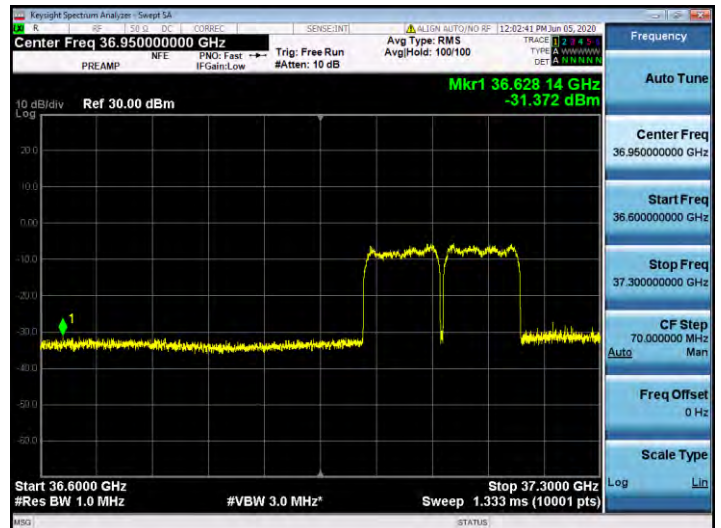
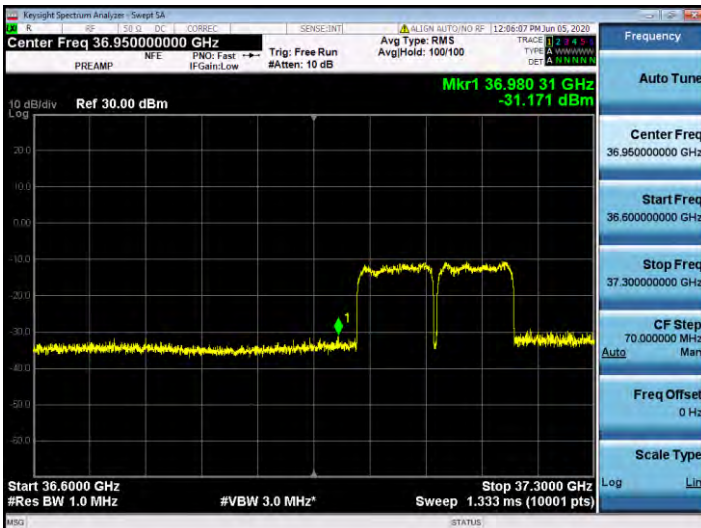
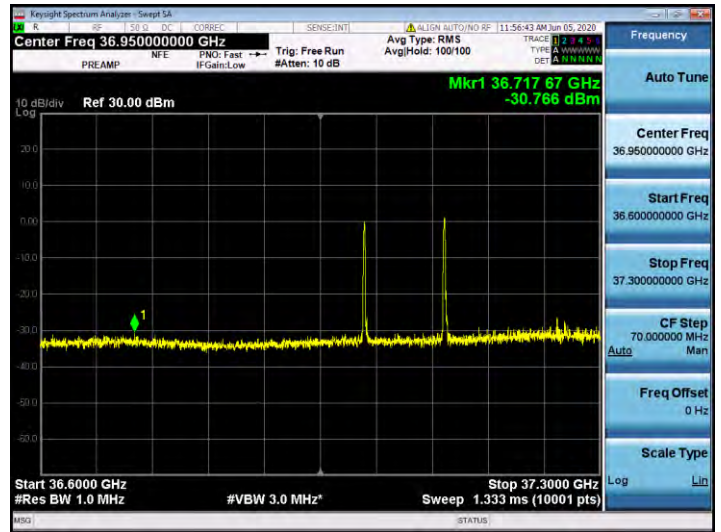
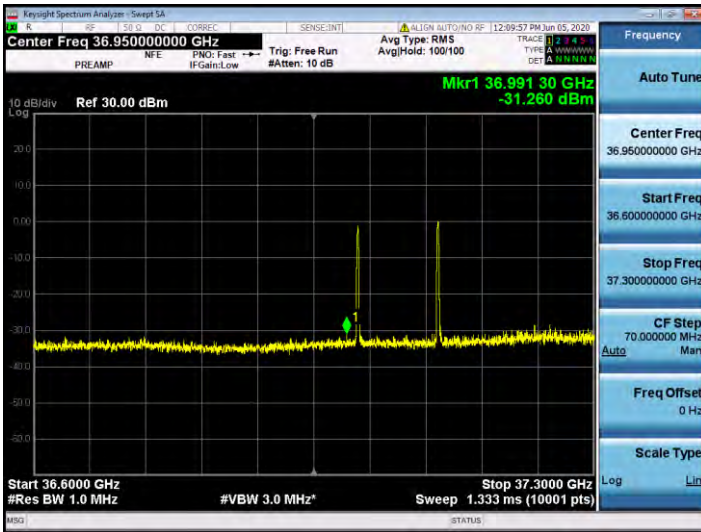
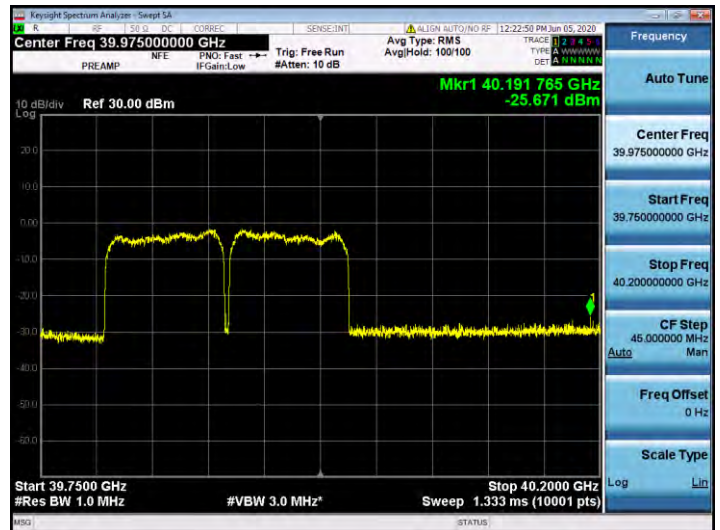
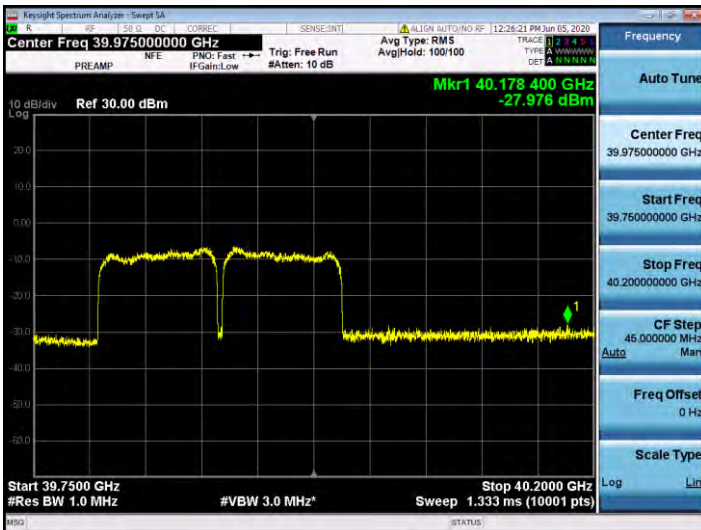
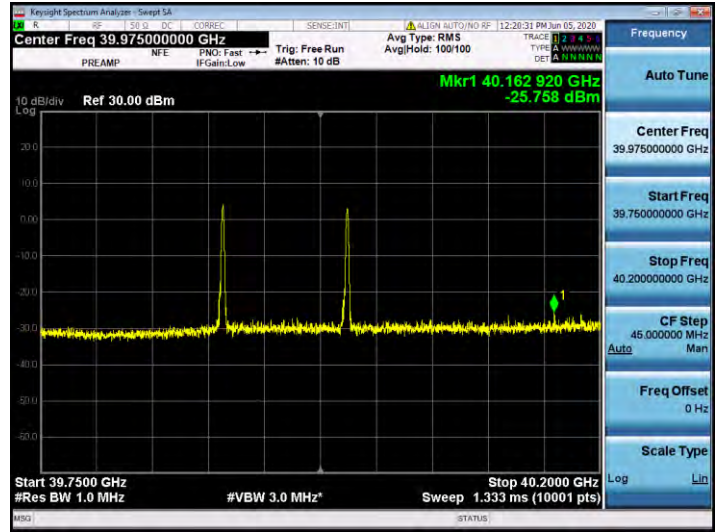
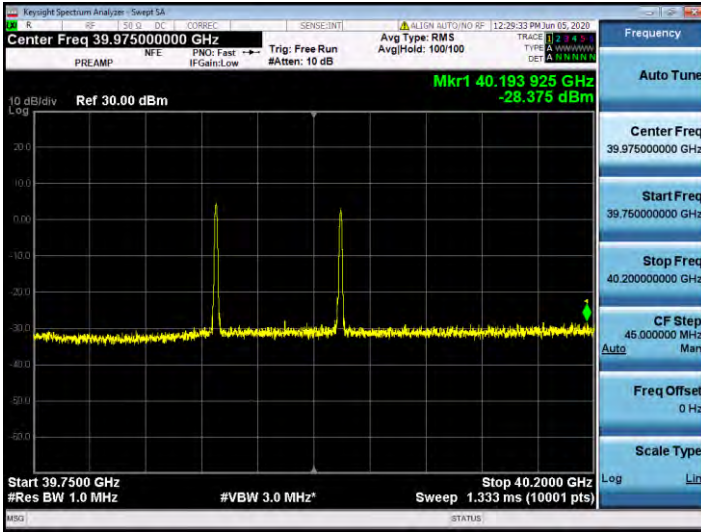


100 MHz, 2CC MIMO

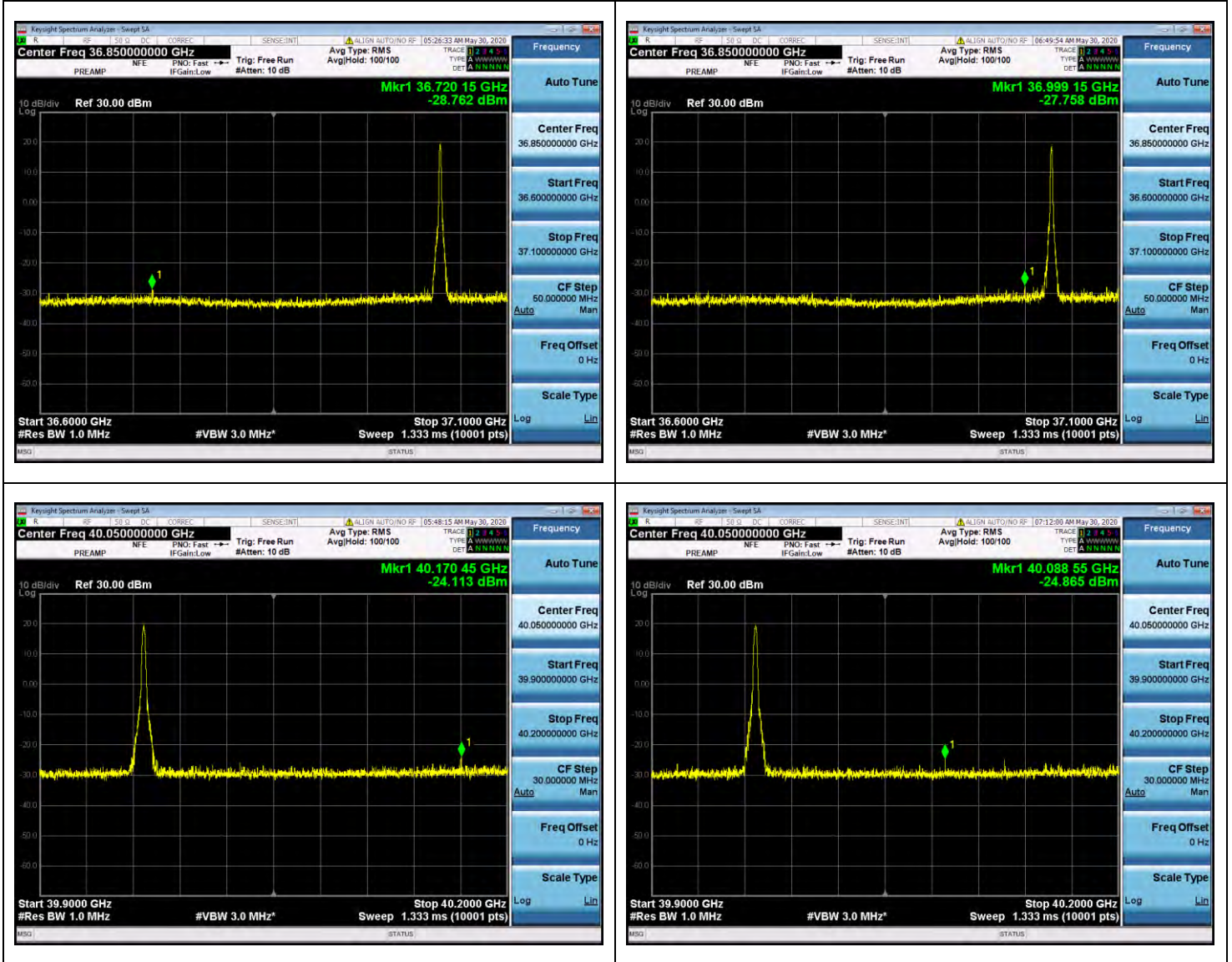


100 MHz, 2CC MIMO



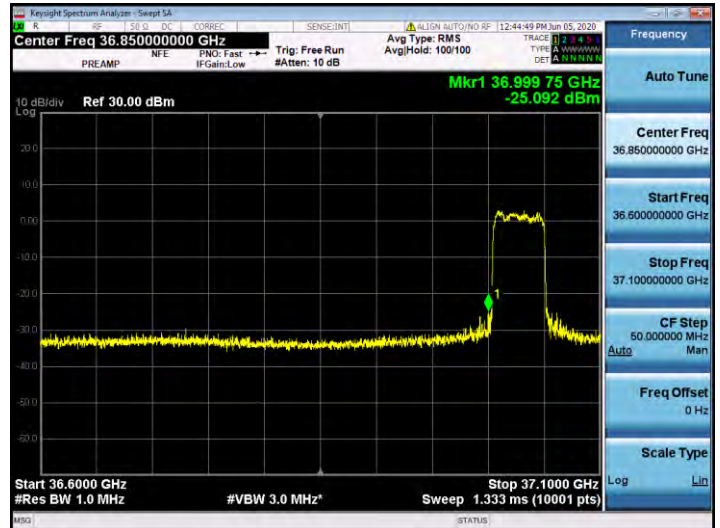
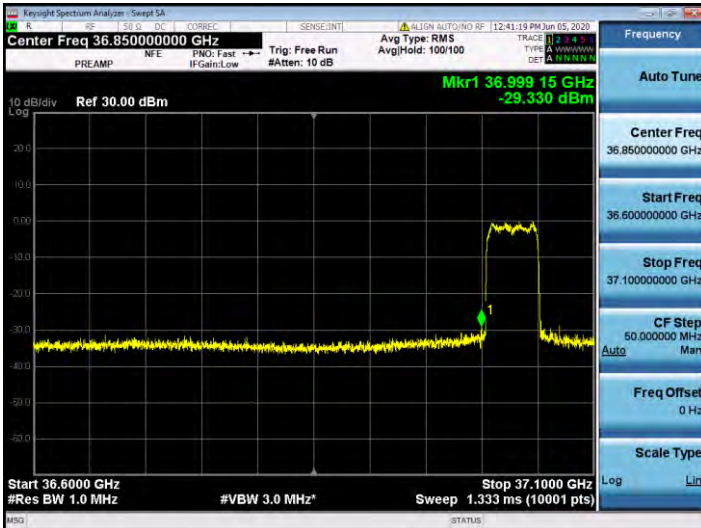
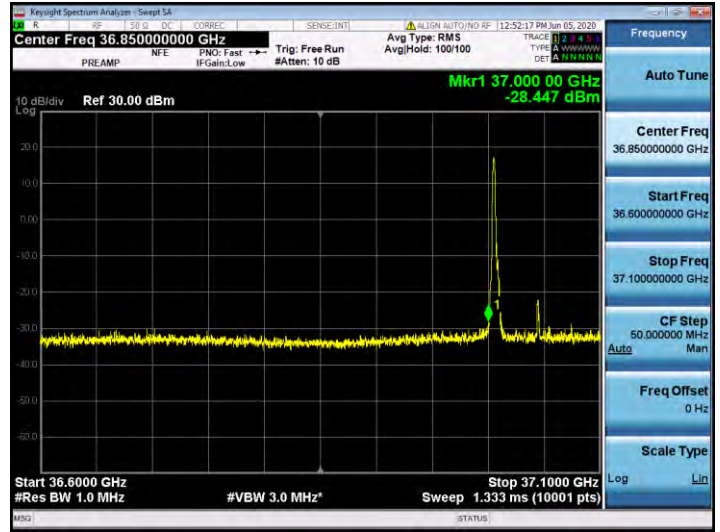
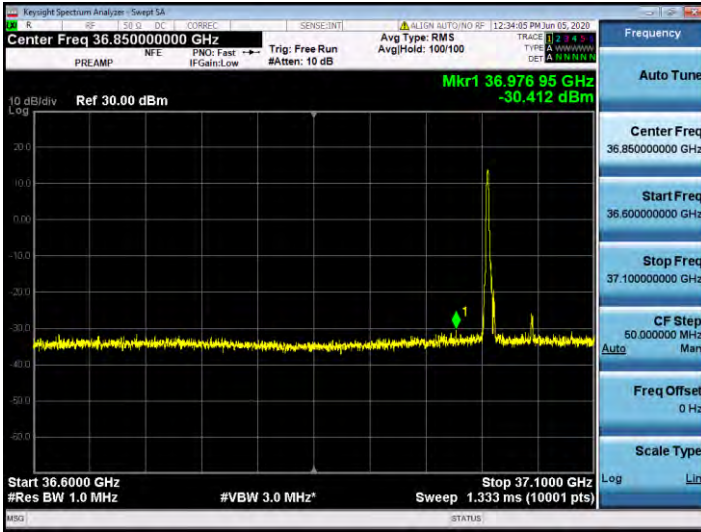
4. Antenna 1(K patch), n260

50 MHz, 1CC SISO

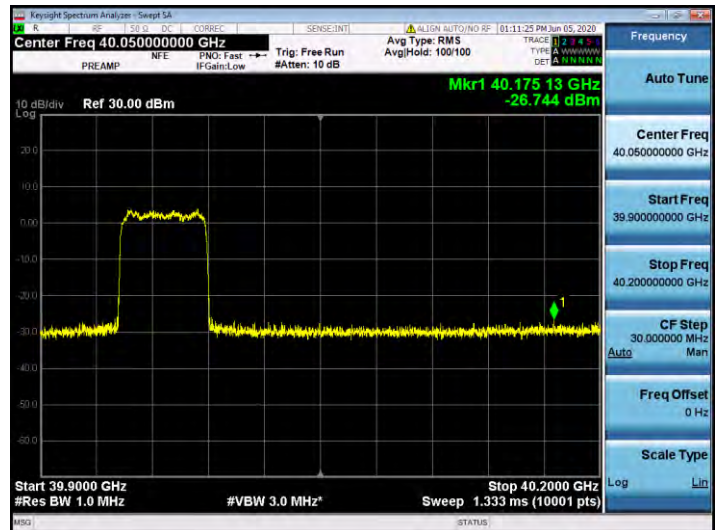
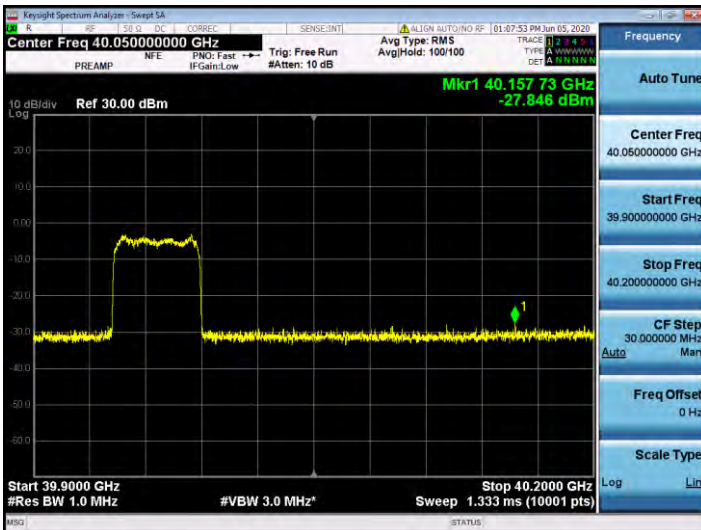
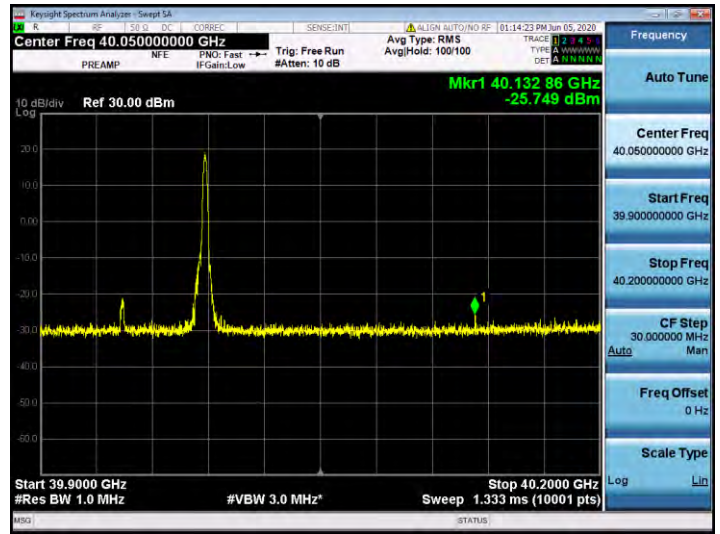
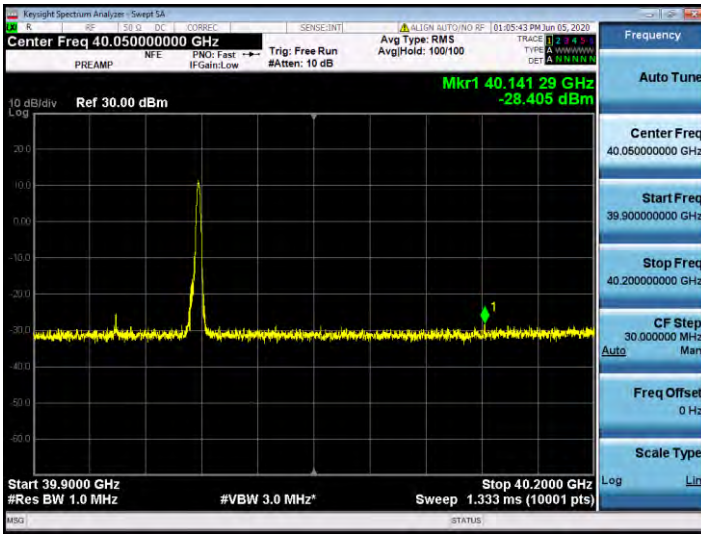




