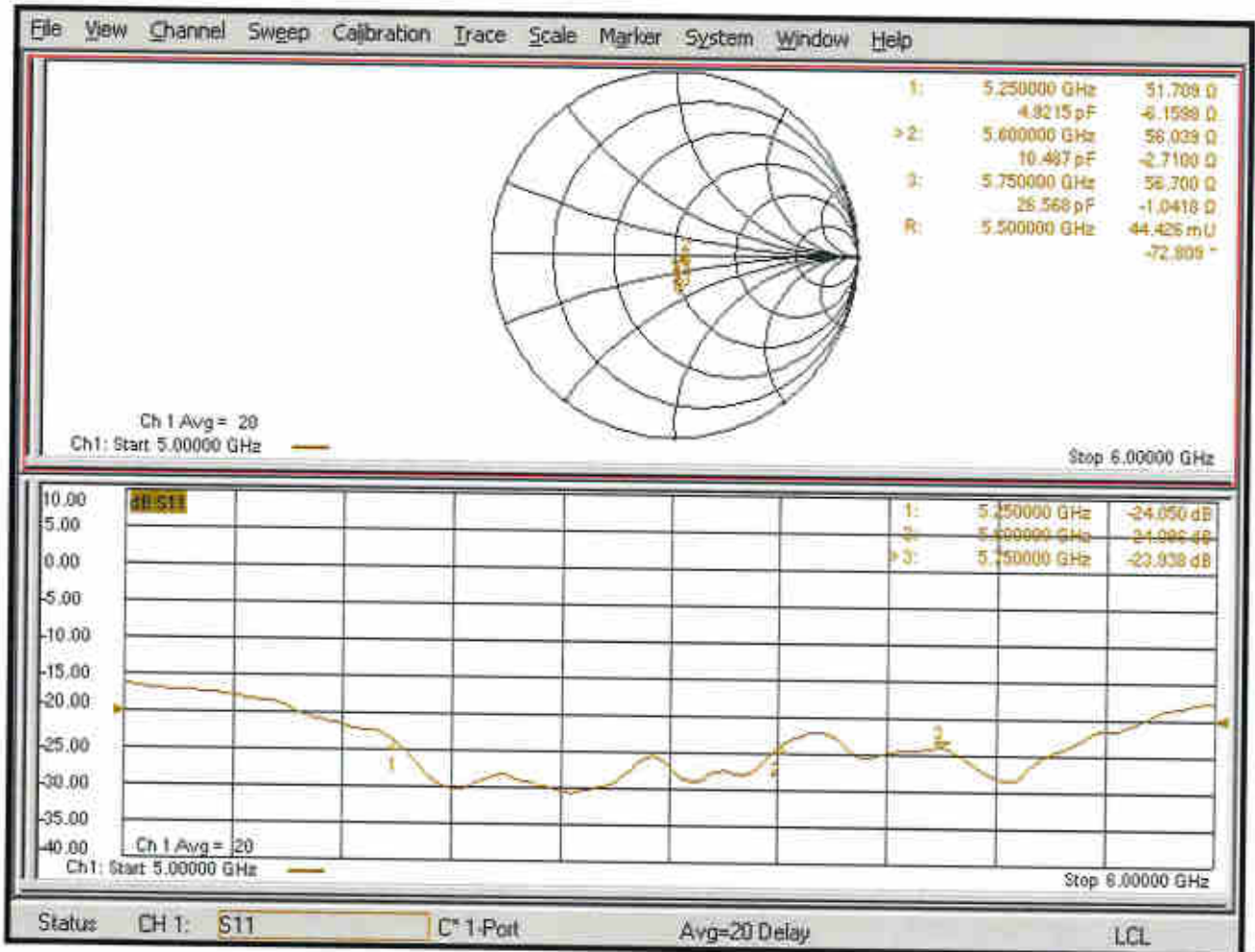


Impedance Measurement Plot for Head TSL





D5GHzV2, Serial No. 1113 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss (<-20dB, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

| D5GHzV2 – serial no. 1113 | | | | | | |
|---------------------------|------------------|-----------|----------------------|-------------|---------------------------|-------------|
| 5250 Head | | | | | | |
| Date of Measurement | Return-Loss (dB) | Delta (%) | Real Impedance (ohm) | Delta (ohm) | Imaginary Impedance (ohm) | Delta (ohm) |
| 2019.9.24 | -24.05 | | 51.71 | | -6.16 | |
| 2020.9.23 | -24.80 | -0.03 | 50.56 | 1.15 | -5.94 | -0.22 |
| 2021.9.23 | -23.93 | 0.01 | 51.89 | -0.18 | -6.28 | 0.12 |

| D5GHzV2 – serial no. 1113 | | | | | | |
|---------------------------|------------------|-----------|----------------------|-------------|---------------------------|-------------|
| 5600 Head | | | | | | |
| Date of Measurement | Return-Loss (dB) | Delta (%) | Real Impedance (ohm) | Delta (ohm) | Imaginary Impedance (ohm) | Delta (ohm) |
| 2019.9.24 | -24.09 | | 56.04 | | -2.71 | |
| 2020.9.23 | -23.95 | 0.01 | 57.70 | -1.66 | -2.85 | 0.14 |
| 2021.9.23 | -24.99 | -0.04 | 56.04 | 0.01 | -2.69 | -0.02 |

| D5GHzV2 – serial no. 1113 | | | | | | |
|---------------------------|------------------|-----------|----------------------|-------------|---------------------------|-------------|
| 5750 Head | | | | | | |
| Date of Measurement | Return-Loss (dB) | Delta (%) | Real Impedance (ohm) | Delta (ohm) | Imaginary Impedance (ohm) | Delta (ohm) |
| 2019.9.24 | -23.94 | | 56.70 | | -1.04 | |
| 2020.9.23 | -21.92 | 0.08 | 58.56 | -1.86 | -1.58 | 0.54 |
| 2021.9.23 | -22.90 | 0.04 | 57.64 | -0.94 | -1.04 | 0.00 |

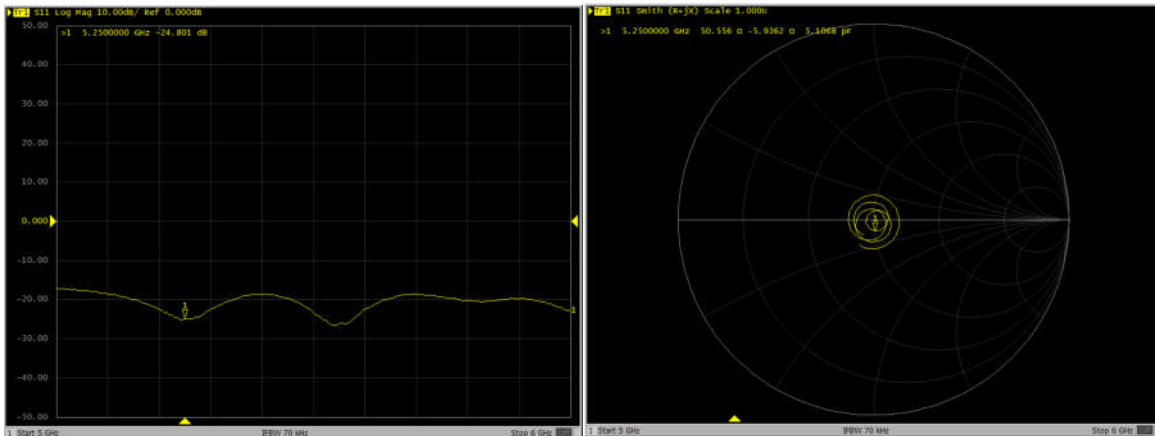


<Justification of the extended calibration>

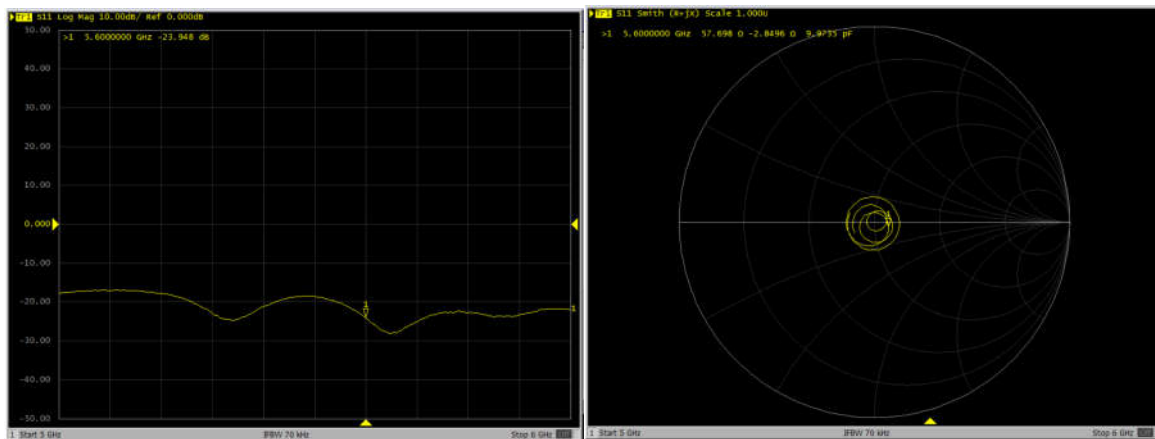
The return loss is < -20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

Dipole Verification Data> D5GHzV2, Serial No. 1113

5250MHz – Head—2020. 9. 23

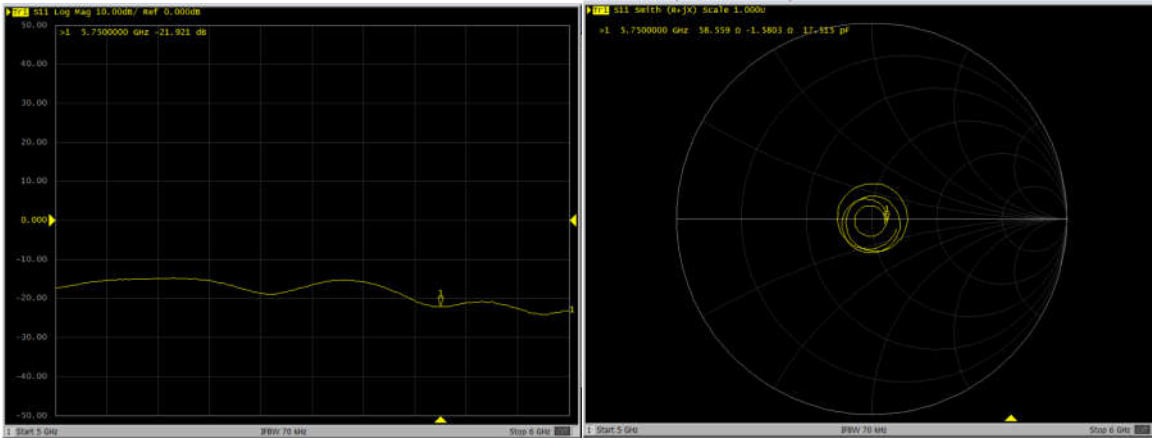


5600MHz – Head—2020. 9. 23

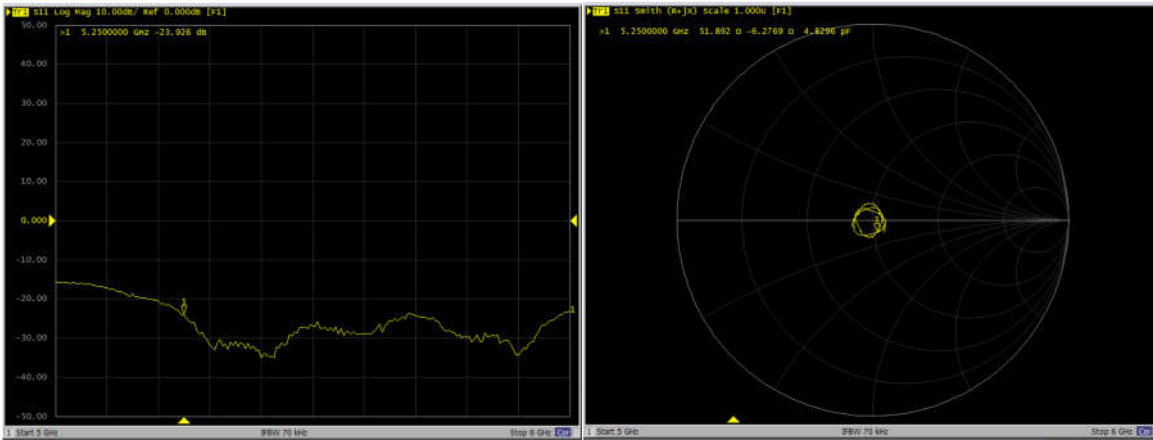




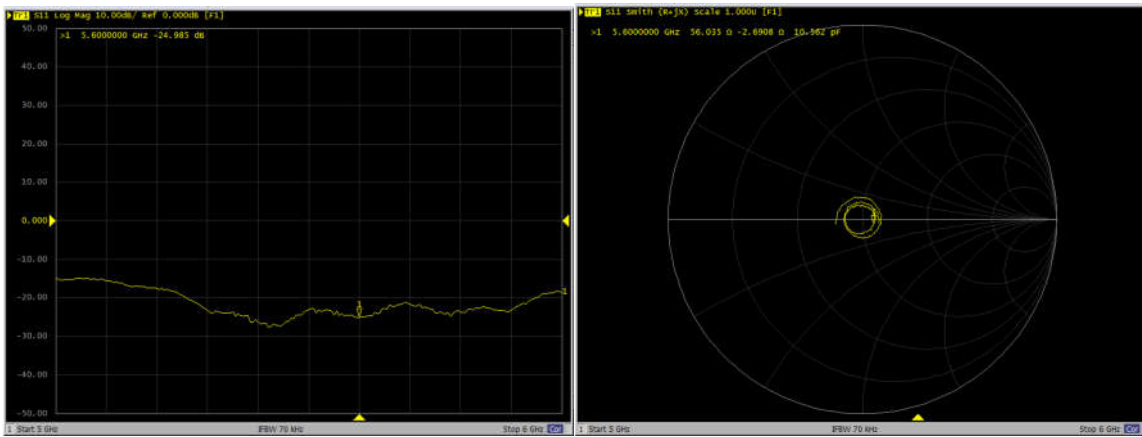
5750MHz – Head——2020. 9. 23



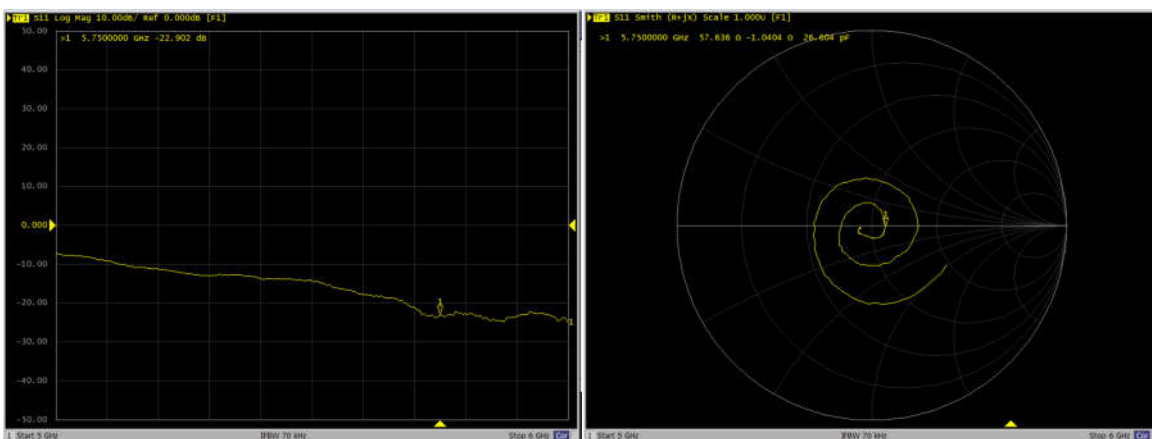
5250MHz – Head——2021. 9. 23



5600MHz – Head——2021. 9. 23

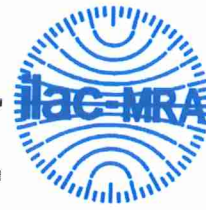


5750MHz – Head——2021. 9. 23





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Client : **Sporton**

Certificate No: **Z21-60491**

CALIBRATION CERTIFICATE

Object: **DAE4 - SN: 715**

Calibration Procedure(s): **FF-Z11-002-01**
Calibration Procedure for the Data Acquisition Electronics (DAEx)

Calibration date: **December 29, 2021**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements(SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature(22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID # | Cal Date(Calibrated by, Certificate No.) | Scheduled Calibration |
|------------------------|---------|--|-----------------------|
| Process Calibrator 753 | 1971018 | 15-Jun-21 (CTTL, No.J21X04465) | Jun-22 |

| | Name | Function | Signature |
|----------------|-------------|--------------------|-----------|
| Calibrated by: | Yu Zongying | SAR Test Engineer | |
| Reviewed by: | Lin Hao | SAR Test Engineer | |
| Approved by: | Qi Dianyuan | SAR Project Leader | |

Issued: December 31, 2021

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Glossary:

DAE data acquisition electronics
Connector angle information used in DASY system to align probe sensor X to the robot coordinate system.

Methods Applied and Interpretation of Parameters:

- *DC Voltage Measurement:* Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- *Connector angle:* The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The report provide only calibration results for DAE, it does not contain other performance test results.

DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1 μ V, full range = -100...+300 mV
Low Range: 1LSB = 61nV, full range = -1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| Calibration Factors | X | Y | Z |
|---------------------|---------------------------|---------------------------|---------------------------|
| High Range | 405.122 \pm 0.15% (k=2) | 404.671 \pm 0.15% (k=2) | 404.495 \pm 0.15% (k=2) |
| Low Range | 3.99094 \pm 0.7% (k=2) | 3.97897 \pm 0.7% (k=2) | 3.97797 \pm 0.7% (k=2) |

Connector Angle

| | |
|---|-----------------|
| Connector Angle to be used in DASY system | 330.5° \pm 1° |
|---|-----------------|



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Client **Auden**

Certificate No: **Z21-60210**

CALIBRATION CERTIFICATE

Object **EX3DV4 - SN : 3975**

Calibration Procedure(s) **FF-Z11-004-02**
Calibration Procedures for Dosimetric E-field Probes

Calibration date: **June 07, 2021**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements(SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature(22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID # | Cal Date(Calibrated by, Certificate No.) | Scheduled Calibration |
|--------------------------|-------------|--|-----------------------|
| Power Meter NRP2 | 101919 | 16-Jun-20(CTTL, No.J20X04344) | Jun-21 |
| Power sensor NRP-Z91 | 101547 | 16-Jun-20(CTTL, No.J20X04344) | Jun-21 |
| Power sensor NRP-Z91 | 101548 | 16-Jun-20(CTTL, No.J20X04344) | Jun-21 |
| Reference 10dBAttenuator | 18N50W-10dB | 10-Feb-20(CTTL, No.J20X00525) | Feb-22 |
| Reference 20dBAttenuator | 18N50W-20dB | 10-Feb-20(CTTL, No.J20X00526) | Feb-22 |
| Reference Probe EX3DV4 | SN 3617 | 27-Jan-21(SPEAG, No.EX3-3617_Jan21) | Jan-22 |
| DAE4 | SN 1556 | 15-Jan-21(SPEAG, No.DAE4-1556_Jan21) | Jan-22 |

| Secondary Standards | ID # | Cal Date(Calibrated by, Certificate No.) | Scheduled Calibration |
|-------------------------|------------|--|-----------------------|
| SignalGenerator MG3700A | 6201052605 | 23-Jun-20(CTTL, No.J20X04343) | Jun-21 |
| Network Analyzer E5071C | MY46110673 | 21-Jan-21(CTTL, No.J20X00515) | Jan-22 |

| | Name | Function | Signature |
|----------------|-------------|--------------------|-----------|
| Calibrated by: | Yu Zongying | SAR Test Engineer | |
| Reviewed by: | Lin Hao | SAR Test Engineer | |
| Approved by: | Qi Dianyuan | SAR Project Leader | |

Issued: June 09, 2021

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Glossary:

| | |
|-----------------------|--|
| TSL | tissue simulating liquid |
| NORM _{x,y,z} | sensitivity in free space |
| ConvF | sensitivity in TSL / NORM _{x,y,z} |
| DCP | diode compression point |
| CF | crest factor (1/duty_cycle) of the RF signal |
| A,B,C,D | modulation dependent linearization parameters |
| Polarization Φ | Φ rotation around probe axis |
| Polarization θ | θ rotation around an axis that is in the plane normal to probe axis (at measurement center), $\theta=0$ is normal to probe axis |
| Connector Angle | information used in DASY system to align probe sensor X to the robot coordinate system |

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- **NORM_{x,y,z}:** Assessed for E-field polarization $\theta=0$ ($f \leq 900\text{MHz}$ in TEM-cell; $f > 1800\text{MHz}$: waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not effect the E^2 -field uncertainty inside TSL (see below ConvF).
- **NORM(f)_{x,y,z} = NORM_{x,y,z} * frequency_response** (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- **DCP_{x,y,z}:** DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- **PAR:** PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- **A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; VR_{x,y,z}:** A,B,C are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- **ConvF and Boundary Effect Parameters:** Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800\text{MHz}$) and inside waveguide using analytical field distributions based on power measurements for $f > 800\text{MHz}$. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty valued are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z}* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from $\pm 50\text{MHz}$ to $\pm 100\text{MHz}$.
- **Spherical isotropy (3D deviation from isotropy):** in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- **Sensor Offset:** The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- **Connector Angle:** The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).



DASY/EASY – Parameters of Probe: EX3DV4 – SN:3975

Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|--|----------|----------|----------|--------------|
| Norm($\mu\text{V}/(\text{V}/\text{m})^2$) ^A | 0.41 | 0.45 | 0.51 | $\pm 10.0\%$ |
| DCP(mV) ^B | 105.1 | 102.2 | 102.1 | |

Modulation Calibration Parameters

| UID | Communication System Name | | A dB | B dB $\sqrt{\mu\text{V}}$ | C | D dB | VR mV | Unc ^E (k=2) |
|-----|---------------------------|---|---------|------------------------------|-----|---------|----------|---------------------------|
| 0 | CW | X | 0.0 | 0.0 | 1.0 | 0.00 | 163.0 | $\pm 2.6\%$ |
| | | Y | 0.0 | 0.0 | 1.0 | | 171.0 | |
| | | Z | 0.0 | 0.0 | 1.0 | | 183.8 | |

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.

^A The uncertainties of Norm X, Y, Z do not affect the E²-field uncertainty inside TSL (see Page 4).

^B Numerical linearization parameter: uncertainty not required.

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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DASY/EASY – Parameters of Probe: EX3DV4 – SN:3975

Calibration Parameter Determined in Head Tissue Simulating Media

| f [MHz] ^C | Relative Permittivity ^F | Conductivity (S/m) ^F | ConvF X | ConvF Y | ConvF Z | Alpha ^G | Depth ^G (mm) | Unct. (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-------------|
| 750 | 41.9 | 0.89 | 10.04 | 10.04 | 10.04 | 0.40 | 0.75 | ±12.1% |
| 835 | 41.5 | 0.90 | 9.54 | 9.54 | 9.54 | 0.17 | 1.18 | ±12.1% |
| 900 | 41.5 | 0.97 | 9.52 | 9.52 | 9.52 | 0.17 | 1.14 | ±12.1% |
| 1450 | 40.5 | 1.20 | 8.59 | 8.59 | 8.59 | 0.12 | 1.28 | ±12.1% |
| 1750 | 40.1 | 1.37 | 8.38 | 8.38 | 8.38 | 0.28 | 0.92 | ±12.1% |
| 1900 | 40.0 | 1.40 | 7.92 | 7.92 | 7.92 | 0.21 | 1.15 | ±12.1% |
| 2000 | 40.0 | 1.40 | 7.97 | 7.97 | 7.97 | 0.19 | 1.21 | ±12.1% |
| 2300 | 39.5 | 1.67 | 7.84 | 7.84 | 7.84 | 0.65 | 0.67 | ±12.1% |
| 2450 | 39.2 | 1.80 | 7.60 | 7.60 | 7.60 | 0.67 | 0.67 | ±12.1% |
| 2600 | 39.0 | 1.96 | 7.35 | 7.35 | 7.35 | 0.65 | 0.67 | ±12.1% |
| 3300 | 38.2 | 2.71 | 6.88 | 6.88 | 6.88 | 0.44 | 0.96 | ±13.3% |
| 3500 | 37.9 | 2.91 | 6.82 | 6.82 | 6.82 | 0.42 | 0.95 | ±13.3% |
| 3700 | 37.7 | 3.12 | 6.52 | 6.52 | 6.52 | 0.44 | 1.03 | ±13.3% |
| 3900 | 37.5 | 3.32 | 6.40 | 6.40 | 6.40 | 0.40 | 1.25 | ±13.3% |
| 4100 | 37.2 | 3.53 | 6.50 | 6.50 | 6.50 | 0.40 | 1.15 | ±13.3% |
| 4200 | 37.1 | 3.63 | 6.32 | 6.32 | 6.32 | 0.40 | 1.25 | ±13.3% |
| 4400 | 36.9 | 3.84 | 6.19 | 6.19 | 6.19 | 0.35 | 1.35 | ±13.3% |
| 4600 | 36.7 | 4.04 | 6.10 | 6.10 | 6.10 | 0.45 | 1.20 | ±13.3% |
| 4800 | 36.4 | 4.25 | 6.05 | 6.05 | 6.05 | 0.45 | 1.20 | ±13.3% |
| 4950 | 36.3 | 4.40 | 5.86 | 5.86 | 5.86 | 0.45 | 1.26 | ±13.3% |
| 5250 | 35.9 | 4.71 | 5.31 | 5.31 | 5.31 | 0.40 | 1.55 | ±13.3% |
| 5600 | 35.5 | 5.07 | 4.82 | 4.82 | 4.82 | 0.50 | 1.30 | ±13.3% |
| 5750 | 35.4 | 5.22 | 4.90 | 4.90 | 4.90 | 0.50 | 1.30 | ±13.3% |

^C Frequency validity above 300 MHz of ±100MHz only applies for DASY v4.4 and higher (Page 2), else it is restricted to ±50MHz. The uncertainty is the RSS of ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

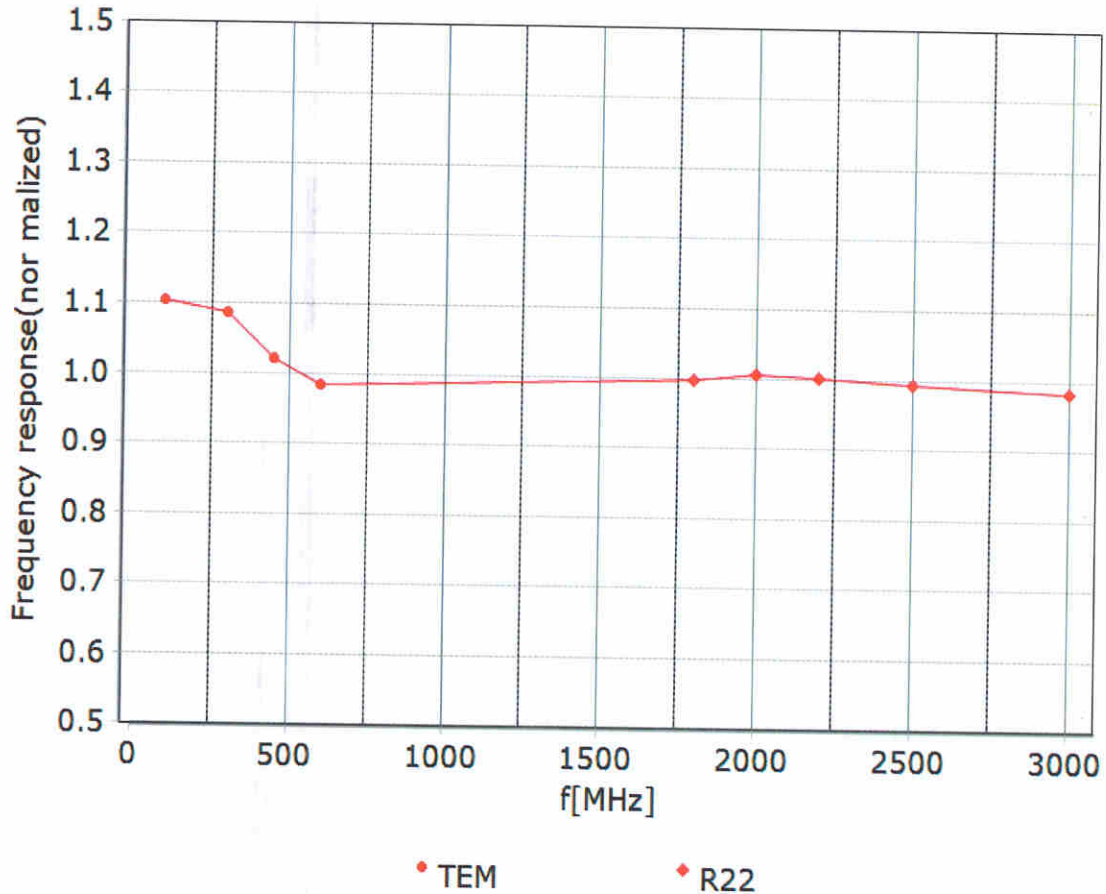
^F At frequency below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ±5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for the frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



