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**Glossary:**

| | |
|---|---|
| TSL | tissue simulating liquid |
| NORMx,y,z | sensitivity in free space |
| ConvF | sensitivity in TSL / NORMx,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), i θ=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:**

- *NORMx,y,z:* Assessed for E-field polarization θ=0 (f≤900MHz in TEM-cell; f>1800MHz: waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not effect the $E^2$-field uncertainty inside TSL (see below ConvF).
- *NORM(f)x,y,z = NORMx,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.
- *DCPx,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.
- *Ax,y,z; Bx,y,z; Cx,y,z;VRx,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≤800MHz) and inside waveguide using analytical field distributions based on power measurements for f >800MHz. 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 NORMx,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±50MHz to±100MHz.
- *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 *NORMx* (no uncertainty required).

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# DASY/EASY – Parameters of Probe: EX3DV4 – SN:3748

## Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (*k*=2) |
|---|---|---|---|---|
| Norm(μV/(V/m)²)[A] | 0.40 | 0.51 | 0.44 | ±10.0% |
| DCP(mV)[B] | 103.3 | 101.2 | 101.9 | |

## Modulation Calibration Parameters

| UID | Communication System Name | | A dB | B dB√μV | C | D dB | VR mV | Unc[E] (*k*=2) |
|---|---|---|---|---|---|---|---|---|
| 0 | CW | X | 0.0 | 0.0 | 1.0 | 0.00 | 156.9 | ±2.1% |
| | | Y | 0.0 | 0.0 | 1.0 | | 181.6 | |
| | | Z | 0.0 | 0.0 | 1.0 | | 161.7 | |

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 $E^2$-field uncertainty inside TSL (see Page 4).
[B] Numerical linearization parameter: uncertainty not required.
[E] Uncertainly 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:3748

## 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 | 9.15 | 9.15 | 9.15 | 0.40 | 0.80 | ±12.1% |
| 835 | 41.5 | 0.90 | 8.80 | 8.80 | 8.80 | 0.20 | 1.20 | ±12.1% |
| 1750 | 40.1 | 1.37 | 7.68 | 7.68 | 7.68 | 0.25 | 1.00 | ±12.1% |
| 1900 | 40.0 | 1.40 | 7.35 | 7.35 | 7.35 | 0.25 | 1.08 | ±12.1% |
| 2100 | 39.8 | 1.49 | 7.33 | 7.33 | 7.33 | 0.23 | 1.17 | ±12.1% |
| 2300 | 39.5 | 1.67 | 7.19 | 7.19 | 7.19 | 0.58 | 0.70 | ±12.1% |
| 2450 | 39.2 | 1.80 | 7.00 | 7.00 | 7.00 | 0.60 | 0.71 | ±12.1% |
| 2600 | 39.0 | 1.96 | 6.79 | 6.79 | 6.79 | 0.66 | 0.68 | ±12.1% |
| 3500 | 37.9 | 2.91 | 6.14 | 6.14 | 6.14 | 0.47 | 0.97 | ±13.3% |
| 3700 | 37.7 | 3.12 | 5.95 | 5.95 | 5.95 | 0.46 | 0.96 | ±13.3% |
| 3900 | 37.5 | 3.32 | 6.06 | 6.06 | 6.06 | 0.40 | 1.15 | ±13.3% |
| 4100 | 37.2 | 3.53 | 5.94 | 5.94 | 5.94 | 0.40 | 1.20 | ±13.3% |
| 4200 | 37.1 | 3.63 | 5.85 | 5.85 | 5.85 | 0.40 | 1.25 | ±13.3% |
| 4400 | 36.9 | 3.84 | 5.76 | 5.76 | 5.76 | 0.40 | 1.23 | ±13.3% |
| 4600 | 36.7 | 4.04 | 5.66 | 5.66 | 5.66 | 0.40 | 1.35 | ±13.3% |
| 4800 | 36.4 | 4.25 | 5.60 | 5.60 | 5.60 | 0.40 | 1.45 | ±13.3% |
| 4950 | 36.3 | 4.40 | 5.32 | 5.32 | 5.32 | 0.40 | 1.45 | ±13.3% |
| 5250 | 35.9 | 4.71 | 5.05 | 5.05 | 5.05 | 0.40 | 1.50 | ±13.3% |
| 5600 | 35.5 | 5.07 | 4.64 | 4.64 | 4.64 | 0.45 | 1.45 | ±13.3% |
| 5750 | 35.4 | 5.22 | 4.70 | 4.70 | 4.70 | 0.45 | 1.50 | ±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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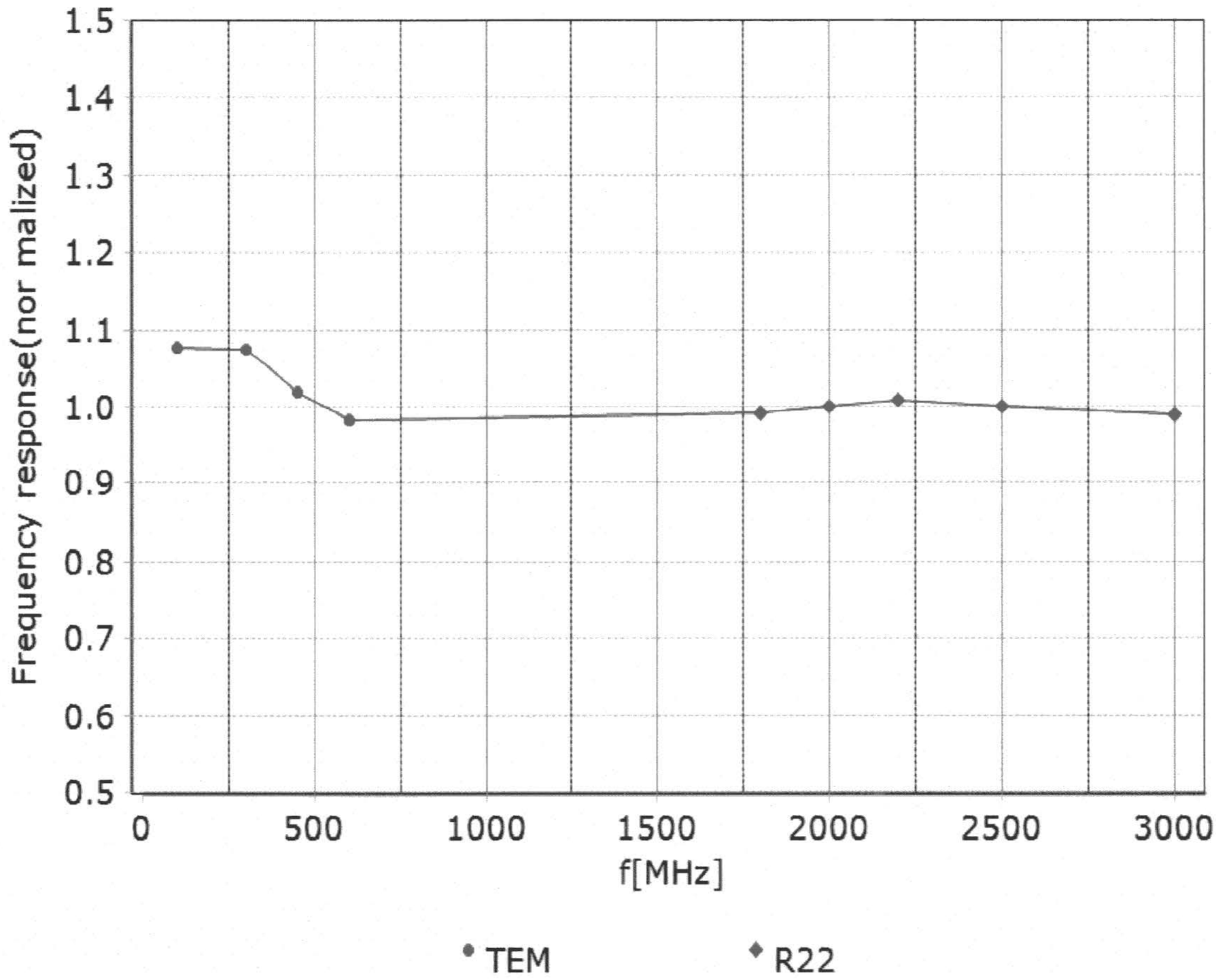
# Frequency Response of E-Field
## (TEM-Cell: ifi110 EXX, Waveguide: R22)




**Uncertainty of Frequency Response of E-field: ±7.4% (*k*=2)**

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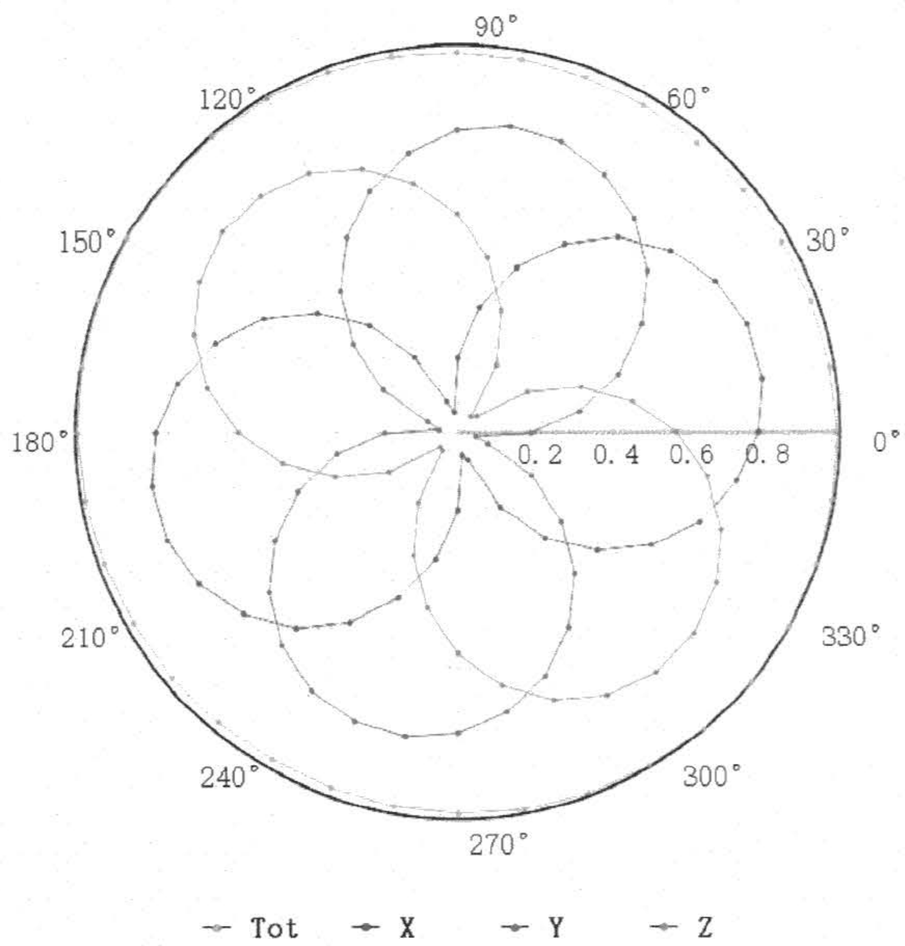
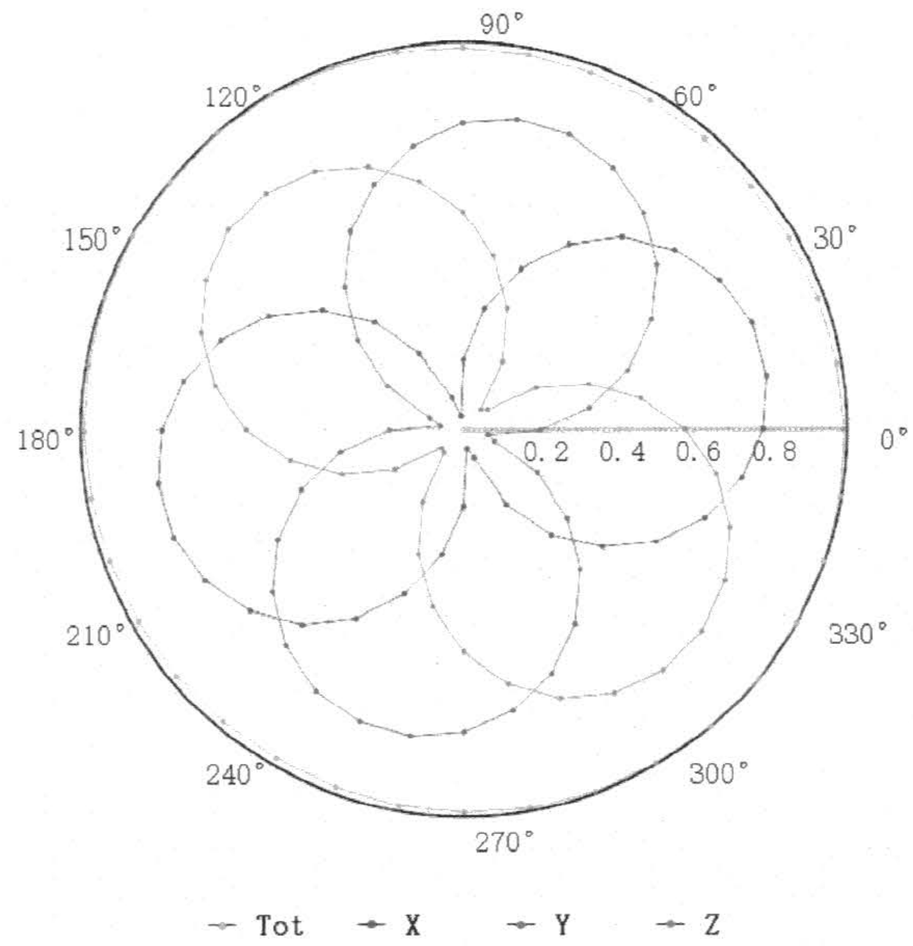
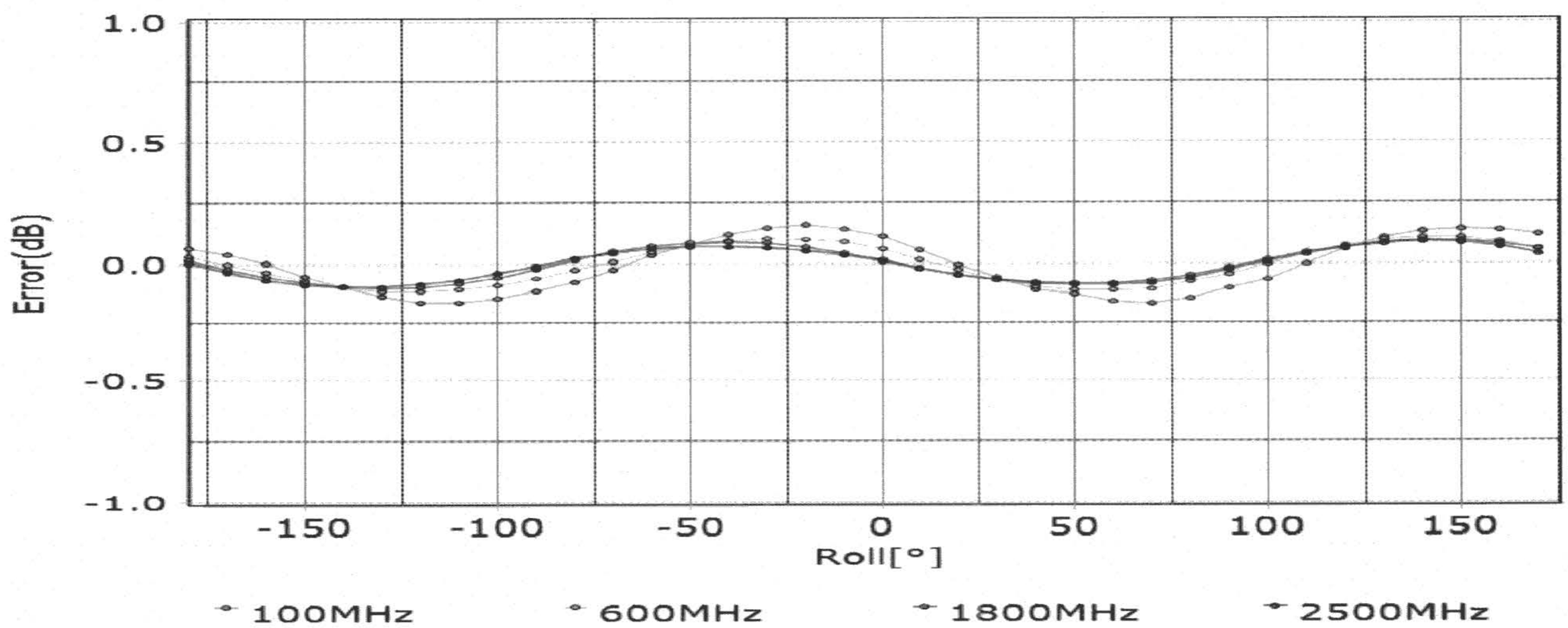
# Receiving Pattern (Φ), θ=0°