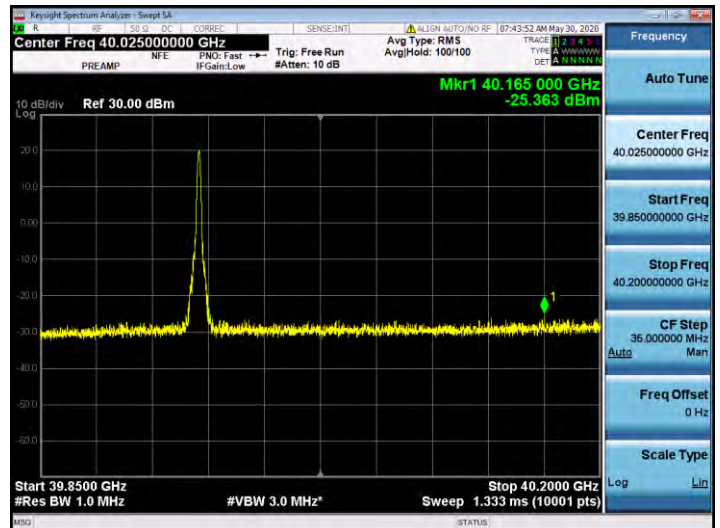
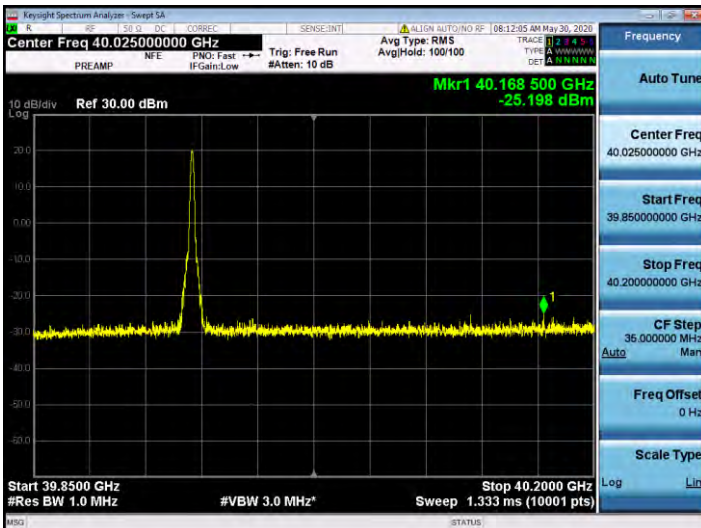
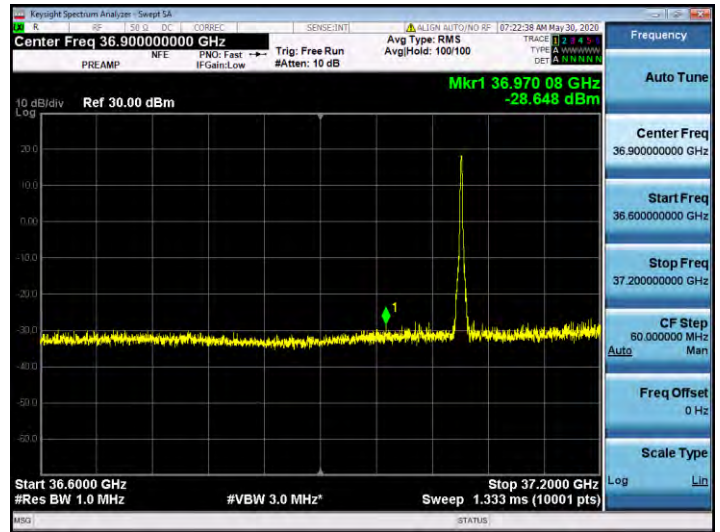
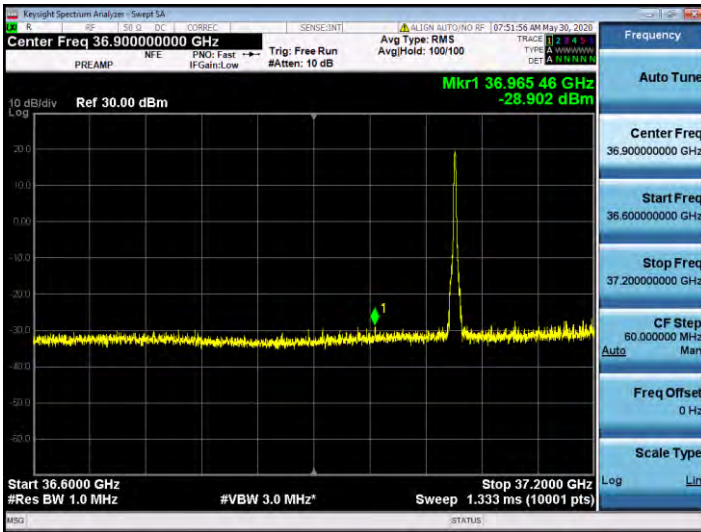
**50 MHz, 1CC MIMO**



50 MHz, 1CC MIMO

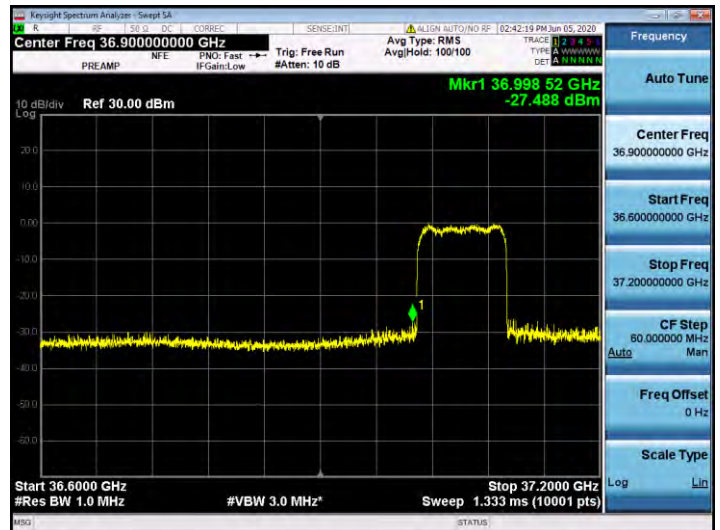
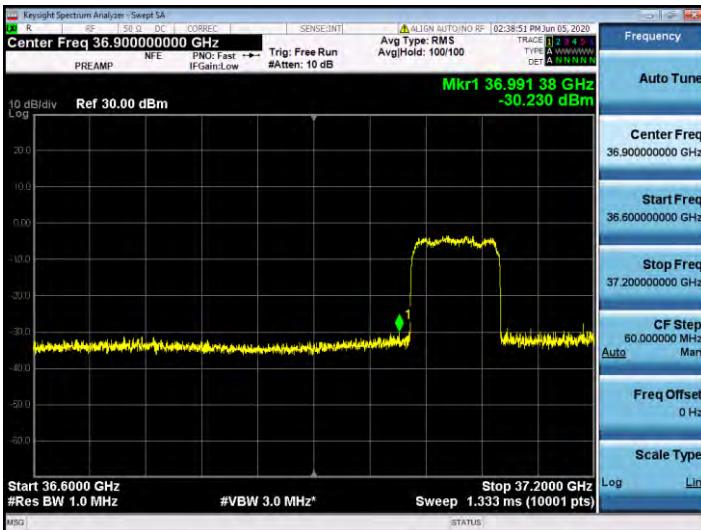
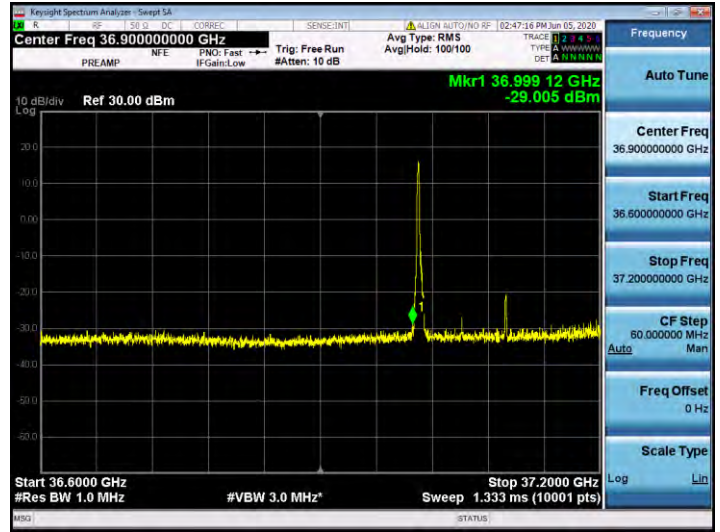
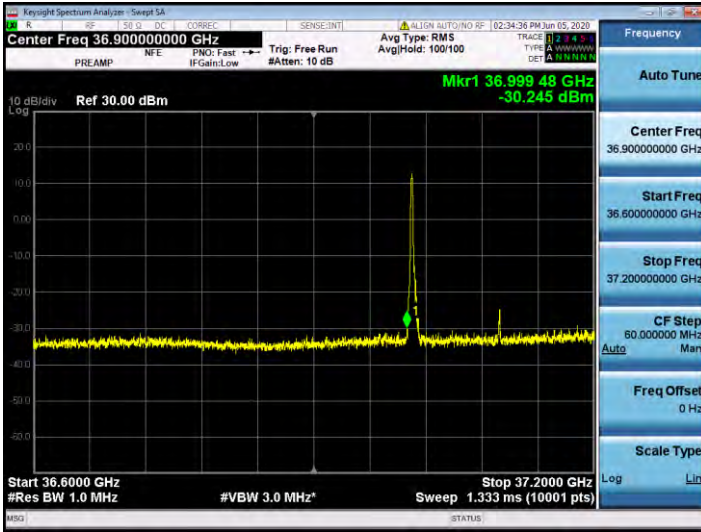


100 MHz, 1CC SISO

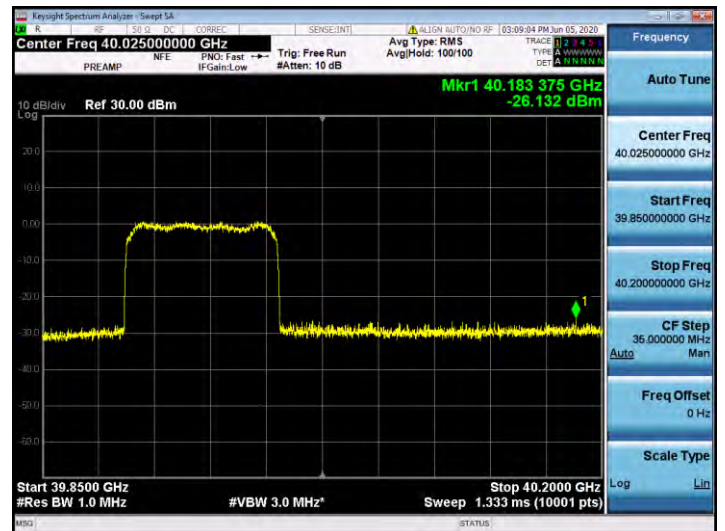
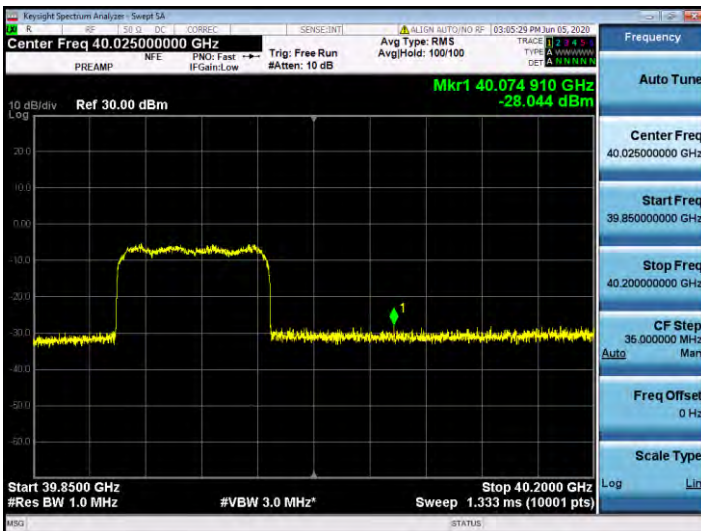
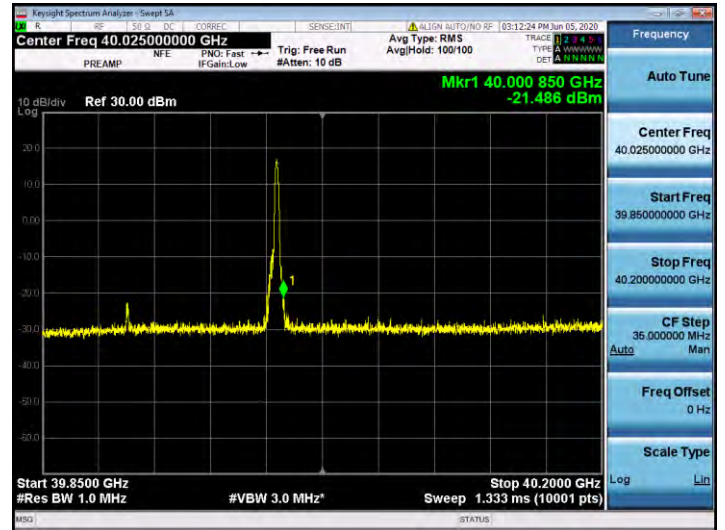
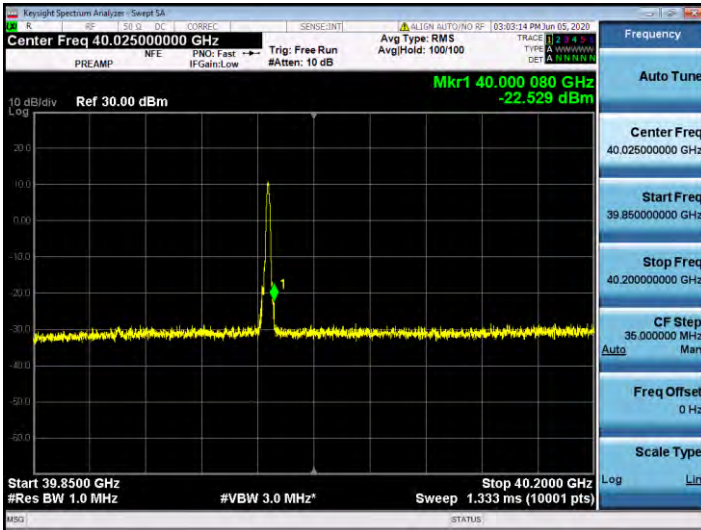




100 MHz, 1CC MIMO

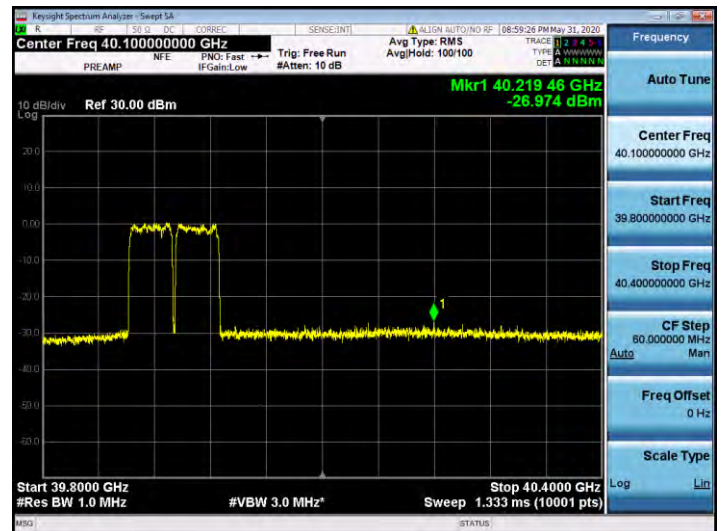
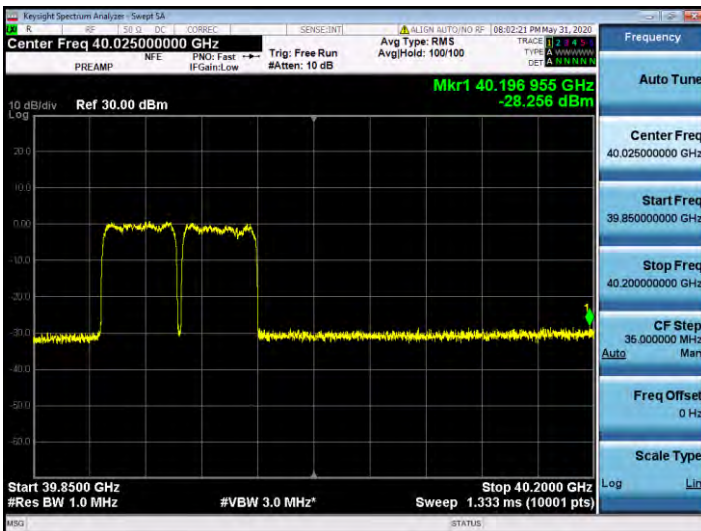
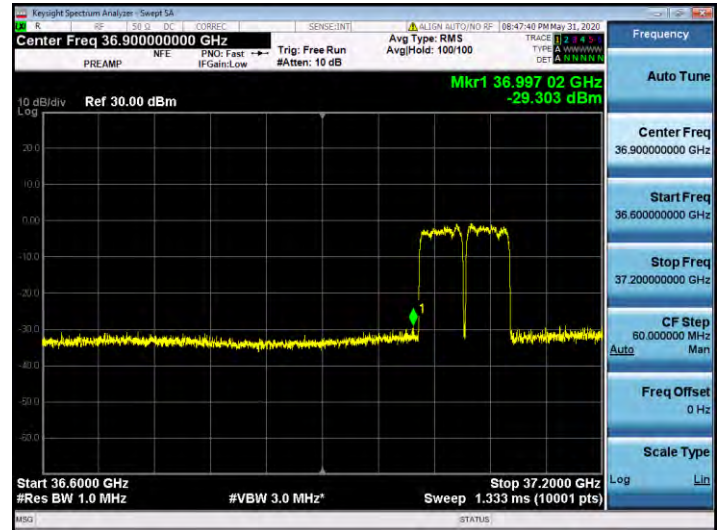
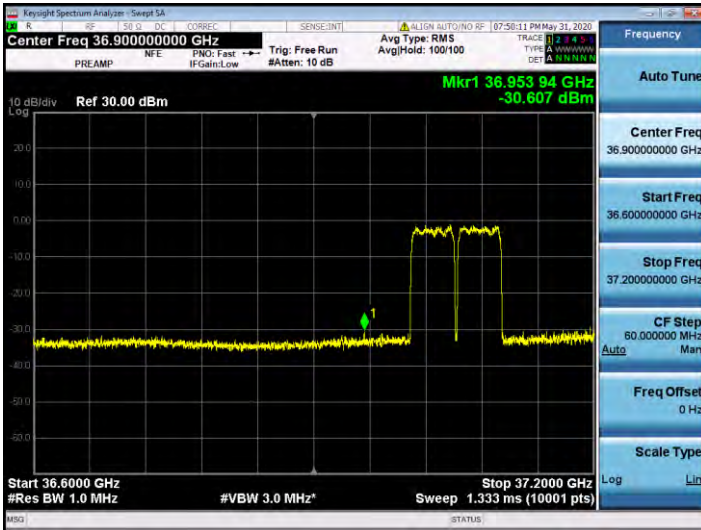


100 MHz, 1CC MIMO

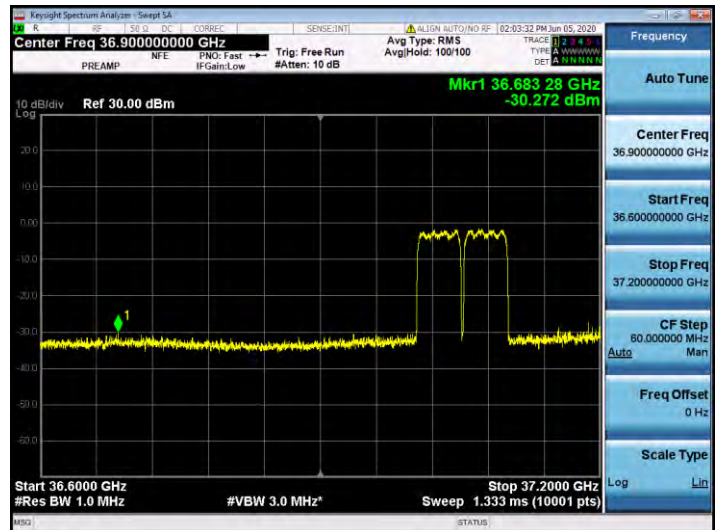
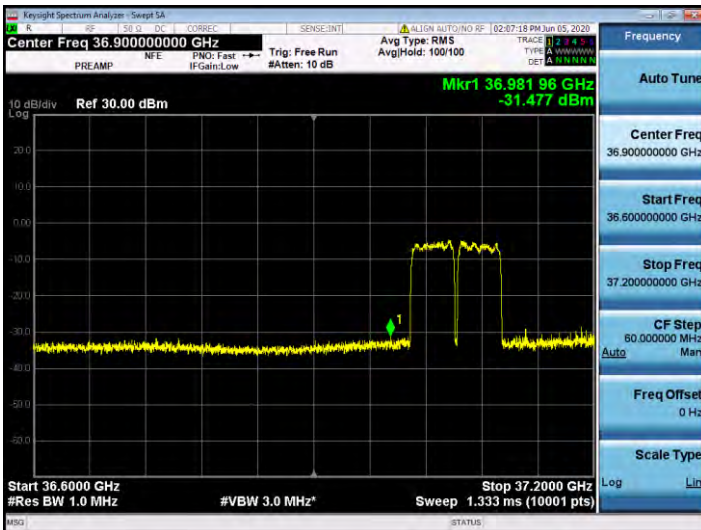
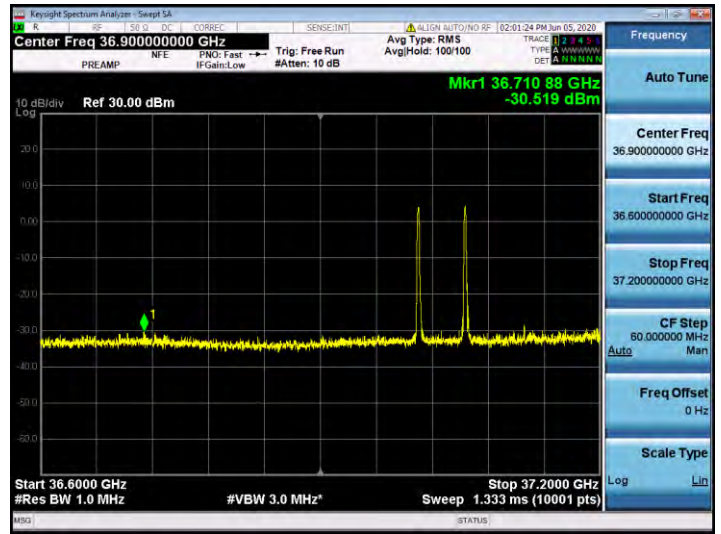
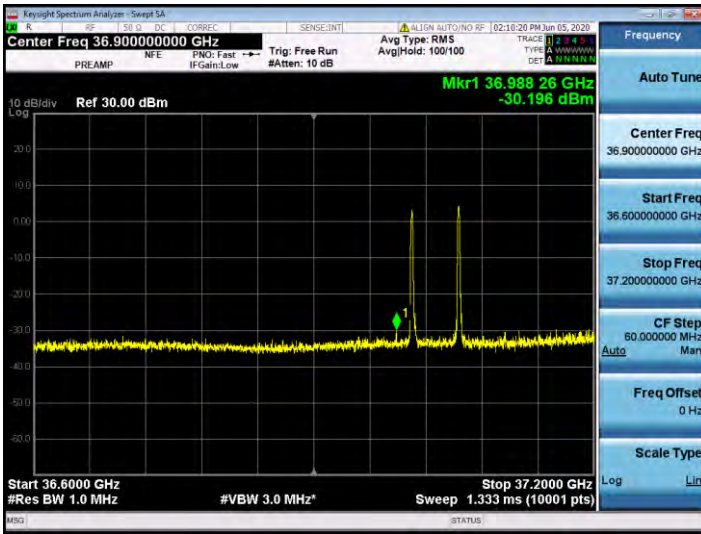