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Frequency Response of E-Field (TEM-Cell: ifi110 EXX, Waveguide: R22)



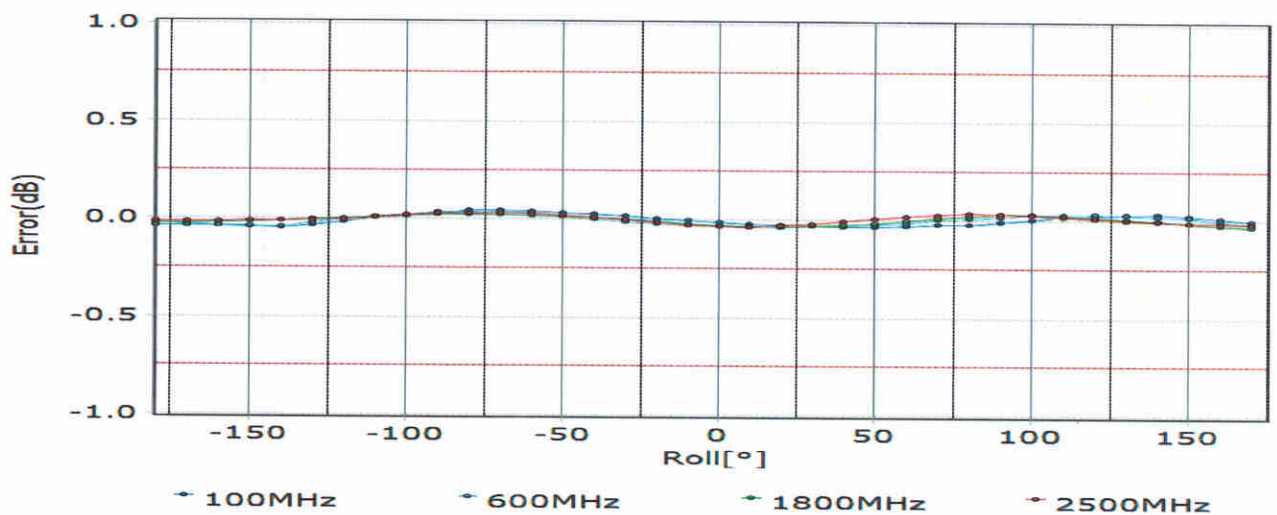
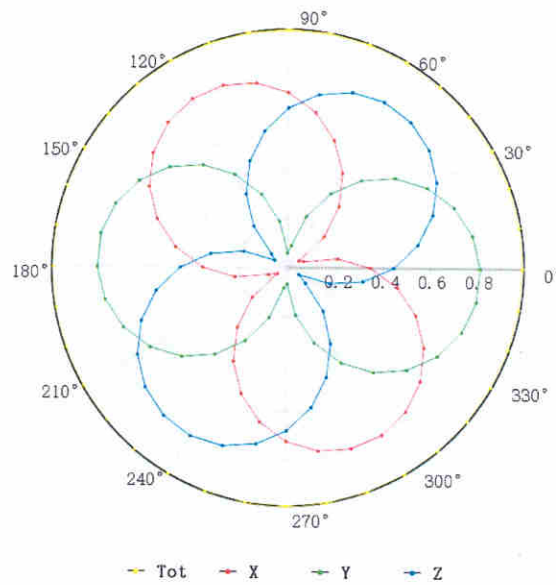
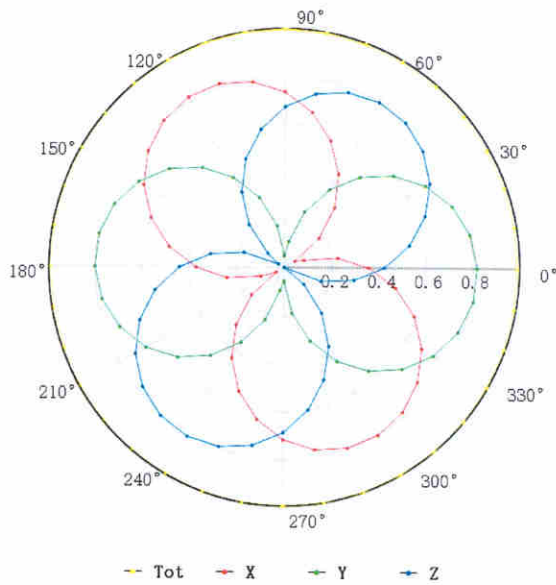
Uncertainty of Frequency Response of E-field: $\pm 7.4\%$ ($k=2$)



Receiving Pattern (Φ), $\theta=0^\circ$

f=600 MHz, TEM

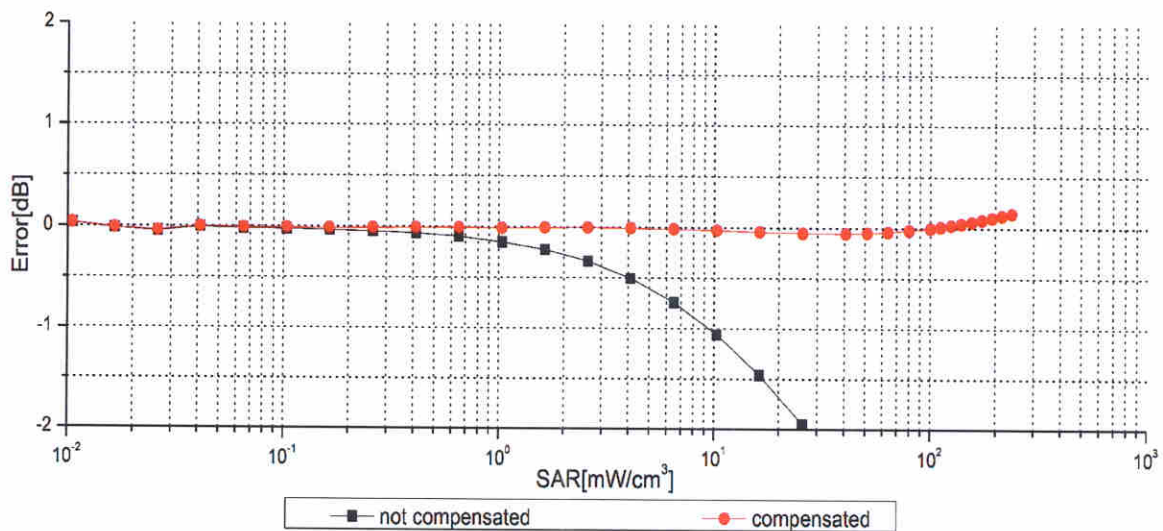
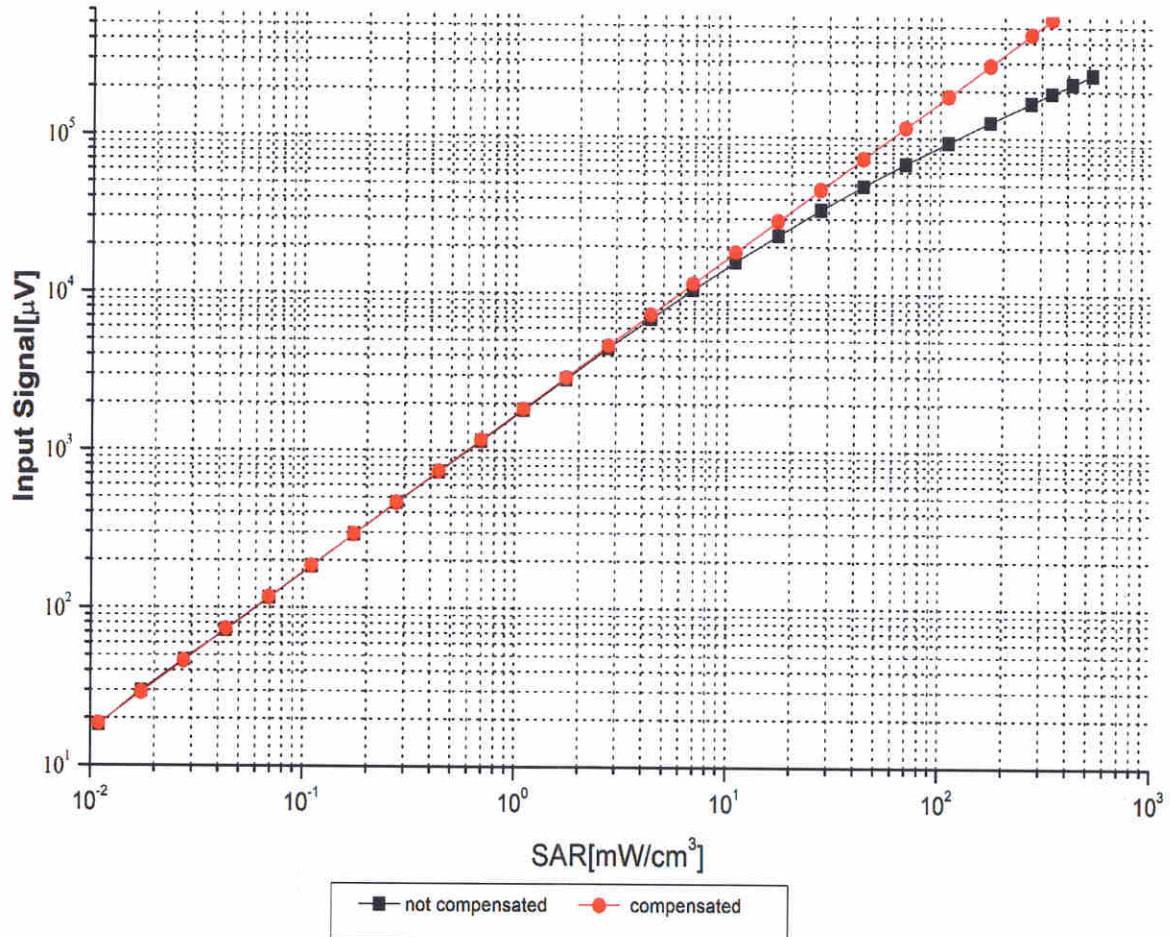
f=1800 MHz, R22



Uncertainty of Axial Isotropy Assessment: $\pm 1.2\%$ ($k=2$)



Dynamic Range f(SAR_{head}) (TEM cell, f = 900 MHz)



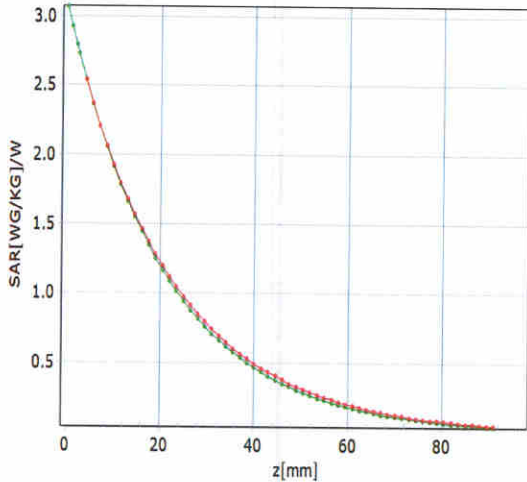
Uncertainty of Linearity Assessment: $\pm 0.9\%$ ($k=2$)



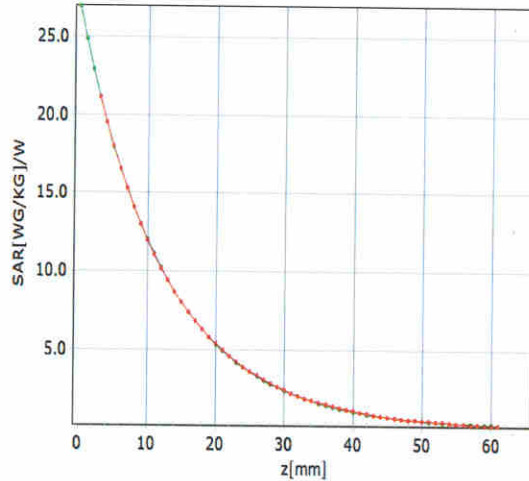
Conversion Factor Assessment

f=750 MHz,WGLS R9(H_convF)

f=1750 MHz,WGLS R22(H_convF)

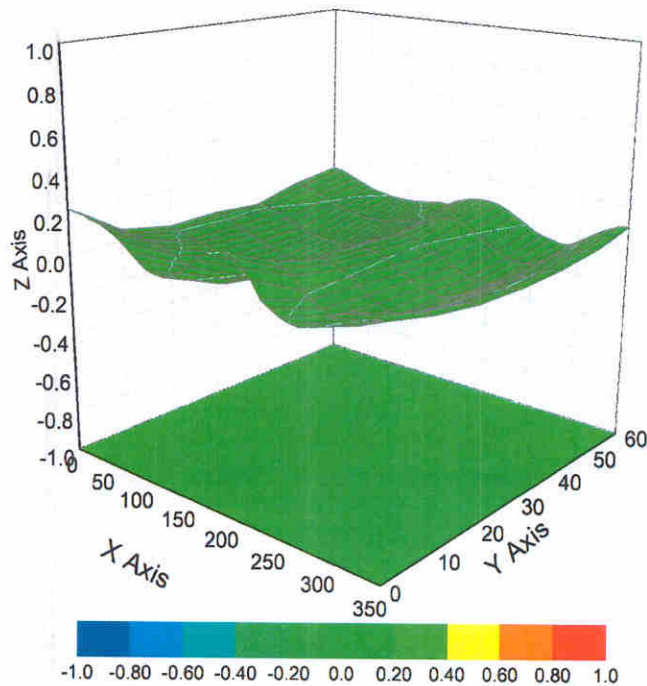


* analytical * measured



* analytical * measured

Deviation from Isotropy in Liquid



Uncertainty of Spherical Isotropy Assessment: $\pm 3.2\%$ ($k=2$)



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DASY/EASY – Parameters of Probe: EX3DV4 – SN:3975

Other Probe Parameters

| | |
|--|-------------------|
| Sensor Arrangement | Triangular |
| Connector Angle (°) | 86.5 |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disable |
| Probe Overall Length | 337mm |
| Probe Body Diameter | 10mm |
| Tip Length | 9mm |
| Tip Diameter | 2.5mm |
| Probe Tip to Sensor X Calibration Point | 1mm |
| Probe Tip to Sensor Y Calibration Point | 1mm |
| Probe Tip to Sensor Z Calibration Point | 1mm |
| Recommended Measurement Distance from Surface | 1.4mm |



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.



Full Power Mode

| GSM850 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| | 128 | 160 | 251 | | 160 | 160 | 251 | |
| TX Channel | 824.2 | 836.4 | 848.8 | 824.2 | 836.4 | 848.8 | 824.2 | 836.4 |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | 824.2 | 836.4 | 848.8 | 824.2 | 836.4 |
| GSM 1 Tx slot | 32.90 | 32.96 | 32.72 | 33.50 | 23.90 | 23.96 | 23.72 | 24.50 |
| GPRS 1 Tx slot | 32.91 | 33.00 | 32.87 | 33.50 | 23.91 | 24.00 | 23.87 | 24.50 |
| GPRS 2 Tx slots | 30.77 | 30.86 | 30.76 | 32.00 | 24.77 | 24.86 | 24.76 | 26.00 |
| GPRS 3 Tx slots | 28.53 | 28.55 | 28.60 | 30.00 | 24.27 | 24.29 | 24.34 | 25.74 |
| GPRS 4 Tx slots | 26.60 | 26.55 | 26.58 | 28.50 | 23.60 | 23.55 | 23.58 | 25.50 |
| EDGE 1 Tx slot | 26.85 | 26.82 | 26.87 | 28.50 | 17.85 | 17.82 | 17.87 | 19.50 |
| EDGE 2 Tx slots | 24.75 | 24.64 | 24.71 | 26.00 | 18.75 | 18.64 | 18.71 | 20.00 |
| EDGE 3 Tx slots | 22.33 | 22.48 | 22.42 | 23.50 | 18.07 | 18.22 | 18.16 | 19.24 |
| EDGE 4 Tx slots | 19.73 | 19.75 | 19.76 | 21.00 | 16.73 | 16.75 | 16.76 | 18.00 |

| GSM1900 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------|---------------------------|--------|--------|---------------------|---------------------------|--------|--------|---------------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| TX Channel | 1520.2 | 1532.4 | 1544.6 | 1520.2 | 1532.4 | 1544.6 | 1520.2 | 1532.4 |
| Frequency (MHz) | 1520.2 | 1532.4 | 1544.6 | 1520.2 | 1532.4 | 1544.6 | 1520.2 | 1532.4 |
| GSM 1 Tx slot | 29.50 | 29.55 | 29.57 | 30.50 | 20.50 | 20.55 | 20.57 | 21.50 |
| GPRS 1 Tx slot | 29.65 | 29.66 | 29.60 | 30.50 | 20.65 | 20.66 | 20.60 | 21.50 |
| GPRS 2 Tx slots | 27.40 | 27.44 | 27.42 | 28.50 | 21.40 | 21.44 | 21.42 | 22.50 |
| GPRS 3 Tx slots | 24.88 | 24.85 | 24.82 | 26.00 | 20.82 | 20.59 | 20.56 | 21.74 |
| GPRS 4 Tx slots | 23.32 | 23.50 | 23.30 | 24.50 | 20.32 | 20.50 | 20.30 | 21.50 |
| EDGE 1 Tx slot | 23.16 | 25.90 | 25.94 | 27.00 | 17.16 | 18.90 | 18.94 | 18.00 |
| EDGE 2 Tx slots | 24.16 | 23.90 | 23.83 | 24.50 | 18.16 | 17.90 | 17.83 | 18.50 |
| EDGE 3 Tx slots | 21.70 | 21.81 | 21.79 | 22.00 | 17.44 | 17.55 | 17.53 | 17.74 |
| EDGE 4 Tx slots | 19.84 | 19.77 | 19.67 | 21.00 | 16.84 | 16.77 | 16.67 | 18.00 |

| Band | WCDMA II | | | Tune-up Limit (dBm) | WCDMA N | | | WCDMA V | | | Tune-up Limit (dBm) | | |
|-----------------|--------------------|-------|--------|---------------------|---------|--------|-------|---------|-------|--------|---------------------|--------|-------|
| | 9262 | 9490 | 9538 | | 1312 | 1413 | 1513 | 4132 | 4182 | 4233 | | | |
| TX Channel | 9262 | 9490 | 9538 | 1312 | 1413 | 1513 | 4132 | 4182 | 4233 | 9262 | 9490 | 9538 | |
| Rx Channel | 9652 | 9800 | 9938 | 1537 | 1638 | 1738 | 4357 | 4407 | 4458 | 9652 | 9800 | 9938 | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | 1712.4 | 1732.6 | 1752.8 | 626.4 | 636.4 | 646.6 | 1852.4 | 1880 | 1907.6 | |
| 3GPP Rel 99 | AMR 12.2Kbps | 22.75 | 22.76 | 22.68 | 24.00 | 22.95 | 22.90 | 22.91 | 24.00 | 23.10 | 23.22 | 23.15 | 24.00 |
| 3GPP Rel 99 | AMR 12.2Kbps | 22.88 | 22.92 | 22.90 | 24.00 | 23.09 | 23.10 | 23.07 | 24.00 | 23.30 | 23.35 | 23.20 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 21.98 | 21.88 | 22.02 | 23.00 | 22.04 | 21.96 | 21.91 | 23.00 | 21.88 | 22.02 | 21.88 | 23.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 21.95 | 21.98 | 22.06 | 23.00 | 21.95 | 22.02 | 22.07 | 23.00 | 21.97 | 22.22 | 22.04 | 23.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 21.47 | 21.42 | 21.48 | 22.50 | 21.49 | 21.50 | 21.53 | 22.50 | 21.55 | 21.75 | 21.66 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 21.45 | 21.54 | 21.52 | 22.50 | 21.39 | 21.46 | 21.55 | 22.50 | 21.44 | 21.67 | 21.62 | 22.50 |
| 3GPP Rel 6 | DC-HSDPA Subtest-1 | 21.56 | 21.91 | 21.53 | 23.00 | 21.96 | 21.96 | 21.87 | 23.00 | 21.97 | 21.98 | 22.06 | 23.00 |
| 3GPP Rel 6 | DC-HSDPA Subtest-2 | 21.80 | 21.96 | 21.94 | 23.00 | 21.88 | 21.99 | 22.00 | 23.00 | 21.97 | 22.00 | 21.92 | 23.00 |
| 3GPP Rel 6 | DC-HSDPA Subtest-3 | 21.34 | 21.36 | 21.45 | 22.50 | 21.39 | 21.39 | 21.35 | 22.50 | 21.74 | 21.76 | 21.65 | 22.50 |
| 3GPP Rel 6 | DC-HSDPA Subtest-4 | 21.38 | 21.42 | 21.35 | 22.50 | 21.40 | 21.43 | 21.42 | 22.50 | 21.70 | 21.72 | 21.69 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 21.92 | 22.00 | 22.01 | 23.00 | 21.98 | 22.00 | 22.12 | 23.00 | 21.88 | 21.97 | 22.03 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 19.96 | 19.95 | 19.91 | 21.00 | 19.97 | 19.98 | 20.06 | 21.00 | 20.09 | 20.15 | 20.00 | 21.00 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 20.93 | 21.01 | 21.11 | 22.00 | 20.98 | 21.03 | 21.13 | 22.00 | 20.99 | 21.06 | 20.98 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 19.83 | 20.02 | 20.15 | 21.00 | 19.84 | 20.00 | 20.13 | 21.00 | 20.11 | 20.23 | 20.14 | 21.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 22.01 | 22.06 | 22.08 | 23.00 | 21.98 | 21.95 | 22.10 | 23.00 | 21.94 | 22.08 | 21.99 | 23.00 |



| Band 2 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.50 | 22.50 | 22.50 | | | |
| 20 | QPSK | 1 | 49 | 22.92 | 23.05 | 22.86 | 24 | 0 | |
| 20 | QPSK | 1 | 99 | 22.63 | 22.72 | 22.60 | | | |
| 20 | QPSK | 50 | 0 | 21.87 | 21.89 | 21.76 | | | |
| 20 | QPSK | 50 | 24 | 21.74 | 21.79 | 21.72 | 23 | 1 | |
| 20 | QPSK | 50 | 50 | 21.71 | 21.80 | 21.70 | | | |
| 20 | QPSK | 100 | 0 | 21.81 | 21.83 | 21.73 | | | |
| 20 | 16QAM | 1 | 0 | 21.47 | 21.66 | 21.51 | | | |
| 20 | 16QAM | 1 | 49 | 21.23 | 21.56 | 21.90 | 23 | 1 | |
| 20 | 16QAM | 1 | 99 | 21.58 | 21.54 | 21.65 | | | |
| 20 | 16QAM | 50 | 0 | 20.86 | 20.81 | 20.77 | | | |
| 20 | 16QAM | 50 | 24 | 20.80 | 20.82 | 20.64 | | | |
| 20 | 16QAM | 50 | 50 | 20.77 | 20.67 | 20.79 | 22 | 2 | |
| 20 | 16QAM | 100 | 0 | 20.80 | 20.76 | 20.68 | | | |
| 20 | 64QAM | 1 | 0 | 20.69 | 20.65 | 20.36 | | | |
| 20 | 64QAM | 1 | 49 | 21.00 | 20.96 | 20.95 | 22 | 2 | |
| 20 | 64QAM | 1 | 99 | 20.51 | 20.32 | 20.67 | | | |
| 20 | 64QAM | 50 | 0 | 19.85 | 19.75 | 19.73 | | | |
| 20 | 64QAM | 50 | 24 | 19.73 | 19.94 | 19.74 | | | |
| 20 | 64QAM | 50 | 50 | 19.77 | 19.88 | 19.80 | 21 | 3 | |
| 20 | 64QAM | 100 | 0 | 19.87 | 19.80 | 19.85 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 15 | QPSK | 1 | 0 | 22.57 | 22.60 | 22.30 | | | |
| 15 | QPSK | 1 | 37 | 22.87 | 23.01 | 22.80 | 24 | 0 | |
| 15 | QPSK | 1 | 74 | 22.73 | 22.39 | 22.56 | | | |
| 15 | QPSK | 36 | 0 | 21.79 | 21.75 | 21.87 | | | |
| 15 | QPSK | 36 | 20 | 21.61 | 21.72 | 21.63 | 23 | 1 | |
| 15 | QPSK | 36 | 39 | 21.72 | 21.68 | 21.61 | | | |
| 15 | QPSK | 75 | 0 | 21.72 | 21.81 | 21.64 | | | |
| 15 | 16QAM | 1 | 0 | 21.36 | 21.63 | 21.45 | | | |
| 15 | 16QAM | 1 | 37 | 21.14 | 21.57 | 21.82 | 23 | 1 | |
| 15 | 16QAM | 1 | 74 | 21.51 | 21.41 | 21.62 | | | |
| 15 | 16QAM | 36 | 0 | 20.79 | 20.78 | 20.72 | | | |
| 15 | 16QAM | 36 | 20 | 20.71 | 20.68 | 20.64 | 22 | 2 | |
| 15 | 16QAM | 36 | 39 | 20.76 | 20.80 | 20.76 | | | |
| 15 | 16QAM | 75 | 0 | 20.65 | 20.72 | 20.62 | | | |
| 15 | 64QAM | 1 | 0 | 21.47 | 21.50 | 21.24 | | | |
| 15 | 64QAM | 1 | 37 | 21.83 | 21.85 | 21.83 | 22 | 2 | |
| 15 | 64QAM | 1 | 74 | 21.29 | 21.12 | 21.54 | | | |
| 15 | 64QAM | 36 | 0 | 20.31 | 20.19 | 20.23 | | | |
| 15 | 64QAM | 36 | 20 | 20.13 | 20.38 | 20.16 | 21 | 3 | |
| 15 | 64QAM | 36 | 39 | 20.26 | 20.15 | 20.18 | | | |
| 15 | 64QAM | 75 | 0 | 20.16 | 20.16 | 20.20 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 10 | QPSK | 1 | 0 | 22.55 | 22.55 | 22.30 | | | |
| 10 | QPSK | 1 | 25 | 22.92 | 23.01 | 22.87 | 24 | 0 | |
| 10 | QPSK | 1 | 49 | 22.68 | 22.33 | 22.64 | | | |
| 10 | QPSK | 25 | 0 | 21.87 | 21.71 | 21.70 | | | |
| 10 | QPSK | 25 | 12 | 21.63 | 21.77 | 21.64 | 23 | 1 | |
| 10 | QPSK | 25 | 25 | 21.61 | 21.55 | 21.58 | | | |
| 10 | QPSK | 50 | 0 | 21.74 | 21.74 | 21.87 | | | |
| 10 | 16QAM | 1 | 0 | 21.47 | 21.52 | 21.39 | | | |
| 10 | 16QAM | 1 | 25 | 21.06 | 21.51 | 21.78 | 23 | 1 | |
| 10 | 16QAM | 1 | 49 | 21.46 | 21.51 | 21.65 | | | |
| 10 | 16QAM | 25 | 0 | 20.74 | 20.67 | 20.73 | | | |
| 10 | 16QAM | 25 | 12 | 20.76 | 20.80 | 20.49 | 22 | 2 | |
| 10 | 16QAM | 25 | 25 | 20.73 | 20.54 | 20.74 | | | |
| 10 | 16QAM | 50 | 0 | 20.70 | 20.72 | 20.25 | | | |
| 10 | 64QAM | 1 | 0 | 21.37 | 21.54 | 21.57 | 22 | 2 | |
| 10 | 64QAM | 1 | 25 | 21.07 | 21.77 | 21.83 | | | |
| 10 | 64QAM | 1 | 49 | 21.37 | 21.20 | 21.54 | | | |
| 10 | 64QAM | 25 | 0 | 20.23 | 20.19 | 20.10 | | | |
| 10 | 64QAM | 25 | 12 | 20.17 | 20.39 | 20.09 | | | |
| 10 | 64QAM | 25 | 25 | 20.16 | 20.08 | 20.26 | 21 | 3 | |
| 10 | 64QAM | 50 | 0 | 20.23 | 20.22 | 20.22 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 5 | QPSK | 1 | 0 | 22.57 | 22.47 | 22.34 | | | |
| 5 | QPSK | 1 | 12 | 22.77 | 22.92 | 22.76 | 24 | 0 | |
| 5 | QPSK | 1 | 24 | 22.51 | 22.31 | 22.54 | | | |
| 5 | QPSK | 12 | 0 | 21.84 | 21.81 | 21.65 | | | |
| 5 | QPSK | 12 | 7 | 21.68 | 21.76 | 21.61 | 23 | 1 | |
| 5 | QPSK | 12 | 13 | 21.61 | 21.68 | 21.69 | | | |
| 5 | QPSK | 25 | 0 | 21.78 | 21.78 | 21.64 | | | |
| 5 | 16QAM | 1 | 0 | 21.36 | 21.65 | 21.46 | | | |
| 5 | 16QAM | 1 | 12 | 21.17 | 21.45 | 21.80 | 23 | 1 | |
| 5 | 16QAM | 1 | 24 | 21.30 | 21.42 | 21.54 | | | |
| 5 | 16QAM | 12 | 0 | 20.86 | 20.74 | 20.68 | | | |
| 5 | 16QAM | 12 | 7 | 20.75 | 20.79 | 20.60 | 22 | 2 | |
| 5 | 16QAM | 12 | 13 | 20.65 | 20.59 | 20.60 | | | |
| 5 | 16QAM | 25 | 0 | 20.70 | 20.70 | 20.65 | | | |
| 5 | 64QAM | 1 | 0 | 21.44 | 21.46 | 21.13 | | | |
| 5 | 64QAM | 1 | 12 | 21.81 | 21.71 | 21.70 | 22 | 2 | |
| 5 | 64QAM | 1 | 24 | 21.36 | 21.09 | 21.53 | | | |
| 5 | 64QAM | 12 | 0 | 20.29 | 20.15 | 20.19 | | | |
| 5 | 64QAM | 12 | 7 | 20.23 | 20.34 | 20.16 | 21 | 3 | |
| 5 | 64QAM | 12 | 13 | 20.26 | 20.11 | 20.18 | | | |
| 5 | 64QAM | 25 | 0 | 20.31 | 20.30 | 20.20 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 3 | QPSK | 1 | 0 | 22.56 | 22.66 | 22.36 | | | |
| 3 | QPSK | 1 | 8 | 22.85 | 22.98 | 22.73 | 24 | 0 | |
| 3 | QPSK | 1 | 14 | 22.79 | 22.34 | 22.52 | | | |
| 3 | QPSK | 8 | 0 | 21.76 | 21.68 | 21.72 | | | |
| 3 | QPSK | 8 | 4 | 21.64 | 21.76 | 21.74 | 23 | 1 | |
| 3 | QPSK | 8 | 7 | 21.58 | 21.58 | 21.56 | | | |
| 3 | QPSK | 15 | 0 | 21.72 | 21.83 | 21.66 | | | |
| 3 | 16QAM | 1 | 0 | 21.39 | 21.53 | 21.46 | | | |
| 3 | 16QAM | 1 | 8 | 21.08 | 21.52 | 21.81 | 23 | 1 | |
| 3 | 16QAM | 1 | 14 | 21.51 | 21.46 | 21.56 | | | |
| 3 | 16QAM | 8 | 0 | 20.79 | 20.72 | 20.67 | | | |
| 3 | 16QAM | 8 | 4 | 20.65 | 20.81 | 20.50 | 22 | 2 | |
| 3 | 16QAM | 8 | 7 | 20.62 | 20.66 | 20.74 | | | |
| 3 | 16QAM | 15 | 0 | 20.71 | 20.67 | 20.66 | | | |
| 3 | 64QAM | 1 | 0 | 21.46 | 21.46 | 21.14 | | | |
| 3 | 64QAM | 1 | 8 | 21.80 | 21.79 | 21.80 | 22 | 2 | |
| 3 | 64QAM | 1 | 14 | 21.32 | 21.14 | 21.50 | | | |
| 3 | 64QAM | 8 | 0 | 20.22 | 20.10 | 20.15 | | | |
| 3 | 64QAM | 8 | 4 | 20.10 | 20.35 | 20.29 | 21 | 3 | |
| 3 | 64QAM | 8 | 7 | 20.14 | 20.12 | 20.23 | | | |
| 3 | 64QAM | 15 | 0 | 20.31 | 20.20 | 20.30 | | | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 1.4 | QPSK | 1 | 0 | 22.56 | 22.56 | 22.35 | | | |
| 1.4 | QPSK | 1 | 3 | 22.79 | 23.04 | 22.85 | 24 | 0 | |
| 1.4 | QPSK | 1 | 5 | 22.74 | 22.40 | 22.64 | | | |
| 1.4 | QPSK | 3 | 0 | 22.68 | 22.35 | 22.54 | | | |
| 1.4 | QPSK | 3 | 1 | 22.69 | 22.26 | 22.62 | | | |
| 1.4 | QPSK | 3 | 3 | 22.68 | 22.26 | 22.50 | | | |
| 1.4 | QPSK | 6 | 0 | 21.77 | 21.69 | 21.69 | 23 | 1 | |
| 1.4 | 16QAM | 1 | 0 | 21.36 | 21.54 | 21.46 | | | |
| 1.4 | 16QAM | 1 | 3 | 21.30 | 21.16 | 21.87 | | | |
| 1.4 | 16QAM | 1 | 5 | 21.50 | 21.39 | 21.55 | 23 | 1 | |
| 1.4 | 16QAM | 3 | 0 | 21.42 | 21.31 | 21.52 | | | |
| 1.4 | 16QAM | 3 | 1 | 21.41 | 21.38 | 21.43 | | | |
| 1.4 | 16QAM | 3 | 3 | 21.42 | 21.34 | 21.51 | | | |
| 1.4 | 16QAM | 6 | 0 | 20.67 | 20.65 | 20.64 | 22 | 2 | |
| 1.4 | 64QAM | 1 | 0 | 21.59 | 21.55 | 21.24 | | | |
| 1.4 | 64QAM | 1 | 3 | 21.85 | 21.74 | 21.73 | | | |
| 1.4 | 64QAM | 1 | 5 | 21.46 | 21.16 | 21.52 | | | |
| 1.4 | 64QAM | 3 | 0 | 20.35 | 20.18 | 20.17 | 22 | 2 | |
| 1.4 | 64QAM | 3 | 1 | 20.20 | 20.29 | 20.16 | | | |
| 1.4 | 64QAM | 3 | 3 | 20.26 | 20.13 | 20.21 | | | |
| 1.4 | 64QAM | 6 | 0 | 20.26 | 20.24 | 20.31 | 21 | 3 | |