## f=600 MHz, TEM




## f=1800 MHz, R22




Uncertainty of Axial Isotropy Assessment: ±1.2% (*k*=2)

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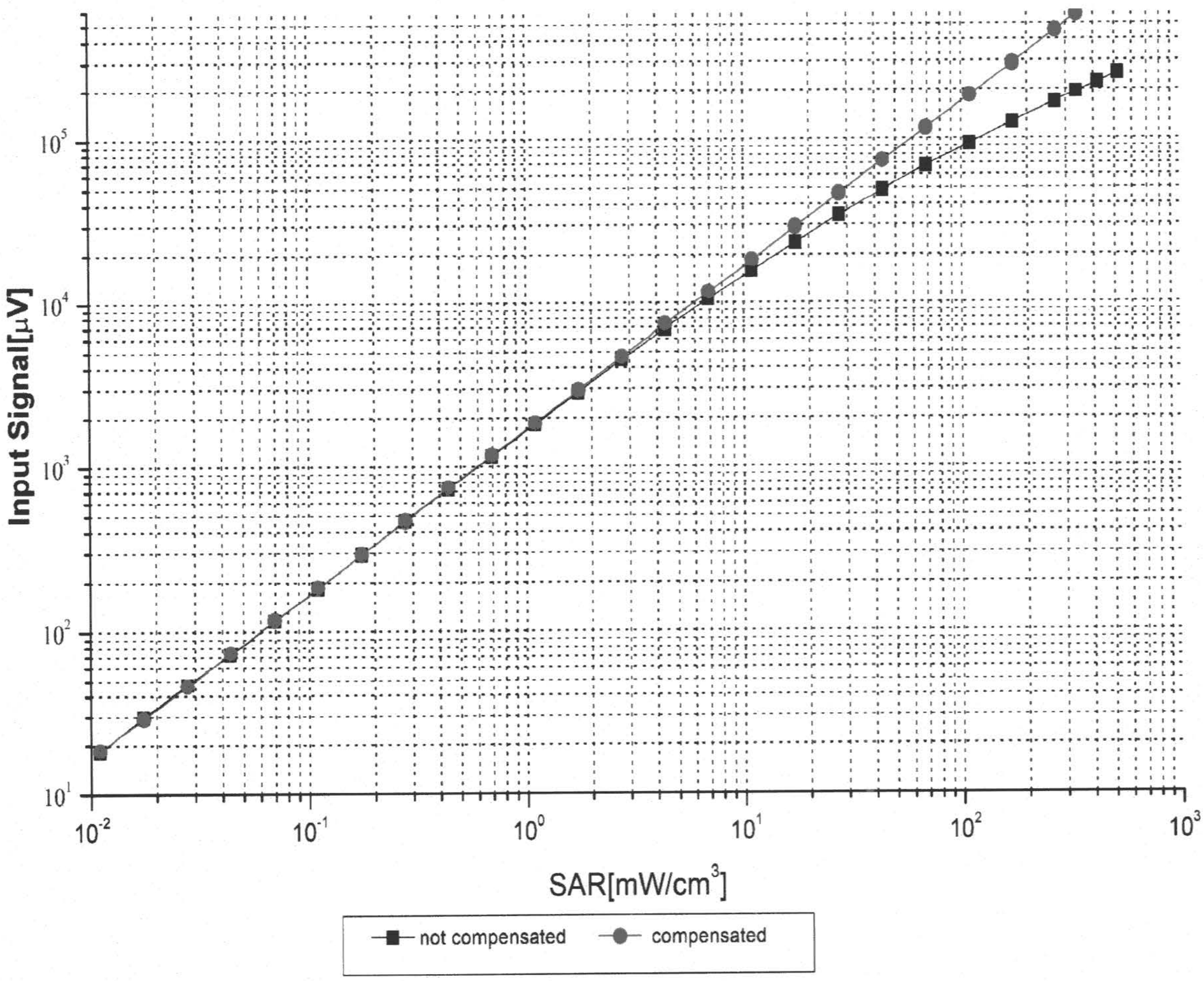
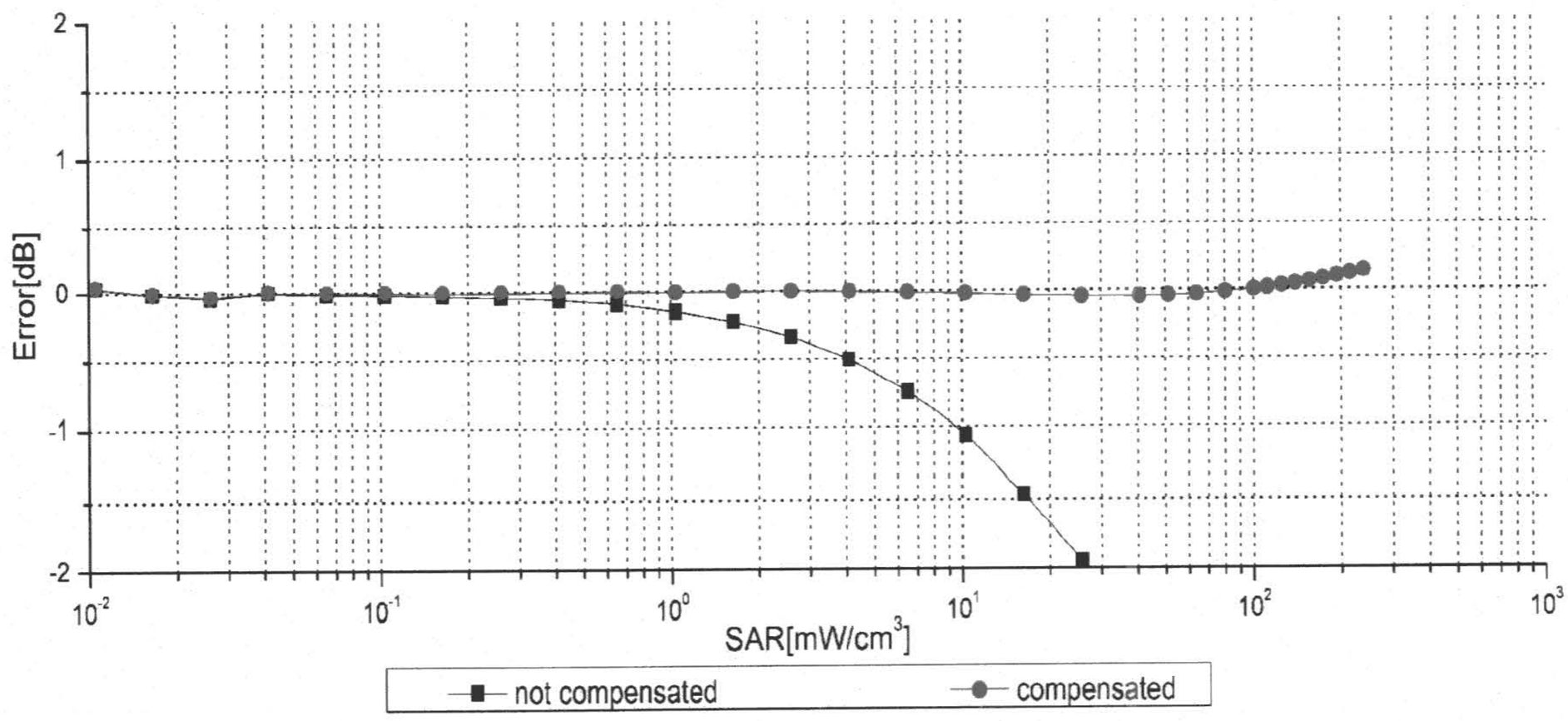
# Dynamic Range f($SAR_{head}$)
# (TEM cell, f = 900 MHz)




**Uncertainty of Linearity Assessment: ±0.9% (*k*=2)**

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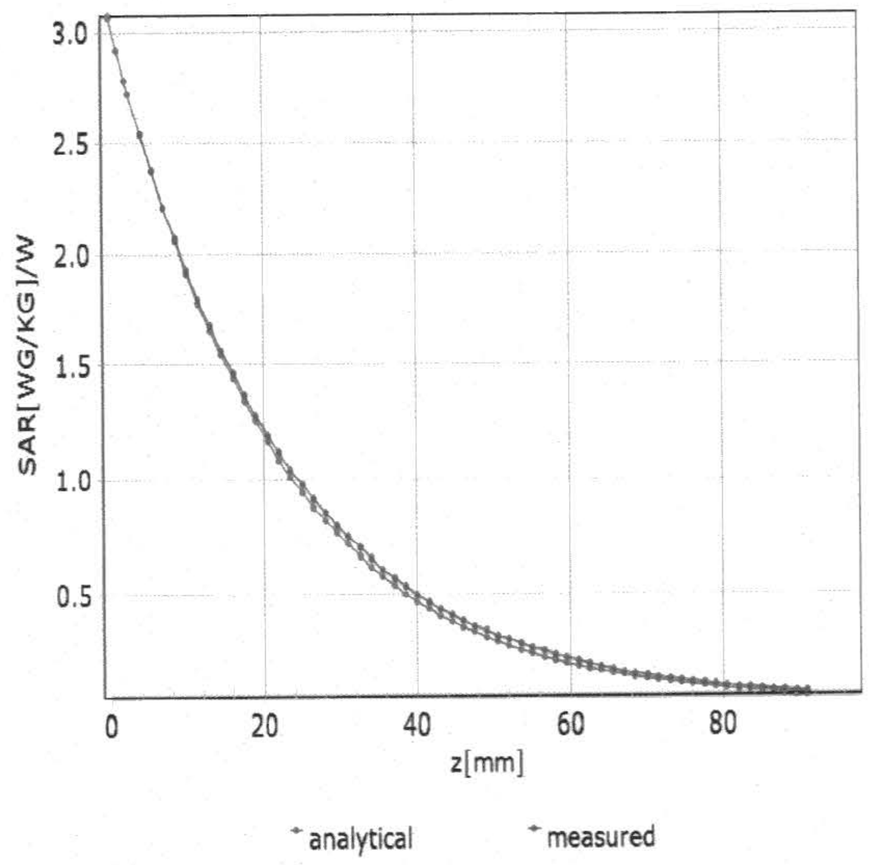
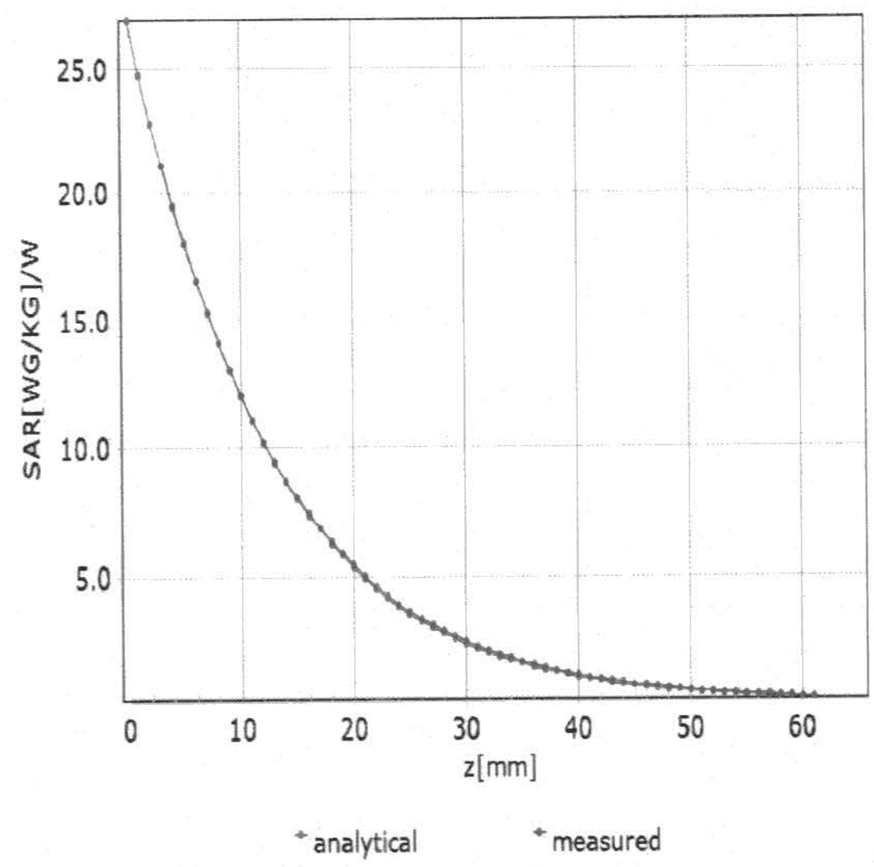
# Conversion Factor Assessment

