.24	24.5
CP-OFDM 256QAM	836.5	167300	10	52	0	23.22	24.5
DFT-s-OFDM 16QAM	836.5	167300	10	1	0	23.74	24.5
DFT-s-OFDM 16QAM	836.5	167300	10	1	51	23.69	24.5
DFT-s-OFDM 16QAM	836.5	167300	10	25	12	23.67	24.5
DFT-s-OFDM 16QAM	836.5	167300	10	50	0	23.72	24.5
DFT-s-OFDM 64QAM	836.5	167300	10	1	0	23.66	24.5
DFT-s-OFDM 64QAM	836.5	167300	10	1	51	23.64	24.5
DFT-s-OFDM 64QAM	836.5	167300	10	25	12	23.72	24.5
DFT-s-OFDM 64QAM	836.5	167300	10	50	0	23.68	24.5
DFT-s-OFDM 256QAM	836.5	167300	10	1	0	23.51	24.5

DFT-s-OFDM 256QAM	836.5	167300	10	1	51	23.53	24.5
DFT-s-OFDM 256QAM	836.5	167300	10	25	12	23.61	24.5
DFT-s-OFDM 256QAM	836.5	167300	10	50	0	23.65	24.5
CP-OFDM QPSK	836.5	167300	10	1	0	23.69	24.5
CP-OFDM QPSK	836.5	167300	10	1	51	23.67	24.5
CP-OFDM QPSK	836.5	167300	10	26	13	23.64	24.5
CP-OFDM QPSK	836.5	167300	10	52	0	23.67	24.5
CP-OFDM 16QAM	836.5	167300	10	1	0	23.73	24.5
CP-OFDM 16QAM	836.5	167300	10	1	51	23.76	24.5
CP-OFDM 16QAM	836.5	167300	10	26	13	23.66	24.5
CP-OFDM 16QAM	836.5	167300	10	52	0	23.7	24.5
CP-OFDM 64QAM	844	168800	10	1	0	23.62	24.5
CP-OFDM 64QAM	844	168800	10	1	51	23.71	24.5
CP-OFDM 64QAM	844	168800	10	26	13	23.72	24.5
CP-OFDM 64QAM	844	168800	10	52	0	23.66	24.5
CP-OFDM 256QAM	844	168800	10	1	0	23.12	24.5
CP-OFDM 256QAM	844	168800	10	1	51	23.2	24.5
CP-OFDM 256QAM	844	168800	10	26	13	23.19	24.5
CP-OFDM 256QAM	844	168800	10	52	0	23.2	24.5
DFT-s-OFDM 16QAM	844	168800	10	1	0	23.7	24.5
DFT-s-OFDM 16QAM	844	168800	10	1	51	23.68	24.5
DFT-s-OFDM 16QAM	844	168800	10	25	12	23.66	24.5

DFT-s-OFDM 16QAM	844	168800	10	50	0	23.64	24.5
DFT-s-OFDM 64QAM	844	168800	10	1	0	23.64	24.5
DFT-s-OFDM 64QAM	844	168800	10	1	51	23.61	24.5
DFT-s-OFDM 64QAM	844	168800	10	25	12	23.68	24.5
DFT-s-OFDM 64QAM	844	168800	10	50	0	23.72	24.5
DFT-s-OFDM 256QAM	844	168800	10	1	0	23.53	24.5
DFT-s-OFDM 256QAM	844	168800	10	1	51	23.52	24.5
DFT-s-OFDM 256QAM	844	168800	10	25	12	23.64	24.5
DFT-s-OFDM 256QAM	844	168800	10	50	0	23.63	24.5
CP-OFDM QPSK	844	168800	10	1	0	23.66	24.5
CP-OFDM QPSK	844	168800	10	1	51	23.63	24.5
CP-OFDM QPSK	844	168800	10	26	13	23.66	24.5
CP-OFDM QPSK	844	168800	10	52	0	23.65	24.5
CP-OFDM 16QAM	844	168800	10	1	0	23.78	24.5
CP-OFDM 16QAM	844	168800	10	1	51	23.73	24.5
CP-OFDM 16QAM	844	168800	10	26	13	23.64	24.5
CP-OFDM 16QAM	844	168800	10	52	0	23.66	24.5
CP-OFDM 64QAM	844	168800	10	1	0	23.62	24.5
CP-OFDM 64QAM	844	168800	10	1	51	23.63	24.5
CP-OFDM 64QAM	844	168800	10	26	13	23.66	24.5
CP-OFDM 64QAM	844	168800	10	52	0	23.67	24.5

CP-OFDM 256QAM	844	168800	10	1	0	23.15	24.5
CP-OFDM 256QAM	844	168800	10	1	51	23.19	24.5
CP-OFDM 256QAM	844	168800	10	26	13	23.17	24.5
CP-OFDM 256QAM	844	168800	10	52	0	23.23	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	1	0	23.7	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	1	78	23.58	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	36	18	23.72	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	75	0	23.71	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	1	0	23.8	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	1	78	23.63	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	36	18	23.73	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	75	0	23.79	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	1	0	23.72	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	1	78	23.6	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	36	18	23.77	24.5
DFT-s-OFDM PI/2 BPSK	831.5	166300	15	75	0	23.7	24.5
DFT-s-OFDM QPSK	831.5	166300	15	1	0	23.69	24.5

DFT-s-OFDM QPSK	831.5	166300	15	1	78	23.71	24.5
DFT-s-OFDM QPSK	831.5	166300	15	36	18	23.76	24.5
DFT-s-OFDM QPSK	831.5	166300	15	75	0	23.76	24.5
DFT-s-OFDM QPSK	831.5	166300	15	1	0	23.65	24.5
DFT-s-OFDM QPSK	831.5	166300	15	1	78	23.71	24.5
DFT-s-OFDM QPSK	831.5	166300	15	36	18	23.74	24.5
DFT-s-OFDM QPSK	831.5	166300	15	75	0	23.79	24.5
DFT-s-OFDM QPSK	831.5	166300	15	1	0	23.68	24.5
DFT-s-OFDM QPSK	831.5	166300	15	1	78	23.68	24.5
DFT-s-OFDM QPSK	831.5	166300	15	36	18	23.78	24.5
DFT-s-OFDM QPSK	831.5	166300	15	75	0	23.75	24.5
DFT-s-OFDM 16QAM	831.5	166300	15	1	0	23.75	24.5
DFT-s-OFDM 16QAM	831.5	166300	15	1	78	23.77	24.5
DFT-s-OFDM 16QAM	831.5	166300	15	36	18	23.71	24.5
DFT-s-OFDM 16QAM	831.5	166300	15	75	0	23.77	24.5
DFT-s-OFDM 64QAM	831.5	166300	15	1	0	23.62	24.5
DFT-s-OFDM 64QAM	831.5	166300	15	1	78	23.62	24.5

DFT-s-OFDM 64QAM	831.5	166300	15	36	18	23.67	24.5
DFT-s-OFDM 64QAM	831.5	166300	15	75	0	23.73	24.5
DFT-s-OFDM 256QAM	831.5	166300	15	1	0	23.67	24.5
DFT-s-OFDM 256QAM	831.5	166300	15	1	78	23.66	24.5
DFT-s-OFDM 256QAM	831.5	166300	15	36	18	23.75	24.5
DFT-s-OFDM 256QAM	831.5	166300	15	75	0	23.7	24.5
CP-OFDM QPSK	836.5	167300	15	1	0	23.64	24.5
CP-OFDM QPSK	836.5	167300	15	1	78	23.74	24.5
CP-OFDM QPSK	836.5	167300	15	39	19	23.69	24.5
CP-OFDM QPSK	836.5	167300	15	79	0	23.7	24.5
CP-OFDM 16QAM	836.5	167300	15	1	0	23.76	24.5
CP-OFDM 16QAM	836.5	167300	15	1	78	23.79	24.5
CP-OFDM 16QAM	836.5	167300	15	39	19	23.76	24.5
CP-OFDM 16QAM	836.5	167300	15	79	0	23.71	24.5
CP-OFDM 64QAM	836.5	167300	15	1	0	23.63	24.5
CP-OFDM 64QAM	836.5	167300	15	1	78	23.72	24.5
CP-OFDM 64QAM	836.5	167300	15	39	19	23.77	24.5
CP-OFDM 64QAM	836.5	167300	15	79	0	23.73	24.5
CP-OFDM 256QAM	836.5	167300	15	1	0	23.21	24.5
CP-OFDM 256QAM	836.5	167300	15	1	78	23.15	24.5
CP-OFDM 256QAM	836.5	167300	15	39	19	23.22	24.5
CP-OFDM 256QAM	836.5	167300	15	79	0	23.24	24.5

DFT-s-OFDM 16QAM	836.5	167300	15	1	0	23.8	24.5
DFT-s-OFDM 16QAM	836.5	167300	15	1	78	23.84	24.5
DFT-s-OFDM 16QAM	836.5	167300	15	36	18	23.71	24.5
DFT-s-OFDM 16QAM	836.5	167300	15	75	0	23.76	24.5
DFT-s-OFDM 64QAM	836.5	167300	15	1	0	23.68	24.5
DFT-s-OFDM 64QAM	836.5	167300	15	1	78	23.63	24.5
DFT-s-OFDM 64QAM	836.5	167300	15	36	18	23.75	24.5
DFT-s-OFDM 64QAM	836.5	167300	15	75	0	23.78	24.5
DFT-s-OFDM 256QAM	836.5	167300	15	1	0	23.65	24.5
DFT-s-OFDM 256QAM	836.5	167300	15	1	78	23.63	24.5
DFT-s-OFDM 256QAM	836.5	167300	15	36	18	23.75	24.5
DFT-s-OFDM 256QAM	836.5	167300	15	75	0	23.74	24.5
CP-OFDM QPSK	836.5	167300	15	1	0	23.74	24.5
CP-OFDM QPSK	836.5	167300	15	1	78	23.73	24.5
CP-OFDM QPSK	836.5	167300	15	39	19	23.76	24.5
CP-OFDM QPSK	836.5	167300	15	79	0	23.77	24.5
CP-OFDM 16QAM	836.5	167300	15	1	0	23.86	24.5
CP-OFDM 16QAM	836.5	167300	15	1	78	23.85	24.5
CP-OFDM 16QAM	836.5	167300	15	39	19	23.76	24.5

CP-OFDM 16QAM	836.5	167300	15	79	0	23.72	24.5
CP-OFDM 64QAM	841.5	168300	15	1	0	23.66	24.5
CP-OFDM 64QAM	841.5	168300	15	1	78	23.74	24.5
CP-OFDM 64QAM	841.5	168300	15	39	19	23.8	24.5
CP-OFDM 64QAM	841.5	168300	15	79	0	23.77	24.5
CP-OFDM 256QAM	841.5	168300	15	1	0	23.16	24.5
CP-OFDM 256QAM	841.5	168300	15	1	78	23.21	24.5
CP-OFDM 256QAM	841.5	168300	15	39	19	23.29	24.5
CP-OFDM 256QAM	841.5	168300	15	79	0	23.29	24.5
DFT-s-OFDM 16QAM	841.5	168300	15	1	0	23.8	24.5
DFT-s-OFDM 16QAM	841.5	168300	15	1	78	23.77	24.5
DFT-s-OFDM 16QAM	841.5	168300	15	36	18	23.71	24.5
DFT-s-OFDM 16QAM	841.5	168300	15	75	0	23.69	24.5
DFT-s-OFDM 64QAM	841.5	168300	15	1	0	23.65	24.5
DFT-s-OFDM 64QAM	841.5	168300	15	1	78	23.69	24.5
DFT-s-OFDM 64QAM	841.5	168300	15	36	18	23.71	24.5
DFT-s-OFDM 64QAM	841.5	168300	15	75	0	23.71	24.5
DFT-s-OFDM 256QAM	841.5	168300	15	1	0	23.6	24.5
DFT-s-OFDM 256QAM	841.5	168300	15	1	78	23.63	24.5
DFT-s-OFDM 256QAM	841.5	168300	15	36	18	23.71	24.5

DFT-s-OFDM 256QAM	841.5	168300	15	75	0	23.77	24.5
CP-OFDM QPSK	841.5	168300	15	1	0	23.79	24.5
CP-OFDM QPSK	841.5	168300	15	1	78	23.71	24.5
CP-OFDM QPSK	841.5	168300	15	39	19	23.73	24.5
CP-OFDM QPSK	841.5	168300	15	79	0	23.72	24.5
CP-OFDM 16QAM	841.5	168300	15	1	0	23.87	24.5
CP-OFDM 16QAM	841.5	168300	15	1	78	23.77	24.5
CP-OFDM 16QAM	841.5	168300	15	39	19	23.72	24.5
CP-OFDM 16QAM	841.5	168300	15	79	0	23.7	24.5
CP-OFDM 64QAM	841.5	168300	15	1	0	23.74	24.5
CP-OFDM 64QAM	841.5	168300	15	1	78	23.63	24.5
CP-OFDM 64QAM	841.5	168300	15	39	19	23.77	24.5
CP-OFDM 64QAM	841.5	168300	15	79	0	23.75	24.5
CP-OFDM 256QAM	841.5	168300	15	1	0	23.15	24.5
CP-OFDM 256QAM	841.5	168300	15	1	78	23.17	24.5
CP-OFDM 256QAM	841.5	168300	15	39	19	23.25	24.5
CP-OFDM 256QAM	841.5	168300	15	79	0	23.26	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	834	166800	20	1	0	23.81	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	1	105	23.58	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	50	25	23.75	24.5

DFT-s-OFDM PI/2 BPSK	834	166800	20	100	0	23.76	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	1	0	23.71	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	1	105	23.56	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	50	25	23.74	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	100	0	23.76	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	1	0	23.75	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	1	105	23.61	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	50	25	23.72	24.5
DFT-s-OFDM PI/2 BPSK	834	166800	20	100	0	23.75	24.5
DFT-s-OFDM QPSK	834	166800	20	1	0	23.74	24.5
DFT-s-OFDM QPSK	834	166800	20	1	105	23.75	24.5
DFT-s-OFDM QPSK	834	166800	20	50	25	23.84	24.5
DFT-s-OFDM QPSK	834	166800	20	100	0	23.69	24.5
DFT-s-OFDM QPSK	834	166800	20	1	0	23.7	24.5
DFT-s-OFDM QPSK	834	166800	20	1	105	23.69	24.5
DFT-s-OFDM QPSK	834	166800	20	50	25	23.76	24.5
DFT-s-OFDM QPSK	834	166800	20	100	0	23.75	24.5

DFT-s-OFDM QPSK	834	166800	20	1	0	23.66	24.5
DFT-s-OFDM QPSK	834	166800	20	1	105	23.66	24.5
DFT-s-OFDM QPSK	834	166800	20	50	25	23.79	24.5
DFT-s-OFDM QPSK	834	166800	20	100	0	23.7	24.5
DFT-s-OFDM 16QAM	834	166800	20	1	0	23.71	24.5
DFT-s-OFDM 16QAM	834	166800	20	1	105	23.82	24.5
DFT-s-OFDM 16QAM	834	166800	20	50	25	23.68	24.5
DFT-s-OFDM 16QAM	834	166800	20	100	0	23.72	24.5
DFT-s-OFDM 64QAM	834	166800	20	1	0	23.66	24.5
DFT-s-OFDM 64QAM	834	166800	20	1	105	23.68	24.5
DFT-s-OFDM 64QAM	834	166800	20	50	25	23.81	24.5
DFT-s-OFDM 64QAM	834	166800	20	100	0	23.74	24.5
DFT-s-OFDM 256QAM	834	166800	20	1	0	23.59	24.5
DFT-s-OFDM 256QAM	834	166800	20	1	105	23.6	24.5
DFT-s-OFDM 256QAM	834	166800	20	50	25	23.75	24.5
DFT-s-OFDM 256QAM	834	166800	20	100	0	23.79	24.5
CP-OFDM QPSK	836.5	167300	20	1	0	23.73	24.5

CP-OFDM QPSK	836.5	167300	20	1	105	23.7	24.5
CP-OFDM QPSK	836.5	167300	20	53	26	23.75	24.5
CP-OFDM QPSK	836.5	167300	20	106	0	23.77	24.5
CP-OFDM 16QAM	836.5	167300	20	1	0	23.76	24.5
CP-OFDM 16QAM	836.5	167300	20	1	105	23.79	24.5
CP-OFDM 16QAM	836.5	167300	20	53	26	23.75	24.5
CP-OFDM 16QAM	836.5	167300	20	106	0	23.73	24.5
CP-OFDM 64QAM	836.5	167300	20	1	0	23.58	24.5
CP-OFDM 64QAM	836.5	167300	20	1	105	23.69	24.5
CP-OFDM 64QAM	836.5	167300	20	53	26	23.74	24.5
CP-OFDM 64QAM	836.5	167300	20	106	0	23.73	24.5
CP-OFDM 256QAM	836.5	167300	20	1	0	23.12	24.5
CP-OFDM 256QAM	836.5	167300	20	1	105	23.16	24.5
CP-OFDM 256QAM	836.5	167300	20	53	26	23.21	24.5
CP-OFDM 256QAM	836.5	167300	20	106	0	23.21	24.5
DFT-s-OFDM 16QAM	836.5	167300	20	1	0	23.81	24.5
DFT-s-OFDM 16QAM	836.5	167300	20	1	105	23.75	24.5
DFT-s-OFDM 16QAM	836.5	167300	20	50	25	23.71	24.5
DFT-s-OFDM 16QAM	836.5	167300	20	100	0	23.73	24.5
DFT-s-OFDM 64QAM	836.5	167300	20	1	0	23.64	24.5
DFT-s-OFDM 64QAM	836.5	167300	20	1	105	23.71	24.5
DFT-s-OFDM 64QAM	836.5	167300	20	50	25	23.78	24.5

DFT-s-OFDM 64QAM	836.5	167300	20	100	0	23.72	24.5
DFT-s-OFDM 256QAM	836.5	167300	20	1	0	23.59	24.5
DFT-s-OFDM 256QAM	836.5	167300	20	1	105	23.61	24.5
DFT-s-OFDM 256QAM	836.5	167300	20	50	25	23.76	24.5
DFT-s-OFDM 256QAM	836.5	167300	20	100	0	23.75	24.5
CP-OFDM QPSK	836.5	167300	20	1	0	23.7	24.5
CP-OFDM QPSK	836.5	167300	20	1	105	23.78	24.5
CP-OFDM QPSK	836.5	167300	20	53	26	23.76	24.5
CP-OFDM QPSK	836.5	167300	20	106	0	23.78	24.5
CP-OFDM 16QAM	836.5	167300	20	1	0	23.84	24.5
CP-OFDM 16QAM	836.5	167300	20	1	105	23.85	24.5
CP-OFDM 16QAM	836.5	167300	20	53	26	23.78	24.5
CP-OFDM 16QAM	836.5	167300	20	106	0	23.74	24.5
CP-OFDM 64QAM	839	167800	20	1	0	23.7	24.5
CP-OFDM 64QAM	839	167800	20	1	105	23.74	24.5
CP-OFDM 64QAM	839	167800	20	53	26	23.76	24.5
CP-OFDM 64QAM	839	167800	20	106	0	23.7	24.5
CP-OFDM 256QAM	839	167800	20	1	0	23.2	24.5
CP-OFDM 256QAM	839	167800	20	1	105	23.15	24.5
CP-OFDM 256QAM	839	167800	20	53	26	23.25	24.5
CP-OFDM 256QAM	839	167800	20	106	0	23.25	24.5
DFT-s-OFDM 16QAM	839	167800	20	1	0	23.82	24.5

DFT-s-OFDM 16QAM	839	167800	20	1	105	23.82	24.5
DFT-s-OFDM 16QAM	839	167800	20	50	25	23.71	24.5
DFT-s-OFDM 16QAM	839	167800	20	100	0	23.74	24.5
DFT-s-OFDM 64QAM	839	167800	20	1	0	23.65	24.5
DFT-s-OFDM 64QAM	839	167800	20	1	105	23.7	24.5
DFT-s-OFDM 64QAM	839	167800	20	50	25	23.79	24.5
DFT-s-OFDM 64QAM	839	167800	20	100	0	23.74	24.5
DFT-s-OFDM 256QAM	839	167800	20	1	0	23.57	24.5
DFT-s-OFDM 256QAM	839	167800	20	1	105	23.56	24.5
DFT-s-OFDM 256QAM	839	167800	20	50	25	23.72	24.5
DFT-s-OFDM 256QAM	839	167800	20	100	0	23.72	24.5
CP-OFDM QPSK	839	167800	20	1	0	23.76	24.5
CP-OFDM QPSK	839	167800	20	1	105	23.71	24.5
CP-OFDM QPSK	839	167800	20	53	26	23.76	24.5
CP-OFDM QPSK	839	167800	20	106	0	23.75	24.5
CP-OFDM 16QAM	839	167800	20	1	0	23.85	24.5
CP-OFDM 16QAM	839	167800	20	1	105	23.82	24.5
CP-OFDM 16QAM	839	167800	20	53	26	23.74	24.5
CP-OFDM 16QAM	839	167800	20	106	0	23.78	24.5
CP-OFDM 64QAM	839	167800	20	1	0	23.66	24.5

CP-OFDM 64QAM	839	167800	20	1	105	23.66	24.5
CP-OFDM 64QAM	839	167800	20	53	26	23.74	24.5
CP-OFDM 64QAM	839	167800	20	106	0	23.74	24.5
CP-OFDM 256QAM	839	167800	20	1	0	23.19	24.5
CP-OFDM 256QAM	839	167800	20	1	105	23.12	24.5
CP-OFDM 256QAM	839	167800	20	53	26	23.28	24.5
CP-OFDM 256QAM	839	167800	20	106	0	23.23	24.5

NR41 (DC_66A_n41A)

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	1	0	23.35	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	1	50	23.44	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	25	12	23.55	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	50	0	23.58	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	1	0	23.88	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	1	50	23.72	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	25	12	23.86	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	50	0	23.82	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	1	0	23.75	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	1	50	23.66	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	25	12	23.87	24.5
DFT-s-OFDM PI/2 BPSK	2506.02	501204	20	50	0	23.86	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	1	0	23.65	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	1	50	23.66	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	25	12	23.77	24.5

DFT-s-OFDM QPSK	2506.02	501204	20	50	0	23.73	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	1	0	23.77	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	1	50	23.68	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	25	12	23.85	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	50	0	23.83	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	1	0	23.93	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	1	50	23.89	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	25	12	23.96	24.5
DFT-s-OFDM QPSK	2506.02	501204	20	50	0	23.92	24.5
DFT-s-OFDM 16QAM	2506.02	501204	20	1	0	23.75	24.5
DFT-s-OFDM 16QAM	2506.02	501204	20	1	50	23.78	24.5
DFT-s-OFDM 16QAM	2506.02	501204	20	25	12	23.72	24.5
DFT-s-OFDM 16QAM	2506.02	501204	20	50	0	23.71	24.5
DFT-s-OFDM 64QAM	2506.02	501204	20	1	0	23.61	24.5
DFT-s-OFDM 64QAM	2506.02	501204	20	1	50	23.62	24.5
DFT-s-OFDM 64QAM	2506.02	501204	20	25	12	23.74	24.5
DFT-s-OFDM 64QAM	2506.02	501204	20	50	0	23.7	24.5

DFT-s-OFDM 256QAM	2506.02	501204	20	1	0	23.45	24.5
DFT-s-OFDM 256QAM	2506.02	501204	20	1	50	23.39	24.5
DFT-s-OFDM 256QAM	2506.02	501204	20	25	12	23.73	24.5
DFT-s-OFDM 256QAM	2506.02	501204	20	50	0	23.58	24.5
CP-OFDM QPSK	2592.99	518598	20	1	0	23.74	24.5
CP-OFDM QPSK	2592.99	518598	20	1	50	23.74	24.5
CP-OFDM QPSK	2592.99	518598	20	25	12	24.13	24.5
CP-OFDM QPSK	2592.99	518598	20	51	0	23.72	24.5
CP-OFDM 16QAM	2592.99	518598	20	1	0	23.79	24.5
CP-OFDM 16QAM	2592.99	518598	20	1	50	23.81	24.5
CP-OFDM 16QAM	2592.99	518598	20	25	12	23.77	24.5
CP-OFDM 16QAM	2592.99	518598	20	51	0	23.79	24.5
CP-OFDM 64QAM	2592.99	518598	20	1	0	23.64	24.5
CP-OFDM 64QAM	2592.99	518598	20	1	50	23.59	24.5
CP-OFDM 64QAM	2592.99	518598	20	25	12	23.77	24.5
CP-OFDM 64QAM	2592.99	518598	20	51	0	23.8	24.5
CP-OFDM 256QAM	2592.99	518598	20	1	0	22.88	24.5
CP-OFDM 256QAM	2592.99	518598	20	1	50	22.91	24.5
CP-OFDM 256QAM	2592.99	518598	20	25	12	23.03	24.5
CP-OFDM 256QAM	2592.99	518598	20	51	0	23.06	24.5
DFT-s-OFDM 16QAM	2592.99	518598	20	1	0	23.77	24.5
DFT-s-OFDM 16QAM	2592.99	518598	20	1	50	23.72	24.5

DFT-s-OFDM 16QAM	2592.99	518598	20	25	12	23.8	24.5
DFT-s-OFDM 16QAM	2592.99	518598	20	50	0	23.85	24.5
DFT-s-OFDM 64QAM	2592.99	518598	20	1	0	23.87	24.5
DFT-s-OFDM 64QAM	2592.99	518598	20	1	50	23.76	24.5
DFT-s-OFDM 64QAM	2592.99	518598	20	25	12	23.83	24.5
DFT-s-OFDM 64QAM	2592.99	518598	20	50	0	23.84	24.5
DFT-s-OFDM 256QAM	2592.99	518598	20	1	0	23.48	24.5
DFT-s-OFDM 256QAM	2592.99	518598	20	1	50	23.44	24.5
DFT-s-OFDM 256QAM	2592.99	518598	20	25	12	23.65	24.5
DFT-s-OFDM 256QAM	2592.99	518598	20	50	0	23.65	24.5
CP-OFDM QPSK	2592.99	518598	20	1	0	23.84	24.5
CP-OFDM QPSK	2592.99	518598	20	1	50	23.81	24.5
CP-OFDM QPSK	2592.99	518598	20	25	12	23.81	24.5
CP-OFDM QPSK	2592.99	518598	20	51	0	23.84	24.5
CP-OFDM 16QAM	2592.99	518598	20	1	0	23.86	24.5
CP-OFDM 16QAM	2592.99	518598	20	1	50	23.71	24.5
CP-OFDM 16QAM	2592.99	518598	20	25	12	23.85	24.5
CP-OFDM 16QAM	2592.99	518598	20	51	0	23.87	24.5
CP-OFDM 64QAM	2679.99	535998	20	1	0	23.71	24.5
CP-OFDM 64QAM	2679.99	535998	20	1	50	23.64	24.5

CP-OFDM 64QAM	2679.99	535998	20	25	12	23.86	24.5
CP-OFDM 64QAM	2679.99	535998	20	51	0	23.85	24.5
CP-OFDM 256QAM	2679.99	535998	20	1	0	22.89	24.5
CP-OFDM 256QAM	2679.99	535998	20	1	50	22.88	24.5
CP-OFDM 256QAM	2679.99	535998	20	25	12	23.1	24.5
CP-OFDM 256QAM	2679.99	535998	20	51	0	23.1	24.5
DFT-s-OFDM 16QAM	2679.99	535998	20	1	0	23.92	24.5
DFT-s-OFDM 16QAM	2679.99	535998	20	1	50	24	24.5
DFT-s-OFDM 16QAM	2679.99	535998	20	25	12	23.94	24.5
DFT-s-OFDM 16QAM	2679.99	535998	20	50	0	23.91	24.5
DFT-s-OFDM 64QAM	2679.99	535998	20	1	0	23.85	24.5
DFT-s-OFDM 64QAM	2679.99	535998	20	1	50	23.81	24.5
DFT-s-OFDM 64QAM	2679.99	535998	20	25	12	23.97	24.5
DFT-s-OFDM 64QAM	2679.99	535998	20	50	0	24.02	24.5
DFT-s-OFDM 256QAM	2679.99	535998	20	1	0	23.64	24.5
DFT-s-OFDM 256QAM	2679.99	535998	20	1	50	23.63	24.5
DFT-s-OFDM 256QAM	2679.99	535998	20	25	12	23.8	24.5
DFT-s-OFDM 256QAM	2679.99	535998	20	50	0	23.84	24.5
CP-OFDM QPSK	2679.99	535998	20	1	0	23.96	24.5

CP-OFDM QPSK	2679.99	535998	20	1	50	23.97	24.5
CP-OFDM QPSK	2679.99	535998	20	25	12	23.98	24.5
CP-OFDM QPSK	2679.99	535998	20	51	0	23.92	24.5
CP-OFDM 16QAM	2679.99	535998	20	1	0	23.99	24.5
CP-OFDM 16QAM	2679.99	535998	20	1	50	24.03	24.5
CP-OFDM 16QAM	2679.99	535998	20	25	12	24.03	24.5
CP-OFDM 16QAM	2679.99	535998	20	51	0	23.91	24.5
CP-OFDM 64QAM	2679.99	535998	20	1	0	23.86	24.5
CP-OFDM 64QAM	2679.99	535998	20	1	50	23.84	24.5
CP-OFDM 64QAM	2679.99	535998	20	25	12	24.05	24.5
CP-OFDM 64QAM	2679.99	535998	20	51	0	23.99	24.5
CP-OFDM 256QAM	2679.99	535998	20	1	0	23.1	24.5
CP-OFDM 256QAM	2679.99	535998	20	1	50	23.15	24.5
CP-OFDM 256QAM	2679.99	535998	20	25	12	23.32	24.5
CP-OFDM 256QAM	2679.99	535998	20	51	0	23.32	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	2511	502200	30	1	0	23.63	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	1	77	23.51	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	36	18	23.63	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	75	0	23.67	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	1	0	23.68	24.5

DFT-s-OFDM PI/2 BPSK	2511	502200	30	1	77	23.48	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	36	18	23.65	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	75	0	23.68	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	1	0	23.8	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	1	77	23.69	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	36	18	23.76	24.5
DFT-s-OFDM PI/2 BPSK	2511	502200	30	75	0	23.81	24.5
DFT-s-OFDM QPSK	2511	502200	30	1	0	23.74	24.5
DFT-s-OFDM QPSK	2511	502200	30	1	77	23.65	24.5
DFT-s-OFDM QPSK	2511	502200	30	36	18	23.83	24.5
DFT-s-OFDM QPSK	2511	502200	30	75	0	23.77	24.5
DFT-s-OFDM QPSK	2511	502200	30	1	0	23.79	24.5
DFT-s-OFDM QPSK	2511	502200	30	1	77	23.79	24.5
DFT-s-OFDM QPSK	2511	502200	30	36	18	23.91	24.5
DFT-s-OFDM QPSK	2511	502200	30	75	0	23.89	24.5
DFT-s-OFDM QPSK	2511	502200	30	1	0	23.9	24.5
DFT-s-OFDM QPSK	2511	502200	30	1	77	23.89	24.5

DFT-s-OFDM QPSK	2511	502200	30	36	18	23.98	24.5
DFT-s-OFDM QPSK	2511	502200	30	75	0	23.95	24.5
DFT-s-OFDM 16QAM	2511	502200	30	1	0	23.83	24.5
DFT-s-OFDM 16QAM	2511	502200	30	1	77	23.86	24.5
DFT-s-OFDM 16QAM	2511	502200	30	36	18	23.68	24.5
DFT-s-OFDM 16QAM	2511	502200	30	75	0	23.76	24.5
DFT-s-OFDM 64QAM	2511	502200	30	1	0	23.62	24.5
DFT-s-OFDM 64QAM	2511	502200	30	1	77	23.7	24.5
DFT-s-OFDM 64QAM	2511	502200	30	36	18	23.75	24.5
DFT-s-OFDM 64QAM	2511	502200	30	75	0	23.85	24.5
DFT-s-OFDM 256QAM	2511	502200	30	1	0	23.52	24.5
DFT-s-OFDM 256QAM	2511	502200	30	1	77	23.49	24.5
DFT-s-OFDM 256QAM	2511	502200	30	36	18	23.59	24.5
DFT-s-OFDM 256QAM	2511	502200	30	75	0	23.59	24.5
CP-OFDM QPSK	2592.99	518598	30	1	0	23.73	24.5
CP-OFDM QPSK	2592.99	518598	30	1	77	23.8	24.5
CP-OFDM QPSK	2592.99	518598	30	39	19	23.79	24.5
CP-OFDM QPSK	2592.99	518598	30	78	0	23.79	24.5

CP-OFDM 16QAM	2592.99	518598	30	1	0	23.88	24.5
CP-OFDM 16QAM	2592.99	518598	30	1	77	23.89	24.5
CP-OFDM 16QAM	2592.99	518598	30	39	19	23.49	24.5
CP-OFDM 16QAM	2592.99	518598	30	78	0	23.78	24.5
CP-OFDM 64QAM	2592.99	518598	30	1	0	23.68	24.5
CP-OFDM 64QAM	2592.99	518598	30	1	77	23.78	24.5
CP-OFDM 64QAM	2592.99	518598	30	39	19	23.82	24.5
CP-OFDM 64QAM	2592.99	518598	30	78	0	23.83	24.5
CP-OFDM 256QAM	2592.99	518598	30	1	0	22.95	24.5
CP-OFDM 256QAM	2592.99	518598	30	1	77	23.04	24.5
CP-OFDM 256QAM	2592.99	518598	30	39	19	23.07	24.5
CP-OFDM 256QAM	2592.99	518598	30	78	0	23.08	24.5
DFT-s-OFDM 16QAM	2592.99	518598	30	1	0	23.79	24.5
DFT-s-OFDM 16QAM	2592.99	518598	30	1	77	23.9	24.5
DFT-s-OFDM 16QAM	2592.99	518598	30	36	18	23.77	24.5
DFT-s-OFDM 16QAM	2592.99	518598	30	75	0	23.85	24.5
DFT-s-OFDM 64QAM	2592.99	518598	30	1	0	23.74	24.5
DFT-s-OFDM 64QAM	2592.99	518598	30	1	77	23.73	24.5
DFT-s-OFDM 64QAM	2592.99	518598	30	36	18	23.81	24.5
DFT-s-OFDM 64QAM	2592.99	518598	30	75	0	23.83	24.5
DFT-s-OFDM 256QAM	2592.99	518598	30	1	0	23.55	24.5

DFT-s-OFDM 256QAM	2592.99	518598	30	1	77	23.49	24.5
DFT-s-OFDM 256QAM	2592.99	518598	30	36	18	23.77	24.5
DFT-s-OFDM 256QAM	2592.99	518598	30	75	0	23.64	24.5
CP-OFDM QPSK	2592.99	518598	30	1	0	23.87	24.5
CP-OFDM QPSK	2592.99	518598	30	1	77	23.85	24.5
CP-OFDM QPSK	2592.99	518598	30	39	19	23.84	24.5
CP-OFDM QPSK	2592.99	518598	30	78	0	23.85	24.5
CP-OFDM 16QAM	2592.99	518598	30	1	0	23.91	24.5
CP-OFDM 16QAM	2592.99	518598	30	1	77	23.99	24.5
CP-OFDM 16QAM	2592.99	518598	30	39	19	23.88	24.5
CP-OFDM 16QAM	2592.99	518598	30	78	0	23.92	24.5
CP-OFDM 64QAM	2674.98	534996	30	1	0	23.73	24.5
CP-OFDM 64QAM	2674.98	534996	30	1	77	23.74	24.5
CP-OFDM 64QAM	2674.98	534996	30	39	19	23.9	24.5
CP-OFDM 64QAM	2674.98	534996	30	78	0	23.91	24.5
CP-OFDM 256QAM	2674.98	534996	30	1	0	22.95	24.5
CP-OFDM 256QAM	2674.98	534996	30	1	77	23.02	24.5
CP-OFDM 256QAM	2674.98	534996	30	39	19	23.09	24.5
CP-OFDM 256QAM	2674.98	534996	30	78	0	23.08	24.5
DFT-s-OFDM 16QAM	2674.98	534996	30	1	0	23.9	24.5
DFT-s-OFDM 16QAM	2674.98	534996	30	1	77	23.94	24.5
DFT-s-OFDM 16QAM	2674.98	534996	30	36	18	23.88	24.5

DFT-s-OFDM 16QAM	2674.98	534996	30	75	0	23.88	24.5
DFT-s-OFDM 64QAM	2674.98	534996	30	1	0	23.85	24.5
DFT-s-OFDM 64QAM	2674.98	534996	30	1	77	23.8	24.5
DFT-s-OFDM 64QAM	2674.98	534996	30	36	18	23.94	24.5
DFT-s-OFDM 64QAM	2674.98	534996	30	75	0	23.97	24.5
DFT-s-OFDM 256QAM	2674.98	534996	30	1	0	23.68	24.5
DFT-s-OFDM 256QAM	2674.98	534996	30	1	77	23.69	24.5
DFT-s-OFDM 256QAM	2674.98	534996	30	36	18	23.76	24.5
DFT-s-OFDM 256QAM	2674.98	534996	30	75	0	23.68	24.5
CP-OFDM QPSK	2674.98	534996	30	1	0	23.91	24.5
CP-OFDM QPSK	2674.98	534996	30	1	77	24.03	24.5
CP-OFDM QPSK	2674.98	534996	30	39	19	23.96	24.5
CP-OFDM QPSK	2674.98	534996	30	78	0	23.96	24.5
CP-OFDM 16QAM	2674.98	534996	30	1	0	23.97	24.5
CP-OFDM 16QAM	2674.98	534996	30	1	77	24.04	24.5
CP-OFDM 16QAM	2674.98	534996	30	39	19	23.97	24.5
CP-OFDM 16QAM	2674.98	534996	30	78	0	23.97	24.5
CP-OFDM 64QAM	2674.98	534996	30	1	0	23.81	24.5
CP-OFDM 64QAM	2674.98	534996	30	1	77	23.82	24.5
CP-OFDM 64QAM	2674.98	534996	30	39	19	24.02	24.5
CP-OFDM 64QAM	2674.98	534996	30	78	0	23.92	24.5

CP-OFDM 256QAM	2674.98	534996	30	1	0	23.13	24.5
CP-OFDM 256QAM	2674.98	534996	30	1	77	23.19	24.5
CP-OFDM 256QAM	2674.98	534996	30	39	19	23.25	24.5
CP-OFDM 256QAM	2674.98	534996	30	78	0	23.3	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	1	0	23.61	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	1	105	23.42	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	50	25	23.6	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	100	0	23.66	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	1	0	23.74	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	1	105	23.49	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	50	25	23.7	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	100	0	23.69	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	1	0	23.76	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	1	105	23.57	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	50	25	23.76	24.5
DFT-s-OFDM PI/2 BPSK	2516.01	503202	40	100	0	23.84	24.5

DFT-s-OFDM QPSK	2516.01	503202	40	1	0	23.67	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	1	105	23.7	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	50	25	23.8	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	100	0	23.77	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	1	0	23.77	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	1	105	23.78	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	50	25	23.92	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	100	0	23.9	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	1	0	23.86	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	1	105	23.86	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	50	25	24.01	24.5
DFT-s-OFDM QPSK	2516.01	503202	40	100	0	23.95	24.5
DFT-s-OFDM 16QAM	2516.01	503202	40	1	0	23.77	24.5
DFT-s-OFDM 16QAM	2516.01	503202	40	1	105	23.69	24.5
DFT-s-OFDM 16QAM	2516.01	503202	40	50	25	23.74	24.5
DFT-s-OFDM 16QAM	2516.01	503202	40	100	0	23.73	24.5
DFT-s-OFDM 64QAM	2516.01	503202	40	1	0	23.64	24.5

DFT-s-OFDM 64QAM	2516.01	503202	40	1	105	23.58	24.5
DFT-s-OFDM 64QAM	2516.01	503202	40	50	25	23.79	24.5
DFT-s-OFDM 64QAM	2516.01	503202	40	100	0	23.79	24.5
DFT-s-OFDM 256QAM	2516.01	503202	40	1	0	23.44	24.5
DFT-s-OFDM 256QAM	2516.01	503202	40	1	105	23.45	24.5
DFT-s-OFDM 256QAM	2516.01	503202	40	50	25	23.62	24.5
DFT-s-OFDM 256QAM	2516.01	503202	40	100	0	23.6	24.5
CP-OFDM QPSK	2592.99	518598	40	1	0	23.8	24.5
CP-OFDM QPSK	2592.99	518598	40	1	105	23.76	24.5
CP-OFDM QPSK	2592.99	518598	40	53	26	23.63	24.5
CP-OFDM QPSK	2592.99	518598	40	106	0	23.82	24.5
CP-OFDM 16QAM	2592.99	518598	40	1	0	23.77	24.5
CP-OFDM 16QAM	2592.99	518598	40	1	105	23.89	24.5
CP-OFDM 16QAM	2592.99	518598	40	53	26	23.83	24.5
CP-OFDM 16QAM	2592.99	518598	40	106	0	23.74	24.5
CP-OFDM 64QAM	2592.99	518598	40	1	0	23.65	24.5
CP-OFDM 64QAM	2592.99	518598	40	1	105	23.72	24.5
CP-OFDM 64QAM	2592.99	518598	40	53	26	23.82	24.5
CP-OFDM 64QAM	2592.99	518598	40	106	0	23.82	24.5
CP-OFDM 256QAM	2592.99	518598	40	1	0	22.95	24.5
CP-OFDM 256QAM	2592.99	518598	40	1	105	22.95	24.5
CP-OFDM 256QAM	2592.99	518598	40	53	26	23.12	24.5

CP-OFDM 256QAM	2592.99	518598	40	106	0	23.18	24.5
DFT-s-OFDM 16QAM	2592.99	518598	40	1	0	23.78	24.5
DFT-s-OFDM 16QAM	2592.99	518598	40	1	105	23.78	24.5
DFT-s-OFDM 16QAM	2592.99	518598	40	50	25	23.76	24.5
DFT-s-OFDM 16QAM	2592.99	518598	40	100	0	23.78	24.5
DFT-s-OFDM 64QAM	2592.99	518598	40	1	0	23.68	24.5
DFT-s-OFDM 64QAM	2592.99	518598	40	1	105	23.75	24.5
DFT-s-OFDM 64QAM	2592.99	518598	40	50	25	23.87	24.5
DFT-s-OFDM 64QAM	2592.99	518598	40	100	0	23.9	24.5
DFT-s-OFDM 256QAM	2592.99	518598	40	1	0	23.53	24.5
DFT-s-OFDM 256QAM	2592.99	518598	40	1	105	23.55	24.5
DFT-s-OFDM 256QAM	2592.99	518598	40	50	25	23.64	24.5
DFT-s-OFDM 256QAM	2592.99	518598	40	100	0	23.7	24.5
CP-OFDM QPSK	2592.99	518598	40	1	0	23.82	24.5
CP-OFDM QPSK	2592.99	518598	40	1	105	23.88	24.5
CP-OFDM QPSK	2592.99	518598	40	53	26	23.92	24.5
CP-OFDM QPSK	2592.99	518598	40	106	0	23.88	24.5
CP-OFDM 16QAM	2592.99	518598	40	1	0	23.81	24.5
CP-OFDM 16QAM	2592.99	518598	40	1	105	23.86	24.5

CP-OFDM 16QAM	2592.99	518598	40	53	26	23.83	24.5
CP-OFDM 16QAM	2592.99	518598	40	106	0	23.82	24.5
CP-OFDM 64QAM	2670	534000	40	1	0	23.65	24.5
CP-OFDM 64QAM	2670	534000	40	1	105	23.75	24.5
CP-OFDM 64QAM	2670	534000	40	53	26	23.91	24.5
CP-OFDM 64QAM	2670	534000	40	106	0	23.87	24.5
CP-OFDM 256QAM	2670	534000	40	1	0	22.92	24.5
CP-OFDM 256QAM	2670	534000	40	1	105	23.02	24.5
CP-OFDM 256QAM	2670	534000	40	53	26	23.1	24.5
CP-OFDM 256QAM	2670	534000	40	106	0	23.14	24.5
DFT-s-OFDM 16QAM	2670	534000	40	1	0	23.95	24.5
DFT-s-OFDM 16QAM	2670	534000	40	1	105	23.9	24.5
DFT-s-OFDM 16QAM	2670	534000	40	50	25	23.91	24.5
DFT-s-OFDM 16QAM	2670	534000	40	100	0	23.94	24.5
DFT-s-OFDM 64QAM	2670	534000	40	1	0	23.84	24.5
DFT-s-OFDM 64QAM	2670	534000	40	1	105	23.73	24.5
DFT-s-OFDM 64QAM	2670	534000	40	50	25	23.96	24.5
DFT-s-OFDM 64QAM	2670	534000	40	100	0	23.96	24.5
DFT-s-OFDM 256QAM	2670	534000	40	1	0	23.63	24.5
DFT-s-OFDM 256QAM	2670	534000	40	1	105	23.58	24.5

DFT-s-OFDM 256QAM	2670	534000	40	50	25	23.78	24.5
DFT-s-OFDM 256QAM	2670	534000	40	100	0	23.79	24.5
CP-OFDM QPSK	2670	534000	40	1	0	23.91	24.5
CP-OFDM QPSK	2670	534000	40	1	105	23.94	24.5
CP-OFDM QPSK	2670	534000	40	53	26	23.93	24.5
CP-OFDM QPSK	2670	534000	40	106	0	23.99	24.5
CP-OFDM 16QAM	2670	534000	40	1	0	23.96	24.5
CP-OFDM 16QAM	2670	534000	40	1	105	23.98	24.5
CP-OFDM 16QAM	2670	534000	40	53	26	23.95	24.5
CP-OFDM 16QAM	2670	534000	40	106	0	23.86	24.5
CP-OFDM 64QAM	2670	534000	40	1	0	23.79	24.5
CP-OFDM 64QAM	2670	534000	40	1	105	23.88	24.5
CP-OFDM 64QAM	2670	534000	40	53	26	23.94	24.5
CP-OFDM 64QAM	2670	534000	40	106	0	23.9	24.5
CP-OFDM 256QAM	2670	534000	40	1	0	23.09	24.5
CP-OFDM 256QAM	2670	534000	40	1	105	23.08	24.5
CP-OFDM 256QAM	2670	534000	40	53	26	23.27	24.5
CP-OFDM 256QAM	2670	534000	40	106	0	23.29	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	1	0	23.68	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	1	132	23.6	24.5

DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	64	32	23.7	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	128	0	23.71	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	1	0	23.75	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	1	132	23.55	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	64	32	23.71	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	128	0	23.72	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	1	0	23.82	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	1	132	23.67	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	64	32	23.83	24.5
DFT-s-OFDM PI/2 BPSK	2521.02	504204	50	128	0	23.87	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	1	0	23.75	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	1	132	23.83	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	64	32	23.93	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	128	0	23.85	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	1	0	23.84	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	1	132	23.87	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	64	32	23.94	24.5

DFT-s-OFDM QPSK	2521.02	504204	50	128	0	23.91	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	1	0	23.92	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	1	132	23.99	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	64	32	24.07	24.5
DFT-s-OFDM QPSK	2521.02	504204	50	128	0	24.02	24.5
DFT-s-OFDM 16QAM	2521.02	504204	50	1	0	23.75	24.5
DFT-s-OFDM 16QAM	2521.02	504204	50	1	132	23.86	24.5
DFT-s-OFDM 16QAM	2521.02	504204	50	64	32	23.82	24.5
DFT-s-OFDM 16QAM	2521.02	504204	50	128	0	23.81	24.5
DFT-s-OFDM 64QAM	2521.02	504204	50	1	0	23.68	24.5
DFT-s-OFDM 64QAM	2521.02	504204	50	1	132	23.74	24.5
DFT-s-OFDM 64QAM	2521.02	504204	50	64	32	23.85	24.5
DFT-s-OFDM 64QAM	2521.02	504204	50	128	0	23.81	24.5
DFT-s-OFDM 256QAM	2521.02	504204	50	1	0	23.55	24.5
DFT-s-OFDM 256QAM	2521.02	504204	50	1	132	23.58	24.5
DFT-s-OFDM 256QAM	2521.02	504204	50	64	32	23.69	24.5
DFT-s-OFDM 256QAM	2521.02	504204	50	128	0	23.68	24.5