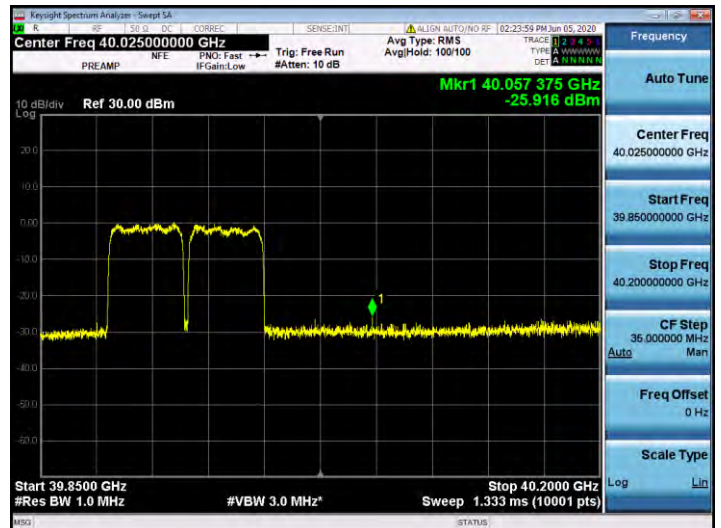
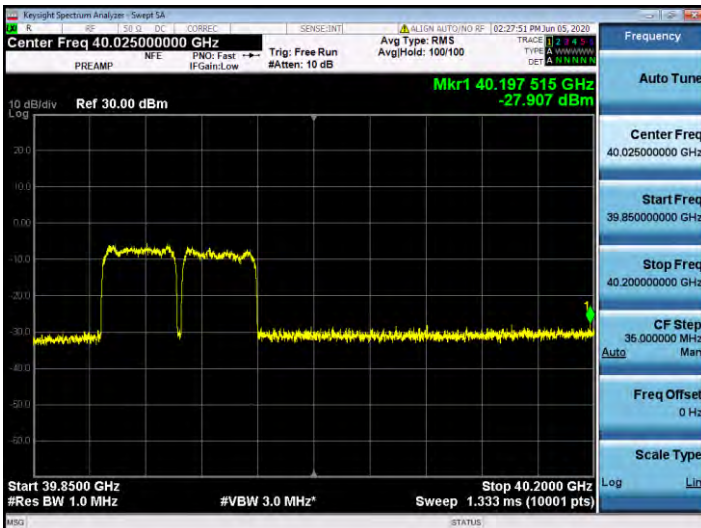
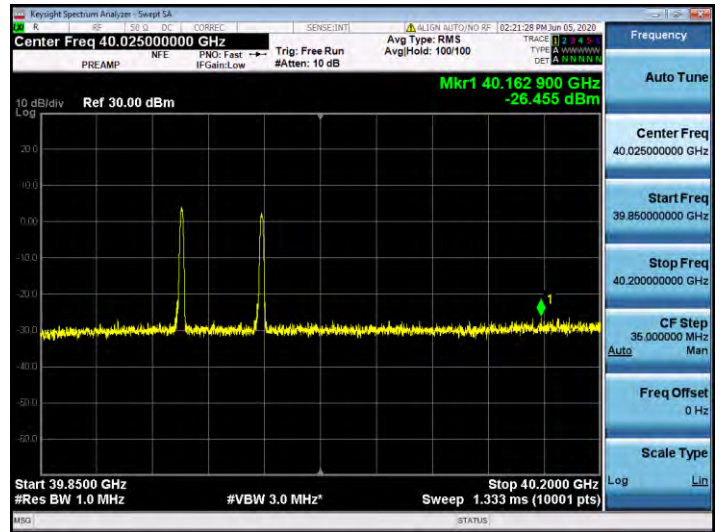
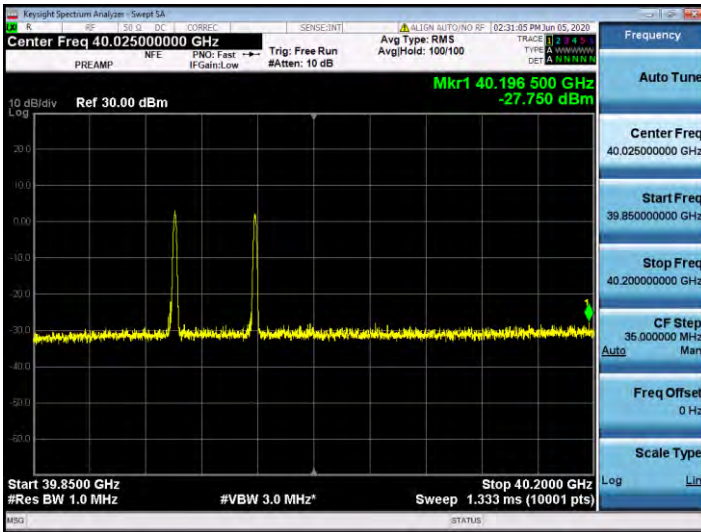
**50 MHz, 2CC SISO**



50 MHz, 2CC MIMO

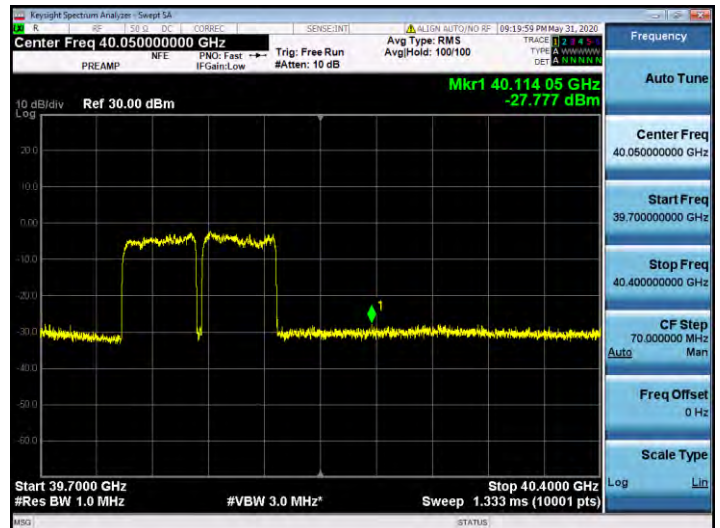
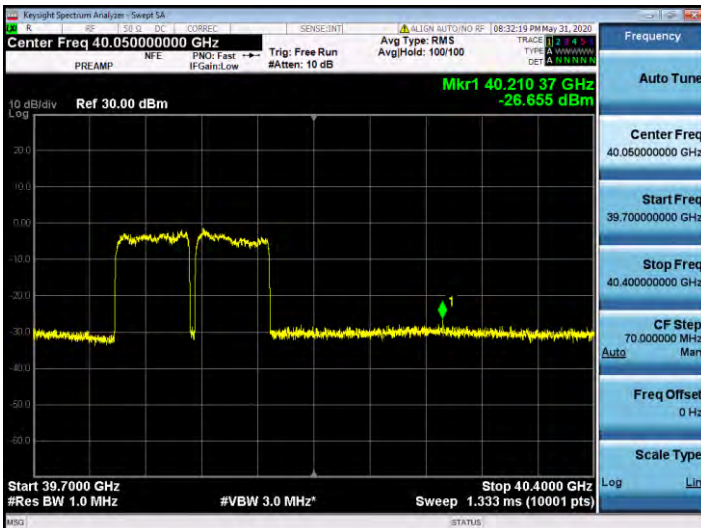
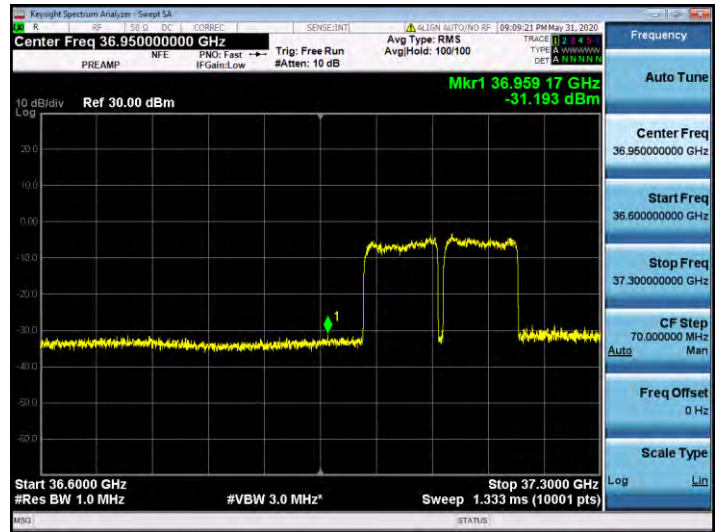
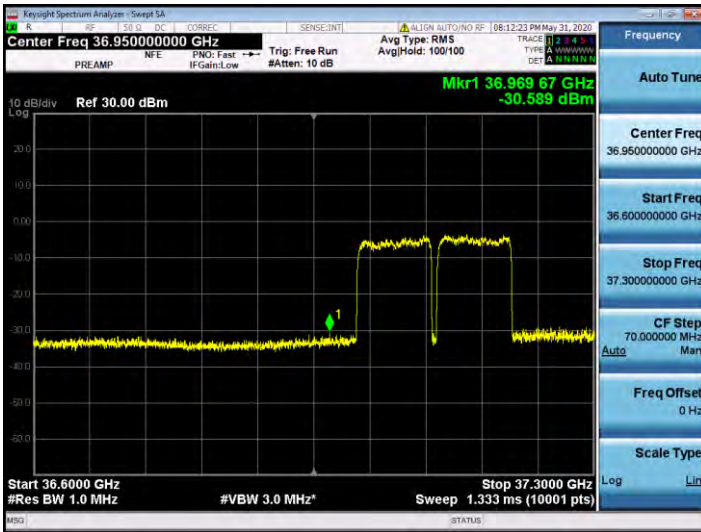


**50 MHz, 2CC MIMO**

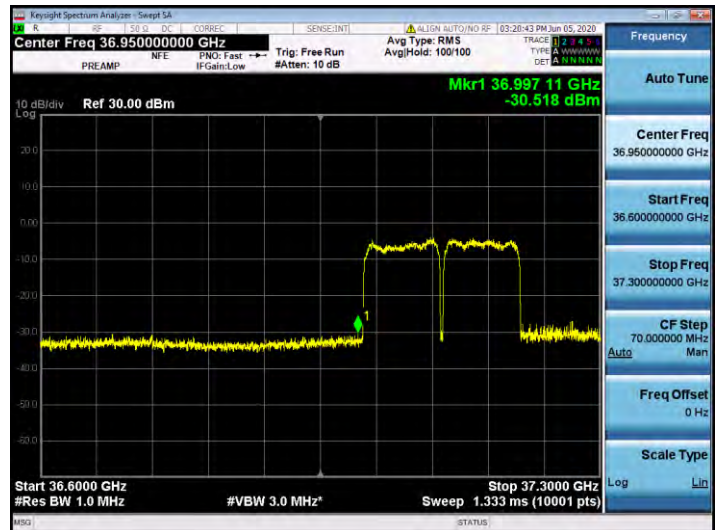
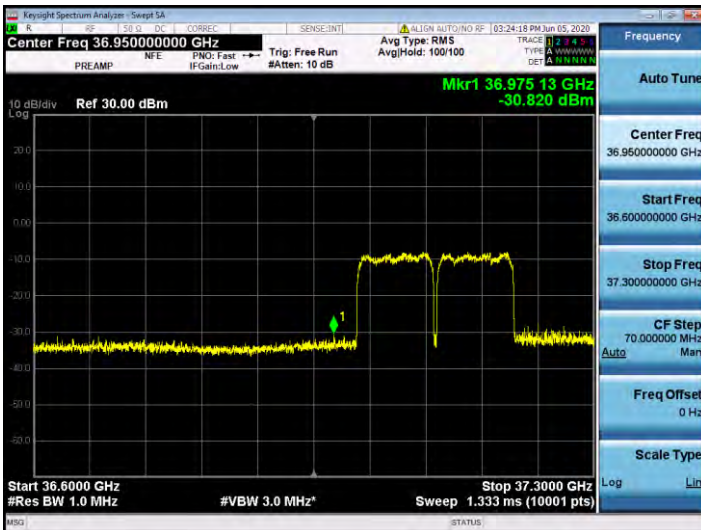
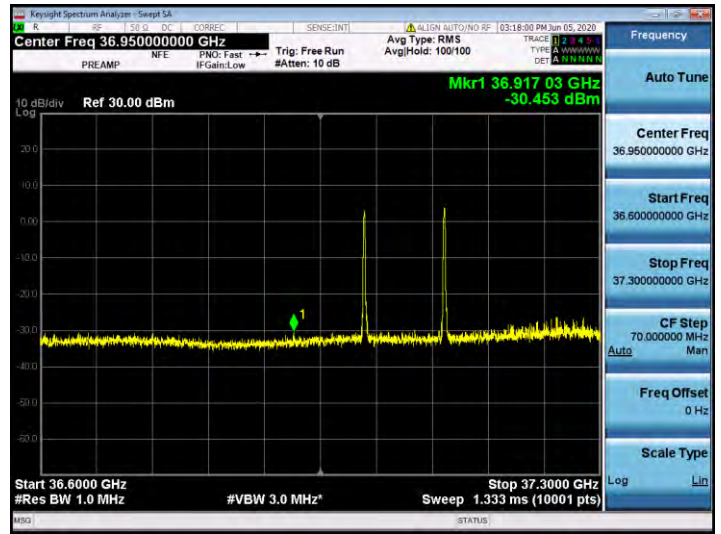
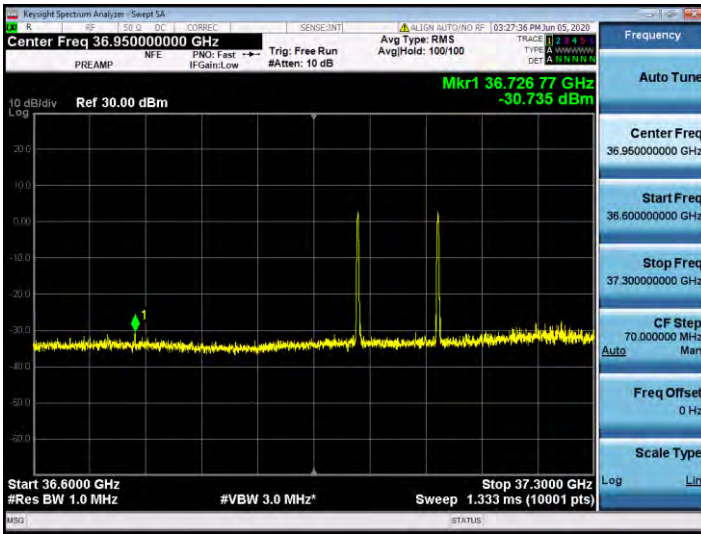




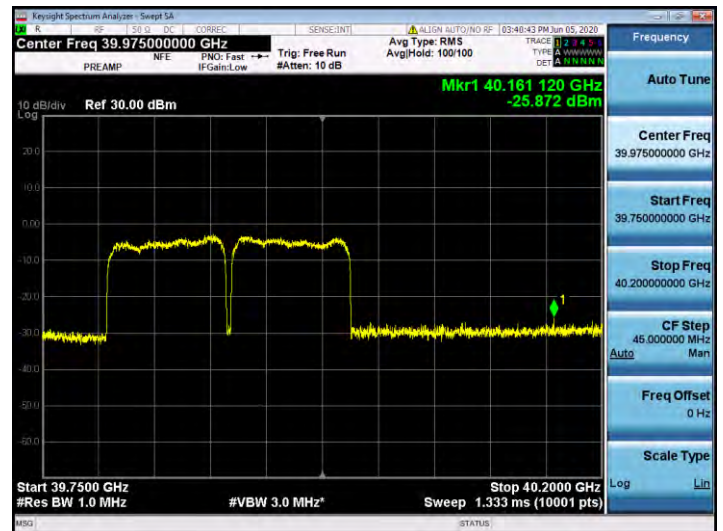
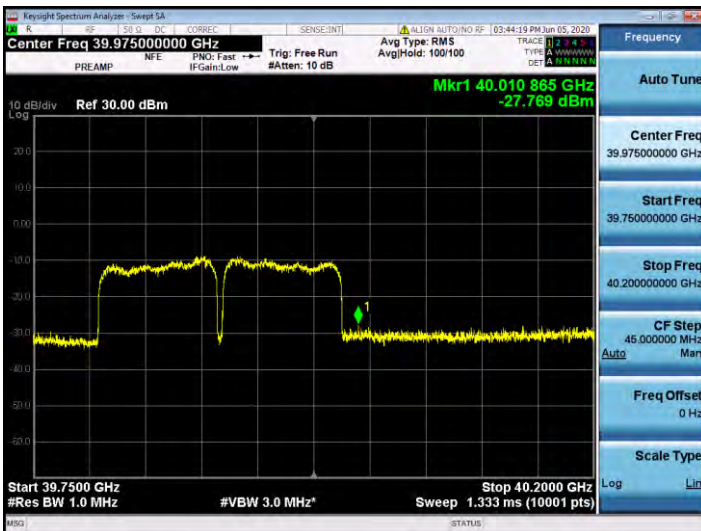
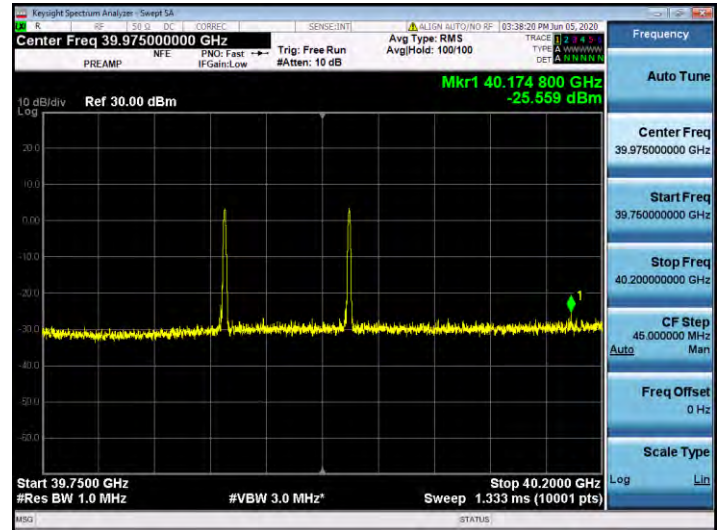
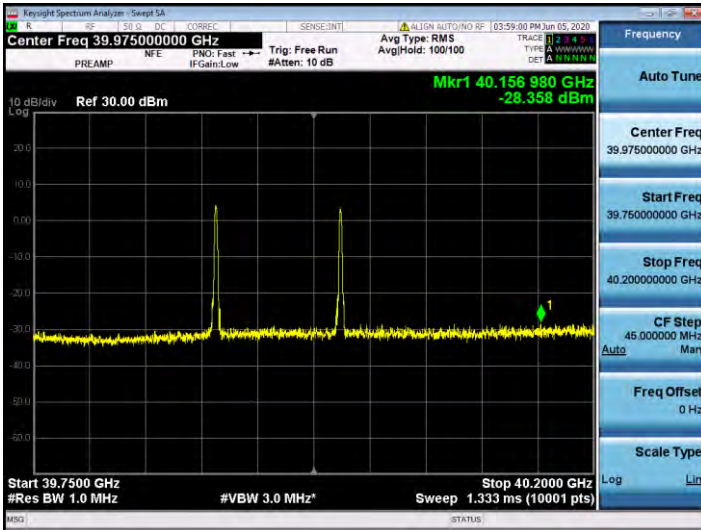
100 MHz, 2CC SISO



100 MHz, 2CC MIMO



100 MHz, 2CC MIMO





## 5.5. RADIATED SPURIOUS EMISSIONS

### Test Overview

The test frequency range is from 9 kHz to 200GHz. All out of band emissions are measured in a radiated test setup while the EUT is operating at maximum power, and at the appropriate frequencies. All modulations were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The conductive power or total radiated power of any emissions outside a licensee's frequency block shall be -13dBm/1MHz.

### FCC Rules

#### Test Requirements:

#### § 30.203 Emission limits.

(a) The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be -13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be -5 dBm/MHz or lower.

(b)(1) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater.

(2) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges as the design permits.

(3) The measurements of emission power can be expressed in peak or average values.

#### EIRP Test Procedures:

The measurement is performed in accordance with Section 5.7.4 of ANSI C63.26.

##### 5.7.4 Spurious unwanted emission measurements

a) Set the spectrum analyzer start frequency to the lowest frequency generated by the EUT, without going below 9 kHz, and the stop frequency to the lower frequency covered by the measurements previously performed in 5.7.3. As an alternative, the stop frequency can be set to the value specified in 5.1.1, depending on the EUT operating range, if the resulting plot can clearly demonstrate compliance for all frequencies not addressed by the out-of-band emissions measurements performed as per 5.7.3.

b) When using an average power (rms) detector, ensure that the number of points in the sweep  $\geq 2 \times$  (span / RBW). This may require that the measurement range defined by the start and stop frequencies be subdivided, depending on the spectrum analyzer capabilities. This requirement does not apply to peak-detected power measurements. When average power is specified by the applicable regulation, a peak-

detector can be utilized for preliminary measurements to accommodate wider frequency spans. Any emissions found in the preliminary measurement to exceed the applicable limit(s) shall be further examined using a power averaging (rms) detector with the minimum number of measurement points as defined above.

c) The sweep time should be set to auto-couple for performing peak-detector measurements. For measurements that use a power averaging (rms) detector, the sweep time shall be set as described for out-of-band emissions measurements in item d) of 5.7.3.

d) Identify and measure the highest spurious emission levels in each frequency range. It is not necessary to re-measure the out-of-band emissions as a part of this test. Record the frequencies and amplitudes corresponding to the measured emissions and capture the data plots.

e) Repeat step b) through step d) for the upper spurious emission frequency range if not already captured by a wide span measurement performed as per the alternative provided in step a). The upper frequency for this measurement is defined in 5.1.1 as a function of the EUT operating range.

f) Compare the results with the corresponding limit in the applicable regulation.

g) The test report shall include the data plots of the measuring instrument display and the measured data.

#### TRP Test Procedures:

The measurement is performed in accordance with Section 4.4.3.3.2 of KDB 842590 v01 (2019-04).

a) Align the EUT with a chosen xy-plane and the xz-plane of the antenna measurement coordinate system.