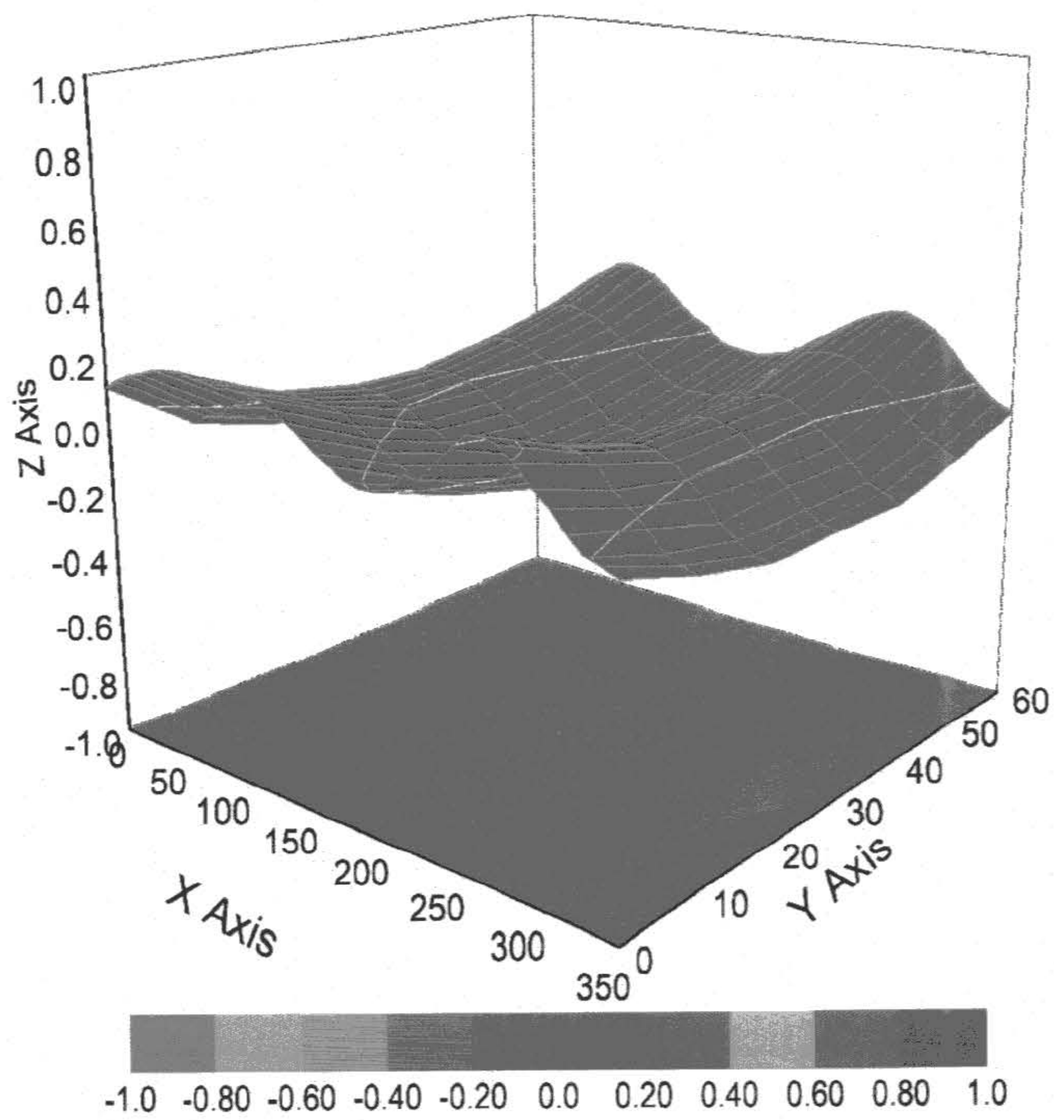
## f=750 MHz,WGLS R9(H_convF)




## f=1750 MHz,WGLS R22(H_convF)




# Deviation from Isotropy in Liquid




**Uncertainty of Spherical Isotropy Assessment: ±3.2% (*k*=2)**

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# DASY/EASY – Parameters of Probe: EX3DV4 – SN:3748

## Other Probe Parameters

| | |
|---|---|
| Sensor Arrangement | Triangular |
| Connector Angle (°) | 5.7 |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disable |
| Probe Overall Length | 337mm |
| Probe Body Diameter | 10mm |
| Tip Length | 10mm |
| 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 |

| Dipole D1750V2 SN 1149 | | | | |
|---|---|---|---|---|
| Head Liquid | | | | |
| Date of Measurement | Return Loss(dB) | Δ % | Impedance (Ω) | ΔΩ |
| 2019-05-21 | -31.8 | / | 47.6 | / |
| 2020-05-20 | -32.3 | 1.57% | 48.9 | 1.3Ω |

| Dipole D2600V2 SN 1125 | | | | |
|---|---|---|---|---|
| Head Liquid | | | | |
| Date of Measurement | Return Loss(dB) | Δ % | Impedance (Ω) | ΔΩ |
| 2019-05-20 | -25.7 | / | 48.9 | / |
| 2020-05-19 | -26.6 | 3.50% | 50.8 | 1.9Ω |

# Appendix E

## Conducted RF Output Power Table

| | |
|---|---|
| 1 | Measurement of RF conducted Power |
| 1.1 | Conducted Power of Main Antenna (Ant1) |
| 1.2 | Conducted Power of Main Antenna (Ant2) |
| 2 | Conducted Power of Uplink CA and Downlink CA |
| 2.1 | Uplink LTE CA Conducted Power of Ant1 |
| 2.2 | Uplink LTE CA Conducted Power of Ant2 |
| 2.3 | Downlink LTE CA Conducted Power of Ant1 |
| 2.4 | Downlink LTE CA Conducted Power of Ant2 |
| 3 | Conducted Power of WiFi and BT |
| 3.1 | Conducted Power of WiFi |
| 3.2 | Conducted Power of BT |

# 1 Measurement of RF conducted Power

## 1.1 Conducted Power of Main Antenna (Ant1)

### 1.1.1 Conducted Power of GSM

| GSM 850 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Burst Output Power(dBm) | | | | | Tune up | Division Factors | Frame-Average Output Power(dBm) | | | Tune up |
| Channel | | 128 | 190 | 251 | | | 975 | 38 | 124 | |
| GSM(GMSK) | GSM | 32.69 | 32.48 | 32.57 | 34.00 | -9.19 | 23.50 | 23.29 | 23.38 | 24.81 |
| GPRS/ EGPRS (GMSK) | 1 TX Slot | 32.68 | 32.47 | 32.56 | 34.00 | -9.19 | 23.49 | 23.28 | 23.37 | **24.81** |
| | 2 TX Slots | 29.51 | 29.08 | 29.09 | 30.50 | -6.18 | 23.33 | 22.90 | 22.91 | 24.32 |
| | 3 TX Slots | 27.79 | 27.30 | 27.31 | 29.00 | -4.42 | 23.37 | 22.88 | 22.89 | 24.58 |
| | 4 TX Slots | 26.08 | 25.62 | 25.55 | 27.50 | -3.17 | 22.91 | 22.45 | 22.38 | 24.33 |
| EGPRS (8PSK) | 1 TX Slot | 26.01 | 25.80 | 25.81 | 27.00 | -9.19 | 16.82 | 16.61 | 16.62 | 17.81 |
| | 2 TX Slots | 23.98 | 23.70 | 23.78 | 25.00 | -6.18 | 17.80 | 17.52 | 17.60 | 18.82 |
| | 3 TX Slots | 22.00 | 21.80 | 21.89 | 23.50 | -4.42 | 17.58 | 17.38 | 17.47 | 19.08 |
| | 4 TX Slots | 21.12 | 20.88 | 21.00 | 22.50 | -3.17 | 17.95 | 17.71 | 17.83 | 19.33 |

| GSM 1900 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Burst Output Power(dBm) | | | | | Tune up | Division Factors | Frame-Average Output Power(dBm) | | | Tune up |
| Channel | | 512 | 661 | 810 | | | 512 | 698 | 885 | |
| GSM(GMSK) | GSM | 29.55 | 29.94 | 30.33 | 31.00 | -9.19 | 20.36 | 20.75 | 21.14 | 21.81 |
| GPRS/ EGPRS (GMSK) | 1 TX Slot | 29.56 | 29.95 | 30.32 | 31.00 | -9.19 | 20.37 | 20.76 | 21.13 | **21.81** |
| | 2 TX Slots | 25.75 | 25.74 | 26.63 | 27.50 | -6.18 | 19.57 | 19.56 | 20.45 | 21.32 |
| | 3 TX Slots | 24.12 | 24.21 | 24.75 | 26.00 | -4.42 | 19.70 | 19.79 | 20.33 | 21.58 |
| | 4 TX Slots | 22.87 | 22.74 | 23.12 | 24.50 | -3.17 | 19.70 | 19.57 | 19.95 | 21.33 |
| EGPRS (8PSK) | 1 TX Slot | 24.74 | 24.50 | 24.76 | 26.00 | -9.19 | 15.55 | 15.31 | 15.57 | 16.81 |
| | 2 TX Slots | 22.65 | 22.42 | 22.76 | 24.00 | -6.18 | 16.47 | 16.24 | 16.58 | 17.82 |
| | 3 TX Slots | 20.55 | 20.38 | 20.76 | 22.00 | -4.42 | 16.13 | 15.96 | 16.34 | 17.58 |
| | 4 TX Slots | 19.32 | 19.12 | 19.54 | 21.00 | -3.17 | 16.15 | 15.95 | 16.37 | 17.83 |

Table 1： Conducted Power of GSM

### 1.1.2 Conducted Power of WCDMA

| WCDMA Band II Receiver on | | | | | |
|---|---|---|---|---|---|
| Average Conducted Power(dBm) | | | | | |
| Channel | | 9262 | 9400 | 9538 | Tune up |
| WCDMA | 12.2kbps RMC | 23.98 | 23.95 | 24.08 | 25.00 |
| | 12.2kbps AMR | 23.96 | 23.93 | 24.06 | 25.00 |
| HSDPA | Subtest 1 | 22.90 | 22.88 | 23.04 | 24.00 |
| | Subtest 2 | 22.87 | 22.84 | 23.00 | 24.00 |
| | Subtest 3 | 22.48 | 22.36 | 22.56 | 23.50 |
| | Subtest 4 | 22.44 | 22.39 | 22.50 | 23.50 |
| HSUPA | Subtest 1 | 22.96 | 22.95 | 22.98 | 24.00 |
| | Subtest 2 | 20.88 | 20.94 | 21.05 | 22.00 |
| | Subtest 3 | 21.94 | 21.85 | 22.08 | 23.00 |
| | Subtest 4 | 20.95 | 20.87 | 20.97 | 22.00 |
| | Subtest 5 | 22.96 | 22.89 | 23.05 | 24.00 |
| DC-HSDPA | Subtest 1 | 22.96 | 22.89 | 23.03 | 24.00 |
| | Subtest 2 | 22.86 | 22.89 | 23.02 | 24.00 |
| | Subtest 3 | 22.47 | 22.40 | 22.56 | 23.50 |
| | Subtest 4 | 22.40 | 22.34 | 22.47 | 23.50 |
| HSPA+ | 16QAM | 22.77 | 22.82 | 22.91 | 24.00 |

| WCDMA Band II Receiver off+Sensor on | | | | | |
|---|---|---|---|---|---|
| Average Conducted Power(dBm) | | | | | |
| Channel | | 9262 | 9400 | 9538 | Tune up |
| WCDMA | 12.2kbps RMC | 20.92 | 20.92 | 21.10 | 22.00 |
| | 12.2kbps AMR | 20.90 | 20.90 | 21.09 | 22.00 |
| HSDPA | Subtest 1 | 19.90 | 19.87 | 19.99 | 21.00 |
| | Subtest 2 | 19.80 | 19.80 | 19.98 | 21.00 |
| | Subtest 3 | 19.42 | 19.27 | 19.49 | 20.50 |
| | Subtest 4 | 19.40 | 19.39 | 19.40 | 20.50 |
| HSUPA | Subtest 1 | 19.91 | 19.87 | 19.96 | 21.00 |
| | Subtest 2 | 17.82 | 17.89 | 18.03 | 19.00 |
| | Subtest 3 | 18.94 | 18.78 | 19.06 | 20.00 |
| | Subtest 4 | 17.95 | 17.81 | 17.91 | 19.00 |
| | Subtest 5 | 19.87 | 19.85 | 20.03 | 21.00 |
| DC-HSDPA | Subtest 1 | 19.87 | 19.89 | 20.00 | 21.00 |
| | Subtest 2 | 19.79 | 19.83 | 19.99 | 21.00 |
| | Subtest 3 | 19.47 | 19.31 | 19.54 | 20.50 |
| | Subtest 4 | 19.33 | 19.34 | 19.41 | 20.50 |
| HSPA+ | 16QAM | 19.82 | 19.80 | 19.86 | 21.00 |

| WCDMA Band II Receiver off+Sensor off | | | | | |
|---|---|---|---|---|---|
| Average Conducted Power(dBm) | | | | | |
| Channel | | 9262 | 9400 | 9538 | Tune up |
| WCDMA | 12.2kbps RMC | 22.85 | 22.98 | 22.75 | 24.00 |
| | 12.2kbps AMR | 22.84 | 22.96 | 22.65 | 24.00 |
| HSDPA | Subtest 1 | 21.90 | 21.82 | 21.94 | 23.00 |
| | Subtest 2 | 21.77 | 21.74 | 21.91 | 23.00 |
| | Subtest 3 | 21.43 | 21.35 | 21.53 | 22.50 |
| | Subtest 4 | 21.41 | 21.39 | 21.41 | 22.50 |
| HSUPA | Subtest 1 | 21.92 | 21.87 | 21.95 | 23.00 |
| | Subtest 2 | 19.83 | 19.93 | 19.99 | 21.00 |
| | Subtest 3 | 20.87 | 20.75 | 21.06 | 22.00 |
| | Subtest 4 | 19.88 | 19.83 | 19.92 | 21.00 |
| | Subtest 5 | 21.89 | 21.84 | 21.99 | 23.00 |
| DC-HSDPA | Subtest 1 | 21.91 | 21.79 | 22.02 | 23.00 |
| | Subtest 2 | 21.85 | 21.81 | 21.97 | 23.00 |
| | Subtest 3 | 21.47 | 21.38 | 21.51 | 22.50 |
| | Subtest 4 | 21.32 | 21.29 | 21.42 | 22.50 |
| HSPA+ | 16QAM | 21.80 | 21.81 | 21.83 | 23.00 |