CP-OFDM QPSK	2592.99	518598	50	1	0	23.81	24.5
CP-OFDM QPSK	2592.99	518598	50	1	132	23.92	24.5
CP-OFDM QPSK	2592.99	518598	50	67	33	23.87	24.5
CP-OFDM QPSK	2592.99	518598	50	133	0	23.86	24.5
CP-OFDM 16QAM	2592.99	518598	50	1	0	23.81	24.5
CP-OFDM 16QAM	2592.99	518598	50	1	132	23.88	24.5
CP-OFDM 16QAM	2592.99	518598	50	67	33	23.88	24.5
CP-OFDM 16QAM	2592.99	518598	50	133	0	23.82	24.5
CP-OFDM 64QAM	2592.99	518598	50	1	0	23.69	24.5
CP-OFDM 64QAM	2592.99	518598	50	1	132	23.74	24.5
CP-OFDM 64QAM	2592.99	518598	50	67	33	23.88	24.5
CP-OFDM 64QAM	2592.99	518598	50	133	0	23.85	24.5
CP-OFDM 256QAM	2592.99	518598	50	1	0	23	24.5
CP-OFDM 256QAM	2592.99	518598	50	1	132	23.01	24.5
CP-OFDM 256QAM	2592.99	518598	50	67	33	23.15	24.5
CP-OFDM 256QAM	2592.99	518598	50	133	0	23.14	24.5
DFT-s-OFDM 16QAM	2592.99	518598	50	1	0	23.83	24.5
DFT-s-OFDM 16QAM	2592.99	518598	50	1	132	23.87	24.5
DFT-s-OFDM 16QAM	2592.99	518598	50	64	32	23.85	24.5
DFT-s-OFDM 16QAM	2592.99	518598	50	128	0	23.86	24.5
DFT-s-OFDM 64QAM	2592.99	518598	50	1	0	23.79	24.5
DFT-s-OFDM 64QAM	2592.99	518598	50	1	132	23.74	24.5

DFT-s-OFDM 64QAM	2592.99	518598	50	64	32	23.84	24.5
DFT-s-OFDM 64QAM	2592.99	518598	50	128	0	23.85	24.5
DFT-s-OFDM 256QAM	2592.99	518598	50	1	0	23.55	24.5
DFT-s-OFDM 256QAM	2592.99	518598	50	1	132	23.57	24.5
DFT-s-OFDM 256QAM	2592.99	518598	50	64	32	23.76	24.5
DFT-s-OFDM 256QAM	2592.99	518598	50	128	0	23.71	24.5
CP-OFDM QPSK	2592.99	518598	50	1	0	23.92	24.5
CP-OFDM QPSK	2592.99	518598	50	1	132	23.9	24.5
CP-OFDM QPSK	2592.99	518598	50	67	33	23.93	24.5
CP-OFDM QPSK	2592.99	518598	50	133	0	23.87	24.5
CP-OFDM 16QAM	2592.99	518598	50	1	0	23.89	24.5
CP-OFDM 16QAM	2592.99	518598	50	1	132	24.01	24.5
CP-OFDM 16QAM	2592.99	518598	50	67	33	23.85	24.5
CP-OFDM 16QAM	2592.99	518598	50	133	0	23.86	24.5
CP-OFDM 64QAM	2664.99	532998	50	1	0	23.8	24.5
CP-OFDM 64QAM	2664.99	532998	50	1	132	23.74	24.5
CP-OFDM 64QAM	2664.99	532998	50	67	33	23.94	24.5
CP-OFDM 64QAM	2664.99	532998	50	133	0	23.89	24.5
CP-OFDM 256QAM	2664.99	532998	50	1	0	22.99	24.5
CP-OFDM 256QAM	2664.99	532998	50	1	132	22.99	24.5
CP-OFDM 256QAM	2664.99	532998	50	67	33	23.17	24.5
CP-OFDM 256QAM	2664.99	532998	50	133	0	23.13	24.5

DFT-s-OFDM 16QAM	2664.99	532998	50	1	0	24.06	24.5
DFT-s-OFDM 16QAM	2664.99	532998	50	1	132	24.02	24.5
DFT-s-OFDM 16QAM	2664.99	532998	50	64	32	24	24.5
DFT-s-OFDM 16QAM	2664.99	532998	50	128	0	23.97	24.5
DFT-s-OFDM 64QAM	2664.99	532998	50	1	0	23.89	24.5
DFT-s-OFDM 64QAM	2664.99	532998	50	1	132	23.92	24.5
DFT-s-OFDM 64QAM	2664.99	532998	50	64	32	23.95	24.5
DFT-s-OFDM 64QAM	2664.99	532998	50	128	0	24	24.5
DFT-s-OFDM 256QAM	2664.99	532998	50	1	0	23.67	24.5
DFT-s-OFDM 256QAM	2664.99	532998	50	1	132	23.63	24.5
DFT-s-OFDM 256QAM	2664.99	532998	50	64	32	23.83	24.5
DFT-s-OFDM 256QAM	2664.99	532998	50	128	0	23.86	24.5
CP-OFDM QPSK	2664.99	532998	50	1	0	23.99	24.5
CP-OFDM QPSK	2664.99	532998	50	1	132	24.01	24.5
CP-OFDM QPSK	2664.99	532998	50	67	33	23.98	24.5
CP-OFDM QPSK	2664.99	532998	50	133	0	24.01	24.5
CP-OFDM 16QAM	2664.99	532998	50	1	0	24.07	24.5
CP-OFDM 16QAM	2664.99	532998	50	1	132	24	24.5
CP-OFDM 16QAM	2664.99	532998	50	67	33	24.12	24.5

CP-OFDM 16QAM	2664.99	532998	50	133	0	24.01	24.5
CP-OFDM 64QAM	2664.99	532998	50	1	0	23.88	24.5
CP-OFDM 64QAM	2664.99	532998	50	1	132	23.93	24.5
CP-OFDM 64QAM	2664.99	532998	50	67	33	24.06	24.5
CP-OFDM 64QAM	2664.99	532998	50	133	0	24.04	24.5
CP-OFDM 256QAM	2664.99	532998	50	1	0	23.21	24.5
CP-OFDM 256QAM	2664.99	532998	50	1	132	23.17	24.5
CP-OFDM 256QAM	2664.99	532998	50	67	33	23.29	24.5
CP-OFDM 256QAM	2664.99	532998	50	133	0	23.32	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	2526	505200	60	1	0	23.65	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	1	161	23.43	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	81	40	23.63	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	162	0	23.69	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	1	0	23.62	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	1	161	23.49	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	81	40	23.64	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	162	0	23.63	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	1	0	23.81	24.5

DFT-s-OFDM PI/2 BPSK	2526	505200	60	1	161	23.6	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	81	40	23.78	24.5
DFT-s-OFDM PI/2 BPSK	2526	505200	60	162	0	23.81	24.5
DFT-s-OFDM QPSK	2526	505200	60	1	0	23.71	24.5
DFT-s-OFDM QPSK	2526	505200	60	1	161	23.69	24.5
DFT-s-OFDM QPSK	2526	505200	60	81	40	23.76	24.5
DFT-s-OFDM QPSK	2526	505200	60	162	0	23.71	24.5
DFT-s-OFDM QPSK	2526	505200	60	1	0	23.7	24.5
DFT-s-OFDM QPSK	2526	505200	60	1	161	23.76	24.5
DFT-s-OFDM QPSK	2526	505200	60	81	40	23.71	24.5
DFT-s-OFDM QPSK	2526	505200	60	162	0	23.77	24.5
DFT-s-OFDM QPSK	2526	505200	60	1	0	23.91	24.5
DFT-s-OFDM QPSK	2526	505200	60	1	161	23.81	24.5
DFT-s-OFDM QPSK	2526	505200	60	81	40	23.87	24.5
DFT-s-OFDM QPSK	2526	505200	60	162	0	23.89	24.5
DFT-s-OFDM 16QAM	2526	505200	60	1	0	23.67	24.5
DFT-s-OFDM 16QAM	2526	505200	60	1	161	23.72	24.5

DFT-s-OFDM 16QAM	2526	505200	60	81	40	23.74	24.5
DFT-s-OFDM 16QAM	2526	505200	60	162	0	23.77	24.5
DFT-s-OFDM 64QAM	2526	505200	60	1	0	23.59	24.5
DFT-s-OFDM 64QAM	2526	505200	60	1	161	23.58	24.5
DFT-s-OFDM 64QAM	2526	505200	60	81	40	23.74	24.5
DFT-s-OFDM 64QAM	2526	505200	60	162	0	23.75	24.5
DFT-s-OFDM 256QAM	2526	505200	60	1	0	23.38	24.5
DFT-s-OFDM 256QAM	2526	505200	60	1	161	23.41	24.5
DFT-s-OFDM 256QAM	2526	505200	60	81	40	23.6	24.5
DFT-s-OFDM 256QAM	2526	505200	60	162	0	23.66	24.5
CP-OFDM QPSK	2592.99	518598	60	1	0	23.77	24.5
CP-OFDM QPSK	2592.99	518598	60	1	161	23.74	24.5
CP-OFDM QPSK	2592.99	518598	60	81	40	23.79	24.5
CP-OFDM QPSK	2592.99	518598	60	162	0	23.69	24.5
CP-OFDM 16QAM	2592.99	518598	60	1	0	23.83	24.5
CP-OFDM 16QAM	2592.99	518598	60	1	161	23.77	24.5
CP-OFDM 16QAM	2592.99	518598	60	81	40	23.75	24.5
CP-OFDM 16QAM	2592.99	518598	60	162	0	23.72	24.5
CP-OFDM 64QAM	2592.99	518598	60	1	0	23.63	24.5
CP-OFDM 64QAM	2592.99	518598	60	1	161	23.64	24.5

CP-OFDM 64QAM	2592.99	518598	60	81	40	23.72	24.5
CP-OFDM 64QAM	2592.99	518598	60	162	0	23.74	24.5
CP-OFDM 256QAM	2592.99	518598	60	1	0	22.97	24.5
CP-OFDM 256QAM	2592.99	518598	60	1	161	22.98	24.5
CP-OFDM 256QAM	2592.99	518598	60	81	40	23.06	24.5
CP-OFDM 256QAM	2592.99	518598	60	162	0	23.04	24.5
DFT-s-OFDM 16QAM	2592.99	518598	60	1	0	23.85	24.5
DFT-s-OFDM 16QAM	2592.99	518598	60	1	161	23.82	24.5
DFT-s-OFDM 16QAM	2592.99	518598	60	81	40	23.79	24.5
DFT-s-OFDM 16QAM	2592.99	518598	60	162	0	23.81	24.5
DFT-s-OFDM 64QAM	2592.99	518598	60	1	0	23.66	24.5
DFT-s-OFDM 64QAM	2592.99	518598	60	1	161	23.72	24.5
DFT-s-OFDM 64QAM	2592.99	518598	60	81	40	23.74	24.5
DFT-s-OFDM 64QAM	2592.99	518598	60	162	0	23.82	24.5
DFT-s-OFDM 256QAM	2592.99	518598	60	1	0	23.53	24.5
DFT-s-OFDM 256QAM	2592.99	518598	60	1	161	23.48	24.5
DFT-s-OFDM 256QAM	2592.99	518598	60	81	40	23.8	24.5
DFT-s-OFDM 256QAM	2592.99	518598	60	162	0	23.63	24.5
CP-OFDM QPSK	2592.99	518598	60	1	0	23.84	24.5

CP-OFDM QPSK	2592.99	518598	60	1	161	23.82	24.5
CP-OFDM QPSK	2592.99	518598	60	81	40	23.75	24.5
CP-OFDM QPSK	2592.99	518598	60	162	0	23.76	24.5
CP-OFDM 16QAM	2592.99	518598	60	1	0	23.88	24.5
CP-OFDM 16QAM	2592.99	518598	60	1	161	23.79	24.5
CP-OFDM 16QAM	2592.99	518598	60	81	40	23.73	24.5
CP-OFDM 16QAM	2592.99	518598	60	162	0	23.8	24.5
CP-OFDM 64QAM	2659.98	531996	60	1	0	23.71	24.5
CP-OFDM 64QAM	2659.98	531996	60	1	161	23.73	24.5
CP-OFDM 64QAM	2659.98	531996	60	81	40	23.77	24.5
CP-OFDM 64QAM	2659.98	531996	60	162	0	23.77	24.5
CP-OFDM 256QAM	2659.98	531996	60	1	0	22.95	24.5
CP-OFDM 256QAM	2659.98	531996	60	1	161	22.96	24.5
CP-OFDM 256QAM	2659.98	531996	60	81	40	23.05	24.5
CP-OFDM 256QAM	2659.98	531996	60	162	0	23.06	24.5
DFT-s-OFDM 16QAM	2659.98	531996	60	1	0	23.94	24.5
DFT-s-OFDM 16QAM	2659.98	531996	60	1	161	23.88	24.5
DFT-s-OFDM 16QAM	2659.98	531996	60	81	40	23.88	24.5
DFT-s-OFDM 16QAM	2659.98	531996	60	162	0	23.83	24.5
DFT-s-OFDM 64QAM	2659.98	531996	60	1	0	23.86	24.5
DFT-s-OFDM 64QAM	2659.98	531996	60	1	161	23.81	24.5
DFT-s-OFDM 64QAM	2659.98	531996	60	81	40	23.91	24.5

DFT-s-OFDM 64QAM	2659.98	531996	60	162	0	23.94	24.5
DFT-s-OFDM 256QAM	2659.98	531996	60	1	0	23.65	24.5
DFT-s-OFDM 256QAM	2659.98	531996	60	1	161	23.57	24.5
DFT-s-OFDM 256QAM	2659.98	531996	60	81	40	23.74	24.5
DFT-s-OFDM 256QAM	2659.98	531996	60	162	0	23.8	24.5
CP-OFDM QPSK	2659.98	531996	60	1	0	23.96	24.5
CP-OFDM QPSK	2659.98	531996	60	1	161	23.91	24.5
CP-OFDM QPSK	2659.98	531996	60	81	40	23.85	24.5
CP-OFDM QPSK	2659.98	531996	60	162	0	23.9	24.5
CP-OFDM 16QAM	2659.98	531996	60	1	0	24	24.5
CP-OFDM 16QAM	2659.98	531996	60	1	161	24	24.5
CP-OFDM 16QAM	2659.98	531996	60	81	40	23.83	24.5
CP-OFDM 16QAM	2659.98	531996	60	162	0	23.92	24.5
CP-OFDM 64QAM	2659.98	531996	60	1	0	23.8	24.5
CP-OFDM 64QAM	2659.98	531996	60	1	161	23.72	24.5
CP-OFDM 64QAM	2659.98	531996	60	81	40	23.86	24.5
CP-OFDM 64QAM	2659.98	531996	60	162	0	23.9	24.5
CP-OFDM 256QAM	2659.98	531996	60	1	0	23.1	24.5
CP-OFDM 256QAM	2659.98	531996	60	1	161	23.1	24.5
CP-OFDM 256QAM	2659.98	531996	60	81	40	23.26	24.5
CP-OFDM 256QAM	2659.98	531996	60	162	0	23.25	24.5

Modulation	Carrier frequency	UL Channel	BW	RB Size	RB Offset	Conducted power	Tune up

	(MHz)		(MHz)			(dBm)	(dBm)
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	1	0	23.74	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	1	188	23.49	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	90	45	23.67	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	180	0	23.77	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	1	0	23.8	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	1	188	23.68	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	90	45	23.71	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	180	0	23.73	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	1	0	23.85	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	1	188	23.62	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	90	45	23.87	24.5
DFT-s-OFDM PI/2 BPSK	2531.01	506202	70	180	0	23.91	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	1	0	23.72	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	1	188	23.79	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	90	45	23.84	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	180	0	23.92	24.5

DFT-s-OFDM QPSK	2531.01	506202	70	1	0	23.8	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	1	188	23.97	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	90	45	23.89	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	180	0	23.9	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	1	0	24.02	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	1	188	23.85	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	90	45	23.92	24.5
DFT-s-OFDM QPSK	2531.01	506202	70	180	0	23.97	24.5
DFT-s-OFDM 16QAM	2531.01	506202	70	1	0	23.78	24.5
DFT-s-OFDM 16QAM	2531.01	506202	70	1	188	23.87	24.5
DFT-s-OFDM 16QAM	2531.01	506202	70	90	45	23.77	24.5
DFT-s-OFDM 16QAM	2531.01	506202	70	180	0	23.84	24.5
DFT-s-OFDM 64QAM	2531.01	506202	70	1	0	23.75	24.5
DFT-s-OFDM 64QAM	2531.01	506202	70	1	188	23.74	24.5
DFT-s-OFDM 64QAM	2531.01	506202	70	90	45	23.86	24.5
DFT-s-OFDM 64QAM	2531.01	506202	70	180	0	23.82	24.5
DFT-s-OFDM 256QAM	2531.01	506202	70	1	0	23.57	24.5

DFT-s-OFDM 256QAM	2531.01	506202	70	1	188	23.5	24.5
DFT-s-OFDM 256QAM	2531.01	506202	70	90	45	23.73	24.5
DFT-s-OFDM 256QAM	2531.01	506202	70	180	0	23.64	24.5
CP-OFDM QPSK	2592.99	518598	70	1	0	23.79	24.5
CP-OFDM QPSK	2592.99	518598	70	1	188	23.81	24.5
CP-OFDM QPSK	2592.99	518598	70	95	47	23.79	24.5
CP-OFDM QPSK	2592.99	518598	70	189	0	23.87	24.5
CP-OFDM 16QAM	2592.99	518598	70	1	0	23.84	24.5
CP-OFDM 16QAM	2592.99	518598	70	1	188	23.89	24.5
CP-OFDM 16QAM	2592.99	518598	70	95	47	23.83	24.5
CP-OFDM 16QAM	2592.99	518598	70	189	0	23.78	24.5
CP-OFDM 64QAM	2592.99	518598	70	1	0	23.62	24.5
CP-OFDM 64QAM	2592.99	518598	70	1	188	23.76	24.5
CP-OFDM 64QAM	2592.99	518598	70	95	47	23.84	24.5
CP-OFDM 64QAM	2592.99	518598	70	189	0	23.81	24.5
CP-OFDM 256QAM	2592.99	518598	70	1	0	22.92	24.5
CP-OFDM 256QAM	2592.99	518598	70	1	188	22.96	24.5
CP-OFDM 256QAM	2592.99	518598	70	95	47	23.19	24.5
CP-OFDM 256QAM	2592.99	518598	70	189	0	23.08	24.5
DFT-s-OFDM 16QAM	2592.99	518598	70	1	0	23.85	24.5
DFT-s-OFDM 16QAM	2592.99	518598	70	1	188	23.92	24.5
DFT-s-OFDM 16QAM	2592.99	518598	70	90	45	23.89	24.5

DFT-s-OFDM 16QAM	2592.99	518598	70	180	0	23.92	24.5
DFT-s-OFDM 64QAM	2592.99	518598	70	1	0	23.82	24.5
DFT-s-OFDM 64QAM	2592.99	518598	70	1	188	23.81	24.5
DFT-s-OFDM 64QAM	2592.99	518598	70	90	45	23.8	24.5
DFT-s-OFDM 64QAM	2592.99	518598	70	180	0	23.87	24.5
DFT-s-OFDM 256QAM	2592.99	518598	70	1	0	23.59	24.5
DFT-s-OFDM 256QAM	2592.99	518598	70	1	188	23.59	24.5
DFT-s-OFDM 256QAM	2592.99	518598	70	90	45	23.71	24.5
DFT-s-OFDM 256QAM	2592.99	518598	70	180	0	23.68	24.5
CP-OFDM QPSK	2592.99	518598	70	1	0	23.86	24.5
CP-OFDM QPSK	2592.99	518598	70	1	188	23.85	24.5
CP-OFDM QPSK	2592.99	518598	70	95	47	23.88	24.5
CP-OFDM QPSK	2592.99	518598	70	189	0	23.86	24.5
CP-OFDM 16QAM	2592.99	518598	70	1	0	23.88	24.5
CP-OFDM 16QAM	2592.99	518598	70	1	188	23.98	24.5
CP-OFDM 16QAM	2592.99	518598	70	95	47	23.91	24.5
CP-OFDM 16QAM	2592.99	518598	70	189	0	23.81	24.5
CP-OFDM 64QAM	2655	531000	70	1	0	23.71	24.5
CP-OFDM 64QAM	2655	531000	70	1	188	23.95	24.5
CP-OFDM 64QAM	2655	531000	70	95	47	23.84	24.5
CP-OFDM 64QAM	2655	531000	70	189	0	23.92	24.5

CP-OFDM 256QAM	2655	531000	70	1	0	23	24.5
CP-OFDM 256QAM	2655	531000	70	1	188	23.05	24.5
CP-OFDM 256QAM	2655	531000	70	95	47	23.13	24.5
CP-OFDM 256QAM	2655	531000	70	189	0	23.16	24.5
DFT-s-OFDM 16QAM	2655	531000	70	1	0	23.96	24.5
DFT-s-OFDM 16QAM	2655	531000	70	1	188	23.94	24.5
DFT-s-OFDM 16QAM	2655	531000	70	90	45	23.98	24.5
DFT-s-OFDM 16QAM	2655	531000	70	180	0	23.99	24.5
DFT-s-OFDM 64QAM	2655	531000	70	1	0	23.93	24.5
DFT-s-OFDM 64QAM	2655	531000	70	1	188	23.82	24.5
DFT-s-OFDM 64QAM	2655	531000	70	90	45	23.95	24.5
DFT-s-OFDM 64QAM	2655	531000	70	180	0	24.01	24.5
DFT-s-OFDM 256QAM	2655	531000	70	1	0	23.66	24.5
DFT-s-OFDM 256QAM	2655	531000	70	1	188	23.63	24.5
DFT-s-OFDM 256QAM	2655	531000	70	90	45	23.79	24.5
DFT-s-OFDM 256QAM	2655	531000	70	180	0	23.86	24.5
CP-OFDM QPSK	2655	531000	70	1	0	24	24.5
CP-OFDM QPSK	2655	531000	70	1	188	23.91	24.5
CP-OFDM QPSK	2655	531000	70	95	47	23.97	24.5

CP-OFDM QPSK	2655	531000	70	189	0	23.98	24.5
CP-OFDM 16QAM	2655	531000	70	1	0	23.99	24.5
CP-OFDM 16QAM	2655	531000	70	1	188	23.93	24.5
CP-OFDM 16QAM	2655	531000	70	95	47	24	24.5
CP-OFDM 16QAM	2655	531000	70	189	0	23.94	24.5
CP-OFDM 64QAM	2655	531000	70	1	0	23.95	24.5
CP-OFDM 64QAM	2655	531000	70	1	188	23.88	24.5
CP-OFDM 64QAM	2655	531000	70	95	47	24	24.5
CP-OFDM 64QAM	2655	531000	70	189	0	23.93	24.5
CP-OFDM 256QAM	2655	531000	70	1	0	23.17	24.5
CP-OFDM 256QAM	2655	531000	70	1	188	23.08	24.5
CP-OFDM 256QAM	2655	531000	70	95	47	23.32	24.5
CP-OFDM 256QAM	2655	531000	70	189	0	23.28	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	1	0	23.64	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	1	216	23.47	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	108	54	23.63	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	216	0	23.76	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	1	0	23.82	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	1	216	23.61	24.5

DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	108	54	23.72	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	216	0	23.77	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	1	0	23.86	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	1	216	23.69	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	108	54	23.55	24.5
DFT-s-OFDM PI/2 BPSK	2536.02	507204	80	216	0	23.81	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	1	0	23.77	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	1	216	23.73	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	108	54	23.82	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	216	0	23.81	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	1	0	23.84	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	1	216	23.92	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	108	54	23.88	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	216	0	23.87	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	1	0	23.92	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	1	216	23.97	24.5
DFT-s-OFDM QPSK	2536.02	507204	80	108	54	23.97	24.5

DFT-s-OFDM QPSK	2536.02	507204	80	216	0	23.75	24.5
DFT-s-OFDM 16QAM	2536.02	507204	80	1	0	23.8	24.5
DFT-s-OFDM 16QAM	2536.02	507204	80	1	216	23.76	24.5
DFT-s-OFDM 16QAM	2536.02	507204	80	108	54	23.76	24.5
DFT-s-OFDM 16QAM	2536.02	507204	80	216	0	23.87	24.5
DFT-s-OFDM 64QAM	2536.02	507204	80	1	0	23.75	24.5
DFT-s-OFDM 64QAM	2536.02	507204	80	1	216	23.65	24.5
DFT-s-OFDM 64QAM	2536.02	507204	80	108	54	23.76	24.5
DFT-s-OFDM 64QAM	2536.02	507204	80	216	0	23.81	24.5
DFT-s-OFDM 256QAM	2536.02	507204	80	1	0	23.5	24.5
DFT-s-OFDM 256QAM	2536.02	507204	80	1	216	23.5	24.5
DFT-s-OFDM 256QAM	2536.02	507204	80	108	54	23.62	24.5
DFT-s-OFDM 256QAM	2536.02	507204	80	216	0	23.75	24.5
CP-OFDM QPSK	2592.99	518598	80	1	0	23.9	24.5
CP-OFDM QPSK	2592.99	518598	80	1	216	23.8	24.5
CP-OFDM QPSK	2592.99	518598	80	109	54	23.73	24.5
CP-OFDM QPSK	2592.99	518598	80	217	0	23.84	24.5
CP-OFDM 16QAM	2592.99	518598	80	1	0	23.85	24.5
CP-OFDM 16QAM	2592.99	518598	80	1	216	23.8	24.5

CP-OFDM 16QAM	2592.99	518598	80	109	54	23.75	24.5
CP-OFDM 16QAM	2592.99	518598	80	217	0	23.83	24.5
CP-OFDM 64QAM	2592.99	518598	80	1	0	23.67	24.5
CP-OFDM 64QAM	2592.99	518598	80	1	216	23.76	24.5
CP-OFDM 64QAM	2592.99	518598	80	109	54	23.75	24.5
CP-OFDM 64QAM	2592.99	518598	80	217	0	23.8	24.5
CP-OFDM 256QAM	2592.99	518598	80	1	0	22.92	24.5
CP-OFDM 256QAM	2592.99	518598	80	1	216	22.97	24.5
CP-OFDM 256QAM	2592.99	518598	80	109	54	23.16	24.5
CP-OFDM 256QAM	2592.99	518598	80	217	0	23.08	24.5
DFT-s-OFDM 16QAM	2592.99	518598	80	1	0	24.05	24.5
DFT-s-OFDM 16QAM	2592.99	518598	80	1	216	23.96	24.5
DFT-s-OFDM 16QAM	2592.99	518598	80	108	54	23.82	24.5
DFT-s-OFDM 16QAM	2592.99	518598	80	216	0	23.89	24.5
DFT-s-OFDM 64QAM	2592.99	518598	80	1	0	23.75	24.5
DFT-s-OFDM 64QAM	2592.99	518598	80	1	216	23.82	24.5
DFT-s-OFDM 64QAM	2592.99	518598	80	108	54	23.89	24.5
DFT-s-OFDM 64QAM	2592.99	518598	80	216	0	23.97	24.5
DFT-s-OFDM 256QAM	2592.99	518598	80	1	0	23.52	24.5
DFT-s-OFDM 256QAM	2592.99	518598	80	1	216	23.62	24.5

DFT-s-OFDM 256QAM	2592.99	518598	80	108	54	23.73	24.5
DFT-s-OFDM 256QAM	2592.99	518598	80	216	0	23.74	24.5
CP-OFDM QPSK	2592.99	518598	80	1	0	23.85	24.5
CP-OFDM QPSK	2592.99	518598	80	1	216	23.93	24.5
CP-OFDM QPSK	2592.99	518598	80	109	54	23.86	24.5
CP-OFDM QPSK	2592.99	518598	80	217	0	23.83	24.5
CP-OFDM 16QAM	2592.99	518598	80	1	0	23.89	24.5
CP-OFDM 16QAM	2592.99	518598	80	1	216	23.89	24.5
CP-OFDM 16QAM	2592.99	518598	80	109	54	23.88	24.5
CP-OFDM 16QAM	2592.99	518598	80	217	0	23.85	24.5
CP-OFDM 64QAM	2649.99	529998	80	1	0	23.7	24.5
CP-OFDM 64QAM	2649.99	529998	80	1	216	23.84	24.5
CP-OFDM 64QAM	2649.99	529998	80	109	54	23.89	24.5
CP-OFDM 64QAM	2649.99	529998	80	217	0	23.94	24.5
CP-OFDM 256QAM	2649.99	529998	80	1	0	23.03	24.5
CP-OFDM 256QAM	2649.99	529998	80	1	216	23	24.5
CP-OFDM 256QAM	2649.99	529998	80	109	54	23.19	24.5
CP-OFDM 256QAM	2649.99	529998	80	217	0	23.2	24.5
DFT-s-OFDM 16QAM	2649.99	529998	80	1	0	23.99	24.5
DFT-s-OFDM 16QAM	2649.99	529998	80	1	216	23.99	24.5
DFT-s-OFDM 16QAM	2649.99	529998	80	108	54	23.95	24.5
DFT-s-OFDM 16QAM	2649.99	529998	80	216	0	24.02	24.5

DFT-s-OFDM 64QAM	2649.99	529998	80	1	0	23.89	24.5
DFT-s-OFDM 64QAM	2649.99	529998	80	1	216	23.84	24.5
DFT-s-OFDM 64QAM	2649.99	529998	80	108	54	24.04	24.5
DFT-s-OFDM 64QAM	2649.99	529998	80	216	0	24.02	24.5
DFT-s-OFDM 256QAM	2649.99	529998	80	1	0	23.76	24.5
DFT-s-OFDM 256QAM	2649.99	529998	80	1	216	23.68	24.5
DFT-s-OFDM 256QAM	2649.99	529998	80	108	54	23.81	24.5
DFT-s-OFDM 256QAM	2649.99	529998	80	216	0	23.9	24.5
CP-OFDM QPSK	2649.99	529998	80	1	0	23.98	24.5
CP-OFDM QPSK	2649.99	529998	80	1	216	23.93	24.5
CP-OFDM QPSK	2649.99	529998	80	109	54	24.03	24.5
CP-OFDM QPSK	2649.99	529998	80	217	0	24.05	24.5
CP-OFDM 16QAM	2649.99	529998	80	1	0	23.96	24.5
CP-OFDM 16QAM	2649.99	529998	80	1	216	24.09	24.5
CP-OFDM 16QAM	2649.99	529998	80	109	54	24.04	24.5
CP-OFDM 16QAM	2649.99	529998	80	217	0	23.98	24.5
CP-OFDM 64QAM	2649.99	529998	80	1	0	23.97	24.5
CP-OFDM 64QAM	2649.99	529998	80	1	216	23.89	24.5
CP-OFDM 64QAM	2649.99	529998	80	109	54	23.97	24.5
CP-OFDM 64QAM	2649.99	529998	80	217	0	23.98	24.5
CP-OFDM 256QAM	2649.99	529998	80	1	0	23.18	24.5

CP-OFDM 256QAM	2649.99	529998	80	1	216	23.13	24.5
CP-OFDM 256QAM	2649.99	529998	80	109	54	23.34	24.5
CP-OFDM 256QAM	2649.99	529998	80	217	0	23.35	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	2541	508200	90	1	0	23.72	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	1	244	23.5	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	120	60	23.73	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	243	0	23.71	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	1	0	23.75	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	1	244	23.63	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	120	60	23.79	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	243	0	23.75	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	1	0	23.9	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	1	244	23.74	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	120	60	23.87	24.5
DFT-s-OFDM PI/2 BPSK	2541	508200	90	243	0	23.91	24.5
DFT-s-OFDM QPSK	2541	508200	90	1	0	23.82	24.5

DFT-s-OFDM QPSK	2541	508200	90	1	244	23.78	24.5
DFT-s-OFDM QPSK	2541	508200	90	120	60	23.76	24.5
DFT-s-OFDM QPSK	2541	508200	90	243	0	23.8	24.5
DFT-s-OFDM QPSK	2541	508200	90	1	0	23.86	24.5
DFT-s-OFDM QPSK	2541	508200	90	1	244	23.9	24.5
DFT-s-OFDM QPSK	2541	508200	90	120	60	23.86	24.5
DFT-s-OFDM QPSK	2541	508200	90	243	0	23.88	24.5
DFT-s-OFDM QPSK	2541	508200	90	1	0	23.99	24.5
DFT-s-OFDM QPSK	2541	508200	90	1	244	23.98	24.5
DFT-s-OFDM QPSK	2541	508200	90	120	60	23.97	24.5
DFT-s-OFDM QPSK	2541	508200	90	243	0	23.97	24.5
DFT-s-OFDM 16QAM	2541	508200	90	1	0	23.81	24.5
DFT-s-OFDM 16QAM	2541	508200	90	1	244	23.84	24.5
DFT-s-OFDM 16QAM	2541	508200	90	120	60	23.81	24.5
DFT-s-OFDM 16QAM	2541	508200	90	243	0	23.85	24.5
DFT-s-OFDM 64QAM	2541	508200	90	1	0	23.85	24.5
DFT-s-OFDM 64QAM	2541	508200	90	1	244	23.67	24.5

DFT-s-OFDM 64QAM	2541	508200	90	120	60	23.83	24.5
DFT-s-OFDM 64QAM	2541	508200	90	243	0	23.85	24.5
DFT-s-OFDM 256QAM	2541	508200	90	1	0	23.55	24.5
DFT-s-OFDM 256QAM	2541	508200	90	1	244	23.52	24.5
DFT-s-OFDM 256QAM	2541	508200	90	120	60	23.69	24.5
DFT-s-OFDM 256QAM	2541	508200	90	243	0	23.68	24.5
CP-OFDM QPSK	2592.99	518598	90	1	0	23.75	24.5
CP-OFDM QPSK	2592.99	518598	90	1	244	23.78	24.5
CP-OFDM QPSK	2592.99	518598	90	123	61	23.79	24.5
CP-OFDM QPSK	2592.99	518598	90	245	0	23.78	24.5
CP-OFDM 16QAM	2592.99	518598	90	1	0	23.79	24.5
CP-OFDM 16QAM	2592.99	518598	90	1	244	23.86	24.5
CP-OFDM 16QAM	2592.99	518598	90	123	61	23.77	24.5
CP-OFDM 16QAM	2592.99	518598	90	245	0	23.8	24.5
CP-OFDM 64QAM	2592.99	518598	90	1	0	23.77	24.5
CP-OFDM 64QAM	2592.99	518598	90	1	244	23.66	24.5
CP-OFDM 64QAM	2592.99	518598	90	123	61	23.8	24.5
CP-OFDM 64QAM	2592.99	518598	90	245	0	23.87	24.5
CP-OFDM 256QAM	2592.99	518598	90	1	0	22.93	24.5
CP-OFDM 256QAM	2592.99	518598	90	1	244	23.03	24.5
CP-OFDM 256QAM	2592.99	518598	90	123	61	23.09	24.5
CP-OFDM 256QAM	2592.99	518598	90	245	0	23.22	24.5

DFT-s-OFDM 16QAM	2592.99	518598	90	1	0	23.89	24.5
DFT-s-OFDM 16QAM	2592.99	518598	90	1	244	23.97	24.5
DFT-s-OFDM 16QAM	2592.99	518598	90	120	60	23.84	24.5
DFT-s-OFDM 16QAM	2592.99	518598	90	243	0	23.93	24.5
DFT-s-OFDM 64QAM	2592.99	518598	90	1	0	23.86	24.5
DFT-s-OFDM 64QAM	2592.99	518598	90	1	244	23.86	24.5
DFT-s-OFDM 64QAM	2592.99	518598	90	120	60	23.93	24.5
DFT-s-OFDM 64QAM	2592.99	518598	90	243	0	23.93	24.5
DFT-s-OFDM 256QAM	2592.99	518598	90	1	0	23.61	24.5
DFT-s-OFDM 256QAM	2592.99	518598	90	1	244	23.6	24.5
DFT-s-OFDM 256QAM	2592.99	518598	90	120	60	23.74	24.5
DFT-s-OFDM 256QAM	2592.99	518598	90	243	0	23.76	24.5
CP-OFDM QPSK	2592.99	518598	90	1	0	23.87	24.5
CP-OFDM QPSK	2592.99	518598	90	1	244	23.92	24.5
CP-OFDM QPSK	2592.99	518598	90	123	61	23.87	24.5
CP-OFDM QPSK	2592.99	518598	90	245	0	23.87	24.5
CP-OFDM 16QAM	2592.99	518598	90	1	0	23.93	24.5
CP-OFDM 16QAM	2592.99	518598	90	1	244	24	24.5
CP-OFDM 16QAM	2592.99	518598	90	123	61	23.83	24.5

CP-OFDM 16QAM	2592.99	518598	90	245	0	23.82	24.5
CP-OFDM 64QAM	2644.98	528996	90	1	0	23.75	24.5
CP-OFDM 64QAM	2644.98	528996	90	1	244	23.81	24.5
CP-OFDM 64QAM	2644.98	528996	90	123	61	23.88	24.5
CP-OFDM 64QAM	2644.98	528996	90	245	0	23.87	24.5
CP-OFDM 256QAM	2644.98	528996	90	1	0	23.07	24.5
CP-OFDM 256QAM	2644.98	528996	90	1	244	23.12	24.5
CP-OFDM 256QAM	2644.98	528996	90	123	61	23.17	24.5
CP-OFDM 256QAM	2644.98	528996	90	245	0	23.21	24.5
DFT-s-OFDM 16QAM	2644.98	528996	90	1	0	24.17	24.5
DFT-s-OFDM 16QAM	2644.98	528996	90	1	244	24.05	24.5
DFT-s-OFDM 16QAM	2644.98	528996	90	120	60	24.03	24.5
DFT-s-OFDM 16QAM	2644.98	528996	90	243	0	23.98	24.5
DFT-s-OFDM 64QAM	2644.98	528996	90	1	0	23.93	24.5
DFT-s-OFDM 64QAM	2644.98	528996	90	1	244	23.84	24.5
DFT-s-OFDM 64QAM	2644.98	528996	90	120	60	24.02	24.5
DFT-s-OFDM 64QAM	2644.98	528996	90	243	0	24.01	24.5
DFT-s-OFDM 256QAM	2644.98	528996	90	1	0	23.78	24.5
DFT-s-OFDM 256QAM	2644.98	528996	90	1	244	23.67	24.5
DFT-s-OFDM 256QAM	2644.98	528996	90	120	60	23.89	24.5

DFT-s-OFDM 256QAM	2644.98	528996	90	243	0	23.88	24.5
CP-OFDM QPSK	2644.98	528996	90	1	0	24	24.5
CP-OFDM QPSK	2644.98	528996	90	1	244	24.03	24.5
CP-OFDM QPSK	2644.98	528996	90	123	61	23.93	24.5
CP-OFDM QPSK	2644.98	528996	90	245	0	23.99	24.5
CP-OFDM 16QAM	2644.98	528996	90	1	0	24.1	24.5
CP-OFDM 16QAM	2644.98	528996	90	1	244	24.03	24.5
CP-OFDM 16QAM	2644.98	528996	90	123	61	24.01	24.5
CP-OFDM 16QAM	2644.98	528996	90	245	0	23.93	24.5
CP-OFDM 64QAM	2644.98	528996	90	1	0	23.86	24.5
CP-OFDM 64QAM	2644.98	528996	90	1	244	23.89	24.5
CP-OFDM 64QAM	2644.98	528996	90	123	61	24.01	24.5
CP-OFDM 64QAM	2644.98	528996	90	245	0	24	24.5
CP-OFDM 256QAM	2644.98	528996	90	1	0	23.14	24.5
CP-OFDM 256QAM	2644.98	528996	90	1	244	23.17	24.5
CP-OFDM 256QAM	2644.98	528996	90	123	61	23.33	24.5
CP-OFDM 256QAM	2644.98	528996	90	245	0	23.3	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	1	0	23.28	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	1	272	23.23	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	135	67	23.3	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	270	0	23.28	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	1	0	23.09	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	1	272	23.13	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	135	67	23.03	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	270	0	23.12	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	1	0	22.96	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	1	272	22.88	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	135	67	22.85	24.5
DFT-s-OFDM PI/2 BPSK	2546.01	509202	100	270	0	22.9	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	1	0	23.38	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	1	272	23.26	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	135	67	23.23	24.5

DFT-s-OFDM QPSK	2546.01	509202	100	270	0	23.27	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	1	0	23.04	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	1	272	23.09	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	135	67	23.01	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	270	0	23.07	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	1	0	23.05	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	1	272	22.85	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	135	67	22.96	24.5
DFT-s-OFDM QPSK	2546.01	509202	100	270	0	22.95	24.5
DFT-s-OFDM 16QAM	2546.01	509202	100	1	0	23.38	24.5
DFT-s-OFDM 16QAM	2546.01	509202	100	1	272	23.31	24.5
DFT-s-OFDM 16QAM	2546.01	509202	100	135	67	23.14	24.5
DFT-s-OFDM 16QAM	2546.01	509202	100	270	0	23.18	24.5
DFT-s-OFDM 64QAM	2546.01	509202	100	1	0	23.21	24.5
DFT-s-OFDM 64QAM	2546.01	509202	100	1	272	23.06	24.5
DFT-s-OFDM 64QAM	2546.01	509202	100	135	67	23.3	24.5
DFT-s-OFDM 64QAM	2546.01	509202	100	270	0	23.3	24.5

DFT-s-OFDM 256QAM	2546.01	509202	100	1	0	22.91	24.5
DFT-s-OFDM 256QAM	2546.01	509202	100	1	272	23.08	24.5
DFT-s-OFDM 256QAM	2546.01	509202	100	135	67	23	24.5
DFT-s-OFDM 256QAM	2546.01	509202	100	270	0	23.03	24.5
CP-OFDM QPSK	2592.99	518598	100	1	0	23.36	24.5
CP-OFDM QPSK	2592.99	518598	100	1	272	23.32	24.5
CP-OFDM QPSK	2592.99	518598	100	137	68	23.22	24.5
CP-OFDM QPSK	2592.99	518598	100	273	0	23.22	24.5
CP-OFDM 16QAM	2592.99	518598	100	1	0	23.26	24.5
CP-OFDM 16QAM	2592.99	518598	100	1	272	23.14	24.5
CP-OFDM 16QAM	2592.99	518598	100	137	68	23.26	24.5
CP-OFDM 16QAM	2592.99	518598	100	273	0	23.29	24.5
CP-OFDM 64QAM	2592.99	518598	100	1	0	23.13	24.5
CP-OFDM 64QAM	2592.99	518598	100	1	272	23.09	24.5
CP-OFDM 64QAM	2592.99	518598	100	137	68	23.19	24.5
CP-OFDM 64QAM	2592.99	518598	100	273	0	23.24	24.5
CP-OFDM 256QAM	2592.99	518598	100	1	0	22.41	24.5
CP-OFDM 256QAM	2592.99	518598	100	1	272	22.29	24.5
CP-OFDM 256QAM	2592.99	518598	100	137	68	22.3	24.5
CP-OFDM 256QAM	2592.99	518598	100	273	0	22.4	24.5
DFT-s-OFDM 16QAM	2592.99	518598	100	1	0	22.99	24.5
DFT-s-OFDM 16QAM	2592.99	518598	100	1	272	22.93	24.5

DFT-s-OFDM 16QAM	2592.99	518598	100	135	67	23.15	24.5
DFT-s-OFDM 16QAM	2592.99	518598	100	270	0	23.11	24.5
DFT-s-OFDM 64QAM	2592.99	518598	100	1	0	22.93	24.5
DFT-s-OFDM 64QAM	2592.99	518598	100	1	272	23.04	24.5
DFT-s-OFDM 64QAM	2592.99	518598	100	135	67	23.12	24.5
DFT-s-OFDM 64QAM	2592.99	518598	100	270	0	23.15	24.5
DFT-s-OFDM 256QAM	2592.99	518598	100	1	0	22.71	24.5
DFT-s-OFDM 256QAM	2592.99	518598	100	1	272	22.84	24.5
DFT-s-OFDM 256QAM	2592.99	518598	100	135	67	22.89	24.5
DFT-s-OFDM 256QAM	2592.99	518598	100	270	0	22.86	24.5
CP-OFDM QPSK	2592.99	518598	100	1	0	23.02	24.5
CP-OFDM QPSK	2592.99	518598	100	1	272	23.18	24.5
CP-OFDM QPSK	2592.99	518598	100	137	68	22.96	24.5
CP-OFDM QPSK	2592.99	518598	100	273	0	23.07	24.5
CP-OFDM 16QAM	2592.99	518598	100	1	0	23.02	24.5
CP-OFDM 16QAM	2592.99	518598	100	1	272	23.08	24.5
CP-OFDM 16QAM	2592.99	518598	100	137	68	22.99	24.5
CP-OFDM 16QAM	2592.99	518598	100	273	0	23.08	24.5
CP-OFDM 64QAM	2640	528000	100	1	0	22.82	24.5
CP-OFDM 64QAM	2640	528000	100	1	272	22.93	24.5

CP-OFDM 64QAM	2640	528000	100	137	68	23.08	24.5
CP-OFDM 64QAM	2640	528000	100	273	0	23.12	24.5
CP-OFDM 256QAM	2640	528000	100	1	0	22.02	24.5
CP-OFDM 256QAM	2640	528000	100	1	272	22.19	24.5
CP-OFDM 256QAM	2640	528000	100	137	68	22.14	24.5
CP-OFDM 256QAM	2640	528000	100	273	0	22.22	24.5
DFT-s-OFDM 16QAM	2640	528000	100	1	0	22.91	24.5
DFT-s-OFDM 16QAM	2640	528000	100	1	272	22.79	24.5
DFT-s-OFDM 16QAM	2640	528000	100	135	67	22.95	24.5
DFT-s-OFDM 16QAM	2640	528000	100	270	0	22.94	24.5
DFT-s-OFDM 64QAM	2640	528000	100	1	0	22.8	24.5
DFT-s-OFDM 64QAM	2640	528000	100	1	272	22.86	24.5
DFT-s-OFDM 64QAM	2640	528000	100	135	67	22.89	24.5
DFT-s-OFDM 64QAM	2640	528000	100	270	0	22.84	24.5
DFT-s-OFDM 256QAM	2640	528000	100	1	0	22.76	24.5
DFT-s-OFDM 256QAM	2640	528000	100	1	272	22.62	24.5
DFT-s-OFDM 256QAM	2640	528000	100	135	67	22.8	24.5
DFT-s-OFDM 256QAM	2640	528000	100	270	0	22.85	24.5
CP-OFDM QPSK	2640	528000	100	1	0	23.02	24.5

CP-OFDM QPSK	2640	528000	100	1	272	22.95	24.5
CP-OFDM QPSK	2640	528000	100	137	68	22.9	24.5
CP-OFDM QPSK	2640	528000	100	273	0	22.85	24.5
CP-OFDM 16QAM	2640	528000	100	1	0	22.91	24.5
CP-OFDM 16QAM	2640	528000	100	1	272	22.85	24.5
CP-OFDM 16QAM	2640	528000	100	137	68	22.91	24.5
CP-OFDM 16QAM	2640	528000	100	273	0	22.96	24.5
CP-OFDM 64QAM	2640	528000	100	1	0	22.78	24.5
CP-OFDM 64QAM	2640	528000	100	1	272	22.66	24.5
CP-OFDM 64QAM	2640	528000	100	137	68	22.91	24.5
CP-OFDM 64QAM	2640	528000	100	273	0	22.91	24.5
CP-OFDM 256QAM	2640	528000	100	1	0	22.09	24.5
CP-OFDM 256QAM	2640	528000	100	1	272	22.15	24.5
CP-OFDM 256QAM	2640	528000	100	137	68	22.17	24.5
CP-OFDM 256QAM	2640	528000	100	273	0	22.21	24.5

NR66 (DC_13A_n66A)