NOTE 1 For harmonics and spurious emission frequencies which are beamforming as identified in exploratory scan, it may be required to align the orthogonal cuts to include the peak based on exploratory scans.

b) Measure the EUT dimensions, i.e., depth (d), width (w), and height (h); see Figure A.1 in Appendix A.

c) Calculate the spherical and cylindrical diameters (D and D<sub>cyl</sub>) using Equations (A.1) and (A.2) (see Appendix A).

d) For the highest frequency (smallest wavelength) of the frequency band measured, calculate the reference angular steps  $\Delta\theta_{ref}$  and  $\Delta\phi_{ref}$  using Equations (A.3) and (A.4).

e) Set the grid spatial sampling step  $\Delta\theta \leq \Delta\theta_{ref}$  for the vertical angle and  $\Delta\phi \leq \Delta\phi_{ref}$  for the horizontal cut.

f) For each emission frequency, measure the EIRP (as a sum of two orthogonal polarizations) at each spatial sampling step on the selected grid.

g) For each emission frequency, calculate the average EIRP for both the cuts separately, and then take the average of these two average values.

h) Add 2 dB as a correction factor to the averaged value computed in step g).

i) If the TRP limit is exceeded, a third orthogonal cut in the yz-plane and using the  $\Delta\theta$  angular step, can be added. Now, calculate the average values in all three cuts separately, and then take the average value of these three average values.

j) Add 1.5 dB as a correction factor to the averaged value computed in step i).

k) Evaluate the pass/fail decision by comparing TRP from step h) or step j) against the applicable TRP limit.

**Note:**

1. Spurious emission test is performed up to 200 GHz frequency according to section 5.1.1 of ANSI C63.26 - 2015.
2. Measurement distance is applied far field condition on page 17.
3. Additionally, we were performed the RSE test in EN-DC mode. It was determined that there is no new emission introduced by EN-DC mode.
4. All RSE were measured with 1CC and 2CC. In case of modulation, worst case is QPSK or PI/2BPSK.
5. Test plot is included any factors and all factors such as AFCL is calculated in tabular data.

In this test, AFCL factor consists of antenna factor, cable loss, mixer loss, amplifier gain and duty correction. Emissions value is first converted by distance factor as follow.

*Converted value (dBm) = Measured Value (dBuV) + 20 LOG(D)-104.77*

*Final spurious emissions result is calculated as follows.*

*Spurious Emissions = Converted Value (dBm) + AFCL*

6. Measurement RBW correction factor(Reference RBW : 1 MHz)

The measured value in table is included the RBW correction factor.

*$10\log(\text{Reference RBW}/\text{Measured RBW})$*

*In case of 1 kHz RBW, correction factor is 30 dB.*

*In case of 10 kHz RBW, correction factor is 20 dB.*

*In case of 100 kHz RBW, correction factor is 10 dB.*

5. Sample calculations

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses.

To address compliance of MIMO RSE per KDB 662911 D01, the MIMO RSE EIRP is calculated by summing the worst case H Beam EIRP and V Beam EIRP in linear powers units then converted back to dBm:

*$EIRP(H\ Beam) + EIRP(V\ Beam) = Total\ EIRP(MIMO)$*

*$-39.38\ dBm + -39.24\ dBm = 115.35\ nW + 119.12\ nW = 234.47\ nW = -36.30\ dBm$*



**Test Results:**

**Tabular Data of Radiated Spurious Emissions**

n261

9 kHz ~ 150 kHz

| Antenna | CC | BW | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50 | SISO | Low     | H    | 80.271               | 3.75     | -22.56           | -22.56       |
|         |    |    |      |         | V    | 80.193               | 3.75     | -22.64           | -22.64       |
|         |    |    |      | Mid     | H    | 80.449               | 3.75     | -22.38           | -22.38       |
|         |    |    |      |         | V    | 80.420               | 3.75     | -22.41           | -22.41       |
|         |    |    |      | High    | H    | 80.980               | 3.75     | -21.85           | -21.85       |
|         |    |    |      |         | V    | 80.647               | 3.75     | -22.18           | -22.18       |
|         |    |    | MIMO | Low     | H    | 80.565               | 3.75     | -22.27           | -22.27       |
|         |    |    |      |         | V    | 80.763               | 3.75     | -22.07           | -22.07       |

150 kHz ~ 30 MHz

| Antenna | CC | BW | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50 | SISO | Low     | H    | 68.924               | 3.75     | -33.91           | -33.91       |
|         |    |    |      |         | V    | 68.991               | 3.75     | -33.84           | -33.84       |
|         |    |    |      | Mid     | H    | 69.697               | 3.75     | -33.13           | -33.13       |
|         |    |    |      |         | V    | 69.255               | 3.75     | -33.58           | -33.58       |
|         |    |    |      | High    | H    | 68.913               | 3.75     | -33.92           | -33.92       |
|         |    |    |      |         | V    | 69.294               | 3.75     | -33.54           | -33.54       |
|         |    |    | MIMO | Low     | H    | 69.039               | 3.75     | -33.79           | -33.79       |
|         |    |    |      |         | V    | 68.991               | 3.75     | -33.84           | -33.84       |

30 MHz ~ 1 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 48.086               | 3.75     | -54.75           | -54.75       |
|         |    |     |      |         | V    | 48.105               | 3.75     | -54.73           | -54.73       |
|         |    |     |      | Mid     | H    | 48.147               | 3.75     | -54.68           | -54.68       |
|         |    |     |      |         | V    | 48.098               | 3.75     | -54.73           | -54.73       |
|         |    |     |      | High    | H    | 48.011               | 3.75     | -54.82           | -54.82       |
|         |    |     |      |         | V    | 48.143               | 3.75     | -54.69           | -54.69       |
|         |    |     | MIMO | Low     | H    | 48.045               | 3.75     | -54.79           | -54.79       |
|         |    |     |      |         | V    | 48.159               | 3.75     | -54.67           | -54.67       |
|         |    |     |      | Mid     | H    | 48.048               | 3.75     | -54.78           | -54.78       |
|         |    |     |      |         | V    | 48.157               | 3.75     | -54.67           | -54.67       |
|         |    |     |      | High    | H    | 48.260               | 3.75     | -54.57           | -54.57       |
|         |    |     |      |         | V    | 48.178               | 3.75     | -54.65           | -54.65       |
|         |    | 100 | SISO | Low     | H    | 48.010               | 3.75     | -54.82           | -54.82       |
|         |    |     |      |         | V    | 48.160               | 3.75     | -54.67           | -54.67       |
|         |    |     |      | Mid     | H    | 48.224               | 3.75     | -54.61           | -54.61       |
|         |    |     |      |         | V    | 48.100               | 3.75     | -54.73           | -54.73       |
|         |    |     |      | High    | H    | 48.187               | 3.75     | -54.64           | -54.64       |
|         |    |     |      |         | V    | 48.138               | 3.75     | -54.69           | -54.69       |
|         |    |     | MIMO | Low     | H    | 47.989               | 3.75     | -54.84           | -54.84       |
|         |    |     |      |         | V    | 48.182               | 3.75     | -54.65           | -54.65       |
|         |    |     |      | Mid     | H    | 47.994               | 3.75     | -54.84           | -54.84       |
|         |    |     |      |         | V    | 48.082               | 3.75     | -54.75           | -54.75       |
|         |    |     |      | High    | H    | 48.317               | 3.75     | -54.51           | -54.51       |
|         |    |     |      |         | V    | 48.120               | 3.75     | -54.71           | -54.71       |
|         | 2  | 50  | SISO | Low     | H    | 48.161               | 3.75     | -54.67           | -54.67       |
|         |    |     |      |         | V    | 48.168               | 3.75     | -54.66           | -54.66       |
|         |    |     |      | Mid     | H    | 48.267               | 3.75     | -54.56           | -54.56       |
|         |    |     |      |         | V    | 48.136               | 3.75     | -54.70           | -54.70       |
|         |    |     |      | High    | H    | 48.058               | 3.75     | -54.77           | -54.77       |
|         |    |     |      |         | V    | 48.102               | 3.75     | -54.73           | -54.73       |
|         |    |     | MIMO | Low     | H    | 48.135               | 3.75     | -54.70           | -54.70       |
|         |    |     |      |         | V    | 48.089               | 3.75     | -54.74           | -54.74       |
|         |    |     |      | Mid     | H    | 48.388               | 3.75     | -54.44           | -54.44       |
|         |    |     |      |         | V    | 48.220               | 3.75     | -54.61           | -54.61       |
|         |    |     |      | High    | H    | 48.153               | 3.75     | -54.68           | -54.68       |
|         |    |     |      |         | V    | 48.076               | 3.75     | -54.76           | -54.76       |
|         |    | 100 | SISO | Low     | H    | 48.219               | 3.75     | -54.61           | -54.61       |
|         |    |     |      |         | V    | 48.186               | 3.75     | -54.65           | -54.65       |
|         |    |     |      | Mid     | H    | 48.035               | 3.75     | -54.80           | -54.80       |
|         |    |     |      |         | V    | 47.997               | 3.75     | -54.83           | -54.83       |
|         |    |     |      | High    | H    | 47.999               | 3.75     | -54.83           | -54.83       |
|         |    |     |      |         | V    | 48.118               | 3.75     | -54.71           | -54.71       |
|         |    |     | MIMO | Low     | H    | 48.173               | 3.75     | -54.66           | -54.66       |
|         |    |     |      |         | V    | 48.141               | 3.75     | -54.69           | -54.69       |
|         |    |     |      | Mid     | H    | 48.078               | 3.75     | -54.75           | -54.75       |
|         |    |     |      |         | V    | 48.289               | 3.75     | -54.54           | -54.54       |
|         |    |     |      | High    | H    | 48.116               | 3.75     | -54.72           | -54.72       |
|         |    |     |      |         | V    | 48.358               | 3.75     | -54.47           | -54.47       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 48.385               | 3.75     | -54.45           | -54.45       |
|         |    |     |      |         | V    | 48.472               | 3.75     | -54.36           | -54.36       |
|         |    |     |      | Mid     | H    | 48.321               | 3.75     | -54.51           | -54.51       |
|         |    |     |      |         | V    | 48.299               | 3.75     | -54.53           | -54.53       |
|         |    |     |      | High    | H    | 48.195               | 3.75     | -54.64           | -54.64       |
|         |    |     |      |         | V    | 48.280               | 3.75     | -54.55           | -54.55       |
|         |    |     | MIMO | Low     | H    | 48.232               | 3.75     | -54.60           | -54.60       |
|         |    |     |      |         | V    | 48.341               | 3.75     | -54.49           | -54.49       |
|         |    |     |      | Mid     | H    | 48.276               | 3.75     | -54.56           | -54.56       |
|         |    |     |      |         | V    | 48.202               | 3.75     | -54.63           | -54.63       |
|         |    |     |      | High    | H    | 48.087               | 3.75     | -54.74           | -54.74       |
|         |    |     |      |         | V    | 48.435               | 3.75     | -54.40           | -54.40       |
|         |    | 100 | SISO | Low     | H    | 48.529               | 3.75     | -54.30           | -54.30       |
|         |    |     |      |         | V    | 48.203               | 3.75     | -54.63           | -54.63       |
|         |    |     |      | Mid     | H    | 48.363               | 3.75     | -54.47           | -54.47       |
|         |    |     |      |         | V    | 48.348               | 3.75     | -54.48           | -54.48       |
|         |    |     |      | High    | H    | 48.285               | 3.75     | -54.55           | -54.55       |
|         |    |     |      |         | V    | 48.466               | 3.75     | -54.37           | -54.37       |
|         |    |     | MIMO | Low     | H    | 48.449               | 3.75     | -54.38           | -54.38       |
|         |    |     |      |         | V    | 48.298               | 3.75     | -54.53           | -54.53       |
|         |    |     |      | Mid     | H    | 48.192               | 3.75     | -54.64           | -54.64       |
|         |    |     |      |         | V    | 48.298               | 3.75     | -54.53           | -54.53       |
|         |    |     |      | High    | H    | 48.367               | 3.75     | -54.46           | -54.46       |
|         |    |     |      |         | V    | 48.246               | 3.75     | -54.59           | -54.59       |
|         | 2  | 50  | SISO | Low     | H    | 48.263               | 3.75     | -54.57           | -54.57       |
|         |    |     |      |         | V    | 48.237               | 3.75     | -54.59           | -54.59       |
|         |    |     |      | Mid     | H    | 48.305               | 3.75     | -54.53           | -54.53       |
|         |    |     |      |         | V    | 48.318               | 3.75     | -54.51           | -54.51       |
|         |    |     |      | High    | H    | 48.207               | 3.75     | -54.62           | -54.62       |
|         |    |     |      |         | V    | 48.265               | 3.75     | -54.57           | -54.57       |
|         |    |     | MIMO | Low     | H    | 48.308               | 3.75     | -54.52           | -54.52       |
|         |    |     |      |         | V    | 48.242               | 3.75     | -54.59           | -54.59       |
|         |    |     |      | Mid     | H    | 48.279               | 3.75     | -54.55           | -54.55       |
|         |    |     |      |         | V    | 48.358               | 3.75     | -54.47           | -54.47       |
|         |    |     |      | High    | H    | 48.202               | 3.75     | -54.63           | -54.63       |
|         |    |     |      |         | V    | 48.200               | 3.75     | -54.63           | -54.63       |
|         |    | 100 | SISO | Low     | H    | 48.418               | 3.75     | -54.41           | -54.41       |
|         |    |     |      |         | V    | 48.254               | 3.75     | -54.58           | -54.58       |
|         |    |     |      | Mid     | H    | 48.491               | 3.75     | -54.34           | -54.34       |
|         |    |     |      |         | V    | 48.363               | 3.75     | -54.47           | -54.47       |
|         |    |     |      | High    | H    | 48.563               | 3.75     | -54.27           | -54.27       |
|         |    |     |      |         | V    | 48.479               | 3.75     | -54.35           | -54.35       |
|         |    |     | MIMO | Low     | H    | 48.402               | 3.75     | -54.43           | -54.43       |
|         |    |     |      |         | V    | 48.367               | 3.75     | -54.46           | -54.46       |
|         |    |     |      | Mid     | H    | 48.484               | 3.75     | -54.35           | -54.35       |
|         |    |     |      |         | V    | 48.323               | 3.75     | -54.51           | -54.51       |
|         |    |     |      | High    | H    | 48.349               | 3.75     | -54.48           | -54.48       |
|         |    |     |      |         | V    | 48.440               | 3.75     | -54.39           | -54.39       |



1 GHz ~ 18 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 62.554               | 3.75     | -40.28           | -40.28       |
|         |    |     |      |         | V    | 63.049               | 3.75     | -39.78           | -39.78       |
|         |    |     |      | Mid     | H    | 62.835               | 3.75     | -40.00           | -40.00       |
|         |    |     |      |         | V    | 62.621               | 3.75     | -40.21           | -40.21       |
|         |    |     |      | High    | H    | 62.757               | 3.75     | -40.07           | -40.07       |
|         |    |     |      |         | V    | 63.070               | 3.75     | -39.76           | -39.76       |
|         |    |     | MIMO | Low     | H    | 62.957               | 3.75     | -39.87           | -39.87       |
|         |    |     |      |         | V    | 62.914               | 3.75     | -39.92           | -39.92       |
|         |    |     |      | Mid     | H    | 62.620               | 3.75     | -40.21           | -40.21       |
|         |    |     |      |         | V    | 62.741               | 3.75     | -40.09           | -40.09       |
|         |    |     |      | High    | H    | 62.675               | 3.75     | -40.16           | -40.16       |
|         |    |     |      |         | V    | 62.612               | 3.75     | -40.22           | -40.22       |
|         |    | 100 | SISO | Low     | H    | 63.061               | 3.75     | -39.77           | -39.77       |
|         |    |     |      |         | V    | 62.731               | 3.75     | -40.10           | -40.10       |
|         |    |     |      | Mid     | H    | 62.575               | 3.75     | -40.26           | -40.26       |
|         |    |     |      |         | V    | 62.710               | 3.75     | -40.12           | -40.12       |
|         |    |     |      | High    | H    | 62.574               | 3.75     | -40.26           | -40.26       |
|         |    |     |      |         | V    | 62.808               | 3.75     | -40.02           | -40.02       |
|         |    |     | MIMO | Low     | H    | 62.985               | 3.75     | -39.85           | -39.85       |
|         |    |     |      |         | V    | 62.812               | 3.75     | -40.02           | -40.02       |
|         |    |     |      | Mid     | H    | 62.070               | 3.75     | -40.76           | -40.76       |
|         |    |     |      |         | V    | 62.806               | 3.75     | -40.03           | -40.03       |
|         |    |     |      | High    | H    | 62.703               | 3.75     | -40.13           | -40.13       |
|         |    |     |      |         | V    | 62.803               | 3.75     | -40.03           | -40.03       |
|         | 2  | 50  | SISO | Low     | H    | 62.779               | 3.75     | -40.05           | -40.05       |
|         |    |     |      |         | V    | 62.848               | 3.75     | -39.98           | -39.98       |
|         |    |     |      | Mid     | H    | 62.509               | 3.75     | -40.32           | -40.32       |
|         |    |     |      |         | V    | 62.930               | 3.75     | -39.90           | -39.90       |
|         |    |     |      | High    | H    | 62.770               | 3.75     | -40.06           | -40.06       |
|         |    |     |      |         | V    | 62.826               | 3.75     | -40.01           | -40.01       |
|         |    |     | MIMO | Low     | H    | 62.801               | 3.75     | -40.03           | -40.03       |
|         |    |     |      |         | V    | 62.527               | 3.75     | -40.30           | -40.30       |
|         |    |     |      | Mid     | H    | 63.277               | 3.75     | -39.55           | -39.55       |
|         |    |     |      |         | V    | 62.799               | 3.75     | -40.03           | -40.03       |
|         |    |     |      | High    | H    | 63.067               | 3.75     | -39.76           | -39.76       |
|         |    |     |      |         | V    | 62.899               | 3.75     | -39.93           | -39.93       |
|         |    | 100 | SISO | Low     | H    | 62.840               | 3.75     | -39.99           | -39.99       |
|         |    |     |      |         | V    | 62.625               | 3.75     | -40.21           | -40.21       |
|         |    |     |      | Mid     | H    | 62.708               | 3.75     | -40.12           | -40.12       |
|         |    |     |      |         | V    | 62.560               | 3.75     | -40.27           | -40.27       |
|         |    |     |      | High    | H    | 62.841               | 3.75     | -39.99           | -39.99       |
|         |    |     |      |         | V    | 62.768               | 3.75     | -40.06           | -40.06       |
|         |    |     | MIMO | Low     | H    | 62.749               | 3.75     | -40.08           | -40.08       |
|         |    |     |      |         | V    | 63.293               | 3.75     | -39.54           | -39.54       |
|         |    |     |      | Mid     | H    | 62.652               | 3.75     | -40.18           | -40.18       |
|         |    |     |      |         | V    | 62.810               | 3.75     | -40.02           | -40.02       |
|         |    |     |      | High    | H    | 62.678               | 3.75     | -40.15           | -40.15       |
|         |    |     |      |         | V    | 62.755               | 3.75     | -40.08           | -40.08       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 62.822               | 3.75     | -40.01           | -40.01       |
|         |    |     |      |         | V    | 62.911               | 3.75     | -39.92           | -39.92       |
|         |    |     |      | Mid     | H    | 62.865               | 3.75     | -39.97           | -39.97       |
|         |    |     |      |         | V    | 62.774               | 3.75     | -40.06           | -40.06       |
|         |    |     |      | High    | H    | 62.623               | 3.75     | -40.21           | -40.21       |
|         |    |     |      |         | V    | 62.811               | 3.75     | -40.02           | -40.02       |
|         |    |     | MIMO | Low     | H    | 62.517               | 3.75     | -40.31           | -40.31       |
|         |    |     |      |         | V    | 62.761               | 3.75     | -40.07           | -40.07       |
|         |    |     |      | Mid     | H    | 62.759               | 3.75     | -40.07           | -40.07       |
|         |    |     |      |         | V    | 62.664               | 3.75     | -40.17           | -40.17       |
|         |    |     |      | High    | H    | 62.783               | 3.75     | -40.05           | -40.05       |
|         |    |     |      |         | V    | 62.627               | 3.75     | -40.20           | -40.20       |
|         |    | 100 | SISO | Low     | H    | 62.657               | 3.75     | -40.17           | -40.17       |
|         |    |     |      |         | V    | 63.060               | 3.75     | -39.77           | -39.77       |
|         |    |     |      | Mid     | H    | 62.727               | 3.75     | -40.10           | -40.10       |
|         |    |     |      |         | V    | 62.468               | 3.75     | -40.36           | -40.36       |
|         |    |     |      | High    | H    | 62.601               | 3.75     | -40.23           | -40.23       |
|         |    |     |      |         | V    | 62.879               | 3.75     | -39.95           | -39.95       |
|         |    |     | MIMO | Low     | H    | 62.619               | 3.75     | -40.21           | -40.21       |
|         |    |     |      |         | V    | 62.711               | 3.75     | -40.12           | -40.12       |
|         |    |     |      | Mid     | H    | 62.649               | 3.75     | -40.18           | -40.18       |
|         |    |     |      |         | V    | 62.936               | 3.75     | -39.90           | -39.90       |
|         |    |     |      | High    | H    | 62.772               | 3.75     | -40.06           | -40.06       |
|         |    |     |      |         | V    | 62.729               | 3.75     | -40.10           | -40.10       |
|         | 2  | 50  | SISO | Low     | H    | 62.588               | 3.75     | -40.24           | -40.24       |
|         |    |     |      |         | V    | 62.864               | 3.75     | -39.97           | -39.97       |
|         |    |     |      | Mid     | H    | 62.657               | 3.75     | -40.17           | -40.17       |
|         |    |     |      |         | V    | 62.732               | 3.75     | -40.10           | -40.10       |
|         |    |     |      | High    | H    | 62.755               | 3.75     | -40.08           | -40.08       |
|         |    |     |      |         | V    | 62.653               | 3.75     | -40.18           | -40.18       |
|         |    |     | MIMO | Low     | H    | 62.826               | 3.75     | -40.01           | -40.01       |
|         |    |     |      |         | V    | 62.604               | 3.75     | -40.23           | -40.23       |
|         |    |     |      | Mid     | H    | 62.880               | 3.75     | -39.95           | -39.95       |
|         |    |     |      |         | V    | 62.892               | 3.75     | -39.94           | -39.94       |
|         |    |     |      | High    | H    | 62.733               | 3.75     | -40.10           | -40.10       |
|         |    |     |      |         | V    | 62.671               | 3.75     | -40.16           | -40.16       |
|         |    | 100 | SISO | Low     | H    | 62.849               | 3.75     | -39.98           | -39.98       |
|         |    |     |      |         | V    | 62.696               | 3.75     | -40.14           | -40.14       |
|         |    |     |      | Mid     | H    | 62.643               | 3.75     | -40.19           | -40.19       |
|         |    |     |      |         | V    | 62.791               | 3.75     | -40.04           | -40.04       |
|         |    |     |      | High    | H    | 62.713               | 3.75     | -40.12           | -40.12       |
|         |    |     |      |         | V    | 62.659               | 3.75     | -40.17           | -40.17       |
|         |    |     | MIMO | Low     | H    | 62.968               | 3.75     | -39.86           | -39.86       |
|         |    |     |      |         | V    | 62.734               | 3.75     | -40.10           | -40.10       |
|         |    |     |      | Mid     | H    | 62.663               | 3.75     | -40.17           | -40.17       |
|         |    |     |      |         | V    | 62.552               | 3.75     | -40.28           | -40.28       |
|         |    |     |      | High    | H    | 62.712               | 3.75     | -40.12           | -40.12       |
|         |    |     |      |         | V    | 62.766               | 3.75     | -40.07           | -40.07       |