| Band 4 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | | | | | | |
| Frequency (MHz) | | | | | | | | | |
| 20 | QPSK | 1 | 0 | 22.70 | 22.73 | 22.71 | | | |
| 20 | QPSK | 1 | 49 | 22.95 | 23.08 | 22.97 | 24 | 0 | |
| 20 | QPSK | 1 | 99 | 22.82 | 22.91 | 22.83 | | | |
| 20 | QPSK | 50 | 0 | 21.21 | 21.55 | 21.40 | | | |
| 20 | QPSK | 50 | 24 | 21.28 | 21.42 | 21.37 | 23 | 1 | |
| 20 | QPSK | 50 | 50 | 21.33 | 21.40 | 21.35 | | | |
| 20 | QPSK | | | | | | | | |



| Band 7 | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 22.56 | 22.46 | 22.49 | | |
| 20 | QPSK | 1 | 49 | 22.92 | 22.85 | 22.88 | 24 | 0 |
| 20 | QPSK | 1 | 99 | 22.86 | 22.72 | 22.80 | | |
| 20 | QPSK | 50 | 0 | 21.97 | 21.87 | 21.89 | | |
| 20 | QPSK | 50 | 24 | 21.89 | 21.79 | 21.82 | | |
| 20 | QPSK | 50 | 50 | 21.90 | 21.80 | 21.85 | 23 | 1 |
| 20 | QPSK | 100 | 0 | 21.90 | 21.81 | 21.87 | | |
| 20 | 16QAM | 1 | 0 | 21.37 | 21.45 | 21.44 | | |
| 20 | 16QAM | 1 | 49 | 21.62 | 21.71 | 21.85 | 23 | 1 |
| 20 | 16QAM | 1 | 99 | 21.81 | 21.36 | 21.32 | | |
| 20 | 16QAM | 50 | 0 | 20.69 | 20.97 | 20.85 | | |
| 20 | 16QAM | 50 | 24 | 20.59 | 20.95 | 20.89 | | |
| 20 | 16QAM | 50 | 50 | 20.73 | 20.87 | 20.97 | 22 | 2 |
| 20 | 16QAM | 100 | 0 | 20.66 | 20.89 | 20.86 | | |
| 20 | 64QAM | 1 | 0 | 20.72 | 20.96 | 20.66 | | |
| 20 | 64QAM | 1 | 49 | 20.67 | 21.27 | 21.00 | 22 | 2 |
| 20 | 64QAM | 1 | 99 | 20.75 | 21.27 | 21.07 | | |
| 20 | 64QAM | 50 | 0 | 19.75 | 19.92 | 20.02 | | |
| 20 | 64QAM | 50 | 24 | 19.65 | 19.96 | 19.95 | | |
| 20 | 64QAM | 50 | 50 | 19.72 | 20.09 | 20.04 | 21 | 3 |
| 20 | 64QAM | 100 | 0 | 19.74 | 19.96 | 19.96 | | |
| Channel | | | | 20825 | 21100 | 21375 | | |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 22.42 | 22.41 | 22.44 | | |
| 15 | QPSK | 1 | 37 | 22.81 | 22.86 | 22.84 | 24 | 0 |
| 15 | QPSK | 1 | 74 | 22.64 | 22.86 | 22.68 | | |
| 15 | QPSK | 36 | 0 | 21.60 | 21.86 | 21.89 | | |
| 15 | QPSK | 36 | 20 | 21.53 | 21.83 | 21.85 | | |
| 15 | QPSK | 36 | 39 | 21.74 | 21.83 | 21.77 | 23 | 1 |
| 15 | QPSK | 75 | 0 | 21.69 | 21.83 | 21.72 | | |
| 15 | 16QAM | 1 | 0 | 21.31 | 21.41 | 21.33 | | |
| 15 | 16QAM | 1 | 37 | 21.17 | 21.38 | 21.20 | 23 | 1 |
| 15 | 16QAM | 1 | 74 | 21.73 | 21.35 | 21.20 | | |
| 15 | 16QAM | 36 | 0 | 20.56 | 20.92 | 20.77 | | |
| 15 | 16QAM | 36 | 20 | 20.49 | 20.94 | 20.87 | | |
| 15 | 16QAM | 36 | 39 | 20.63 | 20.77 | 20.93 | 22 | 2 |
| 15 | 16QAM | 75 | 0 | 20.64 | 20.88 | 20.76 | | |
| 15 | 64QAM | 1 | 0 | 20.71 | 20.87 | 20.65 | | |
| 15 | 64QAM | 1 | 37 | 20.57 | 20.74 | 20.55 | 22 | 2 |
| 15 | 64QAM | 1 | 74 | 20.66 | 21.12 | 20.95 | | |
| 15 | 64QAM | 36 | 0 | 19.74 | 19.78 | 19.89 | | |
| 15 | 64QAM | 36 | 20 | 19.51 | 19.95 | 19.89 | | |
| 15 | 64QAM | 36 | 39 | 19.61 | 19.95 | 19.89 | 21 | 3 |
| 15 | 64QAM | 75 | 0 | 19.71 | 19.90 | 19.87 | | |
| Channel | | | | 20900 | 21100 | 21400 | | |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 22.52 | 22.41 | 22.42 | | |
| 10 | QPSK | 1 | 25 | 22.67 | 22.82 | 22.90 | 24 | 0 |
| 10 | QPSK | 1 | 49 | 22.56 | 22.85 | 22.64 | | |
| 10 | QPSK | 25 | 0 | 21.62 | 21.86 | 21.88 | | |
| 10 | QPSK | 25 | 12 | 21.56 | 21.86 | 21.78 | | |
| 10 | QPSK | 25 | 25 | 21.71 | 21.94 | 21.75 | 23 | 1 |
| 10 | QPSK | 50 | 0 | 21.61 | 21.87 | 21.80 | | |
| 10 | 16QAM | 1 | 0 | 21.36 | 21.33 | 21.30 | | |
| 10 | 16QAM | 1 | 25 | 21.62 | 21.68 | 21.70 | 23 | 1 |
| 10 | 16QAM | 1 | 49 | 21.79 | 21.34 | 21.20 | | |
| 10 | 16QAM | 25 | 0 | 20.60 | 20.86 | 20.81 | | |
| 10 | 16QAM | 25 | 12 | 20.50 | 20.94 | 20.79 | | |
| 10 | 16QAM | 25 | 25 | 20.61 | 20.79 | 20.94 | 22 | 2 |
| 10 | 16QAM | 50 | 0 | 20.53 | 20.74 | 20.77 | | |
| 10 | 64QAM | 1 | 0 | 20.66 | 20.88 | 20.54 | | |
| 10 | 64QAM | 1 | 25 | 20.58 | 21.15 | 20.91 | 22 | 2 |
| 10 | 64QAM | 1 | 49 | 20.70 | 21.19 | 20.94 | | |
| 10 | 64QAM | 25 | 0 | 19.72 | 19.87 | 19.94 | | |
| 10 | 64QAM | 25 | 12 | 19.59 | 19.92 | 19.83 | | |
| 10 | 64QAM | 25 | 25 | 19.60 | 19.97 | 20.02 | 21 | 3 |
| 10 | 64QAM | 50 | 0 | 19.59 | 19.86 | 19.95 | | |
| Channel | | | | 20775 | 21100 | 21425 | | |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 22.53 | 22.44 | 22.32 | | |
| 5 | QPSK | 1 | 12 | 22.76 | 22.84 | 22.90 | 24 | 0 |
| 5 | QPSK | 1 | 24 | 22.66 | 22.79 | 22.66 | | |
| 5 | QPSK | 12 | 0 | 21.58 | 21.86 | 21.82 | | |
| 5 | QPSK | 12 | 7 | 21.56 | 21.74 | 21.81 | | |
| 5 | QPSK | 12 | 13 | 21.72 | 21.91 | 21.81 | 23 | 1 |
| 5 | QPSK | 25 | 0 | 21.64 | 21.83 | 21.73 | | |
| 5 | 16QAM | 1 | 0 | 21.22 | 21.36 | 21.29 | | |
| 5 | 16QAM | 1 | 12 | 21.53 | 21.58 | 21.88 | 23 | 1 |
| 5 | 16QAM | 1 | 24 | 21.68 | 21.25 | 21.23 | | |
| 5 | 16QAM | 12 | 0 | 20.68 | 20.87 | 20.79 | | |
| 5 | 16QAM | 12 | 7 | 20.56 | 20.85 | 20.81 | | |
| 5 | 16QAM | 12 | 13 | 20.70 | 20.85 | 20.89 | 22 | 2 |
| 5 | 16QAM | 25 | 0 | 20.54 | 20.89 | 20.84 | | |
| 5 | 64QAM | 1 | 0 | 20.70 | 20.85 | 20.54 | | |
| 5 | 64QAM | 1 | 12 | 20.55 | 20.85 | 20.41 | 22 | 2 |
| 5 | 64QAM | 1 | 24 | 20.62 | 21.18 | 20.96 | | |
| 5 | 64QAM | 12 | 0 | 19.64 | 19.86 | 19.95 | | |
| 5 | 64QAM | 12 | 7 | 19.57 | 19.94 | 19.82 | | |
| 5 | 64QAM | 12 | 13 | 19.57 | 19.96 | 19.90 | 21 | 3 |
| 5 | 64QAM | 25 | 0 | 19.64 | 19.82 | 19.89 | | |

| Band 13 | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel | | | | 23250 | 23230 | 23230 | | |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 10 | QPSK | 1 | 0 | 22.58 | | | | |
| 10 | QPSK | 1 | 25 | 22.86 | | | 24 | 0 |
| 10 | QPSK | 1 | 49 | 22.75 | | | | |
| 10 | QPSK | 25 | 0 | 21.98 | | | | |
| 10 | QPSK | 25 | 12 | 21.97 | | | | |
| 10 | QPSK | 25 | 25 | 21.91 | | | 23 | 1 |
| 10 | QPSK | 50 | 0 | 21.87 | | | | |
| 10 | 16QAM | 1 | 0 | 21.62 | | | | |
| 10 | 16QAM | 1 | 25 | 21.66 | | | 23 | 1 |
| 10 | 16QAM | 1 | 49 | 21.58 | | | | |
| 10 | 16QAM | 25 | 0 | 20.89 | | | | |
| 10 | 16QAM | 25 | 12 | 20.77 | | | | |
| 10 | 16QAM | 25 | 25 | 20.96 | | | 22 | 2 |
| 10 | 16QAM | 50 | 0 | 20.97 | | | | |
| 10 | 64QAM | 1 | 0 | 21.54 | | | | |
| 10 | 64QAM | 1 | 25 | 21.93 | | | 22 | 2 |
| 10 | 64QAM | 1 | 49 | 21.47 | | | | |
| 10 | 64QAM | 25 | 0 | 20.58 | | | | |
| 10 | 64QAM | 25 | 12 | 20.67 | | | 21 | 3 |
| 10 | 64QAM | 25 | 25 | 20.31 | | | | |
| 10 | 64QAM | 50 | 0 | 20.51 | | | | |
| Channel | | | | 23205 | 23230 | 23255 | | |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 5 | QPSK | 1 | 0 | 22.49 | 22.48 | 22.45 | | |
| 5 | QPSK | 1 | 12 | 22.63 | 22.72 | 22.71 | 24 | 0 |
| 5 | QPSK | 1 | 24 | 22.61 | 22.60 | 22.72 | | |
| 5 | QPSK | 12 | 0 | 21.84 | 21.86 | 21.88 | | |
| 5 | QPSK | 12 | 7 | 21.90 | 21.83 | 21.96 | | |
| 5 | QPSK | 12 | 13 | 21.78 | 21.83 | 21.85 | 23 | 1 |
| 5 | QPSK | 25 | 0 | 21.77 | 21.76 | 21.74 | | |
| 5 | 16QAM | 1 | 0 | 21.60 | 21.55 | 21.52 | | |
| 5 | 16QAM | 1 | 12 | 21.60 | 21.54 | 21.55 | 23 | 1 |
| 5 | 16QAM | 1 | 24 | 21.43 | 21.44 | 21.52 | | |
| 5 | 16QAM | 12 | 0 | 20.76 | 20.80 | 20.87 | | |
| 5 | 16QAM | 12 | 7 | 20.68 | 20.68 | 20.66 | | |
| 5 | 16QAM | 12 | 13 | 20.88 | 20.87 | 20.95 | 22 | 2 |
| 5 | 16QAM | 25 | 0 | 20.84 | 20.82 | 20.86 | | |
| 5 | 64QAM | 1 | 0 | 21.54 | 21.50 | 21.50 | | |
| 5 | 64QAM | 1 | 12 | 21.83 | 21.93 | 21.80 | 22 | 2 |
| 5 | 64QAM | 1 | 24 | 21.33 | 21.39 | 21.47 | | |
| 5 | 64QAM | 12 | 0 | 20.50 | 20.49 | 20.48 | | |
| 5 | 64QAM | 12 | 7 | 20.65 | 20.63 | 20.64 | | |
| 5 | 64QAM | 12 | 13 | 20.28 | 20.24 | 20.31 | 21 | 3 |
| 5 | 64QAM | 25 | 0 | 20.50 | 20.50 | 20.46 | | |



| Band 26 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 26765 | 26865 | 26965 | | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | | |
| 15 | QPSK | 1 | 0 | 22.87 | 22.93 | 22.81 | | | |
| 15 | QPSK | 1 | 37 | 23.39 | 23.42 | 23.33 | | 24 | 0 |
| 15 | QPSK | 1 | 74 | 23.10 | 23.12 | 23.03 | | | |
| 15 | QPSK | 36 | 0 | 22.17 | 22.23 | 22.12 | | | |
| 15 | QPSK | 36 | 20 | 22.09 | 22.19 | 22.06 | | 23 | 1 |
| 15 | QPSK | 36 | 39 | 22.19 | 22.22 | 22.11 | | | |
| 15 | QPSK | 75 | 0 | 22.12 | 22.21 | 22.09 | | | |
| 15 | 16QAM | 1 | 0 | 21.79 | 22.00 | 21.98 | | | |
| 15 | 16QAM | 1 | 37 | 22.91 | 22.98 | 22.50 | | 23 | 1 |
| 15 | 16QAM | 1 | 74 | 22.01 | 21.89 | 21.85 | | | |
| 15 | 16QAM | 36 | 0 | 21.03 | 21.06 | 21.08 | | | |
| 15 | 16QAM | 36 | 20 | 21.15 | 21.07 | 20.98 | | | |
| 15 | 16QAM | 36 | 39 | 21.04 | 20.98 | 21.05 | | 22 | 2 |
| 15 | 16QAM | 75 | 0 | 21.18 | 21.12 | 21.18 | | | |
| 15 | 64QAM | 1 | 0 | 21.08 | 21.06 | 21.06 | | | |
| 15 | 64QAM | 1 | 37 | 21.72 | 21.59 | 21.60 | | 22 | 2 |
| 15 | 64QAM | 1 | 74 | 21.16 | 20.99 | 21.12 | | | |
| 15 | 64QAM | 36 | 0 | 20.10 | 20.20 | 20.21 | | | |
| 15 | 64QAM | 36 | 20 | 20.37 | 20.15 | 20.23 | | | |
| 15 | 64QAM | 36 | 39 | 20.07 | 20.26 | 20.15 | | 21 | 3 |
| 15 | 64QAM | 75 | 0 | 20.09 | 20.05 | 19.99 | | | |
| Channel | | | | 26740 | 26865 | 26990 | | | |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | | |
| 10 | QPSK | 1 | 0 | 22.69 | 23.04 | 22.72 | | | |
| 10 | QPSK | 1 | 25 | 22.98 | 23.05 | 23.17 | | 24 | 0 |
| 10 | QPSK | 1 | 49 | 23.15 | 22.81 | 23.24 | | | |
| 10 | QPSK | 25 | 0 | 22.04 | 22.14 | 22.07 | | | |
| 10 | QPSK | 25 | 12 | 22.05 | 22.08 | 22.10 | | 23 | 1 |
| 10 | QPSK | 25 | 25 | 22.17 | 22.19 | 22.06 | | | |
| 10 | QPSK | 50 | 0 | 22.03 | 22.06 | 22.15 | | | |
| 10 | 16QAM | 1 | 0 | 21.87 | 22.00 | 21.94 | | | |
| 10 | 16QAM | 1 | 25 | 21.91 | 21.90 | 22.23 | | 23 | 1 |
| 10 | 16QAM | 1 | 49 | 22.07 | 21.95 | 21.81 | | | |
| 10 | 16QAM | 25 | 0 | 21.15 | 21.05 | 21.26 | | | |
| 10 | 16QAM | 25 | 12 | 21.00 | 20.99 | 21.30 | | 22 | 2 |
| 10 | 16QAM | 25 | 25 | 21.04 | 21.21 | 21.06 | | | |
| 10 | 16QAM | 50 | 0 | 21.01 | 20.88 | 20.98 | | | |
| 10 | 64QAM | 1 | 0 | 20.98 | 21.09 | 21.06 | | | |
| 10 | 64QAM | 1 | 25 | 21.59 | 21.53 | 21.62 | | 22 | 2 |
| 10 | 64QAM | 1 | 49 | 21.07 | 21.11 | 20.99 | | | |
| 10 | 64QAM | 25 | 0 | 19.86 | 19.87 | 20.34 | | | |
| 10 | 64QAM | 25 | 12 | 19.98 | 20.20 | 20.28 | | 21 | 3 |
| 10 | 64QAM | 25 | 25 | 20.02 | 20.20 | 20.08 | | | |
| 10 | 64QAM | 50 | 0 | 20.00 | 19.98 | 20.08 | | | |
| Channel | | | | 26715 | 26865 | 27015 | | | |
| Frequency (MHz) | | | | 816.5 | 831.5 | 846.5 | | | |
| 5 | QPSK | 1 | 0 | 22.87 | 22.73 | 22.65 | | | |
| 5 | QPSK | 1 | 12 | 23.32 | 23.38 | 22.99 | | 24 | 0 |
| 5 | QPSK | 1 | 24 | 22.73 | 22.68 | 22.70 | | | |
| 5 | QPSK | 12 | 0 | 22.02 | 21.99 | 22.06 | | | |
| 5 | QPSK | 12 | 7 | 22.05 | 22.08 | 22.05 | | 23 | 1 |
| 5 | QPSK | 12 | 13 | 22.08 | 21.98 | 22.00 | | | |
| 5 | QPSK | 25 | 0 | 22.03 | 22.08 | 22.08 | | | |
| 5 | 16QAM | 1 | 0 | 21.85 | 22.16 | 22.25 | | | |
| 5 | 16QAM | 1 | 12 | 21.97 | 22.36 | 22.31 | | 23 | 1 |
| 5 | 16QAM | 1 | 24 | 21.84 | 21.82 | 21.81 | | | |
| 5 | 16QAM | 12 | 0 | 20.87 | 20.90 | 21.14 | | | |
| 5 | 16QAM | 12 | 7 | 20.92 | 20.92 | 21.15 | | 22 | 2 |
| 5 | 16QAM | 12 | 13 | 20.95 | 20.90 | 20.92 | | | |
| 5 | 16QAM | 25 | 0 | 21.11 | 21.09 | 20.88 | | | |
| 5 | 64QAM | 1 | 0 | 20.92 | 20.96 | 20.92 | | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 21.43 | 21.44 | 21.46 | | | |
| 5 | 64QAM | 1 | 24 | 20.93 | 21.00 | 21.01 | | | |
| 5 | 64QAM | 12 | 0 | 19.78 | 19.83 | 20.16 | | | |
| 5 | 64QAM | 12 | 7 | 19.74 | 19.94 | 20.18 | | 21 | 3 |
| 5 | 64QAM | 12 | 13 | 19.77 | 19.93 | 19.96 | | | |
| 5 | 64QAM | 25 | 0 | 19.79 | 19.90 | 20.18 | | | |
| Channel | | | | 26705 | 26865 | 27025 | | | |
| Frequency (MHz) | | | | 815.5 | 831.5 | 847.5 | | | |
| 3 | QPSK | 1 | 0 | 22.80 | 22.76 | 22.99 | | | |
| 3 | QPSK | 1 | 8 | 22.74 | 22.90 | 22.96 | | 24 | 0 |
| 3 | QPSK | 1 | 14 | 22.80 | 22.94 | 22.99 | | | |
| 3 | QPSK | 8 | 0 | 22.03 | 22.05 | 22.10 | | | |
| 3 | QPSK | 8 | 4 | 22.06 | 22.07 | 22.13 | | 23 | 1 |
| 3 | QPSK | 8 | 7 | 22.12 | 22.04 | 22.03 | | | |
| 3 | QPSK | 15 | 0 | 22.01 | 22.08 | 22.05 | | | |
| 3 | 16QAM | 1 | 0 | 22.17 | 22.13 | 22.02 | | | |
| 3 | 16QAM | 1 | 8 | 21.87 | 21.87 | 21.92 | | 23 | 1 |
| 3 | 16QAM | 1 | 14 | 22.02 | 21.68 | 21.76 | | | |
| 3 | 16QAM | 8 | 0 | 21.12 | 21.20 | 21.02 | | | |
| 3 | 16QAM | 8 | 4 | 21.13 | 21.21 | 21.05 | | 22 | 2 |
| 3 | 16QAM | 8 | 7 | 21.18 | 21.09 | 21.08 | | | |
| 3 | 16QAM | 15 | 0 | 20.72 | 20.73 | 21.07 | | | |
| 3 | 64QAM | 1 | 0 | 21.03 | 21.01 | 21.04 | | | |
| 3 | 64QAM | 1 | 8 | 21.35 | 21.40 | 20.91 | | 22 | 2 |
| 3 | 64QAM | 1 | 14 | 20.96 | 21.04 | 21.00 | | | |
| 3 | 64QAM | 8 | 0 | 20.00 | 20.02 | 19.91 | | | |
| 3 | 64QAM | 8 | 4 | 19.85 | 20.04 | 19.87 | | 21 | 3 |
| 3 | 64QAM | 8 | 7 | 19.97 | 20.00 | 19.90 | | | |
| 3 | 64QAM | 15 | 0 | 19.91 | 20.01 | 20.01 | | | |
| Channel | | | | 26697 | 26865 | 27033 | | | |
| Frequency (MHz) | | | | 814.7 | 831.5 | 848.3 | | | |
| 1.4 | QPSK | 1 | 0 | 22.94 | 22.85 | 22.96 | | | |
| 1.4 | QPSK | 1 | 3 | 23.06 | 23.04 | 22.96 | | 24 | 0 |
| 1.4 | QPSK | 1 | 5 | 22.96 | 23.00 | 22.97 | | | |
| 1.4 | QPSK | 3 | 0 | 22.93 | 23.14 | 23.06 | | | |
| 1.4 | QPSK | 3 | 1 | 22.97 | 23.26 | 23.11 | | | |
| 1.4 | QPSK | 3 | 3 | 23.05 | 23.34 | 23.02 | | 23 | 1 |
| 1.4 | QPSK | 6 | 0 | 21.99 | 22.09 | 22.01 | | | |
| 1.4 | 16QAM | 1 | 0 | 21.82 | 22.05 | 21.91 | | | |
| 1.4 | 16QAM | 1 | 3 | 21.98 | 21.84 | 22.11 | | 23 | 1 |
| 1.4 | 16QAM | 1 | 5 | 21.74 | 21.80 | 21.76 | | | |
| 1.4 | 16QAM | 3 | 0 | 22.11 | 22.10 | 22.10 | | | |
| 1.4 | 16QAM | 3 | 1 | 22.08 | 22.12 | 22.12 | | 23 | 1 |
| 1.4 | 16QAM | 3 | 3 | 22.15 | 22.12 | 22.17 | | | |
| 1.4 | 16QAM | 6 | 0 | 20.96 | 20.77 | 20.89 | | 22 | 2 |
| 1.4 | 64QAM | 1 | 0 | 21.04 | 21.22 | 21.09 | | | |
| 1.4 | 64QAM | 1 | 3 | 21.07 | 21.26 | 21.13 | | | |
| 1.4 | 64QAM | 1 | 5 | 21.01 | 21.19 | 20.93 | | | |
| 1.4 | 64QAM | 3 | 0 | 21.16 | 20.69 | 21.05 | | 22 | 2 |
| 1.4 | 64QAM | 3 | 1 | 21.11 | 21.15 | 20.98 | | | |
| 1.4 | 64QAM | 3 | 3 | 21.06 | 21.07 | 21.05 | | | |
| 1.4 | 64QAM | 6 | 0 | 19.90 | 19.77 | 19.97 | | 21 | 3 |

| Band 66 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 132072 | 132322 | 132572 | | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | | |
| 20 | QPSK | 1 | 0 | 23.31 | 23.42 | 23.33 | | | |
| 20 | QPSK | 1 | 49 | 23.41 | 23.58 | 23.52 | | 24 | 0 |
| 20 | QPSK | 1 | 99 | 23.22 | 23.50 | 23.51 | | | |
| 20 | QPSK | 50 | 0 | 21.95 | 22.32 | 22.19 | | | |
| 20 | QPSK | 50 | 24 | 22.00 | 22.22 | 22.18 | | 23 | 1 |
| 20 | QPSK | 50 | 50 | 21.94 | 22.15 | 22.06 | | | |
| 20 | QPSK | 100 | 0 | 21.95 | 22.18 | 22.16 | | | |
| 20 | 16QAM | 1 | 0 | 21.78 | 22.14 | 22.07 | | | |
| 20 | 16QAM | 1 | 49 | 21.77 | 22.06 | 21.93 | | 23 | 1 |
| 20 | 16QAM | 1 | 99 | 21.75 | 21.92 | 21.92 | | | |
| 20 | 16QAM | 50 | 0 | 20.93 | 21.39 | 21.13 | | | |
| 20 | 16QAM | 50 | 24 | 20.89 | 21.17 | 21.20 | | | |
| 20 | 16QAM | 50 | 50 | 21.01 | 21.24 | 21.13 | | 22 | 2 |
| 20 | 16QAM | 100 | 0 | 20.92 | 21.24 | 21.12 | | | |
| 20 | 64QAM | 1 | 0 | 21.40 | 21.42 | 21.21 | | | |
| 20 | 64QAM | 1 | 49 | 21.16 | 21.99 | 21.44 | | 22 | 2 |
| 20 | 64QAM | 1 | 99 | 20.92 | 21.48 | 21.00 | | | |
| 20 | 64QAM | 50 | 0 | 19.88 | 20.28 | 20.07 | | | |
| 20 | 64QAM | 50 | 24 | 19.88 | 20.14 | 20.08 | | 21 | 3 |
| 20 | 64QAM | 50 | 50 | 20.04 | 20.16 | 19.97 | | | |
| 20 | 64QAM | 100 | 0 | 20.10 | 20.20 | 20.18 | | | |
| Channel | | | | 132047 | | | | | |