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	1	0	23.56	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	1	24	23.59	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	12	6	23.56	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	25	0	23.54	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	1	0	23.81	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	1	24	23.8	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	12	6	23.88	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	25	0	23.86	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	1	0	23.49	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	1	24	23.48	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	12	6	23.54	24.5
DFT-s-OFDM PI/2 BPSK	1712.5	342500	5	25	0	23.55	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	1	0	23.59	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	1	24	23.57	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	12	6	23.56	24.5

DFT-s-OFDM QPSK	1712.5	342500	5	25	0	23.57	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	1	0	23.88	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	1	24	23.8	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	12	6	23.87	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	25	0	23.87	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	1	0	23.48	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	1	24	23.56	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	12	6	23.64	24.5
DFT-s-OFDM QPSK	1712.5	342500	5	25	0	23.54	24.5
DFT-s-OFDM 16QAM	1712.5	342500	5	1	0	23.58	24.5
DFT-s-OFDM 16QAM	1712.5	342500	5	1	24	23.52	24.5
DFT-s-OFDM 16QAM	1712.5	342500	5	12	6	23.62	24.5
DFT-s-OFDM 16QAM	1712.5	342500	5	25	0	23.6	24.5
DFT-s-OFDM 64QAM	1712.5	342500	5	1	0	23.53	24.5
DFT-s-OFDM 64QAM	1712.5	342500	5	1	24	23.52	24.5
DFT-s-OFDM 64QAM	1712.5	342500	5	12	6	23.64	24.5
DFT-s-OFDM 64QAM	1712.5	342500	5	25	0	23.54	24.5

DFT-s-OFDM 256QAM	1712.5	342500	5	1	0	23.52	24.5
DFT-s-OFDM 256QAM	1712.5	342500	5	1	24	23.43	24.5
DFT-s-OFDM 256QAM	1712.5	342500	5	12	6	23.59	24.5
DFT-s-OFDM 256QAM	1712.5	342500	5	25	0	23.58	24.5
CP-OFDM QPSK	1745	349000	5	1	0	23.59	24.5
CP-OFDM QPSK	1745	349000	5	1	24	23.58	24.5
CP-OFDM QPSK	1745	349000	5	13	6	23.55	24.5
CP-OFDM QPSK	1745	349000	5	25	0	23.57	24.5
CP-OFDM 16QAM	1745	349000	5	1	0	23.69	24.5
CP-OFDM 16QAM	1745	349000	5	1	24	23.62	24.5
CP-OFDM 16QAM	1745	349000	5	13	6	23.57	24.5
CP-OFDM 16QAM	1745	349000	5	25	0	23.52	24.5
CP-OFDM 64QAM	1745	349000	5	1	0	23.51	24.5
CP-OFDM 64QAM	1745	349000	5	1	24	23.56	24.5
CP-OFDM 64QAM	1745	349000	5	13	6	23.52	24.5
CP-OFDM 64QAM	1745	349000	5	25	0	23.53	24.5
CP-OFDM 256QAM	1745	349000	5	1	0	23.44	24.5
CP-OFDM 256QAM	1745	349000	5	1	24	23.44	24.5
CP-OFDM 256QAM	1745	349000	5	13	6	23.61	24.5
CP-OFDM 256QAM	1745	349000	5	25	0	23.58	24.5
DFT-s-OFDM 16QAM	1745	349000	5	1	0	23.89	24.5
DFT-s-OFDM 16QAM	1745	349000	5	1	24	23.9	24.5

DFT-s-OFDM 16QAM	1745	349000	5	12	6	23.87	24.5
DFT-s-OFDM 16QAM	1745	349000	5	25	0	23.85	24.5
DFT-s-OFDM 64QAM	1745	349000	5	1	0	23.83	24.5
DFT-s-OFDM 64QAM	1745	349000	5	1	24	23.8	24.5
DFT-s-OFDM 64QAM	1745	349000	5	12	6	23.87	24.5
DFT-s-OFDM 64QAM	1745	349000	5	25	0	23.87	24.5
DFT-s-OFDM 256QAM	1745	349000	5	1	0	23.86	24.5
DFT-s-OFDM 256QAM	1745	349000	5	1	24	23.84	24.5
DFT-s-OFDM 256QAM	1745	349000	5	12	6	23.85	24.5
DFT-s-OFDM 256QAM	1745	349000	5	25	0	23.83	24.5
CP-OFDM QPSK	1745	349000	5	1	0	23.92	24.5
CP-OFDM QPSK	1745	349000	5	1	24	23.82	24.5
CP-OFDM QPSK	1745	349000	5	13	6	23.92	24.5
CP-OFDM QPSK	1745	349000	5	25	0	23.91	24.5
CP-OFDM 16QAM	1745	349000	5	1	0	23.97	24.5
CP-OFDM 16QAM	1745	349000	5	1	24	23.9	24.5
CP-OFDM 16QAM	1745	349000	5	13	6	23.85	24.5
CP-OFDM 16QAM	1745	349000	5	25	0	23.89	24.5
CP-OFDM 64QAM	1777.5	355500	5	1	0	23.88	24.5
CP-OFDM 64QAM	1777.5	355500	5	1	24	23.88	24.5

CP-OFDM 64QAM	1777.5	355500	5	13	6	23.91	24.5
CP-OFDM 64QAM	1777.5	355500	5	25	0	23.89	24.5
CP-OFDM 256QAM	1777.5	355500	5	1	0	23.82	24.5
CP-OFDM 256QAM	1777.5	355500	5	1	24	23.82	24.5
CP-OFDM 256QAM	1777.5	355500	5	13	6	23.9	24.5
CP-OFDM 256QAM	1777.5	355500	5	25	0	23.9	24.5
DFT-s-OFDM 16QAM	1777.5	355500	5	1	0	23.54	24.5
DFT-s-OFDM 16QAM	1777.5	355500	5	1	24	23.58	24.5
DFT-s-OFDM 16QAM	1777.5	355500	5	12	6	23.52	24.5
DFT-s-OFDM 16QAM	1777.5	355500	5	25	0	23.61	24.5
DFT-s-OFDM 64QAM	1777.5	355500	5	1	0	23.59	24.5
DFT-s-OFDM 64QAM	1777.5	355500	5	1	24	23.56	24.5
DFT-s-OFDM 64QAM	1777.5	355500	5	12	6	23.54	24.5
DFT-s-OFDM 64QAM	1777.5	355500	5	25	0	23.52	24.5
DFT-s-OFDM 256QAM	1777.5	355500	5	1	0	23.52	24.5
DFT-s-OFDM 256QAM	1777.5	355500	5	1	24	23.45	24.5
DFT-s-OFDM 256QAM	1777.5	355500	5	12	6	23.59	24.5
DFT-s-OFDM 256QAM	1777.5	355500	5	25	0	23.52	24.5
CP-OFDM QPSK	1777.5	355500	5	1	0	23.52	24.5

CP-OFDM QPSK	1777.5	355500	5	1	24	23.62	24.5
CP-OFDM QPSK	1777.5	355500	5	13	6	23.51	24.5
CP-OFDM QPSK	1777.5	355500	5	25	0	23.63	24.5
CP-OFDM 16QAM	1777.5	355500	5	1	0	23.57	24.5
CP-OFDM 16QAM	1777.5	355500	5	1	24	23.66	24.5
CP-OFDM 16QAM	1777.5	355500	5	13	6	23.53	24.5
CP-OFDM 16QAM	1777.5	355500	5	25	0	23.62	24.5
CP-OFDM 64QAM	1777.5	355500	5	1	0	23.57	24.5
CP-OFDM 64QAM	1777.5	355500	5	1	24	23.55	24.5
CP-OFDM 64QAM	1777.5	355500	5	13	6	23.51	24.5
CP-OFDM 64QAM	1777.5	355500	5	25	0	23.62	24.5
CP-OFDM 256QAM	1777.5	355500	5	1	0	23.53	24.5
CP-OFDM 256QAM	1777.5	355500	5	1	24	23.44	24.5
CP-OFDM 256QAM	1777.5	355500	5	13	6	23.62	24.5
CP-OFDM 256QAM	1777.5	355500	5	25	0	23.6	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	1715	343000	10	1	0	23.81	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	1	51	23.69	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	25	12	23.76	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	50	0	23.84	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	1	0	23.88	24.5

DFT-s-OFDM PI/2 BPSK	1715	343000	10	1	51	23.83	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	25	12	23.83	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	50	0	23.94	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	1	0	23.64	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	1	51	23.68	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	25	12	23.7	24.5
DFT-s-OFDM PI/2 BPSK	1715	343000	10	50	0	23.68	24.5
DFT-s-OFDM QPSK	1715	343000	10	1	0	23.87	24.5
DFT-s-OFDM QPSK	1715	343000	10	1	51	23.8	24.5
DFT-s-OFDM QPSK	1715	343000	10	25	12	23.87	24.5
DFT-s-OFDM QPSK	1715	343000	10	50	0	23.89	24.5
DFT-s-OFDM QPSK	1715	343000	10	1	0	23.89	24.5
DFT-s-OFDM QPSK	1715	343000	10	1	51	23.83	24.5
DFT-s-OFDM QPSK	1715	343000	10	25	12	23.86	24.5
DFT-s-OFDM QPSK	1715	343000	10	50	0	23.89	24.5
DFT-s-OFDM QPSK	1715	343000	10	1	0	23.66	24.5
DFT-s-OFDM QPSK	1715	343000	10	1	51	23.65	24.5

DFT-s-OFDM QPSK	1715	343000	10	25	12	23.65	24.5
DFT-s-OFDM QPSK	1715	343000	10	50	0	23.66	24.5
DFT-s-OFDM 16QAM	1715	343000	10	1	0	23.88	24.5
DFT-s-OFDM 16QAM	1715	343000	10	1	51	23.84	24.5
DFT-s-OFDM 16QAM	1715	343000	10	25	12	23.83	24.5
DFT-s-OFDM 16QAM	1715	343000	10	50	0	23.84	24.5
DFT-s-OFDM 64QAM	1715	343000	10	1	0	23.82	24.5
DFT-s-OFDM 64QAM	1715	343000	10	1	51	23.79	24.5
DFT-s-OFDM 64QAM	1715	343000	10	25	12	23.93	24.5
DFT-s-OFDM 64QAM	1715	343000	10	50	0	23.83	24.5
DFT-s-OFDM 256QAM	1715	343000	10	1	0	23.77	24.5
DFT-s-OFDM 256QAM	1715	343000	10	1	51	23.74	24.5
DFT-s-OFDM 256QAM	1715	343000	10	25	12	23.83	24.5
DFT-s-OFDM 256QAM	1715	343000	10	50	0	23.82	24.5
CP-OFDM QPSK	1745	349000	10	1	0	23.93	24.5
CP-OFDM QPSK	1745	349000	10	1	51	23.82	24.5
CP-OFDM QPSK	1745	349000	10	26	13	23.82	24.5
CP-OFDM QPSK	1745	349000	10	52	0	23.91	24.5

CP-OFDM 16QAM	1745	349000	10	1	0	23.95	24.5
CP-OFDM 16QAM	1745	349000	10	1	51	23.9	24.5
CP-OFDM 16QAM	1745	349000	10	26	13	23.87	24.5
CP-OFDM 16QAM	1745	349000	10	52	0	23.85	24.5
CP-OFDM 64QAM	1745	349000	10	1	0	23.8	24.5
CP-OFDM 64QAM	1745	349000	10	1	51	23.88	24.5
CP-OFDM 64QAM	1745	349000	10	26	13	23.87	24.5
CP-OFDM 64QAM	1745	349000	10	52	0	23.85	24.5
CP-OFDM 256QAM	1745	349000	10	1	0	23.77	24.5
CP-OFDM 256QAM	1745	349000	10	1	51	23.78	24.5
CP-OFDM 256QAM	1745	349000	10	26	13	23.83	24.5
CP-OFDM 256QAM	1745	349000	10	52	0	23.85	24.5
DFT-s-OFDM 16QAM	1745	349000	10	1	0	23.87	24.5
DFT-s-OFDM 16QAM	1745	349000	10	1	51	23.86	24.5
DFT-s-OFDM 16QAM	1745	349000	10	25	12	23.85	24.5
DFT-s-OFDM 16QAM	1745	349000	10	50	0	23.84	24.5
DFT-s-OFDM 64QAM	1745	349000	10	1	0	23.88	24.5
DFT-s-OFDM 64QAM	1745	349000	10	1	51	23.81	24.5
DFT-s-OFDM 64QAM	1745	349000	10	25	12	23.84	24.5
DFT-s-OFDM 64QAM	1745	349000	10	50	0	23.94	24.5
DFT-s-OFDM 256QAM	1745	349000	10	1	0	23.81	24.5

DFT-s-OFDM 256QAM	1745	349000	10	1	51	23.81	24.5
DFT-s-OFDM 256QAM	1745	349000	10	25	12	23.93	24.5
DFT-s-OFDM 256QAM	1745	349000	10	50	0	23.86	24.5
CP-OFDM QPSK	1745	349000	10	1	0	23.86	24.5
CP-OFDM QPSK	1745	349000	10	1	51	23.94	24.5
CP-OFDM QPSK	1745	349000	10	26	13	23.88	24.5
CP-OFDM QPSK	1745	349000	10	52	0	23.89	24.5
CP-OFDM 16QAM	1745	349000	10	1	0	23.94	24.5
CP-OFDM 16QAM	1745	349000	10	1	51	23.93	24.5
CP-OFDM 16QAM	1745	349000	10	26	13	23.88	24.5
CP-OFDM 16QAM	1745	349000	10	52	0	23.87	24.5
CP-OFDM 64QAM	1775	355000	10	1	0	23.94	24.5
CP-OFDM 64QAM	1775	355000	10	1	51	23.82	24.5
CP-OFDM 64QAM	1775	355000	10	26	13	23.91	24.5
CP-OFDM 64QAM	1775	355000	10	52	0	23.9	24.5
CP-OFDM 256QAM	1775	355000	10	1	0	23.82	24.5
CP-OFDM 256QAM	1775	355000	10	1	51	23.82	24.5
CP-OFDM 256QAM	1775	355000	10	26	13	23.91	24.5
CP-OFDM 256QAM	1775	355000	10	52	0	23.91	24.5
DFT-s-OFDM 16QAM	1775	355000	10	1	0	23.69	24.5
DFT-s-OFDM 16QAM	1775	355000	10	1	51	23.74	24.5
DFT-s-OFDM 16QAM	1775	355000	10	25	12	23.71	24.5

DFT-s-OFDM 16QAM	1775	355000	10	50	0	23.68	24.5
DFT-s-OFDM 64QAM	1775	355000	10	1	0	23.66	24.5
DFT-s-OFDM 64QAM	1775	355000	10	1	51	23.62	24.5
DFT-s-OFDM 64QAM	1775	355000	10	25	12	23.63	24.5
DFT-s-OFDM 64QAM	1775	355000	10	50	0	23.65	24.5
DFT-s-OFDM 256QAM	1775	355000	10	1	0	23.56	24.5
DFT-s-OFDM 256QAM	1775	355000	10	1	51	23.63	24.5
DFT-s-OFDM 256QAM	1775	355000	10	25	12	23.71	24.5
DFT-s-OFDM 256QAM	1775	355000	10	50	0	23.72	24.5
CP-OFDM QPSK	1775	355000	10	1	0	23.65	24.5
CP-OFDM QPSK	1775	355000	10	1	51	23.68	24.5
CP-OFDM QPSK	1775	355000	10	26	13	23.7	24.5
CP-OFDM QPSK	1775	355000	10	52	0	23.62	24.5
CP-OFDM 16QAM	1775	355000	10	1	0	23.7	24.5
CP-OFDM 16QAM	1775	355000	10	1	51	23.71	24.5
CP-OFDM 16QAM	1775	355000	10	26	13	23.71	24.5
CP-OFDM 16QAM	1775	355000	10	52	0	23.66	24.5
CP-OFDM 64QAM	1775	355000	10	1	0	23.68	24.5
CP-OFDM 64QAM	1775	355000	10	1	51	23.52	24.5
CP-OFDM 64QAM	1775	355000	10	26	13	23.71	24.5
CP-OFDM 64QAM	1775	355000	10	52	0	23.71	24.5

CP-OFDM 256QAM	1775	355000	10	1	0	23.63	24.5
CP-OFDM 256QAM	1775	355000	10	1	51	23.61	24.5
CP-OFDM 256QAM	1775	355000	10	26	13	23.68	24.5
CP-OFDM 256QAM	1775	355000	10	52	0	23.61	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	1	0	23.82	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	1	78	23.81	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	36	18	23.78	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	75	0	23.76	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	1	0	23.89	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	1	78	23.8	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	36	18	23.89	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	75	0	23.89	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	1	0	23.61	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	1	78	23.58	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	36	18	23.63	24.5
DFT-s-OFDM PI/2 BPSK	1717.5	343500	15	75	0	23.64	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	1	0	23.84	24.5

DFT-s-OFDM QPSK	1717.5	343500	15	1	78	23.8	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	36	18	23.79	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	75	0	23.9	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	1	0	23.86	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	1	78	23.88	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	36	18	23.91	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	75	0	23.91	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	1	0	23.67	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	1	78	23.64	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	36	18	23.65	24.5
DFT-s-OFDM QPSK	1717.5	343500	15	75	0	23.65	24.5
DFT-s-OFDM 16QAM	1717.5	343500	15	1	0	23.79	24.5
DFT-s-OFDM 16QAM	1717.5	343500	15	1	78	23.88	24.5
DFT-s-OFDM 16QAM	1717.5	343500	15	36	18	23.84	24.5
DFT-s-OFDM 16QAM	1717.5	343500	15	75	0	23.84	24.5
DFT-s-OFDM 64QAM	1717.5	343500	15	1	0	23.8	24.5
DFT-s-OFDM 64QAM	1717.5	343500	15	1	78	23.81	24.5

DFT-s-OFDM 64QAM	1717.5	343500	15	36	18	23.86	24.5
DFT-s-OFDM 64QAM	1717.5	343500	15	75	0	23.87	24.5
DFT-s-OFDM 256QAM	1717.5	343500	15	1	0	23.77	24.5
DFT-s-OFDM 256QAM	1717.5	343500	15	1	78	23.75	24.5
DFT-s-OFDM 256QAM	1717.5	343500	15	36	18	23.76	24.5
DFT-s-OFDM 256QAM	1717.5	343500	15	75	0	23.85	24.5
CP-OFDM QPSK	1745	349000	15	1	0	23.86	24.5
CP-OFDM QPSK	1745	349000	15	1	78	23.88	24.5
CP-OFDM QPSK	1745	349000	15	39	19	23.85	24.5
CP-OFDM QPSK	1745	349000	15	79	0	23.84	24.5
CP-OFDM 16QAM	1745	349000	15	1	0	23.92	24.5
CP-OFDM 16QAM	1745	349000	15	1	78	23.9	24.5
CP-OFDM 16QAM	1745	349000	15	39	19	23.84	24.5
CP-OFDM 16QAM	1745	349000	15	79	0	23.82	24.5
CP-OFDM 64QAM	1745	349000	15	1	0	23.8	24.5
CP-OFDM 64QAM	1745	349000	15	1	78	23.79	24.5
CP-OFDM 64QAM	1745	349000	15	39	19	23.88	24.5
CP-OFDM 64QAM	1745	349000	15	79	0	23.88	24.5
CP-OFDM 256QAM	1745	349000	15	1	0	23.77	24.5
CP-OFDM 256QAM	1745	349000	15	1	78	23.8	24.5
CP-OFDM 256QAM	1745	349000	15	39	19	23.84	24.5
CP-OFDM 256QAM	1745	349000	15	79	0	23.85	24.5

DFT-s-OFDM 16QAM	1745	349000	15	1	0	23.9	24.5
DFT-s-OFDM 16QAM	1745	349000	15	1	78	23.91	24.5
DFT-s-OFDM 16QAM	1745	349000	15	36	18	23.86	24.5
DFT-s-OFDM 16QAM	1745	349000	15	75	0	23.9	24.5
DFT-s-OFDM 64QAM	1745	349000	15	1	0	23.84	24.5
DFT-s-OFDM 64QAM	1745	349000	15	1	78	23.84	24.5
DFT-s-OFDM 64QAM	1745	349000	15	36	18	23.87	24.5
DFT-s-OFDM 64QAM	1745	349000	15	75	0	23.89	24.5
DFT-s-OFDM 256QAM	1745	349000	15	1	0	23.81	24.5
DFT-s-OFDM 256QAM	1745	349000	15	1	78	23.81	24.5
DFT-s-OFDM 256QAM	1745	349000	15	36	18	23.88	24.5
DFT-s-OFDM 256QAM	1745	349000	15	75	0	23.9	24.5
CP-OFDM QPSK	1745	349000	15	1	0	23.91	24.5
CP-OFDM QPSK	1745	349000	15	1	78	23.81	24.5
CP-OFDM QPSK	1745	349000	15	39	19	23.89	24.5
CP-OFDM QPSK	1745	349000	15	79	0	23.87	24.5
CP-OFDM 16QAM	1745	349000	15	1	0	23.93	24.5
CP-OFDM 16QAM	1745	349000	15	1	78	23.96	24.5
CP-OFDM 16QAM	1745	349000	15	39	19	24.01	24.5

CP-OFDM 16QAM	1745	349000	15	79	0	23.88	24.5
CP-OFDM 64QAM	1772.5	354500	15	1	0	23.84	24.5
CP-OFDM 64QAM	1772.5	354500	15	1	78	23.84	24.5
CP-OFDM 64QAM	1772.5	354500	15	39	19	23.91	24.5
CP-OFDM 64QAM	1772.5	354500	15	79	0	23.9	24.5
CP-OFDM 256QAM	1772.5	354500	15	1	0	23.8	24.5
CP-OFDM 256QAM	1772.5	354500	15	1	78	23.83	24.5
CP-OFDM 256QAM	1772.5	354500	15	39	19	23.88	24.5
CP-OFDM 256QAM	1772.5	354500	15	79	0	23.88	24.5
DFT-s-OFDM 16QAM	1772.5	354500	15	1	0	23.7	24.5
DFT-s-OFDM 16QAM	1772.5	354500	15	1	78	23.67	24.5
DFT-s-OFDM 16QAM	1772.5	354500	15	36	18	23.6	24.5
DFT-s-OFDM 16QAM	1772.5	354500	15	75	0	23.63	24.5
DFT-s-OFDM 64QAM	1772.5	354500	15	1	0	23.61	24.5
DFT-s-OFDM 64QAM	1772.5	354500	15	1	78	23.69	24.5
DFT-s-OFDM 64QAM	1772.5	354500	15	36	18	23.62	24.5
DFT-s-OFDM 64QAM	1772.5	354500	15	75	0	23.66	24.5
DFT-s-OFDM 256QAM	1772.5	354500	15	1	0	23.58	24.5
DFT-s-OFDM 256QAM	1772.5	354500	15	1	78	23.57	24.5
DFT-s-OFDM 256QAM	1772.5	354500	15	36	18	23.64	24.5

DFT-s-OFDM 256QAM	1772.5	354500	15	75	0	23.65	24.5
CP-OFDM QPSK	1772.5	354500	15	1	0	23.66	24.5
CP-OFDM QPSK	1772.5	354500	15	1	78	23.66	24.5
CP-OFDM QPSK	1772.5	354500	15	39	19	23.7	24.5
CP-OFDM QPSK	1772.5	354500	15	79	0	23.62	24.5
CP-OFDM 16QAM	1772.5	354500	15	1	0	23.7	24.5
CP-OFDM 16QAM	1772.5	354500	15	1	78	23.69	24.5
CP-OFDM 16QAM	1772.5	354500	15	39	19	23.63	24.5
CP-OFDM 16QAM	1772.5	354500	15	79	0	23.62	24.5
CP-OFDM 64QAM	1772.5	354500	15	1	0	23.62	24.5
CP-OFDM 64QAM	1772.5	354500	15	1	78	23.66	24.5
CP-OFDM 64QAM	1772.5	354500	15	39	19	23.67	24.5
CP-OFDM 64QAM	1772.5	354500	15	79	0	23.63	24.5
CP-OFDM 256QAM	1772.5	354500	15	1	0	23.59	24.5
CP-OFDM 256QAM	1772.5	354500	15	1	78	23.58	24.5
CP-OFDM 256QAM	1772.5	354500	15	39	19	23.71	24.5
CP-OFDM 256QAM	1772.5	354500	15	79	0	23.63	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	1720	344000	20	1	0	23.87	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	1	105	23.76	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	50	25	23.84	24.5

DFT-s-OFDM PI/2 BPSK	1720	344000	20	100	0	23.82	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	1	0	23.88	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	1	105	23.77	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	50	25	23.86	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	100	0	23.86	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	1	0	23.66	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	1	105	23.62	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	50	25	23.62	24.5
DFT-s-OFDM PI/2 BPSK	1720	344000	20	100	0	23.71	24.5
DFT-s-OFDM QPSK	1720	344000	20	1	0	23.8	24.5
DFT-s-OFDM QPSK	1720	344000	20	1	105	23.82	24.5
DFT-s-OFDM QPSK	1720	344000	20	50	25	23.83	24.5
DFT-s-OFDM QPSK	1720	344000	20	100	0	23.92	24.5
DFT-s-OFDM QPSK	1720	344000	20	1	0	23.83	24.5
DFT-s-OFDM QPSK	1720	344000	20	1	105	23.84	24.5
DFT-s-OFDM QPSK	1720	344000	20	50	25	23.9	24.5
DFT-s-OFDM QPSK	1720	344000	20	100	0	23.9	24.5

DFT-s-OFDM QPSK	1720	344000	20	1	0	23.61	24.5
DFT-s-OFDM QPSK	1720	344000	20	1	105	23.61	24.5
DFT-s-OFDM QPSK	1720	344000	20	50	25	23.71	24.5
DFT-s-OFDM QPSK	1720	344000	20	100	0	23.62	24.5
DFT-s-OFDM 16QAM	1720	344000	20	1	0	23.84	24.5
DFT-s-OFDM 16QAM	1720	344000	20	1	105	23.85	24.5
DFT-s-OFDM 16QAM	1720	344000	20	50	25	23.81	24.5
DFT-s-OFDM 16QAM	1720	344000	20	100	0	23.8	24.5
DFT-s-OFDM 64QAM	1720	344000	20	1	0	23.78	24.5
DFT-s-OFDM 64QAM	1720	344000	20	1	105	23.79	24.5
DFT-s-OFDM 64QAM	1720	344000	20	50	25	23.83	24.5
DFT-s-OFDM 64QAM	1720	344000	20	100	0	23.82	24.5
DFT-s-OFDM 256QAM	1720	344000	20	1	0	23.75	24.5
DFT-s-OFDM 256QAM	1720	344000	20	1	105	23.78	24.5
DFT-s-OFDM 256QAM	1720	344000	20	50	25	23.92	24.5
DFT-s-OFDM 256QAM	1720	344000	20	100	0	23.92	24.5
CP-OFDM QPSK	1745	349000	20	1	0	23.85	24.5

CP-OFDM QPSK	1745	349000	20	1	105	23.84	24.5
CP-OFDM QPSK	1745	349000	20	53	26	23.9	24.5
CP-OFDM QPSK	1745	349000	20	106	0	23.83	24.5
CP-OFDM 16QAM	1745	349000	20	1	0	23.96	24.5
CP-OFDM 16QAM	1745	349000	20	1	105	23.99	24.5
CP-OFDM 16QAM	1745	349000	20	53	26	23.81	24.5
CP-OFDM 16QAM	1745	349000	20	106	0	23.81	24.5
CP-OFDM 64QAM	1745	349000	20	1	0	23.78	24.5
CP-OFDM 64QAM	1745	349000	20	1	105	23.76	24.5
CP-OFDM 64QAM	1745	349000	20	53	26	23.85	24.5
CP-OFDM 64QAM	1745	349000	20	106	0	23.92	24.5
CP-OFDM 256QAM	1745	349000	20	1	0	23.75	24.5
CP-OFDM 256QAM	1745	349000	20	1	105	23.78	24.5
CP-OFDM 256QAM	1745	349000	20	53	26	23.82	24.5
CP-OFDM 256QAM	1745	349000	20	106	0	23.92	24.5
DFT-s-OFDM 16QAM	1745	349000	20	1	0	23.87	24.5
DFT-s-OFDM 16QAM	1745	349000	20	1	105	23.88	24.5
DFT-s-OFDM 16QAM	1745	349000	20	50	25	23.88	24.5
DFT-s-OFDM 16QAM	1745	349000	20	100	0	23.91	24.5
DFT-s-OFDM 64QAM	1745	349000	20	1	0	23.81	24.5
DFT-s-OFDM 64QAM	1745	349000	20	1	105	23.83	24.5
DFT-s-OFDM 64QAM	1745	349000	20	50	25	23.89	24.5

DFT-s-OFDM 64QAM	1745	349000	20	100	0	23.87	24.5
DFT-s-OFDM 256QAM	1745	349000	20	1	0	23.77	24.5
DFT-s-OFDM 256QAM	1745	349000	20	1	105	23.8	24.5
DFT-s-OFDM 256QAM	1745	349000	20	50	25	23.88	24.5
DFT-s-OFDM 256QAM	1745	349000	20	100	0	23.87	24.5
CP-OFDM QPSK	1745	349000	20	1	0	23.85	24.5
CP-OFDM QPSK	1745	349000	20	1	105	23.97	24.5
CP-OFDM QPSK	1745	349000	20	53	26	23.88	24.5
CP-OFDM QPSK	1745	349000	20	106	0	23.87	24.5
CP-OFDM 16QAM	1745	349000	20	1	0	23.9	24.5
CP-OFDM 16QAM	1745	349000	20	1	105	23.99	24.5
CP-OFDM 16QAM	1745	349000	20	53	26	23.88	24.5
CP-OFDM 16QAM	1745	349000	20	106	0	23.95	24.5
CP-OFDM 64QAM	1770	354000	20	1	0	23.9	24.5
CP-OFDM 64QAM	1770	354000	20	1	105	23.8	24.5
CP-OFDM 64QAM	1770	354000	20	53	26	23.99	24.5
CP-OFDM 64QAM	1770	354000	20	106	0	23.88	24.5
CP-OFDM 256QAM	1770	354000	20	1	0	23.77	24.5
CP-OFDM 256QAM	1770	354000	20	1	105	23.82	24.5
CP-OFDM 256QAM	1770	354000	20	53	26	23.89	24.5
CP-OFDM 256QAM	1770	354000	20	106	0	23.87	24.5
DFT-s-OFDM 16QAM	1770	354000	20	1	0	23.73	24.5

DFT-s-OFDM 16QAM	1770	354000	20	1	105	23.7	24.5
DFT-s-OFDM 16QAM	1770	354000	20	50	25	23.66	24.5
DFT-s-OFDM 16QAM	1770	354000	20	100	0	23.72	24.5
DFT-s-OFDM 64QAM	1770	354000	20	1	0	23.68	24.5
DFT-s-OFDM 64QAM	1770	354000	20	1	105	23.64	24.5
DFT-s-OFDM 64QAM	1770	354000	20	50	25	23.64	24.5
DFT-s-OFDM 64QAM	1770	354000	20	100	0	23.71	24.5
DFT-s-OFDM 256QAM	1770	354000	20	1	0	23.66	24.5
DFT-s-OFDM 256QAM	1770	354000	20	1	105	23.61	24.5
DFT-s-OFDM 256QAM	1770	354000	20	50	25	23.69	24.5
DFT-s-OFDM 256QAM	1770	354000	20	100	0	23.71	24.5
CP-OFDM QPSK	1770	354000	20	1	0	23.72	24.5
CP-OFDM QPSK	1770	354000	20	1	105	23.69	24.5
CP-OFDM QPSK	1770	354000	20	53	26	23.71	24.5
CP-OFDM QPSK	1770	354000	20	106	0	23.62	24.5
CP-OFDM 16QAM	1770	354000	20	1	0	23.75	24.5
CP-OFDM 16QAM	1770	354000	20	1	105	23.65	24.5
CP-OFDM 16QAM	1770	354000	20	53	26	23.68	24.5
CP-OFDM 16QAM	1770	354000	20	106	0	23.68	24.5
CP-OFDM 64QAM	1770	354000	20	1	0	23.59	24.5

CP-OFDM 64QAM	1770	354000	20	1	105	23.63	24.5
CP-OFDM 64QAM	1770	354000	20	53	26	23.71	24.5
CP-OFDM 64QAM	1770	354000	20	106	0	23.62	24.5
CP-OFDM 256QAM	1770	354000	20	1	0	23.56	24.5
CP-OFDM 256QAM	1770	354000	20	1	105	23.55	24.5
CP-OFDM 256QAM	1770	354000	20	53	26	23.73	24.5
CP-OFDM 256QAM	1770	354000	20	106	0	23.7	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	1	0	23.69	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	1	132	23.68	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	64	32	23.58	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	128	0	23.66	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	1	0	23.78	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	1	132	23.54	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	64	32	23.72	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	128	0	23.87	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	1	0	23.45	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	1	132	23.29	24.5

DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	64	32	23.46	24.5
DFT-s-OFDM PI/2 BPSK	1722.5	344500	25	128	0	23.46	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	1	0	23.83	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	1	132	23.81	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	64	32	23.83	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	128	0	23.83	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	1	0	23.86	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	1	132	23.85	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	64	32	23.9	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	128	0	23.91	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	1	0	23.67	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	1	132	23.71	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	64	32	23.73	24.5
DFT-s-OFDM QPSK	1722.5	344500	25	128	0	23.64	24.5
DFT-s-OFDM 16QAM	1722.5	344500	25	1	0	23.85	24.5
DFT-s-OFDM 16QAM	1722.5	344500	25	1	132	23.93	24.5
DFT-s-OFDM 16QAM	1722.5	344500	25	64	32	23.82	24.5

DFT-s-OFDM 16QAM	1722.5	344500	25	128	0	23.81	24.5
DFT-s-OFDM 64QAM	1722.5	344500	25	1	0	23.75	24.5
DFT-s-OFDM 64QAM	1722.5	344500	25	1	132	23.86	24.5
DFT-s-OFDM 64QAM	1722.5	344500	25	64	32	23.83	24.5
DFT-s-OFDM 64QAM	1722.5	344500	25	128	0	23.77	24.5
DFT-s-OFDM 256QAM	1722.5	344500	25	1	0	23.63	24.5
DFT-s-OFDM 256QAM	1722.5	344500	25	1	132	23.68	24.5
DFT-s-OFDM 256QAM	1722.5	344500	25	64	32	23.56	24.5
DFT-s-OFDM 256QAM	1722.5	344500	25	128	0	23.63	24.5
CP-OFDM QPSK	1745	349000	25	1	0	23.87	24.5
CP-OFDM QPSK	1745	349000	25	1	132	23.91	24.5
CP-OFDM QPSK	1745	349000	25	67	33	23.88	24.5
CP-OFDM QPSK	1745	349000	25	133	0	23.8	24.5
CP-OFDM 16QAM	1745	349000	25	1	0	23.79	24.5
CP-OFDM 16QAM	1745	349000	25	1	132	23.91	24.5
CP-OFDM 16QAM	1745	349000	25	67	33	23.84	24.5
CP-OFDM 16QAM	1745	349000	25	133	0	23.78	24.5
CP-OFDM 64QAM	1745	349000	25	1	0	23.66	24.5
CP-OFDM 64QAM	1745	349000	25	1	132	23.75	24.5
CP-OFDM 64QAM	1745	349000	25	67	33	23.68	24.5
CP-OFDM 64QAM	1745	349000	25	133	0	23.7	24.5

CP-OFDM 256QAM	1745	349000	25	1	0	23.36	24.5
CP-OFDM 256QAM	1745	349000	25	1	132	23.83	24.5
CP-OFDM 256QAM	1745	349000	25	67	33	23.37	24.5
CP-OFDM 256QAM	1745	349000	25	133	0	23.45	24.5
DFT-s-OFDM 16QAM	1745	349000	25	1	0	23.92	24.5
DFT-s-OFDM 16QAM	1745	349000	25	1	132	23.88	24.5
DFT-s-OFDM 16QAM	1745	349000	25	64	32	23.87	24.5
DFT-s-OFDM 16QAM	1745	349000	25	128	0	23.91	24.5
DFT-s-OFDM 64QAM	1745	349000	25	1	0	23.84	24.5
DFT-s-OFDM 64QAM	1745	349000	25	1	132	23.82	24.5
DFT-s-OFDM 64QAM	1745	349000	25	64	32	23.87	24.5
DFT-s-OFDM 64QAM	1745	349000	25	128	0	23.87	24.5
DFT-s-OFDM 256QAM	1745	349000	25	1	0	23.66	24.5
DFT-s-OFDM 256QAM	1745	349000	25	1	132	23.87	24.5
DFT-s-OFDM 256QAM	1745	349000	25	64	32	23.75	24.5
DFT-s-OFDM 256QAM	1745	349000	25	128	0	23.89	24.5
CP-OFDM QPSK	1745	349000	25	1	0	23.88	24.5
CP-OFDM QPSK	1745	349000	25	1	132	23.86	24.5
CP-OFDM QPSK	1745	349000	25	67	33	23.88	24.5

CP-OFDM QPSK	1745	349000	25	133	0	23.91	24.5
CP-OFDM 16QAM	1745	349000	25	1	0	23.89	24.5
CP-OFDM 16QAM	1745	349000	25	1	132	23.87	24.5
CP-OFDM 16QAM	1745	349000	25	67	33	23.94	24.5
CP-OFDM 16QAM	1745	349000	25	133	0	23.85	24.5
CP-OFDM 64QAM	1767.5	353500	25	1	0	23.89	24.5
CP-OFDM 64QAM	1767.5	353500	25	1	132	23.83	24.5
CP-OFDM 64QAM	1767.5	353500	25	67	33	23.87	24.5
CP-OFDM 64QAM	1767.5	353500	25	133	0	23.84	24.5
CP-OFDM 256QAM	1767.5	353500	25	1	0	23.79	24.5
CP-OFDM 256QAM	1767.5	353500	25	1	132	23.46	24.5
CP-OFDM 256QAM	1767.5	353500	25	67	33	23.51	24.5
CP-OFDM 256QAM	1767.5	353500	25	133	0	23.56	24.5
DFT-s-OFDM 16QAM	1767.5	353500	25	1	0	23.73	24.5
DFT-s-OFDM 16QAM	1767.5	353500	25	1	132	23.68	24.5
DFT-s-OFDM 16QAM	1767.5	353500	25	64	32	23.72	24.5
DFT-s-OFDM 16QAM	1767.5	353500	25	128	0	23.74	24.5
DFT-s-OFDM 64QAM	1767.5	353500	25	1	0	23.63	24.5
DFT-s-OFDM 64QAM	1767.5	353500	25	1	132	23.43	24.5
DFT-s-OFDM 64QAM	1767.5	353500	25	64	32	23.63	24.5
DFT-s-OFDM 64QAM	1767.5	353500	25	128	0	23.65	24.5

DFT-s-OFDM 256QAM	1767.5	353500	25	1	0	23.7	24.5
DFT-s-OFDM 256QAM	1767.5	353500	25	1	132	23.28	24.5
DFT-s-OFDM 256QAM	1767.5	353500	25	64	32	23.46	24.5
DFT-s-OFDM 256QAM	1767.5	353500	25	128	0	23.45	24.5
CP-OFDM QPSK	1767.5	353500	25	1	0	23.61	24.5
CP-OFDM QPSK	1767.5	353500	25	1	132	23.4	24.5
CP-OFDM QPSK	1767.5	353500	25	67	33	23.74	24.5
CP-OFDM QPSK	1767.5	353500	25	133	0	23.63	24.5
CP-OFDM 16QAM	1767.5	353500	25	1	0	23.53	24.5
CP-OFDM 16QAM	1767.5	353500	25	1	132	23.49	24.5
CP-OFDM 16QAM	1767.5	353500	25	67	33	23.61	24.5
CP-OFDM 16QAM	1767.5	353500	25	133	0	23.61	24.5
CP-OFDM 64QAM	1767.5	353500	25	1	0	23.49	24.5
CP-OFDM 64QAM	1767.5	353500	25	1	132	23.36	24.5
CP-OFDM 64QAM	1767.5	353500	25	67	33	23.57	24.5
CP-OFDM 64QAM	1767.5	353500	25	133	0	23.53	24.5
CP-OFDM 256QAM	1767.5	353500	25	1	0	23.68	24.5
CP-OFDM 256QAM	1767.5	353500	25	1	132	23.04	24.5
CP-OFDM 256QAM	1767.5	353500	25	67	33	23.24	24.5
CP-OFDM 256QAM	1767.5	353500	25	133	0	23.19	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)

DFT-s-OFDM PI/2 BPSK	1725	345000	30	1	0	23.78	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	1	159	23.77	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	80	40	23.64	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	160	0	23.7	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	1	0	23.72	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	1	159	23.61	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	80	40	23.79	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	160	0	23.69	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	1	0	23.48	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	1	159	23.26	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	80	40	23.45	24.5
DFT-s-OFDM PI/2 BPSK	1725	345000	30	160	0	23.5	24.5
DFT-s-OFDM QPSK	1725	345000	30	1	0	23.87	24.5
DFT-s-OFDM QPSK	1725	345000	30	1	159	23.81	24.5
DFT-s-OFDM QPSK	1725	345000	30	80	40	23.93	24.5
DFT-s-OFDM QPSK	1725	345000	30	160	0	23.82	24.5
DFT-s-OFDM QPSK	1725	345000	30	1	0	23.77	24.5

DFT-s-OFDM QPSK	1725	345000	30	1	159	23.7	24.5
DFT-s-OFDM QPSK	1725	345000	30	80	40	23.71	24.5
DFT-s-OFDM QPSK	1725	345000	30	160	0	23.72	24.5
DFT-s-OFDM QPSK	1725	345000	30	1	0	23.74	24.5
DFT-s-OFDM QPSK	1725	345000	30	1	159	23.65	24.5
DFT-s-OFDM QPSK	1725	345000	30	80	40	23.75	24.5
DFT-s-OFDM QPSK	1725	345000	30	160	0	23.73	24.5
DFT-s-OFDM 16QAM	1725	345000	30	1	0	23.88	24.5
DFT-s-OFDM 16QAM	1725	345000	30	1	159	23.9	24.5
DFT-s-OFDM 16QAM	1725	345000	30	80	40	23.85	24.5
DFT-s-OFDM 16QAM	1725	345000	30	160	0	23.87	24.5
DFT-s-OFDM 64QAM	1725	345000	30	1	0	23.78	24.5
DFT-s-OFDM 64QAM	1725	345000	30	1	159	23.84	24.5
DFT-s-OFDM 64QAM	1725	345000	30	80	40	23.86	24.5
DFT-s-OFDM 64QAM	1725	345000	30	160	0	23.83	24.5
DFT-s-OFDM 256QAM	1725	345000	30	1	0	23.79	24.5
DFT-s-OFDM 256QAM	1725	345000	30	1	159	23.82	24.5

DFT-s-OFDM 256QAM	1725	345000	30	80	40	23.57	24.5
DFT-s-OFDM 256QAM	1725	345000	30	160	0	23.72	24.5
CP-OFDM QPSK	1745	349000	30	1	0	23.79	24.5
CP-OFDM QPSK	1745	349000	30	1	159	23.93	24.5
CP-OFDM QPSK	1745	349000	30	80	40	23.87	24.5
CP-OFDM QPSK	1745	349000	30	160	0	23.79	24.5
CP-OFDM 16QAM	1745	349000	30	1	0	23.78	24.5
CP-OFDM 16QAM	1745	349000	30	1	159	23.91	24.5
CP-OFDM 16QAM	1745	349000	30	80	40	23.84	24.5
CP-OFDM 16QAM	1745	349000	30	160	0	23.8	24.5
CP-OFDM 64QAM	1745	349000	30	1	0	23.63	24.5
CP-OFDM 64QAM	1745	349000	30	1	159	23.87	24.5
CP-OFDM 64QAM	1745	349000	30	80	40	23.86	24.5
CP-OFDM 64QAM	1745	349000	30	160	0	23.71	24.5
CP-OFDM 256QAM	1745	349000	30	1	0	23.35	24.5
CP-OFDM 256QAM	1745	349000	30	1	159	23.83	24.5
CP-OFDM 256QAM	1745	349000	30	80	40	23.47	24.5
CP-OFDM 256QAM	1745	349000	30	160	0	23.48	24.5
DFT-s-OFDM 16QAM	1745	349000	30	1	0	23.7	24.5
DFT-s-OFDM 16QAM	1745	349000	30	1	159	23.73	24.5
DFT-s-OFDM 16QAM	1745	349000	30	80	40	23.77	24.5
DFT-s-OFDM 16QAM	1745	349000	30	160	0	23.78	24.5

DFT-s-OFDM 64QAM	1745	349000	30	1	0	23.62	24.5
DFT-s-OFDM 64QAM	1745	349000	30	1	159	23.67	24.5
DFT-s-OFDM 64QAM	1745	349000	30	80	40	23.7	24.5
DFT-s-OFDM 64QAM	1745	349000	30	160	0	23.7	24.5
DFT-s-OFDM 256QAM	1745	349000	30	1	0	23.64	24.5
DFT-s-OFDM 256QAM	1745	349000	30	1	159	23.64	24.5
DFT-s-OFDM 256QAM	1745	349000	30	80	40	23.72	24.5
DFT-s-OFDM 256QAM	1745	349000	30	160	0	23.71	24.5
CP-OFDM QPSK	1745	349000	30	1	0	23.69	24.5
CP-OFDM QPSK	1745	349000	30	1	159	23.83	24.5
CP-OFDM QPSK	1745	349000	30	80	40	23.7	24.5
CP-OFDM QPSK	1745	349000	30	160	0	23.69	24.5
CP-OFDM 16QAM	1745	349000	30	1	0	23.81	24.5
CP-OFDM 16QAM	1745	349000	30	1	159	23.76	24.5
CP-OFDM 16QAM	1745	349000	30	80	40	23.77	24.5
CP-OFDM 16QAM	1745	349000	30	160	0	23.79	24.5
CP-OFDM 64QAM	1765	353000	30	1	0	23.63	24.5
CP-OFDM 64QAM	1765	353000	30	1	159	23.64	24.5
CP-OFDM 64QAM	1765	353000	30	80	40	23.6	24.5
CP-OFDM 64QAM	1765	353000	30	160	0	23.75	24.5
CP-OFDM 256QAM	1765	353000	30	1	0	23.62	24.5

CP-OFDM 256QAM	1765	353000	30	1	159	23.43	24.5
CP-OFDM 256QAM	1765	353000	30	80	40	23.32	24.5
CP-OFDM 256QAM	1765	353000	30	160	0	23.38	24.5
DFT-s-OFDM 16QAM	1765	353000	30	1	0	23.77	24.5
DFT-s-OFDM 16QAM	1765	353000	30	1	159	23.68	24.5
DFT-s-OFDM 16QAM	1765	353000	30	80	40	23.68	24.5
DFT-s-OFDM 16QAM	1765	353000	30	160	0	23.71	24.5
DFT-s-OFDM 64QAM	1765	353000	30	1	0	23.64	24.5
DFT-s-OFDM 64QAM	1765	353000	30	1	159	23.49	24.5
DFT-s-OFDM 64QAM	1765	353000	30	80	40	23.7	24.5
DFT-s-OFDM 64QAM	1765	353000	30	160	0	23.63	24.5
DFT-s-OFDM 256QAM	1765	353000	30	1	0	23.66	24.5
DFT-s-OFDM 256QAM	1765	353000	30	1	159	23.21	24.5
DFT-s-OFDM 256QAM	1765	353000	30	80	40	23.43	24.5
DFT-s-OFDM 256QAM	1765	353000	30	160	0	23.49	24.5
CP-OFDM QPSK	1765	353000	30	1	0	23.53	24.5
CP-OFDM QPSK	1765	353000	30	1	159	23.46	24.5
CP-OFDM QPSK	1765	353000	30	80	40	23.69	24.5
CP-OFDM QPSK	1765	353000	30	160	0	23.61	24.5