| WCDMA Band IV Receiver on | | | | | |
|---|---|---|---|---|---|
| Average Conducted Power(dBm) | | | | | |
| Channel | | 1312 | 1412 | 1513 | Tune up |
| WCDMA | 12.2kbps RMC | 24.02 | 23.91 | 23.87 | 25.00 |
| | 12.2kbps AMR | 24.00 | 23.87 | 23.85 | 25.00 |
| HSDPA | Subtest 1 | 22.93 | 22.86 | 22.85 | 24.00 |
| | Subtest 2 | 22.90 | 22.87 | 22.84 | 24.00 |
| | Subtest 3 | 22.51 | 22.37 | 22.36 | 23.50 |
| | Subtest 4 | 22.47 | 22.29 | 22.30 | 23.50 |
| HSUPA | Subtest 1 | 23.01 | 22.87 | 22.82 | 24.00 |
| | Subtest 2 | 20.99 | 20.80 | 20.79 | 22.00 |
| | Subtest 3 | 21.98 | 21.86 | 21.80 | 23.00 |
| | Subtest 4 | 20.99 | 20.77 | 20.79 | 22.00 |
| | Subtest 5 | 23.00 | 22.85 | 22.77 | 24.00 |
| DC-HSDPA | Subtest 1 | 23.02 | 22.86 | 22.87 | 24.00 |
| | Subtest 2 | 23.00 | 22.79 | 22.82 | 24.00 |
| | Subtest 3 | 22.44 | 22.32 | 22.30 | 23.50 |
| | Subtest 4 | 22.47 | 22.27 | 22.33 | 23.50 |
| HSPA+ | 16QAM | 22.95 | 22.81 | 22.87 | 24.00 |

| WCDMA Band IV Receiver off+Sensor on | | | | | |
|---|---|---|---|---|---|
| Average Conducted Power(dBm) | | | | | |
| Channel | | 1312 | 1412 | 1513 | Tune up |
| WCDMA | 12.2kbps RMC | 19.13 | 19.01 | 18.86 | 20.00 |
| | 12.2kbps AMR | 19.12 | 19.00 | 18.85 | 20.00 |
| HSDPA | Subtest 1 | 17.92 | 17.83 | 17.78 | 19.00 |
| | Subtest 2 | 17.85 | 17.85 | 17.79 | 19.00 |
| | Subtest 3 | 17.50 | 17.31 | 17.28 | 18.50 |
| | Subtest 4 | 17.40 | 17.19 | 17.20 | 18.50 |
| HSUPA | Subtest 1 | 17.97 | 17.80 | 17.77 | 19.00 |
| | Subtest 2 | 15.91 | 15.72 | 15.71 | 17.00 |
| | Subtest 3 | 16.94 | 16.82 | 16.76 | 18.00 |
| | Subtest 4 | 15.97 | 15.75 | 15.79 | 17.00 |
| | Subtest 5 | 17.98 | 17.81 | 17.71 | 19.00 |
| DC-HSDPA | Subtest 1 | 17.93 | 17.86 | 17.83 | 19.00 |
| | Subtest 2 | 17.91 | 17.76 | 17.81 | 19.00 |
| | Subtest 3 | 17.38 | 17.27 | 17.30 | 18.50 |
| | Subtest 4 | 17.37 | 17.24 | 17.23 | 18.50 |
| HSPA+ | 16QAM | 17.90 | 17.78 | 17.70 | 19.00 |

| WCDMA Band IV Receiver off+Sensor off | | | | | |
|---|---|---|---|---|---|
| Average Conducted Power(dBm) | | | | | |
| Channel | | 1312 | 1412 | 1513 | Tune up |
| WCDMA | 12.2kbps RMC | 22.89 | 23.01 | 22.99 | 24.00 |
| | 12.2kbps AMR | 22.84 | 22.89 | 22.87 | 24.00 |
| HSDPA | Subtest 1 | 21.92 | 21.78 | 21.79 | 23.00 |
| | Subtest 2 | 21.87 | 21.85 | 21.76 | 23.00 |
| | Subtest 3 | 21.43 | 21.35 | 21.33 | 22.50 |
| | Subtest 4 | 21.38 | 21.19 | 21.24 | 22.50 |
| HSUPA | Subtest 1 | 21.95 | 21.83 | 21.73 | 23.00 |
| | Subtest 2 | 19.92 | 19.71 | 19.73 | 21.00 |
| | Subtest 3 | 20.91 | 20.83 | 20.76 | 22.00 |
| | Subtest 4 | 19.99 | 19.74 | 19.72 | 21.00 |
| | Subtest 5 | 21.95 | 21.76 | 21.73 | 23.00 |
| DC-HSDPA | Subtest 1 | 22.02 | 21.77 | 21.81 | 23.00 |
| | Subtest 2 | 21.95 | 21.79 | 21.76 | 23.00 |
| | Subtest 3 | 21.40 | 21.22 | 21.20 | 22.50 |
| | Subtest 4 | 21.43 | 21.25 | 21.27 | 22.50 |
| HSPA+ | 16QAM | 21.87 | 21.76 | 21.68 | 23.00 |

| WCDMA Band V | | | | | |
|---|---|---|---|---|---|
| Average Conducted Power(dBm) | | | | | |
| Channel | | 4132 | 4182 | 4233 | Tune up |
| WCDMA | 12.2kbps RMC | 24.14 | 24.15 | 24.04 | 25.00 |
| | 12.2kbps AMR | 24.13 | 24.10 | 24.00 | 25.00 |
| HSDPA | Subtest 1 | 23.16 | 23.25 | 23.22 | 24.00 |
| | Subtest 2 | 23.23 | 23.26 | 23.21 | 24.00 |
| | Subtest 3 | 22.69 | 22.72 | 22.69 | 23.50 |
| | Subtest 4 | 22.68 | 22.38 | 22.72 | 23.50 |
| HSUPA | Subtest 1 | 23.23 | 23.28 | 23.24 | 24.00 |
| | Subtest 2 | 21.22 | 21.26 | 21.23 | 22.00 |
| | Subtest 3 | 22.26 | 22.27 | 22.23 | 23.00 |
| | Subtest 4 | 21.24 | 21.22 | 21.28 | 22.00 |
| | Subtest 5 | 23.30 | 23.30 | 23.30 | 24.00 |
| DC-HSDPA | Subtest 1 | 23.11 | 23.15 | 23.19 | 24.00 |
| | Subtest 2 | 23.17 | 23.17 | 23.13 | 24.00 |
| | Subtest 3 | 22.59 | 22.68 | 22.66 | 23.50 |
| | Subtest 4 | 22.60 | 22.30 | 22.64 | 23.50 |
| HSPA+ | 16QAM | 23.17 | 23.16 | 23.11 | 24.00 |

Table 2： Conducted Power of WCDMA

### 1.1.3 Conducted Power of LTE

| LTE Band 2 Receiver on/Receiver off/Sensor off | | | | Conducted Power(dBm) | | | |
|---|---|---|---|---|---|---|---|
| **Bandwidth** | Modulation | RB size | RB offset | Channel 18607 | Channel 18900 | Channel 19193 | Tune up |
| **1.4MHz** | QPSK | 1 | 0 | 23.98 | 24.06 | 24.07 | 25.00 |
| | | 1 | 2 | 23.94 | 24.00 | 24.02 | 25.00 |
| | | 1 | 5 | 24.01 | 23.99 | 24.01 | 25.00 |
| | | 3 | 0 | 23.03 | 23.09 | 23.34 | 25.00 |
| | | 3 | 1 | 23.06 | 23.13 | 23.34 | 25.00 |
| | | 3 | 3 | 23.03 | 23.03 | 23.37 | 25.00 |
| | | 6 | 0 | 22.01 | 22.02 | 22.29 | 24.00 |
| | 16QAM | 1 | 0 | 22.60 | 22.04 | 22.59 | 24.00 |
| | | 1 | 2 | 22.31 | 22.33 | 22.79 | 24.00 |
| | | 1 | 5 | 22.28 | 22.47 | 22.50 | 24.00 |
| | | 3 | 0 | 22.06 | 22.18 | 22.28 | 24.00 |
| | | 3 | 1 | 22.12 | 22.27 | 22.44 | 24.00 |
| | | 3 | 3 | 22.06 | 22.07 | 22.39 | 24.00 |
| | | 6 | 0 | 22.00 | 22.14 | 22.62 | 23.00 |
| | 64QAM | 1 | 0 | 21.56 | 21.01 | 21.58 | 23.00 |
| | | 1 | 2 | 21.20 | 21.28 | 21.66 | 23.00 |
| | | 1 | 5 | 21.20 | 21.43 | 21.41 | 23.00 |
| | | 3 | 0 | 21.08 | 21.15 | 21.28 | 23.00 |
| | | 3 | 1 | 21.08 | 21.25 | 21.33 | 23.00 |
| | | 3 | 3 | 21.05 | 21.04 | 21.39 | 23.00 |
| | | 6 | 0 | 20.90 | 21.14 | 21.56 | 22.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 18615 | Channel 18900 | Channel 19185 | Tune up |
| **3MHz** | QPSK | 1 | 0 | 24.05 | 24.01 | 24.05 | 25.00 |
| | | 1 | 7 | 24.00 | 23.89 | 24.01 | 25.00 |
| | | 1 | 14 | 23.99 | 24.05 | 24.06 | 25.00 |
| | | 8 | 0 | 23.11 | 23.14 | 23.32 | 24.00 |
| | | 8 | 4 | 23.14 | 23.08 | 23.40 | 24.00 |
| | | 8 | 7 | 22.96 | 23.01 | 23.35 | 24.00 |
| | | 15 | 0 | 23.00 | 23.08 | 23.37 | 24.00 |
| | 16QAM | 1 | 0 | 23.74 | 23.68 | 23.74 | 24.00 |
| | | 1 | 7 | 23.95 | 23.53 | 23.62 | 24.00 |
| | | 1 | 14 | 23.61 | 22.97 | 23.47 | 24.00 |
| | | 8 | 0 | 22.27 | 22.18 | 22.36 | 23.00 |
| | | 8 | 4 | 22.12 | 22.11 | 22.34 | 23.00 |
| | | 8 | 7 | 22.10 | 22.02 | 22.38 | 23.00 |
| | | 15 | 0 | 22.10 | 22.21 | 22.43 | 23.00 |
| | 64QAM | 1 | 0 | 22.64 | 22.59 | 22.61 | 23.00 |
| | | 1 | 7 | 22.91 | 22.41 | 22.59 | 23.00 |
| | | 1 | 14 | 22.51 | 21.97 | 22.44 | 23.00 |
| | | 8 | 0 | 21.21 | 21.16 | 21.30 | 22.00 |
| | | 8 | 4 | 21.10 | 20.99 | 21.25 | 22.00 |
| | | 8 | 7 | 21.06 | 20.99 | 21.29 | 22.00 |
| | | 15 | 0 | 20.99 | 21.16 | 21.36 | 22.00 |

| Bandwidth | Modulation | RB size | RB offset | Channel 18625 | Channel 18900 | Channel 19175 | Tune up |
|---|---|---|---|---|---|---|---|
| 5MHz | QPSK | 1 | 0 | 23.97 | 24.06 | 24.15 | 25.00 |
| | | 1 | 13 | 23.95 | 23.95 | 24.02 | 25.00 |
| | | 1 | 24 | 23.16 | 23.23 | 23.31 | 25.00 |
| | | 12 | 0 | 23.00 | 23.08 | 23.40 | 24.00 |
| | | 12 | 6 | 23.14 | 23.10 | 23.39 | 24.00 |
| | | 12 | 13 | 23.06 | 23.10 | 23.42 | 24.00 |
| | | 25 | 0 | 23.28 | 23.37 | 23.15 | 24.00 |
| | 16QAM | 1 | 0 | 23.22 | 23.67 | 23.68 | 24.00 |
| | | 1 | 13 | 22.73 | 23.42 | 23.29 | 24.00 |
| | | 1 | 24 | 22.22 | 22.38 | 22.36 | 24.00 |
| | | 12 | 0 | 21.95 | 22.17 | 22.49 | 23.00 |
| | | 12 | 6 | 22.09 | 22.15 | 22.45 | 23.00 |
| | | 12 | 13 | 21.91 | 22.11 | 22.43 | 23.00 |
| | | 25 | 0 | 21.89 | 22.01 | 22.12 | 23.00 |
| | 64QAM | 1 | 0 | 22.20 | 22.60 | 22.66 | 23.00 |
| | | 1 | 13 | 21.68 | 22.31 | 22.17 | 23.00 |
| | | 1 | 24 | 21.15 | 21.32 | 21.23 | 23.00 |
| | | 12 | 0 | 20.93 | 21.07 | 21.49 | 22.00 |
| | | 12 | 6 | 21.01 | 21.09 | 21.45 | 22.00 |
| | | 12 | 13 | 20.86 | 21.05 | 21.33 | 22.00 |
| | | 25 | 0 | 20.80 | 20.91 | 21.05 | 22.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 18650 | Channel 18900 | Channel 19150 | Tune up |
| 10MHz | QPSK | 1 | 0 | 23.95 | 24.10 | 24.12 | 25.00 |
| | | 1 | 25 | 24.16 | 24.08 | 24.12 | 25.00 |
| | | 1 | 49 | 23.66 | 24.12 | 23.57 | 25.00 |
| | | 25 | 0 | 23.06 | 23.03 | 23.19 | 24.00 |
| | | 25 | 13 | 23.04 | 23.06 | 23.25 | 24.00 |
| | | 25 | 25 | 23.00 | 23.19 | 23.25 | 24.00 |
| | | 50 | 0 | 23.03 | 23.05 | 23.41 | 24.00 |
| | 16QAM | 1 | 0 | 23.52 | 23.44 | 23.75 | 24.00 |
| | | 1 | 25 | 22.76 | 23.55 | 23.50 | 24.00 |
| | | 1 | 49 | 23.15 | 22.63 | 22.50 | 24.00 |
| | | 25 | 0 | 22.08 | 22.06 | 22.29 | 23.00 |
| | | 25 | 13 | 22.00 | 22.01 | 22.26 | 23.00 |
| | | 25 | 25 | 21.77 | 22.23 | 22.27 | 23.00 |
| | | 50 | 0 | 22.21 | 22.03 | 22.28 | 23.00 |
| | 64QAM | 1 | 0 | 22.48 | 22.44 | 22.63 | 23.00 |
| | | 1 | 25 | 21.70 | 22.47 | 22.49 | 23.00 |
| | | 1 | 49 | 22.13 | 21.57 | 21.48 | 23.00 |
| | | 25 | 0 | 21.06 | 21.01 | 21.17 | 22.00 |
| | | 25 | 13 | 20.97 | 20.99 | 21.23 | 22.00 |
| | | 25 | 25 | 20.71 | 21.16 | 21.15 | 22.00 |
| | | 50 | 0 | 21.08 | 21.03 | 21.24 | 22.00 |