Band 38

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 37880 | 38000 | 38150 | | |
| Frequency (MHz) | | | | 2580 | 2595 | 2610 | | |
| 20 | QPSK | 1 | 0 | 22.68 | 22.82 | 22.49 | 24 | 0 |
| 20 | QPSK | 1 | 49 | 22.92 | 22.99 | 22.76 | | |
| 20 | QPSK | 1 | 99 | 22.70 | 22.74 | 22.64 | | |
| 20 | QPSK | 50 | 0 | 22.49 | 22.51 | 22.35 | 23 | 1 |
| 20 | QPSK | 50 | 24 | 22.43 | 22.48 | 22.34 | | |
| 20 | QPSK | 50 | 50 | 22.40 | 22.46 | 22.28 | | |
| 20 | QPSK | 100 | 0 | 22.41 | 22.45 | 22.35 | 23 | 1 |
| 20 | 16QAM | 1 | 0 | 22.33 | 22.30 | 22.25 | | |
| 20 | 16QAM | 1 | 49 | 21.87 | 21.97 | 21.93 | | |
| 20 | 16QAM | 1 | 99 | 21.91 | 21.93 | 21.92 | 22 | 2 |
| 20 | 16QAM | 50 | 0 | 21.50 | 21.29 | 21.33 | | |
| 20 | 16QAM | 50 | 24 | 21.45 | 21.45 | 21.36 | | |
| 20 | 16QAM | 50 | 50 | 21.52 | 21.38 | 21.30 | 22 | 2 |
| 20 | 16QAM | 100 | 0 | 21.47 | 21.43 | 21.27 | | |
| 20 | 64QAM | 1 | 0 | 21.38 | 21.33 | 21.20 | | |
| 20 | 64QAM | 1 | 49 | 20.48 | 20.54 | 20.49 | 22 | 2 |
| 20 | 64QAM | 1 | 99 | 20.37 | 20.30 | 20.21 | | |
| 20 | 64QAM | 50 | 0 | 19.97 | 19.94 | 19.90 | | |
| 20 | 64QAM | 50 | 24 | 20.12 | 19.97 | 19.90 | 21 | 3 |
| 20 | 64QAM | 50 | 50 | 20.10 | 20.03 | 19.87 | | |
| 20 | 64QAM | 100 | 0 | 20.05 | 20.00 | 19.94 | | |
| Channel | | | | 37825 | 38000 | 38175 | Tune-up limit | MPR |
| Frequency (MHz) | | | | 2577.5 | 2595 | 2612.5 | (dBm) | (dB) |
| 15 | QPSK | 1 | 0 | 22.65 | 22.78 | 22.46 | 24 | 0 |
| 15 | QPSK | 1 | 37 | 22.92 | 22.96 | 22.74 | | |
| 15 | QPSK | 1 | 74 | 22.76 | 22.61 | 22.49 | | |
| 15 | QPSK | 36 | 0 | 22.47 | 22.31 | 22.21 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 22.40 | 22.38 | 22.30 | | |
| 15 | QPSK | 36 | 39 | 22.42 | 22.42 | 22.25 | | |
| 15 | QPSK | 75 | 0 | 22.31 | 22.26 | 22.23 | 23 | 1 |
| 15 | 16QAM | 1 | 0 | 22.30 | 22.20 | 22.21 | | |
| 15 | 16QAM | 1 | 37 | 21.82 | 21.91 | 21.81 | | |
| 15 | 16QAM | 1 | 74 | 21.77 | 21.83 | 21.88 | 22 | 2 |
| 15 | 16QAM | 36 | 0 | 21.39 | 21.16 | 21.25 | | |
| 15 | 16QAM | 36 | 20 | 21.43 | 21.36 | 21.28 | | |
| 15 | 16QAM | 36 | 39 | 21.38 | 21.38 | 21.22 | 22 | 2 |
| 15 | 16QAM | 75 | 0 | 21.39 | 21.28 | 21.26 | | |
| 15 | 64QAM | 1 | 0 | 21.25 | 21.32 | 21.08 | | |
| 15 | 64QAM | 1 | 37 | 20.34 | 20.45 | 20.40 | 22 | 2 |
| 15 | 64QAM | 1 | 74 | 20.27 | 20.20 | 20.07 | | |
| 15 | 64QAM | 36 | 0 | 19.92 | 19.88 | 19.86 | | |
| 15 | 64QAM | 36 | 20 | 20.08 | 19.95 | 19.88 | 21 | 3 |
| 15 | 64QAM | 36 | 39 | 20.14 | 20.00 | 19.84 | | |
| 15 | 64QAM | 75 | 0 | 20.06 | 20.01 | 19.75 | | |
| Channel | | | | 37800 | 38000 | 38200 | Tune-up limit | MPR |
| Frequency (MHz) | | | | 2575 | 2595 | 2615 | (dBm) | (dB) |
| 10 | QPSK | 1 | 0 | 22.66 | 22.80 | 22.47 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.66 | 22.91 | 22.75 | | |
| 10 | QPSK | 1 | 49 | 22.75 | 22.61 | 22.60 | | |
| 10 | QPSK | 25 | 0 | 22.44 | 22.34 | 22.30 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 22.39 | 22.43 | 22.28 | | |
| 10 | QPSK | 25 | 25 | 22.47 | 22.44 | 22.18 | | |
| 10 | QPSK | 50 | 0 | 22.44 | 22.26 | 22.35 | 23 | 1 |
| 10 | 16QAM | 1 | 0 | 22.21 | 22.19 | 22.17 | | |
| 10 | 16QAM | 1 | 25 | 21.78 | 21.85 | 21.81 | | |
| 10 | 16QAM | 1 | 49 | 21.80 | 21.85 | 21.89 | 22 | 2 |
| 10 | 16QAM | 25 | 0 | 21.50 | 21.19 | 21.19 | | |
| 10 | 16QAM | 25 | 12 | 21.36 | 21.30 | 21.28 | | |
| 10 | 16QAM | 25 | 25 | 21.51 | 21.25 | 21.30 | 22 | 2 |
| 10 | 16QAM | 50 | 0 | 21.40 | 21.31 | 21.23 | | |
| 10 | 64QAM | 1 | 0 | 21.24 | 21.18 | 21.17 | | |
| 10 | 64QAM | 1 | 25 | 20.33 | 20.43 | 20.34 | 22 | 2 |
| 10 | 64QAM | 1 | 49 | 20.32 | 20.24 | 20.08 | | |
| 10 | 64QAM | 25 | 0 | 19.93 | 19.79 | 19.84 | | |
| 10 | 64QAM | 25 | 12 | 19.97 | 19.93 | 19.77 | 21 | 3 |
| 10 | 64QAM | 25 | 25 | 20.24 | 19.95 | 19.77 | | |
| 10 | 64QAM | 50 | 0 | 20.11 | 19.79 | 19.84 | | |
| Channel | | | | 37775 | 38000 | 38225 | Tune-up limit | MPR |
| Frequency (MHz) | | | | 2572.5 | 2595 | 2617.5 | (dBm) | (dB) |
| 5 | QPSK | 1 | 0 | 22.57 | 22.67 | 22.37 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.93 | 22.91 | 22.75 | | |
| 5 | QPSK | 1 | 24 | 22.69 | 22.70 | 22.61 | | |
| 5 | QPSK | 12 | 0 | 22.34 | 22.30 | 22.26 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 22.39 | 22.35 | 22.34 | | |
| 5 | QPSK | 12 | 13 | 22.43 | 22.43 | 22.20 | | |
| 5 | QPSK | 25 | 0 | 22.42 | 22.38 | 22.20 | 23 | 1 |
| 5 | 16QAM | 1 | 0 | 22.23 | 22.28 | 22.10 | | |
| 5 | 16QAM | 1 | 12 | 21.82 | 21.90 | 21.87 | | |
| 5 | 16QAM | 1 | 24 | 21.88 | 21.81 | 21.88 | 22 | 2 |
| 5 | 16QAM | 12 | 0 | 21.43 | 21.23 | 21.23 | | |
| 5 | 16QAM | 12 | 7 | 21.35 | 21.43 | 21.22 | | |
| 5 | 16QAM | 12 | 13 | 21.44 | 21.34 | 21.23 | 22 | 2 |
| 5 | 16QAM | 25 | 0 | 21.32 | 21.41 | 21.19 | | |
| 5 | 64QAM | 1 | 0 | 21.31 | 21.24 | 21.13 | | |
| 5 | 64QAM | 1 | 12 | 20.40 | 20.45 | 20.34 | 22 | 2 |
| 5 | 64QAM | 1 | 24 | 20.35 | 20.26 | 20.20 | | |
| 5 | 64QAM | 12 | 0 | 19.82 | 19.94 | 19.85 | | |
| 5 | 64QAM | 12 | 7 | 20.09 | 19.91 | 19.84 | 21 | 3 |
| 5 | 64QAM | 12 | 13 | 19.84 | 19.88 | 19.72 | | |
| 5 | 64QAM | 25 | 0 | 20.20 | 20.12 | 19.75 | | |



Reduced Power Mode for Sensor on

| GSM850 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| | 128 | 189 | 251 | | 128 | 189 | 251 | |
| TX Channel | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 832.4 | 848.8 | | 824.2 | 832.4 | 848.8 | |
| GSM 1 Tx slot | 32.41 | 32.43 | 32.30 | 33.00 | 23.41 | 23.43 | 23.30 | 24.00 |
| GPRS 1 Tx slot | 32.44 | 32.45 | 32.35 | 33.00 | 23.44 | 23.45 | 23.35 | 24.00 |
| GPRS 2 Tx slots | 30.27 | 30.37 | 30.29 | 31.50 | 24.27 | 24.37 | 24.29 | 25.50 |
| GPRS 3 Tx slots | 27.99 | 28.11 | 28.09 | 29.50 | 23.73 | 23.85 | 23.83 | 25.24 |
| GPRS 4 Tx slots | 26.04 | 26.01 | 26.06 | 26.00 | 23.04 | 23.01 | 23.06 | 25.00 |
| EDGE 1 Tx slot | 26.36 | 26.15 | 26.34 | 26.00 | 17.36 | 17.15 | 17.34 | 19.00 |
| EDGE 2 Tx slots | 24.29 | 24.19 | 24.21 | 25.50 | 16.29 | 16.19 | 16.21 | 19.50 |
| EDGE 3 Tx slots | 21.78 | 21.95 | 21.95 | 23.00 | 17.52 | 17.69 | 17.69 | 18.74 |
| EDGE 4 Tx slots | 19.27 | 19.24 | 19.31 | 20.50 | 16.27 | 16.24 | 16.31 | 17.50 |

| GSM1900 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| TX Channel | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | |
| GSM 1 Tx slot | 27.60 | 27.65 | 27.48 | 28.50 | 18.60 | 18.65 | 18.48 | 19.50 |
| GPRS 1 Tx slot | 27.62 | 27.68 | 27.51 | 28.50 | 18.62 | 18.68 | 18.51 | 19.50 |
| GPRS 2 Tx slots | 25.41 | 25.45 | 25.38 | 26.50 | 19.41 | 19.45 | 19.38 | 20.50 |
| GPRS 3 Tx slots | 22.92 | 23.03 | 23.08 | 24.00 | 16.66 | 16.77 | 16.82 | 19.74 |
| GPRS 4 Tx slots | 21.33 | 21.25 | 21.05 | 22.50 | 16.33 | 16.25 | 16.05 | 19.50 |
| EDGE 1 Tx slot | 24.23 | 24.01 | 23.97 | 25.00 | 15.23 | 15.01 | 14.97 | 16.00 |
| EDGE 2 Tx slots | 22.22 | 21.98 | 21.86 | 22.50 | 16.22 | 15.98 | 15.86 | 16.50 |
| EDGE 3 Tx slots | 19.66 | 19.86 | 19.81 | 20.00 | 15.42 | 15.60 | 15.55 | 15.74 |
| EDGE 4 Tx slots | 17.87 | 17.85 | 17.68 | 19.00 | 14.87 | 14.85 | 14.68 | 16.00 |

| Band | TX Channel | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | WCDMA V | | | Tune-up Limit (dBm) | |
|-------------|---------------------|----------|-------|--------|---------------------|----------|--------|--------|---------|-------|-------|---------------------|-------|
| | | 5262 | 9620 | 9558 | | 1312 | 1413 | 1513 | 4192 | 4182 | 4233 | | |
| | Rx Channel | 9652 | 9900 | 9398 | | 1637 | 1638 | 1728 | 4287 | 4409 | 4458 | | |
| | Frequency (MHz) | 1852.4 | 1880 | 1907.6 | | 1712.4 | 1732.6 | 1752.6 | 426.4 | 436.4 | 446.6 | | |
| 3GPP Rel 99 | AMR 12.2Kbps | 18.78 | 18.76 | 18.65 | 20.00 | 17.94 | 17.96 | 17.92 | 19.00 | 23.10 | 23.22 | 23.15 | 24.00 |
| 3GPP Rel 99 | RMC 12.2Kbps | 18.86 | 18.93 | 18.91 | 20.00 | 18.09 | 18.11 | 18.08 | 19.00 | 23.30 | 23.35 | 23.20 | 24.00 |
| 3GPP Rel 6 | HSDPA Subclass-1 | 17.99 | 17.67 | 18.03 | 19.00 | 17.06 | 16.99 | 16.86 | 18.00 | 21.88 | 22.02 | 21.88 | 23.00 |
| 3GPP Rel 6 | HSDPA Subclass-2 | 17.98 | 18.01 | 18.06 | 19.00 | 16.92 | 17.06 | 17.11 | 18.00 | 21.97 | 22.22 | 22.94 | 23.00 |
| 3GPP Rel 6 | HSDPA Subclass-3 | 17.48 | 17.48 | 17.47 | 18.50 | 16.47 | 16.53 | 16.48 | 17.50 | 21.55 | 21.75 | 21.66 | 22.50 |
| 3GPP Rel 6 | HSDPA Subclass-4 | 17.41 | 17.56 | 17.48 | 18.50 | 16.35 | 16.40 | 16.55 | 17.50 | 21.44 | 21.67 | 21.62 | 22.50 |
| 3GPP Rel 6 | DC-HSDPA Subclass-1 | 17.90 | 17.87 | 17.98 | 19.00 | 17.00 | 16.93 | 16.87 | 18.00 | 21.97 | 21.98 | 22.06 | 23.00 |
| 3GPP Rel 6 | DC-HSDPA Subclass-2 | 17.83 | 17.96 | 17.95 | 19.00 | 16.88 | 17.05 | 17.05 | 18.00 | 21.97 | 22.00 | 21.92 | 23.00 |
| 3GPP Rel 6 | DC-HSDPA Subclass-3 | 17.33 | 17.37 | 17.49 | 18.50 | 16.37 | 16.37 | 16.38 | 17.50 | 21.74 | 21.76 | 21.65 | 22.50 |
| 3GPP Rel 6 | DC-HSDPA Subclass-4 | 17.41 | 17.46 | 17.38 | 18.50 | 16.41 | 16.39 | 16.42 | 17.50 | 21.70 | 21.72 | 21.69 | 22.50 |
| 3GPP Rel 6 | HSUPA Subclass-1 | 17.89 | 18.01 | 18.03 | 19.00 | 16.99 | 17.03 | 17.15 | 18.00 | 21.88 | 21.57 | 22.03 | 23.00 |
| 3GPP Rel 6 | HSUPA Subclass-2 | 15.96 | 15.95 | 15.86 | 17.00 | 15.03 | 15.01 | 15.11 | 16.00 | 20.09 | 20.15 | 20.00 | 21.00 |
| 3GPP Rel 6 | HSUPA Subclass-3 | 16.97 | 16.97 | 17.05 | 18.00 | 16.04 | 16.01 | 16.15 | 17.00 | 20.99 | 21.06 | 20.96 | 22.00 |
| 3GPP Rel 6 | HSUPA Subclass-4 | 15.85 | 15.99 | 16.17 | 17.00 | 14.86 | 14.86 | 15.11 | 16.00 | 20.11 | 20.23 | 20.14 | 21.00 |
| 3GPP Rel 6 | HSUPA Subclass-5 | 16.04 | 16.08 | 16.10 | 19.00 | 17.01 | 16.91 | 17.14 | 18.00 | 21.94 | 22.08 | 21.99 | 23.00 |



| Band 2 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 1870 | 1890 | 1910 | | | |
| Frequency (MHz) | | | | 1870 | 1890 | 1910 | | | |
| 20 | QPSK | 1 | 0 | 19.26 | 19.50 | 19.50 | | | |
| 20 | QPSK | 1 | 49 | 19.45 | 19.58 | 19.40 | 20.5 | 0 | |
| 20 | QPSK | 1 | 99 | 19.40 | 19.43 | 19.31 | | | |
| 20 | QPSK | 50 | 0 | 19.48 | 19.55 | 19.42 | | | |
| 20 | QPSK | 50 | 24 | 19.44 | 19.52 | 19.36 | 20.5 | 0 | |
| 20 | QPSK | 50 | 50 | 19.39 | 19.54 | 19.38 | | | |
| 20 | QPSK | 100 | 0 | 19.41 | 19.54 | 19.39 | | | |
| 20 | 16QAM | 1 | 0 | 19.39 | 19.53 | 19.35 | | | |
| 20 | 16QAM | 1 | 49 | 19.43 | 19.36 | 19.05 | 20.5 | 0 | |
| 20 | 16QAM | 1 | 99 | 19.08 | 19.52 | 18.83 | | | |
| 20 | 16QAM | 50 | 0 | 19.43 | 19.56 | 19.34 | | | |
| 20 | 16QAM | 50 | 24 | 19.40 | 19.54 | 19.36 | 20.5 | 0 | |
| 20 | 16QAM | 50 | 50 | 19.43 | 19.55 | 19.37 | | | |
| 20 | 16QAM | 100 | 0 | 19.42 | 19.52 | 19.37 | | | |
| 20 | 64QAM | 1 | 0 | 19.39 | 19.56 | 19.34 | | | |
| 20 | 64QAM | 1 | 49 | 19.43 | 19.54 | 19.37 | 20.5 | 0 | |
| 20 | 64QAM | 1 | 99 | 19.40 | 19.53 | 19.38 | | | |
| 20 | 64QAM | 50 | 0 | 19.44 | 19.53 | 19.36 | | | |
| 20 | 64QAM | 50 | 24 | 19.42 | 19.57 | 19.36 | 20.5 | 0 | |
| 20 | 64QAM | 50 | 50 | 19.43 | 19.53 | 19.37 | | | |
| 20 | 64QAM | 100 | 0 | 19.43 | 19.57 | 19.39 | | | |
| Channel | | | | 1887.5 | 1890 | 1912.5 | | | |
| Frequency (MHz) | | | | 1887.5 | 1890 | 1912.5 | | | |
| 15 | QPSK | 1 | 0 | 19.16 | 19.41 | 19.47 | | | |
| 15 | QPSK | 1 | 37 | 19.38 | 19.56 | 19.35 | 20.5 | 0 | |
| 15 | QPSK | 1 | 74 | 19.34 | 19.34 | 19.26 | | | |
| 15 | QPSK | 36 | 0 | 19.41 | 19.46 | 19.33 | | | |
| 15 | QPSK | 36 | 20 | 19.35 | 19.42 | 19.33 | 20.5 | 0 | |
| 15 | QPSK | 36 | 39 | 19.29 | 19.47 | 19.34 | | | |
| 15 | QPSK | 75 | 0 | 19.37 | 19.47 | 19.32 | | | |
| 15 | 16QAM | 1 | 0 | 19.35 | 19.50 | 19.27 | | | |
| 15 | 16QAM | 1 | 37 | 19.37 | 19.29 | 19.01 | 20.5 | 0 | |
| 15 | 16QAM | 1 | 74 | 19.02 | 19.42 | 18.74 | | | |
| 15 | 16QAM | 36 | 0 | 19.40 | 19.50 | 19.26 | | | |
| 15 | 16QAM | 36 | 20 | 19.35 | 19.46 | 19.30 | 20.5 | 0 | |
| 15 | 16QAM | 36 | 39 | 19.39 | 19.50 | 19.32 | | | |
| 15 | 16QAM | 75 | 0 | 19.32 | 19.43 | 19.32 | | | |
| 15 | 64QAM | 1 | 0 | 19.32 | 19.48 | 19.28 | | | |
| 15 | 64QAM | 1 | 37 | 19.40 | 19.50 | 19.30 | 20.5 | 0 | |
| 15 | 64QAM | 1 | 74 | 19.31 | 19.50 | 19.32 | | | |
| 15 | 64QAM | 36 | 0 | 19.40 | 19.43 | 19.31 | | | |
| 15 | 64QAM | 36 | 20 | 19.36 | 19.52 | 19.27 | 20.5 | 0 | |
| 15 | 64QAM | 36 | 39 | 19.40 | 19.46 | 19.29 | | | |
| 15 | 64QAM | 75 | 0 | 19.33 | 19.50 | 19.36 | | | |
| Channel | | | | 1895 | 1890 | 1915 | | | |
| Frequency (MHz) | | | | 1895 | 1890 | 1915 | | | |
| 10 | QPSK | 1 | 0 | 19.21 | 19.41 | 19.46 | | | |
| 10 | QPSK | 1 | 25 | 19.39 | 19.53 | 19.37 | 20.5 | 0 | |
| 10 | QPSK | 1 | 49 | 19.34 | 19.33 | 19.25 | | | |
| 10 | QPSK | 25 | 0 | 19.42 | 19.47 | 19.39 | | | |
| 10 | QPSK | 25 | 12 | 19.35 | 19.48 | 19.33 | 20.5 | 0 | |
| 10 | QPSK | 25 | 25 | 19.32 | 19.51 | 19.34 | | | |
| 10 | QPSK | 50 | 0 | 19.31 | 19.46 | 19.33 | | | |
| 10 | 16QAM | 1 | 0 | 19.31 | 19.46 | 19.27 | | | |
| 10 | 16QAM | 1 | 25 | 19.37 | 19.30 | 18.95 | 20.5 | 0 | |
| 10 | 16QAM | 1 | 49 | 19.05 | 19.49 | 18.76 | | | |
| 10 | 16QAM | 25 | 0 | 19.35 | 19.46 | 19.24 | | | |
| 10 | 16QAM | 25 | 12 | 19.36 | 19.44 | 19.28 | 20.5 | 0 | |
| 10 | 16QAM | 25 | 25 | 19.38 | 19.49 | 19.33 | | | |
| 10 | 16QAM | 50 | 0 | 19.33 | 19.44 | 19.30 | | | |
| 10 | 64QAM | 1 | 0 | 19.33 | 19.53 | 19.30 | 20.5 | 0 | |
| 10 | 64QAM | 1 | 25 | 19.38 | 19.46 | 19.30 | | | |
| 10 | 64QAM | 1 | 49 | 19.30 | 19.46 | 19.35 | | | |
| 10 | 64QAM | 25 | 0 | 19.38 | 19.48 | 19.29 | | | |
| 10 | 64QAM | 25 | 12 | 19.37 | 19.47 | 19.27 | 20.5 | 0 | |
| 10 | 64QAM | 25 | 25 | 19.38 | 19.43 | 19.29 | | | |
| 10 | 64QAM | 50 | 0 | 19.36 | 19.51 | 19.31 | | | |
| Channel | | | | 1882.5 | 1890 | 1917.5 | | | |
| Frequency (MHz) | | | | 1882.5 | 1890 | 1917.5 | | | |
| 5 | QPSK | 1 | 0 | 19.20 | 19.41 | 19.47 | | | |
| 5 | QPSK | 1 | 12 | 19.38 | 19.52 | 19.35 | 20.5 | 0 | |
| 5 | QPSK | 1 | 24 | 19.33 | 19.39 | 19.21 | | | |
| 5 | QPSK | 12 | 0 | 19.39 | 19.46 | 19.37 | | | |
| 5 | QPSK | 12 | 7 | 19.41 | 19.42 | 19.31 | 20.5 | 0 | |
| 5 | QPSK | 12 | 13 | 19.34 | 19.46 | 19.31 | | | |
| 5 | QPSK | 25 | 0 | 19.33 | 19.50 | 19.31 | | | |
| 5 | 16QAM | 1 | 0 | 19.33 | 19.45 | 19.26 | | | |
| 5 | 16QAM | 1 | 12 | 19.33 | 19.34 | 18.95 | 20.5 | 0 | |
| 5 | 16QAM | 1 | 24 | 19.02 | 19.47 | 18.73 | | | |
| 5 | 16QAM | 12 | 0 | 19.35 | 19.51 | 19.30 | | | |
| 5 | 16QAM | 12 | 7 | 19.35 | 19.50 | 19.28 | 20.5 | 0 | |
| 5 | 16QAM | 12 | 13 | 19.38 | 19.51 | 19.29 | | | |
| 5 | 16QAM | 25 | 0 | 19.34 | 19.44 | 19.30 | | | |
| 5 | 64QAM | 1 | 0 | 19.33 | 19.47 | 19.24 | | | |
| 5 | 64QAM | 1 | 12 | 19.35 | 19.49 | 19.27 | 20.5 | 0 | |
| 5 | 64QAM | 1 | 24 | 19.35 | 19.48 | 19.33 | | | |
| 5 | 64QAM | 12 | 0 | 19.35 | 19.49 | 19.33 | | | |
| 5 | 64QAM | 12 | 7 | 19.38 | 19.49 | 19.26 | 20.5 | 0 | |
| 5 | 64QAM | 12 | 13 | 19.37 | 19.46 | 19.29 | | | |
| 5 | 64QAM | 25 | 0 | 19.34 | 19.48 | 19.35 | | | |
| Channel | | | | 1881.5 | 1890 | 1918.5 | | | |
| Frequency (MHz) | | | | 1881.5 | 1890 | 1918.5 | | | |
| 3 | QPSK | 1 | 0 | 19.19 | 19.40 | 19.42 | | | |
| 3 | QPSK | 1 | 8 | 19.40 | 19.52 | 19.35 | 20.5 | 0 | |
| 3 | QPSK | 1 | 14 | 19.33 | 19.40 | 19.24 | | | |
| 3 | QPSK | 8 | 0 | 19.44 | 19.49 | 19.35 | | | |
| 3 | QPSK | 8 | 4 | 19.37 | 19.47 | 19.32 | 20.5 | 0 | |
| 3 | QPSK | 8 | 7 | 19.36 | 19.51 | 19.30 | | | |
| 3 | QPSK | 15 | 0 | 19.36 | 19.48 | 19.35 | | | |
| 3 | 16QAM | 1 | 0 | 19.29 | 19.50 | 19.27 | | | |
| 3 | 16QAM | 1 | 8 | 19.39 | 19.34 | 19.02 | 20.5 | 0 | |
| 3 | 16QAM | 1 | 14 | 18.99 | 19.43 | 18.75 | | | |
| 3 | 16QAM | 8 | 0 | 19.35 | 19.48 | 19.28 | | | |
| 3 | 16QAM | 8 | 4 | 19.34 | 19.50 | 19.26 | 20.5 | 0 | |
| 3 | 16QAM | 8 | 7 | 19.33 | 19.52 | 19.27 | | | |
| 3 | 16QAM | 15 | 0 | 19.39 | 19.48 | 19.33 | | | |
| 3 | 64QAM | 1 | 0 | 19.29 | 19.50 | 19.27 | | | |
| 3 | 64QAM | 1 | 8 | 19.34 | 19.49 | 19.29 | 20.5 | 0 | |
| 3 | 64QAM | 1 | 14 | 19.35 | 19.46 | 19.35 | | | |
| 3 | 64QAM | 8 | 0 | 19.40 | 19.46 | 19.29 | | | |
| 3 | 64QAM | 8 | 4 | 19.33 | 19.47 | 19.33 | 20.5 | 0 | |
| 3 | 64QAM | 8 | 7 | 19.35 | 19.45 | 19.28 | | | |
| 3 | 64QAM | 15 | 0 | 19.40 | 19.53 | 19.36 | | | |
| Channel | | | | 1897 | 1890 | 1913 | | | |
| Frequency (MHz) | | | | 1897 | 1890 | 1913 | | | |
| 1.4 | QPSK | 1 | 0 | 19.21 | 19.46 | 19.47 | | | |
| 1.4 | QPSK | 1 | 3 | 19.38 | 19.55 | 19.35 | 20.5 | 0 | |
| 1.4 | QPSK | 1 | 5 | 19.30 | 19.34 | 19.24 | | | |
| 1.4 | QPSK | 3 | 0 | 19.39 | 19.51 | 19.35 | | | |
| 1.4 | QPSK | 3 | 1 | 19.36 | 19.44 | 19.30 | | | |
| 1.4 | QPSK | 3 | 3 | 19.35 | 19.49 | 19.30 | 20.5 | 0 | |
| 1.4 | QPSK | 6 | 0 | 19.37 | 19.51 | 19.35 | | | |
| 1.4 | 16QAM | 1 | 0 | 19.35 | 19.48 | 19.32 | | | |
| 1.4 | 16QAM | 1 | 3 | 19.40 | 19.28 | 18.96 | 20.5 | 0 | |
| 1.4 | 16QAM | 1 | 5 | 19.05 | 19.46 | 18.80 | | | |
| 1.4 | 16QAM | 3 | 0 | 19.33 | 19.52 | 19.26 | | | |
| 1.4 | 16QAM | 3 | 1 | 19.34 | 19.47 | 19.26 | 20.5 | 0 | |
| 1.4 | 16QAM | 3 | 3 | 19.35 | 19.50 | 19.30 | | | |
| 1.4 | 16QAM | 6 | 0 | 19.33 | 19.44 | 19.28 | | | |
| 1.4 | 64QAM | 1 | 0 | 19.31 | 19.46 | 19.26 | | | |
| 1.4 | 64QAM | 1 | 3 | 19.38 | 19.46 | 19.29 | 20.5 | 0 | |
| 1.4 | 64QAM | 1 | 5 | 19.35 | 19.47 | 19.29 | | | |
| 1.4 | 64QAM | 3 | 0 | 19.41 | 19.49 | 19.28 | | | |
| 1.4 | 64QAM | 3 | 1 | 19.38 | 19.53 | 19.32 | 20.5 | 0 | |
| 1.4 | 64QAM | 3 | 3 | 19.34 | 19.49 | 19.30 | | | |
| 1.4 | 64QAM | 6 | 0 | 19.38 | 19.52 | 19.32 | | | |