CP-OFDM 16QAM	1765	353000	30	1	0	23.63	24.5
CP-OFDM 16QAM	1765	353000	30	1	159	23.48	24.5
CP-OFDM 16QAM	1765	353000	30	80	40	23.68	24.5
CP-OFDM 16QAM	1765	353000	30	160	0	23.68	24.5
CP-OFDM 64QAM	1765	353000	30	1	0	23.46	24.5
CP-OFDM 64QAM	1765	353000	30	1	159	23.35	24.5
CP-OFDM 64QAM	1765	353000	30	80	40	23.7	24.5
CP-OFDM 64QAM	1765	353000	30	160	0	23.48	24.5
CP-OFDM 256QAM	1765	353000	30	1	0	23.66	24.5
CP-OFDM 256QAM	1765	353000	30	1	159	23.11	24.5
CP-OFDM 256QAM	1765	353000	30	80	40	23.27	24.5
CP-OFDM 256QAM	1765	353000	30	160	0	23.26	24.5

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)	Tune up (dBm)
DFT-s-OFDM PI/2 BPSK	1730	346000	40	1	0	23.73	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	1	215	23.64	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	108	54	23.64	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	216	0	23.67	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	1	0	23.94	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	1	215	23.83	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	108	54	23.76	24.5

DFT-s-OFDM PI/2 BPSK	1730	346000	40	216	0	23.73	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	1	0	23.72	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	1	215	23.55	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	108	54	23.42	24.5
DFT-s-OFDM PI/2 BPSK	1730	346000	40	216	0	23.54	24.5
DFT-s-OFDM QPSK	1730	346000	40	1	0	23.73	24.5
DFT-s-OFDM QPSK	1730	346000	40	1	215	23.87	24.5
DFT-s-OFDM QPSK	1730	346000	40	108	54	23.88	24.5
DFT-s-OFDM QPSK	1730	346000	40	216	0	23.86	24.5
DFT-s-OFDM QPSK	1730	346000	40	1	0	23.84	24.5
DFT-s-OFDM QPSK	1730	346000	40	1	215	23.88	24.5
DFT-s-OFDM QPSK	1730	346000	40	108	54	23.93	24.5
DFT-s-OFDM QPSK	1730	346000	40	216	0	23.93	24.5
DFT-s-OFDM QPSK	1730	346000	40	1	0	23.69	24.5
DFT-s-OFDM QPSK	1730	346000	40	1	215	23.67	24.5
DFT-s-OFDM QPSK	1730	346000	40	108	54	23.72	24.5
DFT-s-OFDM QPSK	1730	346000	40	216	0	23.68	24.5

DFT-s-OFDM 16QAM	1730	346000	40	1	0	23.84	24.5
DFT-s-OFDM 16QAM	1730	346000	40	1	215	23.98	24.5
DFT-s-OFDM 16QAM	1730	346000	40	108	54	23.81	24.5
DFT-s-OFDM 16QAM	1730	346000	40	216	0	23.92	24.5
DFT-s-OFDM 64QAM	1730	346000	40	1	0	23.85	24.5
DFT-s-OFDM 64QAM	1730	346000	40	1	215	23.82	24.5
DFT-s-OFDM 64QAM	1730	346000	40	108	54	23.85	24.5
DFT-s-OFDM 64QAM	1730	346000	40	216	0	23.91	24.5
DFT-s-OFDM 256QAM	1730	346000	40	1	0	23.76	24.5
DFT-s-OFDM 256QAM	1730	346000	40	1	215	23.58	24.5
DFT-s-OFDM 256QAM	1730	346000	40	108	54	23.66	24.5
DFT-s-OFDM 256QAM	1730	346000	40	216	0	23.69	24.5
CP-OFDM QPSK	1745	349000	40	1	0	23.84	24.5
CP-OFDM QPSK	1745	349000	40	1	215	23.91	24.5
CP-OFDM QPSK	1745	349000	40	108	54	23.86	24.5
CP-OFDM QPSK	1745	349000	40	216	0	23.77	24.5
CP-OFDM 16QAM	1745	349000	40	1	0	23.85	24.5
CP-OFDM 16QAM	1745	349000	40	1	215	23.89	24.5
CP-OFDM 16QAM	1745	349000	40	108	54	23.93	24.5

CP-OFDM 16QAM	1745	349000	40	216	0	23.89	24.5
CP-OFDM 64QAM	1745	349000	40	1	0	23.7	24.5
CP-OFDM 64QAM	1745	349000	40	1	215	23.66	24.5
CP-OFDM 64QAM	1745	349000	40	108	54	23.82	24.5
CP-OFDM 64QAM	1745	349000	40	216	0	23.72	24.5
CP-OFDM 256QAM	1745	349000	40	1	0	23.34	24.5
CP-OFDM 256QAM	1745	349000	40	1	215	23.79	24.5
CP-OFDM 256QAM	1745	349000	40	108	54	23.49	24.5
CP-OFDM 256QAM	1745	349000	40	216	0	23.47	24.5
DFT-s-OFDM 16QAM	1745	349000	40	1	0	23.87	24.5
DFT-s-OFDM 16QAM	1745	349000	40	1	215	23.87	24.5
DFT-s-OFDM 16QAM	1745	349000	40	108	54	23.89	24.5
DFT-s-OFDM 16QAM	1745	349000	40	216	0	23.91	24.5
DFT-s-OFDM 64QAM	116.15	23230	40	1	0	23.82	24.5
DFT-s-OFDM 64QAM	116.15	23230	40	1	215	23.8	24.5
DFT-s-OFDM 64QAM	1745	349000	40	108	54	23.88	24.5
DFT-s-OFDM 64QAM	1745	349000	40	216	0	23.89	24.5
DFT-s-OFDM 256QAM	1745	349000	40	1	0	23.7	24.5
DFT-s-OFDM 256QAM	1745	349000	40	1	215	23.7	24.5
DFT-s-OFDM 256QAM	1745	349000	40	108	54	23.83	24.5

DFT-s-OFDM 256QAM	1745	349000	40	216	0	23.89	24.5
CP-OFDM QPSK	1745	349000	40	1	0	23.86	24.5
CP-OFDM QPSK	1745	349000	40	1	215	23.86	24.5
CP-OFDM QPSK	1745	349000	40	108	54	23.88	24.5
CP-OFDM QPSK	1745	349000	40	216	0	23.89	24.5
CP-OFDM 16QAM	1745	349000	40	1	0	23.81	24.5
CP-OFDM 16QAM	1745	349000	40	1	215	23.94	24.5
CP-OFDM 16QAM	1745	349000	40	108	54	23.9	24.5
CP-OFDM 16QAM	1745	349000	40	216	0	23.87	24.5
CP-OFDM 64QAM	1760	352000	40	1	0	23.78	24.5
CP-OFDM 64QAM	1760	352000	40	1	215	23.82	24.5
CP-OFDM 64QAM	1760	352000	40	108	54	23.87	24.5
CP-OFDM 64QAM	1760	352000	40	216	0	23.88	24.5
CP-OFDM 256QAM	1760	352000	40	1	0	23.81	24.5
CP-OFDM 256QAM	1760	352000	40	1	215	23.82	24.5
CP-OFDM 256QAM	1760	352000	40	108	54	23.91	24.5
CP-OFDM 256QAM	1760	352000	40	216	0	23.73	24.5
DFT-s-OFDM 16QAM	1760	352000	40	1	0	23.7	24.5
DFT-s-OFDM 16QAM	1760	352000	40	1	215	23.7	24.5
DFT-s-OFDM 16QAM	1760	352000	40	108	54	23.68	24.5
DFT-s-OFDM 16QAM	1760	352000	40	216	0	23.7	24.5
DFT-s-OFDM 64QAM	1760	352000	40	1	0	23.66	24.5

DFT-s-OFDM 64QAM	1760	352000	40	1	215	23.61	24.5
DFT-s-OFDM 64QAM	1760	352000	40	108	54	23.68	24.5
DFT-s-OFDM 64QAM	1760	352000	40	216	0	23.76	24.5
DFT-s-OFDM 256QAM	1760	352000	40	1	0	23.62	24.5
DFT-s-OFDM 256QAM	1760	352000	40	1	215	23.58	24.5
DFT-s-OFDM 256QAM	1760	352000	40	108	54	23.54	24.5
DFT-s-OFDM 256QAM	1760	352000	40	216	0	23.49	24.5
CP-OFDM QPSK	1760	352000	40	1	0	23.71	24.5
CP-OFDM QPSK	1760	352000	40	1	215	23.66	24.5
CP-OFDM QPSK	1760	352000	40	108	54	23.65	24.5
CP-OFDM QPSK	1760	352000	40	216	0	23.77	24.5
CP-OFDM 16QAM	1760	352000	40	1	0	23.81	24.5
CP-OFDM 16QAM	1760	352000	40	1	215	23.8	24.5
CP-OFDM 16QAM	1760	352000	40	108	54	23.7	24.5
CP-OFDM 16QAM	1760	352000	40	216	0	23.75	24.5
CP-OFDM 64QAM	1760	352000	40	1	0	23.72	24.5
CP-OFDM 64QAM	1760	352000	40	1	215	23.67	24.5
CP-OFDM 64QAM	1760	352000	40	108	54	23.68	24.5
CP-OFDM 64QAM	1760	352000	40	216	0	23.72	24.5
CP-OFDM 256QAM	1760	352000	40	1	0	23.6	24.5
CP-OFDM 256QAM	1760	352000	40	1	215	23.6	24.5
CP-OFDM 256QAM	1760	352000	40	108	54	23.27	24.5

CP-OFDM 256QAM	1760	352000	40	216	0	23.26	24.5

6.2.5 Bluetooth

Note: Exclusion method based on TUNE UP is not applied for the BT, SRTC perform SAR measurement.

SISO1

BT

ANT4

Modulation type	Conducted Average Power(dBm)			Tune up (dBm)
	2402MHz	2441MHz	2480MHz	
GFSK(DH5)	13.96	13.73	12.28	14.00
π/4DQPSK(2DH5)	12.77	12.47	13.10	14.00
8DPSK(3DH5)	13.10	12.98	12.44	14.00

ANT8

Modulation type	Conducted Average Power(dBm)			Tune up (dBm)
	2402MHz	2441MHz	2480MHz	
GFSK(DH5)	12.75	12.54	12.03	14.00
π/4DQPSK(2DH5)	12.09	12.24	12.84	14.00
8DPSK(3DH5)	12.04	12.02	12.69	14.00

BLE

ANT4

Modulation type	Conducted Average Power(dBm)			Tune-up
	2402MHz	2440MHz	2480MHz	
GFSK (LE 1Mbps)	5.28	5.24	5.48	7.00
GFSK (LE 2Mbps)	5.09	5.42	5.07	7.00

ANT8

Modulation type	Conducted Average Power(dBm)			Tune-up
	2402MHz	2440MHz	2480MHz	
GFSK (LE 1Mbps)	5.49	5.89	5.47	7.00
GFSK (LE 2Mbps)	5.96	5.96	5.82	7.00

6.2.6 WIFI

Note: Exclusion method based on TUNE UP is not applied for the WIFI, SRTC perform SAR measurement.

Unlicensed Full Power

WLAN 2.4GHz

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Average power output (dBm)	Tune up (dBm)
802.11b	NA	2412	Chain0	10.52	12
802.11b	NA	2412	Chain1	10.28	12
802.11b	NA	2437	Chain0	10.87	12
802.11b	NA	2437	Chain1	10.62	12
802.11b	NA	2462	Chain0	10.65	12
802.11b	NA	2462	Chain1	10.36	12
802.11g	NA	2412	Chain0	10.28	12
802.11g	NA	2412	Chain1	10.42	12
802.11g	NA	2437	Chain0	10.19	12
802.11g	NA	2437	Chain1	10.16	12
802.11g	NA	2462	Chain0	10.39	12
802.11g	NA	2462	Chain1	10.26	12
802.11n HT20	NA	2412	Chain0	10.73	12
802.11n HT20	NA	2412	Chain1	10.81	12
802.11n HT20	NA	2412	MIMO	13.46	15
802.11n HT20	NA	2437	Chain0	10.42	12
802.11n HT20	NA	2437	Chain1	10.28	12
802.11n HT20	NA	2437	MIMO	13.45	15
802.11n HT20	NA	2462	Chain0	10.81	12
802.11n HT20	NA	2462	Chain1	10.67	12
802.11n HT20	NA	2462	MIMO	13.54	15
802.11n HT40	NA	2422	Chain0	10.72	12
802.11n HT40	NA	2422	Chain1	10.66	12
802.11n HT40	NA	2422	MIMO	13.34	15
802.11n HT40	NA	2437	Chain0	10.68	12

802.11n HT40	NA	2437	Chain1	10.27	12
802.11n HT40	NA	2437	MIMO	13.28	15
802.11n HT40	NA	2452	Chain0	10.77	12
802.11n HT40	NA	2452	Chain1	10.49	12
802.11n HT40	NA	2452	MIMO	13.60	15

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Average power output (dBm)	Tune up (dBm)
802.11ax HE20	26T+0	2412	Chain0	2.21	3
802.11ax HE20	26T+0	2412	Chain1	2.10	3
802.11ax HE20	26T+0	2412	MIMO	5.17	6
802.11ax HE20	26T+0	2437	Chain0	2.65	3
802.11ax HE20	26T+0	2437	Chain1	2.57	3
802.11ax HE20	26T+0	2437	MIMO	5.62	6
802.11ax HE20	26T+0	2462	Chain0	2.98	3
802.11ax HE20	26T+0	2462	Chain1	2.57	3
802.11ax HE20	26T+0	2462	MIMO	5.79	6
802.11ax HE20	26T+4	2412	Chain0	1.89	3
802.11ax HE20	26T+4	2412	Chain1	2.07	3
802.11ax HE20	26T+4	2412	MIMO	4.99	6
802.11ax HE20	26T+4	2437	Chain0	2.52	3
802.11ax HE20	26T+4	2437	Chain1	2.60	3
802.11ax HE20	26T+4	2437	MIMO	5.57	6
802.11ax HE20	26T+4	2462	Chain0	2.80	3
802.11ax HE20	26T+4	2462	Chain1	2.77	3
802.11ax HE20	26T+4	2462	MIMO	5.80	6
802.11ax HE20	26T+8	2412	Chain0	2.08	3
802.11ax HE20	26T+8	2412	Chain1	1.99	3
802.11ax HE20	26T+8	2412	MIMO	5.05	6
802.11ax HE20	26T+8	2437	Chain0	2.71	3
802.11ax HE20	26T+8	2437	Chain1	2.65	3

802.11ax HE20	26T+8	2437	MIMO	5.69	6
802.11ax HE20	26T+8	2462	Chain0	2.82	3
802.11ax HE20	26T+8	2462	Chain1	2.67	3
802.11ax HE20	26T+8	2462	MIMO	5.76	6
802.11ax HE20	52T+37	2412	Chain0	5.01	6
802.11ax HE20	52T+37	2412	Chain1	5.03	6
802.11ax HE20	52T+37	2412	MIMO	8.03	9
802.11ax HE20	52T+37	2437	Chain0	4.17	6
802.11ax HE20	52T+37	2437	Chain1	4.19	6
802.11ax HE20	52T+37	2437	MIMO	7.19	9
802.11ax HE20	52T+37	2462	Chain0	5.08	6
802.11ax HE20	52T+37	2462	Chain1	5.09	6
802.11ax HE20	52T+37	2462	MIMO	8.10	9
802.11ax HE20	52T+39	2412	Chain0	5.05	6
802.11ax HE20	52T+39	2412	Chain1	5.09	6
802.11ax HE20	52T+39	2412	MIMO	8.08	9
802.11ax HE20	52T+39	2437	Chain0	4.43	6
802.11ax HE20	52T+39	2437	Chain1	4.33	6
802.11ax HE20	52T+39	2437	MIMO	7.39	9
802.11ax HE20	52T+39	2462	Chain0	5.25	6
802.11ax HE20	52T+39	2462	Chain1	5.10	6
802.11ax HE20	52T+39	2462	MIMO	8.19	9
802.11ax HE20	52T+40	2412	Chain0	5.02	6
802.11ax HE20	52T+40	2412	Chain1	6.17	6
802.11ax HE20	52T+40	2412	MIMO	8.64	9
802.11ax HE20	52T+40	2437	Chain0	4.30	6
802.11ax HE20	52T+40	2437	Chain1	4.29	6
802.11ax HE20	52T+40	2437	MIMO	7.31	9
802.11ax HE20	52T+40	2462	Chain0	4.84	6
802.11ax HE20	52T+40	2462	Chain1	5.07	6
802.11ax HE20	52T+40	2462	MIMO	7.97	9
802.11ax HE20	106T+53	2412	Chain0	7.94	8

802.11ax HE20	106T+53	2412	Chain1	7.11	8
802.11ax HE20	106T+53	2412	MIMO	10.56	11
802.11ax HE20	106T+53	2437	Chain0	6.56	8
802.11ax HE20	106T+53	2437	Chain1	6.35	8
802.11ax HE20	106T+53	2437	MIMO	9.47	11
802.11ax HE20	106T+53	2462	Chain0	7.77	8
802.11ax HE20	106T+53	2462	Chain1	7.72	8
802.11ax HE20	106T+53	2462	MIMO	10.76	11
802.11ax HE20	106T+54	2412	Chain0	6.85	8
802.11ax HE20	106T+54	2412	Chain1	6.98	8
802.11ax HE20	106T+54	2412	MIMO	9.93	11
802.11ax HE20	106T+54	2437	Chain0	6.46	8
802.11ax HE20	106T+54	2437	Chain1	6.38	8
802.11ax HE20	106T+54	2437	MIMO	9.43	11
802.11ax HE20	106T+54	2462	Chain0	7.83	8
802.11ax HE20	106T+54	2462	Chain1	7.66	8
802.11ax HE20	106T+54	2462	MIMO	10.76	11
802.11ax HE20	242T+61	2412	Chain0	11.20	12
802.11ax HE20	242T+61	2412	Chain1	8.67	10
802.11ax HE20	242T+61	2412	MIMO	13.13	14.1
802.11ax HE20	242T+61	2437	Chain0	11.02	12
802.11ax HE20	242T+61	2437	Chain1	8.48	10
802.11ax HE20	242T+61	2437	MIMO	12.94	14.1
802.11ax HE20	242T+61	2462	Chain0	11.04	12
802.11ax HE20	242T+61	2462	Chain1	8.41	10
802.11ax HE20	242T+61	2462	MIMO	12.93	14.1
802.11ax HE40	26T+0	2422	Chain0	1.99	3
802.11ax HE40	26T+0	2422	Chain1	1.98	3
802.11ax HE40	26T+0	2422	MIMO	5.00	6
802.11ax HE40	26T+0	2437	Chain0	1.99	3
802.11ax HE40	26T+0	2437	Chain1	2.03	3
802.11ax HE40	26T+0	2437	MIMO	5.02	6

802.11ax HE40	26T+0	2452	Chain0	1.93	3
802.11ax HE40	26T+0	2452	Chain1	2.23	3
802.11ax HE40	26T+0	2452	MIMO	5.09	6
802.11ax HE40	26T+10	2422	Chain0	1.72	3
802.11ax HE40	26T+10	2422	Chain1	1.77	3
802.11ax HE40	26T+10	2422	MIMO	4.76	6
802.11ax HE40	26T+10	2437	Chain0	1.95	3
802.11ax HE40	26T+10	2437	Chain1	2.06	3
802.11ax HE40	26T+10	2437	MIMO	5.02	6
802.11ax HE40	26T+10	2452	Chain0	2.00	3
802.11ax HE40	26T+10	2452	Chain1	2.09	3
802.11ax HE40	26T+10	2452	MIMO	5.06	6
802.11ax HE40	26T+17	2422	Chain0	2.06	3
802.11ax HE40	26T+17	2422	Chain1	2.06	3
802.11ax HE40	26T+17	2422	MIMO	5.07	6
802.11ax HE40	26T+17	2437	Chain0	1.66	3
802.11ax HE40	26T+17	2437	Chain1	2.12	3
802.11ax HE40	26T+17	2437	MIMO	4.91	6
802.11ax HE40	26T+17	2452	Chain0	2.13	3
802.11ax HE40	26T+17	2452	Chain1	2.05	3
802.11ax HE40	26T+17	2452	MIMO	5.10	6
802.11ax HE40	52T+37	2422	Chain0	5.60	6
802.11ax HE40	52T+37	2422	Chain1	5.53	6
802.11ax HE40	52T+37	2422	MIMO	8.58	9
802.11ax HE40	52T+37	2437	Chain0	5.20	6
802.11ax HE40	52T+37	2437	Chain1	5.29	6
802.11ax HE40	52T+37	2437	MIMO	8.26	9
802.11ax HE40	52T+37	2452	Chain0	5.04	6
802.11ax HE40	52T+37	2452	Chain1	4.90	6
802.11ax HE40	52T+37	2452	MIMO	7.98	9
802.11ax HE40	52T+41	2422	Chain0	5.56	6
802.11ax HE40	52T+41	2422	Chain1	5.61	6

802.11ax HE40	52T+41	2422	MIMO	8.60	9
802.11ax HE40	52T+41	2437	Chain0	5.04	6
802.11ax HE40	52T+41	2437	Chain1	5.09	6
802.11ax HE40	52T+41	2437	MIMO	8.08	9
802.11ax HE40	52T+41	2452	Chain0	5.09	6
802.11ax HE40	52T+41	2452	Chain1	5.08	6
802.11ax HE40	52T+41	2452	MIMO	8.10	9
802.11ax HE40	52T+44	2422	Chain0	5.65	6
802.11ax HE40	52T+44	2422	Chain1	5.46	6
802.11ax HE40	52T+44	2422	MIMO	8.57	9
802.11ax HE40	52T+44	2437	Chain0	5.11	6
802.11ax HE40	52T+44	2437	Chain1	5.21	6
802.11ax HE40	52T+44	2437	MIMO	8.17	9
802.11ax HE40	52T+44	2452	Chain0	5.10	6
802.11ax HE40	52T+44	2452	Chain1	5.04	6
802.11ax HE40	52T+44	2452	MIMO	8.08	9
802.11ax HE40	106T+53	2422	Chain0	6.60	8
802.11ax HE40	106T+53	2422	Chain1	6.59	8
802.11ax HE40	106T+53	2422	MIMO	9.61	11
802.11ax HE40	106T+53	2437	Chain0	6.43	8
802.11ax HE40	106T+53	2437	Chain1	6.36	8
802.11ax HE40	106T+53	2437	MIMO	9.41	11
802.11ax HE40	106T+53	2452	Chain0	7.39	8
802.11ax HE40	106T+53	2452	Chain1	7.46	8
802.11ax HE40	106T+53	2452	MIMO	10.44	11
802.11ax HE40	106T+55	2422	Chain0	6.52	8
802.11ax HE40	106T+55	2422	Chain1	6.64	8
802.11ax HE40	106T+55	2422	MIMO	9.59	11
802.11ax HE40	106T+55	2437	Chain0	6.35	8
802.11ax HE40	106T+55	2437	Chain1	6.38	8
802.11ax HE40	106T+55	2437	MIMO	9.38	11
802.11ax HE40	106T+55	2452	Chain0	7.29	8

802.11ax HE40	106T+55	2452	Chain1	7.44	8
802.11ax HE40	106T+55	2452	MIMO	10.38	11
802.11ax HE40	106T+56	2422	Chain0	6.48	8
802.11ax HE40	106T+56	2422	Chain1	6.64	8
802.11ax HE40	106T+56	2422	MIMO	9.57	11
802.11ax HE40	106T+56	2437	Chain0	6.50	8
802.11ax HE40	106T+56	2437	Chain1	6.54	8
802.11ax HE40	106T+56	2437	MIMO	9.53	11
802.11ax HE40	106T+56	2452	Chain0	7.42	8
802.11ax HE40	106T+56	2452	Chain1	7.37	8
802.11ax HE40	106T+56	2452	MIMO	10.41	11
802.11ax HE40	242T+61	2422	Chain0	6.26	8
802.11ax HE40	242T+61	2422	Chain1	6.29	8
802.11ax HE40	242T+61	2422	MIMO	9.29	11
802.11ax HE40	242T+61	2437	Chain0	6.56	8
802.11ax HE40	242T+61	2437	Chain1	6.60	8
802.11ax HE40	242T+61	2437	MIMO	9.59	11
802.11ax HE40	242T+61	2452	Chain0	6.52	8
802.11ax HE40	242T+61	2452	Chain1	6.44	8
802.11ax HE40	242T+61	2452	MIMO	9.49	11
802.11ax HE40	242T+62	2422	Chain0	6.10	8
802.11ax HE40	242T+62	2422	Chain1	6.29	8
802.11ax HE40	242T+62	2422	MIMO	9.21	11
802.11ax HE40	242T+62	2437	Chain0	6.50	8
802.11ax HE40	242T+62	2437	Chain1	6.56	8
802.11ax HE40	242T+62	2437	MIMO	9.54	11
802.11ax HE40	242T+62	2452	Chain0	6.44	8
802.11ax HE40	242T+62	2452	Chain1	6.44	8
802.11ax HE40	242T+62	2452	MIMO	9.45	11
802.11ax HE40	484T+65	2422	Chain0	11.15	12
802.11ax HE40	484T+65	2422	Chain1	8.93	10
802.11ax HE40	484T+65	2422	MIMO	13.19	14.1

802.11ax HE40	484T+65	2437	Chain0	10.79	12
802.11ax HE40	484T+65	2437	Chain1	8.26	10
802.11ax HE40	484T+65	2437	MIMO	12.72	14.1
802.11ax HE40	484T+65	2452	Chain0	10.83	12
802.11ax HE40	484T+65	2452	Chain1	8.37	10
802.11ax HE40	484T+65	2452	MIMO	12.78	14.1

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11be HE20	26T+0	2412	Chain0	2.90	3
802.11be HE20	26T+0	2412	Chain1	1.72	3
802.11be HE20	26T+0	2412	MIMO	5.36	6
802.11be HE20	26T+0	2437	Chain0	2.27	3
802.11be HE20	26T+0	2437	Chain1	2.42	3
802.11be HE20	26T+0	2437	MIMO	5.36	6
802.11be HE20	26T+0	2462	Chain0	2.44	3
802.11be HE20	26T+0	2462	Chain1	2.55	3
802.11be HE20	26T+0	2462	MIMO	5.51	6
802.11be HE20	26T+4	2412	Chain0	1.82	3
802.11be HE20	26T+4	2412	Chain1	1.75	3
802.11be HE20	26T+4	2412	MIMO	4.80	6
802.11be HE20	26T+4	2437	Chain0	2.15	3
802.11be HE20	26T+4	2437	Chain1	2.20	3
802.11be HE20	26T+4	2437	MIMO	5.19	6
802.11be HE20	26T+4	2462	Chain0	2.40	3
802.11be HE20	26T+4	2462	Chain1	2.47	3
802.11be HE20	26T+4	2462	MIMO	5.45	6
802.11be HE20	26T+8	2412	Chain0	1.65	3
802.11be HE20	26T+8	2412	Chain1	1.75	3
802.11be HE20	26T+8	2412	MIMO	4.71	6

802.11be HE20	26T+8	2437	Chain0	2.33	3
802.11be HE20	26T+8	2437	Chain1	2.09	3
802.11be HE20	26T+8	2437	MIMO	5.22	6
802.11be HE20	26T+8	2462	Chain0	2.27	3
802.11be HE20	26T+8	2462	Chain1	2.38	3
802.11be HE20	26T+8	2462	MIMO	5.34	6
802.11be HE20	52T+37	2412	Chain0	5.03	6
802.11be HE20	52T+37	2412	Chain1	4.98	6
802.11be HE20	52T+37	2412	MIMO	8.02	9
802.11be HE20	52T+37	2437	Chain0	5.52	6
802.11be HE20	52T+37	2437	Chain1	5.62	6
802.11be HE20	52T+37	2437	MIMO	8.58	9
802.11be HE20	52T+37	2462	Chain0	5.68	6
802.11be HE20	52T+37	2462	Chain1	5.68	6
802.11be HE20	52T+37	2462	MIMO	8.69	9
802.11be HE20	52T+39	2412	Chain0	5.02	6
802.11be HE20	52T+39	2412	Chain1	5.14	6
802.11be HE20	52T+39	2412	MIMO	8.09	9
802.11be HE20	52T+39	2437	Chain0	5.50	6
802.11be HE20	52T+39	2437	Chain1	5.59	6
802.11be HE20	52T+39	2437	MIMO	8.56	9
802.11be HE20	52T+39	2462	Chain0	5.65	6
802.11be HE20	52T+39	2462	Chain1	5.71	6
802.11be HE20	52T+39	2462	MIMO	8.69	9
802.11be HE20	52T+40	2412	Chain0	5.15	6
802.11be HE20	52T+40	2412	Chain1	5.02	6
802.11be HE20	52T+40	2412	MIMO	8.10	9
802.11be HE20	52T+40	2437	Chain0	5.75	6
802.11be HE20	52T+40	2437	Chain1	5.65	6
802.11be HE20	52T+40	2437	MIMO	8.71	9
802.11be HE20	52T+40	2462	Chain0	5.71	6
802.11be HE20	52T+40	2462	Chain1	5.69	6

802.11be HE20	52T+40	2462	MIMO	8.71	9
802.11be HE20	106T+53	2412	Chain0	7.46	8
802.11be HE20	106T+53	2412	Chain1	7.55	8
802.11be HE20	106T+53	2412	MIMO	10.52	11
802.11be HE20	106T+53	2437	Chain0	7.38	8
802.11be HE20	106T+53	2437	Chain1	7.46	8
802.11be HE20	106T+53	2437	MIMO	10.43	11
802.11be HE20	106T+53	2462	Chain0	7.55	8
802.11be HE20	106T+53	2462	Chain1	7.64	8
802.11be HE20	106T+53	2462	MIMO	10.61	11
802.11be HE20	106T+54	2412	Chain0	7.42	8
802.11be HE20	106T+54	2412	Chain1	7.30	8
802.11be HE20	106T+54	2412	MIMO	10.37	11
802.11be HE20	106T+54	2437	Chain0	7.48	8
802.11be HE20	106T+54	2437	Chain1	7.56	8
802.11be HE20	106T+54	2437	MIMO	10.53	11
802.11be HE20	106T+54	2462	Chain0	7.69	8
802.11be HE20	106T+54	2462	Chain1	7.71	8
802.11be HE20	106T+54	2462	MIMO	10.71	11
802.11be HE20	242T+61	2412	Chain0	10.75	12
802.11be HE20	242T+61	2412	Chain1	10.80	12
802.11be HE20	242T+61	2412	MIMO	13.79	15
802.11be HE20	242T+61	2437	Chain0	10.61	12
802.11be HE20	242T+61	2437	Chain1	10.60	12
802.11be HE20	242T+61	2437	MIMO	13.62	15
802.11be HE20	242T+61	2462	Chain0	10.68	12
802.11be HE20	242T+61	2462	Chain1	10.68	12
802.11be HE20	242T+61	2462	MIMO	13.69	15
802.11be HE20	26+52	2412	Chain0	5.41	6
802.11be HE20	26+52	2412	Chain1	5.45	6
802.11be HE20	26+52	2412	MIMO	8.44	9
802.11be HE20	26+52	2437	Chain0	5.54	6

802.11be HE20	26+52	2437	Chain1	5.38	6
802.11be HE20	26+52	2437	MIMO	8.47	9
802.11be HE20	26+52	2462	Chain0	5.74	6
802.11be HE20	26+52	2462	Chain1	5.70	6
802.11be HE20	26+52	2462	MIMO	8.73	9
802.11be HE20	26+106	2412	Chain0	7.49	8
802.11be HE20	26+106	2412	Chain1	7.44	8
802.11be HE20	26+106	2412	MIMO	10.48	11
802.11be HE20	26+106	2437	Chain0	7.20	8
802.11be HE20	26+106	2437	Chain1	7.37	8
802.11be HE20	26+106	2437	MIMO	10.30	11
802.11be HE20	26+106	2462	Chain0	7.74	8
802.11be HE20	26+106	2462	Chain1	7.64	8
802.11be HE20	26+106	2462	MIMO	10.70	11
802.11be HE40	26T+0	2422	Chain0	2.06	3
802.11be HE40	26T+0	2422	Chain1	1.68	3
802.11be HE40	26T+0	2422	MIMO	4.88	6
802.11be HE40	26T+0	2437	Chain0	2.49	3
802.11be HE40	26T+0	2437	Chain1	2.39	3
802.11be HE40	26T+0	2437	MIMO	5.45	6
802.11be HE40	26T+0	2452	Chain0	1.83	3
802.11be HE40	26T+0	2452	Chain1	1.88	3
802.11be HE40	26T+0	2452	MIMO	4.87	6
802.11be HE40	26T+10	2422	Chain0	1.81	3
802.11be HE40	26T+10	2422	Chain1	1.78	3
802.11be HE40	26T+10	2422	MIMO	4.81	6
802.11be HE40	26T+10	2437	Chain0	2.25	3
802.11be HE40	26T+10	2437	Chain1	2.83	3
802.11be HE40	26T+10	2437	MIMO	5.56	6
802.11be HE40	26T+10	2452	Chain0	2.07	3
802.11be HE40	26T+10	2452	Chain1	2.01	3
802.11be HE40	26T+10	2452	MIMO	5.05	6

802.11be HE40	26T+17	2422	Chain0	1.80	3
802.11be HE40	26T+17	2422	Chain1	1.62	3
802.11be HE40	26T+17	2422	MIMO	4.72	6
802.11be HE40	26T+17	2437	Chain0	2.43	3
802.11be HE40	26T+17	2437	Chain1	2.50	3
802.11be HE40	26T+17	2437	MIMO	5.48	6
802.11be HE40	26T+17	2452	Chain0	2.07	3
802.11be HE40	26T+17	2452	Chain1	2.04	3
802.11be HE40	26T+17	2452	MIMO	5.07	6
802.11be HE40	52T+37	2422	Chain0	5.04	6
802.11be HE40	52T+37	2422	Chain1	4.89	6
802.11be HE40	52T+37	2422	MIMO	7.98	9
802.11be HE40	52T+37	2437	Chain0	5.50	6
802.11be HE40	52T+37	2437	Chain1	5.40	6
802.11be HE40	52T+37	2437	MIMO	8.46	9
802.11be HE40	52T+37	2452	Chain0	5.02	6
802.11be HE40	52T+37	2452	Chain1	5.13	6
802.11be HE40	52T+37	2452	MIMO	8.09	9
802.11be HE40	52T+41	2422	Chain0	5.12	6
802.11be HE40	52T+41	2422	Chain1	4.97	6
802.11be HE40	52T+41	2422	MIMO	8.06	9
802.11be HE40	52T+41	2437	Chain0	5.65	6
802.11be HE40	52T+41	2437	Chain1	5.61	6
802.11be HE40	52T+41	2437	MIMO	8.64	9
802.11be HE40	52T+41	2452	Chain0	5.24	6
802.11be HE40	52T+41	2452	Chain1	5.21	6
802.11be HE40	52T+41	2452	MIMO	8.24	9
802.11be HE40	52T+44	2422	Chain0	4.99	6
802.11be HE40	52T+44	2422	Chain1	5.18	6
802.11be HE40	52T+44	2422	MIMO	8.10	9
802.11be HE40	52T+44	2437	Chain0	5.54	6
802.11be HE40	52T+44	2437	Chain1	5.73	6

802.11be HE40	52T+44	2437	MIMO	8.65	9
802.11be HE40	52T+44	2452	Chain0	5.13	6
802.11be HE40	52T+44	2452	Chain1	5.15	6
802.11be HE40	52T+44	2452	MIMO	8.15	9
802.11be HE40	106T+53	2422	Chain0	7.65	8
802.11be HE40	106T+53	2422	Chain1	7.53	8
802.11be HE40	106T+53	2422	MIMO	10.60	11
802.11be HE40	106T+53	2437	Chain0	7.43	8
802.11be HE40	106T+53	2437	Chain1	7.12	8
802.11be HE40	106T+53	2437	MIMO	10.29	11
802.11be HE40	106T+53	2452	Chain0	7.30	8
802.11be HE40	106T+53	2452	Chain1	7.34	8
802.11be HE40	106T+53	2452	MIMO	10.33	11
802.11be HE40	106T+55	2422	Chain0	7.39	8
802.11be HE40	106T+55	2422	Chain1	7.54	8
802.11be HE40	106T+55	2422	MIMO	10.48	11
802.11be HE40	106T+55	2437	Chain0	7.35	8
802.11be HE40	106T+55	2437	Chain1	7.59	8
802.11be HE40	106T+55	2437	MIMO	10.48	11
802.11be HE40	106T+55	2452	Chain0	7.28	8
802.11be HE40	106T+55	2452	Chain1	7.09	8
802.11be HE40	106T+55	2452	MIMO	10.20	11
802.11be HE40	106T+56	2422	Chain0	7.52	8
802.11be HE40	106T+56	2422	Chain1	7.47	8
802.11be HE40	106T+56	2422	MIMO	10.51	11
802.11be HE40	106T+56	2437	Chain0	7.45	8
802.11be HE40	106T+56	2437	Chain1	7.39	8
802.11be HE40	106T+56	2437	MIMO	10.43	11
802.11be HE40	106T+56	2452	Chain0	7.24	8
802.11be HE40	106T+56	2452	Chain1	7.14	8
802.11be HE40	106T+56	2452	MIMO	10.20	11
802.11be HE40	242T+61	2422	Chain0	7.47	8

802.11be HE40	242T+61	2422	Chain1	7.30	8
802.11be HE40	242T+61	2422	MIMO	10.40	11
802.11be HE40	242T+61	2437	Chain0	6.97	8
802.11be HE40	242T+61	2437	Chain1	6.92	8
802.11be HE40	242T+61	2437	MIMO	9.96	11
802.11be HE40	242T+61	2452	Chain0	7.02	8
802.11be HE40	242T+61	2452	Chain1	7.03	8
802.11be HE40	242T+61	2452	MIMO	10.04	11
802.11be HE40	242T+62	2422	Chain0	7.36	8
802.11be HE40	242T+62	2422	Chain1	7.34	8
802.11be HE40	242T+62	2422	MIMO	10.36	11
802.11be HE40	242T+62	2437	Chain0	7.10	8
802.11be HE40	242T+62	2437	Chain1	6.97	8
802.11be HE40	242T+62	2437	MIMO	10.05	11
802.11be HE40	242T+62	2452	Chain0	6.96	8
802.11be HE40	242T+62	2452	Chain1	6.97	8
802.11be HE40	242T+62	2452	MIMO	9.98	11
802.11be HE40	484T+65	2422	Chain0	10.68	12
802.11be HE40	484T+65	2422	Chain1	10.68	12
802.11be HE40	484T+65	2422	MIMO	13.69	15
802.11be HE40	484T+65	2437	Chain0	10.44	12
802.11be HE40	484T+65	2437	Chain1	10.42	12
802.11be HE40	484T+65	2437	MIMO	13.44	15
802.11be HE40	484T+65	2452	Chain0	10.37	12
802.11be HE40	484T+65	2452	Chain1	10.40	12
802.11be HE40	484T+65	2452	MIMO	13.40	15
802.11be HE40	26+52	2422	Chain0	5.49	6
802.11be HE40	26+52	2422	Chain1	5.40	6
802.11be HE40	26+52	2422	MIMO	8.46	9
802.11be HE40	26+52	2437	Chain0	5.56	6
802.11be HE40	26+52	2437	Chain1	5.26	6
802.11be HE40	26+52	2437	MIMO	8.42	9

802.11be HE40	26+52	2452	Chain0	5.17	6
802.11be HE40	26+52	2452	Chain1	5.17	6
802.11be HE40	26+52	2452	MIMO	8.18	9
802.11be HE40	26+106	2422	Chain0	7.63	8
802.11be HE40	26+106	2422	Chain1	7.67	8
802.11be HE40	26+106	2422	MIMO	10.66	11
802.11be HE40	26+106	2437	Chain0	7.37	8
802.11be HE40	26+106	2437	Chain1	7.59	8
802.11be HE40	26+106	2437	MIMO	10.49	11
802.11be HE40	26+106	2452	Chain0	7.35	8
802.11be HE40	26+106	2452	Chain1	7.30	8
802.11be HE40	26+106	2452	MIMO	10.34	11

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Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11a	NA	5180	Chain0	10.91	12.0
802.11a	NA	5180	Chain1	8.65	10.0
802.11a	NA	5220	Chain0	10.80	12.0
802.11a	NA	5220	Chain1	8.82	10.0
802.11a	NA	5240	Chain0	10.83	12.0
802.11a	NA	5240	Chain1	8.96	10.0
802.11n HT20	NA	5180	Chain0	10.93	12.0
802.11n HT20	NA	5180	Chain1	8.53	10.0
802.11n HT20	NA	5180	MIMO	12.90	14.1
802.11n HT20	NA	5220	Chain0	10.98	12.0
802.11n HT20	NA	5220	Chain1	8.78	10.0
802.11n HT20	NA	5220	MIMO	13.03	14.1
802.11n HT20	NA	5240	Chain0	10.83	12.0
802.11n HT20	NA	5240	Chain1	8.90	10.0
802.11n HT20	NA	5240	MIMO	12.98	14.1
802.11ac VHT20	NA	5180	Chain0	10.89	12.0
802.11ac VHT20	NA	5180	Chain1	8.51	10.0
802.11ac VHT20	NA	5180	MIMO	12.87	14.1
802.11ac VHT20	NA	5220	Chain0	10.84	12.0
802.11ac VHT20	NA	5220	Chain1	8.66	10.0
802.11ac VHT20	NA	5220	MIMO	12.90	14.1
802.11ac VHT20	NA	5240	Chain0	10.83	12.0
802.11ac VHT20	NA	5240	Chain1	8.80	10.0
802.11ac VHT20	NA	5240	MIMO	12.94	14.1
802.11n HT40	NA	5190	Chain0	11.37	12.0
802.11n HT40	NA	5190	Chain1	9.20	10.0
802.11n HT40	NA	5190	MIMO	13.43	14.1
802.11n HT40	NA	5230	Chain0	11.64	12.0

802.11n HT40	NA	5230	Chain1	9.31	10.0
802.11n HT40	NA	5230	MIMO	13.64	14.1
802.11ac VHT40	NA	5190	Chain0	11.45	12.0
802.11ac VHT40	NA	5190	Chain1	9.08	10.0
802.11ac VHT40	NA	5190	MIMO	13.44	14.1
802.11ac VHT40	NA	5230	Chain0	11.84	12.0
802.11ac VHT40	NA	5230	Chain1	9.34	10.0
802.11ac VHT40	NA	5230	MIMO	13.78	14.1
802.11ac VHT80	NA	5210	Chain0	11.49	12.0
802.11ac VHT80	NA	5210	Chain1	8.83	10.0
802.11ac VHT80	NA	5210	MIMO	13.37	14.1
802.11ac VHT160	NA	5250	Chain0	11.04	12.0
802.11ac VHT160	NA	5250	Chain1	8.52	10.0
802.11ac VHT160	NA	5250	MIMO	12.97	14.1

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11ax HE20	26T 0	5180	Chain0	2.76	3.0
802.11ax HE20	26T 0	5180	Chain1	0.09	1.0
802.11ax HE20	26T 0	5180	MIMO	4.64	5.1
802.11ax HE20	26T 0	5220	Chain0	2.02	3.0
802.11ax HE20	26T 0	5220	Chain1	-0.43	1.0
802.11ax HE20	26T 0	5220	MIMO	3.98	5.1
802.11ax HE20	26T 0	5240	Chain0	2.85	3.0
802.11ax HE20	26T 0	5240	Chain1	-0.13	1.0
802.11ax HE20	26T 0	5240	MIMO	4.62	5.1
802.11ax HE20	26T 4	5180	Chain0	2.97	3.0
802.11ax HE20	26T 4	5180	Chain1	0.17	1.0
802.11ax HE20	26T 4	5180	MIMO	4.80	5.1
802.11ax HE20	26T 4	5220	Chain0	1.97	3.0

802.11ax HE20	26T 4	5220	Chain1	-0.31	1.0
802.11ax HE20	26T 4	5220	MIMO	3.99	5.1
802.11ax HE20	26T 4	5240	Chain0	2.64	3.0
802.11ax HE20	26T 4	5240	Chain1	-0.20	1.0
802.11ax HE20	26T 4	5240	MIMO	4.46	5.1
802.11ax HE20	26T 8	5180	Chain0	2.84	3.0
802.11ax HE20	26T 8	5180	Chain1	0.22	1.0
802.11ax HE20	26T 8	5180	MIMO	4.73	5.1
802.11ax HE20	26T 8	5220	Chain0	2.00	3.0
802.11ax HE20	26T 8	5220	Chain1	-0.24	1.0
802.11ax HE20	26T 8	5220	MIMO	4.03	5.1
802.11ax HE20	26T 8	5240	Chain0	2.85	3.0
802.11ax HE20	26T 8	5240	Chain1	-0.10	1.0
802.11ax HE20	26T 8	5240	MIMO	4.63	5.1
802.11ax HE20	52T 37	5180	Chain0	5.97	6.0
802.11ax HE20	52T 37	5180	Chain1	3.31	4.0
802.11ax HE20	52T 37	5180	MIMO	7.85	8.1
802.11ax HE20	52T 37	5220	Chain0	4.96	6.0
802.11ax HE20	52T 37	5220	Chain1	2.55	4.0
802.11ax HE20	52T 37	5220	MIMO	6.93	8.1
802.11ax HE20	52T 37	5240	Chain0	5.63	6.0
802.11ax HE20	52T 37	5240	Chain1	2.90	4.0
802.11ax HE20	52T 37	5240	MIMO	7.49	8.1
802.11ax HE20	52T 39	5180	Chain0	5.98	6.0
802.11ax HE20	52T 39	5180	Chain1	3.12	4.0
802.11ax HE20	52T 39	5180	MIMO	7.79	8.1
802.11ax HE20	52T 39	5220	Chain0	4.86	6.0
802.11ax HE20	52T 39	5220	Chain1	2.71	4.0
802.11ax HE20	52T 39	5220	MIMO	6.93	8.1
802.11ax HE20	52T 39	5240	Chain0	5.60	6.0
802.11ax HE20	52T 39	5240	Chain1	2.89	4.0
802.11ax HE20	52T 39	5240	MIMO	7.46	8.1

802.11ax HE20	52T 40	5180	Chain0	5.92	6.0
802.11ax HE20	52T 40	5180	Chain1	3.03	4.0
802.11ax HE20	52T 40	5180	MIMO	7.72	8.1
802.11ax HE20	52T 40	5220	Chain0	4.82	6.0
802.11ax HE20	52T 40	5220	Chain1	2.93	4.0
802.11ax HE20	52T 40	5220	MIMO	6.99	8.1
802.11ax HE20	52T 40	5240	Chain0	5.75	6.0
802.11ax HE20	52T 40	5240	Chain1	2.86	4.0
802.11ax HE20	52T 40	5240	MIMO	7.55	8.1
802.11ax HE20	106T 53	5180	Chain0	7.82	8.0
802.11ax HE20	106T 53	5180	Chain1	5.18	6.0
802.11ax HE20	106T 53	5180	MIMO	9.71	10.1
802.11ax HE20	106T 53	5220	Chain0	7.02	8.0
802.11ax HE20	106T 53	5220	Chain1	4.88	6.0
802.11ax HE20	106T 53	5220	MIMO	9.09	10.1
802.11ax HE20	106T 53	5240	Chain0	7.54	8.0
802.11ax HE20	106T 53	5240	Chain1	4.90	6.0
802.11ax HE20	106T 53	5240	MIMO	9.43	10.1
802.11ax HE20	106T 54	5180	Chain0	7.79	8.0
802.11ax HE20	106T 54	5180	Chain1	5.04	6.0
802.11ax HE20	106T 54	5180	MIMO	9.64	10.1
802.11ax HE20	106T 54	5220	Chain0	7.05	8.0
802.11ax HE20	106T 54	5220	Chain1	4.75	6.0
802.11ax HE20	106T 54	5220	MIMO	9.06	10.1
802.11ax HE20	106T 54	5240	Chain0	7.76	8.0
802.11ax HE20	106T 54	5240	Chain1	4.91	6.0
802.11ax HE20	106T 54	5240	MIMO	9.58	10.1
802.11ax HE20	242T 61	5180	Chain0	11.15	12.0
802.11ax HE20	242T 61	5180	Chain1	8.66	10.0
802.11ax HE20	242T 61	5180	MIMO	13.09	14.1
802.11ax HE20	242T 61	5220	Chain0	11.13	12.0
802.11ax HE20	242T 61	5220	Chain1	8.81	10.0