| Bandwidth | Modulation | RB size | RB offset | Channel 18675 | Channel 18900 | Channel 19125 | Tune up |
|---|---|---|---|---|---|---|---|
| 15MHz | QPSK | 1 | 0 | 23.45 | 23.47 | 23.77 | 25.00 |
| | | 1 | 38 | 23.97 | 24.00 | 23.95 | 25.00 |
| | | 1 | 74 | 23.11 | 23.26 | 23.56 | 25.00 |
| | | 36 | 0 | 22.57 | 22.63 | 22.73 | 24.00 |
| | | 36 | 18 | 22.58 | 22.69 | 22.84 | 24.00 |
| | | 36 | 39 | 22.52 | 22.66 | 22.90 | 24.00 |
| | | 75 | 0 | 22.58 | 22.75 | 22.97 | 24.00 |
| | 16QAM | 1 | 0 | 23.31 | 23.60 | 22.72 | 24.00 |
| | | 1 | 38 | 22.43 | 22.71 | 22.46 | 24.00 |
| | | 1 | 74 | 22.65 | 22.68 | 22.25 | 24.00 |
| | | 36 | 0 | 21.57 | 21.67 | 21.81 | 23.00 |
| | | 36 | 18 | 21.62 | 21.79 | 21.89 | 23.00 |
| | | 36 | 39 | 21.53 | 21.62 | 21.95 | 23.00 |
| | | 75 | 0 | 21.58 | 21.75 | 21.99 | 23.00 |
| | 64QAM | 1 | 0 | 22.24 | 22.51 | 21.65 | 23.00 |
| | | 1 | 38 | 21.41 | 21.62 | 21.38 | 23.00 |
| | | 1 | 74 | 21.60 | 21.60 | 21.17 | 23.00 |
| | | 36 | 0 | 20.45 | 20.66 | 20.71 | 22.00 |
| | | 36 | 18 | 20.60 | 20.75 | 20.88 | 22.00 |
| | | 36 | 39 | 20.49 | 20.62 | 20.90 | 22.00 |
| | | 75 | 0 | 20.48 | 20.68 | 20.88 | 22.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 18700 | Channel 18900 | Channel 19100 | Tune up |
| 20MHz | QPSK | 1 | 0 | 23.25 | 23.36 | 23.45 | 25.00 |
| | | 1 | 50 | **23.90** | **24.26** | **24.03** | 25.00 |
| | | 1 | 99 | 23.15 | 23.25 | 23.24 | 25.00 |
| | | 50 | 0 | **22.52** | **22.74** | **22.71** | 24.00 |
| | | 50 | 25 | 22.44 | 22.56 | 22.62 | 24.00 |
| | | 50 | 50 | 22.29 | 22.37 | 22.34 | 24.00 |
| | | 100 | 0 | 22.38 | **22.78** | 22.47 | 24.00 |
| | 16QAM | 1 | 0 | 22.41 | 22.57 | 22.79 | 24.00 |
| | | 1 | 50 | 22.71 | 22.36 | 22.51 | 24.00 |
| | | 1 | 99 | 22.33 | 22.36 | 22.25 | 24.00 |
| | | 50 | 0 | 21.42 | 21.55 | 21.60 | 23.00 |
| | | 50 | 25 | 21.47 | 21.56 | 21.64 | 23.00 |
| | | 50 | 50 | 21.28 | 21.48 | 21.66 | 23.00 |
| | | 100 | 0 | 21.40 | 21.42 | 21.65 | 23.00 |
| | 64QAM | 1 | 0 | 21.39 | 21.52 | 21.79 | 23.00 |
| | | 1 | 50 | 21.62 | 21.24 | 21.42 | 23.00 |
| | | 1 | 99 | 21.28 | 21.32 | 21.15 | 23.00 |
| | | 50 | 0 | 20.30 | 20.43 | 20.56 | 22.00 |
| | | 50 | 25 | 20.41 | 20.44 | 20.62 | 22.00 |
| | | 50 | 50 | 20.22 | 20.38 | 20.57 | 22.00 |
| | | 100 | 0 | 20.34 | 20.33 | 20.55 | 22.00 |

| LTE Band 2 Sensor on | | | | Conducted Power(dBm) | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth | Modulation | RB size | RB offset | Channel 18607 | Channel 18900 | Channel 19193 | Tune up |
| 1.4MHz | QPSK | 1 | 0 | 19.28 | 19.09 | 18.95 | 20.50 |
| | | 1 | 2 | 19.44 | 19.33 | 19.13 | 20.50 |
| | | 1 | 5 | 19.36 | 19.14 | 19.13 | 20.50 |
| | | 3 | 0 | 19.15 | 19.33 | 19.12 | 20.50 |
| | | 3 | 1 | 19.29 | 19.34 | 19.14 | 20.50 |
| | | 3 | 3 | 19.37 | 19.26 | 19.04 | 20.50 |
| | | 6 | 0 | 19.23 | 19.41 | 18.97 | 20.50 |
| | 16QAM | 1 | 0 | 19.20 | 19.19 | 18.60 | 20.50 |
| | | 1 | 2 | 19.20 | 19.28 | 19.15 | 20.50 |
| | | 1 | 5 | 18.85 | 18.54 | 19.36 | 20.50 |
| | | 3 | 0 | 18.74 | 18.78 | 19.05 | 20.50 |
| | | 3 | 1 | 18.87 | 18.74 | 19.02 | 20.50 |
| | | 3 | 3 | 18.72 | 18.56 | 19.03 | 20.50 |
| | | 6 | 0 | 18.68 | 18.64 | 18.99 | 20.50 |
| | 64QAM | 1 | 0 | 19.17 | 19.13 | 18.53 | 20.50 |
| | | 1 | 2 | 19.18 | 19.23 | 19.09 | 20.50 |
| | | 1 | 5 | 18.80 | 18.53 | 19.26 | 20.50 |
| | | 3 | 0 | 18.65 | 18.78 | 19.00 | 20.50 |
| | | 3 | 1 | 18.83 | 18.72 | 18.90 | 20.50 |
| | | 3 | 3 | 18.59 | 18.56 | 19.03 | 20.50 |
| | | 6 | 0 | 18.56 | 18.58 | 18.94 | 20.50 |
| Bandwidth | Modulation | RB size | RB offset | Channel 18615 | Channel 18900 | Channel 19185 | Tune up |
| 3MHz | QPSK | 1 | 0 | 19.19 | 19.16 | 19.51 | 20.50 |
| | | 1 | 7 | 19.19 | 19.36 | 19.15 | 20.50 |
| | | 1 | 14 | 19.12 | 19.13 | 19.53 | 20.50 |
| | | 8 | 0 | 19.31 | 19.38 | 19.54 | 20.50 |
| | | 8 | 4 | 19.18 | 19.31 | 19.15 | 20.50 |
| | | 8 | 7 | 19.20 | 19.23 | 19.14 | 20.50 |
| | | 15 | 0 | 19.25 | 19.30 | 19.15 | 20.50 |
| | 16QAM | 1 | 0 | 18.73 | 19.15 | 19.15 | 20.50 |
| | | 1 | 7 | 18.77 | 19.00 | 19.24 | 20.50 |
| | | 1 | 14 | 19.03 | 18.99 | 19.15 | 20.50 |
| | | 8 | 0 | 18.96 | 18.81 | 19.22 | 20.50 |
| | | 8 | 4 | 18.81 | 18.90 | 19.19 | 20.50 |
| | | 8 | 7 | 18.61 | 18.68 | 19.23 | 20.50 |
| | | 15 | 0 | 18.77 | 18.85 | 19.05 | 20.50 |
| | 64QAM | 1 | 0 | 18.66 | 19.15 | 19.04 | 20.50 |
| | | 1 | 7 | 18.77 | 18.89 | 19.23 | 20.50 |
| | | 1 | 14 | 18.99 | 18.99 | 19.03 | 20.50 |
| | | 8 | 0 | 18.89 | 18.71 | 19.16 | 20.50 |
| | | 8 | 4 | 18.80 | 18.85 | 19.06 | 20.50 |
| | | 8 | 7 | 18.58 | 18.63 | 19.21 | 20.50 |
| | | 15 | 0 | 18.68 | 18.83 | 19.03 | 20.50 |

| Bandwidth | Modulation | RB size | RB offset | Channel 18625 | Channel 18900 | Channel 19175 | Tune up |
|---|---|---|---|---|---|---|---|
| 5MHz | QPSK | 1 | 0 | 18.74 | 18.80 | 19.18 | 20.50 |
| | | 1 | 13 | 18.87 | 18.70 | 19.09 | 20.50 |
| | | 1 | 24 | 18.67 | 19.01 | 19.12 | 20.50 |
| | | 12 | 0 | 18.85 | 18.89 | 19.13 | 20.50 |
| | | 12 | 6 | 18.73 | 18.85 | 19.10 | 20.50 |
| | | 12 | 13 | 18.89 | 18.91 | 19.08 | 20.50 |
| | | 25 | 0 | 18.75 | 18.88 | 19.09 | 20.50 |
| | 16QAM | 1 | 0 | 18.61 | 18.94 | 19.15 | 20.50 |
| | | 1 | 13 | 18.90 | 19.14 | 18.96 | 20.50 |
| | | 1 | 24 | 18.94 | 19.08 | 19.07 | 20.50 |
| | | 12 | 0 | 18.92 | 18.94 | 19.11 | 20.50 |
| | | 12 | 6 | 18.87 | 18.86 | 19.15 | 20.50 |
| | | 12 | 13 | 18.80 | 18.86 | 19.17 | 20.50 |
| | | 25 | 0 | 18.73 | 18.72 | 19.16 | 20.50 |
| | 64QAM | 1 | 0 | 18.61 | 18.84 | 19.09 | 20.50 |
| | | 1 | 13 | 18.82 | 19.10 | 18.85 | 20.50 |
| | | 1 | 24 | 18.88 | 19.05 | 18.94 | 20.50 |
| | | 12 | 0 | 18.79 | 18.81 | 19.03 | 20.50 |
| | | 12 | 6 | 18.76 | 18.74 | 19.03 | 20.50 |
| | | 12 | 13 | 18.76 | 18.73 | 19.05 | 20.50 |
| | | 25 | 0 | 18.68 | 18.71 | 19.14 | 20.50 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 18650 | Channel 18900 | Channel 19150 | Tune up |
| 10MHz | QPSK | 1 | 0 | 19.12 | 19.27 | 19.30 | 20.50 |
| | | 1 | 25 | 19.05 | 19.22 | 19.46 | 20.50 |
| | | 1 | 49 | 18.62 | 19.18 | 18.53 | 20.50 |
| | | 25 | 0 | 19.28 | 19.30 | 19.47 | 20.50 |
| | | 25 | 13 | 19.27 | 19.32 | 19.42 | 20.50 |
| | | 25 | 25 | 19.12 | 19.35 | 19.15 | 20.50 |
| | | 50 | 0 | 19.25 | 19.30 | 19.14 | 20.50 |
| | 16QAM | 1 | 0 | 18.82 | 19.14 | 19.14 | 20.50 |
| | | 1 | 25 | 19.05 | 19.15 | 19.14 | 20.50 |
| | | 1 | 49 | 18.56 | 19.00 | 18.52 | 20.50 |
| | | 25 | 0 | 19.30 | 19.31 | 19.05 | 20.50 |
| | | 25 | 13 | 19.23 | 19.15 | 19.15 | 20.50 |
| | | 25 | 25 | 19.01 | 19.43 | 19.42 | 20.50 |
| | | 50 | 0 | 19.17 | 19.21 | 19.40 | 20.50 |
| | 64QAM | 1 | 0 | 18.72 | 19.06 | 19.08 | 20.50 |
| | | 1 | 25 | 19.02 | 19.13 | 19.08 | 20.50 |
| | | 1 | 49 | 18.53 | 18.94 | 18.56 | 20.50 |
| | | 25 | 0 | 19.29 | 19.26 | 19.00 | 20.50 |
| | | 25 | 13 | 19.17 | 19.10 | 19.09 | 20.50 |
| | | 25 | 25 | 18.93 | 19.43 | 19.34 | 20.50 |
| | | 50 | 0 | 19.06 | 19.14 | 19.40 | 20.50 |