| Band 4 | | | | | | | | | |
|----------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | | | |



| Band 7 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2310 | 2325 | 2350 | | | |
| Frequency (MHz) | | | | 20850 | 21100 | 21350 | | | |
| 20 | QPSK | 1 | 0 | 16.93 | 17.07 | 17.02 | | | |
| 20 | QPSK | 1 | 49 | 17.45 | 17.37 | 17.40 | 18.5 | 0 | |
| 20 | QPSK | 1 | 99 | 17.27 | 17.40 | 17.13 | | | |
| 20 | QPSK | 50 | 0 | 17.41 | 17.34 | 17.35 | | | |
| 20 | QPSK | 50 | 24 | 17.33 | 17.31 | 17.33 | 18.5 | 0 | |
| 20 | QPSK | 50 | 50 | 17.36 | 17.30 | 17.30 | | | |
| 20 | QPSK | 100 | 0 | 17.36 | 17.31 | 17.34 | | | |
| 20 | 16QAM | 1 | 0 | 16.73 | 16.91 | 16.71 | | | |
| 20 | 16QAM | 1 | 49 | 17.27 | 17.03 | 16.95 | 18.5 | 0 | |
| 20 | 16QAM | 1 | 99 | 16.82 | 16.74 | 16.96 | | | |
| 20 | 16QAM | 50 | 0 | 17.33 | 17.32 | 17.40 | | | |
| 20 | 16QAM | 50 | 24 | 17.44 | 17.44 | 17.44 | 18.5 | 0 | |
| 20 | 16QAM | 50 | 50 | 17.36 | 17.43 | 17.43 | | | |
| 20 | 16QAM | 100 | 0 | 17.35 | 17.33 | 17.38 | | | |
| 20 | 64QAM | 1 | 0 | 17.12 | 17.11 | 16.90 | | | |
| 20 | 64QAM | 1 | 49 | 17.22 | 16.81 | 17.04 | 18.5 | 0 | |
| 20 | 64QAM | 1 | 99 | 16.80 | 16.92 | 16.93 | | | |
| 20 | 64QAM | 50 | 0 | 17.32 | 17.35 | 17.40 | | | |
| 20 | 64QAM | 50 | 24 | 17.41 | 17.42 | 17.41 | 18.5 | 0 | |
| 20 | 64QAM | 50 | 50 | 17.43 | 17.44 | 17.39 | | | |
| 20 | 64QAM | 100 | 0 | 17.22 | 17.44 | 17.38 | | | |
| Channel | | | | 20825 | 21100 | 21375 | | | |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | | |
| 15 | QPSK | 1 | 0 | 16.87 | 17.01 | 16.98 | | | |
| 15 | QPSK | 1 | 37 | 17.40 | 17.34 | 17.35 | 18.5 | 0 | |
| 15 | QPSK | 1 | 74 | 17.22 | 17.30 | 17.07 | | | |
| 15 | QPSK | 36 | 0 | 17.35 | 17.25 | 17.27 | | | |
| 15 | QPSK | 36 | 20 | 17.27 | 17.22 | 17.28 | 18.5 | 0 | |
| 15 | QPSK | 36 | 39 | 17.31 | 17.21 | 17.22 | | | |
| 15 | QPSK | 75 | 0 | 17.31 | 17.21 | 17.24 | | | |
| 15 | 16QAM | 1 | 0 | 16.67 | 16.82 | 16.64 | | | |
| 15 | 16QAM | 1 | 37 | 17.17 | 16.93 | 16.88 | 18.5 | 0 | |
| 15 | 16QAM | 1 | 74 | 16.74 | 16.70 | 16.87 | | | |
| 15 | 16QAM | 36 | 0 | 17.29 | 17.24 | 17.32 | | | |
| 15 | 16QAM | 36 | 20 | 17.36 | 17.34 | 17.38 | 18.5 | 0 | |
| 15 | 16QAM | 36 | 39 | 17.28 | 17.30 | 17.40 | | | |
| 15 | 16QAM | 75 | 0 | 17.31 | 17.30 | 17.29 | | | |
| 15 | 64QAM | 1 | 0 | 17.03 | 17.06 | 16.83 | | | |
| 15 | 64QAM | 1 | 37 | 17.15 | 16.71 | 16.86 | 18.5 | 0 | |
| 15 | 64QAM | 1 | 74 | 16.74 | 16.85 | 16.90 | | | |
| 15 | 64QAM | 36 | 0 | 17.29 | 17.30 | 17.35 | | | |
| 15 | 64QAM | 36 | 20 | 17.31 | 17.36 | 17.35 | 18.5 | 0 | |
| 15 | 64QAM | 36 | 39 | 17.39 | 17.41 | 17.30 | | | |
| 15 | 64QAM | 75 | 0 | 17.17 | 17.36 | 17.28 | | | |
| Channel | | | | 23800 | 24100 | 24400 | | | |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | | |
| 10 | QPSK | 1 | 0 | 16.89 | 16.97 | 16.96 | | | |
| 10 | QPSK | 1 | 25 | 17.38 | 17.34 | 17.35 | 18.5 | 0 | |
| 10 | QPSK | 1 | 49 | 17.20 | 17.37 | 17.04 | | | |
| 10 | QPSK | 25 | 0 | 17.31 | 17.31 | 17.30 | | | |
| 10 | QPSK | 25 | 12 | 17.23 | 17.21 | 17.24 | 18.5 | 0 | |
| 10 | QPSK | 25 | 25 | 17.32 | 17.26 | 17.27 | | | |
| 10 | QPSK | 50 | 0 | 17.32 | 17.21 | 17.28 | | | |
| 10 | 16QAM | 1 | 0 | 16.63 | 16.85 | 16.62 | | | |
| 10 | 16QAM | 1 | 25 | 17.18 | 16.98 | 16.89 | 18.5 | 0 | |
| 10 | 16QAM | 1 | 49 | 16.75 | 16.65 | 16.88 | | | |
| 10 | 16QAM | 25 | 0 | 17.23 | 17.22 | 17.32 | | | |
| 10 | 16QAM | 25 | 12 | 17.36 | 17.41 | 17.39 | 18.5 | 0 | |
| 10 | 16QAM | 25 | 25 | 17.29 | 17.40 | 17.36 | | | |
| 10 | 16QAM | 50 | 0 | 17.30 | 17.27 | 17.33 | | | |
| 10 | 64QAM | 1 | 0 | 17.08 | 17.04 | 16.82 | | | |
| 10 | 64QAM | 1 | 25 | 17.17 | 16.75 | 16.86 | 18.5 | 0 | |
| 10 | 64QAM | 1 | 49 | 16.74 | 16.86 | 16.90 | | | |
| 10 | 64QAM | 25 | 0 | 17.29 | 17.28 | 17.31 | | | |
| 10 | 64QAM | 25 | 12 | 17.32 | 17.37 | 17.32 | 18.5 | 0 | |
| 10 | 64QAM | 25 | 25 | 17.36 | 17.35 | 17.33 | | | |
| 10 | 64QAM | 50 | 0 | 17.17 | 17.37 | 17.32 | | | |
| Channel | | | | 20775 | 21100 | 21425 | | | |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | | |
| 5 | QPSK | 1 | 0 | 16.86 | 17.01 | 16.97 | | | |
| 5 | QPSK | 1 | 12 | 17.39 | 17.31 | 17.34 | 18.5 | 0 | |
| 5 | QPSK | 1 | 24 | 17.21 | 17.33 | 17.07 | | | |
| 5 | QPSK | 12 | 0 | 17.31 | 17.29 | 17.30 | | | |
| 5 | QPSK | 12 | 7 | 17.28 | 17.23 | 17.25 | 18.5 | 0 | |
| 5 | QPSK | 12 | 13 | 17.29 | 17.22 | 17.26 | | | |
| 5 | QPSK | 25 | 0 | 17.26 | 17.22 | 17.27 | | | |
| 5 | 16QAM | 1 | 0 | 16.68 | 16.81 | 16.61 | | | |
| 5 | 16QAM | 1 | 12 | 17.20 | 17.00 | 16.87 | 18.5 | 0 | |
| 5 | 16QAM | 1 | 24 | 16.79 | 16.68 | 16.92 | | | |
| 5 | 16QAM | 12 | 0 | 17.25 | 17.25 | 17.30 | | | |
| 5 | 16QAM | 12 | 7 | 17.38 | 17.38 | 17.35 | 18.5 | 0 | |
| 5 | 16QAM | 12 | 13 | 17.33 | 17.37 | 17.38 | | | |
| 5 | 16QAM | 25 | 0 | 17.29 | 17.23 | 17.31 | | | |
| 5 | 64QAM | 1 | 0 | 17.08 | 17.05 | 16.85 | | | |
| 5 | 64QAM | 1 | 12 | 17.14 | 16.75 | 16.94 | 18.5 | 0 | |
| 5 | 64QAM | 1 | 24 | 16.71 | 16.86 | 16.84 | | | |
| 5 | 64QAM | 12 | 0 | 17.23 | 17.27 | 17.32 | | | |
| 5 | 64QAM | 12 | 7 | 17.35 | 17.39 | 17.35 | 18.5 | 0 | |
| 5 | 64QAM | 12 | 13 | 17.34 | 17.40 | 17.36 | | | |
| 5 | 64QAM | 25 | 0 | 17.13 | 17.34 | 17.31 | | | |

| Band 66 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 132072 | 132322 | 132572 | | | |
| Frequency (MHz) | | | | 1722 | 1745 | 1770 | | | |
| 20 | QPSK | 1 | 0 | 18.57 | 18.74 | 18.68 | | | |
| 20 | QPSK | 1 | 49 | 18.66 | 18.90 | 18.75 | 19.5 | 0 | |
| 20 | QPSK | 1 | 99 | 18.69 | 18.79 | 18.74 | | | |
| 20 | QPSK | 50 | 0 | 18.66 | 18.78 | 18.77 | | | |
| 20 | QPSK | 50 | 24 | 18.64 | 18.77 | 18.75 | 19.5 | 0 | |
| 20 | QPSK | 50 | 50 | 18.62 | 18.75 | 18.75 | | | |
| 20 | QPSK | 100 | 0 | 18.71 | 18.75 | 18.73 | | | |
| 20 | 16QAM | 1 | 0 | 18.47 | 18.58 | 18.52 | | | |
| 20 | 16QAM | 1 | 49 | 18.76 | 18.79 | 18.74 | 19.5 | 0 | |
| 20 | 16QAM | 1 | 99 | 18.78 | 18.77 | 18.43 | | | |
| 20 | 16QAM | 50 | 0 | 18.68 | 18.74 | 18.77 | | | |
| 20 | 16QAM | 50 | 24 | 18.76 | 18.78 | 18.75 | 19.5 | 0 | |
| 20 | 16QAM | 50 | 50 | 18.75 | 18.78 | 18.79 | | | |
| 20 | 16QAM | 100 | 0 | 18.75 | 18.79 | 18.75 | | | |
| 20 | 64QAM | 1 | 0 | 18.16 | 18.78 | 18.32 | | | |
| 20 | 64QAM | 1 | 49 | 18.44 | 18.78 | 18.35 | 19.5 | 0 | |
| 20 | 64QAM | 1 | 99 | 18.71 | 18.39 | 18.43 | | | |
| 20 | 64QAM | 50 | 0 | 18.76 | 18.74 | 18.74 | | | |
| 20 | 64QAM | 50 | 24 | 18.76 | 18.79 | 18.75 | 19.5 | 0 | |
| 20 | 64QAM | 50 | 50 | 18.71 | 18.79 | 18.79 | | | |
| 20 | 64QAM | 100 | 0 | 18.70 | 18.77 | 18.79 | | | |
| Channel | | | | 132047 | 132322 | 132597 | | | |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | | |
| 15 | QPSK | 1 | 0 | 18.49 | 18.65 | 18.63 | | | |
| 15 | QPSK | 1 | 37 | 18.61 | 18.73 | 18.69 | 19.5 | 0 | |
| 15 | QPSK | 1 | 74 | 18.65 | 18.73 | 18.68 | | | |
| 15 | QPSK | 36 | 0 | 18.57 | 18.73 | 18.70 | | | |
| 15 | QPSK | 36 | 20 | 18.57 | 18.67 | 18.72 | 19.5 | 0 | |
| 15 | QPSK | 36 | 39 | 18.55 | 18.71 | 18.72 | | | |
| 15 | QPSK | 75 | 0 | 18.62 | 18.71 | 18.70 | | | |
| 15 | 16QAM | 1 | 0 | 18.43 | 18.55 | 18.42 | | | |
| 15 | 16QAM | 1 | 37 | 18.68 | 18.69 | 18.69 | 19.5 | 0 | |
| 15 | 16QAM | 1 | 74 | 18.68 | 18.72 | 18.37 | | | |
| 15 | 16QAM | 36 | 0 | 18.64 | 18.69 | 18.69 | | | |
| 15 | 16QAM | 36 | 20 | 18.67 | 18.70 | 18.70 | 19.5 | 0 | |
| 15 | 16QAM | 36 | 39 | 18.67 | 18.71 | 18.72 | | | |
| 15 | 16QAM | 75 | 0 | 18.67 | 18.72 | 18.70 | | | |
| Channel | | | | 132022 | 132322 | 132622 | | | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | | |
| 10 | QPSK | 1 | 0 | 18.49 | 18.67 | 18.64 | | | |
| 10 | QPSK | 1 | 25 | 18.60 | 18.74 | 18.73 | 19.5 | 0 | |
| 10 | QPSK | 1 | 49 | 18.62 | 18.74 | 18.67 | | | |
| 10 | QPSK | 25 | 0 | 18.61 | 18.73 | 18.74 | | | |
| 10 | QPSK | 25 | 12 | 18.61 | 18. | | | | |



Band 38

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 37850 | 38000 | 38150 | | |
| Frequency (MHz) | | | | 2580 | 2595 | 2610 | | |
| 20 | QPSK | 1 | 0 | 19.53 | 19.59 | 19.63 | 21 | 0 |
| 20 | QPSK | 1 | 49 | 19.95 | 20.00 | 19.92 | | |
| 20 | QPSK | 1 | 99 | 19.94 | 19.93 | 19.86 | | |
| 20 | QPSK | 50 | 0 | 19.90 | 19.94 | 19.86 | | |
| 20 | QPSK | 50 | 24 | 19.89 | 19.84 | 19.84 | 21 | 0 |
| 20 | QPSK | 50 | 50 | 19.80 | 19.80 | 19.81 | | |
| 20 | QPSK | 100 | 0 | 19.81 | 19.87 | 19.85 | | |
| 20 | 16QAM | 1 | 0 | 19.26 | 19.26 | 19.25 | | |
| 20 | 16QAM | 1 | 49 | 19.81 | 19.64 | 19.66 | 21 | 0 |
| 20 | 16QAM | 1 | 99 | 19.63 | 19.39 | 19.40 | | |
| 20 | 16QAM | 50 | 0 | 19.80 | 19.81 | 19.72 | | |
| 20 | 16QAM | 50 | 24 | 19.84 | 19.83 | 19.70 | | |
| 20 | 16QAM | 50 | 50 | 19.81 | 19.80 | 19.90 | 21 | 0 |
| 20 | 16QAM | 100 | 0 | 19.95 | 19.85 | 19.86 | | |
| 20 | 64QAM | 1 | 0 | 19.66 | 19.54 | 19.73 | | |
| 20 | 64QAM | 1 | 49 | 19.95 | 19.82 | 19.84 | | |
| 20 | 64QAM | 1 | 99 | 19.71 | 19.67 | 19.88 | 21 | 0 |
| 20 | 64QAM | 50 | 0 | 19.81 | 19.74 | 19.76 | | |
| 20 | 64QAM | 50 | 24 | 19.95 | 19.85 | 19.88 | | |
| 20 | 64QAM | 50 | 50 | 19.91 | 19.89 | 19.92 | | |
| 20 | 64QAM | 100 | 0 | 19.96 | 19.86 | 19.88 | | |
| Channel | | | | 37825 | 38000 | 38175 | | |
| Frequency (MHz) | | | | 2577.5 | 2595 | 2612.5 | | |
| 15 | QPSK | 1 | 0 | 19.44 | 19.55 | 19.56 | 21 | 0 |
| 15 | QPSK | 1 | 37 | 19.90 | 19.96 | 19.88 | | |
| 15 | QPSK | 1 | 74 | 19.84 | 19.85 | 19.81 | | |
| 15 | QPSK | 36 | 0 | 19.80 | 19.80 | 19.78 | | |
| 15 | QPSK | 36 | 20 | 19.81 | 19.75 | 19.77 | 21 | 0 |
| 15 | QPSK | 36 | 39 | 19.70 | 19.86 | 19.75 | | |
| 15 | QPSK | 75 | 0 | 19.72 | 19.81 | 19.76 | | |
| 15 | 16QAM | 1 | 0 | 19.20 | 19.22 | 19.19 | | |
| 15 | 16QAM | 1 | 37 | 19.75 | 19.54 | 19.56 | 21 | 0 |
| 15 | 16QAM | 1 | 74 | 19.55 | 19.36 | 19.32 | | |
| 15 | 16QAM | 36 | 0 | 19.72 | 19.76 | 19.82 | | |
| 15 | 16QAM | 36 | 20 | 19.77 | 19.75 | 19.61 | | |
| 15 | 16QAM | 36 | 39 | 19.69 | 19.83 | 19.80 | 21 | 0 |
| 15 | 16QAM | 75 | 0 | 19.88 | 19.80 | 19.81 | | |
| 15 | 64QAM | 1 | 0 | 19.62 | 19.50 | 19.70 | | |
| 15 | 64QAM | 1 | 37 | 19.87 | 19.73 | 19.77 | | |
| 15 | 64QAM | 1 | 74 | 19.65 | 19.62 | 19.61 | 21 | 0 |
| 15 | 64QAM | 36 | 0 | 19.71 | 19.68 | 19.66 | | |
| 15 | 64QAM | 36 | 20 | 19.80 | 19.75 | 19.82 | | |
| 15 | 64QAM | 36 | 39 | 19.86 | 19.82 | 19.83 | | |
| 15 | 64QAM | 75 | 0 | 19.82 | 19.81 | 19.79 | | |
| Channel | | | | 37800 | 38000 | 38200 | | |
| Frequency (MHz) | | | | 2575 | 2595 | 2615 | | |
| 10 | QPSK | 1 | 0 | 19.45 | 19.53 | 19.56 | 21 | 0 |
| 10 | QPSK | 1 | 25 | 19.91 | 19.98 | 19.86 | | |
| 10 | QPSK | 1 | 49 | 19.84 | 19.83 | 19.78 | | |
| 10 | QPSK | 25 | 0 | 19.83 | 19.87 | 19.83 | | |
| 10 | QPSK | 25 | 12 | 19.79 | 19.74 | 19.81 | 21 | 0 |
| 10 | QPSK | 25 | 25 | 19.74 | 19.85 | 19.75 | | |
| 10 | QPSK | 50 | 0 | 19.73 | 19.80 | 19.75 | | |
| 10 | 16QAM | 1 | 0 | 19.17 | 19.20 | 19.20 | | |
| 10 | 16QAM | 1 | 25 | 19.73 | 19.60 | 19.60 | 21 | 0 |
| 10 | 16QAM | 1 | 49 | 19.58 | 19.31 | 19.30 | | |
| 10 | 16QAM | 25 | 0 | 19.74 | 19.76 | 19.62 | | |
| 10 | 16QAM | 25 | 12 | 19.81 | 19.78 | 19.66 | | |
| 10 | 16QAM | 25 | 25 | 19.74 | 19.81 | 19.86 | 21 | 0 |
| 10 | 16QAM | 50 | 0 | 19.87 | 19.81 | 19.81 | | |
| 10 | 64QAM | 1 | 0 | 19.63 | 19.50 | 19.66 | | |
| 10 | 64QAM | 1 | 25 | 19.92 | 19.76 | 19.81 | | |
| 10 | 64QAM | 1 | 49 | 19.87 | 19.64 | 19.59 | 21 | 0 |
| 10 | 64QAM | 25 | 0 | 19.75 | 19.67 | 19.72 | | |
| 10 | 64QAM | 25 | 12 | 19.87 | 19.81 | 19.79 | | |
| 10 | 64QAM | 25 | 25 | 19.88 | 19.80 | 19.86 | | |
| 10 | 64QAM | 50 | 0 | 19.89 | 19.82 | 19.81 | | |
| Channel | | | | 37775 | 38000 | 38225 | | |
| Frequency (MHz) | | | | 2572.5 | 2595 | 2617.5 | | |
| 5 | QPSK | 1 | 0 | 19.46 | 19.54 | 19.53 | 21 | 0 |
| 5 | QPSK | 1 | 12 | 19.91 | 19.94 | 19.88 | | |
| 5 | QPSK | 1 | 24 | 19.86 | 19.84 | 19.78 | | |
| 5 | QPSK | 12 | 0 | 19.85 | 19.89 | 19.78 | | |
| 5 | QPSK | 12 | 7 | 19.86 | 19.81 | 19.81 | 21 | 0 |
| 5 | QPSK | 12 | 13 | 19.71 | 19.79 | 19.78 | | |
| 5 | QPSK | 25 | 0 | 19.74 | 19.81 | 19.80 | | |
| 5 | 16QAM | 1 | 0 | 19.18 | 19.17 | 19.20 | | |
| 5 | 16QAM | 1 | 12 | 19.77 | 19.61 | 19.60 | 21 | 0 |
| 5 | 16QAM | 1 | 24 | 19.58 | 19.29 | 19.36 | | |
| 5 | 16QAM | 12 | 0 | 19.71 | 19.73 | 19.64 | | |
| 5 | 16QAM | 12 | 7 | 19.76 | 19.80 | 19.65 | | |
| 5 | 16QAM | 12 | 13 | 19.72 | 19.80 | 19.81 | 21 | 0 |
| 5 | 16QAM | 25 | 0 | 19.88 | 19.77 | 19.82 | | |
| 5 | 64QAM | 1 | 0 | 19.57 | 19.49 | 19.68 | | |
| 5 | 64QAM | 1 | 12 | 19.91 | 19.73 | 19.80 | | |
| 5 | 64QAM | 1 | 24 | 19.62 | 19.58 | 19.61 | 21 | 0 |
| 5 | 64QAM | 12 | 0 | 19.77 | 19.67 | 19.69 | | |
| 5 | 64QAM | 12 | 7 | 19.90 | 19.77 | 19.82 | | |
| 5 | 64QAM | 12 | 13 | 19.81 | 19.86 | 19.86 | | |
| 5 | 64QAM | 25 | 0 | 19.92 | 19.76 | 19.82 | | |