18 GHz ~ 27 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 37.98                | 3.75     | -64.85           | -64.85       |
|         |    |     |      |         | V    | 37.98                | 3.75     | -64.85           | -64.85       |
|         |    |     |      | Mid     | H    | 38.17                | 3.75     | -64.66           | -64.66       |
|         |    |     |      |         | V    | 38.16                | 3.75     | -64.67           | -64.67       |
|         |    |     |      | High    | H    | 38.16                | 3.75     | -64.67           | -64.67       |
|         |    |     |      |         | V    | 38.32                | 3.75     | -64.51           | -64.51       |
|         |    |     | MIMO | Low     | H    | 38.58                | 3.75     | -64.25           | -64.25       |
|         |    |     |      |         | V    | 38.50                | 3.75     | -64.33           | -64.33       |
|         |    |     |      | Mid     | H    | 38.57                | 3.75     | -64.26           | -64.26       |
|         |    |     |      |         | V    | 38.48                | 3.75     | -64.35           | -64.35       |
|         |    |     |      | High    | H    | 38.52                | 3.75     | -64.31           | -64.31       |
|         |    |     |      |         | V    | 38.46                | 3.75     | -64.37           | -64.37       |
|         |    | 100 | SISO | Low     | H    | 38.38                | 3.75     | -64.45           | -64.45       |
|         |    |     |      |         | V    | 38.55                | 3.75     | -64.28           | -64.28       |
|         |    |     |      | Mid     | H    | 38.43                | 3.75     | -64.40           | -64.40       |
|         |    |     |      |         | V    | 38.36                | 3.75     | -64.47           | -64.47       |
|         |    |     |      | High    | H    | 38.35                | 3.75     | -64.48           | -64.48       |
|         |    |     |      |         | V    | 38.35                | 3.75     | -64.48           | -64.48       |
|         |    |     | MIMO | Low     | H    | 38.44                | 3.75     | -64.39           | -64.39       |
|         |    |     |      |         | V    | 38.44                | 3.75     | -64.39           | -64.39       |
|         |    |     |      | Mid     | H    | 38.60                | 3.75     | -64.23           | -64.23       |
|         |    |     |      |         | V    | 38.49                | 3.75     | -64.34           | -64.34       |
|         |    |     |      | High    | H    | 38.42                | 3.75     | -64.41           | -64.41       |
|         |    |     |      |         | V    | 38.36                | 3.75     | -64.47           | -64.47       |
|         | 2  | 50  | SISO | Low     | H    | 38.36                | 3.75     | -64.47           | -64.47       |
|         |    |     |      |         | V    | 38.61                | 3.75     | -64.22           | -64.22       |
|         |    |     |      | Mid     | H    | 38.39                | 3.75     | -64.44           | -64.44       |
|         |    |     |      |         | V    | 38.34                | 3.75     | -64.49           | -64.49       |
|         |    |     |      | High    | H    | 38.51                | 3.75     | -64.32           | -64.32       |
|         |    |     |      |         | V    | 38.67                | 3.75     | -64.16           | -64.16       |
|         |    |     | MIMO | Low     | H    | 38.46                | 3.75     | -64.37           | -64.37       |
|         |    |     |      |         | V    | 38.43                | 3.75     | -64.40           | -64.40       |
|         |    |     |      | Mid     | H    | 38.45                | 3.75     | -64.38           | -64.38       |
|         |    |     |      |         | V    | 38.33                | 3.75     | -64.50           | -64.50       |
|         |    |     |      | High    | H    | 38.46                | 3.75     | -64.37           | -64.37       |
|         |    |     |      |         | V    | 38.29                | 3.75     | -64.54           | -64.54       |
|         |    | 100 | SISO | Low     | H    | 38.49                | 3.75     | -64.34           | -64.34       |
|         |    |     |      |         | V    | 38.38                | 3.75     | -64.45           | -64.45       |
|         |    |     |      | Mid     | H    | 38.16                | 3.75     | -64.67           | -64.67       |
|         |    |     |      |         | V    | 38.41                | 3.75     | -64.42           | -64.42       |
|         |    |     |      | High    | H    | 38.21                | 3.75     | -64.62           | -64.62       |
|         |    |     |      |         | V    | 38.29                | 3.75     | -64.54           | -64.54       |
|         |    |     | MIMO | Low     | H    | 38.30                | 3.75     | -64.53           | -64.53       |
|         |    |     |      |         | V    | 38.53                | 3.75     | -64.30           | -64.30       |
|         |    |     |      | Mid     | H    | 38.22                | 3.75     | -64.61           | -64.61       |
|         |    |     |      |         | V    | 38.33                | 3.75     | -64.50           | -64.50       |
|         |    |     |      | High    | H    | 38.35                | 3.75     | -64.48           | -64.48       |
|         |    |     |      |         | V    | 38.39                | 3.75     | -64.44           | -64.44       |



| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 38.40                | 3.75     | -64.43           | -64.43       |
|         |    |     |      |         | V    | 38.27                | 3.75     | -64.56           | -64.56       |
|         |    |     |      | Mid     | H    | 38.20                | 3.75     | -64.63           | -64.63       |
|         |    |     |      |         | V    | 38.26                | 3.75     | -64.57           | -64.57       |
|         |    |     |      | High    | H    | 38.48                | 3.75     | -64.35           | -64.35       |
|         |    |     |      |         | V    | 38.19                | 3.75     | -64.64           | -64.64       |
|         |    |     | MIMO | Low     | H    | 38.47                | 3.75     | -64.36           | -64.36       |
|         |    |     |      |         | V    | 38.12                | 3.75     | -64.71           | -64.71       |
|         |    |     |      | Mid     | H    | 38.28                | 3.75     | -64.55           | -64.55       |
|         |    |     |      |         | V    | 38.34                | 3.75     | -64.49           | -64.49       |
|         |    |     |      | High    | H    | 38.32                | 3.75     | -64.51           | -64.51       |
|         |    |     |      |         | V    | 38.43                | 3.75     | -64.40           | -64.40       |
|         |    | 100 | SISO | Low     | H    | 38.33                | 3.75     | -64.50           | -64.50       |
|         |    |     |      |         | V    | 38.23                | 3.75     | -64.60           | -64.60       |
|         |    |     |      | Mid     | H    | 38.23                | 3.75     | -64.60           | -64.60       |
|         |    |     |      |         | V    | 38.21                | 3.75     | -64.62           | -64.62       |
|         |    |     |      | High    | H    | 38.06                | 3.75     | -64.77           | -64.77       |
|         |    |     |      |         | V    | 38.09                | 3.75     | -64.74           | -64.74       |
|         |    |     | MIMO | Low     | H    | 38.27                | 3.75     | -64.56           | -64.56       |
|         |    |     |      |         | V    | 38.16                | 3.75     | -64.67           | -64.67       |
|         |    |     |      | Mid     | H    | 38.20                | 3.75     | -64.63           | -64.63       |
|         |    |     |      |         | V    | 38.20                | 3.75     | -64.63           | -64.63       |
|         |    |     |      | High    | H    | 38.01                | 3.75     | -64.82           | -64.82       |
|         |    |     |      |         | V    | 38.17                | 3.75     | -64.66           | -64.66       |
|         | 2  | 50  | SISO | Low     | H    | 38.24                | 3.75     | -64.59           | -64.59       |
|         |    |     |      |         | V    | 38.06                | 3.75     | -64.77           | -64.77       |
|         |    |     |      | Mid     | H    | 37.95                | 3.75     | -64.88           | -64.88       |
|         |    |     |      |         | V    | 38.06                | 3.75     | -64.77           | -64.77       |
|         |    |     |      | High    | H    | 38.07                | 3.75     | -64.76           | -64.76       |
|         |    |     |      |         | V    | 38.14                | 3.75     | -64.69           | -64.69       |
|         |    |     | MIMO | Low     | H    | 38.22                | 3.75     | -64.61           | -64.61       |
|         |    |     |      |         | V    | 38.35                | 3.75     | -64.48           | -64.48       |
|         |    |     |      | Mid     | H    | 38.20                | 3.75     | -64.63           | -64.63       |
|         |    |     |      |         | V    | 38.07                | 3.75     | -64.76           | -64.76       |
|         |    |     |      | High    | H    | 37.95                | 3.75     | -64.88           | -64.88       |
|         |    |     |      |         | V    | 38.11                | 3.75     | -64.72           | -64.72       |
|         |    | 100 | SISO | Low     | H    | 38.18                | 3.75     | -64.65           | -64.65       |
|         |    |     |      |         | V    | 38.53                | 3.75     | -64.30           | -64.30       |
|         |    |     |      | Mid     | H    | 38.09                | 3.75     | -64.74           | -64.74       |
|         |    |     |      |         | V    | 38.01                | 3.75     | -64.82           | -64.82       |
|         |    |     |      | High    | H    | 38.33                | 3.75     | -64.50           | -64.50       |
|         |    |     |      |         | V    | 38.07                | 3.75     | -64.76           | -64.76       |
|         |    |     | MIMO | Low     | H    | 38.15                | 3.75     | -64.68           | -64.68       |
|         |    |     |      |         | V    | 38.28                | 3.75     | -64.55           | -64.55       |
|         |    |     |      | Mid     | H    | 38.20                | 3.75     | -64.63           | -64.63       |
|         |    |     |      |         | V    | 38.07                | 3.75     | -64.76           | -64.76       |
|         |    |     |      | High    | H    | 38.21                | 3.75     | -64.62           | -64.62       |
|         |    |     |      |         | V    | 37.93                | 3.75     | -64.90           | -64.90       |

28.8 GHz ~ 40 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 46.85                | 3.75     | -55.98           | -55.98       |
|         |    |     |      |         | V    | 46.94                | 3.75     | -55.89           | -55.89       |
|         |    |     |      | Mid     | H    | 46.99                | 3.75     | -55.84           | -55.84       |
|         |    |     |      |         | V    | 47.14                | 3.75     | -55.69           | -55.69       |
|         |    |     |      | High    | H    | 47.08                | 3.75     | -55.75           | -55.75       |
|         |    |     |      |         | V    | 46.99                | 3.75     | -55.84           | -55.84       |
|         |    |     | MIMO | Low     | H    | 46.84                | 3.75     | -55.99           | -55.99       |
|         |    |     |      |         | V    | 46.87                | 3.75     | -55.96           | -55.96       |
|         |    |     |      | Mid     | H    | 47.08                | 3.75     | -55.75           | -55.75       |
|         |    |     |      |         | V    | 46.84                | 3.75     | -55.99           | -55.99       |
|         |    |     |      | High    | H    | 46.88                | 3.75     | -55.95           | -55.95       |
|         |    |     |      |         | V    | 47.03                | 3.75     | -55.80           | -55.80       |
|         |    | 100 | SISO | Low     | H    | 46.81                | 3.75     | -56.02           | -56.02       |
|         |    |     |      |         | V    | 46.92                | 3.75     | -55.91           | -55.91       |
|         |    |     |      | Mid     | H    | 47.20                | 3.75     | -55.63           | -55.63       |
|         |    |     |      |         | V    | 46.95                | 3.75     | -55.88           | -55.88       |
|         |    |     |      | High    | H    | 47.04                | 3.75     | -55.79           | -55.79       |
|         |    |     |      |         | V    | 46.86                | 3.75     | -55.97           | -55.97       |
|         |    |     | MIMO | Low     | H    | 46.80                | 3.75     | -56.03           | -56.03       |
|         |    |     |      |         | V    | 46.96                | 3.75     | -55.87           | -55.87       |
|         |    |     |      | Mid     | H    | 46.90                | 3.75     | -55.93           | -55.93       |
|         |    |     |      |         | V    | 46.91                | 3.75     | -55.92           | -55.92       |
|         |    |     |      | High    | H    | 46.99                | 3.75     | -55.84           | -55.84       |
|         |    |     |      |         | V    | 47.02                | 3.75     | -55.81           | -55.81       |
|         | 2  | 50  | SISO | Low     | H    | 46.89                | 3.75     | -55.94           | -55.94       |
|         |    |     |      |         | V    | 46.92                | 3.75     | -55.91           | -55.91       |
|         |    |     |      | Mid     | H    | 47.01                | 3.75     | -55.82           | -55.82       |
|         |    |     |      |         | V    | 47.11                | 3.75     | -55.72           | -55.72       |
|         |    |     |      | High    | H    | 46.88                | 3.75     | -55.95           | -55.95       |
|         |    |     |      |         | V    | 46.86                | 3.75     | -55.97           | -55.97       |
|         |    |     | MIMO | Low     | H    | 46.89                | 3.75     | -55.94           | -55.94       |
|         |    |     |      |         | V    | 46.77                | 3.75     | -56.06           | -56.06       |
|         |    |     |      | Mid     | H    | 46.88                | 3.75     | -55.95           | -55.95       |
|         |    |     |      |         | V    | 47.03                | 3.75     | -55.80           | -55.80       |
|         |    |     |      | High    | H    | 46.88                | 3.75     | -55.95           | -55.95       |
|         |    |     |      |         | V    | 46.78                | 3.75     | -56.05           | -56.05       |
|         |    | 100 | SISO | Low     | H    | 46.85                | 3.75     | -55.98           | -55.98       |
|         |    |     |      |         | V    | 46.98                | 3.75     | -55.85           | -55.85       |
|         |    |     |      | Mid     | H    | 46.92                | 3.75     | -55.91           | -55.91       |
|         |    |     |      |         | V    | 46.97                | 3.75     | -55.86           | -55.86       |
|         |    |     |      | High    | H    | 46.90                | 3.75     | -55.93           | -55.93       |
|         |    |     |      |         | V    | 47.03                | 3.75     | -55.80           | -55.80       |
|         |    |     | MIMO | Low     | H    | 46.82                | 3.75     | -56.01           | -56.01       |
|         |    |     |      |         | V    | 46.84                | 3.75     | -55.99           | -55.99       |
|         |    |     |      | Mid     | H    | 47.02                | 3.75     | -55.81           | -55.81       |
|         |    |     |      |         | V    | 46.85                | 3.75     | -55.98           | -55.98       |
|         |    |     |      | High    | H    | 47.04                | 3.75     | -55.79           | -55.79       |
|         |    |     |      |         | V    | 47.16                | 3.75     | -55.67           | -55.67       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 46.95                | 3.75     | -55.88           | -55.88       |
|         |    |     |      |         | V    | 46.94                | 3.75     | -55.89           | -55.89       |
|         |    |     |      | Mid     | H    | 47.05                | 3.75     | -55.78           | -55.78       |
|         |    |     |      |         | V    | 46.90                | 3.75     | -55.93           | -55.93       |
|         |    |     |      | High    | H    | 46.79                | 3.75     | -56.04           | -56.04       |
|         |    |     |      |         | V    | 46.92                | 3.75     | -55.91           | -55.91       |
|         |    |     | MIMO | Low     | H    | 46.82                | 3.75     | -56.01           | -56.01       |
|         |    |     |      |         | V    | 47.11                | 3.75     | -55.72           | -55.72       |
|         |    |     |      | Mid     | H    | 46.82                | 3.75     | -56.01           | -56.01       |
|         |    |     |      |         | V    | 46.93                | 3.75     | -55.90           | -55.90       |
|         |    |     |      | High    | H    | 46.99                | 3.75     | -55.84           | -55.84       |
|         |    |     |      |         | V    | 46.93                | 3.75     | -55.90           | -55.90       |
|         |    | 100 | SISO | Low     | H    | 46.93                | 3.75     | -55.90           | -55.90       |
|         |    |     |      |         | V    | 46.89                | 3.75     | -55.94           | -55.94       |
|         |    |     |      | Mid     | H    | 47.09                | 3.75     | -55.74           | -55.74       |
|         |    |     |      |         | V    | 47.03                | 3.75     | -55.80           | -55.80       |
|         |    |     |      | High    | H    | 47.06                | 3.75     | -55.77           | -55.77       |
|         |    |     |      |         | V    | 46.94                | 3.75     | -55.89           | -55.89       |
|         |    |     | MIMO | Low     | H    | 46.87                | 3.75     | -55.96           | -55.96       |
|         |    |     |      |         | V    | 47.06                | 3.75     | -55.77           | -55.77       |
|         |    |     |      | Mid     | H    | 46.99                | 3.75     | -55.84           | -55.84       |
|         |    |     |      |         | V    | 47.03                | 3.75     | -55.80           | -55.80       |
|         |    |     |      | High    | H    | 46.98                | 3.75     | -55.85           | -55.85       |
|         |    |     |      |         | V    | 46.80                | 3.75     | -56.03           | -56.03       |
|         | 2  | 50  | SISO | Low     | H    | 46.92                | 3.75     | -55.91           | -55.91       |
|         |    |     |      |         | V    | 46.90                | 3.75     | -55.93           | -55.93       |
|         |    |     |      | Mid     | H    | 46.78                | 3.75     | -56.05           | -56.05       |
|         |    |     |      |         | V    | 46.79                | 3.75     | -56.04           | -56.04       |
|         |    |     |      | High    | H    | 47.12                | 3.75     | -55.71           | -55.71       |
|         |    |     |      |         | V    | 46.92                | 3.75     | -55.91           | -55.91       |
|         |    |     | MIMO | Low     | H    | 47.00                | 3.75     | -55.83           | -55.83       |
|         |    |     |      |         | V    | 46.95                | 3.75     | -55.88           | -55.88       |
|         |    |     |      | Mid     | H    | 47.04                | 3.75     | -55.79           | -55.79       |
|         |    |     |      |         | V    | 46.83                | 3.75     | -56.00           | -56.00       |
|         |    |     |      | High    | H    | 46.80                | 3.75     | -56.03           | -56.03       |
|         |    |     |      |         | V    | 46.83                | 3.75     | -56.00           | -56.00       |
|         |    | 100 | SISO | Low     | H    | 46.79                | 3.75     | -56.04           | -56.04       |
|         |    |     |      |         | V    | 46.92                | 3.75     | -55.91           | -55.91       |
|         |    |     |      | Mid     | H    | 46.95                | 3.75     | -55.88           | -55.88       |
|         |    |     |      |         | V    | 47.08                | 3.75     | -55.75           | -55.75       |
|         |    |     |      | High    | H    | 46.89                | 3.75     | -55.94           | -55.94       |
|         |    |     |      |         | V    | 46.93                | 3.75     | -55.90           | -55.90       |
|         |    |     | MIMO | Low     | H    | 47.01                | 3.75     | -55.82           | -55.82       |
|         |    |     |      |         | V    | 46.92                | 3.75     | -55.91           | -55.91       |
|         |    |     |      | Mid     | H    | 46.98                | 3.75     | -55.85           | -55.85       |
|         |    |     |      |         | V    | 46.88                | 3.75     | -55.95           | -55.95       |
|         |    |     |      | High    | H    | 46.88                | 3.75     | -55.95           | -55.95       |
|         |    |     |      |         | V    | 46.69                | 3.75     | -56.14           | -56.14       |



40 GHz ~ 60 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 62.48                | 3.75     | -40.35           | -40.35       |
|         |    |     |      |         | V    | 62.52                | 3.75     | -40.31           | -40.31       |
|         |    |     |      | Mid     | H    | 62.42                | 3.75     | -40.41           | -40.41       |
|         |    |     |      |         | V    | 62.65                | 3.75     | -40.18           | -40.18       |
|         |    |     |      | High    | H    | 62.58                | 3.75     | -40.25           | -40.25       |
|         |    |     |      |         | V    | 62.39                | 3.75     | -40.44           | -40.44       |
|         |    |     | MIMO | Low     | H    | 62.42                | 3.75     | -40.41           | -40.41       |
|         |    |     |      |         | V    | 62.44                | 3.75     | -40.39           | -40.39       |
|         |    |     |      | Mid     | H    | 62.55                | 3.75     | -40.28           | -40.28       |
|         |    |     |      |         | V    | 62.49                | 3.75     | -40.34           | -40.34       |
|         |    |     |      | High    | H    | 62.54                | 3.75     | -40.29           | -40.29       |
|         |    |     |      |         | V    | 62.36                | 3.75     | -40.47           | -40.47       |
|         |    | 100 | SISO | Low     | H    | 62.48                | 3.75     | -40.35           | -40.35       |
|         |    |     |      |         | V    | 62.59                | 3.75     | -40.24           | -40.24       |
|         |    |     |      | Mid     | H    | 62.40                | 3.75     | -40.43           | -40.43       |
|         |    |     |      |         | V    | 62.39                | 3.75     | -40.44           | -40.44       |
|         |    |     |      | High    | H    | 62.30                | 3.75     | -40.53           | -40.53       |
|         |    |     |      |         | V    | 62.41                | 3.75     | -40.42           | -40.42       |
|         |    |     | MIMO | Low     | H    | 62.55                | 3.75     | -40.28           | -40.28       |
|         |    |     |      |         | V    | 62.42                | 3.75     | -40.41           | -40.41       |
|         |    |     |      | Mid     | H    | 62.50                | 3.75     | -40.33           | -40.33       |
|         |    |     |      |         | V    | 62.60                | 3.75     | -40.23           | -40.23       |
|         |    |     |      | High    | H    | 62.30                | 3.75     | -40.53           | -40.53       |
|         |    |     |      |         | V    | 62.71                | 3.75     | -40.12           | -40.12       |
|         | 2  | 50  | SISO | Low     | H    | 62.43                | 3.75     | -40.40           | -40.40       |
|         |    |     |      |         | V    | 62.63                | 3.75     | -40.20           | -40.20       |
|         |    |     |      | Mid     | H    | 62.47                | 3.75     | -40.36           | -40.36       |
|         |    |     |      |         | V    | 62.68                | 3.75     | -40.15           | -40.15       |
|         |    |     |      | High    | H    | 62.61                | 3.75     | -40.22           | -40.22       |
|         |    |     |      |         | V    | 62.43                | 3.75     | -40.40           | -40.40       |
|         |    |     | MIMO | Low     | H    | 62.45                | 3.75     | -40.38           | -40.38       |
|         |    |     |      |         | V    | 62.38                | 3.75     | -40.45           | -40.45       |
|         |    |     |      | Mid     | H    | 62.45                | 3.75     | -40.38           | -40.38       |
|         |    |     |      |         | V    | 62.40                | 3.75     | -40.43           | -40.43       |
|         |    |     |      | High    | H    | 62.48                | 3.75     | -40.35           | -40.35       |
|         |    |     |      |         | V    | 62.54                | 3.75     | -40.29           | -40.29       |
|         |    | 100 | SISO | Low     | H    | 62.65                | 3.75     | -40.18           | -40.18       |
|         |    |     |      |         | V    | 62.52                | 3.75     | -40.31           | -40.31       |
|         |    |     |      | Mid     | H    | 62.57                | 3.75     | -40.26           | -40.26       |
|         |    |     |      |         | V    | 62.44                | 3.75     | -40.39           | -40.39       |
|         |    |     |      | High    | H    | 62.37                | 3.75     | -40.46           | -40.46       |
|         |    |     |      |         | V    | 62.76                | 3.75     | -40.07           | -40.07       |
|         |    |     | MIMO | Low     | H    | 62.85                | 3.75     | -39.98           | -39.98       |
|         |    |     |      |         | V    | 62.40                | 3.75     | -40.43           | -40.43       |
|         |    |     |      | Mid     | H    | 62.65                | 3.75     | -40.18           | -40.18       |
|         |    |     |      |         | V    | 62.52                | 3.75     | -40.31           | -40.31       |
|         |    |     |      | High    | H    | 62.47                | 3.75     | -40.36           | -40.36       |
|         |    |     |      |         | V    | 62.61                | 3.75     | -40.22           | -40.22       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 62.43                | 3.75     | -40.40           | -40.40       |
|         |    |     |      |         | V    | 62.41                | 3.75     | -40.42           | -40.42       |
|         |    |     |      | Mid     | H    | 62.58                | 3.75     | -40.25           | -40.25       |
|         |    |     |      |         | V    | 62.53                | 3.75     | -40.30           | -40.30       |
|         |    |     |      | High    | H    | 62.62                | 3.75     | -40.21           | -40.21       |
|         |    |     |      |         | V    | 62.47                | 3.75     | -40.36           | -40.36       |
|         |    |     | MIMO | Low     | H    | 62.48                | 3.75     | -40.35           | -40.35       |
|         |    |     |      |         | V    | 62.76                | 3.75     | -40.07           | -40.07       |
|         |    |     |      | Mid     | H    | 62.48                | 3.75     | -40.35           | -40.35       |
|         |    |     |      |         | V    | 62.43                | 3.75     | -40.40           | -40.40       |
|         |    |     |      | High    | H    | 62.45                | 3.75     | -40.38           | -40.38       |
|         |    |     |      |         | V    | 62.54                | 3.75     | -40.29           | -40.29       |
|         |    | 100 | SISO | Low     | H    | 62.63                | 3.75     | -40.20           | -40.20       |
|         |    |     |      |         | V    | 62.49                | 3.75     | -40.34           | -40.34       |
|         |    |     |      | Mid     | H    | 62.47                | 3.75     | -40.36           | -40.36       |
|         |    |     |      |         | V    | 62.48                | 3.75     | -40.35           | -40.35       |
|         |    |     |      | High    | H    | 62.50                | 3.75     | -40.33           | -40.33       |
|         |    |     |      |         | V    | 62.58                | 3.75     | -40.25           | -40.25       |
|         |    |     | MIMO | Low     | H    | 62.67                | 3.75     | -40.16           | -40.16       |
|         |    |     |      |         | V    | 62.39                | 3.75     | -40.44           | -40.44       |
|         |    |     |      | Mid     | H    | 62.55                | 3.75     | -40.28           | -40.28       |
|         |    |     |      |         | V    | 62.65                | 3.75     | -40.18           | -40.18       |
|         |    |     |      | High    | H    | 62.68                | 3.75     | -40.15           | -40.15       |
|         |    |     |      |         | V    | 62.50                | 3.75     | -40.33           | -40.33       |
|         | 2  | 50  | SISO | Low     | H    | 62.65                | 3.75     | -40.18           | -40.18       |
|         |    |     |      |         | V    | 62.47                | 3.75     | -40.36           | -40.36       |
|         |    |     |      | Mid     | H    | 62.45                | 3.75     | -40.38           | -40.38       |
|         |    |     |      |         | V    | 62.50                | 3.75     | -40.33           | -40.33       |
|         |    |     |      | High    | H    | 62.35                | 3.75     | -40.48           | -40.48       |
|         |    |     |      |         | V    | 62.40                | 3.75     | -40.43           | -40.43       |
|         |    |     | MIMO | Low     | H    | 62.47                | 3.75     | -40.36           | -40.36       |
|         |    |     |      |         | V    | 62.44                | 3.75     | -40.39           | -40.39       |
|         |    |     |      | Mid     | H    | 62.32                | 3.75     | -40.51           | -40.51       |
|         |    |     |      |         | V    | 62.35                | 3.75     | -40.48           | -40.48       |
|         |    |     |      | High    | H    | 62.52                | 3.75     | -40.31           | -40.31       |
|         |    |     |      |         | V    | 62.61                | 3.75     | -40.22           | -40.22       |
|         |    | 100 | SISO | Low     | H    | 62.52                | 3.75     | -40.31           | -40.31       |
|         |    |     |      |         | V    | 62.51                | 3.75     | -40.32           | -40.32       |
|         |    |     |      | Mid     | H    | 62.45                | 3.75     | -40.38           | -40.38       |
|         |    |     |      |         | V    | 62.38                | 3.75     | -40.45           | -40.45       |
|         |    |     |      | High    | H    | 62.59                | 3.75     | -40.24           | -40.24       |
|         |    |     |      |         | V    | 62.38                | 3.75     | -40.45           | -40.45       |
|         |    |     | MIMO | Low     | H    | 62.52                | 3.75     | -40.31           | -40.31       |
|         |    |     |      |         | V    | 62.29                | 3.75     | -40.54           | -40.54       |
|         |    |     |      | Mid     | H    | 62.34                | 3.75     | -40.49           | -40.49       |
|         |    |     |      |         | V    | 62.58                | 3.75     | -40.25           | -40.25       |
|         |    |     |      | High    | H    | 62.56                | 3.75     | -40.27           | -40.27       |
|         |    |     |      |         | V    | 62.74                | 3.75     | -40.09           | -40.09       |