| Bandwidth | Modulation | RB size | RB offset | Channel 18675 | Channel 18900 | Channel 19125 | Tune up |
|---|---|---|---|---|---|---|---|
| 15MHz | QPSK | 1 | 0 | 18.99 | 19.19 | 19.24 | 20.50 |
| | | 1 | 38 | 18.67 | 18.92 | 18.58 | 20.50 |
| | | 1 | 74 | 18.56 | 18.90 | 18.91 | 20.50 |
| | | 36 | 0 | 18.85 | 18.85 | 19.05 | 20.50 |
| | | 36 | 18 | 18.95 | 18.83 | 18.85 | 20.50 |
| | | 36 | 39 | 18.84 | 18.82 | 19.16 | 20.50 |
| | | 75 | 0 | 18.79 | 18.88 | 18.97 | 20.50 |
| | 16QAM | 1 | 0 | 19.26 | 19.04 | 19.15 | 20.50 |
| | | 1 | 38 | 19.24 | 19.02 | 19.27 | 20.50 |
| | | 1 | 74 | 18.53 | 18.90 | 19.15 | 20.50 |
| | | 36 | 0 | 18.89 | 18.79 | 18.95 | 20.50 |
| | | 36 | 18 | 18.83 | 19.00 | 19.01 | 20.50 |
| | | 36 | 39 | 18.77 | 18.96 | 18.87 | 20.50 |
| | | 75 | 0 | 18.88 | 18.97 | 19.24 | 20.50 |
| | 64QAM | 1 | 0 | 19.16 | 19.03 | 19.12 | 20.50 |
| | | 1 | 38 | 19.14 | 18.93 | 19.26 | 20.50 |
| | | 1 | 74 | 18.53 | 18.84 | 19.08 | 20.50 |
| | | 36 | 0 | 18.79 | 18.66 | 18.92 | 20.50 |
| | | 36 | 18 | 18.79 | 18.95 | 18.93 | 20.50 |
| | | 36 | 39 | 18.66 | 18.93 | 18.77 | 20.50 |
| | | 75 | 0 | 18.79 | 18.89 | 19.15 | 20.50 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 18700 | Channel 18900 | Channel 19100 | Tune up |
| 20MHz | QPSK | 1 | 0 | 19.28 | 19.31 | 18.92 | 20.50 |
| | | 1 | 50 | 19.35 | 19.55 | 19.17 | 20.50 |
| | | 1 | 99 | 19.15 | 19.14 | 19.15 | 20.50 |
| | | 50 | 0 | 18.93 | **19.11** | 19.08 | 20.50 |
| | | 50 | 25 | 18.84 | 18.86 | 19.02 | 20.50 |
| | | 50 | 50 | 18.70 | 18.79 | 18.96 | 20.50 |
| | | 100 | 0 | 18.75 | 19.22 | 18.75 | 20.50 |
| | 16QAM | 1 | 0 | 19.15 | 19.11 | 18.91 | 20.50 |
| | | 1 | 50 | 19.04 | 18.57 | 18.81 | 20.50 |
| | | 1 | 99 | 18.58 | 18.59 | 18.75 | 20.50 |
| | | 50 | 0 | 18.77 | 18.87 | 18.95 | 20.50 |
| | | 50 | 25 | 18.98 | 19.01 | 19.01 | 20.50 |
| | | 50 | 50 | 18.53 | 18.75 | 18.51 | 20.50 |
| | | 100 | 0 | 18.81 | 18.81 | 19.02 | 20.50 |
| | 64QAM | 1 | 0 | 19.10 | 19.09 | 18.81 | 20.50 |
| | | 1 | 50 | 18.99 | 18.58 | 18.68 | 20.50 |
| | | 1 | 99 | 18.50 | 18.52 | 18.65 | 20.50 |
| | | 50 | 0 | 18.66 | 18.75 | 18.92 | 20.50 |
| | | 50 | 25 | 18.94 | 18.93 | 18.95 | 20.50 |
| | | 50 | 50 | 18.52 | 18.68 | 18.54 | 20.50 |
| | | 100 | 0 | 18.73 | 18.78 | 18.92 | 20.50 |

| LTE Band 4 Receiver on&Receiver off+Sensor off | | | | Conducted Power(dBm) | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth | Modulation | RB size | RB offset | Channel 19957 | Channel 20175 | Channel 20393 | Tune up |
| 1.4MHz | QPSK | 1 | 0 | 23.83 | 23.65 | 23.67 | 25.00 |
| | | 1 | 2 | 24.00 | 23.61 | 23.63 | 25.00 |
| | | 1 | 5 | 23.85 | 23.78 | 23.44 | 25.00 |
| | | 3 | 0 | 23.70 | 23.76 | 23.72 | 25.00 |
| | | 3 | 1 | 23.81 | 23.68 | 23.56 | 25.00 |
| | | 3 | 3 | 23.66 | 23.59 | 23.44 | 25.00 |
| | | 6 | 0 | 22.64 | 23.05 | 23.15 | 24.00 |
| | 16QAM | 1 | 0 | 23.00 | 23.25 | 22.94 | 24.00 |
| | | 1 | 2 | 23.08 | 22.94 | 22.82 | 24.00 |
| | | 1 | 5 | 22.86 | 22.90 | 22.79 | 24.00 |
| | | 3 | 0 | 22.73 | 22.49 | 22.49 | 24.00 |
| | | 3 | 1 | 22.76 | 22.81 | 22.50 | 24.00 |
| | | 3 | 3 | 22.90 | 22.24 | 22.39 | 24.00 |
| | | 6 | 0 | 22.07 | 21.89 | 21.62 | 23.00 |
| | 64QAM | 1 | 0 | 22.78 | 22.56 | 22.66 | 23.00 |
| | | 1 | 2 | 22.97 | 22.55 | 22.57 | 23.00 |
| | | 1 | 5 | 22.79 | 22.67 | 22.33 | 23.00 |
| | | 3 | 0 | 22.69 | 22.69 | 22.64 | 23.00 |
| | | 3 | 1 | 22.78 | 22.57 | 22.46 | 23.00 |
| | | 3 | 3 | 22.65 | 22.50 | 22.33 | 23.00 |
| | | 6 | 0 | 21.52 | 21.82 | 21.83 | 22.00 |
| Bandwidth | Modulation | RB size | RB offset | Channel 19965 | Channel 20175 | Channel 20385 | Tune up |
| 3MHz | QPSK | 1 | 0 | 23.90 | 23.57 | 23.60 | 25.00 |
| | | 1 | 7 | 23.85 | 23.53 | 23.76 | 25.00 |
| | | 1 | 14 | 23.83 | 23.72 | 23.57 | 25.00 |
| | | 8 | 0 | 23.10 | 22.83 | 22.75 | 24.00 |
| | | 8 | 4 | 22.94 | 22.81 | 22.62 | 24.00 |
| | | 8 | 7 | 22.91 | 22.76 | 22.66 | 24.00 |
| | | 15 | 0 | 22.89 | 22.78 | 22.61 | 24.00 |
| | 16QAM | 1 | 0 | 23.58 | 23.24 | 23.03 | 24.00 |
| | | 1 | 7 | 23.12 | 23.13 | 23.26 | 24.00 |
| | | 1 | 14 | 22.72 | 22.90 | 22.68 | 24.00 |
| | | 8 | 0 | 22.00 | 21.85 | 21.78 | 23.00 |
| | | 8 | 4 | 21.99 | 21.87 | 21.74 | 23.00 |
| | | 8 | 7 | 21.90 | 21.86 | 21.68 | 23.00 |
| | | 15 | 0 | 21.93 | 21.85 | 21.39 | 23.00 |
| | 64QAM | 1 | 0 | 22.83 | 22.44 | 22.57 | 23.00 |
| | | 1 | 7 | 22.76 | 22.51 | 22.75 | 23.00 |
| | | 1 | 14 | 22.73 | 22.62 | 22.56 | 23.00 |
| | | 8 | 0 | 21.98 | 21.73 | 21.65 | 22.00 |
| | | 8 | 4 | 21.85 | 21.79 | 21.61 | 22.00 |
| | | 8 | 7 | 21.91 | 21.75 | 21.60 | 22.00 |
| | | 15 | 0 | 21.88 | 21.72 | 21.54 | 22.00 |

| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
|---|---|---|---|---|---|---|---|
| 5MHz | QPSK | 1 | 0 | 23.83 | 23.97 | 23.77 | 25.00 |
| | | 1 | 13 | 24.03 | 23.85 | 23.90 | 25.00 |
| | | 1 | 24 | 23.91 | 23.80 | 23.15 | 25.00 |
| | | 12 | 0 | 23.03 | 22.95 | 22.71 | 24.00 |
| | | 12 | 6 | 22.94 | 22.96 | 22.52 | 24.00 |
| | | 12 | 13 | 22.90 | 22.94 | 22.54 | 24.00 |
| | | 25 | 0 | 22.98 | 22.94 | 22.83 | 24.00 |
| | 16QAM | 1 | 0 | 23.03 | 23.02 | 23.30 | 24.00 |
| | | 1 | 13 | 23.40 | 23.17 | 23.08 | 24.00 |
| | | 1 | 24 | 23.29 | 23.12 | 22.54 | 24.00 |
| | | 12 | 0 | 22.20 | 21.94 | 21.77 | 23.00 |
| | | 12 | 6 | 22.03 | 21.92 | 21.81 | 23.00 |
| | | 12 | 13 | 22.06 | 21.86 | 21.58 | 23.00 |
| | | 25 | 0 | 21.98 | 21.83 | 21.59 | 23.00 |
| | 64QAM | 1 | 0 | 22.81 | 22.89 | 22.66 | 23.00 |
| | | 1 | 13 | 23.00 | 22.72 | 22.81 | 23.00 |
| | | 1 | 24 | 22.86 | 22.67 | 22.14 | 23.00 |
| | | 12 | 0 | 21.93 | 21.86 | 21.65 | 22.00 |
| | | 12 | 6 | 21.84 | 21.86 | 21.46 | 22.00 |
| | | 12 | 13 | 21.82 | 21.90 | 21.47 | 22.00 |
| | | 25 | 0 | 21.90 | 21.85 | 21.83 | 22.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz | QPSK | 1 | 0 | 24.05 | 24.04 | 23.92 | 25.00 |
| | | 1 | 25 | 23.94 | 23.87 | 23.71 | 25.00 |
| | | 1 | 49 | 23.95 | 23.83 | 23.80 | 25.00 |
| | | 25 | 0 | 23.01 | 22.99 | 22.86 | 24.00 |
| | | 25 | 13 | 23.00 | 22.88 | 22.83 | 24.00 |
| | | 25 | 25 | 22.95 | 23.00 | 22.84 | 24.00 |
| | | 50 | 0 | 23.04 | 22.95 | 22.84 | 24.00 |
| | 16QAM | 1 | 0 | 23.05 | 23.30 | 23.15 | 24.00 |
| | | 1 | 25 | 23.50 | 23.48 | 23.26 | 24.00 |
| | | 1 | 49 | 23.00 | 22.81 | 22.03 | 24.00 |
| | | 25 | 0 | 22.14 | 22.05 | 21.88 | 23.00 |
| | | 25 | 13 | 21.95 | 22.01 | 21.77 | 23.00 |
| | | 25 | 25 | 22.06 | 21.86 | 21.82 | 23.00 |
| | | 50 | 0 | 22.02 | 21.98 | 22.15 | 23.00 |
| | 64QAM | 1 | 0 | 22.96 | 22.98 | 22.84 | 23.00 |
| | | 1 | 25 | 22.84 | 22.81 | 22.61 | 23.00 |
| | | 1 | 49 | 22.85 | 22.81 | 22.67 | 23.00 |
| | | 25 | 0 | 21.94 | 21.94 | 21.84 | 22.00 |
| | | 25 | 13 | 21.99 | 21.76 | 21.70 | 22.00 |
| | | 25 | 25 | 21.87 | 21.90 | 21.82 | 22.00 |
| | | 50 | 0 | 21.99 | 21.91 | 21.73 | 22.00 |

| Bandwidth | Modulation | RB size | RB offset | Channel 20025 | Channel 20175 | Channel 20325 | Tune up |
|---|---|---|---|---|---|---|---|
| 15MHz | QPSK | 1 | 0 | 24.06 | 23.93 | 23.87 | 25.00 |
| | | 1 | 38 | 23.42 | 23.40 | 23.34 | 25.00 |
| | | 1 | 74 | 23.55 | 23.41 | 23.19 | 25.00 |
| | | 36 | 0 | 22.30 | 22.44 | 22.52 | 24.00 |
| | | 36 | 18 | 22.39 | 22.49 | 22.42 | 24.00 |
| | | 36 | 39 | 22.43 | 22.35 | 22.24 | 24.00 |
| | | 75 | 0 | 22.46 | 22.44 | 22.19 | 24.00 |
| | 16QAM | 1 | 0 | 22.52 | 22.68 | 23.37 | 24.00 |
| | | 1 | 38 | 23.28 | 22.87 | 22.60 | 24.00 |
| | | 1 | 74 | 22.65 | 22.47 | 22.30 | 24.00 |
| | | 36 | 0 | 21.30 | 21.43 | 21.54 | 23.00 |
| | | 36 | 18 | 21.47 | 21.47 | 21.43 | 23.00 |
| | | 36 | 39 | 21.49 | 21.35 | 21.23 | 23.00 |
| | | 75 | 0 | 21.43 | 21.34 | 21.36 | 23.00 |
| | 64QAM | 1 | 0 | 22.99 | 22.85 | 22.76 | 23.00 |
| | | 1 | 38 | 22.30 | 22.40 | 22.22 | 23.00 |
| | | 1 | 74 | 22.49 | 22.28 | 22.10 | 23.00 |
| | | 36 | 0 | 21.28 | 21.44 | 21.45 | 22.00 |
| | | 36 | 18 | 21.26 | 21.40 | 21.41 | 22.00 |
| | | 36 | 39 | 21.34 | 21.24 | 21.15 | 22.00 |
| | | 75 | 0 | 21.36 | 21.43 | 21.11 | 22.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 20050 | Channel 20175 | Channel 20300 | Tune up |
| 20MHz | QPSK | 1 | 0 | 23.85 | 23.65 | 23.65 | 25.00 |
| | | 1 | 50 | **23.96** | **24.10** | **24.09** | 25.00 |
| | | 1 | 99 | 23.43 | 23.45 | 23.25 | 25.00 |
| | | 50 | 0 | **22.42** | **22.56** | **22.49** | 24.00 |
| | | 50 | 25 | 22.41 | 22.39 | 22.16 | 24.00 |
| | | 50 | 50 | 22.38 | 22.38 | 22.25 | 24.00 |
| | | 100 | 0 | 22.39 | **22.61** | 22.36 | 24.00 |
| | 16QAM | 1 | 0 | 22.24 | 22.25 | 22.45 | 24.00 |
| | | 1 | 50 | 22.35 | 22.43 | 22.29 | 24.00 |
| | | 1 | 99 | 22.28 | 22.25 | 22.36 | 24.00 |
| | | 50 | 0 | 21.23 | 21.43 | 21.32 | 23.00 |
| | | 50 | 25 | 21.41 | 21.33 | 21.28 | 23.00 |
| | | 50 | 50 | 21.32 | 21.39 | 21.23 | 23.00 |
| | | 100 | 0 | 21.50 | 21.41 | 21.22 | 23.00 |
| | 64QAM | 1 | 0 | 22.82 | 22.63 | 22.60 | 23.00 |
| | | 1 | 50 | 22.85 | 23.00 | 22.84 | 23.00 |
| | | 1 | 99 | 22.39 | 22.44 | 22.12 | 23.00 |
| | | 50 | 0 | 21.39 | 21.50 | 21.42 | 22.00 |
| | | 50 | 25 | 21.37 | 21.34 | 21.09 | 22.00 |
| | | 50 | 50 | 21.38 | 21.25 | 21.17 | 22.00 |
| | | 100 | 0 | 21.31 | 21.61 | 21.23 | 22.00 |