Reduced Power Mode for Hotspot on

| GSM850 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|----------------------|---------------------------|-------|-------|---------------------------|---------------------------|-------|-------|---------------------------|
| | 128 | 169 | 251 | | 128 | 169 | 251 | |
| Frequency (MHz) | 52.2 | 53.4 | 54.3 | 33.00 | 23.2 | 23.4 | 23.3 | 24.00 |
| GSM 1 Tx slot | 32.44 | 32.43 | 32.30 | 33.00 | 23.41 | 23.43 | 23.30 | 24.00 |
| GPRS 1 Tx slots | 32.44 | 32.45 | 32.35 | 33.00 | 23.44 | 23.45 | 23.35 | 24.00 |
| GPRS 2 Tx slots | 30.27 | 30.37 | 30.29 | 31.50 | 24.27 | 24.37 | 24.29 | 25.50 |
| GPRS 3 Tx slots | 27.99 | 28.11 | 28.09 | 29.50 | 23.73 | 23.85 | 23.83 | 25.24 |
| GPRS 4 Tx slots | 26.04 | 26.01 | 26.06 | 28.00 | 23.04 | 23.01 | 23.06 | 25.00 |
| EDGE 1 Tx slot | 26.36 | 26.15 | 26.34 | 28.00 | 17.36 | 17.15 | 17.34 | 19.00 |
| EDGE 2 Tx slots | 24.29 | 24.19 | 24.21 | 25.50 | 18.29 | 18.19 | 18.21 | 19.50 |
| EDGE 3 Tx slots | 21.78 | 21.95 | 21.95 | 23.00 | 17.52 | 17.69 | 17.69 | 18.74 |
| EDGE 4 Tx slots | 19.27 | 19.24 | 19.31 | 20.50 | 16.27 | 16.24 | 16.31 | 17.50 |

| GSM1900 TX Channel | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------------|---------------------------|-------|--------|---------------------------|---------------------------|-------|-------|---------------------------|
| | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | 28.50 | 18.50 | 18.80 | 18.48 | 19.50 |
| GSM 1 Tx slot | 27.60 | 27.65 | 27.48 | 28.50 | 18.60 | 18.65 | 18.48 | 19.50 |
| GPRS 1 Tx slot | 27.62 | 27.68 | 27.51 | 28.50 | 18.62 | 18.68 | 18.51 | 19.50 |
| GPRS 2 Tx slots | 25.41 | 26.45 | 25.38 | 26.50 | 19.41 | 19.45 | 19.38 | 20.50 |
| GPRS 3 Tx slots | 22.92 | 23.03 | 23.08 | 24.00 | 18.66 | 18.77 | 18.82 | 19.74 |
| GPRS 4 Tx slots | 21.33 | 21.25 | 21.05 | 22.50 | 18.33 | 18.25 | 18.05 | 19.50 |
| EDGE 1 Tx slot | 24.23 | 24.01 | 23.97 | 25.00 | 15.23 | 15.01 | 14.97 | 16.00 |
| EDGE 2 Tx slots | 22.22 | 21.98 | 21.86 | 22.50 | 16.22 | 15.98 | 15.86 | 16.50 |
| EDGE 3 Tx slots | 19.68 | 19.86 | 19.81 | 20.00 | 15.42 | 15.60 | 15.55 | 15.74 |
| EDGE 4 Tx slots | 17.67 | 17.85 | 17.68 | 19.00 | 14.87 | 14.85 | 14.68 | 16.00 |

| Band | TX Channel | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) |
|-------------|--------------------|----------|-------|-------|---------------------------|----------|-------|-------|---------------------------|
| | | 5262 | 8400 | 9638 | | 1312 | 1413 | 1513 | |
| 3GPP Rel 99 | AMR 12.2kbps | 18.78 | 18.76 | 18.65 | 20.00 | 17.94 | 17.96 | 17.92 | 19.00 |
| 3GPP Rel 99 | RMC 12.2kbps | 18.88 | 18.93 | 18.91 | 20.00 | 18.09 | 18.11 | 18.08 | 19.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 17.99 | 17.87 | 18.03 | 19.00 | 17.06 | 16.99 | 16.88 | 18.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 17.58 | 18.01 | 18.06 | 19.00 | 16.92 | 17.06 | 17.11 | 18.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 17.48 | 17.48 | 17.47 | 18.50 | 16.47 | 16.53 | 16.48 | 17.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 17.41 | 17.56 | 17.48 | 18.50 | 16.35 | 16.40 | 16.55 | 17.50 |
| 3GPP Rel 6 | DC-HSDPA Subtest-1 | 17.90 | 17.87 | 17.98 | 19.00 | 17.00 | 16.93 | 16.87 | 18.00 |
| 3GPP Rel 6 | DC-HSDPA Subtest-2 | 17.83 | 17.96 | 17.95 | 19.00 | 16.88 | 17.05 | 17.05 | 18.00 |
| 3GPP Rel 6 | DC-HSDPA Subtest-3 | 17.33 | 17.37 | 17.49 | 18.50 | 16.37 | 16.37 | 16.38 | 17.50 |
| 3GPP Rel 6 | DC-HSDPA Subtest-4 | 17.41 | 17.46 | 17.38 | 18.50 | 16.41 | 16.38 | 16.42 | 17.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 17.89 | 18.01 | 18.03 | 19.00 | 16.99 | 17.03 | 17.15 | 18.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 15.96 | 15.95 | 15.86 | 17.00 | 15.03 | 15.01 | 15.11 | 16.00 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 16.97 | 16.97 | 17.05 | 18.00 | 16.04 | 16.01 | 16.15 | 17.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 15.85 | 15.89 | 16.17 | 17.00 | 14.86 | 14.96 | 15.11 | 16.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 18.04 | 18.08 | 18.10 | 19.00 | 17.01 | 16.91 | 17.14 | 18.00 |



| Band 2 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 18700 | 18800 | 19100 | | | |
| Frequency (MHz) | | | | 18700 | 18800 | 19100 | | | |
| 20 | QPSK | 1 | 0 | 19.26 | 19.50 | 19.50 | 20.5 | 0 | |
| 20 | QPSK | 1 | 49 | 19.45 | 19.56 | 19.40 | | | |
| 20 | QPSK | 1 | 99 | 19.40 | 19.43 | 19.31 | | | |
| 20 | QPSK | 50 | 0 | 19.48 | 19.55 | 19.42 | | | |
| 20 | QPSK | 50 | 24 | 19.44 | 19.52 | 19.36 | | | |
| 20 | QPSK | 50 | 50 | 19.39 | 19.54 | 19.38 | | | |
| 20 | QPSK | 100 | 0 | 19.41 | 19.54 | 19.39 | | | |
| 20 | 16QAM | 1 | 0 | 19.39 | 19.53 | 19.35 | | | |
| 20 | 16QAM | 1 | 49 | 19.43 | 19.35 | 19.05 | | | |
| 20 | 16QAM | 1 | 99 | 19.08 | 19.52 | 18.83 | | | |
| 20 | 16QAM | 50 | 0 | 19.43 | 19.56 | 19.34 | | | |
| 20 | 16QAM | 50 | 24 | 19.40 | 19.54 | 19.36 | | | |
| 20 | 16QAM | 50 | 50 | 19.43 | 19.55 | 19.37 | | | |
| 20 | 16QAM | 100 | 0 | 19.42 | 19.52 | 19.37 | | | |
| 20 | 64QAM | 1 | 0 | 19.39 | 19.56 | 19.34 | | | |
| 20 | 64QAM | 1 | 49 | 19.43 | 19.54 | 19.37 | | | |
| 20 | 64QAM | 1 | 99 | 19.40 | 19.53 | 19.36 | | | |
| 20 | 64QAM | 50 | 0 | 19.44 | 19.53 | 19.36 | | | |
| 20 | 64QAM | 50 | 24 | 19.42 | 19.57 | 19.36 | | | |
| 20 | 64QAM | 50 | 50 | 19.43 | 19.53 | 19.37 | | | |
| 20 | 64QAM | 100 | 0 | 19.43 | 19.57 | 19.39 | | | |
| Channel | | | | 18675 | 18900 | 19125 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 18675 | 18900 | 19125 | | | |
| 15 | QPSK | 1 | 0 | 19.16 | 19.41 | 19.47 | 20.5 | 0 | |
| 15 | QPSK | 1 | 37 | 19.38 | 19.56 | 19.35 | | | |
| 15 | QPSK | 1 | 74 | 19.34 | 19.34 | 19.26 | | | |
| 15 | QPSK | 36 | 0 | 19.41 | 19.46 | 19.33 | | | |
| 15 | QPSK | 36 | 20 | 19.35 | 19.42 | 19.33 | | | |
| 15 | QPSK | 36 | 39 | 19.29 | 19.47 | 19.34 | | | |
| 15 | QPSK | 75 | 0 | 19.37 | 19.47 | 19.32 | | | |
| 15 | 16QAM | 1 | 0 | 19.35 | 19.50 | 19.27 | | | |
| 15 | 16QAM | 1 | 37 | 19.37 | 19.29 | 19.01 | | | |
| 15 | 16QAM | 1 | 74 | 19.02 | 19.42 | 18.74 | | | |
| 15 | 16QAM | 36 | 0 | 19.40 | 19.50 | 19.26 | | | |
| 15 | 16QAM | 36 | 20 | 19.33 | 19.46 | 19.30 | | | |
| 15 | 16QAM | 36 | 39 | 19.30 | 19.50 | 19.32 | | | |
| 15 | 16QAM | 75 | 0 | 19.32 | 19.43 | 19.32 | | | |
| 15 | 64QAM | 1 | 0 | 19.32 | 19.48 | 19.28 | | | |
| 15 | 64QAM | 1 | 37 | 19.40 | 19.50 | 19.30 | | | |
| 15 | 64QAM | 1 | 74 | 19.31 | 19.50 | 19.32 | | | |
| 15 | 64QAM | 36 | 0 | 19.40 | 19.43 | 19.31 | | | |
| 15 | 64QAM | 36 | 20 | 19.36 | 19.52 | 19.27 | | | |
| 15 | 64QAM | 36 | 39 | 19.40 | 19.46 | 19.29 | | | |
| 15 | 64QAM | 75 | 0 | 19.33 | 19.50 | 19.36 | | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 18650 | 18900 | 19150 | | | |
| 10 | QPSK | 1 | 0 | 19.21 | 19.41 | 19.46 | 20.5 | 0 | |
| 10 | QPSK | 1 | 25 | 19.39 | 19.53 | 19.37 | | | |
| 10 | QPSK | 1 | 49 | 19.34 | 19.33 | 19.25 | | | |
| 10 | QPSK | 25 | 0 | 19.42 | 19.47 | 19.39 | | | |
| 10 | QPSK | 25 | 12 | 19.35 | 19.48 | 19.33 | | | |
| 10 | QPSK | 25 | 25 | 19.32 | 19.51 | 19.34 | | | |
| 10 | QPSK | 50 | 0 | 19.31 | 19.46 | 19.33 | | | |
| 10 | 16QAM | 1 | 0 | 19.31 | 19.46 | 19.27 | | | |
| 10 | 16QAM | 1 | 25 | 19.37 | 19.30 | 18.95 | | | |
| 10 | 16QAM | 1 | 49 | 19.05 | 19.49 | 18.76 | | | |
| 10 | 16QAM | 25 | 0 | 19.35 | 19.46 | 19.24 | | | |
| 10 | 16QAM | 25 | 12 | 19.36 | 19.44 | 19.28 | | | |
| 10 | 16QAM | 25 | 25 | 19.38 | 19.49 | 19.33 | | | |
| 10 | 16QAM | 50 | 0 | 19.33 | 19.44 | 19.30 | | | |
| 10 | 64QAM | 1 | 0 | 19.33 | 19.53 | 19.30 | | | |
| 10 | 64QAM | 1 | 25 | 19.38 | 19.46 | 19.30 | | | |
| 10 | 64QAM | 1 | 49 | 19.30 | 19.46 | 19.35 | | | |
| 10 | 64QAM | 25 | 0 | 19.38 | 19.48 | 19.29 | | | |
| 10 | 64QAM | 25 | 12 | 19.37 | 19.47 | 19.27 | | | |
| 10 | 64QAM | 25 | 25 | 19.38 | 19.43 | 19.29 | | | |
| 10 | 64QAM | 50 | 0 | 19.36 | 19.51 | 19.31 | | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 18625 | 18900 | 19175 | | | |
| 5 | QPSK | 1 | 0 | 19.20 | 19.41 | 19.47 | 20.5 | 0 | |
| 5 | QPSK | 1 | 12 | 19.38 | 19.52 | 19.35 | | | |
| 5 | QPSK | 1 | 24 | 19.33 | 19.39 | 19.21 | | | |
| 5 | QPSK | 12 | 0 | 19.39 | 19.46 | 19.37 | | | |
| 5 | QPSK | 12 | 7 | 19.41 | 19.42 | 19.31 | | | |
| 5 | QPSK | 12 | 13 | 19.34 | 19.46 | 19.31 | | | |
| 5 | QPSK | 25 | 0 | 19.33 | 19.50 | 19.31 | | | |
| 5 | 16QAM | 1 | 0 | 19.33 | 19.45 | 19.26 | | | |
| 5 | 16QAM | 1 | 12 | 19.33 | 19.34 | 18.95 | | | |
| 5 | 16QAM | 1 | 24 | 19.02 | 19.47 | 18.73 | | | |
| 5 | 16QAM | 12 | 0 | 19.34 | 19.51 | 19.30 | | | |
| 5 | 16QAM | 12 | 7 | 19.35 | 19.50 | 19.28 | | | |
| 5 | 16QAM | 12 | 13 | 19.38 | 19.51 | 19.29 | | | |
| 5 | 16QAM | 25 | 0 | 19.34 | 19.44 | 19.30 | | | |
| 5 | 64QAM | 1 | 0 | 19.33 | 19.47 | 19.24 | | | |
| 5 | 64QAM | 1 | 12 | 19.35 | 19.49 | 19.27 | | | |
| 5 | 64QAM | 1 | 24 | 19.35 | 19.48 | 19.33 | | | |
| 5 | 64QAM | 12 | 0 | 19.35 | 19.49 | 19.33 | | | |
| 5 | 64QAM | 12 | 7 | 19.38 | 19.49 | 19.26 | | | |
| 5 | 64QAM | 12 | 13 | 19.37 | 19.46 | 19.29 | | | |
| 5 | 64QAM | 25 | 0 | 19.34 | 19.48 | 19.35 | | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 18615 | 18900 | 19185 | | | |
| 3 | QPSK | 1 | 0 | 19.19 | 19.40 | 19.42 | 20.5 | 0 | |
| 3 | QPSK | 1 | 8 | 19.40 | 19.52 | 19.35 | | | |
| 3 | QPSK | 1 | 14 | 19.33 | 19.40 | 19.24 | | | |
| 3 | QPSK | 8 | 0 | 19.44 | 19.49 | 19.35 | | | |
| 3 | QPSK | 8 | 4 | 19.37 | 19.47 | 19.32 | | | |
| 3 | QPSK | 8 | 7 | 19.36 | 19.51 | 19.30 | | | |
| 3 | QPSK | 15 | 0 | 19.36 | 19.48 | 19.35 | | | |
| 3 | 16QAM | 1 | 0 | 19.29 | 19.50 | 19.27 | | | |
| 3 | 16QAM | 1 | 8 | 19.39 | 19.34 | 19.02 | | | |
| 3 | 16QAM | 1 | 14 | 18.99 | 19.43 | 18.75 | | | |
| 3 | 16QAM | 8 | 0 | 19.35 | 19.48 | 19.28 | | | |
| 3 | 16QAM | 8 | 4 | 19.34 | 19.50 | 19.26 | | | |
| 3 | 16QAM | 8 | 7 | 19.33 | 19.52 | 19.27 | | | |
| 3 | 16QAM | 15 | 0 | 19.39 | 19.46 | 19.33 | | | |
| 3 | 64QAM | 1 | 0 | 19.29 | 19.50 | 19.27 | | | |
| 3 | 64QAM | 1 | 8 | 19.34 | 19.49 | 19.29 | | | |
| 3 | 64QAM | 1 | 14 | 19.35 | 19.46 | 19.35 | | | |
| 3 | 64QAM | 8 | 0 | 19.40 | 19.46 | 19.29 | | | |
| 3 | 64QAM | 8 | 4 | 19.33 | 19.47 | 19.33 | | | |
| 3 | 64QAM | 8 | 7 | 19.35 | 19.45 | 19.26 | | | |
| Channel | | | | 18600 | 18900 | 19190 | Tune-up limit (dBm) | MPR (dB) | |
| Frequency (MHz) | | | | 18600 | 18900 | 19190 | | | |
| 1.4 | QPSK | 1 | 0 | 19.21 | 19.46 | 19.47 | 20.5 | 0 | |
| 1.4 | QPSK | 1 | 3 | 19.38 | 19.55 | 19.35 | | | |
| 1.4 | QPSK | 1 | 5 | 19.30 | 19.34 | 19.24 | | | |
| 1.4 | QPSK | 3 | 0 | 19.39 | 19.51 | 19.35 | | | |
| 1.4 | QPSK | 3 | 1 | 19.36 | 19.44 | 19.30 | | | |
| 1.4 | QPSK | 3 | 3 | 19.35 | 19.49 | 19.30 | | | |
| 1.4 | QPSK | 6 | 0 | 19.37 | 19.51 | 19.35 | | | |
| 1.4 | 16QAM | 1 | 0 | 19.35 | 19.48 | 19.32 | | | |
| 1.4 | 16QAM | 1 | 3 | 19.40 | 19.26 | 18.95 | | | |
| 1.4 | 16QAM | 1 | 5 | 19.05 | 19.46 | 18.80 | | | |
| 1.4 | 16QAM | 3 | 0 | 19.33 | 19.52 | 19.26 | | | |
| 1.4 | 16QAM | 3 | 1 | 19.34 | 19.47 | 19.26 | | | |
| 1.4 | 16QAM | 3 | 3 | 19.35 | 19.50 | 19.30 | | | |
| 1.4 | 16QAM | 6 | 0 | 19.33 | 19.44 | 19.28 | | | |
| 1.4 | 64QAM | 1 | 0 | 19.31 | 19.46 | 19.26 | | | |
| 1.4 | 64QAM | 1 | 3 | 19.38 | 19.46 | 19.29 | | | |
| 1.4 | 64QAM | 1 | 5 | 19.35 | 19.47 | 19.29 | | | |
| 1.4 | 64QAM | 3 | 0 | 19.41 | 19.49 | 19.26 | | | |
| 1.4 | 64QAM | 3 | 1 | 19.38 | 19.53 | 19.32 | | | |
| 1.4 | 64QAM | 3 | 3 | 19.34 | 19.49 | 19.30 | | | |
| 1.4 | 64QAM | 6 | 0 | 19.38 | 19.52 | 19.32 | | | |

| Band 4 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 20050 | 20175 | 20300 | | | |
| Frequency (MHz) | | | | 20050 | 20175 | 20300 | | | |
| 20 | QPSK | 1 | 0 | 18.25 | 18.43 | | | | |



| Band 7 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 20850 | 21100 | 21350 | | | |
| Frequency (MHz) | | | | 2310 | 2535 | 2560 | | | |
| 20 | QPSK | 1 | 0 | 16.93 | 17.07 | 17.02 | | | |
| 20 | QPSK | 1 | 49 | 17.45 | 17.37 | 17.40 | 18.5 | 0 | |
| 20 | QPSK | 1 | 99 | 17.27 | 17.40 | 17.13 | | | |
| 20 | QPSK | 50 | 0 | 17.41 | 17.34 | 17.35 | | | |
| 20 | QPSK | 50 | 24 | 17.33 | 17.31 | 17.33 | | | |
| 20 | QPSK | 50 | 50 | 17.36 | 17.30 | 17.30 | 18.5 | 0 | |
| 20 | QPSK | 100 | 0 | 17.36 | 17.31 | 17.34 | | | |
| 20 | 16QAM | 1 | 0 | 16.73 | 16.91 | 16.71 | | | |
| 20 | 16QAM | 1 | 49 | 17.27 | 17.03 | 16.95 | 18.5 | 0 | |
| 20 | 16QAM | 1 | 99 | 16.82 | 16.74 | 16.95 | | | |
| 20 | 16QAM | 50 | 0 | 17.33 | 17.32 | 17.40 | | | |
| 20 | 16QAM | 50 | 24 | 17.44 | 17.44 | 17.44 | | | |
| 20 | 16QAM | 50 | 50 | 17.36 | 17.43 | 17.43 | 18.5 | 0 | |
| 20 | 16QAM | 100 | 0 | 17.35 | 17.33 | 17.38 | | | |
| 20 | 64QAM | 1 | 0 | 17.12 | 17.11 | 16.90 | | | |
| 20 | 64QAM | 1 | 49 | 17.22 | 16.81 | 17.04 | 18.5 | 0 | |
| 20 | 64QAM | 1 | 99 | 16.80 | 16.92 | 16.93 | | | |
| 20 | 64QAM | 50 | 0 | 17.32 | 17.35 | 17.40 | | | |
| 20 | 64QAM | 50 | 24 | 17.41 | 17.42 | 17.41 | 18.5 | 0 | |
| 20 | 64QAM | 50 | 50 | 17.43 | 17.44 | 17.39 | | | |
| 20 | 64QAM | 100 | 0 | 17.22 | 17.44 | 17.38 | | | |
| Channel | | | | 20825 | 21100 | 21375 | | | |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | | |
| 15 | QPSK | 1 | 0 | 16.87 | 17.01 | 16.98 | | | |
| 15 | QPSK | 1 | 37 | 17.40 | 17.34 | 17.35 | 18.5 | 0 | |
| 15 | QPSK | 1 | 74 | 17.22 | 17.30 | 17.07 | | | |
| 15 | QPSK | 36 | 0 | 17.35 | 17.25 | 17.21 | | | |
| 15 | QPSK | 36 | 20 | 17.27 | 17.22 | 17.28 | 18.5 | 0 | |
| 15 | QPSK | 36 | 39 | 17.31 | 17.21 | 17.22 | | | |
| 15 | QPSK | 75 | 0 | 17.31 | 17.21 | 17.24 | | | |
| 15 | 16QAM | 1 | 0 | 16.67 | 16.82 | 16.64 | | | |
| 15 | 16QAM | 1 | 37 | 17.17 | 16.93 | 16.88 | 18.5 | 0 | |
| 15 | 16QAM | 1 | 74 | 16.74 | 16.70 | 16.87 | | | |
| 15 | 16QAM | 36 | 0 | 17.29 | 17.24 | 17.32 | | | |
| 15 | 16QAM | 36 | 20 | 17.36 | 17.34 | 17.38 | 18.5 | 0 | |
| 15 | 16QAM | 36 | 39 | 17.28 | 17.39 | 17.40 | | | |
| 15 | 16QAM | 75 | 0 | 17.31 | 17.30 | 17.29 | | | |
| 15 | 64QAM | 1 | 0 | 17.03 | 17.06 | 16.83 | | | |
| 15 | 64QAM | 1 | 37 | 17.15 | 16.71 | 16.96 | 18.5 | 0 | |
| 15 | 64QAM | 1 | 74 | 16.74 | 16.85 | 16.90 | | | |
| 15 | 64QAM | 36 | 0 | 17.29 | 17.30 | 17.35 | | | |
| 15 | 64QAM | 36 | 20 | 17.31 | 17.36 | 17.35 | 18.5 | 0 | |
| 15 | 64QAM | 36 | 39 | 17.39 | 17.41 | 17.30 | | | |
| 15 | 64QAM | 75 | 0 | 17.17 | 17.38 | 17.28 | | | |
| Channel | | | | 20890 | 21100 | 21400 | | | |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | | |
| 10 | QPSK | 1 | 0 | 16.89 | 16.97 | 16.96 | | | |
| 10 | QPSK | 1 | 25 | 17.38 | 17.34 | 17.35 | 18.5 | 0 | |
| 10 | QPSK | 1 | 49 | 17.20 | 17.37 | 17.04 | | | |
| 10 | QPSK | 25 | 0 | 17.31 | 17.31 | 17.30 | | | |
| 10 | QPSK | 25 | 12 | 17.23 | 17.21 | 17.24 | 18.5 | 0 | |
| 10 | QPSK | 25 | 25 | 17.32 | 17.26 | 17.27 | | | |
| 10 | QPSK | 50 | 0 | 17.32 | 17.21 | 17.28 | | | |
| 10 | 16QAM | 1 | 0 | 16.63 | 16.85 | 16.62 | | | |
| 10 | 16QAM | 1 | 25 | 17.18 | 16.98 | 16.89 | 18.5 | 0 | |
| 10 | 16QAM | 1 | 49 | 16.75 | 16.65 | 16.88 | | | |
| 10 | 16QAM | 25 | 0 | 17.23 | 17.22 | 17.32 | | | |
| 10 | 16QAM | 25 | 12 | 17.36 | 17.41 | 17.39 | 18.5 | 0 | |
| 10 | 16QAM | 25 | 25 | 17.29 | 17.40 | 17.36 | | | |
| 10 | 16QAM | 50 | 0 | 17.30 | 17.27 | 17.33 | | | |
| 10 | 64QAM | 1 | 0 | 17.08 | 17.04 | 16.82 | | | |
| 10 | 64QAM | 1 | 25 | 17.17 | 16.75 | 16.96 | 18.5 | 0 | |
| 10 | 64QAM | 1 | 49 | 16.74 | 16.86 | 16.90 | | | |
| 10 | 64QAM | 25 | 0 | 17.29 | 17.28 | 17.31 | | | |
| 10 | 64QAM | 25 | 12 | 17.32 | 17.37 | 17.32 | 18.5 | 0 | |
| 10 | 64QAM | 25 | 25 | 17.36 | 17.35 | 17.33 | | | |
| 10 | 64QAM | 50 | 0 | 17.17 | 17.37 | 17.32 | | | |
| Channel | | | | 20775 | 21100 | 21425 | | | |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | | |
| 5 | QPSK | 1 | 0 | 16.86 | 17.01 | 16.97 | | | |
| 5 | QPSK | 1 | 12 | 17.39 | 17.31 | 17.34 | 18.5 | 0 | |
| 5 | QPSK | 1 | 24 | 17.21 | 17.33 | 17.07 | | | |
| 5 | QPSK | 12 | 0 | 17.31 | 17.29 | 17.30 | | | |
| 5 | QPSK | 12 | 7 | 17.28 | 17.23 | 17.25 | 18.5 | 0 | |
| 5 | QPSK | 12 | 13 | 17.29 | 17.22 | 17.26 | | | |
| 5 | QPSK | 25 | 0 | 17.26 | 17.22 | 17.27 | | | |
| 5 | 16QAM | 1 | 0 | 16.68 | 16.81 | 16.61 | | | |
| 5 | 16QAM | 1 | 12 | 17.20 | 17.00 | 16.87 | 18.5 | 0 | |
| 5 | 16QAM | 1 | 24 | 16.79 | 16.68 | 16.92 | | | |
| 5 | 16QAM | 12 | 0 | 17.25 | 17.25 | 17.30 | | | |
| 5 | 16QAM | 12 | 7 | 17.38 | 17.38 | 17.35 | 18.5 | 0 | |
| 5 | 16QAM | 12 | 13 | 17.33 | 17.37 | 17.38 | | | |
| 5 | 16QAM | 25 | 0 | 17.29 | 17.23 | 17.31 | | | |
| 5 | 64QAM | 1 | 0 | 17.08 | 17.05 | 16.85 | | | |
| 5 | 64QAM | 1 | 12 | 17.14 | 16.75 | 16.94 | 18.5 | 0 | |
| 5 | 64QAM | 1 | 24 | 16.71 | 16.86 | 16.84 | | | |
| 5 | 64QAM | 12 | 0 | 17.23 | 17.27 | 17.32 | | | |
| 5 | 64QAM | 12 | 7 | 17.35 | 17.38 | 17.35 | 18.5 | 0 | |
| 5 | 64QAM | 12 | 13 | 17.34 | 17.40 | 17.36 | | | |
| 5 | 64QAM | 25 | 0 | 17.13 | 17.34 | 17.31 | | | |

| Band 66 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 132072 | 132322 | 132572 | | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | | |
| 20 | QPSK | 1 | 0 | 16.57 | 16.74 | 16.68 | | | |
| 20 | QPSK | 1 | 49 | 16.66 | 16.80 | 16.75 | 19.5 | 0 | |
| 20 | QPSK | 1 | 99 | 16.69 | 16.79 | 16.74 | | | |
| 20 | QPSK | 50 | 0 | 16.66 | 16.78 | 16.77 | | | |
| 20 | QPSK | 50 | 24 | 16.64 | 16.77 | 16.75 | 19.5 | 0 | |
| 20 | QPSK | 50 | 50 | 16.62 | 16.75 | 16.75 | | | |
| 20 | QPSK | 100 | 0 | 16.71 | 16.75 | 16.73 | | | |
| 20 | 16QAM | 1 | 0 | 16.47 | 16.58 | 16.52 | | | |
| 20 | 16QAM | 1 | 49 | 16.76 | 16.79 | 16.74 | 19.5 | 0 | |
| 20 | 16QAM | 1 | 99 | 16.78 | 16.77 | 16.83 | | | |
| 20 | 16QAM | 50 | 0 | 16.68 | 16.74 | 16.77 | | | |
| 20 | 16QAM | 50 | 24 | 16.76 | 16.78 | 16.75 | 19.5 | 0 | |
| 20 | 16QAM | 50 | 50 | 16.75 | 16.78 | 16.79 | | | |
| 20 | 16QAM | 100 | 0 | 16.75 | 16.79 | 16.75 | | | |
| 20 | 64QAM | 1 | 0 | 16.16 | 16.78 | 16.32 | | | |
| 20 | 64QAM | 1 | 49 | 16.44 | 16.78 | 16.35 | 19.5 | 0 | |
| 20 | 64QAM | 1 | 99 | 16.71 | 16.58 | 16.43 | | | |
| 20 | 64QAM | 50 | 0 | 16.76 | 16.74 | 16.74 | | | |
| 20 | 64QAM | 50 | 24 | 16.76 | 16.79 | 16.75 | 19.5 | 0 | |
| 20 | 64QAM | 50 | 50 | 16.71 | 16.79 | 16.79 | | | |
| 20 | 64QAM | 100 | 0 | 16.70 | 16.77 | 16.79 | | | |
| Channel | | | | 132047 | 132322 | 132597 | | | |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | | |
| 15 | QPSK | 1 | 0 | 16.49 | 16.65 | 16.63 | | | |
| 15 | QPSK | 1 | 37 | 16.61 | 16.73 | 16.69 | 19.5 | 0 | |
| 15 | QPSK | 1 | 74 | 16.65 | 16.73 | 16.68 | | | |
| 15 | QPSK | 36 | 0 | 16.57 | 16.73 | 16.70 | | | |
| 15 | QPSK | 36 | 20 | 16.57 | 16.67 | 16.72 | 19.5 | 0 | |
| 15 | QPSK | 36 | 39 | 16.55 | 16.71 | 16.72 | | | |
| 15 | QPSK | 75 | 0 | 16.62 | 16.71 | 16.70 | | | |
| 15 | 16QAM | 1 | 0 | 16.43 | 16.55 | 16.42 | | | |
| 15 | 16QAM | 1 | 37 | 16.68 | 16.69 | 16.69 | 19.5 | 0 | |
| 15 | 16QAM | 1 | 74 | 16.68 | 16.72 | 16.37 | | | |
| 15 | 16QAM | 36 | 0 | 16.64 | 16.69 | 16.69 | | | |
| 15 | 16QAM | 36 | 20 | 16.67 | 16.68 | 16.70 | 19.5 | 0 | |
| 15 | 16QAM | 36 | 39 | 16.67 | 16.71 | 16.72 | | | |
| 15 | 16QAM | 75 | 0 | 16.67 | 16.72 | 16.72 | | | |
| Channel | | | | 132022 | 132322 | 132622 | | | |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | | |
| 10 | QPSK | 1 | 0 | 16.49 | 16.67 | 16.64 | | | |
| 10 | QPSK | 1 | 25 | 16.60 | 16.74 | 16.73 | 19.5 | 0 | |
| 10 | QPSK | 1 | 49 | 16.62 | 16.74 | 16.67 | | | |
| 10 | QPSK | 25 | 0 | 16.61 | 16.73 | 16.74 | | | |
| 10 | QPSK | 25 | 12 | 16.61 | | | | | |