802.11ax HE20	242T 61	5220	MIMO	13.13	14.1
802.11ax HE20	242T 61	5240	Chain0	11.15	12.0
802.11ax HE20	242T 61	5240	Chain1	8.84	10.0
802.11ax HE20	242T 61	5240	MIMO	13.16	14.1
802.11ax HE40	26T 0	5190	Chain0	2.43	3.0
802.11ax HE40	26T 0	5190	Chain1	-0.43	1.0
802.11ax HE40	26T 0	5190	MIMO	4.24	5.1
802.11ax HE40	26T 0	5230	Chain0	1.88	3.0
802.11ax HE40	26T 0	5230	Chain1	-0.37	1.0
802.11ax HE40	26T 0	5230	MIMO	3.91	5.1
802.11ax HE40	26T 10	5190	Chain0	2.38	3.0
802.11ax HE40	26T 10	5190	Chain1	-0.10	1.0
802.11ax HE40	26T 10	5190	MIMO	4.32	5.1
802.11ax HE40	26T 10	5230	Chain0	1.98	3.0
802.11ax HE40	26T 10	5230	Chain1	-0.86	1.0
802.11ax HE40	26T 10	5230	MIMO	3.80	5.1
802.11ax HE40	26T 17	5190	Chain0	2.27	3.0
802.11ax HE40	26T 17	5190	Chain1	-0.16	1.0
802.11ax HE40	26T 17	5190	MIMO	4.23	5.1
802.11ax HE40	26T 17	5230	Chain0	2.00	3.0
802.11ax HE40	26T 17	5230	Chain1	-0.57	1.0
802.11ax HE40	26T 17	5230	MIMO	3.91	5.1
802.11ax HE40	52T 37	5190	Chain0	5.58	6.0
802.11ax HE40	52T 37	5190	Chain1	2.80	4.0
802.11ax HE40	52T 37	5190	MIMO	7.42	8.1
802.11ax HE40	52T 37	5230	Chain0	4.84	6.0
802.11ax HE40	52T 37	5230	Chain1	2.04	4.0
802.11ax HE40	52T 37	5230	MIMO	6.67	8.1
802.11ax HE40	52T 41	5190	Chain0	5.40	6.0
802.11ax HE40	52T 41	5190	Chain1	2.56	4.0
802.11ax HE40	52T 41	5190	MIMO	7.22	8.1
802.11ax HE40	52T 41	5230	Chain0	4.83	6.0

802.11ax HE40	52T 41	5230	Chain1	2.30	4.0
802.11ax HE40	52T 41	5230	MIMO	6.76	8.1
802.11ax HE40	52T 44	5190	Chain0	5.44	6.0
802.11ax HE40	52T 44	5190	Chain1	2.82	4.0
802.11ax HE40	52T 44	5190	MIMO	7.33	8.1
802.11ax HE40	52T 44	5230	Chain0	4.82	6.0
802.11ax HE40	52T 44	5230	Chain1	2.24	4.0
802.11ax HE40	52T 44	5230	MIMO	6.73	8.1
802.11ax HE40	106T 53	5190	Chain0	7.17	8.0
802.11ax HE40	106T 53	5190	Chain1	4.01	6.0
802.11ax HE40	106T 53	5190	MIMO	8.88	10.1
802.11ax HE40	106T 53	5230	Chain0	6.96	8.0
802.11ax HE40	106T 53	5230	Chain1	4.28	6.0
802.11ax HE40	106T 53	5230	MIMO	8.83	10.1
802.11ax HE40	106T 55	5190	Chain0	7.55	8.0
802.11ax HE40	106T 55	5190	Chain1	4.07	6.0
802.11ax HE40	106T 55	5190	MIMO	9.16	10.1
802.11ax HE40	106T 55	5230	Chain0	6.92	8.0
802.11ax HE40	106T 55	5230	Chain1	4.42	6.0
802.11ax HE40	106T 55	5230	MIMO	8.86	10.1
802.11ax HE40	106T 56	5190	Chain0	7.68	8.0
802.11ax HE40	106T 56	5190	Chain1	4.00	6.0
802.11ax HE40	106T 56	5190	MIMO	9.23	10.1
802.11ax HE40	106T 56	5230	Chain0	6.86	8.0
802.11ax HE40	106T 56	5230	Chain1	4.49	6.0
802.11ax HE40	106T 56	5230	MIMO	8.85	10.1
802.11ax HE40	242T 61	5190	Chain0	6.85	8.0
802.11ax HE40	242T 61	5190	Chain1	4.64	6.0
802.11ax HE40	242T 61	5190	MIMO	8.89	10.1
802.11ax HE40	242T 61	5230	Chain0	7.23	8.0
802.11ax HE40	242T 61	5230	Chain1	4.33	6.0
802.11ax HE40	242T 61	5230	MIMO	9.03	10.1

802.11ax HE40	242T 62	5190	Chain0	6.92	8.0
802.11ax HE40	242T 62	5190	Chain1	4.70	6.0
802.11ax HE40	242T 62	5190	MIMO	8.96	10.1
802.11ax HE40	242T 62	5230	Chain0	7.16	8.0
802.11ax HE40	242T 62	5230	Chain1	4.32	6.0
802.11ax HE40	242T 62	5230	MIMO	8.98	10.1
802.11ax HE40	484T 65	5190	Chain0	11.55	12.0
802.11ax HE40	484T 65	5190	Chain1	9.07	10.0
802.11ax HE40	484T 65	5190	MIMO	13.49	14.1
802.11ax HE40	484T 65	5230	Chain0	11.59	12.0
802.11ax HE40	484T 65	5230	Chain1	9.36	10.0
802.11ax HE40	484T 65	5230	MIMO	13.63	14.1
802.11ax HE80	26T 0	5210	Chain0	1.64	3.0
802.11ax HE80	26T 0	5210	Chain1	-0.40	1.0
802.11ax HE80	26T 0	5210	MIMO	3.75	5.1
802.11ax HE80	26T 18	5210	Chain0	1.50	3.0
802.11ax HE80	26T 18	5210	Chain1	-0.22	1.0
802.11ax HE80	26T 18	5210	MIMO	3.73	5.1
802.11ax HE80	26T 36	5210	Chain0	1.65	3.0
802.11ax HE80	26T 36	5210	Chain1	-0.24	1.0
802.11ax HE80	26T 36	5210	MIMO	3.82	5.1
802.11ax HE80	52T 37	5210	Chain0	4.69	6.0
802.11ax HE80	52T 37	5210	Chain1	2.67	4.0
802.11ax HE80	52T 37	5210	MIMO	6.81	8.1
802.11ax HE80	52T 45	5210	Chain0	4.79	6.0
802.11ax HE80	52T 45	5210	Chain1	2.68	4.0
802.11ax HE80	52T 45	5210	MIMO	6.87	8.1
802.11ax HE80	52T 52	5210	Chain0	4.76	6.0
802.11ax HE80	52T 52	5210	Chain1	2.68	4.0
802.11ax HE80	52T 52	5210	MIMO	6.85	8.1
802.11ax HE80	106T 53	5210	Chain0	6.97	8.0
802.11ax HE80	106T 53	5210	Chain1	5.01	6.0

802.11ax HE80	106T 53	5210	MIMO	9.11	10.1
802.11ax HE80	106T 57	5210	Chain0	6.86	8.0
802.11ax HE80	106T 57	5210	Chain1	4.87	6.0
802.11ax HE80	106T 57	5210	MIMO	8.99	10.1
802.11ax HE80	106T 60	5210	Chain0	6.97	8.0
802.11ax HE80	106T 60	5210	Chain1	4.89	6.0
802.11ax HE80	106T 60	5210	MIMO	9.06	10.1
802.11ax HE80	242T 61	5210	Chain0	6.48	8.0
802.11ax HE80	242T 61	5210	Chain1	4.73	6.0
802.11ax HE80	242T 61	5210	MIMO	8.70	10.1
802.11ax HE80	242T 63	5210	Chain0	6.73	8.0
802.11ax HE80	242T 63	5210	Chain1	4.98	6.0
802.11ax HE80	242T 63	5210	MIMO	8.95	10.1
802.11ax HE80	242T 64	5210	Chain0	6.62	8.0
802.11ax HE80	242T 64	5210	Chain1	4.69	6.0
802.11ax HE80	242T 64	5210	MIMO	8.77	10.1
802.11ax HE80	484T 65	5210	Chain0	6.70	8.0
802.11ax HE80	484T 65	5210	Chain1	4.80	6.0
802.11ax HE80	484T 65	5210	MIMO	8.86	10.1
802.11ax HE80	484T 66	5210	Chain0	6.57	8.0
802.11ax HE80	484T 66	5210	Chain1	4.68	6.0
802.11ax HE80	484T 66	5210	MIMO	8.74	10.1
802.11ax HE80	996T 67	5210	Chain0	11.71	12.0
802.11ax HE80	996T 67	5210	Chain1	9.02	10.0
802.11ax HE80	996T 67	5210	MIMO	13.58	14.1
802.11ax HE160	26T L	5250	Chain0	1.84	3.0
802.11ax HE160	26T L	5250	Chain1	-0.78	1.0
802.11ax HE160	26T L	5250	MIMO	3.73	5.1
802.11ax HE160	26T H	5250	Chain0	1.02	3.0
802.11ax HE160	26T H	5250	Chain1	-0.81	1.0
802.11ax HE160	26T H	5250	MIMO	3.21	5.1
802.11ax HE160	52T L	5250	Chain0	4.58	6.0

802.11ax HE160	52T L	5250	Chain1	2.27	4.0
802.11ax HE160	52T L	5250	MIMO	6.59	8.1
802.11ax HE160	52T H	5250	Chain0	5.16	6.0
802.11ax HE160	52T H	5250	Chain1	2.40	4.0
802.11ax HE160	52T H	5250	MIMO	7.01	8.1
802.11ax HE160	106T L	5250	Chain0	7.03	8.0
802.11ax HE160	106T L	5250	Chain1	4.80	6.0
802.11ax HE160	106T L	5250	MIMO	9.07	10.1
802.11ax HE160	106T H	5250	Chain0	6.31	8.0
802.11ax HE160	106T H	5250	Chain1	4.73	6.0
802.11ax HE160	106T H	5250	MIMO	8.60	10.1
802.11ax HE160	242T L	5250	Chain0	6.55	8.0
802.11ax HE160	242T L	5250	Chain1	4.90	6.0
802.11ax HE160	242T L	5250	MIMO	8.81	10.1
802.11ax HE160	242T H	5250	Chain0	6.28	8.0
802.11ax HE160	242T H	5250	Chain1	4.98	6.0
802.11ax HE160	242T H	5250	MIMO	8.69	10.1
802.11ax HE160	484T L	5250	Chain0	6.71	8.0
802.11ax HE160	484T L	5250	Chain1	4.93	6.0
802.11ax HE160	484T L	5250	MIMO	8.92	10.1
802.11ax HE160	484T H	5250	Chain0	7.60	8.0
802.11ax HE160	484T H	5250	Chain1	4.93	6.0
802.11ax HE160	484T H	5250	MIMO	9.48	10.1
802.11ax HE160	996T L	5250	Chain0	6.92	8.0
802.11ax HE160	996T L	5250	Chain1	4.83	6.0
802.11ax HE160	996T L	5250	MIMO	9.01	10.1
802.11ax HE160	996T H	5250	Chain0	7.99	8.0
802.11ax HE160	996T H	5250	Chain1	4.79	6.0
802.11ax HE160	996T H	5250	MIMO	9.69	10.1
802.11ax HE160	1992T LH	5250	Chain0	11.40	12.0
802.11ax HE160	1992T LH	5250	Chain1	8.94	10.0
802.11ax HE160	1992T LH	5250	MIMO	13.35	14.1

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11be HE20	26T 0	5180	Chain1	0.56	1.0
802.11be HE20	26T 0	5180	Chain0	2.66	3.0
802.11be HE20	26T 0	5180	MIMO	4.75	5.1
802.11be HE20	26T 0	5220	Chain1	0.67	1.0
802.11be HE20	26T 0	5220	Chain0	1.10	3.0
802.11be HE20	26T 0	5220	MIMO	3.90	5.1
802.11be HE20	26T 0	5240	Chain1	0.80	1.0
802.11be HE20	26T 0	5240	Chain0	2.76	3.0
802.11be HE20	26T 0	5240	MIMO	4.90	5.1
802.11be HE20	26T 4	5180	Chain1	0.58	1.0
802.11be HE20	26T 4	5180	Chain0	2.53	3.0
802.11be HE20	26T 4	5180	MIMO	4.67	5.1
802.11be HE20	26T 4	5220	Chain1	0.73	1.0
802.11be HE20	26T 4	5220	Chain0	1.18	3.0
802.11be HE20	26T 4	5220	MIMO	3.97	5.1
802.11be HE20	26T 4	5240	Chain1	0.81	1.0
802.11be HE20	26T 4	5240	Chain0	2.84	3.0
802.11be HE20	26T 4	5240	MIMO	4.95	5.1
802.11be HE20	26T 8	5180	Chain1	0.38	1.0
802.11be HE20	26T 8	5180	Chain0	2.50	3.0
802.11be HE20	26T 8	5180	MIMO	4.58	5.1
802.11be HE20	26T 8	5220	Chain1	0.69	1.0
802.11be HE20	26T 8	5220	Chain0	1.90	3.0
802.11be HE20	26T 8	5220	MIMO	4.35	5.1
802.11be HE20	26T 8	5240	Chain1	0.82	1.0
802.11be HE20	26T 8	5240	Chain0	2.62	3.0
802.11be HE20	26T 8	5240	MIMO	4.82	5.1
802.11be HE20	52T 37	5180	Chain1	3.03	4.0

802.11be HE20	52T 37	5180	Chain0	5.26	6.0
802.11be HE20	52T 37	5180	MIMO	7.30	8.1
802.11be HE20	52T 37	5220	Chain1	3.56	4.0
802.11be HE20	52T 37	5220	Chain0	4.09	6.0
802.11be HE20	52T 37	5220	MIMO	6.84	8.1
802.11be HE20	52T 37	5240	Chain1	3.59	4.0
802.11be HE20	52T 37	5240	Chain0	4.85	6.0
802.11be HE20	52T 37	5240	MIMO	7.28	8.1
802.11be HE20	52T 39	5180	Chain1	3.11	4.0
802.11be HE20	52T 39	5180	Chain0	5.13	6.0
802.11be HE20	52T 39	5180	MIMO	7.25	8.1
802.11be HE20	52T 39	5220	Chain1	3.59	4.0
802.11be HE20	52T 39	5220	Chain0	4.02	6.0
802.11be HE20	52T 39	5220	MIMO	6.82	8.1
802.11be HE20	52T 39	5240	Chain1	3.79	4.0
802.11be HE20	52T 39	5240	Chain0	4.87	6.0
802.11be HE20	52T 39	5240	MIMO	7.37	8.1
802.11be HE20	52T 40	5180	Chain1	3.06	4.0
802.11be HE20	52T 40	5180	Chain0	5.16	6.0
802.11be HE20	52T 40	5180	MIMO	7.25	8.1
802.11be HE20	52T 40	5220	Chain1	3.55	4.0
802.11be HE20	52T 40	5220	Chain0	4.07	6.0
802.11be HE20	52T 40	5220	MIMO	6.83	8.1
802.11be HE20	52T 40	5240	Chain1	3.69	4.0
802.11be HE20	52T 40	5240	Chain0	4.74	6.0
802.11be HE20	52T 40	5240	MIMO	7.26	8.1
802.11be HE20	106T 53	5180	Chain1	4.20	6.0
802.11be HE20	106T 53	5180	Chain0	6.96	8.0
802.11be HE20	106T 53	5180	MIMO	8.81	10.1
802.11be HE20	106T 53	5220	Chain1	5.49	6.0
802.11be HE20	106T 53	5220	Chain0	6.18	8.0
802.11be HE20	106T 53	5220	MIMO	8.86	10.1

802.11be HE20	106T 53	5240	Chain1	5.57	6.0
802.11be HE20	106T 53	5240	Chain0	6.83	8.0
802.11be HE20	106T 53	5240	MIMO	9.26	10.1
802.11be HE20	106T 54	5180	Chain1	5.05	6.0
802.11be HE20	106T 54	5180	Chain0	6.91	8.0
802.11be HE20	106T 54	5180	MIMO	9.09	10.1
802.11be HE20	106T 54	5220	Chain1	5.34	6.0
802.11be HE20	106T 54	5220	Chain0	6.22	8.0
802.11be HE20	106T 54	5220	MIMO	8.81	10.1
802.11be HE20	106T 54	5240	Chain1	5.52	6.0
802.11be HE20	106T 54	5240	Chain0	6.94	8.0
802.11be HE20	106T 54	5240	MIMO	9.30	10.1
802.11be HE20	242T 61	5180	Chain1	8.44	10.0
802.11be HE20	242T 61	5180	Chain0	11.17	12.0
802.11be HE20	242T 61	5180	MIMO	13.03	14.1
802.11be HE20	242T 61	5220	Chain1	8.78	10.0
802.11be HE20	242T 61	5220	Chain0	11.16	12.0
802.11be HE20	242T 61	5220	MIMO	13.14	14.1
802.11be HE20	242T 61	5240	Chain1	8.86	10.0
802.11be HE20	242T 61	5240	Chain0	11.09	12.0
802.11be HE20	242T 61	5240	MIMO	13.13	14.1
802.11be HE20	26+52	5180	Chain1	3.10	4.0
802.11be HE20	26+52	5180	Chain0	5.01	6.0
802.11be HE20	26+52	5180	MIMO	7.17	8.1
802.11be HE20	26+52	5220	Chain1	3.54	4.0
802.11be HE20	26+52	5220	Chain0	4.31	6.0
802.11be HE20	26+52	5220	MIMO	6.95	8.1
802.11be HE20	26+52	5240	Chain1	3.52	4.0
802.11be HE20	26+52	5240	Chain0	4.96	6.0
802.11be HE20	26+52	5240	MIMO	7.31	8.1
802.11be HE20	26+106	5180	Chain1	5.07	4.0
802.11be HE20	26+106	5180	Chain0	7.07	6.0

802.11be HE20	26+106	5180	MIMO	9.19	8.1
802.11be HE20	26+106	5220	Chain1	5.53	4.0
802.11be HE20	26+106	5220	Chain0	6.45	6.0
802.11be HE20	26+106	5220	MIMO	9.02	8.1
802.11be HE20	26+106	5240	Chain1	5.52	4.0
802.11be HE20	26+106	5240	Chain0	7.11	6.0
802.11be HE20	26+106	5240	MIMO	9.40	8.1
802.11be HE40	26T 0	5190	Chain1	0.12	1.0
802.11be HE40	26T 0	5190	Chain0	1.85	3.0
802.11be HE40	26T 0	5190	MIMO	4.08	5.1
802.11be HE40	26T 0	5230	Chain1	0.22	1.0
802.11be HE40	26T 0	5230	Chain0	0.95	3.0
802.11be HE40	26T 0	5230	MIMO	3.61	5.1
802.11be HE40	26T 10	5190	Chain1	-0.30	1.0
802.11be HE40	26T 10	5190	Chain0	1.77	3.0
802.11be HE40	26T 10	5190	MIMO	3.87	5.1
802.11be HE40	26T 10	5230	Chain1	0.41	1.0
802.11be HE40	26T 10	5230	Chain0	1.20	3.0
802.11be HE40	26T 10	5230	MIMO	3.83	5.1
802.11be HE40	26T 4	5190	Chain1	0.09	1.0
802.11be HE40	26T 4	5190	Chain0	1.77	3.0
802.11be HE40	26T 4	5190	MIMO	4.02	5.1
802.11be HE40	26T 4	5230	Chain1	0.26	1.0
802.11be HE40	26T 4	5230	Chain0	1.42	3.0
802.11be HE40	26T 4	5230	MIMO	3.89	5.1
802.11be HE40	26T 17	5190	Chain1	0.03	1.0
802.11be HE40	26T 17	5190	Chain0	1.54	3.0
802.11be HE40	26T 17	5190	MIMO	3.86	5.1
802.11be HE40	26T 17	5230	Chain1	0.31	1.0
802.11be HE40	26T 17	5230	Chain0	1.28	3.0
802.11be HE40	26T 17	5230	MIMO	3.83	5.1
802.11be HE40	26T 8	5190	Chain1	-0.08	1.0

802.11be HE40	26T 8	5190	Chain0	1.81	3.0
802.11be HE40	26T 8	5190	MIMO	3.98	5.1
802.11be HE40	26T 8	5230	Chain1	0.13	1.0
802.11be HE40	26T 8	5230	Chain0	1.15	3.0
802.11be HE40	26T 8	5230	MIMO	3.68	5.1
802.11be HE40	52T 37	5190	Chain1	3.28	4.0
802.11be HE40	52T 37	5190	Chain0	5.08	6.0
802.11be HE40	52T 37	5190	MIMO	7.28	8.1
802.11be HE40	52T 37	5230	Chain1	3.05	4.0
802.11be HE40	52T 37	5230	Chain0	4.67	6.0
802.11be HE40	52T 37	5230	MIMO	6.95	8.1
802.11be HE40	52T 39	5190	Chain1	3.00	4.0
802.11be HE40	52T 39	5190	Chain0	5.19	6.0
802.11be HE40	52T 39	5190	MIMO	7.24	8.1
802.11be HE40	52T 39	5230	Chain1	3.12	4.0
802.11be HE40	52T 39	5230	Chain0	4.76	6.0
802.11be HE40	52T 39	5230	MIMO	7.03	8.1
802.11be HE40	52T 41	5190	Chain1	3.16	4.0
802.11be HE40	52T 41	5190	Chain0	5.12	6.0
802.11be HE40	52T 41	5190	MIMO	7.26	8.1
802.11be HE40	52T 41	5230	Chain1	3.05	4.0
802.11be HE40	52T 41	5230	Chain0	4.62	6.0
802.11be HE40	52T 41	5230	MIMO	6.92	8.1
802.11be HE40	52T 40	5190	Chain1	3.18	4.0
802.11be HE40	52T 40	5190	Chain0	5.11	6.0
802.11be HE40	52T 40	5190	MIMO	7.26	8.1
802.11be HE40	52T 40	5230	Chain1	3.23	4.0
802.11be HE40	52T 40	5230	Chain0	4.62	6.0
802.11be HE40	52T 40	5230	MIMO	6.99	8.1
802.11be HE40	52T 44	5190	Chain1	2.86	4.0
802.11be HE40	52T 44	5190	Chain0	5.14	6.0
802.11be HE40	52T 44	5190	MIMO	7.16	8.1

802.11be HE40	52T 44	5230	Chain1	3.20	4.0
802.11be HE40	52T 44	5230	Chain0	4.46	6.0
802.11be HE40	52T 44	5230	MIMO	6.89	8.1
802.11be HE40	106T 53	5190	Chain1	4.84	6.0
802.11be HE40	106T 53	5190	Chain0	7.21	8.0
802.11be HE40	106T 53	5190	MIMO	9.20	10.1
802.11be HE40	106T 53	5230	Chain1	5.21	6.0
802.11be HE40	106T 53	5230	Chain0	6.91	8.0
802.11be HE40	106T 53	5230	MIMO	9.15	10.1
802.11be HE40	106T 54	5190	Chain1	5.04	6.0
802.11be HE40	106T 54	5190	Chain0	7.28	8.0
802.11be HE40	106T 54	5190	MIMO	9.31	10.1
802.11be HE40	106T 54	5230	Chain1	5.20	6.0
802.11be HE40	106T 54	5230	Chain0	6.88	8.0
802.11be HE40	106T 54	5230	MIMO	9.13	10.1
802.11be HE40	106T 55	5190	Chain1	5.05	6.0
802.11be HE40	106T 55	5190	Chain0	7.33	8.0
802.11be HE40	106T 55	5190	MIMO	9.35	10.1
802.11be HE40	106T 55	5230	Chain1	5.18	6.0
802.11be HE40	106T 55	5230	Chain0	6.74	8.0
802.11be HE40	106T 55	5230	MIMO	9.04	10.1
802.11be HE40	106T 56	5190	Chain1	4.97	6.0
802.11be HE40	106T 56	5190	Chain0	7.21	8.0
802.11be HE40	106T 56	5190	MIMO	9.24	10.1
802.11be HE40	106T 56	5230	Chain1	5.29	6.0
802.11be HE40	106T 56	5230	Chain0	6.96	8.0
802.11be HE40	106T 56	5230	MIMO	9.22	10.1
802.11be HE40	242T 61	5190	Chain1	4.85	6.0
802.11be HE40	242T 61	5190	Chain0	6.91	8.0
802.11be HE40	242T 61	5190	MIMO	9.01	10.1
802.11be HE40	242T 61	5230	Chain1	5.04	6.0
802.11be HE40	242T 61	5230	Chain0	6.98	8.0

802.11be HE40	242T 61	5230	MIMO	9.13	10.1
802.11be HE40	242T 62	5190	Chain1	4.79	6.0
802.11be HE40	242T 62	5190	Chain0	6.70	8.0
802.11be HE40	242T 62	5190	MIMO	8.86	10.1
802.11be HE40	242T 62	5230	Chain1	5.05	6.0
802.11be HE40	242T 62	5230	Chain0	6.90	8.0
802.11be HE40	242T 62	5230	MIMO	9.08	10.1
802.11be HE40	484T 65	5190	Chain1	9.03	10.0
802.11be HE40	484T 65	5190	Chain0	11.45	12.0
802.11be HE40	484T 65	5190	MIMO	13.42	14.1
802.11be HE40	484T 65	5230	Chain1	9.24	10.0
802.11be HE40	484T 65	5230	Chain0	11.49	12.0
802.11be HE40	484T 65	5230	MIMO	13.52	14.1
802.11be HE40	26+52	5190	Chain1	3.06	4.0
802.11be HE40	26+52	5190	Chain0	4.99	6.0
802.11be HE40	26+52	5190	MIMO	7.14	8.1
802.11be HE40	26+52	5230	Chain1	3.19	4.0
802.11be HE40	26+52	5230	Chain0	4.91	6.0
802.11be HE40	26+52	5230	MIMO	7.14	8.1
802.11be HE40	26+106	5190	Chain1	4.93	6.0
802.11be HE40	26+106	5190	Chain0	7.16	8.0
802.11be HE40	26+106	5190	MIMO	9.20	10.1
802.11be HE40	26+106	5230	Chain1	5.29	6.0
802.11be HE40	26+106	5230	Chain0	6.91	8.0
802.11be HE40	26+106	5230	MIMO	9.19	10.1
802.11be HE80	26T 0	5210	Chain1	0.43	1.0
802.11be HE80	26T 0	5210	Chain0	1.16	3.0
802.11be HE80	26T 0	5210	MIMO	3.82	5.1
802.11be HE80	26T 18	5210	Chain1	0.40	1.0
802.11be HE80	26T 18	5210	Chain0	1.12	3.0
802.11be HE80	26T 18	5210	MIMO	3.79	5.1
802.11be HE80	26T 4	5210	Chain1	0.40	1.0

802.11be HE80	26T 4	5210	Chain0	1.07	3.0
802.11be HE80	26T 4	5210	MIMO	3.76	5.1
802.11be HE80	26T 36	5210	Chain1	0.52	1.0
802.11be HE80	26T 36	5210	Chain0	1.14	3.0
802.11be HE80	26T 36	5210	MIMO	3.85	5.1
802.11be HE80	26T 8	5210	Chain1	0.31	1.0
802.11be HE80	26T 8	5210	Chain0	1.26	3.0
802.11be HE80	26T 8	5210	MIMO	3.82	5.1
802.11be HE80	52T 37	5210	Chain1	2.92	4.0
802.11be HE80	52T 37	5210	Chain0	4.63	6.0
802.11be HE80	52T 37	5210	MIMO	6.87	8.1
802.11be HE80	52T 39	5210	Chain1	3.15	4.0
802.11be HE80	52T 39	5210	Chain0	4.63	6.0
802.11be HE80	52T 39	5210	MIMO	6.96	8.1
802.11be HE80	52T 45	5210	Chain1	3.08	4.0
802.11be HE80	52T 45	5210	Chain0	4.58	6.0
802.11be HE80	52T 45	5210	MIMO	6.90	8.1
802.11be HE80	52T 40	5210	Chain1	2.90	4.0
802.11be HE80	52T 40	5210	Chain0	4.41	6.0
802.11be HE80	52T 40	5210	MIMO	6.73	8.1
802.11be HE80	52T 52	5210	Chain1	3.07	4.0
802.11be HE80	52T 52	5210	Chain0	4.58	6.0
802.11be HE80	52T 52	5210	MIMO	6.90	8.1
802.11be HE80	106T 53	5210	Chain1	5.01	6.0
802.11be HE80	106T 53	5210	Chain0	6.59	8.0
802.11be HE80	106T 53	5210	MIMO	8.88	10.1
802.11be HE80	106T 54	5210	Chain1	5.03	6.0
802.11be HE80	106T 54	5210	Chain0	6.65	8.0
802.11be HE80	106T 54	5210	MIMO	8.93	10.1
802.11be HE80	106T 57	5210	Chain1	5.18	6.0
802.11be HE80	106T 57	5210	Chain0	6.57	8.0
802.11be HE80	106T 57	5210	MIMO	8.94	10.1

802.11be HE80	106T 60	5210	Chain1	4.99	6.0
802.11be HE80	106T 60	5210	Chain0	6.67	8.0
802.11be HE80	106T 60	5210	MIMO	8.92	10.1
802.11be HE80	242T 61	5210	Chain1	5.01	6.0
802.11be HE80	242T 61	5210	Chain0	6.21	8.0
802.11be HE80	242T 61	5210	MIMO	8.66	10.1
802.11be HE80	242T 63	5210	Chain1	5.07	6.0
802.11be HE80	242T 63	5210	Chain0	6.16	8.0
802.11be HE80	242T 63	5210	MIMO	8.66	10.1
802.11be HE80	242T 64	5210	Chain1	4.90	6.0
802.11be HE80	242T 64	5210	Chain0	6.48	8.0
802.11be HE80	242T 64	5210	MIMO	8.77	10.1
802.11be HE80	484T 65	5210	Chain1	5.01	6.0
802.11be HE80	484T 65	5210	Chain0	6.35	8.0
802.11be HE80	484T 65	5210	MIMO	8.74	10.1
802.11be HE80	484T 66	5210	Chain1	4.97	6.0
802.11be HE80	484T 66	5210	Chain0	6.24	8.0
802.11be HE80	484T 66	5210	MIMO	8.66	10.1
802.11be HE80	996T 67	5210	Chain1	9.22	10.0
802.11be HE80	996T 67	5210	Chain0	11.38	12.0
802.11be HE80	996T 67	5210	MIMO	13.44	14.1
802.11be HE80	26+52	5210	Chain1	2.98	4.0
802.11be HE80	26+52	5210	Chain0	6.41	6.0
802.11be HE80	26+52	5210	MIMO	8.04	8.1
802.11be HE80	242+484	5210	Chain1	5.30	6.0
802.11be HE80	242+484	5210	Chain0	6.83	8.0
802.11be HE80	242+484	5210	MIMO	9.14	10.1
802.11be HE160	26T L	5250	Chain1	-0.67	1.0
802.11be HE160	26T L	5250	Chain0	0.93	3.0
802.11be HE160	26T L	5250	MIMO	3.21	5.1
802.11be HE160	26T H	5250	Chain1	-0.38	1.0
802.11be HE160	26T H	5250	Chain0	1.21	3.0

802.11be HE160	26T H	5250	MIMO	3.50	5.1
802.11be HE160	52T L	5250	Chain1	2.69	4.0
802.11be HE160	52T L	5250	Chain0	4.18	6.0
802.11be HE160	52T L	5250	MIMO	6.51	8.1
802.11be HE160	52T H	5250	Chain1	2.81	4.0
802.11be HE160	52T H	5250	Chain0	4.42	6.0
802.11be HE160	52T H	5250	MIMO	6.70	8.1
802.11be HE160	106T L	5250	Chain1	4.66	6.0
802.11be HE160	106T L	5250	Chain0	6.15	8.0
802.11be HE160	106T L	5250	MIMO	8.48	10.1
802.11be HE160	106T H	5250	Chain1	4.87	6.0
802.11be HE160	106T H	5250	Chain0	6.45	8.0
802.11be HE160	106T H	5250	MIMO	8.74	10.1
802.11be HE160	242T L	5250	Chain1	4.65	6.0
802.11be HE160	242T L	5250	Chain0	6.03	8.0
802.11be HE160	242T L	5250	MIMO	8.40	10.1
802.11be HE160	242T H	5250	Chain1	4.64	6.0
802.11be HE160	242T H	5250	Chain0	6.13	8.0
802.11be HE160	242T H	5250	MIMO	8.46	10.1
802.11be HE160	484T L	5250	Chain1	4.84	6.0
802.11be HE160	484T L	5250	Chain0	5.95	8.0
802.11be HE160	484T L	5250	MIMO	8.44	10.1
802.11be HE160	484T H	5250	Chain1	4.90	6.0
802.11be HE160	484T H	5250	Chain0	6.16	8.0
802.11be HE160	484T H	5250	MIMO	8.59	10.1
802.11be HE160	996T L	5250	Chain1	4.69	6.0
802.11be HE160	996T L	5250	Chain0	6.18	8.0
802.11be HE160	996T L	5250	MIMO	8.51	10.1
802.11be HE160	996T H	5250	Chain1	4.73	6.0
802.11be HE160	996T H	5250	Chain0	6.25	8.0
802.11be HE160	996T H	5250	MIMO	8.57	10.1
802.11be HE160	1992T LH	5250	Chain1	8.27	10.0

802.11be HE160	1992T LH	5250	Chain0	10.97	12.0
802.11be HE160	1992T LH	5250	MIMO	12.84	14.1
802.11be HE160	484+996	5250	Chain1	4.43	6.0
802.11be HE160	484+996	5250	Chain0	6.34	8.0
802.11be HE160	484+996	5250	MIMO	8.50	10.1
802.11be HE160	242+484+996	5250	Chain1	4.51	6.0
802.11be HE160	242+484+996	5250	Chain0	6.25	8.0
802.11be HE160	242+484+996	5250	MIMO	8.48	10.1

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Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11a	NA	5260	Chain0	10.63	12.0
802.11a	NA	5260	Chain1	8.70	10.0
802.11a	NA	5280	Chain0	10.78	12.0
802.11a	NA	5280	Chain1	8.67	10.0
802.11a	NA	5320	Chain0	10.51	12.0
802.11a	NA	5320	Chain1	8.73	10.0
802.11n HT20	NA	5260	Chain0	10.64	12.0
802.11n HT20	NA	5260	Chain1	8.72	10.0
802.11n HT20	NA	5260	MIMO	12.80	14.1
802.11n HT20	NA	5280	Chain0	10.68	12.0
802.11n HT20	NA	5280	Chain1	8.70	10.0
802.11n HT20	NA	5280	MIMO	12.81	14.1
802.11n HT20	NA	5320	Chain0	10.54	12.0
802.11n HT20	NA	5320	Chain1	8.72	10.0
802.11n HT20	NA	5320	MIMO	12.73	14.1
802.11ac VHT20	NA	5260	Chain0	10.59	12.0
802.11ac VHT20	NA	5260	Chain1	8.70	10.0
802.11ac VHT20	NA	5260	MIMO	12.76	14.1
802.11ac VHT20	NA	5280	Chain0	10.60	12.0
802.11ac VHT20	NA	5280	Chain1	8.70	10.0
802.11ac VHT20	NA	5280	MIMO	12.76	14.1
802.11ac VHT20	NA	5320	Chain0	10.39	12.0
802.11ac VHT20	NA	5320	Chain1	8.76	10.0
802.11ac VHT20	NA	5320	MIMO	12.66	14.1
802.11n HT40	NA	5270	Chain0	11.37	12.0
802.11n HT40	NA	5270	Chain1	9.30	10.0
802.11n HT40	NA	5270	MIMO	13.47	14.1
802.11n HT40	NA	5310	Chain0	11.25	12.0

802.11n HT40	NA	5310	Chain1	9.45	10.0
802.11n HT40	NA	5310	MIMO	13.45	14.1
802.11ac VHT40	NA	5270	Chain0	11.37	12.0
802.11ac VHT40	NA	5270	Chain1	9.26	10.0
802.11ac VHT40	NA	5270	MIMO	13.45	14.1
802.11ac VHT40	NA	5310	Chain0	11.10	12.0
802.11ac VHT40	NA	5310	Chain1	9.37	10.0
802.11ac VHT40	NA	5310	MIMO	13.33	14.1
802.11ac VHT80	NA	5290	Chain0	11.48	12.0
802.11ac VHT80	NA	5290	Chain1	8.87	10.0
802.11ac VHT80	NA	5290	MIMO	13.38	14.1

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11ax HE20	26T 0	5260	Chain0	2.47	3.0
802.11ax HE20	26T 0	5260	Chain1	-0.14	1.0
802.11ax HE20	26T 0	5260	MIMO	4.37	5.1
802.11ax HE20	26T 0	5280	Chain0	1.92	3.0
802.11ax HE20	26T 0	5280	Chain1	0.14	1.0
802.11ax HE20	26T 0	5280	MIMO	4.13	5.1
802.11ax HE20	26T 0	5320	Chain0	2.25	3.0
802.11ax HE20	26T 0	5320	Chain1	0.20	1.0
802.11ax HE20	26T 0	5320	MIMO	4.36	5.1
802.11ax HE20	26T 4	5260	Chain0	2.44	3.0
802.11ax HE20	26T 4	5260	Chain1	0.02	1.0
802.11ax HE20	26T 4	5260	MIMO	4.41	5.1
802.11ax HE20	26T 4	5280	Chain0	2.69	3.0
802.11ax HE20	26T 4	5280	Chain1	-0.02	1.0
802.11ax HE20	26T 4	5280	MIMO	4.55	5.1
802.11ax HE20	26T 4	5320	Chain0	2.39	3.0

802.11ax HE20	26T 4	5320	Chain1	0.03	1.0
802.11ax HE20	26T 4	5320	MIMO	4.38	5.1
802.11ax HE20	26T 8	5260	Chain0	2.28	3.0
802.11ax HE20	26T 8	5260	Chain1	-0.14	1.0
802.11ax HE20	26T 8	5260	MIMO	4.25	5.1
802.11ax HE20	26T 8	5280	Chain0	2.63	3.0
802.11ax HE20	26T 8	5280	Chain1	0.02	1.0
802.11ax HE20	26T 8	5280	MIMO	4.53	5.1
802.11ax HE20	26T 8	5320	Chain0	2.39	3.0
802.11ax HE20	26T 8	5320	Chain1	0.17	1.0
802.11ax HE20	26T 8	5320	MIMO	4.43	5.1
802.11ax HE20	52T 37	5260	Chain0	5.52	6.0
802.11ax HE20	52T 37	5260	Chain1	2.20	4.0
802.11ax HE20	52T 37	5260	MIMO	7.18	8.1
802.11ax HE20	52T 37	5280	Chain0	5.49	6.0
802.11ax HE20	52T 37	5280	Chain1	2.15	4.0
802.11ax HE20	52T 37	5280	MIMO	7.14	8.1
802.11ax HE20	52T 37	5320	Chain0	5.21	6.0
802.11ax HE20	52T 37	5320	Chain1	1.95	4.0
802.11ax HE20	52T 37	5320	MIMO	6.89	8.1
802.11ax HE20	52T 39	5260	Chain0	5.76	6.0
802.11ax HE20	52T 39	5260	Chain1	2.20	4.0
802.11ax HE20	52T 39	5260	MIMO	7.35	8.1
802.11ax HE20	52T 39	5280	Chain0	5.37	6.0
802.11ax HE20	52T 39	5280	Chain1	2.11	4.0
802.11ax HE20	52T 39	5280	MIMO	7.05	8.1
802.11ax HE20	52T 39	5320	Chain0	5.13	6.0
802.11ax HE20	52T 39	5320	Chain1	1.99	4.0
802.11ax HE20	52T 39	5320	MIMO	6.85	8.1
802.11ax HE20	52T 40	5260	Chain0	5.89	6.0
802.11ax HE20	52T 40	5260	Chain1	2.14	4.0
802.11ax HE20	52T 40	5260	MIMO	7.42	8.1

802.11ax HE20	52T 40	5280	Chain0	5.20	6.0
802.11ax HE20	52T 40	5280	Chain1	2.23	4.0
802.11ax HE20	52T 40	5280	MIMO	6.97	8.1
802.11ax HE20	52T 40	5320	Chain0	5.12	6.0
802.11ax HE20	52T 40	5320	Chain1	2.05	4.0
802.11ax HE20	52T 40	5320	MIMO	6.86	8.1
802.11ax HE20	106T 53	5260	Chain0	7.91	8.0
802.11ax HE20	106T 53	5260	Chain1	5.15	6.0
802.11ax HE20	106T 53	5260	MIMO	9.76	10.1
802.11ax HE20	106T 53	5280	Chain0	7.59	8.0
802.11ax HE20	106T 53	5280	Chain1	4.84	6.0
802.11ax HE20	106T 53	5280	MIMO	9.44	10.1
802.11ax HE20	106T 53	5320	Chain0	7.35	8.0
802.11ax HE20	106T 53	5320	Chain1	5.15	6.0
802.11ax HE20	106T 53	5320	MIMO	9.40	10.1
802.11ax HE20	106T 54	5260	Chain0	7.92	8.0
802.11ax HE20	106T 54	5260	Chain1	4.78	6.0
802.11ax HE20	106T 54	5260	MIMO	9.64	10.1
802.11ax HE20	106T 54	5280	Chain0	7.51	8.0
802.11ax HE20	106T 54	5280	Chain1	4.79	6.0
802.11ax HE20	106T 54	5280	MIMO	9.37	10.1
802.11ax HE20	106T 54	5320	Chain0	7.33	8.0
802.11ax HE20	106T 54	5320	Chain1	5.07	6.0
802.11ax HE20	106T 54	5320	MIMO	9.36	10.1
802.11ax HE20	242T 61	5260	Chain0	10.67	12.0
802.11ax HE20	242T 61	5260	Chain1	8.84	10.0
802.11ax HE20	242T 61	5260	MIMO	12.86	14.1
802.11ax HE20	242T 61	5280	Chain0	11.15	12.0
802.11ax HE20	242T 61	5280	Chain1	8.79	10.0
802.11ax HE20	242T 61	5280	MIMO	13.14	14.1
802.11ax HE20	242T 61	5320	Chain0	11.16	12.0
802.11ax HE20	242T 61	5320	Chain1	8.82	10.0

802.11ax HE20	242T 61	5320	MIMO	13.16	14.1
802.11ax HE40	26T 0	5270	Chain0	2.66	3.0
802.11ax HE40	26T 0	5270	Chain1	0.22	1.0
802.11ax HE40	26T 0	5270	MIMO	4.62	5.1
802.11ax HE40	26T 0	5310	Chain0	2.47	3.0
802.11ax HE40	26T 0	5310	Chain1	0.00	1.0
802.11ax HE40	26T 0	5310	MIMO	4.42	5.1
802.11ax HE40	26T 10	5270	Chain0	2.54	3.0
802.11ax HE40	26T 10	5270	Chain1	0.03	1.0
802.11ax HE40	26T 10	5270	MIMO	4.47	5.1
802.11ax HE40	26T 10	5310	Chain0	2.41	3.0
802.11ax HE40	26T 10	5310	Chain1	-0.16	1.0
802.11ax HE40	26T 10	5310	MIMO	4.32	5.1
802.11ax HE40	26T 17	5270	Chain0	2.52	3.0
802.11ax HE40	26T 17	5270	Chain1	0.04	1.0
802.11ax HE40	26T 17	5270	MIMO	4.46	5.1
802.11ax HE40	26T 17	5310	Chain0	2.59	3.0
802.11ax HE40	26T 17	5310	Chain1	-0.15	1.0
802.11ax HE40	26T 17	5310	MIMO	4.44	5.1
802.11ax HE40	52T 37	5270	Chain0	5.46	6.0
802.11ax HE40	52T 37	5270	Chain1	2.24	4.0
802.11ax HE40	52T 37	5270	MIMO	7.15	8.1
802.11ax HE40	52T 37	5310	Chain0	5.23	6.0
802.11ax HE40	52T 37	5310	Chain1	2.05	4.0
802.11ax HE40	52T 37	5310	MIMO	6.94	8.1
802.11ax HE40	52T 41	5270	Chain0	5.31	6.0
802.11ax HE40	52T 41	5270	Chain1	2.19	4.0
802.11ax HE40	52T 41	5270	MIMO	7.03	8.1
802.11ax HE40	52T 41	5310	Chain0	5.28	6.0
802.11ax HE40	52T 41	5310	Chain1	2.09	4.0
802.11ax HE40	52T 41	5310	MIMO	6.98	8.1
802.11ax HE40	52T 44	5270	Chain0	5.31	6.0

802.11ax HE40	52T 44	5270	Chain1	2.00	4.0
802.11ax HE40	52T 44	5270	MIMO	6.97	8.1
802.11ax HE40	52T 44	5310	Chain0	5.11	6.0
802.11ax HE40	52T 44	5310	Chain1	2.11	4.0
802.11ax HE40	52T 44	5310	MIMO	6.87	8.1
802.11ax HE40	106T 53	5270	Chain0	7.22	8.0
802.11ax HE40	106T 53	5270	Chain1	4.05	6.0
802.11ax HE40	106T 53	5270	MIMO	8.93	10.1
802.11ax HE40	106T 53	5310	Chain0	7.53	8.0
802.11ax HE40	106T 53	5310	Chain1	4.05	6.0
802.11ax HE40	106T 53	5310	MIMO	9.14	10.1
802.11ax HE40	106T 55	5270	Chain0	7.14	8.0
802.11ax HE40	106T 55	5270	Chain1	5.15	6.0
802.11ax HE40	106T 55	5270	MIMO	9.27	10.1
802.11ax HE40	106T 55	5310	Chain0	7.59	8.0
802.11ax HE40	106T 55	5310	Chain1	4.88	6.0
802.11ax HE40	106T 55	5310	MIMO	9.45	10.1
802.11ax HE40	106T 56	5270	Chain0	7.15	8.0
802.11ax HE40	106T 56	5270	Chain1	4.13	6.0
802.11ax HE40	106T 56	5270	MIMO	8.91	10.1
802.11ax HE40	106T 56	5310	Chain0	7.59	8.0
802.11ax HE40	106T 56	5310	Chain1	4.01	6.0
802.11ax HE40	106T 56	5310	MIMO	9.17	10.1
802.11ax HE40	242T 61	5270	Chain0	7.09	8.0
802.11ax HE40	242T 61	5270	Chain1	5.00	6.0
802.11ax HE40	242T 61	5270	MIMO	9.18	10.1
802.11ax HE40	242T 61	5310	Chain0	7.71	8.0
802.11ax HE40	242T 61	5310	Chain1	4.61	6.0
802.11ax HE40	242T 61	5310	MIMO	9.44	10.1
802.11ax HE40	242T 62	5270	Chain0	7.22	8.0
802.11ax HE40	242T 62	5270	Chain1	4.75	6.0
802.11ax HE40	242T 62	5270	MIMO	9.17	10.1