60 GHz ~ 90 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 61.42                | 1        | -52.89           | -52.89       |
|         |    |     |      |         | V    | 61.22                | 1        | -53.09           | -53.09       |
|         |    |     |      | Mid     | H    | 61.10                | 1        | -53.21           | -53.21       |
|         |    |     |      |         | V    | 61.19                | 1        | -53.12           | -53.12       |
|         |    |     |      | High    | H    | 61.12                | 1        | -53.19           | -53.19       |
|         |    |     |      |         | V    | 61.05                | 1        | -53.26           | -53.26       |
|         |    |     | MIMO | Low     | H    | 61.28                | 1        | -53.03           | -53.03       |
|         |    |     |      |         | V    | 61.02                | 1        | -53.29           | -53.29       |
|         |    |     |      | Mid     | H    | 61.34                | 1        | -52.97           | -52.97       |
|         |    |     |      |         | V    | 61.08                | 1        | -53.23           | -53.23       |
|         |    |     |      | High    | H    | 61.39                | 1        | -52.92           | -52.92       |
|         |    |     |      |         | V    | 61.10                | 1        | -53.21           | -53.21       |
|         |    | 100 | SISO | Low     | H    | 61.16                | 1        | -53.15           | -53.15       |
|         |    |     |      |         | V    | 61.02                | 1        | -53.29           | -53.29       |
|         |    |     |      | Mid     | H    | 61.26                | 1        | -53.05           | -53.05       |
|         |    |     |      |         | V    | 61.12                | 1        | -53.19           | -53.19       |
|         |    |     |      | High    | H    | 61.14                | 1        | -53.17           | -53.17       |
|         |    |     |      |         | V    | 61.02                | 1        | -53.29           | -53.29       |
|         |    |     | MIMO | Low     | H    | 61.23                | 1        | -53.08           | -53.08       |
|         |    |     |      |         | V    | 61.21                | 1        | -53.10           | -53.10       |
|         |    |     |      | Mid     | H    | 61.20                | 1        | -53.11           | -53.11       |
|         |    |     |      |         | V    | 61.16                | 1        | -53.15           | -53.15       |
|         |    |     |      | High    | H    | 61.22                | 1        | -53.09           | -53.09       |
|         |    |     |      |         | V    | 61.35                | 1        | -52.96           | -52.96       |
|         | 2  | 50  | SISO | Low     | H    | 61.24                | 1        | -53.07           | -53.07       |
|         |    |     |      |         | V    | 61.11                | 1        | -53.20           | -53.20       |
|         |    |     |      | Mid     | H    | 61.03                | 1        | -53.28           | -53.28       |
|         |    |     |      |         | V    | 61.19                | 1        | -53.12           | -53.12       |
|         |    |     |      | High    | H    | 61.15                | 1        | -53.16           | -53.16       |
|         |    |     |      |         | V    | 61.11                | 1        | -53.20           | -53.20       |
|         |    |     | MIMO | Low     | H    | 61.15                | 1        | -53.16           | -53.16       |
|         |    |     |      |         | V    | 61.09                | 1        | -53.22           | -53.22       |
|         |    |     |      | Mid     | H    | 61.05                | 1        | -53.26           | -53.26       |
|         |    |     |      |         | V    | 61.17                | 1        | -53.14           | -53.14       |
|         |    |     |      | High    | H    | 61.29                | 1        | -53.02           | -53.02       |
|         |    |     |      |         | V    | 61.05                | 1        | -53.26           | -53.26       |
|         |    | 100 | SISO | Low     | H    | 61.36                | 1        | -52.95           | -52.95       |
|         |    |     |      |         | V    | 61.03                | 1        | -53.28           | -53.28       |
|         |    |     |      | Mid     | H    | 61.20                | 1        | -53.11           | -53.11       |
|         |    |     |      |         | V    | 61.04                | 1        | -53.27           | -53.27       |
|         |    |     |      | High    | H    | 61.05                | 1        | -53.26           | -53.26       |
|         |    |     |      |         | V    | 61.09                | 1        | -53.22           | -53.22       |
|         |    |     | MIMO | Low     | H    | 61.18                | 1        | -53.13           | -53.13       |
|         |    |     |      |         | V    | 61.21                | 1        | -53.10           | -53.10       |
|         |    |     |      | Mid     | H    | 61.00                | 1        | -53.31           | -53.31       |
|         |    |     |      |         | V    | 61.02                | 1        | -53.29           | -53.29       |
|         |    |     |      | High    | H    | 61.11                | 1        | -53.20           | -53.20       |
|         |    |     |      |         | V    | 61.19                | 1        | -53.12           | -53.12       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 61.22                | 1        | -53.09           | -53.09       |
|         |    |     |      |         | V    | 61.10                | 1        | -53.21           | -53.21       |
|         |    |     |      | Mid     | H    | 61.05                | 1        | -53.26           | -53.26       |
|         |    |     |      |         | V    | 61.33                | 1        | -52.98           | -52.98       |
|         |    |     |      | High    | H    | 60.97                | 1        | -53.34           | -53.34       |
|         |    |     |      |         | V    | 61.22                | 1        | -53.09           | -53.09       |
|         |    |     | MIMO | Low     | H    | 61.46                | 1        | -52.85           | -52.85       |
|         |    |     |      |         | V    | 61.12                | 1        | -53.19           | -53.19       |
|         |    |     |      | Mid     | H    | 61.07                | 1        | -53.24           | -53.24       |
|         |    |     |      |         | V    | 61.06                | 1        | -53.25           | -53.25       |
|         |    |     |      | High    | H    | 61.23                | 1        | -53.08           | -53.08       |
|         |    |     |      |         | V    | 61.05                | 1        | -53.26           | -53.26       |
|         |    | 100 | SISO | Low     | H    | 61.02                | 1        | -53.29           | -53.29       |
|         |    |     |      |         | V    | 61.17                | 1        | -53.14           | -53.14       |
|         |    |     |      | Mid     | H    | 61.17                | 1        | -53.14           | -53.14       |
|         |    |     |      |         | V    | 61.50                | 1        | -52.81           | -52.81       |
|         |    |     |      | High    | H    | 61.06                | 1        | -53.25           | -53.25       |
|         |    |     |      |         | V    | 61.05                | 1        | -53.26           | -53.26       |
|         |    |     | MIMO | Low     | H    | 61.14                | 1        | -53.17           | -53.17       |
|         |    |     |      |         | V    | 61.00                | 1        | -53.31           | -53.31       |
|         |    |     |      | Mid     | H    | 61.14                | 1        | -53.17           | -53.17       |
|         |    |     |      |         | V    | 61.25                | 1        | -53.06           | -53.06       |
|         |    |     |      | High    | H    | 61.16                | 1        | -53.15           | -53.15       |
|         |    |     |      |         | V    | 60.96                | 1        | -53.35           | -53.35       |
|         | 2  | 50  | SISO | Low     | H    | 61.00                | 1        | -53.31           | -53.31       |
|         |    |     |      |         | V    | 61.02                | 1        | -53.29           | -53.29       |
|         |    |     |      | Mid     | H    | 61.04                | 1        | -53.27           | -53.27       |
|         |    |     |      |         | V    | 61.17                | 1        | -53.14           | -53.14       |
|         |    |     |      | High    | H    | 61.07                | 1        | -53.24           | -53.24       |
|         |    |     |      |         | V    | 61.13                | 1        | -53.18           | -53.18       |
|         |    |     | MIMO | Low     | H    | 61.08                | 1        | -53.23           | -53.23       |
|         |    |     |      |         | V    | 61.05                | 1        | -53.26           | -53.26       |
|         |    |     |      | Mid     | H    | 60.99                | 1        | -53.32           | -53.32       |
|         |    |     |      |         | V    | 61.17                | 1        | -53.14           | -53.14       |
|         |    |     |      | High    | H    | 60.94                | 1        | -53.37           | -53.37       |
|         |    |     |      |         | V    | 61.06                | 1        | -53.25           | -53.25       |
|         |    | 100 | SISO | Low     | H    | 61.18                | 1        | -53.13           | -53.13       |
|         |    |     |      |         | V    | 61.24                | 1        | -53.07           | -53.07       |
|         |    |     |      | Mid     | H    | 61.23                | 1        | -53.08           | -53.08       |
|         |    |     |      |         | V    | 61.17                | 1        | -53.14           | -53.14       |
|         |    |     |      | High    | H    | 61.15                | 1        | -53.16           | -53.16       |
|         |    |     |      |         | V    | 61.18                | 1        | -53.13           | -53.13       |
|         |    |     | MIMO | Low     | H    | 61.06                | 1        | -53.25           | -53.25       |
|         |    |     |      |         | V    | 61.26                | 1        | -53.05           | -53.05       |
|         |    |     |      | Mid     | H    | 61.01                | 1        | -53.30           | -53.30       |
|         |    |     |      |         | V    | 60.97                | 1        | -53.34           | -53.34       |
|         |    |     |      | High    | H    | 61.07                | 1        | -53.24           | -53.24       |
|         |    |     |      |         | V    | 61.17                | 1        | -53.14           | -53.14       |



90 GHz ~ 100 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 80.65                | 1        | -33.66           | -33.66       |
|         |    |     |      |         | V    | 80.77                | 1        | -33.54           | -33.54       |
|         |    |     |      | Mid     | H    | 80.72                | 1        | -33.59           | -33.59       |
|         |    |     |      |         | V    | 80.62                | 1        | -33.69           | -33.69       |
|         |    |     |      | High    | H    | 80.79                | 1        | -33.52           | -33.52       |
|         |    |     |      |         | V    | 80.64                | 1        | -33.67           | -33.67       |
|         |    |     | MIMO | Low     | H    | 80.59                | 1        | -33.72           | -33.72       |
|         |    |     |      |         | V    | 80.76                | 1        | -33.55           | -33.55       |
|         |    |     |      | Mid     | H    | 80.74                | 1        | -33.57           | -33.57       |
|         |    |     |      |         | V    | 80.71                | 1        | -33.60           | -33.60       |
|         |    |     |      | High    | H    | 80.77                | 1        | -33.54           | -33.54       |
|         |    |     |      |         | V    | 80.65                | 1        | -33.66           | -33.66       |
|         |    | 100 | SISO | Low     | H    | 80.86                | 1        | -33.45           | -33.45       |
|         |    |     |      |         | V    | 80.67                | 1        | -33.64           | -33.64       |
|         |    |     |      | Mid     | H    | 80.79                | 1        | -33.52           | -33.52       |
|         |    |     |      |         | V    | 80.54                | 1        | -33.77           | -33.77       |
|         |    |     |      | High    | H    | 80.51                | 1        | -33.80           | -33.80       |
|         |    |     |      |         | V    | 80.60                | 1        | -33.71           | -33.71       |
|         |    |     | MIMO | Low     | H    | 80.86                | 1        | -33.45           | -33.45       |
|         |    |     |      |         | V    | 80.77                | 1        | -33.54           | -33.54       |
|         |    |     |      | Mid     | H    | 80.77                | 1        | -33.54           | -33.54       |
|         |    |     |      |         | V    | 80.54                | 1        | -33.77           | -33.77       |
|         |    |     |      | High    | H    | 80.57                | 1        | -33.74           | -33.74       |
|         |    |     |      |         | V    | 80.70                | 1        | -33.61           | -33.61       |
|         | 2  | 50  | SISO | Low     | H    | 80.73                | 1        | -33.58           | -33.58       |
|         |    |     |      |         | V    | 80.58                | 1        | -33.73           | -33.73       |
|         |    |     |      | Mid     | H    | 80.55                | 1        | -33.76           | -33.76       |
|         |    |     |      |         | V    | 80.51                | 1        | -33.80           | -33.80       |
|         |    |     |      | High    | H    | 80.85                | 1        | -33.46           | -33.46       |
|         |    |     |      |         | V    | 80.57                | 1        | -33.74           | -33.74       |
|         |    |     | MIMO | Low     | H    | 80.57                | 1        | -33.74           | -33.74       |
|         |    |     |      |         | V    | 80.73                | 1        | -33.58           | -33.58       |
|         |    |     |      | Mid     | H    | 80.77                | 1        | -33.54           | -33.54       |
|         |    |     |      |         | V    | 80.57                | 1        | -33.74           | -33.74       |
|         |    |     |      | High    | H    | 80.62                | 1        | -33.69           | -33.69       |
|         |    |     |      |         | V    | 80.66                | 1        | -33.65           | -33.65       |
|         |    | 100 | SISO | Low     | H    | 80.61                | 1        | -33.70           | -33.70       |
|         |    |     |      |         | V    | 80.62                | 1        | -33.69           | -33.69       |
|         |    |     |      | Mid     | H    | 80.65                | 1        | -33.66           | -33.66       |
|         |    |     |      |         | V    | 80.78                | 1        | -33.53           | -33.53       |
|         |    |     |      | High    | H    | 80.71                | 1        | -33.60           | -33.60       |
|         |    |     |      |         | V    | 80.79                | 1        | -33.52           | -33.52       |
|         |    |     | MIMO | Low     | H    | 80.65                | 1        | -33.66           | -33.66       |
|         |    |     |      |         | V    | 80.71                | 1        | -33.60           | -33.60       |
|         |    |     |      | Mid     | H    | 80.57                | 1        | -33.74           | -33.74       |
|         |    |     |      |         | V    | 80.66                | 1        | -33.65           | -33.65       |
|         |    |     |      | High    | H    | 80.59                | 1        | -33.72           | -33.72       |
|         |    |     |      |         | V    | 80.59                | 1        | -33.72           | -33.72       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 80.65                | 1        | -33.66           | -33.66       |
|         |    |     |      |         | V    | 80.59                | 1        | -33.72           | -33.72       |
|         |    |     |      | Mid     | H    | 80.47                | 1        | -33.84           | -33.84       |
|         |    |     |      |         | V    | 80.80                | 1        | -33.51           | -33.51       |
|         |    |     |      | High    | H    | 80.81                | 1        | -33.50           | -33.50       |
|         |    |     |      |         | V    | 80.62                | 1        | -33.69           | -33.69       |
|         |    |     | MIMO | Low     | H    | 80.71                | 1        | -33.60           | -33.60       |
|         |    |     |      |         | V    | 80.70                | 1        | -33.61           | -33.61       |
|         |    |     |      | Mid     | H    | 80.59                | 1        | -33.72           | -33.72       |
|         |    |     |      |         | V    | 80.63                | 1        | -33.68           | -33.68       |
|         |    |     |      | High    | H    | 80.67                | 1        | -33.64           | -33.64       |
|         |    |     |      |         | V    | 80.86                | 1        | -33.45           | -33.45       |
|         |    | 100 | SISO | Low     | H    | 80.52                | 1        | -33.79           | -33.79       |
|         |    |     |      |         | V    | 80.53                | 1        | -33.78           | -33.78       |
|         |    |     |      | Mid     | H    | 80.71                | 1        | -33.60           | -33.60       |
|         |    |     |      |         | V    | 80.95                | 1        | -33.36           | -33.36       |
|         |    |     |      | High    | H    | 80.81                | 1        | -33.50           | -33.50       |
|         |    |     |      |         | V    | 81.01                | 1        | -33.30           | -33.30       |
|         |    |     | MIMO | Low     | H    | 80.87                | 1        | -33.44           | -33.44       |
|         |    |     |      |         | V    | 80.58                | 1        | -33.73           | -33.73       |
|         |    |     |      | Mid     | H    | 80.69                | 1        | -33.62           | -33.62       |
|         |    |     |      |         | V    | 80.56                | 1        | -33.75           | -33.75       |
|         |    |     |      | High    | H    | 80.61                | 1        | -33.70           | -33.70       |
|         |    |     |      |         | V    | 80.55                | 1        | -33.76           | -33.76       |
|         | 2  | 50  | SISO | Low     | H    | 80.68                | 1        | -33.63           | -33.63       |
|         |    |     |      |         | V    | 80.74                | 1        | -33.57           | -33.57       |
|         |    |     |      | Mid     | H    | 80.63                | 1        | -33.68           | -33.68       |
|         |    |     |      |         | V    | 80.54                | 1        | -33.77           | -33.77       |
|         |    |     |      | High    | H    | 80.77                | 1        | -33.54           | -33.54       |
|         |    |     |      |         | V    | 80.81                | 1        | -33.50           | -33.50       |
|         |    |     | MIMO | Low     | H    | 80.76                | 1        | -33.55           | -33.55       |
|         |    |     |      |         | V    | 80.64                | 1        | -33.67           | -33.67       |
|         |    |     |      | Mid     | H    | 80.63                | 1        | -33.68           | -33.68       |
|         |    |     |      |         | V    | 80.67                | 1        | -33.64           | -33.64       |
|         |    |     |      | High    | H    | 80.51                | 1        | -33.80           | -33.80       |
|         |    |     |      |         | V    | 80.73                | 1        | -33.58           | -33.58       |
|         |    | 100 | SISO | Low     | H    | 80.64                | 1        | -33.67           | -33.67       |
|         |    |     |      |         | V    | 80.83                | 1        | -33.48           | -33.48       |
|         |    |     |      | Mid     | H    | 80.59                | 1        | -33.72           | -33.72       |
|         |    |     |      |         | V    | 80.78                | 1        | -33.53           | -33.53       |
|         |    |     |      | High    | H    | 80.56                | 1        | -33.75           | -33.75       |
|         |    |     |      |         | V    | 80.49                | 1        | -33.82           | -33.82       |
|         |    |     | MIMO | Low     | H    | 80.74                | 1        | -33.57           | -33.57       |
|         |    |     |      |         | V    | 80.63                | 1        | -33.68           | -33.68       |
|         |    |     |      | Mid     | H    | 80.71                | 1        | -33.60           | -33.60       |
|         |    |     |      |         | V    | 80.79                | 1        | -33.52           | -33.52       |
|         |    |     |      | High    | H    | 80.62                | 1        | -33.69           | -33.69       |
|         |    |     |      |         | V    | 80.76                | 1        | -33.55           | -33.55       |

**n260**

**9 kHz ~ 150 kHz**

| Antenna | CC | BW | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50 | SISO | Low     | H    | 80.193               | 3.75     | -22.64           | -22.64       |
|         |    |    |      |         | V    | 79.965               | 3.75     | -22.87           | -22.87       |
|         |    |    |      | Mid     | H    | 80.190               | 3.75     | -22.64           | -22.64       |
|         |    |    |      |         | V    | 80.550               | 3.75     | -22.28           | -22.28       |
|         |    |    |      | High    | H    | 80.797               | 3.75     | -22.03           | -22.03       |
|         |    |    |      |         | V    | 80.374               | 3.75     | -22.46           | -22.46       |
|         |    |    | MIMO | Low     | H    | 80.407               | 3.75     | -22.42           | -22.42       |
|         |    |    |      |         | V    | 80.909               | 3.75     | -21.92           | -21.92       |

**150 kHz ~ 30 MHz**

| Antenna | CC | BW | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50 | SISO | Low     | H    | 68.818               | 3.75     | -34.01           | -34.01       |
|         |    |    |      |         | V    | 68.247               | 3.75     | -34.58           | -34.58       |
|         |    |    |      | Mid     | H    | 68.291               | 3.75     | -34.54           | -34.54       |
|         |    |    |      |         | V    | 69.695               | 3.75     | -33.14           | -33.14       |
|         |    |    |      | High    | H    | 69.686               | 3.75     | -33.15           | -33.15       |
|         |    |    |      |         | V    | 69.524               | 3.75     | -33.31           | -33.31       |
|         |    |    | MIMO | Low     | H    | 69.454               | 3.75     | -33.38           | -33.38       |
|         |    |    |      |         | V    | 69.267               | 3.75     | -33.56           | -33.56       |