Band 38

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel | | | | 37860 | 38000 | 38150 | | |
| Frequency (MHz) | | | | 2580 | 2595 | 2610 | | |
| 20 | QPSK | 1 | 0 | 19.53 | 19.59 | 19.63 | 21 | 0 |
| 20 | QPSK | 1 | 49 | 19.95 | 20.00 | 19.92 | | |
| 20 | QPSK | 1 | 99 | 19.94 | 19.93 | 19.86 | | |
| 20 | QPSK | 50 | 0 | 19.90 | 19.94 | 19.86 | 21 | 0 |
| 20 | QPSK | 50 | 24 | 19.89 | 19.84 | 19.84 | | |
| 20 | QPSK | 50 | 50 | 19.80 | 19.89 | 19.81 | | |
| 20 | QPSK | 100 | 0 | 19.81 | 19.87 | 19.85 | 21 | 0 |
| 20 | 16QAM | 1 | 0 | 19.26 | 19.26 | 19.25 | | |
| 20 | 16QAM | 1 | 49 | 19.81 | 19.64 | 19.66 | | |
| 20 | 16QAM | 1 | 99 | 19.63 | 19.39 | 19.40 | 21 | 0 |
| 20 | 16QAM | 50 | 0 | 19.80 | 19.81 | 19.72 | | |
| 20 | 16QAM | 50 | 24 | 19.84 | 19.83 | 19.70 | | |
| 20 | 16QAM | 50 | 50 | 19.79 | 19.88 | 19.90 | 21 | 0 |
| 20 | 16QAM | 100 | 0 | 19.95 | 19.85 | 19.86 | | |
| 20 | 64QAM | 1 | 0 | 19.66 | 19.54 | 19.73 | | |
| 20 | 64QAM | 1 | 49 | 19.95 | 19.82 | 19.84 | 21 | 0 |
| 20 | 64QAM | 1 | 99 | 19.71 | 19.67 | 19.68 | | |
| 20 | 64QAM | 50 | 0 | 19.81 | 19.74 | 19.76 | | |
| 20 | 64QAM | 50 | 24 | 19.95 | 19.85 | 19.88 | 21 | 0 |
| 20 | 64QAM | 50 | 50 | 19.81 | 19.89 | 19.82 | | |
| 20 | 64QAM | 100 | 0 | 19.96 | 19.86 | 19.88 | | |
| Channel | | | | 37825 | 38000 | 38175 | Tune-up limit | MPR |
| Frequency (MHz) | | | | 2577.5 | 2595 | 2612.5 | (dBm) | (dB) |
| 15 | QPSK | 1 | 0 | 19.44 | 19.55 | 19.56 | 21 | 0 |
| 15 | QPSK | 1 | 37 | 19.90 | 19.96 | 19.88 | | |
| 15 | QPSK | 1 | 74 | 19.84 | 19.85 | 19.81 | | |
| 15 | QPSK | 36 | 0 | 19.80 | 19.89 | 19.78 | 21 | 0 |
| 15 | QPSK | 36 | 20 | 19.81 | 19.75 | 19.77 | | |
| 15 | QPSK | 36 | 39 | 19.70 | 19.86 | 19.75 | | |
| 15 | QPSK | 75 | 0 | 19.72 | 19.81 | 19.76 | 21 | 0 |
| 15 | 16QAM | 1 | 0 | 19.20 | 19.22 | 19.19 | | |
| 15 | 16QAM | 1 | 37 | 19.75 | 19.54 | 19.56 | | |
| 15 | 16QAM | 1 | 74 | 19.55 | 19.36 | 19.32 | 21 | 0 |
| 15 | 16QAM | 36 | 0 | 19.72 | 19.76 | 19.62 | | |
| 15 | 16QAM | 36 | 20 | 19.77 | 19.75 | 19.61 | | |
| 15 | 16QAM | 36 | 39 | 19.69 | 19.83 | 19.80 | 21 | 0 |
| 15 | 16QAM | 75 | 0 | 19.88 | 19.80 | 19.81 | | |
| 15 | 64QAM | 1 | 0 | 19.62 | 19.50 | 19.70 | | |
| 15 | 64QAM | 1 | 37 | 19.87 | 19.73 | 19.77 | 21 | 0 |
| 15 | 64QAM | 1 | 74 | 19.65 | 19.62 | 19.61 | | |
| 15 | 64QAM | 36 | 0 | 19.71 | 19.68 | 19.66 | | |
| 15 | 64QAM | 36 | 20 | 19.89 | 19.75 | 19.82 | 21 | 0 |
| 15 | 64QAM | 36 | 39 | 19.86 | 19.82 | 19.83 | | |
| 15 | 64QAM | 75 | 0 | 19.92 | 19.81 | 19.79 | | |
| Channel | | | | 37800 | 38000 | 38200 | Tune-up limit | MPR |
| Frequency (MHz) | | | | 2575 | 2595 | 2615 | (dBm) | (dB) |
| 10 | QPSK | 1 | 0 | 19.45 | 19.53 | 19.56 | 21 | 0 |
| 10 | QPSK | 1 | 25 | 19.91 | 19.98 | 19.86 | | |
| 10 | QPSK | 1 | 49 | 19.84 | 19.83 | 19.78 | | |
| 10 | QPSK | 25 | 0 | 19.83 | 19.87 | 19.83 | 21 | 0 |
| 10 | QPSK | 25 | 12 | 19.79 | 19.74 | 19.81 | | |
| 10 | QPSK | 25 | 25 | 19.74 | 19.85 | 19.75 | | |
| 10 | QPSK | 50 | 0 | 19.73 | 19.80 | 19.75 | 21 | 0 |
| 10 | 16QAM | 1 | 0 | 19.17 | 19.20 | 19.20 | | |
| 10 | 16QAM | 1 | 25 | 19.73 | 19.60 | 19.60 | | |
| 10 | 16QAM | 1 | 49 | 19.58 | 19.31 | 19.30 | 21 | 0 |
| 10 | 16QAM | 25 | 0 | 19.74 | 19.76 | 19.62 | | |
| 10 | 16QAM | 25 | 12 | 19.81 | 19.78 | 19.66 | | |
| 10 | 16QAM | 25 | 25 | 19.74 | 19.81 | 19.86 | 21 | 0 |
| 10 | 16QAM | 50 | 0 | 19.87 | 19.81 | 19.81 | | |
| 10 | 64QAM | 1 | 0 | 19.63 | 19.50 | 19.66 | | |
| 10 | 64QAM | 1 | 25 | 19.82 | 19.76 | 19.81 | 21 | 0 |
| 10 | 64QAM | 1 | 49 | 19.67 | 19.64 | 19.59 | | |
| 10 | 64QAM | 25 | 0 | 19.75 | 19.67 | 19.72 | | |
| 10 | 64QAM | 25 | 12 | 19.87 | 19.81 | 19.79 | 21 | 0 |
| 10 | 64QAM | 25 | 25 | 19.88 | 19.80 | 19.86 | | |
| 10 | 64QAM | 50 | 0 | 19.89 | 19.82 | 19.81 | | |
| Channel | | | | 37775 | 38000 | 38225 | Tune-up limit | MPR |
| Frequency (MHz) | | | | 2572.5 | 2595 | 2617.5 | (dBm) | (dB) |
| 5 | QPSK | 1 | 0 | 19.46 | 19.54 | 19.53 | 21 | 0 |
| 5 | QPSK | 1 | 12 | 19.91 | 19.94 | 19.88 | | |
| 5 | QPSK | 1 | 24 | 19.86 | 19.84 | 19.78 | | |
| 5 | QPSK | 12 | 0 | 19.85 | 19.89 | 19.78 | 21 | 0 |
| 5 | QPSK | 12 | 7 | 19.86 | 19.81 | 19.81 | | |
| 5 | QPSK | 12 | 13 | 19.71 | 19.79 | 19.78 | | |
| 5 | QPSK | 25 | 0 | 19.74 | 19.81 | 19.80 | 21 | 0 |
| 5 | 16QAM | 1 | 0 | 19.18 | 19.17 | 19.20 | | |
| 5 | 16QAM | 1 | 12 | 19.77 | 19.61 | 19.60 | | |
| 5 | 16QAM | 1 | 24 | 19.58 | 19.29 | 19.36 | 21 | 0 |
| 5 | 16QAM | 12 | 0 | 19.71 | 19.73 | 19.64 | | |
| 5 | 16QAM | 12 | 7 | 19.76 | 19.80 | 19.65 | | |
| 5 | 16QAM | 12 | 13 | 19.72 | 19.80 | 19.81 | 21 | 0 |
| 5 | 16QAM | 25 | 0 | 19.88 | 19.77 | 19.82 | | |
| 5 | 64QAM | 1 | 0 | 19.57 | 19.49 | 19.88 | | |
| 5 | 64QAM | 1 | 12 | 19.91 | 19.73 | 19.80 | 21 | 0 |
| 5 | 64QAM | 1 | 24 | 19.62 | 19.58 | 19.61 | | |
| 5 | 64QAM | 12 | 0 | 19.77 | 19.67 | 19.69 | | |
| 5 | 64QAM | 12 | 7 | 19.90 | 19.77 | 19.82 | 21 | 0 |
| 5 | 64QAM | 12 | 13 | 19.81 | 19.86 | 19.86 | | |
| 5 | 64QAM | 25 | 0 | 19.92 | 19.76 | 19.82 | | |



Reduced Power Mode for Headheld on

| GSM1900 | | Band Average Power (dBm) | | | Tune-up Limit (dBm) | Frame Average Power (dBm) | | | Tune-up Limit (dBm) |
|-----------------|--------|--------------------------|--------|-------|---------------------|---------------------------|--------|-------|---------------------|
| TX Channel | 512 | 661 | 810 | 512 | | 661 | 810 | | |
| Frequency (MHz) | 1650.2 | 1680 | 1609.8 | | 1650.2 | 1680 | 1609.8 | | |
| GSM 1 Tx slots | 29.07 | 29.13 | 29.10 | 30.00 | 20.07 | 20.13 | 20.10 | 21.00 | |
| GPRS 1 Tx slots | 29.11 | 29.18 | 29.16 | 30.00 | 20.11 | 20.18 | 20.16 | 21.00 | |
| GPRS 2 Tx slots | 29.94 | 29.96 | 29.97 | 29.00 | 20.94 | 20.96 | 20.97 | 22.00 | |
| GPRS 3 Tx slots | 24.36 | 24.30 | 24.36 | 25.50 | 20.10 | 20.04 | 20.10 | 21.24 | |
| GPRS 4 Tx slots | 22.78 | 22.97 | 22.78 | 24.00 | 19.78 | 19.97 | 19.78 | 21.00 | |
| EDGE 1 Tx slots | 25.68 | 25.47 | 25.45 | 26.50 | 16.68 | 16.47 | 16.45 | 17.50 | |
| EDGE 2 Tx slots | 23.66 | 23.39 | 23.28 | 24.00 | 17.66 | 17.39 | 17.28 | 18.00 | |
| EDGE 3 Tx slots | 21.16 | 21.29 | 21.28 | 21.50 | 16.90 | 17.03 | 17.02 | 17.24 | |
| EDGE 4 Tx slots | 19.36 | 19.26 | 19.15 | 20.50 | 16.36 | 16.26 | 16.15 | 17.50 | |

| Band | | WCDMA II | | | Tune-up Limit (dBm) | WCDMA IV | | | Tune-up Limit (dBm) |
|-------------------------------|--------|----------|--------|-------|---------------------|----------|-------|-------|---------------------|
| TX Channel | 9262 | 9660 | 9638 | 1312 | | 1413 | 1513 | | |
| Frequency (MHz) | 1852.4 | 1880 | 1907.6 | | 1537 | 1638 | 1738 | | |
| 3GPP Rel 99 AMR 12.2kbps | 20.32 | 20.30 | 20.16 | 21.50 | 19.39 | 19.43 | 19.44 | 20.50 | |
| 3GPP Rel 99 RMC 12.2kbps | 20.39 | 20.45 | 20.43 | 21.50 | 19.61 | 19.62 | 19.51 | 20.50 | |
| 3GPP Rel 6 HSDPA Subtest-1 | 19.49 | 19.33 | 19.55 | 20.50 | 18.54 | 18.43 | 18.34 | 19.50 | |
| 3GPP Rel 6 HSDPA Subtest-2 | 19.42 | 19.47 | 19.50 | 20.50 | 18.48 | 18.62 | 18.59 | 19.50 | |
| 3GPP Rel 6 HSDPA Subtest-3 | 19.01 | 18.95 | 18.91 | 20.00 | 17.98 | 17.99 | 17.99 | 19.00 | |
| 3GPP Rel 6 HSDPA Subtest-4 | 18.92 | 18.06 | 18.96 | 20.00 | 17.79 | 17.84 | 18.05 | 19.00 | |
| 3GPP Rel 6 DC-HSDPA Subtest-1 | 19.46 | 19.33 | 19.44 | 20.50 | 18.48 | 18.38 | 18.33 | 19.50 | |
| 3GPP Rel 6 DC-HSDPA Subtest-2 | 18.35 | 18.41 | 18.51 | 20.50 | 18.40 | 18.61 | 18.59 | 19.50 | |
| 3GPP Rel 6 DC-HSDPA Subtest-3 | 18.79 | 18.85 | 18.93 | 20.00 | 17.82 | 17.81 | 17.82 | 19.00 | |
| 3GPP Rel 6 DC-HSDPA Subtest-4 | 18.97 | 18.93 | 18.93 | 20.00 | 17.97 | 17.87 | 17.84 | 19.00 | |
| 3GPP Rel 6 HSUPA Subtest-1 | 19.37 | 19.51 | 19.54 | 20.50 | 18.44 | 18.52 | 18.71 | 19.50 | |
| 3GPP Rel 6 HSUPA Subtest-2 | 17.43 | 17.48 | 17.42 | 18.50 | 16.49 | 16.53 | 16.65 | 17.50 | |
| 3GPP Rel 6 HSUPA Subtest-3 | 18.43 | 18.49 | 18.54 | 18.50 | 17.52 | 17.54 | 17.62 | 18.50 | |
| 3GPP Rel 6 HSUPA Subtest-4 | 17.30 | 17.50 | 17.67 | 18.50 | 16.40 | 16.45 | 16.65 | 17.50 | |
| 3GPP Rel 6 HSUPA Subtest-5 | 19.53 | 19.58 | 19.64 | 20.50 | 18.45 | 18.43 | 18.58 | 19.50 | |



| Band 2 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 18700 | 18900 | 19100 | | | |
| Frequency (MHz) | | | | 18700 | 18900 | 19100 | | | |
| 20 | QPSK | 1 | 0 | 20.73 | 20.94 | 21.04 | | | |
| 20 | QPSK | 1 | 49 | 20.98 | 21.09 | 20.92 | 22 | 0 | |
| 20 | QPSK | 1 | 99 | 20.89 | 20.99 | 20.87 | | | |
| 20 | QPSK | 50 | 0 | 21.02 | 21.05 | 20.98 | | | |
| 20 | QPSK | 50 | 24 | 20.99 | 21.01 | 20.83 | 22 | 0 | |
| 20 | QPSK | 50 | 50 | 20.93 | 20.96 | 20.88 | | | |
| 20 | QPSK | 100 | 0 | 20.87 | 21.03 | 20.87 | | | |
| 20 | 16QAM | 1 | 0 | 20.88 | 21.00 | 20.88 | | | |
| 20 | 16QAM | 1 | 49 | 20.91 | 20.90 | 20.51 | 22 | 0 | |
| 20 | 16QAM | 1 | 99 | 20.54 | 21.01 | 20.28 | | | |
| 20 | 16QAM | 50 | 0 | 20.91 | 21.02 | 20.85 | | | |
| 20 | 16QAM | 50 | 24 | 20.96 | 21.04 | 20.81 | 22 | 0 | |
| 20 | 16QAM | 50 | 50 | 20.91 | 21.00 | 20.87 | | | |
| 20 | 16QAM | 100 | 0 | 20.86 | 20.99 | 20.83 | | | |
| 20 | 64QAM | 1 | 0 | 20.90 | 21.05 | 20.84 | | | |
| 20 | 64QAM | 1 | 49 | 20.99 | 21.04 | 20.84 | 22 | 0 | |
| 20 | 64QAM | 1 | 99 | 20.86 | 21.05 | 20.85 | | | |
| 20 | 64QAM | 50 | 0 | 19.81 | 19.76 | 19.78 | | | |
| 20 | 64QAM | 50 | 24 | 19.71 | 19.80 | 19.75 | 21 | 1 | |
| 20 | 64QAM | 50 | 50 | 19.72 | 19.66 | 19.83 | | | |
| 20 | 64QAM | 100 | 0 | 19.86 | 19.80 | 19.85 | | | |
| Channel | | | | 18675 | 18900 | 19125 | | | |
| Frequency (MHz) | | | | 18675 | 18900 | 19125 | | | |
| 15 | QPSK | 1 | 0 | 20.68 | 20.90 | 20.94 | | | |
| 15 | QPSK | 1 | 37 | 20.95 | 21.04 | 20.89 | 22 | 0 | |
| 15 | QPSK | 1 | 74 | 20.81 | 20.92 | 20.80 | | | |
| 15 | QPSK | 36 | 0 | 20.93 | 20.97 | 20.89 | 22 | 0 | |
| 15 | QPSK | 36 | 20 | 20.93 | 20.95 | 20.75 | | | |
| 15 | QPSK | 36 | 39 | 20.88 | 20.86 | 20.78 | | | |
| 15 | QPSK | 75 | 0 | 20.77 | 20.98 | 20.78 | | | |
| 15 | 16QAM | 1 | 0 | 20.84 | 20.97 | 20.85 | | | |
| 15 | 16QAM | 1 | 37 | 20.83 | 20.87 | 20.43 | 22 | 0 | |
| 15 | 16QAM | 1 | 74 | 20.51 | 20.92 | 20.25 | | | |
| 15 | 16QAM | 36 | 0 | 20.81 | 20.95 | 20.78 | 22 | 0 | |
| 15 | 16QAM | 36 | 20 | 20.91 | 20.94 | 20.76 | | | |
| 15 | 16QAM | 36 | 39 | 20.83 | 20.96 | 20.79 | | | |
| 15 | 16QAM | 75 | 0 | 20.77 | 20.83 | 20.78 | | | |
| 15 | 64QAM | 1 | 0 | 20.86 | 20.97 | 20.81 | | | |
| 15 | 64QAM | 1 | 37 | 20.89 | 21.01 | 20.76 | 22 | 0 | |
| 15 | 64QAM | 1 | 74 | 20.76 | 21.00 | 20.79 | | | |
| 15 | 64QAM | 36 | 0 | 19.74 | 19.70 | 19.71 | | | |
| 15 | 64QAM | 36 | 20 | 19.65 | 19.85 | 19.71 | 21 | 1 | |
| 15 | 64QAM | 36 | 39 | 19.89 | 19.58 | 19.78 | | | |
| 15 | 64QAM | 75 | 0 | 19.81 | 19.72 | 19.78 | | | |
| Channel | | | | 18550 | 18900 | 19150 | | | |
| Frequency (MHz) | | | | 18550 | 18900 | 19150 | | | |
| 10 | QPSK | 1 | 0 | 20.63 | 20.86 | 20.97 | | | |
| 10 | QPSK | 1 | 25 | 20.95 | 21.03 | 20.85 | 22 | 0 | |
| 10 | QPSK | 1 | 49 | 20.84 | 20.91 | 20.77 | | | |
| 10 | QPSK | 25 | 0 | 20.92 | 20.96 | 20.88 | | | |
| 10 | QPSK | 25 | 12 | 20.93 | 20.97 | 20.79 | 22 | 0 | |
| 10 | QPSK | 25 | 25 | 20.87 | 20.86 | 20.79 | | | |
| 10 | QPSK | 50 | 0 | 20.82 | 20.94 | 20.81 | | | |
| 10 | 16QAM | 1 | 0 | 20.78 | 20.95 | 20.82 | | | |
| 10 | 16QAM | 1 | 25 | 20.88 | 20.80 | 20.42 | 22 | 0 | |
| 10 | 16QAM | 1 | 49 | 20.50 | 20.91 | 20.22 | | | |
| 10 | 16QAM | 25 | 0 | 20.83 | 20.92 | 20.80 | | | |
| 10 | 16QAM | 25 | 12 | 20.86 | 20.99 | 20.76 | 22 | 0 | |
| 10 | 16QAM | 25 | 25 | 20.85 | 20.91 | 20.82 | | | |
| 10 | 16QAM | 50 | 0 | 20.79 | 20.90 | 20.79 | | | |
| 10 | 64QAM | 1 | 0 | 20.87 | 20.98 | 20.75 | 22 | 0 | |
| 10 | 64QAM | 1 | 25 | 20.80 | 21.00 | 20.80 | | | |
| 10 | 64QAM | 1 | 49 | 20.83 | 20.98 | 20.81 | | | |
| 10 | 64QAM | 25 | 0 | 19.78 | 19.72 | 19.70 | | | |
| 10 | 64QAM | 25 | 12 | 19.65 | 19.86 | 19.72 | 21 | 1 | |
| 10 | 64QAM | 25 | 25 | 19.64 | 19.60 | 19.79 | | | |
| 10 | 64QAM | 50 | 0 | 19.81 | 19.77 | 19.82 | | | |
| Channel | | | | 18625 | 18900 | 19175 | | | |
| Frequency (MHz) | | | | 18625 | 18900 | 19175 | | | |
| 5 | QPSK | 1 | 0 | 20.70 | 20.84 | 20.96 | | | |
| 5 | QPSK | 1 | 12 | 20.93 | 21.05 | 20.88 | 22 | 0 | |
| 5 | QPSK | 1 | 24 | 20.81 | 20.91 | 20.78 | | | |
| 5 | QPSK | 12 | 0 | 20.95 | 21.02 | 20.95 | | | |
| 5 | QPSK | 12 | 7 | 20.91 | 20.92 | 20.78 | 22 | 0 | |
| 5 | QPSK | 12 | 13 | 20.89 | 20.92 | 20.82 | | | |
| 5 | QPSK | 25 | 0 | 20.77 | 20.96 | 20.83 | | | |
| 5 | 16QAM | 1 | 0 | 20.81 | 20.92 | 20.78 | | | |
| 5 | 16QAM | 1 | 12 | 20.81 | 20.86 | 20.47 | 22 | 0 | |
| 5 | 16QAM | 1 | 24 | 20.46 | 20.97 | 20.24 | | | |
| 5 | 16QAM | 12 | 0 | 20.82 | 20.94 | 20.78 | | | |
| 5 | 16QAM | 12 | 7 | 20.89 | 20.94 | 20.73 | 22 | 0 | |
| 5 | 16QAM | 12 | 13 | 20.85 | 20.91 | 20.84 | | | |
| 5 | 16QAM | 25 | 0 | 20.78 | 20.90 | 20.76 | | | |
| 5 | 64QAM | 1 | 0 | 20.87 | 21.01 | 20.77 | | | |
| 5 | 64QAM | 1 | 12 | 20.95 | 20.98 | 20.78 | 22 | 0 | |
| 5 | 64QAM | 1 | 24 | 20.77 | 20.96 | 20.82 | | | |
| 5 | 64QAM | 12 | 0 | 19.74 | 19.66 | 19.72 | | | |
| 5 | 64QAM | 12 | 7 | 19.67 | 19.81 | 19.66 | 21 | 1 | |
| 5 | 64QAM | 12 | 13 | 19.66 | 19.82 | 19.75 | | | |
| 5 | 64QAM | 25 | 0 | 19.76 | 19.71 | 19.79 | | | |
| Channel | | | | 18515 | 18900 | 19185 | | | |
| Frequency (MHz) | | | | 18515 | 18900 | 19185 | | | |
| 3 | QPSK | 1 | 0 | 20.70 | 20.89 | 20.99 | | | |
| 3 | QPSK | 1 | 8 | 20.86 | 21.07 | 20.86 | 22 | 0 | |
| 3 | QPSK | 1 | 14 | 20.80 | 20.92 | 20.81 | | | |
| 3 | QPSK | 8 | 0 | 20.94 | 20.95 | 20.95 | | | |
| 3 | QPSK | 8 | 4 | 20.90 | 20.91 | 20.80 | 22 | 0 | |
| 3 | QPSK | 8 | 7 | 20.89 | 20.93 | 20.81 | | | |
| 3 | QPSK | 15 | 0 | 20.84 | 20.97 | 20.80 | | | |
| 3 | 16QAM | 1 | 0 | 20.80 | 20.94 | 20.83 | | | |
| 3 | 16QAM | 1 | 8 | 20.84 | 20.87 | 20.46 | 22 | 0 | |
| 3 | 16QAM | 1 | 14 | 20.46 | 20.93 | 20.21 | | | |
| 3 | 16QAM | 8 | 0 | 20.81 | 20.94 | 20.81 | | | |
| 3 | 16QAM | 8 | 4 | 20.87 | 21.00 | 20.72 | 22 | 0 | |
| 3 | 16QAM | 8 | 7 | 20.88 | 20.94 | 20.79 | | | |
| 3 | 16QAM | 15 | 0 | 20.81 | 20.90 | 20.76 | | | |
| 3 | 64QAM | 1 | 0 | 20.82 | 20.98 | 20.80 | | | |
| 3 | 64QAM | 1 | 8 | 20.95 | 21.00 | 20.78 | 22 | 0 | |
| 3 | 64QAM | 1 | 14 | 20.83 | 20.95 | 20.80 | | | |
| 3 | 64QAM | 8 | 0 | 19.75 | 19.72 | 19.68 | | | |
| 3 | 64QAM | 8 | 4 | 19.68 | 19.81 | 19.71 | 21 | 1 | |
| 3 | 64QAM | 8 | 7 | 19.62 | 19.63 | 19.76 | | | |
| 3 | 64QAM | 15 | 0 | 19.78 | 19.70 | 19.78 | | | |
| Channel | | | | 18507 | 18900 | 19163 | | | |
| Frequency (MHz) | | | | 18507 | 18900 | 19163 | | | |
| 1.4 | QPSK | 1 | 0 | 20.66 | 20.88 | 21.00 | | | |
| 1.4 | QPSK | 1 | 3 | 20.92 | 21.02 | 20.87 | 22 | 0 | |
| 1.4 | QPSK | 1 | 5 | 20.86 | 20.92 | 20.84 | | | |
| 1.4 | QPSK | 3 | 0 | 20.97 | 20.95 | 20.93 | | | |
| 1.4 | QPSK | 3 | 1 | 20.92 | 20.94 | 20.73 | | | |
| 1.4 | QPSK | 3 | 3 | 20.89 | 20.87 | 20.84 | 22 | 0 | |
| 1.4 | QPSK | 6 | 0 | 20.77 | 20.97 | 20.78 | | | |
| 1.4 | 16QAM | 1 | 0 | 20.83 | 20.95 | 20.85 | | | |
| 1.4 | 16QAM | 1 | 3 | 20.83 | 20.86 | 20.42 | 22 | 0 | |
| 1.4 | 16QAM | 1 | 5 | 20.44 | 20.94 | 20.18 | | | |
| 1.4 | 16QAM | 3 | 0 | 20.85 | 20.95 | 20.81 | | | |
| 1.4 | 16QAM | 3 | 1 | 20.91 | 20.96 | 20.78 | | | |
| 1.4 | 16QAM | 3 | 3 | 20.83 | 20.91 | 20.82 | 22 | 0 | |
| 1.4 | 16QAM | 6 | 0 | 20.82 | 20.90 | 20.79 | | | |
| 1.4 | 64QAM | 1 | 0 | 20.87 | 21.00 | 20.75 | | | |
| 1.4 | 64QAM | 1 | 3 | 20.92 | 20.99 | 20.81 | 22 | 0 | |
| 1.4 | 64QAM | 1 | 5 | 20.80 | 21.01 | 20.79 | | | |
| 1.4 | 64QAM | 3 | 0 | 20.89 | 21.02 | 20.80 | | | |
| 1.4 | 64QAM | 3 | 1 | 20.90 | 21.01 | 20.73 | | | |
| 1.4 | 64QAM | 3 | 3 | 20.80 | 21.05 | 20.83 | | | |
| 1.4 | 64QAM | 6 | 0 | 19.83 | 19.71 | 19.80 | 21 | 1 | |

| Band 4 | | | | | | | | | |
|----------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 20050 | | | | | |