| LTE Band 4 Receiver off+Sensor on | | | | Conducted Power(dBm) | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth | Modulation | RB size | RB offset | Channel 19957 | Channel 20175 | Channel 20393 | Tune up |
| 1.4MHz | QPSK | 1 | 0 | 18.86 | 18.52 | 18.60 | 20.00 |
| | | 1 | 2 | 19.13 | 18.69 | 18.42 | 20.00 |
| | | 1 | 5 | 18.98 | 18.66 | 18.23 | 20.00 |
| | | 3 | 0 | 18.76 | 18.75 | 18.55 | 20.00 |
| | | 3 | 1 | 18.96 | 18.77 | 18.58 | 20.00 |
| | | 3 | 3 | 18.89 | 18.70 | 18.57 | 20.00 |
| | | 6 | 0 | 18.77 | 18.64 | 18.45 | 20.00 |
| | 16QAM | 1 | 0 | 19.20 | 19.16 | 18.99 | 20.00 |
| | | 1 | 2 | 19.00 | 19.13 | 18.80 | 20.00 |
| | | 1 | 5 | 19.09 | 19.11 | 18.52 | 20.00 |
| | | 3 | 0 | 19.00 | 18.50 | 18.70 | 20.00 |
| | | 3 | 1 | 19.00 | 18.82 | 18.70 | 20.00 |
| | | 3 | 3 | 19.05 | 18.74 | 18.68 | 20.00 |
| | | 6 | 0 | 18.89 | 18.80 | 18.76 | 20.00 |
| | 64QAM | 1 | 0 | 18.82 | 18.44 | 18.52 | 20.00 |
| | | 1 | 2 | 19.06 | 18.65 | 18.38 | 20.00 |
| | | 1 | 5 | 18.89 | 18.63 | 18.10 | 20.00 |
| | | 3 | 0 | 18.65 | 18.71 | 18.43 | 20.00 |
| | | 3 | 1 | 18.88 | 18.76 | 18.52 | 20.00 |
| | | 3 | 3 | 18.76 | 18.59 | 18.55 | 20.00 |
| | | 6 | 0 | 18.73 | 18.52 | 18.35 | 20.00 |
| Bandwidth | Modulation | RB size | RB offset | Channel 19965 | Channel 20175 | Channel 20385 | Tune up |
| 3MHz | QPSK | 1 | 0 | 18.79 | 18.58 | 18.42 | 20.00 |
| | | 1 | 7 | 18.88 | 18.68 | 18.47 | 20.00 |
| | | 1 | 14 | 18.71 | 18.67 | 18.24 | 20.00 |
| | | 8 | 0 | 19.01 | 18.66 | 18.59 | 20.00 |
| | | 8 | 4 | 18.83 | 18.73 | 18.60 | 20.00 |
| | | 8 | 7 | 18.81 | 18.68 | 18.58 | 20.00 |
| | | 15 | 0 | 18.78 | 18.79 | 18.58 | 20.00 |
| | 16QAM | 1 | 0 | 19.11 | 19.10 | 18.71 | 20.00 |
| | | 1 | 7 | 18.85 | 19.15 | 18.68 | 20.00 |
| | | 1 | 14 | 18.76 | 19.16 | 18.53 | 20.00 |
| | | 8 | 0 | 19.05 | 18.69 | 18.76 | 20.00 |
| | | 8 | 4 | 18.89 | 18.97 | 18.68 | 20.00 |
| | | 8 | 7 | 18.91 | 18.79 | 18.66 | 20.00 |
| | | 15 | 0 | 18.86 | 18.81 | 18.62 | 20.00 |
| | 64QAM | 1 | 0 | 18.72 | 18.45 | 18.30 | 20.00 |
| | | 1 | 7 | 18.80 | 18.59 | 18.45 | 20.00 |
| | | 1 | 14 | 18.63 | 18.65 | 18.22 | 20.00 |
| | | 8 | 0 | 19.00 | 18.64 | 18.47 | 20.00 |
| | | 8 | 4 | 18.81 | 18.69 | 18.51 | 20.00 |
| | | 8 | 7 | 18.71 | 18.59 | 18.51 | 20.00 |
| | | 15 | 0 | 18.76 | 18.68 | 18.48 | 20.00 |

| Bandwidth | Modulation | RB size | RB offset | Channel 19975 | Channel 20175 | Channel 20375 | Tune up |
|---|---|---|---|---|---|---|---|
| 5MHz | QPSK | 1 | 0 | 18.94 | 18.70 | 18.64 | 20.00 |
| | | 1 | 13 | 18.93 | 18.75 | 18.58 | 20.00 |
| | | 1 | 24 | 18.77 | 18.66 | 18.29 | 20.00 |
| | | 12 | 0 | 18.93 | 18.81 | 18.65 | 20.00 |
| | | 12 | 6 | 18.86 | 18.77 | 18.69 | 20.00 |
| | | 12 | 13 | 18.84 | 18.78 | 18.51 | 20.00 |
| | | 25 | 0 | 18.88 | 18.85 | 18.66 | 20.00 |
| | 16QAM | 1 | 0 | 18.92 | 18.88 | 18.79 | 20.00 |
| | | 1 | 13 | 18.76 | 18.94 | 18.90 | 20.00 |
| | | 1 | 24 | 19.19 | 18.64 | 18.05 | 20.00 |
| | | 12 | 0 | 19.11 | 18.98 | 18.65 | 20.00 |
| | | 12 | 6 | 18.93 | 18.87 | 18.77 | 20.00 |
| | | 12 | 13 | 18.93 | 18.79 | 18.65 | 20.00 |
| | | 25 | 0 | 19.01 | 18.77 | 18.55 | 20.00 |
| | 64QAM | 1 | 0 | 18.94 | 18.61 | 18.63 | 20.00 |
| | | 1 | 13 | 18.86 | 18.71 | 18.55 | 20.00 |
| | | 1 | 24 | 18.77 | 18.64 | 18.26 | 20.00 |
| | | 12 | 0 | 18.84 | 18.68 | 18.53 | 20.00 |
| | | 12 | 6 | 18.82 | 18.65 | 18.60 | 20.00 |
| | | 12 | 13 | 18.82 | 18.70 | 18.44 | 20.00 |
| | | 25 | 0 | 18.78 | 18.74 | 18.53 | 20.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 20000 | Channel 20175 | Channel 20350 | Tune up |
| 10MHz | QPSK | 1 | 0 | 19.20 | 18.84 | 18.54 | 20.00 |
| | | 1 | 25 | 18.98 | 18.79 | 18.49 | 20.00 |
| | | 1 | 49 | 18.89 | 18.35 | 18.70 | 20.00 |
| | | 25 | 0 | 18.99 | 18.88 | 18.76 | 20.00 |
| | | 25 | 13 | 18.84 | 18.81 | 18.72 | 20.00 |
| | | 25 | 25 | 18.77 | 18.75 | 18.67 | 20.00 |
| | | 50 | 0 | 18.85 | 18.76 | 18.70 | 20.00 |
| | 16QAM | 1 | 0 | 19.15 | 18.94 | 19.04 | 20.00 |
| | | 1 | 25 | 18.95 | 19.19 | 19.01 | 20.00 |
| | | 1 | 49 | 18.96 | 18.54 | 18.06 | 20.00 |
| | | 25 | 0 | 18.86 | 18.88 | 18.71 | 20.00 |
| | | 25 | 13 | 18.99 | 18.84 | 18.70 | 20.00 |
| | | 25 | 25 | 18.85 | 18.67 | 18.57 | 20.00 |
| | | 50 | 0 | 18.93 | 18.88 | 18.74 | 20.00 |
| | 64QAM | 1 | 0 | 19.11 | 18.82 | 18.41 | 20.00 |
| | | 1 | 25 | 18.95 | 18.71 | 18.41 | 20.00 |
| | | 1 | 49 | 18.83 | 18.31 | 18.62 | 20.00 |
| | | 25 | 0 | 18.87 | 18.87 | 18.66 | 20.00 |
| | | 25 | 13 | 18.79 | 18.74 | 18.72 | 20.00 |
| | | 25 | 25 | 18.68 | 18.69 | 18.61 | 20.00 |
| | | 50 | 0 | 18.84 | 18.73 | 18.62 | 20.00 |

| Bandwidth | Modulation | RB size | RB offset | Channel 20025 | Channel 20175 | Channel 20325 | Tune up |
|---|---|---|---|---|---|---|---|
| 15MHz | QPSK | 1 | 0 | 18.76 | 19.10 | 18.94 | 20.00 |
| | | 1 | 38 | 18.61 | 18.11 | 18.27 | 20.00 |
| | | 1 | 74 | 18.55 | 18.08 | 18.12 | 20.00 |
| | | 36 | 0 | 18.49 | 18.36 | 18.11 | 20.00 |
| | | 36 | 18 | 18.32 | 18.20 | 18.09 | 20.00 |
| | | 36 | 39 | 18.31 | 18.23 | 18.07 | 20.00 |
| | | 75 | 0 | 18.27 | 18.31 | 18.04 | 20.00 |
| | 16QAM | 1 | 0 | 18.96 | 18.98 | 18.56 | 20.00 |
| | | 1 | 38 | 18.56 | 18.97 | 18.69 | 20.00 |
| | | 1 | 74 | 18.82 | 18.82 | 18.92 | 20.00 |
| | | 36 | 0 | 18.52 | 18.19 | 18.12 | 20.00 |
| | | 36 | 18 | 18.25 | 18.15 | 18.13 | 20.00 |
| | | 36 | 39 | 18.36 | 18.32 | 18.14 | 20.00 |
| | | 75 | 0 | 18.20 | 18.25 | 18.07 | 20.00 |
| | 64QAM | 1 | 0 | 18.75 | 18.99 | 18.91 | 20.00 |
| | | 1 | 38 | 18.60 | 18.08 | 18.22 | 20.00 |
| | | 1 | 74 | 18.45 | 18.05 | 18.09 | 20.00 |
| | | 36 | 0 | 18.43 | 18.35 | 18.01 | 20.00 |
| | | 36 | 18 | 18.27 | 18.12 | 18.09 | 20.00 |
| | | 36 | 39 | 18.19 | 18.14 | 18.04 | 20.00 |
| | | 75 | 0 | 18.21 | 18.19 | 18.06 | 20.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 20050 | Channel 20175 | Channel 20300 | Tune up |
| 20MHz | QPSK | 1 | 0 | 18.88 | 18.77 | 19.12 | 20.00 |
| | | 1 | 50 | 19.15 | **19.21** | 19.20 | 20.00 |
| | | 1 | 99 | 18.94 | 18.86 | 18.86 | 20.00 |
| | | 50 | 0 | 19.00 | **19.09** | 18.85 | 20.00 |
| | | 50 | 25 | 18.86 | 18.93 | 18.63 | 20.00 |
| | | 50 | 50 | 18.91 | 18.75 | 18.76 | 20.00 |
| | | 100 | 0 | 19.06 | 19.07 | 18.83 | 20.00 |
| | 16QAM | 1 | 0 | 18.89 | 18.92 | 18.88 | 20.00 |
| | | 1 | 50 | 18.82 | 18.89 | 18.81 | 20.00 |
| | | 1 | 99 | 18.80 | 18.81 | 18.89 | 20.00 |
| | | 50 | 0 | 18.82 | 18.70 | 18.59 | 20.00 |
| | | 50 | 25 | 18.44 | 18.50 | 18.35 | 20.00 |
| | | 50 | 50 | 18.77 | 18.55 | 18.34 | 20.00 |
| | | 100 | 0 | 18.74 | 18.52 | 18.42 | 20.00 |
| | 64QAM | 1 | 0 | 18.84 | 18.69 | 19.02 | 20.00 |
| | | 1 | 50 | 19.06 | 19.11 | 19.17 | 20.00 |
| | | 1 | 99 | 18.85 | 18.83 | 18.80 | 20.00 |
| | | 50 | 0 | 18.92 | 19.03 | 18.79 | 20.00 |
| | | 50 | 25 | 18.81 | 18.90 | 18.51 | 20.00 |
| | | 50 | 50 | 18.85 | 18.67 | 18.66 | 20.00 |
| | | 100 | 0 | 19.04 | 18.94 | 18.77 | 20.00 |