802.11ax HE40	242T 62	5310	Chain0	7.55	8.0
802.11ax HE40	242T 62	5310	Chain1	4.69	6.0
802.11ax HE40	242T 62	5310	MIMO	9.36	10.1
802.11ax HE40	484T 65	5270	Chain0	11.94	12.0
802.11ax HE40	484T 65	5270	Chain1	9.43	10.0
802.11ax HE40	484T 65	5270	MIMO	13.87	14.1
802.11ax HE40	484T 65	5310	Chain0	11.90	12.0
802.11ax HE40	484T 65	5310	Chain1	9.43	10.0
802.11ax HE40	484T 65	5310	MIMO	13.85	14.1
802.11ax HE80	26T 0	5290	Chain0	2.77	3.0
802.11ax HE80	26T 0	5290	Chain1	0.31	1.0
802.11ax HE80	26T 0	5290	MIMO	4.72	5.1
802.11ax HE80	26T 18	5290	Chain0	2.68	3.0
802.11ax HE80	26T 18	5290	Chain1	0.38	1.0
802.11ax HE80	26T 18	5290	MIMO	4.69	5.1
802.11ax HE80	26T 36	5290	Chain0	2.68	3.0
802.11ax HE80	26T 36	5290	Chain1	0.21	1.0
802.11ax HE80	26T 36	5290	MIMO	4.63	5.1
802.11ax HE80	52T 37	5290	Chain0	5.35	6.0
802.11ax HE80	52T 37	5290	Chain1	2.55	4.0
802.11ax HE80	52T 37	5290	MIMO	7.18	8.1
802.11ax HE80	52T 45	5290	Chain0	5.63	6.0
802.11ax HE80	52T 45	5290	Chain1	2.24	4.0
802.11ax HE80	52T 45	5290	MIMO	7.27	8.1
802.11ax HE80	52T 52	5290	Chain0	5.59	6.0
802.11ax HE80	52T 52	5290	Chain1	2.34	4.0
802.11ax HE80	52T 52	5290	MIMO	7.27	8.1
802.11ax HE80	106T 53	5290	Chain0	7.45	8.0
802.11ax HE80	106T 53	5290	Chain1	4.36	6.0
802.11ax HE80	106T 53	5290	MIMO	9.18	10.1
802.11ax HE80	106T 57	5290	Chain0	7.34	8.0
802.11ax HE80	106T 57	5290	Chain1	4.34	6.0

802.11ax HE80	106T 57	5290	MIMO	9.10	10.1
802.11ax HE80	106T 60	5290	Chain0	7.25	8.0
802.11ax HE80	106T 60	5290	Chain1	4.38	6.0
802.11ax HE80	106T 60	5290	MIMO	9.06	10.1
802.11ax HE80	242T 61	5290	Chain0	7.85	8.0
802.11ax HE80	242T 61	5290	Chain1	4.13	6.0
802.11ax HE80	242T 61	5290	MIMO	9.39	10.1
802.11ax HE80	242T 63	5290	Chain0	7.95	8.0
802.11ax HE80	242T 63	5290	Chain1	4.17	6.0
802.11ax HE80	242T 63	5290	MIMO	9.47	10.1
802.11ax HE80	242T 64	5290	Chain0	7.84	8.0
802.11ax HE80	242T 64	5290	Chain1	4.06	6.0
802.11ax HE80	242T 64	5290	MIMO	9.36	10.1
802.11ax HE80	484T 65	5290	Chain0	7.60	8.0
802.11ax HE80	484T 65	5290	Chain1	5.22	6.0
802.11ax HE80	484T 65	5290	MIMO	9.58	10.1
802.11ax HE80	484T 66	5290	Chain0	7.47	8.0
802.11ax HE80	484T 66	5290	Chain1	5.23	6.0
802.11ax HE80	484T 66	5290	MIMO	9.50	10.1
802.11ax HE80	996T 67	5290	Chain0	11.71	12.0
802.11ax HE80	996T 67	5290	Chain1	9.06	10.0
802.11ax HE80	996T 67	5290	MIMO	13.59	14.1

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conductedaverage power output(dBm)	Tuneup (dBm)
802.11be HE20	26T 0	5260	Chain1	0.68	1.0
802.11be HE20	26T 0	5260	Chain0	1.68	3.0
802.11be HE20	26T 0	5260	MIMO	4.22	5.1
802.11be HE20	26T 0	5280	Chain1	0.66	1.0
802.11be HE20	26T 0	5280	Chain0	1.35	3.0
802.11be HE20	26T 0	5280	MIMO	4.03	5.1
802.11be HE20	26T 0	5320	Chain1	0.38	1.0

802.11be HE20	26T 0	5320	Chain0	2.08	3.0
802.11be HE20	26T 0	5320	MIMO	4.32	5.1
802.11be HE20	26T 4	5260	Chain1	0.81	1.0
802.11be HE20	26T 4	5260	Chain0	1.65	3.0
802.11be HE20	26T 4	5260	MIMO	4.26	5.1
802.11be HE20	26T 4	5280	Chain1	0.61	1.0
802.11be HE20	26T 4	5280	Chain0	1.56	3.0
802.11be HE20	26T 4	5280	MIMO	4.12	5.1
802.11be HE20	26T 4	5320	Chain1	0.46	1.0
802.11be HE20	26T 4	5320	Chain0	1.96	3.0
802.11be HE20	26T 4	5320	MIMO	4.28	5.1
802.11be HE20	26T 8	5260	Chain1	0.42	1.0
802.11be HE20	26T 8	5260	Chain0	1.77	3.0
802.11be HE20	26T 8	5260	MIMO	4.16	5.1
802.11be HE20	26T 8	5280	Chain1	0.54	1.0
802.11be HE20	26T 8	5280	Chain0	1.77	3.0
802.11be HE20	26T 8	5280	MIMO	4.21	5.1
802.11be HE20	26T 8	5320	Chain1	0.43	1.0
802.11be HE20	26T 8	5320	Chain0	2.12	3.0
802.11be HE20	26T 8	5320	MIMO	4.37	5.1
802.11be HE20	52T 37	5260	Chain1	3.59	4.0
802.11be HE20	52T 37	5260	Chain0	5.15	6.0
802.11be HE20	52T 37	5260	MIMO	7.45	8.1
802.11be HE20	52T 37	5280	Chain1	3.70	4.0
802.11be HE20	52T 37	5280	Chain0	5.05	6.0
802.11be HE20	52T 37	5280	MIMO	7.44	8.1
802.11be HE20	52T 37	5320	Chain1	3.14	4.0
802.11be HE20	52T 37	5320	Chain0	5.24	6.0
802.11be HE20	52T 37	5320	MIMO	7.33	8.1
802.11be HE20	52T 39	5260	Chain1	3.45	4.0
802.11be HE20	52T 39	5260	Chain0	4.99	6.0
802.11be HE20	52T 39	5260	MIMO	7.30	8.1

802.11be HE20	52T 39	5280	Chain1	3.58	4.0
802.11be HE20	52T 39	5280	Chain0	5.07	6.0
802.11be HE20	52T 39	5280	MIMO	7.40	8.1
802.11be HE20	52T 39	5320	Chain1	2.88	4.0
802.11be HE20	52T 39	5320	Chain0	5.16	6.0
802.11be HE20	52T 39	5320	MIMO	7.18	8.1
802.11be HE20	52T 40	5260	Chain1	3.35	4.0
802.11be HE20	52T 40	5260	Chain0	4.95	6.0
802.11be HE20	52T 40	5260	MIMO	7.23	8.1
802.11be HE20	52T 40	5280	Chain1	3.69	4.0
802.11be HE20	52T 40	5280	Chain0	5.08	6.0
802.11be HE20	52T 40	5280	MIMO	7.45	8.1
802.11be HE20	52T 40	5320	Chain1	3.00	4.0
802.11be HE20	52T 40	5320	Chain0	5.12	6.0
802.11be HE20	52T 40	5320	MIMO	7.20	8.1
802.11be HE20	106T 53	5260	Chain1	5.37	6.0
802.11be HE20	106T 53	5260	Chain0	6.78	8.0
802.11be HE20	106T 53	5260	MIMO	9.14	10.1
802.11be HE20	106T 53	5280	Chain1	5.23	6.0
802.11be HE20	106T 53	5280	Chain0	6.77	8.0
802.11be HE20	106T 53	5280	MIMO	9.08	10.1
802.11be HE20	106T 53	5320	Chain1	5.02	6.0
802.11be HE20	106T 53	5320	Chain0	7.29	8.0
802.11be HE20	106T 53	5320	MIMO	9.31	10.1
802.11be HE20	106T 54	5260	Chain1	5.44	6.0
802.11be HE20	106T 54	5260	Chain0	6.80	8.0
802.11be HE20	106T 54	5260	MIMO	9.18	10.1
802.11be HE20	106T 54	5280	Chain1	5.20	6.0
802.11be HE20	106T 54	5280	Chain0	7.01	8.0
802.11be HE20	106T 54	5280	MIMO	9.21	10.1
802.11be HE20	106T 54	5320	Chain1	5.13	6.0
802.11be HE20	106T 54	5320	Chain0	7.19	8.0

802.11be HE20	106T 54	5320	MIMO	9.29	10.1
802.11be HE20	242T 61	5260	Chain1	8.54	10.0
802.11be HE20	242T 61	5260	Chain0	11.10	12.0
802.11be HE20	242T 61	5260	MIMO	13.02	14.1
802.11be HE20	242T 61	5280	Chain1	8.42	10.0
802.11be HE20	242T 61	5280	Chain0	11.15	12.0
802.11be HE20	242T 61	5280	MIMO	13.01	14.1
802.11be HE20	242T 61	5320	Chain1	8.35	10.0
802.11be HE20	242T 61	5320	Chain0	11.46	12.0
802.11be HE20	242T 61	5320	MIMO	13.19	14.1
802.11be HE20	26+52	5260	Chain1	3.46	4.0
802.11be HE20	26+52	5260	Chain0	5.08	6.0
802.11be HE20	26+52	5260	MIMO	7.36	8.1
802.11be HE20	26+52	5280	Chain1	3.44	4.0
802.11be HE20	26+52	5280	Chain0	5.08	6.0
802.11be HE20	26+52	5280	MIMO	7.35	8.1
802.11be HE20	26+52	5320	Chain1	2.90	4.0
802.11be HE20	26+52	5320	Chain0	5.38	6.0
802.11be HE20	26+52	5320	MIMO	7.32	8.1
802.11be HE20	26+106	5260	Chain1	5.48	6.0
802.11be HE20	26+106	5260	Chain0	6.84	8.0
802.11be HE20	26+106	5260	MIMO	9.22	10.1
802.11be HE20	26+106	5280	Chain1	5.16	6.0
802.11be HE20	26+106	5280	Chain0	7.04	8.0
802.11be HE20	26+106	5280	MIMO	9.21	10.1
802.11be HE20	26+106	5320	Chain1	5.06	6.0
802.11be HE20	26+106	5320	Chain0	7.30	8.0
802.11be HE20	26+106	5320	MIMO	9.33	10.1
802.11be HE40	26T 0	5270	Chain1	0.82	1.0
802.11be HE40	26T 0	5270	Chain0	1.96	3.0
802.11be HE40	26T 0	5270	MIMO	4.44	5.1
802.11be HE40	26T 0	5310	Chain1	0.78	1.0

802.11be HE40	26T 0	5310	Chain0	1.25	3.0
802.11be HE40	26T 0	5310	MIMO	4.03	5.1
802.11be HE40	26T 10	5270	Chain1	0.76	1.0
802.11be HE40	26T 10	5270	Chain0	1.89	3.0
802.11be HE40	26T 10	5270	MIMO	4.37	5.1
802.11be HE40	26T 10	5310	Chain1	0.91	1.0
802.11be HE40	26T 10	5310	Chain0	0.85	3.0
802.11be HE40	26T 10	5310	MIMO	3.89	5.1
802.11be HE40	26T 4	5270	Chain1	0.86	1.0
802.11be HE40	26T 4	5270	Chain0	1.67	3.0
802.11be HE40	26T 4	5270	MIMO	4.29	5.1
802.11be HE40	26T 4	5310	Chain1	1.13	1.0
802.11be HE40	26T 4	5310	Chain0	1.13	3.0
802.11be HE40	26T 4	5310	MIMO	4.14	5.1
802.11be HE40	26T 17	5270	Chain1	0.93	1.0
802.11be HE40	26T 17	5270	Chain0	1.93	3.0
802.11be HE40	26T 17	5270	MIMO	4.47	5.1
802.11be HE40	26T 17	5310	Chain1	0.97	1.0
802.11be HE40	26T 17	5310	Chain0	1.06	3.0
802.11be HE40	26T 17	5310	MIMO	4.03	5.1
802.11be HE40	26T 8	5270	Chain1	0.86	1.0
802.11be HE40	26T 8	5270	Chain0	1.77	3.0
802.11be HE40	26T 8	5270	MIMO	4.35	5.1
802.11be HE40	26T 8	5310	Chain1	0.77	1.0
802.11be HE40	26T 8	5310	Chain0	1.10	3.0
802.11be HE40	26T 8	5310	MIMO	3.95	5.1
802.11be HE40	52T 37	5270	Chain1	3.86	4.0
802.11be HE40	52T 37	5270	Chain0	5.30	6.0
802.11be HE40	52T 37	5270	MIMO	7.65	8.1
802.11be HE40	52T 37	5310	Chain1	4.11	4.0
802.11be HE40	52T 37	5310	Chain0	4.23	6.0
802.11be HE40	52T 37	5310	MIMO	7.18	8.1

802.11be HE40	52T 39	5270	Chain1	3.67	4.0
802.11be HE40	52T 39	5270	Chain0	5.34	6.0
802.11be HE40	52T 39	5270	MIMO	7.60	8.1
802.11be HE40	52T 39	5310	Chain1	3.91	4.0
802.11be HE40	52T 39	5310	Chain0	4.45	6.0
802.11be HE40	52T 39	5310	MIMO	7.20	8.1
802.11be HE40	52T 41	5270	Chain1	3.87	4.0
802.11be HE40	52T 41	5270	Chain0	5.17	6.0
802.11be HE40	52T 41	5270	MIMO	7.58	8.1
802.11be HE40	52T 41	5310	Chain1	3.90	4.0
802.11be HE40	52T 41	5310	Chain0	4.32	6.0
802.11be HE40	52T 41	5310	MIMO	7.13	8.1
802.11be HE40	52T 40	5270	Chain1	3.77	4.0
802.11be HE40	52T 40	5270	Chain0	5.29	6.0
802.11be HE40	52T 40	5270	MIMO	7.61	8.1
802.11be HE40	52T 40	5310	Chain1	3.89	4.0
802.11be HE40	52T 40	5310	Chain0	4.45	6.0
802.11be HE40	52T 40	5310	MIMO	7.19	8.1
802.11be HE40	52T 44	5270	Chain1	3.72	4.0
802.11be HE40	52T 44	5270	Chain0	5.13	6.0
802.11be HE40	52T 44	5270	MIMO	7.49	8.1
802.11be HE40	52T 44	5310	Chain1	3.88	4.0
802.11be HE40	52T 44	5310	Chain0	4.55	6.0
802.11be HE40	52T 44	5310	MIMO	7.24	8.1
802.11be HE40	106T 53	5270	Chain1	5.87	6.0
802.11be HE40	106T 53	5270	Chain0	7.01	8.0
802.11be HE40	106T 53	5270	MIMO	9.49	10.1
802.11be HE40	106T 53	5310	Chain1	6.00	6.0
802.11be HE40	106T 53	5310	Chain0	6.76	8.0
802.11be HE40	106T 53	5310	MIMO	9.41	10.1
802.11be HE40	106T 54	5270	Chain1	5.79	6.0
802.11be HE40	106T 54	5270	Chain0	6.98	8.0

802.11be HE40	106T 54	5270	MIMO	9.44	10.1
802.11be HE40	106T 54	5310	Chain1	5.97	6.0
802.11be HE40	106T 54	5310	Chain0	6.67	8.0
802.11be HE40	106T 54	5310	MIMO	9.34	10.1
802.11be HE40	106T 55	5270	Chain1	5.81	6.0
802.11be HE40	106T 55	5270	Chain0	7.10	8.0
802.11be HE40	106T 55	5270	MIMO	9.51	10.1
802.11be HE40	106T 55	5310	Chain1	5.64	6.0
802.11be HE40	106T 55	5310	Chain0	6.73	8.0
802.11be HE40	106T 55	5310	MIMO	9.44	10.1
802.11be HE40	106T 56	5270	Chain1	5.70	6.0
802.11be HE40	106T 56	5270	Chain0	7.06	8.0
802.11be HE40	106T 56	5270	MIMO	9.44	10.1
802.11be HE40	106T 56	5310	Chain1	5.04	6.0
802.11be HE40	106T 56	5310	Chain0	6.66	8.0
802.11be HE40	106T 56	5310	MIMO	9.37	10.1
802.11be HE40	242T 61	5270	Chain1	5.58	6.0
802.11be HE40	242T 61	5270	Chain0	6.80	8.0
802.11be HE40	242T 61	5270	MIMO	9.24	10.1
802.11be HE40	242T 61	5310	Chain1	5.61	6.0
802.11be HE40	242T 61	5310	Chain0	6.85	8.0
802.11be HE40	242T 61	5310	MIMO	9.28	10.1
802.11be HE40	242T 62	5270	Chain1	5.53	6.0
802.11be HE40	242T 62	5270	Chain0	6.71	8.0
802.11be HE40	242T 62	5270	MIMO	9.17	10.1
802.11be HE40	242T 62	5310	Chain1	5.74	6.0
802.11be HE40	242T 62	5310	Chain0	6.89	8.0
802.11be HE40	242T 62	5310	MIMO	9.36	10.1
802.11be HE40	484T 65	5270	Chain1	8.74	10.0
802.11be HE40	484T 65	5270	Chain0	11.42	12.0
802.11be HE40	484T 65	5270	MIMO	13.29	14.1
802.11be HE40	484T 65	5310	Chain1	8.79	10.0

802.11be HE40	484T 65	5310	Chain0	11.81	12.0
802.11be HE40	484T 65	5310	MIMO	13.57	14.1
802.11be HE40	26+52	5270	Chain1	3.98	4.0
802.11be HE40	26+52	5270	Chain0	5.23	6.0
802.11be HE40	26+52	5270	MIMO	7.66	8.1
802.11be HE40	26+52	5310	Chain1	3.97	4.0
802.11be HE40	26+52	5310	Chain0	4.66	6.0
802.11be HE40	26+52	5310	MIMO	7.34	8.1
802.11be HE40	26+106	5270	Chain1	4.77	6.0
802.11be HE40	26+106	5270	Chain0	7.07	8.0
802.11be HE40	26+106	5270	MIMO	9.08	10.1
802.11be HE40	26+106	5310	Chain1	5.00	6.0
802.11be HE40	26+106	5310	Chain0	6.81	8.0
802.11be HE40	26+106	5310	MIMO	9.01	10.1
802.11be HE80	26T 0	5290	Chain1	0.66	1.0
802.11be HE80	26T 0	5290	Chain0	1.46	3.0
802.11be HE80	26T 0	5290	MIMO	4.09	5.1
802.11be HE80	26T 18	5290	Chain1	0.67	1.0
802.11be HE80	26T 18	5290	Chain0	1.49	3.0
802.11be HE80	26T 18	5290	MIMO	4.11	5.1
802.11be HE80	26T 4	5290	Chain1	0.58	1.0
802.11be HE80	26T 4	5290	Chain0	1.67	3.0
802.11be HE80	26T 4	5290	MIMO	4.17	5.1
802.11be HE80	26T 36	5290	Chain1	0.73	1.0
802.11be HE80	26T 36	5290	Chain0	1.49	3.0
802.11be HE80	26T 36	5290	MIMO	4.14	5.1
802.11be HE80	26T 8	5290	Chain1	0.89	1.0
802.11be HE80	26T 8	5290	Chain0	1.46	3.0
802.11be HE80	26T 8	5290	MIMO	4.19	5.1
802.11be HE80	52T 37	5290	Chain1	3.66	4.0
802.11be HE80	52T 37	5290	Chain0	4.68	6.0
802.11be HE80	52T 37	5290	MIMO	7.21	8.1

802.11be HE80	52T 39	5290	Chain1	3.85	4.0
802.11be HE80	52T 39	5290	Chain0	4.82	6.0
802.11be HE80	52T 39	5290	MIMO	7.37	8.1
802.11be HE80	52T 45	5290	Chain1	2.52	4.0
802.11be HE80	52T 45	5290	Chain0	4.89	6.0
802.11be HE80	52T 45	5290	MIMO	6.88	8.1
802.11be HE80	52T 40	5290	Chain1	2.80	4.0
802.11be HE80	52T 40	5290	Chain0	4.70	6.0
802.11be HE80	52T 40	5290	MIMO	6.86	8.1
802.11be HE80	52T 52	5290	Chain1	2.82	4.0
802.11be HE80	52T 52	5290	Chain0	4.48	6.0
802.11be HE80	52T 52	5290	MIMO	6.74	8.1
802.11be HE80	106T 53	5290	Chain1	4.62	6.0
802.11be HE80	106T 53	5290	Chain0	6.91	8.0
802.11be HE80	106T 53	5290	MIMO	8.92	10.1
802.11be HE80	106T 54	5290	Chain1	4.78	6.0
802.11be HE80	106T 54	5290	Chain0	6.94	8.0
802.11be HE80	106T 54	5290	MIMO	9.00	10.1
802.11be HE80	106T 57	5290	Chain1	4.71	6.0
802.11be HE80	106T 57	5290	Chain0	6.83	8.0
802.11be HE80	106T 57	5290	MIMO	8.91	10.1
802.11be HE80	106T 60	5290	Chain1	4.75	6.0
802.11be HE80	106T 60	5290	Chain0	6.96	8.0
802.11be HE80	106T 60	5290	MIMO	9.00	10.1
802.11be HE80	242T 61	5290	Chain1	4.58	6.0
802.11be HE80	242T 61	5290	Chain0	6.63	8.0
802.11be HE80	242T 61	5290	MIMO	8.74	10.1
802.11be HE80	242T 63	5290	Chain1	4.57	6.0
802.11be HE80	242T 63	5290	Chain0	6.61	8.0
802.11be HE80	242T 63	5290	MIMO	8.72	10.1
802.11be HE80	242T 64	5290	Chain1	4.64	6.0
802.11be HE80	242T 64	5290	Chain0	6.54	8.0

802.11be HE80	242T 64	5290	MIMO	8.70	10.1
802.11be HE80	484T 65	5290	Chain1	4.33	6.0
802.11be HE80	484T 65	5290	Chain0	6.39	8.0
802.11be HE80	484T 65	5290	MIMO	8.49	10.1
802.11be HE80	484T 66	5290	Chain1	4.37	6.0
802.11be HE80	484T 66	5290	Chain0	6.51	8.0
802.11be HE80	484T 66	5290	MIMO	8.58	10.1
802.11be HE80	996T 67	5290	Chain1	8.97	10.0
802.11be HE80	996T 67	5290	Chain0	11.70	12.0
802.11be HE80	996T 67	5290	MIMO	13.56	14.1
802.11be HE80	26+52	5290	Chain1	1.84	4.0
802.11be HE80	26+52	5290	Chain0	4.57	6.0
802.11be HE80	26+52	5290	MIMO	6.43	8.1
802.11be HE80	242+484	5290	Chain1	3.97	6.0
802.11be HE80	242+484	5290	Chain0	6.48	8.0
802.11be HE80	242+484	5290	MIMO	8.41	10.1

Wi-Fi5GHz UNII-2C

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11a	NA	5500	Chain0	11.38	12.0
802.11a	NA	5500	Chain1	9.15	10.0
802.11a	NA	5580	Chain0	11.65	12.0
802.11a	NA	5580	Chain1	8.65	10.0
802.11a	NA	5700	Chain0	11.24	12.0
802.11a	NA	5700	Chain1	8.73	10.0
802.11n HT20	NA	5500	Chain0	11.38	12.0
802.11n HT20	NA	5500	Chain1	9.15	10.0
802.11n HT20	NA	5500	MIMO	13.42	14.1
802.11n HT20	NA	5580	Chain0	11.84	12.0
802.11n HT20	NA	5580	Chain1	8.74	10.0
802.11n HT20	NA	5580	MIMO	13.57	14.1
802.11n HT20	NA	5700	Chain0	11.46	12.0
802.11n HT20	NA	5700	Chain1	9.02	10.0
802.11n HT20	NA	5700	MIMO	13.42	14.1
802.11ac VHT20	NA	5500	Chain0	10.42	12.0
802.11ac VHT20	NA	5500	Chain1	9.29	10.0
802.11ac VHT20	NA	5500	MIMO	12.90	14.1
802.11ac VHT20	NA	5580	Chain0	10.68	12.0
802.11ac VHT20	NA	5580	Chain1	8.79	10.0
802.11ac VHT20	NA	5580	MIMO	12.85	14.1
802.11ac VHT20	NA	5700	Chain0	10.25	12.0
802.11ac VHT20	NA	5700	Chain1	8.95	10.0
802.11ac VHT20	NA	5700	MIMO	12.66	14.1
802.11n HT40	NA	5510	Chain0	11.18	12.0
802.11n HT40	NA	5510	Chain1	9.02	10.0
802.11n HT40	NA	5510	MIMO	13.24	14.1
802.11n HT40	NA	5590	Chain0	11.16	12.0

802.11n HT40	NA	5590	Chain1	9.29	10.0
802.11n HT40	NA	5590	MIMO	13.34	14.1
802.11n HT40	NA	5670	Chain0	10.77	12.0
802.11n HT40	NA	5670	Chain1	9.50	10.0
802.11n HT40	NA	5670	MIMO	13.19	14.1
802.11ac VHT40	NA	5510	Chain0	10.98	12.0
802.11ac VHT40	NA	5510	Chain1	9.91	10.0
802.11ac VHT40	NA	5510	MIMO	13.49	14.1
802.11ac VHT40	NA	5590	Chain0	11.02	12.0
802.11ac VHT40	NA	5590	Chain1	9.31	10.0
802.11ac VHT40	NA	5590	MIMO	13.26	14.1
802.11ac VHT40	NA	5670	Chain0	10.56	12.0
802.11ac VHT40	NA	5670	Chain1	9.46	10.0
802.11ac VHT40	NA	5670	MIMO	13.06	14.1
802.11ac VHT80	NA	5530	Chain0	11.57	12.0
802.11ac VHT80	NA	5530	Chain1	9.36	10.0
802.11ac VHT80	NA	5530	MIMO	13.61	14.1
802.11ac VHT80	NA	5610	Chain0	11.57	12.0
802.11ac VHT80	NA	5610	Chain1	9.35	10.0
802.11ac VHT80	NA	5610	MIMO	13.61	14.1
802.11ac VHT160	NA	5570	Chain0	11.88	12.0
802.11ac VHT160	NA	5570	Chain1	9.75	10.0
802.11ac VHT160	NA	5570	MIMO	13.95	14.1

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11ax HE20	26T 0	5500	Chain0	2.53	3.0
802.11ax HE20	26T 0	5500	Chain1	0.22	1.0
802.11ax HE20	26T 0	5500	MIMO	4.54	5.1
802.11ax HE20	26T 0	5580	Chain0	2.86	3.0

802.11ax HE20	26T 0	5580	Chain1	0.35	1.0
802.11ax HE20	26T 0	5580	MIMO	4.79	5.1
802.11ax HE20	26T 0	5700	Chain0	1.80	3.0
802.11ax HE20	26T 0	5700	Chain1	-0.33	1.0
802.11ax HE20	26T 0	5700	MIMO	3.87	5.1
802.11ax HE20	26T 4	5500	Chain0	2.64	3.0
802.11ax HE20	26T 4	5500	Chain1	0.11	1.0
802.11ax HE20	26T 4	5500	MIMO	4.57	5.1
802.11ax HE20	26T 4	5580	Chain0	2.90	3.0
802.11ax HE20	26T 4	5580	Chain1	0.50	1.0
802.11ax HE20	26T 4	5580	MIMO	4.87	5.1
802.11ax HE20	26T 4	5700	Chain0	1.83	3.0
802.11ax HE20	26T 4	5700	Chain1	-0.27	1.0
802.11ax HE20	26T 4	5700	MIMO	3.92	5.1
802.11ax HE20	26T 8	5500	Chain0	2.57	3.0
802.11ax HE20	26T 8	5500	Chain1	0.05	1.0
802.11ax HE20	26T 8	5500	MIMO	4.50	5.1
802.11ax HE20	26T 8	5580	Chain0	2.75	3.0
802.11ax HE20	26T 8	5580	Chain1	0.53	1.0
802.11ax HE20	26T 8	5580	MIMO	4.79	5.1
802.11ax HE20	26T 8	5700	Chain0	1.80	3.0
802.11ax HE20	26T 8	5700	Chain1	-0.19	1.0
802.11ax HE20	26T 8	5700	MIMO	3.93	5.1
802.11ax HE20	52T 37	5500	Chain0	4.43	6.0
802.11ax HE20	52T 37	5500	Chain1	1.91	4.0
802.11ax HE20	52T 37	5500	MIMO	6.36	8.1
802.11ax HE20	52T 37	5580	Chain0	5.93	6.0
802.11ax HE20	52T 37	5580	Chain1	1.78	4.0
802.11ax HE20	52T 37	5580	MIMO	7.34	8.1
802.11ax HE20	52T 37	5700	Chain0	4.85	6.0
802.11ax HE20	52T 37	5700	Chain1	1.51	4.0
802.11ax HE20	52T 37	5700	MIMO	6.50	8.1

802.11ax HE20	52T 39	5500	Chain0	4.60	6.0
802.11ax HE20	52T 39	5500	Chain1	1.74	4.0
802.11ax HE20	52T 39	5500	MIMO	6.41	8.1
802.11ax HE20	52T 39	5580	Chain0	5.75	6.0
802.11ax HE20	52T 39	5580	Chain1	1.98	4.0
802.11ax HE20	52T 39	5580	MIMO	7.27	8.1
802.11ax HE20	52T 39	5700	Chain0	4.78	6.0
802.11ax HE20	52T 39	5700	Chain1	1.70	4.0
802.11ax HE20	52T 39	5700	MIMO	6.52	8.1
802.11ax HE20	52T 40	5500	Chain0	4.46	6.0
802.11ax HE20	52T 40	5500	Chain1	1.82	4.0
802.11ax HE20	52T 40	5500	MIMO	6.35	8.1
802.11ax HE20	52T 40	5580	Chain0	5.73	6.0
802.11ax HE20	52T 40	5580	Chain1	1.76	4.0
802.11ax HE20	52T 40	5580	MIMO	7.19	8.1
802.11ax HE20	52T 40	5700	Chain0	4.78	6.0
802.11ax HE20	52T 40	5700	Chain1	1.64	4.0
802.11ax HE20	52T 40	5700	MIMO	6.50	8.1
802.11ax HE20	106T 53	5500	Chain0	6.59	8.0
802.11ax HE20	106T 53	5500	Chain1	4.99	6.0
802.11ax HE20	106T 53	5500	MIMO	8.87	10.1
802.11ax HE20	106T 53	5580	Chain0	6.56	8.0
802.11ax HE20	106T 53	5580	Chain1	4.98	6.0
802.11ax HE20	106T 53	5580	MIMO	8.85	10.1
802.11ax HE20	106T 53	5700	Chain0	6.66	8.0
802.11ax HE20	106T 53	5700	Chain1	4.54	6.0
802.11ax HE20	106T 53	5700	MIMO	8.74	10.1
802.11ax HE20	106T 54	5500	Chain0	6.47	8.0
802.11ax HE20	106T 54	5500	Chain1	5.05	6.0
802.11ax HE20	106T 54	5500	MIMO	8.83	10.1
802.11ax HE20	106T 54	5580	Chain0	6.84	8.0
802.11ax HE20	106T 54	5580	Chain1	5.01	6.0

802.11ax HE20	106T 54	5580	MIMO	9.03	10.1
802.11ax HE20	106T 54	5700	Chain0	6.77	8.0
802.11ax HE20	106T 54	5700	Chain1	4.52	6.0
802.11ax HE20	106T 54	5700	MIMO	8.80	10.1
802.11ax HE20	242T 61	5500	Chain0	11.48	12.0
802.11ax HE20	242T 61	5500	Chain1	9.42	10.0
802.11ax HE20	242T 61	5500	MIMO	13.58	14.1
802.11ax HE20	242T 61	5580	Chain0	11.80	12.0
802.11ax HE20	242T 61	5580	Chain1	8.97	10.0
802.11ax HE20	242T 61	5580	MIMO	13.62	14.1
802.11ax HE20	242T 61	5700	Chain0	11.46	12.0
802.11ax HE20	242T 61	5700	Chain1	9.21	10.0
802.11ax HE20	242T 61	5700	MIMO	13.49	14.1
802.11ax HE40	26T 0	5510	Chain0	2.14	3.0
802.11ax HE40	26T 0	5510	Chain1	-0.39	1.0
802.11ax HE40	26T 0	5510	MIMO	4.07	5.1
802.11ax HE40	26T 0	5670	Chain0	2.44	3.0
802.11ax HE40	26T 0	5670	Chain1	-0.28	1.0
802.11ax HE40	26T 0	5670	MIMO	4.30	5.1
802.11ax HE40	26T 10	5510	Chain0	2.24	3.0
802.11ax HE40	26T 10	5510	Chain1	-0.06	1.0
802.11ax HE40	26T 10	5510	MIMO	4.25	5.1
802.11ax HE40	26T 10	5670	Chain0	2.35	3.0
802.11ax HE40	26T 10	5670	Chain1	-0.40	1.0
802.11ax HE40	26T 10	5670	MIMO	4.20	5.1
802.11ax HE40	26T 17	5510	Chain0	1.99	3.0
802.11ax HE40	26T 17	5510	Chain1	0.05	1.0
802.11ax HE40	26T 17	5510	MIMO	4.14	5.1
802.11ax HE40	26T 17	5670	Chain0	2.51	3.0
802.11ax HE40	26T 17	5670	Chain1	-0.30	1.0
802.11ax HE40	26T 17	5670	MIMO	4.34	5.1
802.11ax HE40	52T 37	5510	Chain0	4.98	6.0

802.11ax HE40	52T 37	5510	Chain1	2.19	4.0
802.11ax HE40	52T 37	5510	MIMO	6.82	8.1
802.11ax HE40	52T 37	5670	Chain0	5.62	6.0
802.11ax HE40	52T 37	5670	Chain1	1.83	4.0
802.11ax HE40	52T 37	5670	MIMO	7.14	8.1
802.11ax HE40	52T 41	5510	Chain0	5.21	6.0
802.11ax HE40	52T 41	5510	Chain1	2.18	4.0
802.11ax HE40	52T 41	5510	MIMO	6.96	8.1
802.11ax HE40	52T 41	5670	Chain0	5.67	6.0
802.11ax HE40	52T 41	5670	Chain1	1.59	4.0
802.11ax HE40	52T 41	5670	MIMO	7.10	8.1
802.11ax HE40	52T 44	5510	Chain0	5.02	6.0
802.11ax HE40	52T 44	5510	Chain1	2.17	4.0
802.11ax HE40	52T 44	5510	MIMO	6.84	8.1
802.11ax HE40	52T 44	5670	Chain0	5.59	6.0
802.11ax HE40	52T 44	5670	Chain1	1.77	4.0
802.11ax HE40	52T 44	5670	MIMO	7.10	8.1
802.11ax HE40	106T 53	5510	Chain0	7.26	8.0
802.11ax HE40	106T 53	5510	Chain1	4.91	6.0
802.11ax HE40	106T 53	5510	MIMO	9.25	10.1
802.11ax HE40	106T 53	5670	Chain0	7.38	8.0
802.11ax HE40	106T 53	5670	Chain1	4.63	6.0
802.11ax HE40	106T 53	5670	MIMO	9.23	10.1
802.11ax HE40	106T 55	5510	Chain0	7.27	8.0
802.11ax HE40	106T 55	5510	Chain1	5.02	6.0
802.11ax HE40	106T 55	5510	MIMO	9.30	10.1
802.11ax HE40	106T 55	5670	Chain0	7.40	8.0
802.11ax HE40	106T 55	5670	Chain1	4.76	6.0
802.11ax HE40	106T 55	5670	MIMO	9.29	10.1
802.11ax HE40	106T 56	5510	Chain0	7.23	8.0
802.11ax HE40	106T 56	5510	Chain1	5.12	6.0
802.11ax HE40	106T 56	5510	MIMO	9.31	10.1

802.11ax HE40	106T 56	5670	Chain0	7.41	8.0
802.11ax HE40	106T 56	5670	Chain1	4.76	6.0
802.11ax HE40	106T 56	5670	MIMO	9.29	10.1
802.11ax HE40	242T 61	5510	Chain0	6.94	8.0
802.11ax HE40	242T 61	5510	Chain1	4.62	6.0
802.11ax HE40	242T 61	5510	MIMO	8.94	10.1
802.11ax HE40	242T 61	5670	Chain0	7.15	8.0
802.11ax HE40	242T 61	5670	Chain1	4.17	6.0
802.11ax HE40	242T 61	5670	MIMO	8.92	10.1
802.11ax HE40	242T 62	5510	Chain0	7.05	8.0
802.11ax HE40	242T 62	5510	Chain1	4.60	6.0
802.11ax HE40	242T 62	5510	MIMO	9.01	10.1
802.11ax HE40	242T 62	5670	Chain0	7.42	8.0
802.11ax HE40	242T 62	5670	Chain1	4.13	6.0
802.11ax HE40	242T 62	5670	MIMO	9.09	10.1
802.11ax HE40	484T 65	5510	Chain0	11.00	12.0
802.11ax HE40	484T 65	5510	Chain1	9.95	10.0
802.11ax HE40	484T 65	5510	MIMO	13.52	14.1
802.11ax HE40	484T 65	5670	Chain0	10.64	12.0
802.11ax HE40	484T 65	5670	Chain1	9.51	10.0
802.11ax HE40	484T 65	5670	MIMO	13.12	14.1
802.11ax HE80	26T 0	5530	Chain0	2.25	3.0
802.11ax HE80	26T 0	5530	Chain1	0.15	1.0
802.11ax HE80	26T 0	5530	MIMO	4.34	5.1
802.11ax HE80	26T 0	5610	Chain0	2.40	3.0
802.11ax HE80	26T 0	5610	Chain1	0.02	1.0
802.11ax HE80	26T 0	5610	MIMO	4.38	5.1
802.11ax HE80	26T 18	5530	Chain0	2.40	3.0
802.11ax HE80	26T 18	5530	Chain1	0.06	1.0
802.11ax HE80	26T 18	5530	MIMO	4.40	5.1
802.11ax HE80	26T 18	5610	Chain0	2.42	6.0
802.11ax HE80	26T 18	5610	Chain1	0.19	4.0

802.11ax HE80	26T 18	5610	MIMO	4.46	8.1
802.11ax HE80	26T 36	5530	Chain0	2.32	6.0
802.11ax HE80	26T 36	5530	Chain1	0.29	4.0
802.11ax HE80	26T 36	5530	MIMO	4.43	8.1
802.11ax HE80	26T 36	5610	Chain0	2.18	6.0
802.11ax HE80	26T 36	5610	Chain1	0.01	4.0
802.11ax HE80	26T 36	5610	MIMO	4.24	8.1
802.11ax HE80	52T 37	5530	Chain0	5.23	8.0
802.11ax HE80	52T 37	5530	Chain1	1.87	6.0
802.11ax HE80	52T 37	5530	MIMO	6.88	10.1
802.11ax HE80	52T 37	5610	Chain0	5.40	8.0
802.11ax HE80	52T 37	5610	Chain1	2.21	6.0
802.11ax HE80	52T 37	5610	MIMO	7.10	10.1
802.11ax HE80	52T 45	5530	Chain0	5.07	8.0
802.11ax HE80	52T 45	5530	Chain1	2.02	6.0
802.11ax HE80	52T 45	5530	MIMO	6.82	10.1
802.11ax HE80	52T 45	5610	Chain0	5.41	8.0
802.11ax HE80	52T 45	5610	Chain1	2.13	6.0
802.11ax HE80	52T 45	5610	MIMO	7.08	10.1
802.11ax HE80	52T 52	5530	Chain0	5.11	8.0
802.11ax HE80	52T 52	5530	Chain1	1.85	6.0
802.11ax HE80	52T 52	5530	MIMO	6.79	10.1
802.11ax HE80	52T 52	5610	Chain0	5.55	8.0
802.11ax HE80	52T 52	5610	Chain1	2.21	6.0
802.11ax HE80	52T 52	5610	MIMO	7.20	10.1
802.11ax HE80	106T 53	5530	Chain0	7.29	8.0
802.11ax HE80	106T 53	5530	Chain1	5.34	6.0
802.11ax HE80	106T 53	5530	MIMO	9.43	10.1
802.11ax HE80	106T 53	5610	Chain0	7.47	8.0
802.11ax HE80	106T 53	5610	Chain1	4.97	6.0
802.11ax HE80	106T 53	5610	MIMO	9.41	10.1
802.11ax HE80	106T 57	5530	Chain0	7.20	8.0

802.11ax HE80	106T 57	5530	Chain1	5.25	6.0
802.11ax HE80	106T 57	5530	MIMO	9.34	10.1
802.11ax HE80	106T 57	5610	Chain0	7.40	8.0
802.11ax HE80	106T 57	5610	Chain1	5.05	6.0
802.11ax HE80	106T 57	5610	MIMO	9.39	10.1
802.11ax HE80	106T 60	5530	Chain0	7.12	8.0
802.11ax HE80	106T 60	5530	Chain1	5.22	6.0
802.11ax HE80	106T 60	5530	MIMO	9.28	10.1
802.11ax HE80	106T 60	5610	Chain0	7.51	8.0
802.11ax HE80	106T 60	5610	Chain1	4.93	6.0
802.11ax HE80	106T 60	5610	MIMO	9.42	10.1
802.11ax HE80	242T 61	5530	Chain0	6.89	8.0
802.11ax HE80	242T 61	5530	Chain1	4.16	6.0
802.11ax HE80	242T 61	5530	MIMO	8.75	10.1
802.11ax HE80	242T 61	5610	Chain0	7.45	8.0
802.11ax HE80	242T 61	5610	Chain1	4.11	6.0
802.11ax HE80	242T 61	5610	MIMO	9.10	10.1
802.11ax HE80	242T 63	5530	Chain0	7.05	8.0
802.11ax HE80	242T 63	5530	Chain1	4.05	6.0
802.11ax HE80	242T 63	5530	MIMO	8.81	10.1
802.11ax HE80	242T 63	5610	Chain0	7.31	8.0
802.11ax HE80	242T 63	5610	Chain1	4.88	6.0
802.11ax HE80	242T 63	5610	MIMO	9.27	10.1
802.11ax HE80	242T 64	5530	Chain0	6.87	8.0
802.11ax HE80	242T 64	5530	Chain1	4.16	6.0
802.11ax HE80	242T 64	5530	MIMO	8.73	10.1
802.11ax HE80	242T 64	5610	Chain0	7.17	8.0
802.11ax HE80	242T 64	5610	Chain1	4.03	6.0
802.11ax HE80	242T 64	5610	MIMO	8.89	10.1
802.11ax HE80	484T 65	5530	Chain0	7.33	8.0
802.11ax HE80	484T 65	5530	Chain1	4.10	6.0
802.11ax HE80	484T 65	5530	MIMO	9.02	10.1

802.11ax HE80	484T 65	5610	Chain0	7.24	8.0
802.11ax HE80	484T 65	5610	Chain1	4.03	6.0
802.11ax HE80	484T 65	5610	MIMO	8.94	10.1
802.11ax HE80	484T 66	5530	Chain0	7.28	8.0
802.11ax HE80	484T 66	5530	Chain1	5.13	6.0
802.11ax HE80	484T 66	5530	MIMO	9.35	10.1
802.11ax HE80	484T 66	5610	Chain0	7.13	8.0
802.11ax HE80	484T 66	5610	Chain1	4.63	6.0
802.11ax HE80	484T 66	5610	MIMO	9.07	10.1
802.11ax HE80	996T 67	5530	Chain0	10.74	12.0
802.11ax HE80	996T 67	5530	Chain1	9.54	10.0
802.11ax HE80	996T 67	5530	MIMO	13.19	14.1
802.11ax HE80	996T 67	5610	Chain0	10.80	12.0
802.11ax HE80	996T 67	5610	Chain1	9.62	10.0
802.11ax HE80	996T 67	5610	MIMO	13.26	14.1
802.11ax HE160	26T L	5570	Chain0	1.81	3.0
802.11ax HE160	26T L	5570	Chain1	-0.83	1.0
802.11ax HE160	26T L	5570	MIMO	3.70	5.1
802.11ax HE160	26T H	5570	Chain0	1.58	3.0
802.11ax HE160	26T H	5570	Chain1	-0.72	1.0
802.11ax HE160	26T H	5570	MIMO	3.59	5.1
802.11ax HE160	52T L	5570	Chain0	4.69	6.0
802.11ax HE160	52T L	5570	Chain1	2.34	4.0
802.11ax HE160	52T L	5570	MIMO	6.68	8.1
802.11ax HE160	52T H	5570	Chain0	5.05	6.0
802.11ax HE160	52T H	5570	Chain1	2.46	4.0
802.11ax HE160	52T H	5570	MIMO	6.96	8.1
802.11ax HE160	106T L	5570	Chain0	7.18	8.0
802.11ax HE160	106T L	5570	Chain1	5.20	6.0
802.11ax HE160	106T L	5570	MIMO	9.31	10.1
802.11ax HE160	106T H	5570	Chain0	7.38	8.0
802.11ax HE160	106T H	5570	Chain1	5.14	6.0

802.11ax HE160	106T H	5570	MIMO	9.41	10.1
802.11ax HE160	242T L	5570	Chain0	7.04	8.0
802.11ax HE160	242T L	5570	Chain1	5.16	6.0
802.11ax HE160	242T L	5570	MIMO	9.21	10.1
802.11ax HE160	242T H	5570	Chain0	7.16	8.0
802.11ax HE160	242T H	5570	Chain1	5.01	6.0
802.11ax HE160	242T H	5570	MIMO	9.23	10.1
802.11ax HE160	484T L	5570	Chain0	7.21	8.0
802.11ax HE160	484T L	5570	Chain1	5.36	6.0
802.11ax HE160	484T L	5570	MIMO	9.39	10.1
802.11ax HE160	484T H	5570	Chain0	7.22	8.0
802.11ax HE160	484T H	5570	Chain1	5.18	6.0
802.11ax HE160	484T H	5570	MIMO	9.33	10.1
802.11ax HE160	996T L	5570	Chain0	7.40	8.0
802.11ax HE160	996T L	5570	Chain1	5.06	6.0
802.11ax HE160	996T L	5570	MIMO	9.40	10.1
802.11ax HE160	996T H	5570	Chain0	7.46	8.0
802.11ax HE160	996T H	5570	Chain1	5.02	6.0
802.11ax HE160	996T H	5570	MIMO	9.42	10.1
802.11ax HE160	1992T LH	5570	Chain0	11.28	12.0
802.11ax HE160	1992T LH	5570	Chain1	8.80	10.0
802.11ax HE160	1992T LH	5570	MIMO	13.22	14.1

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conductedaverage power output(dBm)	Tune up (dBm)
802.11be HE20	26T 0	5500	Chain1	-0.32	1.0
802.11be HE20	26T 0	5500	Chain0	1.22	3.0
802.11be HE20	26T 0	5500	MIMO	3.53	5.1
802.11be HE20	26T 0	5580	Chain1	-0.64	1.0
802.11be HE20	26T 0	5580	Chain0	1.90	3.0
802.11be HE20	26T 0	5580	MIMO	3.82	5.1
802.11be HE20	26T 0	5700	Chain1	0.31	1.0