| Band 7 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 2510 | 2535 | 2560 | | | |
| Frequency (MHz) | | | | 20850 | 21100 | 21350 | | | |
| 20 | QPSK | 1 | 0 | 20.85 | 20.75 | 20.77 | | | |
| 20 | QPSK | 1 | 49 | 21.20 | 21.09 | 21.15 | 22 | 0 | |
| 20 | QPSK | 1 | 99 | 20.98 | 21.08 | 20.91 | | | |
| 20 | QPSK | 50 | 0 | 21.19 | 21.13 | 21.07 | | | |
| 20 | QPSK | 50 | 24 | 21.07 | 21.06 | 21.01 | 22 | 0 | |
| 20 | QPSK | 50 | 50 | 21.07 | 21.03 | 21.08 | | | |
| 20 | QPSK | 100 | 0 | 21.11 | 21.02 | 21.04 | | | |
| 20 | 16QAM | 1 | 0 | 20.48 | 20.70 | 20.40 | | | |
| 20 | 16QAM | 1 | 49 | 21.02 | 20.70 | 20.65 | 22 | 0 | |
| 20 | 16QAM | 1 | 99 | 20.51 | 20.51 | 20.73 | | | |
| 20 | 16QAM | 50 | 0 | 21.08 | 21.03 | 21.11 | | | |
| 20 | 16QAM | 50 | 24 | 21.18 | 21.14 | 21.16 | 22 | 0 | |
| 20 | 16QAM | 50 | 50 | 21.12 | 21.18 | 21.14 | | | |
| 20 | 16QAM | 100 | 0 | 21.03 | 21.05 | 21.07 | | | |
| 20 | 64QAM | 1 | 0 | 20.84 | 20.80 | 20.65 | | | |
| 20 | 64QAM | 1 | 49 | 20.99 | 20.49 | 20.76 | 22 | 0 | |
| 20 | 64QAM | 1 | 99 | 20.54 | 20.65 | 20.66 | | | |
| 20 | 64QAM | 50 | 0 | 20.00 | 20.10 | 20.22 | | | |
| 20 | 64QAM | 50 | 24 | 19.92 | 20.15 | 20.13 | 21 | 1 | |
| 20 | 64QAM | 50 | 50 | 19.90 | 20.28 | 20.30 | | | |
| 20 | 64QAM | 100 | 0 | 19.95 | 20.24 | 20.22 | | | |
| Channel | | | | 20825 | 21100 | 21375 | | | |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | | |
| 15 | QPSK | 1 | 0 | 20.35 | 20.42 | 20.47 | | | |
| 15 | QPSK | 1 | 37 | 20.91 | 20.84 | 20.87 | 22 | 0 | |
| 15 | QPSK | 1 | 74 | 20.65 | 20.77 | 20.56 | | | |
| 15 | QPSK | 36 | 0 | 20.92 | 20.96 | 20.77 | | | |
| 15 | QPSK | 36 | 20 | 20.75 | 20.72 | 20.71 | 22 | 0 | |
| 15 | QPSK | 36 | 39 | 20.78 | 20.76 | 20.82 | | | |
| 15 | QPSK | 75 | 0 | 20.81 | 20.68 | 20.77 | | | |
| 15 | 16QAM | 1 | 0 | 20.16 | 20.44 | 20.06 | | | |
| 15 | 16QAM | 1 | 37 | 20.73 | 20.42 | 20.30 | 22 | 0 | |
| 15 | 16QAM | 1 | 74 | 20.18 | 20.20 | 20.39 | | | |
| 15 | 16QAM | 36 | 0 | 20.81 | 20.75 | 20.84 | | | |
| 15 | 16QAM | 36 | 20 | 20.83 | 20.86 | 20.81 | 22 | 0 | |
| 15 | 16QAM | 36 | 39 | 20.80 | 20.85 | 20.85 | | | |
| 15 | 16QAM | 75 | 0 | 20.76 | 20.77 | 20.75 | | | |
| 15 | 64QAM | 1 | 0 | 20.58 | 20.48 | 20.32 | | | |
| 15 | 64QAM | 1 | 37 | 20.73 | 20.20 | 20.49 | 22 | 0 | |
| 15 | 64QAM | 1 | 74 | 20.24 | 20.34 | 20.35 | | | |
| 15 | 64QAM | 36 | 0 | 19.74 | 19.78 | 19.91 | | | |
| 15 | 64QAM | 36 | 20 | 19.62 | 19.83 | 19.79 | 21 | 1 | |
| 15 | 64QAM | 36 | 39 | 19.62 | 19.83 | 20.01 | | | |
| 15 | 64QAM | 75 | 0 | 19.64 | 19.93 | 19.89 | | | |
| Channel | | | | 23800 | 24100 | 24400 | | | |
| Frequency (MHz) | | | | 2505 | 2536 | 2566 | | | |
| 10 | QPSK | 1 | 0 | 20.35 | 20.43 | 20.42 | | | |
| 10 | QPSK | 1 | 25 | 20.93 | 20.84 | 20.87 | 22 | 0 | |
| 10 | QPSK | 1 | 49 | 20.63 | 20.77 | 20.65 | | | |
| 10 | QPSK | 25 | 0 | 20.85 | 20.81 | 20.74 | | | |
| 10 | QPSK | 25 | 12 | 20.77 | 20.74 | 20.66 | 22 | 0 | |
| 10 | QPSK | 25 | 25 | 20.80 | 20.75 | 20.82 | | | |
| 10 | QPSK | 50 | 0 | 20.85 | 20.70 | 20.75 | | | |
| 10 | 16QAM | 1 | 0 | 20.14 | 20.44 | 20.09 | | | |
| 10 | 16QAM | 1 | 25 | 20.70 | 20.39 | 20.32 | 22 | 0 | |
| 10 | 16QAM | 1 | 49 | 20.24 | 20.18 | 20.40 | | | |
| 10 | 16QAM | 25 | 0 | 20.81 | 20.72 | 20.81 | | | |
| 10 | 16QAM | 25 | 12 | 20.85 | 20.86 | 20.86 | 22 | 0 | |
| 10 | 16QAM | 25 | 25 | 20.86 | 20.92 | 20.81 | | | |
| 10 | 16QAM | 50 | 0 | 20.76 | 20.79 | 20.76 | | | |
| 10 | 64QAM | 1 | 0 | 20.50 | 20.45 | 20.35 | 22 | 0 | |
| 10 | 64QAM | 1 | 25 | 20.68 | 20.22 | 20.50 | | | |
| 10 | 64QAM | 1 | 49 | 20.27 | 20.38 | 20.36 | | | |
| 10 | 64QAM | 25 | 0 | 19.65 | 19.78 | 19.96 | | | |
| 10 | 64QAM | 25 | 12 | 19.58 | 19.83 | 19.85 | 21 | 1 | |
| 10 | 64QAM | 25 | 25 | 19.61 | 19.97 | 19.98 | | | |
| 10 | 64QAM | 50 | 0 | 19.62 | 19.91 | 19.90 | | | |
| Channel | | | | 20775 | 21100 | 21425 | | | |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | | |
| 5 | QPSK | 1 | 0 | 20.36 | 20.42 | 20.42 | | | |
| 5 | QPSK | 1 | 12 | 20.93 | 20.79 | 20.87 | 22 | 0 | |
| 5 | QPSK | 1 | 24 | 20.72 | 20.76 | 20.64 | | | |
| 5 | QPSK | 12 | 0 | 20.87 | 20.87 | 20.81 | | | |
| 5 | QPSK | 12 | 7 | 20.78 | 20.80 | 20.68 | 22 | 0 | |
| 5 | QPSK | 12 | 13 | 20.78 | 20.69 | 20.81 | | | |
| 5 | QPSK | 25 | 0 | 20.76 | 20.76 | 20.72 | | | |
| 5 | 16QAM | 1 | 0 | 20.16 | 20.36 | 20.09 | | | |
| 5 | 16QAM | 1 | 12 | 20.70 | 20.41 | 20.34 | 22 | 0 | |
| 5 | 16QAM | 1 | 24 | 20.21 | 20.23 | 20.45 | | | |
| 5 | 16QAM | 12 | 0 | 20.75 | 20.70 | 20.85 | | | |
| 5 | 16QAM | 12 | 7 | 20.83 | 20.83 | 20.89 | 22 | 0 | |
| 5 | 16QAM | 12 | 13 | 20.77 | 20.85 | 20.85 | | | |
| 5 | 16QAM | 25 | 0 | 20.68 | 20.72 | 20.77 | | | |
| 5 | 64QAM | 1 | 0 | 20.55 | 20.45 | 20.39 | | | |
| 5 | 64QAM | 1 | 12 | 20.69 | 20.18 | 20.41 | 22 | 0 | |
| 5 | 64QAM | 1 | 24 | 20.26 | 20.33 | 20.36 | | | |
| 5 | 64QAM | 12 | 0 | 19.67 | 19.77 | 19.86 | | | |
| 5 | 64QAM | 12 | 7 | 19.63 | 19.80 | 19.83 | 21 | 1 | |
| 5 | 64QAM | 12 | 13 | 19.58 | 19.93 | 19.97 | | | |
| 5 | 64QAM | 25 | 0 | 19.62 | 19.95 | 19.91 | | | |

| Band 66 | | | | | | | | | |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) | |
| Channel | | | | 132072 | 132322 | 132572 | | | |
| Frequency (MHz) | | | | 1722 | 1745 | 1770 | | | |
| 20 | QPSK | 1 | 1 | 20.89 | 21.03 | 20.97 | | | |
| 20 | QPSK | 1 | 49 | 20.97 | 21.12 | 21.04 | 21.5 | 0 | |
| 20 | QPSK | 1 | 99 | 20.96 | 21.10 | 20.99 | | | |
| 20 | QPSK | 50 | 0 | 20.91 | 21.07 | 21.05 | | | |
| 20 | QPSK | 50 | 24 | 20.88 | 21.05 | 21.01 | 21.5 | 0 | |
| 20 | QPSK | 50 | 50 | 20.83 | 21.04 | 21.01 | | | |
| 20 | QPSK | 100 | 0 | 20.95 | 21.03 | 21.00 | | | |
| 20 | 16QAM | 1 | 0 | 20.74 | 20.52 | 20.85 | | | |
| 20 | 16QAM | 1 | 49 | 21.03 | 21.10 | 20.98 | 21.5 | 0 | |
| 20 | 16QAM | 1 | 99 | 21.07 | 21.05 | 20.72 | | | |
| 20 | 16QAM | 50 | 0 | 20.98 | 21.01 | 21.02 | | | |
| 20 | 16QAM | 50 | 24 | 21.10 | 21.11 | 21.07 | 21.5 | 0 | |
| 20 | 16QAM | 50 | 50 | 21.04 | 21.07 | 21.05 | | | |
| 20 | 16QAM | 100 | 0 | 21.00 | 21.10 | 21.03 | | | |
| 20 | 64QAM | 1 | 0 | 20.40 | 21.09 | 20.65 | | | |
| 20 | 64QAM | 1 | 49 | 20.77 | 21.08 | 20.83 | 21.5 | 0 | |
| 20 | 64QAM | 1 | 99 | 20.97 | 20.84 | 20.78 | | | |
| 20 | 64QAM | 50 | 0 | 19.83 | 20.27 | 20.04 | | | |
| 20 | 64QAM | 50 | 24 | 20.03 | 20.09 | 20.03 | 21 | 0.5 | |
| 20 | 64QAM | 50 | 50 | 20.00 | 20.14 | 19.98 | | | |
| 20 | 64QAM | 100 | 0 | 20.14 | 20.24 | 20.15 | | | |
| Channel | | | | 132047 | 132322 | 132597 | | | |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | | |
| 15 | QPSK | 1 | 0 | 20.79 | 20.93 | 20.84 | | | |
| 15 | QPSK | 1 | 37 | 20.94 | 21.08 | 20.98 | 21.5 | 0 | |
| 15 | QPSK | 1 | 74 | 20.91 | 21.06 | 20.93 | | | |
| 15 | QPSK | 36 | 0 | 20.86 | 20.98 | 20.97 | | | |
| 15 | QPSK | 36 | 20 | 20.78 | 20.96 | 20.91 | 21.5 | 0 | |
| 15 | QPSK | 36 | 39 | 20.74 | 21.01 | 20.96 | | | |
| 15 | QPSK | 75 | 0 | 20.90 | 20.98 | 20.92 | | | |
| 15 | 16QAM | 1 | 0 | 20.69 | 20.86 | 20.77 | | | |
| 15 | 16QAM | 1 | 37 | 21.00 | 21.04 | 20.92 | 21.5 | 0 | |
| 15 | 16QAM | 1 | 74 | 21.04 | 20.99 | 20.88 | | | |
| 15 | 16QAM | 36 | 0 | 20.94 | 20.91 | 20.97 | | | |
| 15 | 16QAM | 36 | 20 | 21.03 | 21.06 | 20.97 | 21.5 | 0 | |
| 15 | 16QAM | 36 | 39 | 21.00 | 20.99 | 21.02 | | | |
| 15 | 16QAM | 75 | 0 | 20.96 | 21.01 | 20.94 | | | |
| 15 | 64QAM | 1 | 0 | 20.31 | 21.01 | 20.60 | | | |
| 15 | 64QAM | 1 | 37 | 20.67 | 21.02 | 20.59 | 21.5 | 0 | |
| 15 | 64QAM | 1 | 74 | 20.92 | 20.89 | 20.70 | | | |
| 15 | 64QAM | 36 | 0 | 19.89 | 20.23 | 19.97 | | | |
| 15 | 64QAM | 36 | 20 | 19.99 | 20.01 | 20.00 | 21 | 0.5 | |
| 15 | 64QAM | 36 | 39 | 19.83 | 20.04 | 19.89 | | | |
| 15 | 64QAM | 75 | 0 | 1 | | | | | |



Full Power

| 2.4GHz WLAN | | | | Ant 3 | | |
|-------------------|---------|-----------------|---------------------|---------------|--------------|--|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % | |
| 802.11b 1Mbps | 1 | 2412 | 19.04 | 21.00 | 98.61 | |
| | 6 | 2437 | 19.14 | 21.00 | | |
| | 11 | 2462 | 19.01 | 21.00 | | |
| 802.11g 6Mbps | 1 | 2412 | 17.06 | 19.00 | 98.26 | |
| | 6 | 2437 | 19.26 | 21.00 | | |
| | 11 | 2462 | 16.67 | 18.50 | | |
| 802.11n-HT20 MCS0 | 1 | 2412 | 15.77 | 17.50 | 98.14 | |
| | 2 | 2417 | 18.47 | 20.00 | | |
| | 6 | 2437 | 19.09 | 20.50 | | |
| | 10 | 2457 | 17.89 | 19.50 | | |
| | 11 | 2482 | 15.54 | 17.00 | | |
| 802.11n-HT40 MCS0 | 3 | 2422 | 13.95 | 15.50 | 94.89 | |
| | 4 | 2427 | 14.58 | 16.00 | | |
| | 5 | 2432 | 16.00 | 17.50 | | |
| | 6 | 2437 | 17.50 | 19.00 | | |
| | 7 | 2442 | 17.54 | 19.00 | | |
| | 8 | 2447 | 15.53 | 17.00 | | |
| | 9 | 2452 | 13.22 | 15.00 | | |

| 5.2GHz WLAN | | | | Ant 3 | | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|--|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % | |
| 802.11a 6Mbps | 36 | 5180 | 16.01 | 18.00 | 98.26 | |
| | 40 | 5200 | 18.00 | 19.50 | | |
| | 44 | 5220 | 18.29 | 19.50 | | |
| | 48 | 5240 | 18.20 | 19.50 | | |
| 802.11n-HT20 MCS0 | 36 | 5180 | 16.49 | 18.00 | 98.14 | |
| | 40 | 5200 | 17.97 | 19.50 | | |
| | 44 | 5220 | 16.25 | 19.50 | | |
| | 48 | 5240 | 18.04 | 19.50 | | |
| 802.11n-HT40 MCS0 | 38 | 5190 | 13.29 | 15.00 | 96.30 | |
| | 46 | 5230 | 17.90 | 19.50 | | |
| 802.11ac-VHT20 MCS0 | 38 | 5180 | 16.53 | 18.00 | 98.15 | |
| | 40 | 5200 | 17.93 | 19.50 | | |
| | 44 | 5220 | 18.28 | 19.50 | | |
| 802.11ac-VHT40 MCS0 | 38 | 5190 | 13.33 | 15.00 | 96.30 | |
| | 46 | 5230 | 18.07 | 19.50 | | |
| 802.11ac-VHT80 MCS0 | 42 | 5210 | 11.11 | 13.00 | 92.71 | |

| 5.3GHz WLAN | | | | Ant 3 | | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|--|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % | |
| 802.11a 6Mbps | 52 | 5260 | 18.39 | 19.50 | 98.26 | |
| | 56 | 5280 | 18.48 | 19.50 | | |
| | 60 | 5300 | 18.54 | 19.50 | | |
| | 64 | 5320 | 18.34 | 19.50 | | |
| 802.11n-HT20 MCS0 | 52 | 5260 | 18.39 | 19.50 | 98.14 | |
| | 56 | 5280 | 18.32 | 19.50 | | |
| | 60 | 5300 | 18.38 | 19.50 | | |
| | 64 | 5320 | 18.33 | 19.50 | | |
| 802.11n-HT40 MCS0 | 54 | 5270 | 18.18 | 19.50 | 96.30 | |
| | 62 | 5310 | 14.34 | 16.00 | | |
| 802.11ac-VHT20 MCS0 | 52 | 5260 | 18.43 | 19.50 | 98.15 | |
| | 56 | 5280 | 18.38 | 19.50 | | |
| | 60 | 5300 | 18.52 | 19.50 | | |
| 802.11ac-VHT40 MCS0 | 54 | 5270 | 18.27 | 19.50 | 96.30 | |
| | 62 | 5310 | 14.45 | 16.00 | | |
| 802.11ac-VHT80 MCS0 | 58 | 5290 | 11.95 | 13.50 | 92.71 | |

| 5.5GHz WLAN | | | | Ant 3 | | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|-------|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % | |
| 802.11a 6Mbps | 100 | 5500 | 18.22 | 19.50 | 98.26 | |
| | 116 | 5580 | 18.23 | 19.50 | | |
| | 124 | 5620 | 17.94 | 19.50 | | |
| | 132 | 5660 | 17.98 | 19.50 | | |
| | 140 | 5700 | 16.85 | 18.50 | | |
| | 144 | 5720 | 18.02 | 19.50 | | |
| 802.11n-HT20 MCS0 | 100 | 5500 | 18.10 | 19.50 | 98.14 | |
| | 116 | 5580 | 18.01 | 19.50 | | |
| | 124 | 5620 | 17.80 | 19.50 | | |
| | 132 | 5660 | 17.84 | 19.50 | | |
| | 140 | 5700 | 17.73 | 19.50 | | |
| | 144 | 5720 | 17.79 | 19.50 | | |
| 802.11n-HT40 MCS0 | 102 | 5510 | 15.15 | 17.00 | 96.30 | |
| | 110 | 5550 | 17.79 | 19.50 | | |
| | 126 | 5630 | 17.76 | 19.50 | | |
| | 134 | 5670 | 16.77 | 18.50 | | |
| | 142 | 5710 | 17.71 | 19.50 | | |
| | 100 | 5500 | 18.11 | 19.50 | | 98.15 |
| 116 | 5580 | 18.02 | 19.50 | | | |
| 124 | 5620 | 17.86 | 19.50 | | | |
| 132 | 5660 | 17.89 | 19.50 | | | |
| 140 | 5700 | 17.84 | 19.50 | | | |
| 144 | 5720 | 17.82 | 19.50 | | | |
| 802.11ac-VHT40 MCS0 | 102 | 5510 | 15.24 | 17.00 | 96.30 | |
| | 110 | 5550 | 17.92 | 19.50 | | |
| | 126 | 5630 | 17.81 | 19.50 | | |
| | 134 | 5670 | 16.81 | 18.50 | | |
| 802.11ac-VHT80 MCS0 | 142 | 5710 | 17.77 | 19.50 | 92.71 | |
| | 106 | 5530 | 12.52 | 14.50 | | |
| | 122 | 5610 | 17.76 | 19.50 | | |
| 138 | 5690 | 17.60 | 19.50 | | | |

| 5.8GHz WLAN | | | | Ant 3 | | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|--|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % | |
| 802.11a 6Mbps | 149 | 5745 | 17.91 | 19.50 | 98.26 | |
| | 157 | 5785 | 18.09 | 19.50 | | |
| | 165 | 5825 | 18.10 | 19.50 | | |
| 802.11n-HT20 MCS0 | 149 | 5745 | 17.83 | 19.50 | 98.14 | |
| | 157 | 5785 | 17.84 | 19.50 | | |
| | 165 | 5825 | 17.95 | 19.50 | | |
| 802.11n-HT40 MCS0 | 151 | 5755 | 17.62 | 19.50 | 96.30 | |
| | 159 | 5795 | 17.67 | 19.50 | | |
| 802.11ac-VHT20 MCS0 | 149 | 5745 | 17.91 | 19.50 | 98.15 | |
| | 157 | 5785 | 17.94 | 19.50 | | |
| 802.11ac-VHT40 MCS0 | 165 | 5825 | 17.99 | 19.50 | 96.30 | |
| | 151 | 5755 | 17.77 | 19.50 | | |
| 802.11ac-VHT80 MCS0 | 159 | 5795 | 17.73 | 19.50 | 92.71 | |



Reduced Power Mode for receiver on

| 5.2GHz WLAN | | | | Ant 3 | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps | 36 | 5180 | 16.01 | 18.00 | 98.26 |
| | 40 | 5200 | 17.09 | 18.50 | |
| | 44 | 5220 | 17.23 | 18.50 | |
| 802.11n-HT20 MCS0 | 36 | 5180 | 16.49 | 18.00 | 98.14 |
| | 40 | 5200 | 17.05 | 18.50 | |
| | 44 | 5220 | 17.21 | 18.50 | |
| 802.11n-HT40 MCS0 | 36 | 5180 | 13.29 | 15.00 | 96.30 |
| | 40 | 5200 | 16.50 | 18.50 | |
| | 44 | 5220 | 17.04 | 18.50 | |
| 802.11ac-VHT20 MCS0 | 36 | 5180 | 16.53 | 18.00 | 98.15 |
| | 40 | 5200 | 16.96 | 18.50 | |
| | 44 | 5220 | 17.21 | 18.50 | |
| 802.11ac-VHT40 MCS0 | 36 | 5180 | 13.33 | 15.00 | 96.30 |
| | 40 | 5200 | 17.07 | 18.50 | |
| | 42 | 5210 | 11.11 | 13.00 | |

| 5.3GHz WLAN | | | | Ant 3 | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps | 52 | 5280 | 17.39 | 18.50 | 98.26 |
| | 56 | 5280 | 17.36 | 18.50 | |
| | 60 | 5300 | 17.42 | 18.50 | |
| | 64 | 5320 | 17.34 | 18.50 | |
| 802.11n-HT20 MCS0 | 52 | 5280 | 17.39 | 18.50 | 98.14 |
| | 56 | 5280 | 17.32 | 18.50 | |
| | 60 | 5300 | 17.38 | 18.50 | |
| | 64 | 5320 | 17.33 | 18.50 | |
| 802.11n-HT40 MCS0 | 54 | 5270 | 17.15 | 18.50 | 96.30 |
| | 62 | 5310 | 14.34 | 16.00 | |
| 802.11ac-VHT20 MCS0 | 52 | 5280 | 17.31 | 18.50 | 98.15 |
| | 56 | 5280 | 17.36 | 18.50 | |
| | 60 | 5300 | 17.35 | 18.50 | |
| | 64 | 5320 | 17.16 | 18.50 | |
| 802.11ac-VHT40 MCS0 | 54 | 5270 | 17.21 | 18.50 | 96.30 |
| | 62 | 5310 | 14.45 | 16.00 | |
| 802.11ac-VHT80 MCS0 | 58 | 5290 | 11.95 | 13.50 | 92.71 |

| 5.5GHz WLAN | | | | Ant 3 | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps | 100 | 5500 | 14.10 | 15.50 | 98.26 |
| | 116 | 5580 | 14.13 | 15.50 | |
| | 124 | 5620 | 13.84 | 15.50 | |
| | 132 | 5660 | 13.98 | 15.50 | |
| | 140 | 5700 | 13.85 | 15.50 | |
| | 144 | 5720 | 14.02 | 15.50 | |
| 802.11n-HT20 MCS0 | 100 | 5500 | 14.10 | 15.50 | 98.14 |
| | 116 | 5580 | 14.01 | 15.50 | |
| | 124 | 5620 | 13.80 | 15.50 | |
| | 132 | 5660 | 13.84 | 15.50 | |
| | 140 | 5700 | 13.73 | 15.50 | |
| | 144 | 5720 | 13.79 | 15.50 | |
| 802.11n-HT40 MCS0 | 102 | 5510 | 13.81 | 15.50 | 96.30 |
| | 110 | 5550 | 13.95 | 15.50 | |
| | 126 | 5630 | 13.84 | 15.50 | |
| | 134 | 5670 | 13.77 | 15.50 | |
| | 142 | 5710 | 13.71 | 15.50 | |
| | 100 | 5500 | 14.01 | 15.50 | |
| 802.11ac-VHT20 MCS0 | 116 | 5580 | 14.02 | 15.50 | 98.15 |
| | 124 | 5620 | 13.86 | 15.50 | |
| | 132 | 5660 | 13.89 | 15.50 | |
| | 140 | 5700 | 13.84 | 15.50 | |
| | 144 | 5720 | 13.82 | 15.50 | |
| | 102 | 5510 | 13.82 | 15.50 | |
| 802.11ac-VHT40 MCS0 | 110 | 5550 | 13.92 | 15.50 | 96.30 |
| | 126 | 5630 | 13.81 | 15.50 | |
| | 134 | 5670 | 13.89 | 15.50 | |
| | 142 | 5710 | 13.77 | 15.50 | |
| | 106 | 5530 | 12.52 | 14.50 | |
| | 122 | 5610 | 13.76 | 15.50 | |
| 802.11ac-VHT80 MCS0 | 138 | 5680 | 13.60 | 15.50 | 92.71 |

| 5.8GHz WLAN | | | | Ant 3 | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 802.11a 6Mbps | 149 | 5745 | 14.89 | 16.50 | 98.26 |
| | 157 | 5785 | 15.06 | 16.50 | |
| | 165 | 5825 | 15.09 | 16.50 | |
| 802.11n-HT20 MCS0 | 149 | 5745 | 14.74 | 16.50 | 98.14 |
| | 157 | 5785 | 14.94 | 16.50 | |
| | 165 | 5825 | 14.95 | 16.50 | |
| 802.11n-HT40 MCS0 | 151 | 5755 | 14.62 | 16.50 | 96.30 |
| 802.11ac-VHT20 MCS0 | 159 | 5795 | 14.67 | 16.50 | 98.15 |
| | 149 | 5745 | 14.98 | 16.50 | |
| | 157 | 5785 | 14.96 | 16.50 | |
| 802.11ac-VHT40 MCS0 | 165 | 5825 | 14.94 | 16.50 | 96.30 |
| | 151 | 5755 | 14.77 | 16.50 | |
| 802.11ac-VHT80 MCS0 | 155 | 5775 | 14.78 | 16.50 | 92.71 |



Reduced Power Mode for Hotspot on

| 5.2GHz WLAN | | | | Ant 3 | | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|--|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % | |
| 802.11a 6Mbps | 36 | 5180 | 16.61 | 18.00 | 98.26 | |
| | 40 | 5200 | 17.60 | 18.50 | | |
| | 44 | 5220 | 17.25 | 18.50 | | |
| | 48 | 5240 | 17.18 | 18.50 | | |
| 802.11n-HT20 MCS0 | 36 | 5180 | 16.49 | 18.00 | 98.14 | |
| | 40 | 5200 | 16.97 | 18.50 | | |
| | 44 | 5220 | 17.23 | 18.50 | | |
| | 48 | 5240 | 16.98 | 18.50 | | |
| 802.11n-HT40 MCS0 | 36 | 5180 | 13.29 | 15.00 | 96.30 | |
| | 46 | 5230 | 16.90 | 18.50 | | |
| 802.11ac-VHT20 MCS0 | 36 | 5180 | 16.53 | 18.00 | 98.15 | |
| | 40 | 5200 | 16.91 | 18.50 | | |
| | 44 | 5220 | 17.23 | 18.50 | | |
| | 48 | 5240 | 17.14 | 18.50 | | |
| 802.11ac-VHT40 MCS0 | 38 | 5190 | 13.33 | 15.00 | 96.30 | |
| | 46 | 5230 | 17.02 | 18.50 | | |
| 802.11ac-VHT80 MCS0 | 42 | 5210 | 11.11 | 13.00 | 92.71 | |

| 5.8GHz WLAN | | | | Ant 3 | | |
|---------------------|---------|-----------------|---------------------|---------------|--------------|--|
| Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Duty Cycle % | |
| 802.11a 6Mbps | 149 | 5745 | 15.50 | 17.00 | 98.26 | |
| | 157 | 5785 | 15.48 | 17.00 | | |
| | 165 | 5825 | 15.54 | 17.00 | | |
| 802.11n-HT20 MCS0 | 149 | 5745 | 15.33 | 17.00 | 98.14 | |
| | 157 | 5785 | 15.32 | 17.00 | | |
| | 165 | 5825 | 15.29 | 17.00 | | |
| 802.11n-HT40 MCS0 | 151 | 5755 | 15.12 | 17.00 | 96.30 | |
| | 159 | 5795 | 15.16 | 17.00 | | |
| | 149 | 5745 | 15.37 | 17.00 | | |
| 802.11ac-VHT20 MCS0 | 157 | 5785 | 15.51 | 17.00 | 98.15 | |
| | 165 | 5822 | 15.53 | 17.00 | | |
| | 151 | 5755 | 15.27 | 17.00 | | |
| 802.11ac-VHT40 MCS0 | 159 | 5795 | 15.23 | 17.00 | 96.30 | |
| 802.11ac-VHT80 MCS0 | 155 | 5775 | 15.33 | 17.00 | 92.71 | |



BT BR/EDR

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | | | | | | | | Tune-up Limit |
|-----------|---------|-----------------|---------------------|-------|-------|-------|------|------|-------|------|------|---------------|
| | | | Packet Type | | | | | | | | | |
| | | | DH1 | DH3 | DH5 | 2DH1 | 2DH3 | 2DH5 | 3DH1 | 3DH3 | 3DH5 | |
| Bluetooth | CH 0 | 2402 | 11.61 | 11.91 | 12.28 | 9.62 | 9.15 | 9.09 | 9.28 | 8.99 | 8.95 | 13.5 |
| | CH 39 | 2441 | 12.42 | 12.86 | 12.90 | 10.33 | 9.88 | 9.64 | 10.38 | 9.92 | 9.62 | |
| | CH 78 | 2480 | 11.47 | 11.71 | 11.85 | 9.53 | 8.72 | 8.67 | 9.48 | 8.74 | 8.57 | |
| | | | | | | | | | | | | |

BT LE

| Mode | Channel | Frequency (MHz) | Average power (dBm) |
|------|---------------|-----------------|---------------------|
| | | | GFSK |
| LE | CH 00 | 2402 | 6.79 |
| | CH 19 | 2440 | 7.84 |
| | CH 39 | 2480 | 6.37 |
| | Tune-up Limit | | 8.5 |