| LTE Band 5 | | | | Conducted Power(dBm) | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth | Modulation | RB size | RB offset | Channel 20407 | Channel 20525 | Channel 20643 | Tune up |
| 1.4MHz | QPSK | 1 | 0 | 23.64 | 23.88 | 23.67 | 25.00 |
| | | 1 | 2 | 23.82 | 23.65 | 23.87 | 25.00 |
| | | 1 | 5 | 23.46 | 23.64 | 23.66 | 25.00 |
| | | 3 | 0 | 22.71 | 22.59 | 22.45 | 24.00 |
| | | 3 | 2 | 22.80 | 22.69 | 22.87 | 24.00 |
| | | 3 | 3 | 22.70 | 22.66 | 22.64 | 24.00 |
| | | 6 | 0 | 22.45 | 22.65 | 22.55 | 24.00 |
| | 16QAM | 1 | 0 | 22.45 | 22.50 | 22.45 | 24.00 |
| | | 1 | 2 | 22.27 | 22.44 | 22.30 | 24.00 |
| | | 1 | 5 | 22.31 | 22.49 | 22.35 | 24.00 |
| | | 3 | 0 | 22.09 | 22.05 | 22.05 | 23.00 |
| | | 3 | 2 | 22.31 | 22.02 | 21.91 | 23.00 |
| | | 3 | 3 | 22.07 | 22.04 | 21.75 | 23.00 |
| | | 6 | 0 | 22.04 | 22.00 | 22.16 | 23.00 |
| | 64QAM | 1 | 0 | 21.93 | 21.97 | 21.94 | 23.00 |
| | | 1 | 2 | 21.73 | 21.89 | 21.79 | 23.00 |
| | | 1 | 5 | 21.79 | 21.96 | 21.83 | 23.00 |
| | | 3 | 0 | 21.54 | 21.55 | 21.51 | 23.00 |
| | | 3 | 2 | 21.76 | 21.52 | 21.37 | 23.00 |
| | | 3 | 3 | 21.55 | 21.53 | 21.24 | 23.00 |
| | | 6 | 0 | 21.51 | 21.46 | 21.66 | 22.00 |
| Bandwidth | Modulation | RB size | RB offset | Channel 20415 | Channel 20525 | Channel 20635 | Tune up |
| 3MHz | QPSK | 1 | 0 | 23.72 | 23.98 | 24.01 | 25.00 |
| | | 1 | 7 | 23.98 | 23.78 | 23.88 | 25.00 |
| | | 1 | 14 | 23.65 | 23.86 | 23.79 | 25.00 |
| | | 8 | 0 | 22.79 | 22.67 | 22.81 | 24.00 |
| | | 8 | 4 | 22.74 | 22.79 | 22.86 | 24.00 |
| | | 8 | 7 | 22.73 | 22.69 | 22.78 | 24.00 |
| | | 15 | 0 | 23.11 | 23.10 | 23.12 | 24.00 |
| | 16QAM | 1 | 0 | 23.31 | 22.99 | 23.64 | 24.00 |
| | | 1 | 7 | 23.05 | 23.03 | 23.22 | 24.00 |
| | | 1 | 14 | 23.00 | 23.11 | 23.34 | 24.00 |
| | | 8 | 0 | 22.25 | 22.06 | 22.16 | 23.00 |
| | | 8 | 4 | 22.17 | 22.10 | 22.23 | 23.00 |
| | | 8 | 7 | 22.19 | 22.08 | 22.10 | 23.00 |
| | | 15 | 0 | 22.27 | 22.11 | 22.04 | 23.00 |
| | 64QAM | 1 | 0 | 21.90 | 21.95 | 21.93 | 23.00 |
| | | 1 | 7 | 21.76 | 21.94 | 21.75 | 23.00 |
| | | 1 | 14 | 21.77 | 21.99 | 21.82 | 23.00 |
| | | 8 | 0 | 21.55 | 21.53 | 21.50 | 22.00 |
| | | 8 | 4 | 21.78 | 21.48 | 21.41 | 22.00 |
| | | 8 | 7 | 21.56 | 21.50 | 21.24 | 22.00 |
| | | 15 | 0 | 21.49 | 21.45 | 21.66 | 22.00 |

| Bandwidth | Modulation | RB size | RB offset | Channel 20425 | Channel 20525 | Channel 20625 | Tune up |
|---|---|---|---|---|---|---|---|
| 5MHz | QPSK | 1 | 0 | 23.85 | 23.73 | 23.99 | 25.00 |
| | | 1 | 13 | 23.73 | 23.88 | 23.89 | 25.00 |
| | | 1 | 24 | 23.79 | 23.66 | 23.59 | 25.00 |
| | | 12 | 0 | 22.78 | 22.73 | 22.65 | 24.00 |
| | | 12 | 6 | 22.70 | 22.71 | 22.72 | 24.00 |
| | | 12 | 13 | 22.72 | 22.76 | 22.75 | 24.00 |
| | | 25 | 0 | 23.07 | 23.14 | 23.13 | 24.00 |
| | 16QAM | 1 | 0 | 23.13 | 23.16 | 23.36 | 24.00 |
| | | 1 | 13 | 23.29 | 23.16 | 23.72 | 24.00 |
| | | 1 | 24 | 23.58 | 23.47 | 23.36 | 24.00 |
| | | 12 | 0 | 22.15 | 21.97 | 22.09 | 23.00 |
| | | 12 | 6 | 22.16 | 22.04 | 22.20 | 23.00 |
| | | 12 | 13 | 22.19 | 22.06 | 22.07 | 23.00 |
| | | 25 | 0 | 22.18 | 22.01 | 22.12 | 23.00 |
| | 64QAM | 1 | 0 | 21.91 | 22.00 | 21.95 | 23.00 |
| | | 1 | 13 | 21.73 | 21.94 | 21.76 | 23.00 |
| | | 1 | 24 | 21.77 | 21.96 | 21.84 | 23.00 |
| | | 12 | 0 | 21.57 | 21.52 | 21.50 | 22.00 |
| | | 12 | 6 | 21.76 | 21.50 | 21.37 | 22.00 |
| | | 12 | 13 | 21.57 | 21.53 | 21.25 | 22.00 |
| | | 25 | 0 | 21.53 | 21.45 | 21.62 | 22.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 20450 | Channel 20525 | Channel 20600 | Tune up |
| 10MHz | QPSK | 1 | 0 | 24.06 | 23.89 | 23.93 | 25.00 |
| | | 1 | 25 | 24.07 | **24.10** | 23.95 | 25.00 |
| | | 1 | 49 | 23.97 | 23.62 | 24.05 | 25.00 |
| | | 25 | 0 | 23.15 | **23.16** | 22.84 | 24.00 |
| | | 25 | 13 | 22.78 | 22.81 | 22.78 | 24.00 |
| | | 25 | 25 | 22.73 | 22.89 | 22.94 | 24.00 |
| | | 50 | 0 | 23.04 | 23.13 | 23.16 | 24.00 |
| | 16QAM | 1 | 0 | 23.39 | 22.99 | 23.25 | 24.00 |
| | | 1 | 25 | 23.34 | 23.41 | 23.25 | 24.00 |
| | | 1 | 49 | 23.44 | 22.72 | 23.20 | 24.00 |
| | | 25 | 0 | 22.17 | 22.22 | 22.13 | 23.00 |
| | | 25 | 13 | 22.09 | 22.15 | 22.20 | 23.00 |
| | | 25 | 25 | 22.19 | 22.19 | 22.22 | 23.00 |
| | | 50 | 0 | 21.99 | 22.18 | 22.20 | 23.00 |
| | 64QAM | 1 | 0 | 21.90 | 21.99 | 21.90 | 23.00 |
| | | 1 | 25 | 21.73 | 21.91 | 21.78 | 23.00 |
| | | 1 | 49 | 21.81 | 21.95 | 21.85 | 23.00 |
| | | 25 | 0 | 21.59 | 21.54 | 21.53 | 22.00 |
| | | 25 | 13 | 21.81 | 21.49 | 21.36 | 22.00 |
| | | 25 | 25 | 21.57 | 21.54 | 21.23 | 22.00 |
| | | 50 | 0 | 21.50 | 21.47 | 21.61 | 22.00 |

| LTE Band 7 Receiver on&Receiver off+Sensor off | | | | Conducted Power(dBm) | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth | Modulation | RB size | RB offset | Channel 20775 | Channel 21100 | Channel 21425 | Tune up |
| 5MHz | QPSK | 1 | 0 | 23.35 | 23.32 | 23.45 | 25.00 |
| | | 1 | 13 | 23.35 | 23.58 | 23.87 | 25.00 |
| | | 1 | 24 | 23.88 | 23.41 | 23.24 | 25.00 |
| | | 12 | 0 | 22.51 | 22.48 | 22.09 | 24.00 |
| | | 12 | 6 | 22.65 | 22.41 | 22.24 | 24.00 |
| | | 12 | 13 | 22.37 | 22.38 | 22.87 | 24.00 |
| | | 25 | 0 | 22.29 | 22.45 | 22.26 | 24.00 |
| | 16QAM | 1 | 0 | 22.78 | 23.14 | 22.34 | 24.00 |
| | | 1 | 13 | 22.81 | 22.88 | 22.26 | 24.00 |
| | | 1 | 24 | 22.62 | 22.51 | 22.64 | 24.00 |
| | | 12 | 0 | 21.54 | 21.39 | 21.08 | 23.00 |
| | | 12 | 6 | 21.38 | 21.42 | 21.20 | 23.00 |
| | | 12 | 13 | 21.36 | 21.45 | 21.25 | 23.00 |
| | | 25 | 0 | 21.32 | 21.45 | 21.06 | 23.00 |
| | 64QAM | 1 | 0 | 21.94 | 21.90 | 21.60 | 23.00 |
| | | 1 | 13 | 21.84 | 21.87 | 21.91 | 23.00 |
| | | 1 | 24 | 21.73 | 21.74 | 21.56 | 23.00 |
| | | 12 | 0 | 20.73 | 20.78 | 20.62 | 22.00 |
| | | 12 | 6 | 20.81 | 20.66 | 20.64 | 22.00 |
| | | 12 | 13 | 20.74 | 20.72 | 20.52 | 22.00 |
| | | 25 | 0 | 20.75 | 20.71 | 20.55 | 22.00 |
| Bandwidth | Modulation | RB size | RB offset | Channel 20800 | Channel 21100 | Channel 21400 | Tune up |
| 10MHz | QPSK | 1 | 0 | 23.77 | 23.50 | 23.17 | 25.00 |
| | | 1 | 25 | 23.24 | 23.43 | 23.24 | 25.00 |
| | | 1 | 49 | 23.50 | 23.53 | 23.73 | 25.00 |
| | | 25 | 0 | 22.35 | 22.42 | 22.30 | 24.00 |
| | | 25 | 13 | 22.36 | 22.38 | 22.19 | 24.00 |
| | | 25 | 25 | 22.61 | 22.46 | 22.03 | 24.00 |
| | | 50 | 0 | 22.21 | 22.46 | 22.23 | 24.00 |
| | 16QAM | 1 | 0 | 22.58 | 22.83 | 22.58 | 24.00 |
| | | 1 | 25 | 22.23 | 22.95 | 22.60 | 24.00 |
| | | 1 | 49 | 22.85 | 22.75 | 22.32 | 24.00 |
| | | 25 | 0 | 21.62 | 21.47 | 21.35 | 23.00 |
| | | 25 | 13 | 21.35 | 21.34 | 21.17 | 23.00 |
| | | 25 | 25 | 21.18 | 21.45 | 21.44 | 23.00 |
| | | 50 | 0 | 21.36 | 21.43 | 21.26 | 23.00 |
| | 64QAM | 1 | 0 | 21.98 | 21.90 | 21.62 | 23.00 |
| | | 1 | 25 | 21.88 | 21.87 | 21.89 | 23.00 |
| | | 1 | 49 | 21.75 | 21.73 | 21.54 | 23.00 |
| | | 25 | 0 | 20.73 | 20.78 | 20.59 | 22.00 |
| | | 25 | 13 | 20.83 | 20.66 | 20.66 | 22.00 |
| | | 25 | 25 | 20.75 | 20.74 | 20.56 | 22.00 |
| | | 50 | 0 | 20.74 | 20.67 | 20.57 | 22.00 |

| Bandwidth | Modulation | RB size | RB offset | Channel 20825 | Channel 21100 | Channel 21375 | Tune up |
|---|---|---|---|---|---|---|---|
| 15MHz | QPSK | 1 | 0 | 23.81 | 23.21 | 23.27 | 25.00 |
| | | 1 | 38 | 23.40 | 23.31 | 23.54 | 25.00 |
| | | 1 | 74 | 23.56 | 23.55 | 23.45 | 25.00 |
| | | 36 | 0 | 22.44 | 22.30 | 22.18 | 24.00 |
| | | 36 | 18 | 22.32 | 22.25 | 22.20 | 24.00 |
| | | 36 | 39 | 22.45 | 22.18 | 22.08 | 24.00 |
| | | 75 | 0 | 22.24 | 22.31 | 22.17 | 24.00 |
| | 16QAM | 1 | 0 | 22.88 | 22.50 | 22.50 | 24.00 |
| | | 1 | 38 | 22.60 | 22.60 | 22.25 | 24.00 |
| | | 1 | 74 | 22.65 | 22.62 | 22.10 | 24.00 |
| | | 36 | 0 | 21.26 | 21.33 | 21.17 | 23.00 |
| | | 36 | 18 | 21.32 | 21.27 | 21.22 | 23.00 |
| | | 36 | 39 | 21.48 | 21.17 | 21.08 | 23.00 |
| | | 75 | 0 | 21.45 | 21.31 | 21.19 | 23.00 |
| | 64QAM | 1 | 0 | 21.99 | 21.91 | 21.61 | 23.00 |
| | | 1 | 38 | 21.87 | 21.89 | 21.94 | 23.00 |
| | | 1 | 74 | 21.74 | 21.73 | 21.56 | 23.00 |
| | | 36 | 0 | 20.70 | 20.81 | 20.58 | 22.00 |
| | | 36 | 18 | 20.82 | 20.68 | 20.69 | 22.00 |
| | | 36 | 39 | 20.74 | 20.73 | 20.57 | 22.00 |
| | | 75 | 0 | 20.74 | 20.66 | 20.55 | 22.00 |
| **Bandwidth** | Modulation | RB size | RB offset | Channel 20850 | Channel 21100 | Channel 21350 | Tune up |
| 20MHz | QPSK | 1 | 0 | 23.87 | 23.26 | 23.29 | 25.00 |
| | | 1 | 50 | 23.42 | **23.87** | 23.55 | 25.00 |
| | | 1 | 99 | 23.59 | 23.59 | 23.49 | 25.00 |
| | | 50 | 0 | 22.44 | **23.05** | 22.23 | 24.00 |
| | | 50 | 25 | 22.33 | 22.29 | 22.20 | 24.00 |
| | | 50 | 50 | 22.49 | 22.20 | 22.11 | 24.00 |
| | | 100 | 0 | 22.25 | 22.36 | 22.19 | 24.00 |
| | 16QAM | 1 | 0 | 22.93 | 22.51 | 22.52 | 24.00 |
| | | 1 | 50 | 22.88 | 22.91 | 22.94 | 24.00 |
| | | 1 | 99 | 22.75 | 22.75 | 22.56 | 24.00 |
| | | 50 | 0 | 21.73 | 21.83 | 21.63 | 23.00 |
| | | 50 | 25 | 21.85 | 21.71 | 21.69 | 23.00 |
| | | 50 | 50 | 21.79 | 21.74 | 21.57 | 23.00 |
| | | 100 | 0 | 21.75 | 21.71 | 21.58 | 23.00 |
| | 64QAM | 1 | 0 | 21.99 | 21.90 | 21.59 | 23.00 |
| | | 1 | 50 | 21.85 | 21.90 | 21.93 | 23.00 |
| | | 1 | 99 | 21.75 | 21.71 | 21.51 | 23.00 |
| | | 50 | 0 | 20.71 | 20.78 | 20.59 | 22.00 |
| | | 50 | 25 | 20.85 | 20.68 | 20.68 | 22.00 |
| | | 50 | 50 | 20.79 | 20.74 | 20.52 | 22.00 |
| | | 100 | 0 | 20.74 | 20.70 | 20.54 | 22.00 |