802.11be HE20	26T 0	5700	Chain0	1.32	3.0
802.11be HE20	26T 0	5700	MIMO	3.85	5.1
802.11be HE20	26T 4	5500	Chain1	-0.26	1.0
802.11be HE20	26T 4	5500	Chain0	1.31	3.0
802.11be HE20	26T 4	5500	MIMO	3.61	5.1
802.11be HE20	26T 4	5580	Chain1	-0.70	1.0
802.11be HE20	26T 4	5580	Chain0	1.97	3.0
802.11be HE20	26T 4	5580	MIMO	3.85	5.1
802.11be HE20	26T 4	5700	Chain1	0.09	1.0
802.11be HE20	26T 4	5700	Chain0	1.57	3.0
802.11be HE20	26T 4	5700	MIMO	3.90	5.1
802.11be HE20	26T 8	5500	Chain1	-0.09	1.0
802.11be HE20	26T 8	5500	Chain0	1.22	3.0
802.11be HE20	26T 8	5500	MIMO	3.62	5.1
802.11be HE20	26T 8	5580	Chain1	-0.69	1.0
802.11be HE20	26T 8	5580	Chain0	2.02	3.0
802.11be HE20	26T 8	5580	MIMO	3.88	5.1
802.11be HE20	26T 8	5700	Chain1	0.31	1.0
802.11be HE20	26T 8	5700	Chain0	1.27	3.0
802.11be HE20	26T 8	5700	MIMO	3.83	5.1
802.11be HE20	52T 37	5500	Chain1	3.19	4.0
802.11be HE20	52T 37	5500	Chain0	4.69	6.0
802.11be HE20	52T 37	5500	MIMO	7.01	8.1
802.11be HE20	52T 37	5580	Chain1	2.72	4.0
802.11be HE20	52T 37	5580	Chain0	4.90	6.0
802.11be HE20	52T 37	5580	MIMO	6.96	8.1
802.11be HE20	52T 37	5700	Chain1	3.49	4.0
802.11be HE20	52T 37	5700	Chain0	4.65	6.0
802.11be HE20	52T 37	5700	MIMO	7.12	8.1
802.11be HE20	52T 39	5500	Chain1	3.37	4.0
802.11be HE20	52T 39	5500	Chain0	4.50	6.0
802.11be HE20	52T 39	5500	MIMO	6.98	8.1

802.11be HE20	52T 39	5580	Chain1	2.76	4.0
802.11be HE20	52T 39	5580	Chain0	4.69	6.0
802.11be HE20	52T 39	5580	MIMO	6.84	8.1
802.11be HE20	52T 39	5700	Chain1	3.54	4.0
802.11be HE20	52T 39	5700	Chain0	4.45	6.0
802.11be HE20	52T 39	5700	MIMO	7.03	8.1
802.11be HE20	52T 40	5500	Chain1	3.36	4.0
802.11be HE20	52T 40	5500	Chain0	4.51	6.0
802.11be HE20	52T 40	5500	MIMO	6.98	8.1
802.11be HE20	52T 40	5580	Chain1	2.90	4.0
802.11be HE20	52T 40	5580	Chain0	4.87	6.0
802.11be HE20	52T 40	5580	MIMO	7.01	8.1
802.11be HE20	52T 40	5700	Chain1	3.55	4.0
802.11be HE20	52T 40	5700	Chain0	4.48	6.0
802.11be HE20	52T 40	5700	MIMO	7.05	8.1
802.11be HE20	106T 53	5500	Chain1	5.28	6.0
802.11be HE20	106T 53	5500	Chain0	6.63	8.0
802.11be HE20	106T 53	5500	MIMO	9.02	10.1
802.11be HE20	106T 53	5580	Chain1	4.74	6.0
802.11be HE20	106T 53	5580	Chain0	7.08	8.0
802.11be HE20	106T 53	5580	MIMO	9.08	10.1
802.11be HE20	106T 53	5700	Chain1	5.49	6.0
802.11be HE20	106T 53	5700	Chain0	6.58	8.0
802.11be HE20	106T 53	5700	MIMO	9.08	10.1
802.11be HE20	106T 54	5500	Chain1	5.26	6.0
802.11be HE20	106T 54	5500	Chain0	6.66	8.0
802.11be HE20	106T 54	5500	MIMO	9.03	10.1
802.11be HE20	106T 54	5580	Chain1	4.66	6.0
802.11be HE20	106T 54	5580	Chain0	7.04	8.0
802.11be HE20	106T 54	5580	MIMO	9.02	10.1
802.11be HE20	106T 54	5700	Chain1	5.50	6.0
802.11be HE20	106T 54	5700	Chain0	6.29	8.0

802.11be HE20	106T 54	5700	MIMO	8.92	10.1
802.11be HE20	242T 61	5500	Chain1	8.55	10.0
802.11be HE20	242T 61	5500	Chain0	10.93	12.0
802.11be HE20	242T 61	5500	MIMO	12.91	14.1
802.11be HE20	242T 61	5580	Chain1	8.78	10.0
802.11be HE20	242T 61	5580	Chain0	10.97	12.0
802.11be HE20	242T 61	5580	MIMO	13.02	14.1
802.11be HE20	242T 61	5700	Chain1	9.49	10.0
802.11be HE20	242T 61	5700	Chain0	11.84	12.0
802.11be HE20	242T 61	5700	MIMO	13.83	14.1
802.11be HE20	26+52	5500	Chain1	3.20	4.0
802.11be HE20	26+52	5500	Chain0	4.94	6.0
802.11be HE20	26+52	5500	MIMO	7.17	8.1
802.11be HE20	26+52	5580	Chain1	2.27	4.0
802.11be HE20	26+52	5580	Chain0	4.59	6.0
802.11be HE20	26+52	5580	MIMO	6.59	8.1
802.11be HE20	26+52	5700	Chain1	3.28	4.0
802.11be HE20	26+52	5700	Chain0	4.82	6.0
802.11be HE20	26+52	5700	MIMO	7.13	8.1
802.11be HE20	26+106	5500	Chain1	5.10	4.0
802.11be HE20	26+106	5500	Chain0	6.70	6.0
802.11be HE20	26+106	5500	MIMO	8.98	8.1
802.11be HE20	26+106	5580	Chain1	4.45	4.0
802.11be HE20	26+106	5580	Chain0	6.64	6.0
802.11be HE20	26+106	5580	MIMO	8.69	8.1
802.11be HE20	26+106	5700	Chain1	5.33	4.0
802.11be HE20	26+106	5700	Chain0	6.59	6.0
802.11be HE20	26+106	5700	MIMO	9.02	8.1
802.11be HE40	26T 0	5510	Chain1	-0.20	1.0
802.11be HE40	26T 0	5510	Chain0	1.25	3.0
802.11be HE40	26T 0	5510	MIMO	3.60	5.1
802.11be HE40	26T 0	5670	Chain1	0.01	1.0

802.11be HE40	26T 0	5670	Chain0	1.31	3.0
802.11be HE40	26T 0	5670	MIMO	3.72	5.1
802.11be HE40	26T 10	5510	Chain1	-0.21	1.0
802.11be HE40	26T 10	5510	Chain0	1.04	3.0
802.11be HE40	26T 10	5510	MIMO	3.47	5.1
802.11be HE40	26T 10	5670	Chain1	0.18	1.0
802.11be HE40	26T 10	5670	Chain0	1.42	3.0
802.11be HE40	26T 10	5670	MIMO	3.85	5.1
802.11be HE40	26T 4	5510	Chain1	-0.25	1.0
802.11be HE40	26T 4	5510	Chain0	1.27	3.0
802.11be HE40	26T 4	5510	MIMO	3.59	5.1
802.11be HE40	26T 4	5590	Chain1	-0.74	1.0
802.11be HE40	26T 4	5590	Chain0	1.69	3.0
802.11be HE40	26T 4	5590	MIMO	3.65	5.1
802.11be HE40	26T 4	5670	Chain1	-0.07	1.0
802.11be HE40	26T 4	5670	Chain0	1.25	3.0
802.11be HE40	26T 4	5670	MIMO	3.65	5.1
802.11be HE40	26T 17	5510	Chain1	-0.11	1.0
802.11be HE40	26T 17	5510	Chain0	1.28	3.0
802.11be HE40	26T 17	5510	MIMO	3.65	5.1
802.11be HE40	26T 17	5670	Chain1	0.03	1.0
802.11be HE40	26T 17	5670	Chain0	1.30	3.0
802.11be HE40	26T 17	5670	MIMO	3.72	5.1
802.11be HE40	26T 8	5510	Chain1	-0.29	1.0
802.11be HE40	26T 8	5510	Chain0	0.94	3.0
802.11be HE40	26T 8	5510	MIMO	3.38	5.1
802.11be HE40	26T 8	5590	Chain1	-0.95	1.0
802.11be HE40	26T 8	5590	Chain0	1.63	3.0
802.11be HE40	26T 8	5590	MIMO	3.54	5.1
802.11be HE40	26T 8	5670	Chain1	0.00	1.0
802.11be HE40	26T 8	5670	Chain0	1.37	3.0
802.11be HE40	26T 8	5670	MIMO	3.75	5.1

802.11be HE40	52T 37	5510	Chain1	2.81	4.0
802.11be HE40	52T 37	5510	Chain0	4.52	6.0
802.11be HE40	52T 37	5510	MIMO	6.76	8.1
802.11be HE40	52T 37	5670	Chain1	3.00	4.0
802.11be HE40	52T 37	5670	Chain0	4.43	6.0
802.11be HE40	52T 37	5670	MIMO	6.78	8.1
802.11be HE40	52T 39	5510	Chain1	3.06	4.0
802.11be HE40	52T 39	5510	Chain0	4.45	6.0
802.11be HE40	52T 39	5510	MIMO	6.82	8.1
802.11be HE40	52T 39	5590	Chain1	2.51	4.0
802.11be HE40	52T 39	5590	Chain0	4.78	6.0
802.11be HE40	52T 39	5590	MIMO	6.80	8.1
802.11be HE40	52T 39	5670	Chain1	2.85	4.0
802.11be HE40	52T 39	5670	Chain0	4.42	6.0
802.11be HE40	52T 39	5670	MIMO	6.72	8.1
802.11be HE40	52T 41	5510	Chain1	2.99	4.0
802.11be HE40	52T 41	5510	Chain0	4.63	6.0
802.11be HE40	52T 41	5510	MIMO	6.90	8.1
802.11be HE40	52T 41	5670	Chain1	3.17	4.0
802.11be HE40	52T 41	5670	Chain0	4.29	6.0
802.11be HE40	52T 41	5670	MIMO	6.78	8.1
802.11be HE40	52T 40	5510	Chain1	2.91	4.0
802.11be HE40	52T 40	5510	Chain0	4.65	6.0
802.11be HE40	52T 40	5510	MIMO	6.88	8.1
802.11be HE40	52T 40	5590	Chain1	2.54	4.0
802.11be HE40	52T 40	5590	Chain0	4.82	6.0
802.11be HE40	52T 40	5590	MIMO	6.84	8.1
802.11be HE40	52T 40	5670	Chain1	3.08	4.0
802.11be HE40	52T 40	5670	Chain0	4.47	6.0
802.11be HE40	52T 40	5670	MIMO	6.84	8.1
802.11be HE40	52T 44	5510	Chain1	2.94	4.0
802.11be HE40	52T 44	5510	Chain0	4.59	6.0

802.11be HE40	52T 44	5510	MIMO	6.85	8.1
802.11be HE40	52T 44	5670	Chain1	2.83	4.0
802.11be HE40	52T 44	5670	Chain0	4.39	6.0
802.11be HE40	52T 44	5670	MIMO	6.69	8.1
802.11be HE40	106T 53	5510	Chain1	5.28	6.0
802.11be HE40	106T 53	5510	Chain0	6.92	8.0
802.11be HE40	106T 53	5510	MIMO	9.19	10.1
802.11be HE40	106T 53	5670	Chain1	5.22	6.0
802.11be HE40	106T 53	5670	Chain0	6.43	8.0
802.11be HE40	106T 53	5670	MIMO	8.88	10.1
802.11be HE40	106T 54	5510	Chain1	5.19	6.0
802.11be HE40	106T 54	5510	Chain0	6.84	8.0
802.11be HE40	106T 54	5510	MIMO	9.10	10.1
802.11be HE40	106T 54	5590	Chain1	4.32	6.0
802.11be HE40	106T 54	5590	Chain0	6.82	8.0
802.11be HE40	106T 54	5590	MIMO	8.76	10.1
802.11be HE40	106T 54	5670	Chain1	5.22	6.0
802.11be HE40	106T 54	5670	Chain0	6.48	8.0
802.11be HE40	106T 54	5670	MIMO	8.91	10.1
802.11be HE40	106T 55	5510	Chain1	5.28	6.0
802.11be HE40	106T 55	5510	Chain0	6.70	8.0
802.11be HE40	106T 55	5510	MIMO	9.06	10.1
802.11be HE40	106T 55	5670	Chain1	5.14	6.0
802.11be HE40	106T 55	5670	Chain0	6.53	8.0
802.11be HE40	106T 55	5670	MIMO	8.90	10.1
802.11be HE40	106T 56	5510	Chain1	5.34	6.0
802.11be HE40	106T 56	5510	Chain0	6.90	8.0
802.11be HE40	106T 56	5510	MIMO	9.20	10.1
802.11be HE40	106T 56	5670	Chain1	5.16	6.0
802.11be HE40	106T 56	5670	Chain0	6.51	8.0
802.11be HE40	106T 56	5670	MIMO	8.90	10.1
802.11be HE40	242T 61	5510	Chain1	5.07	6.0

802.11be HE40	242T 61	5510	Chain0	6.86	8.0
802.11be HE40	242T 61	5510	MIMO	9.07	10.1
802.11be HE40	242T 61	5670	Chain1	4.98	6.0
802.11be HE40	242T 61	5670	Chain0	6.26	8.0
802.11be HE40	242T 61	5670	MIMO	8.68	10.1
802.11be HE40	242T 62	5510	Chain1	5.08	6.0
802.11be HE40	242T 62	5510	Chain0	6.74	8.0
802.11be HE40	242T 62	5510	MIMO	9.00	10.1
802.11be HE40	242T 62	5670	Chain1	5.06	6.0
802.11be HE40	242T 62	5670	Chain0	6.12	8.0
802.11be HE40	242T 62	5670	MIMO	8.63	10.1
802.11be HE40	484T 65	5510	Chain1	9.60	10.0
802.11be HE40	484T 65	5510	Chain0	11.23	12.0
802.11be HE40	484T 65	5510	MIMO	13.50	14.1
802.11be HE40	484T 65	5670	Chain1	9.63	10.0
802.11be HE40	484T 65	5670	Chain0	11.26	12.0
802.11be HE40	484T 65	5670	MIMO	13.53	14.1
802.11be HE40	26+52	5510	Chain1	3.02	4.0
802.11be HE40	26+52	5510	Chain0	4.69	6.0
802.11be HE40	26+52	5510	MIMO	6.95	8.1
802.11be HE40	26+52	5670	Chain1	3.16	4.0
802.11be HE40	26+52	5670	Chain0	4.38	6.0
802.11be HE40	26+52	5670	MIMO	6.82	8.1
802.11be HE40	26+106	5510	Chain1	5.50	6.0
802.11be HE40	26+106	5510	Chain0	6.93	8.0
802.11be HE40	26+106	5510	MIMO	9.28	10.1
802.11be HE40	26+106	5670	Chain1	5.29	6.0
802.11be HE40	26+106	5670	Chain0	6.47	8.0
802.11be HE40	26+106	5670	MIMO	8.93	10.1
802.11be HE80	26T 0	5530	Chain1	-0.32	1.0
802.11be HE80	26T 0	5530	Chain0	2.41	3.0
802.11be HE80	26T 0	5530	MIMO	4.27	5.1

802.11be HE80	26T 0	5610	Chain1	-0.65	1.0
802.11be HE80	26T 0	5610	Chain0	1.70	3.0
802.11be HE80	26T 0	5610	MIMO	3.69	5.1
802.11be HE80	26T 18	5530	Chain1	-0.27	1.0
802.11be HE80	26T 18	5530	Chain0	2.27	3.0
802.11be HE80	26T 18	5530	MIMO	4.19	5.1
802.11be HE80	26T 18	5610	Chain1	-0.44	1.0
802.11be HE80	26T 18	5610	Chain0	1.77	3.0
802.11be HE80	26T 18	5610	MIMO	3.81	5.1
802.11be HE80	26T 4	5530	Chain1	-0.33	1.0
802.11be HE80	26T 4	5530	Chain0	2.39	3.0
802.11be HE80	26T 4	5530	MIMO	4.25	5.1
802.11be HE80	26T 4	5610	Chain1	-0.51	1.0
802.11be HE80	26T 4	5610	Chain0	1.50	3.0
802.11be HE80	26T 4	5610	MIMO	3.62	5.1
802.11be HE80	26T 36	5530	Chain1	-0.17	1.0
802.11be HE80	26T 36	5530	Chain0	2.37	3.0
802.11be HE80	26T 36	5530	MIMO	4.29	5.1
802.11be HE80	26T 36	5610	Chain1	-0.51	1.0
802.11be HE80	26T 36	5610	Chain0	1.44	3.0
802.11be HE80	26T 36	5610	MIMO	3.58	5.1
802.11be HE80	26T 8	5530	Chain1	-0.21	1.0
802.11be HE80	26T 8	5530	Chain0	2.32	3.0
802.11be HE80	26T 8	5530	MIMO	4.25	5.1
802.11be HE80	26T 8	5610	Chain1	-0.46	1.0
802.11be HE80	26T 8	5610	Chain0	1.64	3.0
802.11be HE80	26T 8	5610	MIMO	3.73	5.1
802.11be HE80	52T 37	5530	Chain1	2.99	4.0
802.11be HE80	52T 37	5530	Chain0	4.02	6.0
802.11be HE80	52T 37	5530	MIMO	6.55	8.1
802.11be HE80	52T 37	5610	Chain1	2.92	4.0
802.11be HE80	52T 37	5610	Chain0	4.98	6.0

802.11be HE80	52T 37	5610	MIMO	7.08	8.1
802.11be HE80	52T 39	5530	Chain1	3.00	4.0
802.11be HE80	52T 39	5530	Chain0	4.07	6.0
802.11be HE80	52T 39	5530	MIMO	6.58	8.1
802.11be HE80	52T 39	5610	Chain1	2.90	4.0
802.11be HE80	52T 39	5610	Chain0	4.84	6.0
802.11be HE80	52T 39	5610	MIMO	6.99	8.1
802.11be HE80	52T 45	5530	Chain1	3.12	4.0
802.11be HE80	52T 45	5530	Chain0	5.47	6.0
802.11be HE80	52T 45	5530	MIMO	7.46	8.1
802.11be HE80	52T 45	5610	Chain1	2.81	4.0
802.11be HE80	52T 45	5610	Chain0	4.94	6.0
802.11be HE80	52T 45	5610	MIMO	7.01	8.1
802.11be HE80	52T 40	5530	Chain1	3.14	4.0
802.11be HE80	52T 40	5530	Chain0	5.32	6.0
802.11be HE80	52T 40	5530	MIMO	7.38	8.1
802.11be HE80	52T 40	5610	Chain1	2.96	4.0
802.11be HE80	52T 40	5610	Chain0	5.02	6.0
802.11be HE80	52T 40	5610	MIMO	7.12	8.1
802.11be HE80	52T 52	5530	Chain1	3.20	4.0
802.11be HE80	52T 52	5530	Chain0	5.57	6.0
802.11be HE80	52T 52	5530	MIMO	7.56	8.1
802.11be HE80	52T 52	5610	Chain1	2.99	4.0
802.11be HE80	52T 52	5610	Chain0	4.86	6.0
802.11be HE80	52T 52	5610	MIMO	7.04	8.1
802.11be HE80	106T 53	5530	Chain1	4.98	6.0
802.11be HE80	106T 53	5530	Chain0	6.86	8.0
802.11be HE80	106T 53	5530	MIMO	9.03	10.1
802.11be HE80	106T 53	5610	Chain1	4.90	6.0
802.11be HE80	106T 53	5610	Chain0	6.94	8.0
802.11be HE80	106T 53	5610	MIMO	9.05	10.1
802.11be HE80	106T 54	5530	Chain1	5.17	6.0

802.11be HE80	106T 54	5530	Chain0	6.77	8.0
802.11be HE80	106T 54	5530	MIMO	9.05	10.1
802.11be HE80	106T 54	5610	Chain1	5.02	6.0
802.11be HE80	106T 54	5610	Chain0	6.95	8.0
802.11be HE80	106T 54	5610	MIMO	9.10	10.1
802.11be HE80	106T 57	5530	Chain1	5.17	6.0
802.11be HE80	106T 57	5530	Chain0	6.79	8.0
802.11be HE80	106T 57	5530	MIMO	9.07	10.1
802.11be HE80	106T 57	5610	Chain1	4.87	6.0
802.11be HE80	106T 57	5610	Chain0	6.99	8.0
802.11be HE80	106T 57	5610	MIMO	9.07	10.1
802.11be HE80	106T 60	5530	Chain1	5.15	6.0
802.11be HE80	106T 60	5530	Chain0	6.75	8.0
802.11be HE80	106T 60	5530	MIMO	9.03	10.1
802.11be HE80	106T 60	5610	Chain1	4.94	6.0
802.11be HE80	106T 60	5610	Chain0	7.00	8.0
802.11be HE80	106T 60	5610	MIMO	9.10	10.1
802.11be HE80	242T 61	5530	Chain1	5.19	6.0
802.11be HE80	242T 61	5530	Chain0	6.44	8.0
802.11be HE80	242T 61	5530	MIMO	8.87	10.1
802.11be HE80	242T 61	5610	Chain1	4.84	6.0
802.11be HE80	242T 61	5610	Chain0	6.51	8.0
802.11be HE80	242T 61	5610	MIMO	8.77	10.1
802.11be HE80	242T 63	5530	Chain1	5.13	6.0
802.11be HE80	242T 63	5530	Chain0	6.36	8.0
802.11be HE80	242T 63	5530	MIMO	8.80	10.1
802.11be HE80	242T 63	5610	Chain1	4.92	6.0
802.11be HE80	242T 63	5610	Chain0	6.59	8.0
802.11be HE80	242T 63	5610	MIMO	8.85	10.1
802.11be HE80	242T 64	5530	Chain1	5.28	6.0
802.11be HE80	242T 64	5530	Chain0	6.44	8.0
802.11be HE80	242T 64	5530	MIMO	8.91	10.1

802.11be HE80	242T 64	5610	Chain1	4.69	6.0
802.11be HE80	242T 64	5610	Chain0	6.54	8.0
802.11be HE80	242T 64	5610	MIMO	8.72	10.1
802.11be HE80	484T 65	5530	Chain1	4.98	6.0
802.11be HE80	484T 65	5530	Chain0	6.57	8.0
802.11be HE80	484T 65	5530	MIMO	8.86	10.1
802.11be HE80	484T 65	5610	Chain1	5.15	6.0
802.11be HE80	484T 65	5610	Chain0	6.63	8.0
802.11be HE80	484T 65	5610	MIMO	8.96	10.1
802.11be HE80	484T 66	5530	Chain1	5.18	6.0
802.11be HE80	484T 66	5530	Chain0	6.49	8.0
802.11be HE80	484T 66	5530	MIMO	8.89	10.1
802.11be HE80	484T 66	5610	Chain1	5.05	6.0
802.11be HE80	484T 66	5610	Chain0	6.74	8.0
802.11be HE80	484T 66	5610	MIMO	8.99	10.1
802.11be HE80	996T 67	5530	Chain1	9.83	10.0
802.11be HE80	996T 67	5530	Chain0	11.74	12.0
802.11be HE80	996T 67	5530	MIMO	13.90	14.1
802.11be HE80	996T 67	5610	Chain1	9.02	10.0
802.11be HE80	996T 67	5610	Chain0	11.70	12.0
802.11be HE80	996T 67	5610	MIMO	13.57	14.1
802.11be HE80	26+52	5530	Chain1	3.53	4.0
802.11be HE80	26+52	5530	Chain0	4.35	6.0
802.11be HE80	26+52	5530	MIMO	6.97	8.1
802.11be HE80	26+52	5610	Chain1	3.35	4.0
802.11be HE80	26+52	5610	Chain0	5.15	6.0
802.11be HE80	26+52	5610	MIMO	7.35	8.1
802.11be HE80	242+484	5530	Chain1	5.13	6.0
802.11be HE80	242+484	5530	Chain0	6.80	8.0
802.11be HE80	242+484	5530	MIMO	9.06	10.1
802.11be HE80	242+484	5610	Chain1	5.32	6.0
802.11be HE80	242+484	5610	Chain0	6.75	8.0

802.11be HE80	242+484	5610	MIMO	9.10	10.1
802.11be HE160	26T L	5570	Chain1	-0.15	1.0
802.11be HE160	26T L	5570	Chain0	1.73	3.0
802.11be HE160	26T L	5570	MIMO	3.90	5.1
802.11be HE160	26T H	5570	Chain1	-0.48	1.0
802.11be HE160	26T H	5570	Chain0	1.62	3.0
802.11be HE160	26T H	5570	MIMO	3.71	5.1
802.11be HE160	52T L	5570	Chain1	3.05	4.0
802.11be HE160	52T L	5570	Chain0	4.66	6.0
802.11be HE160	52T L	5570	MIMO	6.94	8.1
802.11be HE160	52T H	5570	Chain1	3.21	4.0
802.11be HE160	52T H	5570	Chain0	4.81	6.0
802.11be HE160	52T H	5570	MIMO	7.09	8.1
802.11be HE160	106T L	5570	Chain1	5.10	6.0
802.11be HE160	106T L	5570	Chain0	6.28	8.0
802.11be HE160	106T L	5570	MIMO	8.74	10.1
802.11be HE160	106T H	5570	Chain1	5.33	6.0
802.11be HE160	106T H	5570	Chain0	6.34	8.0
802.11be HE160	106T H	5570	MIMO	8.87	10.1
802.11be HE160	242T L	5570	Chain1	5.18	6.0
802.11be HE160	242T L	5570	Chain0	6.28	8.0
802.11be HE160	242T L	5570	MIMO	8.78	10.1
802.11be HE160	242T H	5570	Chain1	5.13	6.0
802.11be HE160	242T H	5570	Chain0	6.56	8.0
802.11be HE160	242T H	5570	MIMO	8.91	10.1
802.11be HE160	484T L	5570	Chain1	5.17	6.0
802.11be HE160	484T L	5570	Chain0	6.59	8.0
802.11be HE160	484T L	5570	MIMO	8.95	10.1
802.11be HE160	484T H	5570	Chain1	5.11	6.0
802.11be HE160	484T H	5570	Chain0	6.46	8.0
802.11be HE160	484T H	5570	MIMO	8.85	10.1
802.11be HE160	996T L	5570	Chain1	4.96	6.0

802.11be HE160	996T L	5570	Chain0	6.62	8.0
802.11be HE160	996T L	5570	MIMO	8.88	10.1
802.11be HE160	996T H	5570	Chain1	4.97	6.0
802.11be HE160	996T H	5570	Chain0	6.71	8.0
802.11be HE160	996T H	5570	MIMO	8.94	10.1
802.11be HE160	1992T LH	5570	Chain1	8.49	10.0
802.11be HE160	1992T LH	5570	Chain0	11.49	12.0
802.11be HE160	1992T LH	5570	MIMO	13.25	14.1
802.11be HE160	484+996	5570	Chain1	4.82	6.0
802.11be HE160	484+996	5570	Chain0	6.63	8.0
802.11be HE160	484+996	5570	MIMO	8.83	10.1
802.11be HE160	242+484+996	5570	Chain1	4.73	6.0
802.11be HE160	242+484+996	5570	Chain0	6.56	8.0
802.11be HE160	242+484+996	5570	MIMO	8.75	10.1

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Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11a	NA	5745	Chain0	11.39	12.0
802.11a	NA	5745	Chain1	9.32	10.0
802.11a	NA	5785	Chain0	11.10	12.0
802.11a	NA	5785	Chain1	9.51	10.0
802.11a	NA	5825	Chain0	11.02	12.0
802.11a	NA	5825	Chain1	9.24	10.0
802.11n HT20	NA	5745	Chain0	11.31	12.0
802.11n HT20	NA	5745	Chain1	9.35	10.0
802.11n HT20	NA	5745	MIMO	13.45	14.1
802.11n HT20	NA	5785	Chain0	11.14	12.0
802.11n HT20	NA	5785	Chain1	9.39	10.0
802.11n HT20	NA	5785	MIMO	13.36	14.1
802.11n HT20	NA	5825	Chain0	11.01	12.0
802.11n HT20	NA	5825	Chain1	9.10	10.0
802.11n HT20	NA	5825	MIMO	13.17	14.1
802.11ac VHT20	NA	5745	Chain0	11.31	12.0
802.11ac VHT20	NA	5745	Chain1	9.08	10.0
802.11ac VHT20	NA	5745	MIMO	13.35	14.1
802.11ac VHT20	NA	5785	Chain0	11.14	12.0
802.11ac VHT20	NA	5785	Chain1	9.28	10.0
802.11ac VHT20	NA	5785	MIMO	13.32	14.1
802.11ac VHT20	NA	5825	Chain0	11.08	12.0
802.11ac VHT20	NA	5825	Chain1	8.97	10.0
802.11ac VHT20	NA	5825	MIMO	13.16	14.1
802.11n HT40	NA	5755	Chain0	11.88	12.0
802.11n HT40	NA	5755	Chain1	9.70	10.0
802.11n HT40	NA	5755	MIMO	13.94	14.1

802.11n HT40	NA	5795	Chain0	11.68	12.0
802.11n HT40	NA	5795	Chain1	9.74	10.0
802.11n HT40	NA	5795	MIMO	13.83	14.1
802.11ac VHT40	NA	5755	Chain0	10.85	12.0
802.11ac VHT40	NA	5755	Chain1	9.58	10.0
802.11ac VHT40	NA	5755	MIMO	13.27	14.1
802.11ac VHT40	NA	5795	Chain0	10.60	12.0
802.11ac VHT40	NA	5795	Chain1	9.72	10.0
802.11ac VHT40	NA	5795	MIMO	13.19	14.1
802.11ac VHT80	NA	5775	Chain0	11.72	12.0
802.11ac VHT80	NA	5775	Chain1	9.40	10.0
802.11ac VHT80	NA	5775	MIMO	13.72	14.1

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	Tuneup (dBm)
802.11ax HE20	26T 0	5745	Chain0	1.03	3.0
802.11ax HE20	26T 0	5745	Chain1	-0.25	1.0
802.11ax HE20	26T 0	5745	MIMO	3.45	5.1
802.11ax HE20	26T 0	5785	Chain0	1.94	3.0
802.11ax HE20	26T 0	5785	Chain1	-0.17	1.0
802.11ax HE20	26T 0	5785	MIMO	4.02	5.1
802.11ax HE20	26T 0	5825	Chain0	2.04	3.0
802.11ax HE20	26T 0	5825	Chain1	-0.43	1.0
802.11ax HE20	26T 0	5825	MIMO	3.99	5.1
802.11ax HE20	26T 4	5745	Chain0	2.15	3.0
802.11ax HE20	26T 4	5745	Chain1	-0.06	1.0
802.11ax HE20	26T 4	5745	MIMO	4.19	5.1
802.11ax HE20	26T 4	5785	Chain0	2.14	3.0
802.11ax HE20	26T 4	5785	Chain1	-0.14	1.0
802.11ax HE20	26T 4	5785	MIMO	4.16	5.1

802.11ax HE20	26T 4	5825	Chain0	2.07	3.0
802.11ax HE20	26T 4	5825	Chain1	-0.35	1.0
802.11ax HE20	26T 4	5825	MIMO	4.04	5.1
802.11ax HE20	26T 8	5745	Chain0	2.05	3.0
802.11ax HE20	26T 8	5745	Chain1	-0.14	1.0
802.11ax HE20	26T 8	5745	MIMO	4.10	5.1
802.11ax HE20	26T 8	5785	Chain0	2.07	3.0
802.11ax HE20	26T 8	5785	Chain1	-0.31	1.0
802.11ax HE20	26T 8	5785	MIMO	4.05	5.1
802.11ax HE20	26T 8	5825	Chain0	1.89	3.0
802.11ax HE20	26T 8	5825	Chain1	-0.43	1.0
802.11ax HE20	26T 8	5825	MIMO	3.89	5.1
802.11ax HE20	52T 37	5745	Chain0	4.44	6.0
802.11ax HE20	52T 37	5745	Chain1	0.28	1.0
802.11ax HE20	52T 37	5745	MIMO	5.85	6.1
802.11ax HE20	52T 37	5785	Chain0	4.48	6.0
802.11ax HE20	52T 37	5785	Chain1	-0.03	1.0
802.11ax HE20	52T 37	5785	MIMO	5.80	7.1
802.11ax HE20	52T 37	5825	Chain0	4.52	6.0
802.11ax HE20	52T 37	5825	Chain1	0.07	1.0
802.11ax HE20	52T 37	5825	MIMO	5.85	7.1
802.11ax HE20	52T 39	5745	Chain0	4.58	6.0
802.11ax HE20	52T 39	5745	Chain1	0.06	1.0
802.11ax HE20	52T 39	5745	MIMO	5.89	7.1
802.11ax HE20	52T 39	5785	Chain0	4.49	6.0
802.11ax HE20	52T 39	5785	Chain1	0.19	1.0
802.11ax HE20	52T 39	5785	MIMO	5.86	7.1
802.11ax HE20	52T 39	5825	Chain0	4.37	6.0
802.11ax HE20	52T 39	5825	Chain1	-0.06	1.0
802.11ax HE20	52T 39	5825	MIMO	5.71	7.1
802.11ax HE20	52T 40	5745	Chain0	4.34	6.0
802.11ax HE20	52T 40	5745	Chain1	0.20	1.0

802.11ax HE20	52T 40	5745	MIMO	5.76	7.1
802.11ax HE20	52T 40	5785	Chain0	4.49	6.0
802.11ax HE20	52T 40	5785	Chain1	0.07	1.0
802.11ax HE20	52T 40	5785	MIMO	5.83	7.1
802.11ax HE20	52T 40	5825	Chain0	4.51	6.0
802.11ax HE20	52T 40	5825	Chain1	-0.06	1.0
802.11ax HE20	52T 40	5825	MIMO	5.81	7.1
802.11ax HE20	106T 53	5745	Chain0	4.39	6.0
802.11ax HE20	106T 53	5745	Chain1	2.42	4.0
802.11ax HE20	106T 53	5745	MIMO	6.53	8.1
802.11ax HE20	106T 53	5785	Chain0	4.41	6.0
802.11ax HE20	106T 53	5785	Chain1	2.28	4.0
802.11ax HE20	106T 53	5785	MIMO	6.48	8.1
802.11ax HE20	106T 53	5825	Chain0	4.49	6.0
802.11ax HE20	106T 53	5825	Chain1	2.18	4.0
802.11ax HE20	106T 53	5825	MIMO	6.50	8.1
802.11ax HE20	106T 54	5745	Chain0	4.48	6.0
802.11ax HE20	106T 54	5745	Chain1	2.40	4.0
802.11ax HE20	106T 54	5745	MIMO	6.57	8.1
802.11ax HE20	106T 54	5785	Chain0	4.42	6.0
802.11ax HE20	106T 54	5785	Chain1	2.42	4.0
802.11ax HE20	106T 54	5785	MIMO	6.54	8.1
802.11ax HE20	106T 54	5825	Chain0	4.43	6.0
802.11ax HE20	106T 54	5825	Chain1	2.14	4.0
802.11ax HE20	106T 54	5825	MIMO	6.44	8.1
802.11ax HE20	242T 61	5745	Chain0	11.42	12.0
802.11ax HE20	242T 61	5745	Chain1	9.05	10.0
802.11ax HE20	242T 61	5745	MIMO	13.41	14.1
802.11ax HE20	242T 61	5785	Chain0	11.17	12.0
802.11ax HE20	242T 61	5785	Chain1	9.27	10.0
802.11ax HE20	242T 61	5785	MIMO	13.33	14.1
802.11ax HE20	242T 61	5825	Chain0	10.94	12.0

802.11ax HE20	242T 61	5825	Chain1	9.02	10.0
802.11ax HE20	242T 61	5825	MIMO	13.10	14.1
802.11ax HE40	26T 0	5755	Chain0	2.02	3.0
802.11ax HE40	26T 0	5755	Chain1	-0.27	1.0
802.11ax HE40	26T 0	5755	MIMO	4.03	5.1
802.11ax HE40	26T 0	5795	Chain0	1.95	3.0
802.11ax HE40	26T 0	5795	Chain1	-0.33	1.0
802.11ax HE40	26T 0	5795	MIMO	3.97	5.1
802.11ax HE40	26T 10	5755	Chain0	1.76	3.0
802.11ax HE40	26T 10	5755	Chain1	-0.34	1.0
802.11ax HE40	26T 10	5755	MIMO	3.85	5.1
802.11ax HE40	26T 10	5795	Chain0	1.86	3.0
802.11ax HE40	26T 10	5795	Chain1	-0.32	1.0
802.11ax HE40	26T 10	5795	MIMO	3.92	5.1
802.11ax HE40	26T 17	5755	Chain0	2.01	3.0
802.11ax HE40	26T 17	5755	Chain1	-0.26	1.0
802.11ax HE40	26T 17	5755	MIMO	4.03	5.1
802.11ax HE40	26T 17	5795	Chain0	1.93	3.0
802.11ax HE40	26T 17	5795	Chain1	-0.33	1.0
802.11ax HE40	26T 17	5795	MIMO	3.96	5.1
802.11ax HE40	52T 37	5755	Chain0	4.49	6.0
802.11ax HE40	52T 37	5755	Chain1	2.40	4.0
802.11ax HE40	52T 37	5755	MIMO	6.58	8.1
802.11ax HE40	52T 37	5795	Chain0	4.43	6.0
802.11ax HE40	52T 37	5795	Chain1	2.33	4.0
802.11ax HE40	52T 37	5795	MIMO	6.52	8.1
802.11ax HE40	52T 41	5755	Chain0	4.28	6.0
802.11ax HE40	52T 41	5755	Chain1	2.63	4.0
802.11ax HE40	52T 41	5755	MIMO	6.54	8.1
802.11ax HE40	52T 41	5795	Chain0	4.55	6.0
802.11ax HE40	52T 41	5795	Chain1	2.18	4.0
802.11ax HE40	52T 41	5795	MIMO	6.54	8.1

802.11ax HE40	52T 44	5755	Chain0	4.52	6.0
802.11ax HE40	52T 44	5755	Chain1	2.44	4.0
802.11ax HE40	52T 44	5755	MIMO	6.61	8.1
802.11ax HE40	52T 44	5795	Chain0	4.57	6.0
802.11ax HE40	52T 44	5795	Chain1	2.44	4.0
802.11ax HE40	52T 44	5795	MIMO	6.64	8.1
802.11ax HE40	106T 53	5755	Chain0	5.83	8.0
802.11ax HE40	106T 53	5755	Chain1	4.56	6.0
802.11ax HE40	106T 53	5755	MIMO	8.25	10.1
802.11ax HE40	106T 53	5795	Chain0	6.05	8.0
802.11ax HE40	106T 53	5795	Chain1	4.49	6.0
802.11ax HE40	106T 53	5795	MIMO	8.35	10.1
802.11ax HE40	106T 55	5755	Chain0	5.79	8.0
802.11ax HE40	106T 55	5755	Chain1	4.52	6.0
802.11ax HE40	106T 55	5755	MIMO	8.21	10.1
802.11ax HE40	106T 55	5795	Chain0	5.94	8.0
802.11ax HE40	106T 55	5795	Chain1	4.43	6.0
802.11ax HE40	106T 55	5795	MIMO	8.26	10.1
802.11ax HE40	106T 56	5755	Chain0	5.79	8.0
802.11ax HE40	106T 56	5755	Chain1	4.39	6.0
802.11ax HE40	106T 56	5755	MIMO	8.16	10.1
802.11ax HE40	106T 56	5795	Chain0	5.91	8.0
802.11ax HE40	106T 56	5795	Chain1	4.45	6.0
802.11ax HE40	106T 56	5795	MIMO	8.25	10.1
802.11ax HE40	242T 61	5755	Chain0	5.67	8.0
802.11ax HE40	242T 61	5755	Chain1	4.15	6.0
802.11ax HE40	242T 61	5755	MIMO	7.99	10.1
802.11ax HE40	242T 61	5795	Chain0	5.70	8.0
802.11ax HE40	242T 61	5795	Chain1	4.24	6.0
802.11ax HE40	242T 61	5795	MIMO	8.04	10.1
802.11ax HE40	242T 62	5755	Chain0	5.70	8.0
802.11ax HE40	242T 62	5755	Chain1	4.19	6.0

802.11ax HE40	242T 62	5755	MIMO	8.02	10.1
802.11ax HE40	242T 62	5795	Chain0	5.75	8.0
802.11ax HE40	242T 62	5795	Chain1	4.20	6.0
802.11ax HE40	242T 62	5795	MIMO	8.05	10.1
802.11ax HE40	484T 65	5755	Chain0	10.85	12.0
802.11ax HE40	484T 65	5755	Chain1	8.09	10.0
802.11ax HE40	484T 65	5755	MIMO	12.70	14.1
802.11ax HE40	484T 65	5795	Chain0	10.70	12.0
802.11ax HE40	484T 65	5795	Chain1	9.34	10.0
802.11ax HE40	484T 65	5795	MIMO	13.08	14.1
802.11ax HE80	26T 0	5775	Chain0	1.81	3.0
802.11ax HE80	26T 0	5775	Chain1	-0.60	1.0
802.11ax HE80	26T 0	5775	MIMO	3.78	5.1
802.11ax HE80	26T 18	5775	Chain0	1.84	3.0
802.11ax HE80	26T 18	5775	Chain1	-0.62	1.0
802.11ax HE80	26T 18	5775	MIMO	3.79	5.1
802.11ax HE80	26T 36	5775	Chain0	1.88	3.0
802.11ax HE80	26T 36	5775	Chain1	-0.52	1.0
802.11ax HE80	26T 36	5775	MIMO	3.85	5.1
802.11ax HE80	52T 37	5775	Chain0	5.84	6.0
802.11ax HE80	52T 37	5775	Chain1	2.46	4.0
802.11ax HE80	52T 37	5775	MIMO	7.48	8.1
802.11ax HE80	52T 45	5775	Chain0	4.38	6.0
802.11ax HE80	52T 45	5775	Chain1	2.29	4.0
802.11ax HE80	52T 45	5775	MIMO	6.47	8.1
802.11ax HE80	52T 52	5775	Chain0	4.51	6.0
802.11ax HE80	52T 52	5775	Chain1	2.47	4.0
802.11ax HE80	52T 52	5775	MIMO	6.62	8.1
802.11ax HE80	106T 53	5775	Chain0	5.85	7.0
802.11ax HE80	106T 53	5775	Chain1	4.39	5.0
802.11ax HE80	106T 53	5775	MIMO	8.19	9.1
802.11ax HE80	106T 57	5775	Chain0	5.89	7.0

802.11ax HE80	106T 57	5775	Chain1	4.53	5.0
802.11ax HE80	106T 57	5775	MIMO	8.27	9.1
802.11ax HE80	106T 60	5775	Chain0	6.01	7.0
802.11ax HE80	106T 60	5775	Chain1	4.41	5.0
802.11ax HE80	106T 60	5775	MIMO	8.29	9.1
802.11ax HE80	242T 61	5775	Chain0	5.59	7.0
802.11ax HE80	242T 61	5775	Chain1	4.15	5.0
802.11ax HE80	242T 61	5775	MIMO	7.94	9.1
802.11ax HE80	242T 63	5775	Chain0	5.59	7.0
802.11ax HE80	242T 63	5775	Chain1	4.20	5.0
802.11ax HE80	242T 63	5775	MIMO	7.96	9.1
802.11ax HE80	242T 64	5775	Chain0	5.72	7.0
802.11ax HE80	242T 64	5775	Chain1	4.34	5.0
802.11ax HE80	242T 64	5775	MIMO	8.09	9.1
802.11ax HE80	484T 65	5775	Chain0	5.72	7.0
802.11ax HE80	484T 65	5775	Chain1	4.40	5.0
802.11ax HE80	484T 65	5775	MIMO	8.12	9.1
802.11ax HE80	484T 66	5775	Chain0	5.90	7.0
802.11ax HE80	484T 66	5775	Chain1	4.30	5.0
802.11ax HE80	484T 66	5775	MIMO	8.18	9.1
802.11ax HE80	996T 67	5775	Chain0	11.79	12.0
802.11ax HE80	996T 67	5775	Chain1	9.33	10.0
802.11ax HE80	996T 67	5775	MIMO	13.74	14.1

7 SAR RESULTS

7.1 T-issue and System Check

The manufacturer calibrates the probes annually. Dielectric parameters of the tissue stimulants were measured every day using the dielectric probe kit and the network analyser. For the measurement of the following parameters the SPEAG DAKS-3.5 dielectric parameter probe is used, representing the open-ended coaxial probe measurement procedure. All tests were carried out within 24 hours of measuring the dielectric parameters.

Freq.(MHz)	Date	Liquid parameters	Measured	Target	Delta (%)	Tolerance (%)	Verdit
750	2024/8/23	εr	41.94	41.90	0.09	±10	Pass
	2024/8/23	σ[S/m]	0.87	0.89	2.25	±10	Pass
835	2024/8/23	εr	42.64	41.50	2.75	±10	Pass
	2024/8/23	σ[S/m]	0.90	0.90	0.00	±10	Pass
900	2024/8/23	εr	43.02	41.50	3.66	±10	Pass
	2024/8/23	σ[S/m]	0.99	0.97	2.06	±10	Pass
1800	2024/8/23	εr	39.08	40.00	-1.72	±10	Pass
	2024/8/23	σ[S/m]	1.42	1.40	-0.29	±10	Pass
2000	2024/8/23	εr	40.14	40.00	-2.30	±10	Pass
	2024/8/23	σ[S/m]	1.47	1.40	5.00	±10	Pass
2450	2024/8/25	εr	40.7	39.20	3.82	±10	Pass
	2024/8/25	σ[S/m]	1.89	1.80	5.00	±10	Pass
2600	2024/8/25	εr	38.12	39.00	-2.25	±10	Pass
	2024/8/25	σ[S/m]	1.95	1.96	-0.50	±10	Pass
5200	2024/8/27	εr	37.36	36.00	3.78	±5	Pass
	2024/8/27	σ[S/m]	4.56	4.66	-2.14	±5	Pass
5300	2024/8/27	εr	37.64	35.9	4.84	±5	Pass
	2024/8/27	σ[S/m]	4.77	4.76	0.16	±5	Pass
5600	2024/8/27	εr	33.92	35.5	-4.45	±5	Pass
	2024/8/27	σ[S/m]	5.30	5.07	4.55	±5	Pass
5800	2024/8/27	εr	35.35	35.30	0.14	±5	Pass
	2024/8/27	σ[S/m]	5.24	5.27	-0.12	±5	Pass

A system check measurement was made following the determination of the dielectric parameters of the stimulant, using the dipole validation kit. Dipole was placed under the flat section of the twin SAM phantom. The system checking results (dielectric parameters and SAR values) are given in the table below. All tests were carried out within 24 hours of checking system. Plots of the system checking scans are given in Annex A. Tissue Stimulants used in the Measurements. **For the same frequency range, SAR measurement is the same day with system check, and there is no need to manually add test date in ANNEX A.**

Freq.(MHz)	Date	SAR measured (normalized to 1W)		Target (Ref. Value)	Delta(%)	Tolerance(%)	Verdict
750	2024/8/23	1g	8.08	8.40	-3.81	±10	Pass
	2024/8/23	10g	5.32	5.70	-6.67	±10	Pass
835	2024/8/23	1g	9.92	9.38	5.75	±10	Pass
	2024/8/23	10g	6.48	6.25	3.68	±10	Pass
900	2024/8/23	1g	11.44	10.90	4.95	±10	Pass
	2024/8/23	10g	7.44	7.00	6.28	±10	Pass
1800	2024/8/23	1g	38.96	38.90	0.15	±10	Pass
	2024/8/23	10g	19.48	20.30	-4.04	±10	Pass
2000	2024/8/23	1g	38.92	41.00	-5.07	±10	Pass
	2024/8/23	10g	19.80	20.50	-3.41	±10	Pass
2450	2024/8/25	1g	51.60	53.00	-2.64	±10	Pass
	2024/8/25	10g	24.28	24.50	-0.89	±10	Pass
2600	2024/8/25	1g	55.20	56.50	-2.30	±10	Pass
	2024/8/25	10g	24.84	25.40	-2.20	±10	Pass
5200	2024/8/27	1g	73.70	75.90	-2.89	±10	Pass
	2024/8/27	10g	21.60	21.40	0.93	±10	Pass
5300	2024/8/27	1g	77.10	78.00	-1.15	±10	Pass
	2024/8/27	10g	22.40	22.00	1.82	±10	Pass
5600	2024/8/27	1g	73.70	80.00	-7.88	±10	Pass
	2024/8/27	10g	21.90	22.60	-3.10	±10	Pass
5800	2024/8/27	1g	79.60	78.50	1.40	±10	Pass
	2024/8/27	10g	21.40	21.90	-2.28	±10	Pass

7.2 SAR Test result

In order to determine the largest value of the peak spatial-average SAR of a handset, all device positions, configurations, and operational modes should be tested for each frequency band according to Steps 1 to 3 below.

Step 1: The tests should be performed at the channel that is closest to the centre of the transmit frequency band.

a) All device positions (cheek and tilt, for both left and right sides of the SAM phantom),

b) All configurations for each device position in a), e.g., antenna extended and retracted, and

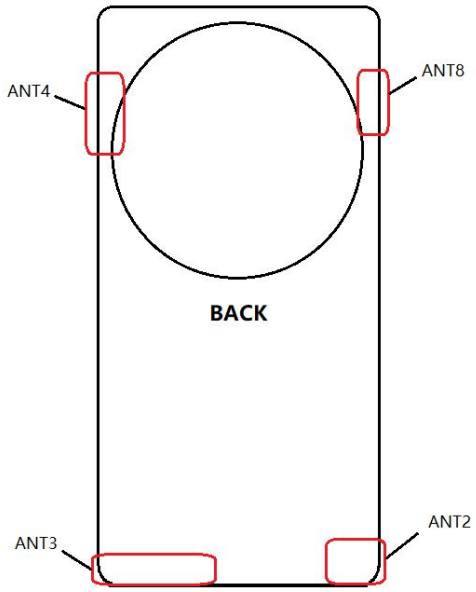
c) All operational modes for each device position in item a) and configuration in item b) in each frequency band, e.g., analogy and digital, If more than three frequencies need to be tested (i.e., Nc > 3), then all frequencies, configurations and modes shall be tested for all of the above test conditions.

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

Step 3: Examine all data to determine the largest value of the peak.

Test and antenna position describe as follow:

Note: SRTC defined these positions (Back, Front, Left, Right, Top, Bottom) when facing the DUT screen.



Licensed antenna	Position	Distances to edge (mm)	Test or not	Note
Ant2	Back	0.0	YES	GSM1900 WCDMA Band II/IV LTE Band 2/4/7/38/41/66 NR n66
	Front	8.0	YES	
	Top	137.0	NO	
	Bottom	0.0	YES	
	Left	0.0	YES	
	Right	52.0	NO	
Ant3	Back	0.0	YES	GSM850 WCDMA Band V LTE Band 5/12/13/17 NR n5/41
	Front	8.0	YES	
	Top	153.0	NO	
	Bottom	0.0	YES	
	Left	24.9	YES	
	Right	0.0	YES	

Unlicensed antenna	Position	Distances to edge (mm)	Test or not	Note
Ant4	Back	0.0	YES	BT/Wi-Fi2.4GHz/Wi-Fi5GHz
	Front	8.0	YES	
	Top	9.9	YES	
	Bottom	133.0	NO	
	Left	75.0	NO	
	Right	0.0	YES	
Ant8	Back	0.0	YES	BT/Wi-Fi2.4GHz/Wi-Fi5GHz
	Front	8.0	YES	
	Top	14.9	YES	
	Bottom	127.0	NO	
	Left	0.0	YES	
	Right	75.0	NO	

Note: L<1GHz; 1GHz<M<2GHz; H>2GHz

The measured and reported SAR values are tabulated below:

Non-signaling mode duty cycle could be the most conservative condition which with 100% duty cycle. So duty factor=1/ duty cycle shall be taken into consideration for SAR measurement with Non-signaling mode.

7.2.1 Licensed SISO1

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
GSM850	Exposure condition	Position	Channel				First	Second	First	Second
GPRS/EDGE GMSK	Head	Left Cheek	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.104	---	0.144	---
			H	32.20	33.50	1.35	---	---	---	---
		Left tilt	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.065	---	0.090	---
			H	32.20	33.50	1.35	---	---	---	---
		Right Cheek	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.118	---	0.163	---
			H	32.20	33.50	1.35	---	---	---	---
		Right tilt	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.066	---	0.091	---
			H	32.20	33.50	1.35	---	---	---	---
GPRS/EDGE GMSK	Body-worn	Back	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.403	---	0.556	---
			H	32.20	33.50	1.35	---	---	---	---
		Front	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.234	---	0.323	---
			H	32.20	33.50	1.35	---	---	---	---
GPRS/EDGE GMSK	Hotspot	Back	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.403	---	0.556	---
			H	32.20	33.50	1.35	---	---	---	---
		Front	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.234	---	0.323	---
			H	32.20	33.50	1.35	---	---	---	---
		Top	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.010	---	0.014	---
			H	32.20	33.50	1.35	---	---	---	---
		Bottom	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.240	---	0.331	---
			H	32.20	33.50	1.35	---	---	---	---
		Left	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.010	---	0.014	---
			H	32.20	33.50	1.35	---	---	---	---
		Right	L	31.90	33.50	1.45	---	---	---	---
			M	32.09	33.50	1.38	0.168	---	0.232	---
			H	32.20	33.50	1.35	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
GSM1900	Exposure condition	Position	Channel				First	Second	First	Second
GPRS/EDGE GMSK	Head	Left Cheek	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.037	---	0.047	---
			H	29.44	30.50	1.28	---	---	---	---
		Left tilt	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.010	---	0.013	---
			H	29.44	30.50	1.28	---	---	---	---
		Right Cheek	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.044	---	0.056	---
			H	29.44	30.50	1.28	---	---	---	---
		Right tilt	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.010	---	0.013	---
			H	29.44	30.50	1.28	---	---	---	---
GPRS/EDGE GMSK	Body-worn	Back	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.215	---	0.273	---
			H	29.44	30.50	1.28	---	---	---	---
		Front	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.207	---	0.263	---
			H	29.44	30.50	1.28	---	---	---	---
GPRS/EDGE GMSK	Hotspot	Back	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.215	---	0.273	---
			H	29.44	30.50	1.28	---	---	---	---
		Front	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.207	---	0.263	---
			H	29.44	30.50	1.28	---	---	---	---
		Top	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.010	---	0.013	---
			H	29.44	30.50	1.28	---	---	---	---
		Bottom	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.211	---	0.268	---
			H	29.44	30.50	1.28	---	---	---	---
		Left	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.257	---	0.326	---
			H	29.44	30.50	1.28	---	---	---	---
		Right	L	29.39	30.50	1.29	---	---	---	---
			M	29.47	30.50	1.27	0.010	---	0.013	---
			H	29.44	30.50	1.28	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WCDMA II	Exposure condition	Position	Channel				First	Second	First	Second
RMC	Head	Left Cheek	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.116	---	0.146	---
			H	22.31	23.30	1.26	---	---	---	---
		Left tilt	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.068	---	0.086	---
			H	22.31	23.30	1.26	---	---	---	---
		Right Cheek	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.073	---	0.092	---
			H	22.31	23.30	1.26	---	---	---	---
		Right tilt	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.062	---	0.078	---
			H	22.31	23.30	1.26	---	---	---	---
RMC	Body-worn	Back	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.331	---	0.417	---
			H	22.31	23.30	1.26	---	---	---	---
		Front	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.305	---	0.384	---
			H	22.31	23.30	1.26	---	---	---	---
RMC	Hotspot	Back	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.331	---	0.417	---
			H	22.31	23.30	1.26	---	---	---	---
		Front	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.305	---	0.384	---
			H	22.31	23.30	1.26	---	---	---	---
		Top	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.010	---	0.013	---
			H	22.31	23.30	1.26	---	---	---	---
		Bottom	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.265	---	0.334	---
			H	22.31	23.30	1.26	---	---	---	---
		Left	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.363	---	0.457	---
			H	22.31	23.30	1.26	---	---	---	---
		Right	L	22.30	23.30	1.26	---	---	---	---
			M	22.28	23.30	1.26	0.010	---	0.013	---
			H	22.31	23.30	1.26	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WCDMA IV	Exposure condition	Position	Channel				First	Second	First	Second
RMC	Head	Left Cheek	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.147	---	0.181	---
			H	22.31	23.30	1.26	---	---	---	---
		Left tilt	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.086	---	0.106	---
			H	22.31	23.30	1.26	---	---	---	---
		Right Cheek	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.089	---	0.109	---
			H	22.31	23.30	1.26	---	---	---	---
		Right tilt	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.062	---	0.076	---
			H	22.31	23.30	1.26	---	---	---	---
RMC	Body-worn	Back	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.370	---	0.455	---
			H	22.31	23.30	1.26	---	---	---	---
		Front	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.312	---	0.384	---
			H	22.31	23.30	1.26	---	---	---	---
RMC	Hotspot	Back	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.370	---	0.455	---
			H	22.31	23.30	1.26	---	---	---	---
		Front	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.312	---	0.384	---
			H	22.31	23.30	1.26	---	---	---	---
		Top	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.010	---	0.012	---
			H	22.31	23.30	1.26	---	---	---	---
		Bottom	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.193	---	0.237	---
			H	22.31	23.30	1.26	---	---	---	---
		Left	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.356	---	0.438	---
			H	22.31	23.30	1.26	---	---	---	---
		Right	L	22.32	23.30	1.25	---	---	---	---
			M	22.39	23.30	1.23	0.028	---	0.034	---
			H	22.31	23.30	1.26	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WCDMA V	Exposure condition	Position	Channel				First	Second	First	Second
RMC	Head	Left Cheek	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.128	---	0.166	---
			H	22.82	24.00	1.31	---	---	---	---
		Left tilt	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.056	---	0.073	---
			H	22.82	24.00	1.31	---	---	---	---
		Right Cheek	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.139	---	0.181	---
			H	22.82	24.00	1.31	---	---	---	---
		Right tilt	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.079	---	0.103	---
			H	22.82	24.00	1.31	---	---	---	---
RMC	Body-worn	Back	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.496	---	0.645	---
			H	22.82	24.00	1.31	---	---	---	---
		Front	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.268	---	0.348	---
			H	22.82	24.00	1.31	---	---	---	---
RMC	Hotspot	Back	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.496	---	0.645	---
			H	22.82	24.00	1.31	---	---	---	---
		Front	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.268	---	0.348	---
			H	22.82	24.00	1.31	---	---	---	---
		Top	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.010	---	0.013	---
			H	22.82	24.00	1.31	---	---	---	---
		Bottom	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.260	---	0.338	---
			H	22.82	24.00	1.31	---	---	---	---
		Left	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.010	---	0.013	---
			H	22.82	24.00	1.31	---	---	---	---
		Right	L	22.85	24.00	1.30	---	---	---	---
			M	22.87	24.00	1.30	0.185	---	0.241	---
			H	22.82	24.00	1.31	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE2	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.095	---	0.111	---
			H	22.21	23.30	1.29	---	---	---	---
		Left tilt	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.075	---	0.088	---
			H	22.21	23.30	1.29	---	---	---	---
		Right Cheek	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.074	---	0.087	---
			H	22.21	23.30	1.29	---	---	---	---
		Right tilt	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.067	---	0.078	---
			H	22.21	23.30	1.29	---	---	---	---
QPSK 1RB	Body-worn	Back	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.342	---	0.400	---
			H	22.21	23.30	1.29	---	---	---	---
		Front	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.332	---	0.388	---
			H	22.21	23.30	1.29	---	---	---	---
QPSK 1RB	Hotspot	Back	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.342	---	0.400	---
			H	22.21	23.30	1.29	---	---	---	---
		Front	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.332	---	0.388	---
			H	22.21	23.30	1.29	---	---	---	---
		Top	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.042	---	0.049	---
			H	22.21	23.30	1.29	---	---	---	---
		Bottom	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.280	---	0.328	---
			H	22.21	23.30	1.29	---	---	---	---
		Left	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.380	---	0.445	---
			H	22.21	23.30	1.29	---	---	---	---
		Right	L	22.02	23.30	1.34	---	---	---	---
			M	22.62	23.30	1.17	0.010	---	0.012	---
			H	22.21	23.30	1.29	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE4	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.169	---	0.201	---
			H	22.22	23.30	1.28	---	---	---	---
		Left tilt	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.098	---	0.117	---
			H	22.22	23.30	1.28	---	---	---	---
		Right Cheek	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.081	---	0.096	---
			H	22.22	23.30	1.28	---	---	---	---
		Right tilt	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.059	---	0.070	---
			H	22.22	23.30	1.28	---	---	---	---
QPSK 1RB	Body-worn	Back	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.401	---	0.477	---
			H	22.22	23.30	1.28	---	---	---	---
		Front	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.318	---	0.378	---
			H	22.22	23.30	1.28	---	---	---	---
QPSK 1RB	Hotspot	Back	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.401	---	0.477	---
			H	22.22	23.30	1.28	---	---	---	---
		Front	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.318	---	0.378	---
			H	22.22	23.30	1.28	---	---	---	---
		Top	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.050	---	0.060	---
			H	22.22	23.30	1.28	---	---	---	---
		Bottom	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.200	---	0.238	---
			H	22.22	23.30	1.28	---	---	---	---
		Left	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.382	---	0.455	---
			H	22.22	23.30	1.28	---	---	---	---
		Right	L	22.33	23.30	1.25	---	---	---	---
			M	22.54	23.30	1.19	0.042	---	0.050	---
			H	22.22	23.30	1.28	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE5	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.136	---	0.175	---
			H	22.93	24.00	1.28	---	---	---	---
		Left tilt	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.082	---	0.106	---
			H	22.93	24.00	1.28	---	---	---	---
		Right Cheek	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.129	---	0.166	---
			H	22.93	24.00	1.28	---	---	---	---
		Right tilt	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.077	---	0.099	---
			H	22.93	24.00	1.28	---	---	---	---
QPSK 1RB	Body-worn	Back	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.491	---	0.633	---
			H	22.93	24.00	1.28	---	---	---	---
		Front	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.266	---	0.343	---
			H	22.93	24.00	1.28	---	---	---	---
QPSK 1RB	Hotspot	Back	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.491	---	0.633	---
			H	22.93	24.00	1.28	---	---	---	---
		Front	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.266	---	0.343	---
			H	22.93	24.00	1.28	---	---	---	---
		Top	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.010	---	0.013	---
			H	22.93	24.00	1.28	---	---	---	---
		Bottom	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.259	---	0.334	---
			H	22.93	24.00	1.28	---	---	---	---
		Left	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.010	---	0.013	---
			H	22.93	24.00	1.28	---	---	---	---
		Right	L	23.00	24.00	1.26	---	---	---	---
			M	22.88	24.00	1.29	0.182	---	0.235	---
			H	22.93	24.00	1.28	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE7	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.024	---	0.032	---
			H	22.34	23.30	1.25	---	---	---	---
		Left tilt	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.010	---	0.014	---
			H	22.34	23.30	1.25	---	---	---	---
		Right Cheek	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.010	---	0.014	---
			H	22.34	23.30	1.25	---	---	---	---
		Right tilt	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.010	---	0.014	---
			H	22.34	23.30	1.25	---	---	---	---
QPSK 1RB	Body-worn	Back	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.177	---	0.239	---
			H	22.34	23.30	1.25	---	---	---	---
		Front	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.176	---	0.238	---
			H	22.34	23.30	1.25	---	---	---	---
QPSK 1RB	Hotspot	Back	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.177	---	0.239	---
			H	22.34	23.30	1.25	---	---	---	---
		Front	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.176	---	0.238	---
			H	22.34	23.30	1.25	---	---	---	---
		Top	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.010	---	0.014	---
			H	22.34	23.30	1.25	---	---	---	---
		Bottom	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.045	---	0.061	---
			H	22.34	23.30	1.25	---	---	---	---
		Left	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.232	---	0.313	---
			H	22.34	23.30	1.25	---	---	---	---
		Right	L	22.20	23.30	1.29	---	---	---	---
			M	22.00	23.30	1.35	0.010	---	0.014	---
			H	22.34	23.30	1.25	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE12	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.103	---	0.127	---
			H	22.79	24.00	1.32	---	---	---	---
		Left tilt	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.065	---	0.080	---
			H	22.79	24.00	1.32	---	---	---	---
		Right Cheek	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.097	---	0.119	---
			H	22.79	24.00	1.32	---	---	---	---
		Right tilt	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.069	---	0.085	---
			H	22.79	24.00	1.32	---	---	---	---
QPSK 1RB	Body-worn	Back	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.197	---	0.242	---
			H	22.79	24.00	1.32	---	---	---	---
		Front	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.145	---	0.178	---
			H	22.79	24.00	1.32	---	---	---	---
QPSK 1RB	Hotspot	Back	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.197	---	0.242	---
			H	22.79	24.00	1.32	---	---	---	---
		Front	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.145	---	0.178	---
			H	22.79	24.00	1.32	---	---	---	---
		Top	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.010	---	0.012	---
			H	22.79	24.00	1.32	---	---	---	---
		Bottom	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.151	---	0.186	---
			H	22.79	24.00	1.32	---	---	---	---
		Left	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.095	---	0.117	---
			H	22.79	24.00	1.32	---	---	---	---
		Right	L	22.74	24.00	1.34	---	---	---	---
			M	23.11	24.00	1.23	0.262	---	0.322	---
			H	22.79	24.00	1.32	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE13	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.125	---	0.155	---
			H	23.03	24.00	1.25	---	---	---	---
		Left tilt	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.071	---	0.088	---
			H	23.03	24.00	1.25	---	---	---	---
		Right Cheek	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.139	---	0.172	---
			H	23.03	24.00	1.25	---	---	---	---
		Right tilt	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.095	---	0.118	---
			H	23.03	24.00	1.25	---	---	---	---
QPSK 1RB	Body-worn	Back	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.257	---	0.319	---
			H	23.03	24.00	1.25	---	---	---	---
		Front	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.181	---	0.224	---
			H	23.03	24.00	1.25	---	---	---	---
QPSK 1RB	Hotspot	Back	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.257	---	0.319	---
			H	23.03	24.00	1.25	---	---	---	---
		Front	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.181	---	0.224	---
			H	23.03	24.00	1.25	---	---	---	---
		Top	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.010	---	0.012	---
			H	23.03	24.00	1.25	---	---	---	---
		Bottom	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.201	---	0.249	---
			H	23.03	24.00	1.25	---	---	---	---
		Left	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.087	---	0.108	---
			H	23.03	24.00	1.25	---	---	---	---
		Right	L	23.18	24.00	1.21	---	---	---	---
			M	23.08	24.00	1.24	0.274	---	0.340	---
			H	23.03	24.00	1.25	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE17	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.103	---	0.136	---
			H	23.03	24.00	1.25	---	---	---	---
		Left tilt	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.061	---	0.081	---
			H	23.03	24.00	1.25	---	---	---	---
		Right Cheek	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.101	---	0.133	---
			H	23.03	24.00	1.25	---	---	---	---
		Right tilt	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.059	---	0.078	---
			H	23.03	24.00	1.25	---	---	---	---
QPSK 1RB	Body-worn	Back	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.194	---	0.256	---
			H	23.03	24.00	1.25	---	---	---	---
		Front	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.141	---	0.186	---
			H	23.03	24.00	1.25	---	---	---	---
QPSK 1RB	Hotspot	Back	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.194	---	0.256	---
			H	23.03	24.00	1.25	---	---	---	---
		Front	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.141	---	0.186	---
			H	23.03	24.00	1.25	---	---	---	---
		Top	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.010	---	0.013	---
			H	23.03	24.00	1.25	---	---	---	---
		Bottom	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.118	---	0.156	---
			H	23.03	24.00	1.25	---	---	---	---
		Left	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.100	---	0.132	---
			H	23.03	24.00	1.25	---	---	---	---
		Right	L	22.79	24.00	1.32	---	---	---	---
			M	22.80	24.00	1.32	0.273	---	0.360	---
			H	23.03	24.00	1.25	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE38	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.010	---	0.013	---
			H	22.74	24.00	1.34	---	---	---	---
		Left tilt	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.010	---	0.013	---
			H	22.74	24.00	1.34	---	---	---	---
		Right Cheek	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.010	---	0.013	---
			H	22.74	24.00	1.34	---	---	---	---
		Right tilt	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.010	---	0.013	---
			H	22.74	24.00	1.34	---	---	---	---
QPSK 1RB	Body-worn	Back	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.048	---	0.060	---
			H	22.74	24.00	1.34	---	---	---	---
		Front	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.057	---	0.071	---
			H	22.74	24.00	1.34	---	---	---	---
QPSK 1RB	Hotspot	Back	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.048	---	0.060	---
			H	22.74	24.00	1.34	---	---	---	---
		Front	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.057	---	0.071	---
			H	22.74	24.00	1.34	---	---	---	---
		Top	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.010	---	0.013	---
			H	22.74	24.00	1.34	---	---	---	---
		Bottom	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.036	---	0.045	---
			H	22.74	24.00	1.34	---	---	---	---
		Left	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.044	---	0.055	---
			H	22.74	24.00	1.34	---	---	---	---
		Right	L	22.79	24.00	1.32	---	---	---	---
			M	23.02	24.00	1.25	0.010	---	0.013	---
			H	22.74	24.00	1.34	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE41	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left touch	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.023	---	0.031	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Left tilt	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.010	---	0.014	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Right touch	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.010	---	0.014	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Right tilt	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.010	---	0.014	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
QPSK 1RB	Body-worn	Back	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.059	---	0.080	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Front	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.064	---	0.086	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
QPSK 1RB	Hotspot	Back	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.059	---	0.080	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Front	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.064	---	0.086	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Top	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.010	---	0.014	---

			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Bottom	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.010	---	0.014	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Left	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.061	---	0.082	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---
		Right	L	23.35	24.50	1.30	---	---	---	---
			L-M		0.00	1.00	---	---	---	---
			M	23.20	24.50	1.35	0.010	---	0.014	---
			M-H		0.00	1.00	---	---	---	---
			H	23.65	24.50	1.22	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
LTE66	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.164	---	0.182	---
			H	22.53	23.30	1.19	---	---	---	---
		Left tilt	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.087	---	0.097	---
			H	22.53	23.30	1.19	---	---	---	---
		Right Cheek	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.080	---	0.089	---
			H	22.53	23.30	1.19	---	---	---	---
		Right tilt	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.059	---	0.065	---
			H	22.53	23.30	1.19	---	---	---	---
QPSK 1RB	Body-worn	Back	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.388	---	0.431	---
			H	22.53	23.30	1.19	---	---	---	---
		Front	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.304	---	0.337	---
			H	22.53	23.30	1.19	---	---	---	---
QPSK 1RB	Hotspot	Back	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.388	---	0.431	---
			H	22.53	23.30	1.19	---	---	---	---
		Front	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.304	---	0.337	---
			H	22.53	23.30	1.19	---	---	---	---
		Top	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.044	---	0.049	---
			H	22.53	23.30	1.19	---	---	---	---
		Bottom	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.205	---	0.228	---
			H	22.53	23.30	1.19	---	---	---	---
		Left	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.474	---	0.526	---
			H	22.53	23.30	1.19	---	---	---	---
		Right	L	22.36	23.30	1.24	---	---	---	---
			M	22.85	23.30	1.11	0.051	---	0.057	---
			H	22.53	23.30	1.19	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR5 (NSA)	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.092	---	0.095	---
			H	23.68	24.00	1.08	---	---	---	---
		Left tilt	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.051	---	0.053	---
			H	23.68	24.00	1.08	---	---	---	---
		Right Cheek	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.106	---	0.109	---
			H	23.68	24.00	1.08	---	---	---	---
		Right tilt	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.058	---	0.060	---
			H	23.68	24.00	1.08	---	---	---	---
QPSK 1RB	Body-worn	Back	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.284	---	0.293	---
			H	23.68	24.00	1.08	---	---	---	---
		Front	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.199	---	0.205	---
			H	23.68	24.00	1.08	---	---	---	---
QPSK 1RB	Hotspot	Back	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.284	---	0.293	---
			H	23.68	24.00	1.08	---	---	---	---
		Front	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.199	---	0.205	---
			H	23.68	24.00	1.08	---	---	---	---
		Top	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.010	---	0.010	---
			H	23.68	24.00	1.08	---	---	---	---
		Bottom	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.193	---	0.199	---
			H	23.68	24.00	1.08	---	---	---	---
		Left	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.010	---	0.010	---
			H	23.68	24.00	1.08	---	---	---	---
		Right	L	23.79	24.00	1.05	---	---	---	---
			M	23.87	24.00	1.03	0.138	---	0.142	---
			H	23.68	24.00	1.08	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR41 (NSA)	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left touch	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.010	---	0.011	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Left tilt	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.010	---	0.011	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Right touch	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.010	---	0.011	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Right tilt	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.010	---	0.011	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
QPSK 1RB	Body-worn	Back	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.113	---	0.122	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Front	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.120	---	0.130	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
QPSK 1RB	Hotspot	Back	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.113	---	0.122	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Front	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.120	---	0.130	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Top	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.010	---	0.011	---

			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Bottom	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.146	---	0.158	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Left	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.010	---	0.011	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---
		Right	L	24.13	24.50	1.09	---	---	---	---
			L-M		24.50	281.84	---	---	---	---
			M	24.17	24.50	1.08	0.032	---	0.035	---
			M-H		24.50	281.84	---	---	---	---
			H	24.01	24.50	1.12	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Meas SAR(w/kg)		Report SAR(w/kg)	
NR66 (NSA)	Exposure condition	Position	Channel				First	Second	First	Second
QPSK 1RB	Head	Left Cheek	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.090	---	0.101	---
			H	23.97	24.50	1.13	---	---	---	---
		Left tilt	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.047	---	0.053	---
			H	23.97	24.50	1.13	---	---	---	---
		Right Cheek	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.085	---	0.095	---
			H	23.97	24.50	1.13	---	---	---	---
		Right tilt	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.048	---	0.054	---
			H	23.97	24.50	1.13	---	---	---	---
QPSK 1RB	Body-worn	Back	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.367	---	0.411	---
			H	23.97	24.50	1.13	---	---	---	---
		Front	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.302	---	0.338	---
			H	23.97	24.50	1.13	---	---	---	---
QPSK 1RB	Hotspot	Back	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.367	---	0.411	---
			H	23.97	24.50	1.13	---	---	---	---
		Front	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.302	---	0.338	---
			H	23.97	24.50	1.13	---	---	---	---
		Top	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.010	---	0.011	---
			H	23.97	24.50	1.13	---	---	---	---
		Bottom	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.193	---	0.216	---
			H	23.97	24.50	1.13	---	---	---	---
		Left	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.384	---	0.430	---
			H	23.97	24.50	1.13	---	---	---	---
		Right	L	23.93	24.50	1.14	---	---	---	---
			M	24.01	24.50	1.12	0.010	---	0.011	---
			H	23.97	24.50	1.13	---	---	---	---

7.2.2 Unlicensed MIMO

Test case				Meas power(dBm)	Tune-up (dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
BT	Exposure condition	Position	Channel						First	Second	First	Second
BR	Head	Left Cheek	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.158	---	0.167	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Left tilt	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.125	---	0.133	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Right Cheek	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.124	---	0.131	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Right tilt	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.103	---	0.109	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
BR	Body-worn	Back	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.049	---	0.052	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Front	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.020	---	0.021	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
BR	Hotspot (Support Bluetooth Thetering)	Back	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.049	---	0.052	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Front	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.020	---	0.021	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Top	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.020	---	0.021	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Bottom	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.020	---	0.021	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Left	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.082	---	0.087	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---
		Right	L	13.96	14.00	1.01	100%	1.00	---	---	---	---
			M	13.73	14.00	1.06	100%	1.00	0.020	---	0.021	---
			H	12.28	14.00	1.49	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN2.4GHz	Exposure condition	Position	Channel						First	Second	First	Second
802.11b	Head	Left Cheek	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.479	---	0.685	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Left tilt	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.433	---	0.619	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Right Cheek	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.408	---	0.583	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Right tilt	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.396	---	0.566	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
802.11b	Body-worn	Back	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.131	---	0.187	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Front	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.111	---	0.159	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
802.11b	Hotspot	Back	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.131	---	0.187	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Front	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.111	---	0.159	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Top	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.104	---	0.149	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Bottom	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.010	---	0.014	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Left	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.175	---	0.250	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---
		Right	L	13.46	15.00	1.43	100%	1.00	---	---	---	---
			M	13.45	15.00	1.43	100%	1.00	0.077	---	0.110	---
			H	13.60	15.00	1.38	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN5GHz UNII-1	Exposure condition	Position	Channel						First	Second	First	Second
802.11a	Head	Left Cheek	L	13.43	14.10	1.17	100%	1.00	---	---	---	---
			M	13.64	14.10	1.11	100%	1.00	0.170	---	0.189	---
			H	12.97	14.10	1.30	100%	1.00	---	---	---	---
		Left tilt	L	13.43	14.10	1.17	100%	1.00	---	---	---	---
			M	13.64	14.10	1.11	100%	1.00	0.138	---	0.153	---
			H	12.97	14.10	1.30	100%	1.00	---	---	---	---
		Right Cheek	L	13.43	14.10	1.17	100%	1.00	---	---	---	---
			M	13.64	14.10	1.11	100%	1.00	0.221	---	0.245	---
			H	12.97	14.10	1.30	100%	1.00	---	---	---	---
		Right tilt	L	13.43	14.10	1.17	100%	1.00	---	---	---	---
			M	13.64	14.10	1.11	100%	1.00	0.172	---	0.191	---
			H	12.97	14.10	1.30	100%	1.00	---	---	---	---
802.11a	Body-worn	Back	L	13.43	14.10	1.17	100%	1.00	---	---	---	---
			M	13.64	14.10	1.11	100%	1.00	0.089	---	0.099	---
			H	12.97	14.10	1.30	100%	1.00	---	---	---	---
		Front	L	13.43	14.10	1.17	100%	1.00	---	---	---	---
			M	13.64	14.10	1.11	100%	1.00	0.048	---	0.053	---
			H	12.97	14.10	1.30	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN5GHz UNII-2A	Exposure condition	Position	Channel						First	Second	First	Second
802.11a	Head	Left Cheek	L	12.81	14.10	1.35	100%	1.00	---	---	---	---
			M	13.47	14.10	1.16	100%	1.00	0.186	---	0.216	---
			H	13.38	14.10	1.18	100%	1.00	---	---	---	---
		Left tilt	L	12.81	14.10	1.35	100%	1.00	---	---	---	---
			M	13.47	14.10	1.16	100%	1.00	0.117	---	0.136	---
			H	13.38	14.10	1.18	100%	1.00	---	---	---	---
		Right Cheek	L	12.81	14.10	1.35	100%	1.00	---	---	---	---
			M	13.47	14.10	1.16	100%	1.00	0.202	---	0.234	---
			H	13.38	14.10	1.18	100%	1.00	---	---	---	---
		Right tilt	L	12.81	14.10	1.35	100%	1.00	---	---	---	---
			M	13.47	14.10	1.16	100%	1.00	0.153	---	0.177	---
			H	13.38	14.10	1.18	100%	1.00	---	---	---	---
802.11a	Body-worn	Back	L	12.81	14.10	1.35	100%	1.00	---	---	---	---
			M	13.47	14.10	1.16	100%	1.00	0.085	---	0.099	---
			H	13.38	14.10	1.18	100%	1.00	---	---	---	---
		Front	L	12.81	14.10	1.35	100%	1.00	---	---	---	---
			M	13.47	14.10	1.16	100%	1.00	0.061	---	0.071	---
			H	13.38	14.10	1.18	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN5GHz UNII-2C	Exposure condition	Position	Channel						First	Second	First	Second
802.11a	Head	Left Cheek	L	13.42	14.10	1.17	100%	1.00	---	---	---	---
			M	13.57	14.10	1.13	100%	1.00	0.228	---	0.258	---
			H	13.19	14.10	1.23	100%	1.00	---	---	---	---
		Left tilt	L	13.42	14.10	1.17	100%	1.00	---	---	---	---
			M	13.57	14.10	1.13	100%	1.00	0.168	---	0.190	---
			H	13.19	14.10	1.23	100%	1.00	---	---	---	---
		Right Cheek	L	13.42	14.10	1.17	100%	1.00	---	---	---	---
			M	13.57	14.10	1.13	100%	1.00	0.167	---	0.189	---
			H	13.19	14.10	1.23	100%	1.00	---	---	---	---
		Right tilt	L	13.42	14.10	1.17	100%	1.00	---	---	---	---
			M	13.57	14.10	1.13	100%	1.00	0.176	---	0.199	---
			H	13.19	14.10	1.23	100%	1.00	---	---	---	---
802.11a	Body-worn	Back	L	13.42	14.10	1.17	100%	1.00	---	---	---	---
			M	13.57	14.10	1.13	100%	1.00	0.157	---	0.177	---
			H	13.19	14.10	1.23	100%	1.00	---	---	---	---
		Front	L	13.42	14.10	1.17	100%	1.00	---	---	---	---
			M	13.57	14.10	1.13	100%	1.00	0.071	---	0.080	---
			H	13.19	14.10	1.23	100%	1.00	---	---	---	---

Test case				Meas power(dBm)	Tune-up(dBm)	Scaling factor	Duty cycle	Duty factor	Meas SAR(w/kg)		Report SAR(w/kg)	
WLAN5GHz UNII-3	Exposure condition	Position	Channel						First	Second	First	Second
802.11a	Head	Left Cheek	L	13.94	14.10	1.04	100%	1.00	---	---	---	---
			M	13.72	14.10	1.09	100%	1.00	0.297	---	0.324	---
			H	13.17	14.10	1.24	100%	1.00	---	---	---	---
		Left tilt	L	13.94	14.10	1.04	100%	1.00	---	---	---	---
			M	13.72	14.10	1.09	100%	1.00	0.208	---	0.227	---
			H	13.17	14.10	1.24	100%	1.00	---	---	---	---
		Right Cheek	L	13.94	14.10	1.04	100%	1.00	---	---	---	---
			M	13.72	14.10	1.09	100%	1.00	0.320	---	0.349	---
			H	13.17	14.10	1.24	100%	1.00	---	---	---	---
		Right tilt	L	13.94	14.10	1.04	100%	1.00	---	---	---	---
			M	13.72	14.10	1.09	100%	1.00	0.231	---	0.252	---
			H	13.17	14.10	1.24	100%	1.00	---	---	---	---
802.11a	Body-worn	Back	L	13.94	14.10	1.04	100%	1.00	---	---	---	---
			M	13.72	14.10	1.09	100%	1.00	0.344	---	0.375	---
			H	13.17	14.10	1.24	100%	1.00	---	---	---	---
		Front	L	13.94	14.10	1.04	100%	1.00	---	---	---	---
			M	13.72	14.10	1.09	100%	1.00	0.065	---	0.071	---
			H	13.17	14.10	1.24	100%	1.00	---	---	---	---

7.3 Simultaneous Transmission SAR Analysis

7.3.1 Multi-TX SAR

SRTC use algebraic summation first, if the value exceed limit, then adopt field vector summation as final result as well as satisfy any pair SPLSR for 1g-SAR = (SAR1+ SAR2)1.5/Ri≤ 0.04 (rounded to two decimal digits), SPLSR for 10g-SAR = (SAR1 + SAR2)1.5/R≤ 0.10(rounded to two decimal digits)

Exposure condition	Head			
Position	Left cheek	Left tilt	Right cheek	Right tilt
WWAN SISO1	DC_66A_n5A	DC_66A_n5A	DC_13A_n66A	DC_13A_n66A
WWAN SISO1	0.277	0.149	0.268	0.172
BT	0.167	0.133	0.131	0.109
WLAN2.4GHz	0.685	0.619	0.583	0.566
WLAN5GHz	0.324	0.227	0.349	0.252
+BT	0.444	0.282	0.399	0.281
+WLAN2.4GHz	0.962	0.768	0.851	0.738
+WLAN5GHz	0.601	0.376	0.617	0.424
+BT +WLAN5GHz	0.768	0.509	0.748	0.533
+WLAN2.4GHz +WLAN5GHz	1.286	0.995	1.20	0.990
Simultaneous Transmission	DC_66A_n5A +WLAN2.4GHz +WLAN5GHz	DC_66A_n5A +WLAN2.4GHz +WLAN5GHz	DC_13A_n66A +WLAN2.4GHz +WLAN5GHz	DC_13A_n66A +WLAN2.4GHz +WLAN5GHz
Simultaneous Transmission	1.286	0.995	1.20	0.990

Exposure condition	Body worn	
Position	Back	Front
WWAN SISO1	DC_13A_n66A	DC_13A_n66A
WWAN SISO1	0.730	0.563
BT	0.052	0.021
WLAN2.4GHz	0.187	0.159
WLAN5GHz	0.375	0.080
+BT	0.782	0.584
+WLAN2.4GHz	0.917	0.722
+WLAN5GHz	1.105	0.643
+BT +WLAN5GHz	1.157	0.664
+WLAN2.4GHz +WLAN5GHz	1.292	0.802
Simultaneous Transmission	DC_13A_n66A +WLAN2.4GHz +WLAN5GHz	DC_13A_n66A +WLAN2.4GHz +WLAN5GHz
Simultaneous Transmission	1.292	0.802

Exposure condition	Hotspot					
Position	Back	Front	Top	Bottom	Left	Right
WWAN SISO1	DC_13A_n66A	DC_13A_n66A	LTE Band4	DC_13A_n66A	DC_13A_n66A	LTE Band17
WWAN SISO1	0.730	0.563	0.060	0.465	0.538	0.360
BT	0.052	0.021	0.021	0.021	0.087	0.021
WLAN2.4GHz	0.187	0.159	0.149	0.014	0.250	0.110
+BT	0.782	0.584	0.081	0.486	0.625	0.381
+WLAN2.4GHz	0.917	0.722	0.209	0.479	0.788	0.470
Simultaneous Transmission	DC_13A_n66A +WLAN2.4GHz	DC_13A_n66A +WLAN2.4GHz	LTE Band4+ WLAN2.4GHz	DC_13A_n66A +BT	DC_13A_n66A +WLAN2.4GHz	DC_13A_n66A +WLAN2.4GHz
Simultaneous Transmission	0.917	0.722	0.209	0.486	0.788	0.470

7.3.2 NFC

Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation. **Simultaneous transmission exclusion method applied for NFC.**

For NFC P available = P th ,m * (SAR limit. - SAR 1)/SAR limit

Head: P available = 20mW * (1.6-1.286) / 2.0 =3.14 mW = 4.87dBm >power of NFC

Body worn: P available = 20mW * (1.6-1.292) / 2.0 =3.08 mW = 4.89dBm >power of NFC

Hotspot: P available = 20mW * (1.6-0.917) /2.0 =6.83mW =8.34dBm >power of NFC

So the simultaneous transmission SAR test is not required

8 MEASUREMENT UNCERTAINTY

Uncertainty Budget

(Frequency band: 300 MHz–10 GHz range)

Symbol	Error Description	Uncert. value	Prob. Dist.	Div.	(c_i) (1 g)	(c_i) (10 g)	Std. Unc. (1 g)	Std. Unc. (10 g)
Measurement System Errors								
CF	Probe Calibration	±18.6%	N	2	1	1	±9.3%	±9.3%
CF_{drift}	Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±0.98%	±0.98%
LIN	Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.71%	±2.71%
BBS	Broadband Signal	±2.8%	R	$\sqrt{3}$	1	1	±1.62%	±1.62%
ISO	Probe Isotropy (axial)	±9.6%	R	$\sqrt{3}$	1	1	±5.54%	±5.54%
DAE	Other Probe+Electronic	±2.4%	N	1	1	1	±2.4%	±2.4%
AMB	RF Ambient	±0.0%	N	1	1	1	±0.0%	±0.0%
Δ_{sys}	Probe Positioning	±0.005mm	N	1	0.5	0.5	±0.25%	±0.25%
DAT	Data Processing	±4.0%	N	1	1	1	±4.0%	±4.0%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.)^{DAK}	±3.0%	N	1	0.78	0.71	±2.34%	±2.13%
LIQ(T_σ)	Conductivity (temp.)^{BB}	±2.43%	R	$\sqrt{3}$	0.78	0.71	±1.09%	±1.00%
EPS	Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0.5	0.5	±4.04%	±4.04%
DIS	Distance DUT – TSL	±2.6%	N	1	2	2	±1.30%	±1.30%
D_{xyz}	Device Positioning	±0.9%	N	1	1	1	±0.9%	±0.9%
H	Device Holder	±2.8%	N	1	1	1	±2.8%	±2.8%
MOD	DUT Modulation	±2.4%	R	$\sqrt{3}$	1	1	±1.39%	±1.39%
TAS	Time-average SAR	±1.73%	R	$\sqrt{3}$	1	1	±1.00%	±1.00%
RF_{drift}	DUT drift	±1.78%	N	1	1	1	±1.78%	±1.78%
VAL	Validation antenna	±3.2%	N	1	1	1	±3.2%	±3.2%
P_{in}	Accepted power	±2.0%	N	1	1	1	±2.0%	±2.0%
Correction to the SAR results								
C(ε, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.60%
C(R)	SAR scaling^{p}	±0%	R	$\sqrt{3}$	1	1	±0%	±0%
u(ΔSAR)	Combined Uncertainty						14.39	14.32
U	**Expanded Uncertainty**						28.78	28.64

Note: SRTC evaluate the components of uncertainty periodically to make sure there is no influence on SAR result.

9 TEST EQUIPMENTS

The measurements were performed using an automated near-field scanning system, DASY, manufactured by Schmid & Partner Engineering AG (SPEAG) in Switzerland, all the components and supplement devices listed below.

Test Equipment	Model	Serial Number	Calibration date	Calibration due data
DAE	DAE4	546	2023/09/15	2024/09/14
Dosimetric E-field Probe	EX3DV4	3708	2023/10/30	2024/10/29
Dipole Validation Kit	D750V3	1101	2023/10/19	2026/10/18
Dipole Validation Kit	D835V2	4d023	2023/10/25	2026/10/24
Dipole Validation Kit	D900V2	171	2023/09/19	2026/09/18
Dipole Validation Kit	D1450V2	1065	2023/10/17	2026/10/16
Dipole Validation Kit	D1800V2	2d084	2023/09/18	2026/09/17
Dipole Validation Kit	D2000V2	1009	2023/10/23	2026/10/22
Dipole Validation Kit	D2450V2	738	2023/10/23	2026/10/22
Dipole Validation Kit	D2600V2	1166	2022/10/19	2025/10/18
Dipole Validation Kit	D3300V2	1014	2022/10/19	2025/10/18
Dipole Validation Kit	D3500V2	1090	2022/10/20	2025/10/19
Dipole Validation Kit	D3700V2	1058	2022/10/19	2025/10/18
Dipole Validation Kit	D3900V2	1033	2022/10/21	2025/10/20
Dipole Validation Kit	D4200V2	1013	2022/10/19	2025/10/18
Dipole Validation Kit	D4600V2	1033	2022/10/20	2025/10/19
Dipole Validation Kit	D4900V2	1025	2022/10/21	2025/10/20
Dipole Validation Kit	D5GHzV2	1079	2023/10/17	2026/10/16

Note: Longer calibration intervals of up to **3 years is acceptable** when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable.

Test Equipment	Model	Serial Number	Calibration within 1year
Signal Generator	E8257dD	MY46522016	Comply
Power meter	E4417A	MY45101004	Comply
Power Sensor	E9300B	MY41496001	Comply
Power Sensor	E9300B	MY41496003	Comply
Vector Network Analyzer	VNA R140	0011213	Comply
Dielectric Parameter Probe	DAKS-3.5	1042	Comply
Communication Tester	E5515C	MY48367401	Comply
Communication Tester	CMW500	161702	Comply
Communication Tester	MT8820C	6201300660	Comply
Communication Tester	SP9500	20334	Comply

Software	Version
DASY5	52.10.4.1527
DASY6	16.0.0.116

SEMCAD X	14.6.14
DAK	3.0.4.1

SAR Target: Refers to system check, measured SAR (1g and 10g) deviates from the Target SAR value of calibration report within 10%.

Impedance and Return loss measured by Network analyzer: The most recent measurement of the real or imaginary parts of the impedance deviates within 5 Ω from the previous measurement. The most recent return-loss result deviates within 20% from the previous measurement. (Target from the last calibration report, Return loss<20db)

Dipole450 TSL Parameters		
(feed point 450MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	55.2Ω+6.09jΩ	55.5Ω+6.40jΩ
Return loss	-22.1 dB	-21.9 dB
Dipole750 TSL Parameters		
(feed point 750MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.9Ω-1.98jΩ	53.7Ω-1.63jΩ
Return loss	-28.5 dB	-28.2dB
Dipole835 TSL Parameters		
(feed point 835MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.2Ω-3.16jΩ	52.6Ω-2.37jΩ
Return loss	-29.6 dB	-29.3dB
Dipole900 TSL Parameters		
(feed point 900MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	50.4Ω-5.89jΩ	49.1Ω-6.69jΩ
Return loss	-23.6 dB	-23.4dB
Dipole1450 TSL Parameters		
(feed point 1450MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	52.7Ω-1.65jΩ	52.4Ω-1.35jΩ
Return loss	-31.8 dB	-31.5dB
Dipole1800 TSL Parameters		
(feed point 1800MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	48.2Ω-3.06jΩ	48.9Ω-2.71jΩ
Return loss	-30.9 dB	-30.6dB
Dipole2000 TSL Parameters		
(feed point 2000MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	50.5Ω-2.37jΩ	49.4Ω-2.46jΩ
Return loss	-32.3 dB	-31.9dB
Dipole2450 TSL Parameters		

(feed point 2450MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.9Ω+5.98jΩ	53.3Ω+6.38jΩ
Return loss	-22.9 dB	-23.1dB
Dipole2600 TSL Parameters		
(feed point 2600MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	48.3Ω-6.89jΩ	47.9Ω-7.80jΩ
Return loss	-22.1 dB	-21.7dB
Dipole3300 TSL Parameters		
(feed point 3300MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	54.4Ω-6.1jΩ	54.7Ω-6.3jΩ
Return loss	-23.1dB	-22.5dB
Dipole3500 TSL Parameters		
(feed point 3500MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.1Ω+3.68jΩ	52.6Ω+3.5jΩ
Return loss	-27.8dB	-27.4dB
Dipole3700 TSL Parameters		
(feed point 3700MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	47.8Ω+1.39jΩ	48.3Ω+1.1jΩ
Return loss	-33.9 dB	-33.6dB
Dipole3900 TSL Parameters		
(feed point 3900MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	49.1Ω-5.08jΩ	48.3Ω-4.9jΩ
Return loss	-25.9 dB	-25.6dB
(feed point 4100MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	58.6Ω-1.01jΩ	59.0Ω-0.8jΩ
Return loss	-21.8 dB	-21.6dB
Dipole4200 TSL Parameters		
(feed point 4300MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	51.9Ω-1.52jΩ	52.1Ω-1.6jΩ
Return loss	-32.1 dB	-31.7dB
Dipole4600 TSL Parameters		
(feed point 4500MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	46.9Ω-4.64jΩ	46.4Ω-4.5jΩ
Return loss	-24.9dB	-24.5dB
(feed point 4700MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	54.8Ω-2.98jΩ	55.9Ω-3.20jΩ
Return loss	-24.4 dB	-24.0dB

Dipole4900 TSL Parameters		
(feed point 4900MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	50.8Ω-4.90jΩ	50.6Ω-5.2jΩ
Return loss	-25.9 dB	-25.7dB
Dipole5GHz TSL Parameters		
(feed point 5200MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	51.2Ω-10.89jΩ	50.2Ω-10.0jΩ
Return loss	-20.4 dB	-20.0dB
(feed point 5300MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	48.0Ω-6.95jΩ	47.2Ω-7.33jΩ
Return loss	-22.3 dB	-21.9dB
(feed point 5500MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	51.6Ω-7.61jΩ	52.0Ω-7.96jΩ
Return loss	-22.3 dB	-21.9dB
(feed point 5600MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	55.4Ω-4.28jΩ	55.7Ω-3.78jΩ
Return loss	-24.1 dB	-23.8dB
(feed point 5800MHz)		
Parameters	Measured data	Target (Ref. Value)
Impedance	53.8Ω-5.96jΩ	53.7Ω-5.87jΩ
Return loss	-23.9 dB	-23.5dB