30 MHz ~ 1 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 48.183               | 3.75     | -54.65           | -54.65       |
|         |    |     |      |         | V    | 48.224               | 3.75     | -54.61           | -54.61       |
|         |    |     |      | Mid     | H    | 48.315               | 3.75     | -54.52           | -54.52       |
|         |    |     |      |         | V    | 48.216               | 3.75     | -54.62           | -54.62       |
|         |    |     |      | High    | H    | 48.390               | 3.75     | -54.44           | -54.44       |
|         |    |     |      |         | V    | 48.215               | 3.75     | -54.62           | -54.62       |
|         |    |     | MIMO | Low     | H    | 48.159               | 3.75     | -54.67           | -54.67       |
|         |    |     |      |         | V    | 48.431               | 3.75     | -54.40           | -54.40       |
|         |    |     |      | Mid     | H    | 48.235               | 3.75     | -54.60           | -54.60       |
|         |    |     |      |         | V    | 48.436               | 3.75     | -54.40           | -54.40       |
|         |    |     |      | High    | H    | 48.448               | 3.75     | -54.38           | -54.38       |
|         |    |     |      |         | V    | 48.088               | 3.75     | -54.74           | -54.74       |
|         |    | 100 | SISO | Low     | H    | 48.330               | 3.75     | -54.50           | -54.50       |
|         |    |     |      |         | V    | 48.228               | 3.75     | -54.60           | -54.60       |
|         |    |     |      | Mid     | H    | 48.130               | 3.75     | -54.70           | -54.70       |
|         |    |     |      |         | V    | 48.182               | 3.75     | -54.65           | -54.65       |
|         |    |     |      | High    | H    | 48.402               | 3.75     | -54.43           | -54.43       |
|         |    |     |      |         | V    | 48.400               | 3.75     | -54.43           | -54.43       |
|         |    |     | MIMO | Low     | H    | 48.178               | 3.75     | -54.65           | -54.65       |
|         |    |     |      |         | V    | 48.246               | 3.75     | -54.59           | -54.59       |
|         |    |     |      | Mid     | H    | 48.372               | 3.75     | -54.46           | -54.46       |
|         |    |     |      |         | V    | 48.153               | 3.75     | -54.68           | -54.68       |
|         |    |     |      | High    | H    | 48.181               | 3.75     | -54.65           | -54.65       |
|         |    |     |      |         | V    | 48.129               | 3.75     | -54.70           | -54.70       |
|         | 2  | 50  | SISO | Low     | H    | 48.416               | 3.75     | -54.42           | -54.42       |
|         |    |     |      |         | V    | 48.233               | 3.75     | -54.60           | -54.60       |
|         |    |     |      | Mid     | H    | 48.300               | 3.75     | -54.53           | -54.53       |
|         |    |     |      |         | V    | 48.450               | 3.75     | -54.38           | -54.38       |
|         |    |     |      | High    | H    | 48.370               | 3.75     | -54.46           | -54.46       |
|         |    |     |      |         | V    | 48.270               | 3.75     | -54.56           | -54.56       |
|         |    |     | MIMO | Low     | H    | 48.242               | 3.75     | -54.59           | -54.59       |
|         |    |     |      |         | V    | 48.421               | 3.75     | -54.41           | -54.41       |
|         |    |     |      | Mid     | H    | 48.326               | 3.75     | -54.51           | -54.51       |
|         |    |     |      |         | V    | 48.371               | 3.75     | -54.46           | -54.46       |
|         |    |     |      | High    | H    | 48.225               | 3.75     | -54.61           | -54.61       |
|         |    |     |      |         | V    | 48.204               | 3.75     | -54.63           | -54.63       |
|         |    | 100 | SISO | Low     | H    | 48.399               | 3.75     | -54.43           | -54.43       |
|         |    |     |      |         | V    | 48.406               | 3.75     | -54.43           | -54.43       |
|         |    |     |      | Mid     | H    | 48.225               | 3.75     | -54.61           | -54.61       |
|         |    |     |      |         | V    | 48.237               | 3.75     | -54.59           | -54.59       |
|         |    |     |      | High    | H    | 48.385               | 3.75     | -54.45           | -54.45       |
|         |    |     |      |         | V    | 48.501               | 3.75     | -54.33           | -54.33       |
|         |    |     | MIMO | Low     | H    | 48.242               | 3.75     | -54.59           | -54.59       |
|         |    |     |      |         | V    | 48.243               | 3.75     | -54.59           | -54.59       |
|         |    |     |      | Mid     | H    | 48.106               | 3.75     | -54.73           | -54.73       |
|         |    |     |      |         | V    | 48.247               | 3.75     | -54.58           | -54.58       |
|         |    |     |      | High    | H    | 48.221               | 3.75     | -54.61           | -54.61       |
|         |    |     |      |         | V    | 48.302               | 3.75     | -54.53           | -54.53       |



| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 48.192               | 3.75     | -54.64           | -54.64       |
|         |    |     |      |         | V    | 48.191               | 3.75     | -54.64           | -54.64       |
|         |    |     |      | Mid     | H    | 48.310               | 3.75     | -54.52           | -54.52       |
|         |    |     |      |         | V    | 48.168               | 3.75     | -54.66           | -54.66       |
|         |    |     |      | High    | H    | 48.299               | 3.75     | -54.53           | -54.53       |
|         |    |     |      |         | V    | 48.263               | 3.75     | -54.57           | -54.57       |
|         |    |     | MIMO | Low     | H    | 48.166               | 3.75     | -54.67           | -54.67       |
|         |    |     |      |         | V    | 48.212               | 3.75     | -54.62           | -54.62       |
|         |    |     |      | Mid     | H    | 48.282               | 3.75     | -54.55           | -54.55       |
|         |    |     |      |         | V    | 48.459               | 3.75     | -54.37           | -54.37       |
|         |    |     |      | High    | H    | 48.266               | 3.75     | -54.57           | -54.57       |
|         |    |     |      |         | V    | 48.181               | 3.75     | -54.65           | -54.65       |
|         |    | 100 | SISO | Low     | H    | 48.525               | 3.75     | -54.31           | -54.31       |
|         |    |     |      |         | V    | 48.152               | 3.75     | -54.68           | -54.68       |
|         |    |     |      | Mid     | H    | 48.294               | 3.75     | -54.54           | -54.54       |
|         |    |     |      |         | V    | 48.353               | 3.75     | -54.48           | -54.48       |
|         |    |     |      | High    | H    | 48.199               | 3.75     | -54.63           | -54.63       |
|         |    |     |      |         | V    | 48.392               | 3.75     | -54.44           | -54.44       |
|         |    |     | MIMO | Low     | H    | 48.245               | 3.75     | -54.59           | -54.59       |
|         |    |     |      |         | V    | 48.241               | 3.75     | -54.59           | -54.59       |
|         |    |     |      | Mid     | H    | 48.326               | 3.75     | -54.51           | -54.51       |
|         |    |     |      |         | V    | 48.136               | 3.75     | -54.70           | -54.70       |
|         |    |     |      | High    | H    | 48.336               | 3.75     | -54.50           | -54.50       |
|         |    |     |      |         | V    | 48.211               | 3.75     | -54.62           | -54.62       |
|         | 2  | 50  | SISO | Low     | H    | 48.307               | 3.75     | -54.52           | -54.52       |
|         |    |     |      |         | V    | 48.304               | 3.75     | -54.53           | -54.53       |
|         |    |     |      | Mid     | H    | 48.421               | 3.75     | -54.41           | -54.41       |
|         |    |     |      |         | V    | 48.251               | 3.75     | -54.58           | -54.58       |
|         |    |     |      | High    | H    | 48.224               | 3.75     | -54.61           | -54.61       |
|         |    |     |      |         | V    | 48.239               | 3.75     | -54.59           | -54.59       |
|         |    |     | MIMO | Low     | H    | 48.520               | 3.75     | -54.31           | -54.31       |
|         |    |     |      |         | V    | 48.402               | 3.75     | -54.43           | -54.43       |
|         |    |     |      | Mid     | H    | 48.330               | 3.75     | -54.50           | -54.50       |
|         |    |     |      |         | V    | 48.350               | 3.75     | -54.48           | -54.48       |
|         |    |     |      | High    | H    | 48.262               | 3.75     | -54.57           | -54.57       |
|         |    |     |      |         | V    | 48.219               | 3.75     | -54.61           | -54.61       |
|         |    | 100 | SISO | Low     | H    | 48.113               | 3.75     | -54.72           | -54.72       |
|         |    |     |      |         | V    | 48.321               | 3.75     | -54.51           | -54.51       |
|         |    |     |      | Mid     | H    | 48.288               | 3.75     | -54.54           | -54.54       |
|         |    |     |      |         | V    | 48.313               | 3.75     | -54.52           | -54.52       |
|         |    |     |      | High    | H    | 48.263               | 3.75     | -54.57           | -54.57       |
|         |    |     |      |         | V    | 48.273               | 3.75     | -54.56           | -54.56       |
|         |    |     | MIMO | Low     | H    | 48.203               | 3.75     | -54.63           | -54.63       |
|         |    |     |      |         | V    | 48.335               | 3.75     | -54.50           | -54.50       |
|         |    |     |      | Mid     | H    | 48.323               | 3.75     | -54.51           | -54.51       |
|         |    |     |      |         | V    | 48.301               | 3.75     | -54.53           | -54.53       |
|         |    |     |      | High    | H    | 48.390               | 3.75     | -54.44           | -54.44       |
|         |    |     |      |         | V    | 48.232               | 3.75     | -54.60           | -54.60       |

1 GHz ~ 18 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 62.620               | 3.75     | -40.21           | -40.21       |
|         |    |     |      |         | V    | 62.503               | 3.75     | -40.33           | -40.33       |
|         |    |     |      | Mid     | H    | 62.745               | 3.75     | -40.09           | -40.09       |
|         |    |     |      |         | V    | 62.480               | 3.75     | -40.35           | -40.35       |
|         |    |     |      | High    | H    | 62.773               | 3.75     | -40.06           | -40.06       |
|         |    |     |      |         | V    | 62.628               | 3.75     | -40.20           | -40.20       |
|         |    |     | MIMO | Low     | H    | 62.573               | 3.75     | -40.26           | -40.26       |
|         |    |     |      |         | V    | 62.435               | 3.75     | -40.40           | -40.40       |
|         |    |     |      | Mid     | H    | 62.627               | 3.75     | -40.20           | -40.20       |
|         |    |     |      |         | V    | 62.452               | 3.75     | -40.38           | -40.38       |
|         |    |     |      | High    | H    | 62.638               | 3.75     | -40.19           | -40.19       |
|         |    |     |      |         | V    | 62.358               | 3.75     | -40.47           | -40.47       |
|         |    | 100 | SISO | Low     | H    | 62.546               | 3.75     | -40.29           | -40.29       |
|         |    |     |      |         | V    | 62.608               | 3.75     | -40.22           | -40.22       |
|         |    |     |      | Mid     | H    | 62.788               | 3.75     | -40.04           | -40.04       |
|         |    |     |      |         | V    | 62.700               | 3.75     | -40.13           | -40.13       |
|         |    |     |      | High    | H    | 62.535               | 3.75     | -40.30           | -40.30       |
|         |    |     |      |         | V    | 62.596               | 3.75     | -40.24           | -40.24       |
|         |    |     | MIMO | Low     | H    | 62.586               | 3.75     | -40.25           | -40.25       |
|         |    |     |      |         | V    | 62.441               | 3.75     | -40.39           | -40.39       |
|         |    |     |      | Mid     | H    | 62.659               | 3.75     | -40.17           | -40.17       |
|         |    |     |      |         | V    | 62.577               | 3.75     | -40.25           | -40.25       |
|         |    |     |      | High    | H    | 62.577               | 3.75     | -40.25           | -40.25       |
|         |    |     |      |         | V    | 62.404               | 3.75     | -40.43           | -40.43       |
|         | 2  | 50  | SISO | Low     | H    | 63.140               | 3.75     | -39.69           | -39.69       |
|         |    |     |      |         | V    | 62.760               | 3.75     | -40.07           | -40.07       |
|         |    |     |      | Mid     | H    | 62.415               | 3.75     | -40.42           | -40.42       |
|         |    |     |      |         | V    | 62.697               | 3.75     | -40.13           | -40.13       |
|         |    |     |      | High    | H    | 62.469               | 3.75     | -40.36           | -40.36       |
|         |    |     |      |         | V    | 62.683               | 3.75     | -40.15           | -40.15       |
|         |    |     | MIMO | Low     | H    | 62.517               | 3.75     | -40.31           | -40.31       |
|         |    |     |      |         | V    | 62.576               | 3.75     | -40.26           | -40.26       |
|         |    |     |      | Mid     | H    | 62.461               | 3.75     | -40.37           | -40.37       |
|         |    |     |      |         | V    | 62.474               | 3.75     | -40.36           | -40.36       |
|         |    |     |      | High    | H    | 62.663               | 3.75     | -40.17           | -40.17       |
|         |    |     |      |         | V    | 62.631               | 3.75     | -40.20           | -40.20       |
|         |    | 100 | SISO | Low     | H    | 62.484               | 3.75     | -40.35           | -40.35       |
|         |    |     |      |         | V    | 62.497               | 3.75     | -40.33           | -40.33       |
|         |    |     |      | Mid     | H    | 62.540               | 3.75     | -40.29           | -40.29       |
|         |    |     |      |         | V    | 62.404               | 3.75     | -40.43           | -40.43       |
|         |    |     |      | High    | H    | 62.453               | 3.75     | -40.38           | -40.38       |
|         |    |     |      |         | V    | 62.500               | 3.75     | -40.33           | -40.33       |
|         |    |     | MIMO | Low     | H    | 62.412               | 3.75     | -40.42           | -40.42       |
|         |    |     |      |         | V    | 62.534               | 3.75     | -40.30           | -40.30       |
|         |    |     |      | Mid     | H    | 62.543               | 3.75     | -40.29           | -40.29       |
|         |    |     |      |         | V    | 62.454               | 3.75     | -40.38           | -40.38       |
|         |    |     |      | High    | H    | 62.465               | 3.75     | -40.37           | -40.37       |
|         |    |     |      |         | V    | 62.498               | 3.75     | -40.33           | -40.33       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 62.436               | 3.75     | -40.40           | -40.40       |
|         |    |     |      |         | V    | 62.432               | 3.75     | -40.40           | -40.40       |
|         |    |     |      | Mid     | H    | 62.435               | 3.75     | -40.40           | -40.40       |
|         |    |     |      |         | V    | 62.283               | 3.75     | -40.55           | -40.55       |
|         |    |     |      | High    | H    | 62.391               | 3.75     | -40.44           | -40.44       |
|         |    |     |      |         | V    | 62.488               | 3.75     | -40.34           | -40.34       |
|         |    |     | MIMO | Low     | H    | 62.525               | 3.75     | -40.31           | -40.31       |
|         |    |     |      |         | V    | 62.613               | 3.75     | -40.22           | -40.22       |
|         |    |     |      | Mid     | H    | 62.430               | 3.75     | -40.40           | -40.40       |
|         |    |     |      |         | V    | 62.581               | 3.75     | -40.25           | -40.25       |
|         |    |     |      | High    | H    | 62.637               | 3.75     | -40.19           | -40.19       |
|         |    |     |      |         | V    | 62.315               | 3.75     | -40.52           | -40.52       |
|         |    | 100 | SISO | Low     | H    | 62.566               | 3.75     | -40.27           | -40.27       |
|         |    |     |      |         | V    | 62.559               | 3.75     | -40.27           | -40.27       |
|         |    |     |      | Mid     | H    | 62.632               | 3.75     | -40.20           | -40.20       |
|         |    |     |      |         | V    | 62.875               | 3.75     | -39.96           | -39.96       |
|         |    |     |      | High    | H    | 62.607               | 3.75     | -40.22           | -40.22       |
|         |    |     |      |         | V    | 62.519               | 3.75     | -40.31           | -40.31       |
|         |    |     | MIMO | Low     | H    | 62.702               | 3.75     | -40.13           | -40.13       |
|         |    |     |      |         | V    | 62.446               | 3.75     | -40.39           | -40.39       |
|         |    |     |      | Mid     | H    | 62.758               | 3.75     | -40.07           | -40.07       |
|         |    |     |      |         | V    | 62.500               | 3.75     | -40.33           | -40.33       |
|         |    |     |      | High    | H    | 62.432               | 3.75     | -40.40           | -40.40       |
|         |    |     |      |         | V    | 62.954               | 3.75     | -39.88           | -39.88       |
|         | 2  | 50  | SISO | Low     | H    | 62.927               | 3.75     | -39.90           | -39.90       |
|         |    |     |      |         | V    | 62.559               | 3.75     | -40.27           | -40.27       |
|         |    |     |      | Mid     | H    | 62.510               | 3.75     | -40.32           | -40.32       |
|         |    |     |      |         | V    | 62.815               | 3.75     | -40.02           | -40.02       |
|         |    |     |      | High    | H    | 62.550               | 3.75     | -40.28           | -40.28       |
|         |    |     |      |         | V    | 62.617               | 3.75     | -40.21           | -40.21       |
|         |    |     | MIMO | Low     | H    | 62.568               | 3.75     | -40.26           | -40.26       |
|         |    |     |      |         | V    | 62.595               | 3.75     | -40.24           | -40.24       |
|         |    |     |      | Mid     | H    | 62.848               | 3.75     | -39.98           | -39.98       |
|         |    |     |      |         | V    | 62.910               | 3.75     | -39.92           | -39.92       |
|         |    |     |      | High    | H    | 62.706               | 3.75     | -40.13           | -40.13       |
|         |    |     |      |         | V    | 62.640               | 3.75     | -40.19           | -40.19       |
|         |    | 100 | SISO | Low     | H    | 62.845               | 3.75     | -39.99           | -39.99       |
|         |    |     |      |         | V    | 62.767               | 3.75     | -40.06           | -40.06       |
|         |    |     |      | Mid     | H    | 62.784               | 3.75     | -40.05           | -40.05       |
|         |    |     |      |         | V    | 62.502               | 3.75     | -40.33           | -40.33       |
|         |    |     |      | High    | H    | 62.542               | 3.75     | -40.29           | -40.29       |
|         |    |     |      |         | V    | 62.701               | 3.75     | -40.13           | -40.13       |
|         |    |     | MIMO | Low     | H    | 62.540               | 3.75     | -40.29           | -40.29       |
|         |    |     |      |         | V    | 62.641               | 3.75     | -40.19           | -40.19       |
|         |    |     |      | Mid     | H    | 62.803               | 3.75     | -40.03           | -40.03       |
|         |    |     |      |         | V    | 62.682               | 3.75     | -40.15           | -40.15       |
|         |    |     |      | High    | H    | 62.607               | 3.75     | -40.22           | -40.22       |
|         |    |     |      |         | V    | 62.745               | 3.75     | -40.09           | -40.09       |

18 GHz ~ 26.5 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 37.88                | 3.75     | -64.95           | -64.95       |
|         |    |     |      |         | V    | 37.88                | 3.75     | -64.95           | -64.95       |
|         |    |     |      | Mid     | H    | 37.88                | 3.75     | -64.95           | -64.95       |
|         |    |     |      |         | V    | 38.06                | 3.75     | -64.77           | -64.77       |
|         |    |     |      | High    | H    | 37.91                | 3.75     | -64.92           | -64.92       |
|         |    |     |      |         | V    | 37.97                | 3.75     | -64.86           | -64.86       |
|         |    |     | MIMO | Low     | H    | 37.89                | 3.75     | -64.94           | -64.94       |
|         |    |     |      |         | V    | 38.25                | 3.75     | -64.58           | -64.58       |
|         |    |     |      | Mid     | H    | 38.00                | 3.75     | -64.83           | -64.83       |
|         |    |     |      |         | V    | 37.76                | 3.75     | -65.07           | -65.07       |
|         |    |     |      | High    | H    | 37.96                | 3.75     | -64.87           | -64.87       |
|         |    |     |      |         | V    | 37.98                | 3.75     | -64.85           | -64.85       |
|         |    | 100 | SISO | Low     | H    | 38.00                | 3.75     | -64.83           | -64.83       |
|         |    |     |      |         | V    | 37.91                | 3.75     | -64.92           | -64.92       |
|         |    |     |      | Mid     | H    | 38.04                | 3.75     | -64.79           | -64.79       |
|         |    |     |      |         | V    | 37.88                | 3.75     | -64.95           | -64.95       |
|         |    |     |      | High    | H    | 38.08                | 3.75     | -64.75           | -64.75       |
|         |    |     |      |         | V    | 37.99                | 3.75     | -64.84           | -64.84       |
|         |    |     | MIMO | Low     | H    | 38.02                | 3.75     | -64.81           | -64.81       |
|         |    |     |      |         | V    | 37.85                | 3.75     | -64.98           | -64.98       |
|         |    |     |      | Mid     | H    | 38.03                | 3.75     | -64.80           | -64.80       |
|         |    |     |      |         | V    | 38.09                | 3.75     | -64.74           | -64.74       |
|         |    |     |      | High    | H    | 37.99                | 3.75     | -64.84           | -64.84       |
|         |    |     |      |         | V    | 38.02                | 3.75     | -64.81           | -64.81       |
|         | 2  | 50  | SISO | Low     | H    | 38.26                | 3.75     | -64.57           | -64.57       |
|         |    |     |      |         | V    | 37.98                | 3.75     | -64.85           | -64.85       |
|         |    |     |      | Mid     | H    | 38.02                | 3.75     | -64.81           | -64.81       |
|         |    |     |      |         | V    | 37.96                | 3.75     | -64.87           | -64.87       |
|         |    |     |      | High    | H    | 37.99                | 3.75     | -64.84           | -64.84       |
|         |    |     |      |         | V    | 38.35                | 3.75     | -64.48           | -64.48       |
|         |    |     | MIMO | Low     | H    | 37.88                | 3.75     | -64.95           | -64.95       |
|         |    |     |      |         | V    | 38.03                | 3.75     | -64.80           | -64.80       |
|         |    |     |      | Mid     | H    | 37.96                | 3.75     | -64.87           | -64.87       |
|         |    |     |      |         | V    | 37.93                | 3.75     | -64.90           | -64.90       |
|         |    |     |      | High    | H    | 37.95                | 3.75     | -64.88           | -64.88       |
|         |    |     |      |         | V    | 38.17                | 3.75     | -64.66           | -64.66       |
|         |    | 100 | SISO | Low     | H    | 38.03                | 3.75     | -64.80           | -64.80       |
|         |    |     |      |         | V    | 38.09                | 3.75     | -64.74           | -64.74       |
|         |    |     |      | Mid     | H    | 37.99                | 3.75     | -64.84           | -64.84       |
|         |    |     |      |         | V    | 38.15                | 3.75     | -64.68           | -64.68       |
|         |    |     |      | High    | H    | 38.30                | 3.75     | -64.53           | -64.53       |
|         |    |     |      |         | V    | 38.03                | 3.75     | -64.80           | -64.80       |
|         |    |     | MIMO | Low     | H    | 38.22                | 3.75     | -64.61           | -64.61       |
|         |    |     |      |         | V    | 37.89                | 3.75     | -64.94           | -64.94       |
|         |    |     |      | Mid     | H    | 37.93                | 3.75     | -64.90           | -64.90       |
|         |    |     |      |         | V    | 38.15                | 3.75     | -64.68           | -64.68       |
|         |    |     |      | High    | H    | 37.88                | 3.75     | -64.95           | -64.95       |
|         |    |     |      |         | V    | 38.03                | 3.75     | -64.80           | -64.80       |



| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 37.94                | 3.75     | -64.89           | -64.89       |
|         |    |     |      |         | V    | 38.06                | 3.75     | -64.77           | -64.77       |
|         |    |     |      | Mid     | H    | 38.11                | 3.75     | -64.72           | -64.72       |
|         |    |     |      |         | V    | 38.01                | 3.75     | -64.82           | -64.82       |
|         |    |     |      | High    | H    | 38.22                | 3.75     | -64.61           | -64.61       |
|         |    |     |      |         | V    | 38.09                | 3.75     | -64.74           | -64.74       |
|         |    |     | MIMO | Low     | H    | 38.09                | 3.75     | -64.74           | -64.74       |
|         |    |     |      |         | V    | 38.22                | 3.75     | -64.61           | -64.61       |
|         |    |     |      | Mid     | H    | 38.09                | 3.75     | -64.74           | -64.74       |
|         |    |     |      |         | V    | 38.00                | 3.75     | -64.83           | -64.83       |
|         |    |     |      | High    | H    | 38.02                | 3.75     | -64.81           | -64.81       |
|         |    |     |      |         | V    | 38.03                | 3.75     | -64.80           | -64.80       |
|         |    | 100 | SISO | Low     | H    | 38.37                | 3.75     | -64.46           | -64.46       |
|         |    |     |      |         | V    | 38.28                | 3.75     | -64.55           | -64.55       |
|         |    |     |      | Mid     | H    | 38.24                | 3.75     | -64.59           | -64.59       |
|         |    |     |      |         | V    | 38.07                | 3.75     | -64.76           | -64.76       |
|         |    |     |      | High    | H    | 38.09                | 3.75     | -64.74           | -64.74       |
|         |    |     |      |         | V    | 38.24                | 3.75     | -64.59           | -64.59       |
|         |    |     | MIMO | Low     | H    | 37.93                | 3.75     | -64.90           | -64.90       |
|         |    |     |      |         | V    | 38.15                | 3.75     | -64.68           | -64.68       |
|         |    |     |      | Mid     | H    | 38.27                | 3.75     | -64.56           | -64.56       |
|         |    |     |      |         | V    | 38.12                | 3.75     | -64.71           | -64.71       |
|         |    |     |      | High    | H    | 38.11                | 3.75     | -64.72           | -64.72       |
|         |    |     |      |         | V    | 38.14                | 3.75     | -64.69           | -64.69       |
|         | 2  | 50  | SISO | Low     | H    | 38.04                | 3.75     | -64.79           | -64.79       |
|         |    |     |      |         | V    | 38.14                | 3.75     | -64.69           | -64.69       |
|         |    |     |      | Mid     | H    | 38.29                | 3.75     | -64.54           | -64.54       |
|         |    |     |      |         | V    | 38.10                | 3.75     | -64.73           | -64.73       |
|         |    |     |      | High    | H    | 38.11                | 3.75     | -64.72           | -64.72       |
|         |    |     |      |         | V    | 38.01                | 3.75     | -64.82           | -64.82       |
|         |    |     | MIMO | Low     | H    | 38.25                | 3.75     | -64.58           | -64.58       |
|         |    |     |      |         | V    | 38.20                | 3.75     | -64.63           | -64.63       |
|         |    |     |      | Mid     | H    | 38.21                | 3.75     | -64.62           | -64.62       |
|         |    |     |      |         | V    | 38.18                | 3.75     | -64.65           | -64.65       |
|         |    |     |      | High    | H    | 38.20                | 3.75     | -64.63           | -64.63       |
|         |    |     |      |         | V    | 38.32                | 3.75     | -64.51           | -64.51       |
|         |    | 100 | SISO | Low     | H    | 38.25                | 3.75     | -64.58           | -64.58       |
|         |    |     |      |         | V    | 38.08                | 3.75     | -64.75           | -64.75       |
|         |    |     |      | Mid     | H    | 38.24                | 3.75     | -64.59           | -64.59       |
|         |    |     |      |         | V    | 38.07                | 3.75     | -64.76           | -64.76       |
|         |    |     |      | High    | H    | 38.02                | 3.75     | -64.81           | -64.81       |
|         |    |     |      |         | V    | 38.17                | 3.75     | -64.66           | -64.66       |
|         |    |     | MIMO | Low     | H    | 38.13                | 3.75     | -64.70           | -64.70       |
|         |    |     |      |         | V    | 38.16                | 3.75     | -64.67           | -64.67       |
|         |    |     |      | Mid     | H    | 38.11                | 3.75     | -64.72           | -64.72       |
|         |    |     |      |         | V    | 37.99                | 3.75     | -64.84           | -64.84       |
|         |    |     |      | High    | H    | 38.10                | 3.75     | -64.73           | -64.73       |
|         |    |     |      |         | V    | 38.13                | 3.75     | -64.70           | -64.70       |

26.5 GHz ~ 36.6 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 42.20                | 3.75     | -60.63           | -60.63       |
|         |    |     |      |         | V    | 42.32                | 3.75     | -60.51           | -60.51       |
|         |    |     |      | Mid     | H    | 42.12                | 3.75     | -60.71           | -60.71       |
|         |    |     |      |         | V    | 42.12                | 3.75     | -60.71           | -60.71       |
|         |    |     |      | High    | H    | 42.23                | 3.75     | -60.60           | -60.60       |
|         |    |     |      |         | V    | 42.35                | 3.75     | -60.48           | -60.48       |
|         |    |     | MIMO | Low     | H    | 42.27                | 3.75     | -60.56           | -60.56       |
|         |    |     |      |         | V    | 42.20                | 3.75     | -60.63           | -60.63       |
|         |    |     |      | Mid     | H    | 42.12                | 3.75     | -60.71           | -60.71       |
|         |    |     |      |         | V    | 42.19                | 3.75     | -60.64           | -60.64       |
|         |    |     |      | High    | H    | 42.24                | 3.75     | -60.59           | -60.59       |
|         |    |     |      |         | V    | 42.19                | 3.75     | -60.64           | -60.64       |
|         |    | 100 | SISO | Low     | H    | 42.23                | 3.75     | -60.60           | -60.60       |
|         |    |     |      |         | V    | 42.34                | 3.75     | -60.49           | -60.49       |
|         |    |     |      | Mid     | H    | 42.10                | 3.75     | -60.73           | -60.73       |
|         |    |     |      |         | V    | 42.34                | 3.75     | -60.49           | -60.49       |
|         |    |     |      | High    | H    | 42.28                | 3.75     | -60.55           | -60.55       |
|         |    |     |      |         | V    | 42.27                | 3.75     | -60.56           | -60.56       |
|         |    |     | MIMO | Low     | H    | 42.10                | 3.75     | -60.73           | -60.73       |
|         |    |     |      |         | V    | 42.20                | 3.75     | -60.63           | -60.63       |
|         |    |     |      | Mid     | H    | 42.37                | 3.75     | -60.46           | -60.46       |
|         |    |     |      |         | V    | 42.29                | 3.75     | -60.54           | -60.54       |
|         |    |     |      | High    | H    | 42.51                | 3.75     | -60.32           | -60.32       |
|         |    |     |      |         | V    | 42.37                | 3.75     | -60.46           | -60.46       |
|         | 2  | 50  | SISO | Low     | H    | 42.45                | 3.75     | -60.38           | -60.38       |
|         |    |     |      |         | V    | 42.27                | 3.75     | -60.56           | -60.56       |
|         |    |     |      | Mid     | H    | 42.27                | 3.75     | -60.56           | -60.56       |
|         |    |     |      |         | V    | 42.17                | 3.75     | -60.66           | -60.66       |
|         |    |     |      | High    | H    | 42.22                | 3.75     | -60.61           | -60.61       |
|         |    |     |      |         | V    | 42.30                | 3.75     | -60.53           | -60.53       |
|         |    |     | MIMO | Low     | H    | 42.19                | 3.75     | -60.64           | -60.64       |
|         |    |     |      |         | V    | 42.15                | 3.75     | -60.68           | -60.68       |
|         |    |     |      | Mid     | H    | 42.24                | 3.75     | -60.59           | -60.59       |
|         |    |     |      |         | V    | 42.37                | 3.75     | -60.46           | -60.46       |
|         |    |     |      | High    | H    | 42.21                | 3.75     | -60.62           | -60.62       |
|         |    |     |      |         | V    | 42.23                | 3.75     | -60.60           | -60.60       |
|         |    | 100 | SISO | Low     | H    | 42.44                | 3.75     | -60.39           | -60.39       |
|         |    |     |      |         | V    | 42.30                | 3.75     | -60.53           | -60.53       |
|         |    |     |      | Mid     | H    | 42.46                | 3.75     | -60.37           | -60.37       |
|         |    |     |      |         | V    | 42.11                | 3.75     | -60.72           | -60.72       |
|         |    |     |      | High    | H    | 42.51                | 3.75     | -60.32           | -60.32       |
|         |    |     |      |         | V    | 42.20                | 3.75     | -60.63           | -60.63       |
|         |    |     | MIMO | Low     | H    | 42.10                | 3.75     | -60.73           | -60.73       |
|         |    |     |      |         | V    | 42.41                | 3.75     | -60.42           | -60.42       |
|         |    |     |      | Mid     | H    | 42.34                | 3.75     | -60.49           | -60.49       |
|         |    |     |      |         | V    | 42.25                | 3.75     | -60.58           | -60.58       |
|         |    |     |      | High    | H    | 42.05                | 3.75     | -60.78           | -60.78       |
|         |    |     |      |         | V    | 42.35                | 3.75     | -60.48           | -60.48       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 42.19                | 3.75     | -60.64           | -60.64       |
|         |    |     |      |         | V    | 42.15                | 3.75     | -60.68           | -60.68       |
|         |    |     |      | Mid     | H    | 42.43                | 3.75     | -60.40           | -60.40       |
|         |    |     |      |         | V    | 42.14                | 3.75     | -60.69           | -60.69       |
|         |    |     |      | High    | H    | 42.09                | 3.75     | -60.74           | -60.74       |
|         |    |     |      |         | V    | 42.09                | 3.75     | -60.74           | -60.74       |
|         |    |     | MIMO | Low     | H    | 42.00                | 3.75     | -60.83           | -60.83       |
|         |    |     |      |         | V    | 42.14                | 3.75     | -60.69           | -60.69       |
|         |    |     |      | Mid     | H    | 42.19                | 3.75     | -60.64           | -60.64       |
|         |    |     |      |         | V    | 42.14                | 3.75     | -60.69           | -60.69       |
|         |    |     |      | High    | H    | 42.30                | 3.75     | -60.53           | -60.53       |
|         |    |     |      |         | V    | 42.32                | 3.75     | -60.51           | -60.51       |
|         |    | 100 | SISO | Low     | H    | 42.37                | 3.75     | -60.46           | -60.46       |
|         |    |     |      |         | V    | 42.13                | 3.75     | -60.70           | -60.70       |
|         |    |     |      | Mid     | H    | 42.32                | 3.75     | -60.51           | -60.51       |
|         |    |     |      |         | V    | 42.08                | 3.75     | -60.75           | -60.75       |
|         |    |     |      | High    | H    | 42.43                | 3.75     | -60.40           | -60.40       |
|         |    |     |      |         | V    | 42.18                | 3.75     | -60.65           | -60.65       |
|         |    |     | MIMO | Low     | H    | 42.16                | 3.75     | -60.67           | -60.67       |
|         |    |     |      |         | V    | 42.21                | 3.75     | -60.62           | -60.62       |
|         |    |     |      | Mid     | H    | 42.09                | 3.75     | -60.74           | -60.74       |
|         |    |     |      |         | V    | 42.10                | 3.75     | -60.73           | -60.73       |
|         |    |     |      | High    | H    | 42.21                | 3.75     | -60.62           | -60.62       |
|         |    |     |      |         | V    | 42.20                | 3.75     | -60.63           | -60.63       |
|         | 2  | 50  | SISO | Low     | H    | 42.32                | 3.75     | -60.51           | -60.51       |
|         |    |     |      |         | V    | 42.47                | 3.75     | -60.36           | -60.36       |
|         |    |     |      | Mid     | H    | 42.13                | 3.75     | -60.70           | -60.70       |
|         |    |     |      |         | V    | 42.39                | 3.75     | -60.44           | -60.44       |
|         |    |     |      | High    | H    | 42.39                | 3.75     | -60.44           | -60.44       |
|         |    |     |      |         | V    | 42.17                | 3.75     | -60.66           | -60.66       |
|         |    |     | MIMO | Low     | H    | 42.33                | 3.75     | -60.50           | -60.50       |
|         |    |     |      |         | V    | 42.31                | 3.75     | -60.52           | -60.52       |
|         |    |     |      | Mid     | H    | 42.18                | 3.75     | -60.65           | -60.65       |
|         |    |     |      |         | V    | 42.22                | 3.75     | -60.61           | -60.61       |
|         |    |     |      | High    | H    | 42.05                | 3.75     | -60.78           | -60.78       |
|         |    |     |      |         | V    | 42.20                | 3.75     | -60.63           | -60.63       |
|         |    | 100 | SISO | Low     | H    | 42.15                | 3.75     | -60.68           | -60.68       |
|         |    |     |      |         | V    | 42.21                | 3.75     | -60.62           | -60.62       |
|         |    |     |      | Mid     | H    | 42.19                | 3.75     | -60.64           | -60.64       |
|         |    |     |      |         | V    | 42.28                | 3.75     | -60.55           | -60.55       |
|         |    |     |      | High    | H    | 42.11                | 3.75     | -60.72           | -60.72       |
|         |    |     |      |         | V    | 42.18                | 3.75     | -60.65           | -60.65       |
|         |    |     | MIMO | Low     | H    | 42.42                | 3.75     | -60.41           | -60.41       |
|         |    |     |      |         | V    | 42.23                | 3.75     | -60.60           | -60.60       |
|         |    |     |      | Mid     | H    | 42.24                | 3.75     | -60.59           | -60.59       |
|         |    |     |      |         | V    | 42.27                | 3.75     | -60.56           | -60.56       |
|         |    |     |      | High    | H    | 42.33                | 3.75     | -60.50           | -60.50       |
|         |    |     |      |         | V    | 42.29                | 3.75     | -60.54           | -60.54       |

40 GHz ~ 60 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 61.86                | 3.75     | -40.97           | -40.97       |
|         |    |     |      |         | V    | 61.63                | 3.75     | -41.20           | -41.20       |
|         |    |     |      | Mid     | H    | 61.69                | 3.75     | -41.14           | -41.14       |
|         |    |     |      |         | V    | 61.81                | 3.75     | -41.02           | -41.02       |
|         |    |     |      | High    | H    | 61.8                 | 3.75     | -41.03           | -41.03       |
|         |    |     |      |         | V    | 61.64                | 3.75     | -41.19           | -41.19       |
|         |    |     | MIMO | Low     | H    | 61.61                | 3.75     | -41.22           | -41.22       |
|         |    |     |      |         | V    | 61.73                | 3.75     | -41.10           | -41.10       |
|         |    |     |      | Mid     | H    | 61.76                | 3.75     | -41.07           | -41.07       |
|         |    |     |      |         | V    | 61.76                | 3.75     | -41.07           | -41.07       |
|         |    |     |      | High    | H    | 61.59                | 3.75     | -41.24           | -41.24       |
|         |    |     |      |         | V    | 61.63                | 3.75     | -41.20           | -41.20       |
|         |    | 100 | SISO | Low     | H    | 61.74                | 3.75     | -41.09           | -41.09       |
|         |    |     |      |         | V    | 61.65                | 3.75     | -41.18           | -41.18       |
|         |    |     |      | Mid     | H    | 61.66                | 3.75     | -41.17           | -41.17       |
|         |    |     |      |         | V    | 61.69                | 3.75     | -41.14           | -41.14       |
|         |    |     |      | High    | H    | 61.6                 | 3.75     | -41.23           | -41.23       |
|         |    |     |      |         | V    | 61.92                | 3.75     | -40.91           | -40.91       |
|         |    |     | MIMO | Low     | H    | 61.78                | 3.75     | -41.05           | -41.05       |
|         |    |     |      |         | V    | 61.81                | 3.75     | -41.02           | -41.02       |
|         |    |     |      | Mid     | H    | 61.84                | 3.75     | -40.99           | -40.99       |
|         |    |     |      |         | V    | 61.59                | 3.75     | -41.24           | -41.24       |
|         |    |     |      | High    | H    | 61.78                | 3.75     | -41.05           | -41.05       |
|         |    |     |      |         | V    | 61.79                | 3.75     | -41.04           | -41.04       |
|         | 2  | 50  | SISO | Low     | H    | 61.50                | 3.75     | -41.33           | -41.33       |
|         |    |     |      |         | V    | 61.66                | 3.75     | -41.17           | -41.17       |
|         |    |     |      | Mid     | H    | 61.66                | 3.75     | -41.17           | -41.17       |
|         |    |     |      |         | V    | 61.58                | 3.75     | -41.25           | -41.25       |
|         |    |     |      | High    | H    | 61.54                | 3.75     | -41.29           | -41.29       |
|         |    |     |      |         | V    | 61.57                | 3.75     | -41.26           | -41.26       |
|         |    |     | MIMO | Low     | H    | 61.60                | 3.75     | -41.23           | -41.23       |
|         |    |     |      |         | V    | 61.76                | 3.75     | -41.07           | -41.07       |
|         |    |     |      | Mid     | H    | 61.83                | 3.75     | -41.00           | -41.00       |
|         |    |     |      |         | V    | 61.50                | 3.75     | -41.33           | -41.33       |
|         |    |     |      | High    | H    | 61.58                | 3.75     | -41.25           | -41.25       |
|         |    |     |      |         | V    | 61.56                | 3.75     | -41.27           | -41.27       |
|         |    | 100 | SISO | Low     | H    | 61.64                | 3.75     | -41.19           | -41.19       |
|         |    |     |      |         | V    | 61.49                | 3.75     | -41.34           | -41.34       |
|         |    |     |      | Mid     | H    | 61.78                | 3.75     | -41.05           | -41.05       |
|         |    |     |      |         | V    | 61.55                | 3.75     | -41.28           | -41.28       |
|         |    |     |      | High    | H    | 61.73                | 3.75     | -41.10           | -41.10       |
|         |    |     |      |         | V    | 61.68                | 3.75     | -41.15           | -41.15       |
|         |    |     | MIMO | Low     | H    | 61.75                | 3.75     | -41.08           | -41.08       |
|         |    |     |      |         | V    | 61.52                | 3.75     | -41.31           | -41.31       |
|         |    |     |      | Mid     | H    | 61.87                | 3.75     | -40.96           | -40.96       |
|         |    |     |      |         | V    | 61.51                | 3.75     | -41.32           | -41.32       |
|         |    |     |      | High    | H    | 61.42                | 3.75     | -41.41           | -41.41       |
|         |    |     |      |         | V    | 61.42                | 3.75     | -41.41           | -41.41       |



| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 61.58                | 3.75     | -41.25           | -41.25       |
|         |    |     |      |         | V    | 61.61                | 3.75     | -41.22           | -41.22       |
|         |    |     |      | Mid     | H    | 61.87                | 3.75     | -40.96           | -40.96       |
|         |    |     |      |         | V    | 61.84                | 3.75     | -40.99           | -40.99       |
|         |    |     |      | High    | H    | 61.66                | 3.75     | -41.17           | -41.17       |
|         |    |     |      |         | V    | 61.55                | 3.75     | -41.28           | -41.28       |
|         |    |     | MIMO | Low     | H    | 61.56                | 3.75     | -41.27           | -41.27       |
|         |    |     |      |         | V    | 61.52                | 3.75     | -41.31           | -41.31       |
|         |    |     |      | Mid     | H    | 61.65                | 3.75     | -41.18           | -41.18       |
|         |    |     |      |         | V    | 61.55                | 3.75     | -41.28           | -41.28       |
|         |    |     |      | High    | H    | 61.85                | 3.75     | -40.98           | -40.98       |
|         |    |     |      |         | V    | 61.53                | 3.75     | -41.30           | -41.30       |
|         |    | 100 | SISO | Low     | H    | 61.65                | 3.75     | -41.18           | -41.18       |
|         |    |     |      |         | V    | 61.59                | 3.75     | -41.24           | -41.24       |
|         |    |     |      | Mid     | H    | 61.58                | 3.75     | -41.25           | -41.25       |
|         |    |     |      |         | V    | 61.76                | 3.75     | -41.07           | -41.07       |
|         |    |     |      | High    | H    | 61.58                | 3.75     | -41.25           | -41.25       |
|         |    |     |      |         | V    | 61.70                | 3.75     | -41.13           | -41.13       |
|         |    |     | MIMO | Low     | H    | 61.65                | 3.75     | -41.18           | -41.18       |
|         |    |     |      |         | V    | 61.59                | 3.75     | -41.24           | -41.24       |
|         |    |     |      | Mid     | H    | 61.46                | 3.75     | -41.37           | -41.37       |
|         |    |     |      |         | V    | 61.66                | 3.75     | -41.17           | -41.17       |
|         |    |     |      | High    | H    | 61.58                | 3.75     | -41.25           | -41.25       |
|         |    |     |      |         | V    | 61.60                | 3.75     | -41.23           | -41.23       |
|         | 2  | 50  | SISO | Low     | H    | 61.55                | 3.75     | -41.28           | -41.28       |
|         |    |     |      |         | V    | 61.72                | 3.75     | -41.11           | -41.11       |
|         |    |     |      | Mid     | H    | 61.48                | 3.75     | -41.35           | -41.35       |
|         |    |     |      |         | V    | 61.82                | 3.75     | -41.01           | -41.01       |
|         |    |     |      | High    | H    | 61.77                | 3.75     | -41.06           | -41.06       |
|         |    |     |      |         | V    | 61.63                | 3.75     | -41.20           | -41.20       |
|         |    |     | MIMO | Low     | H    | 61.58                | 3.75     | -41.25           | -41.25       |
|         |    |     |      |         | V    | 61.66                | 3.75     | -41.17           | -41.17       |
|         |    |     |      | Mid     | H    | 61.57                | 3.75     | -41.26           | -41.26       |
|         |    |     |      |         | V    | 61.52                | 3.75     | -41.31           | -41.31       |
|         |    |     |      | High    | H    | 61.60                | 3.75     | -41.23           | -41.23       |
|         |    |     |      |         | V    | 61.92                | 3.75     | -40.91           | -40.91       |
|         |    | 100 | SISO | Low     | H    | 61.46                | 3.75     | -41.37           | -41.37       |
|         |    |     |      |         | V    | 61.69                | 3.75     | -41.14           | -41.14       |
|         |    |     |      | Mid     | H    | 61.66                | 3.75     | -41.17           | -41.17       |
|         |    |     |      |         | V    | 61.56                | 3.75     | -41.27           | -41.27       |
|         |    |     |      | High    | H    | 61.63                | 3.75     | -41.20           | -41.20       |
|         |    |     |      |         | V    | 61.69                | 3.75     | -41.14           | -41.14       |
|         |    |     | MIMO | Low     | H    | 61.76                | 3.75     | -41.07           | -41.07       |
|         |    |     |      |         | V    | 61.67                | 3.75     | -41.16           | -41.16       |
|         |    |     |      | Mid     | H    | 61.41                | 3.75     | -41.42           | -41.42       |
|         |    |     |      |         | V    | 61.60                | 3.75     | -41.23           | -41.23       |
|         |    |     |      | High    | H    | 61.43                | 3.75     | -41.40           | -41.40       |
|         |    |     |      |         | V    | 61.55                | 3.75     | -41.28           | -41.28       |

60 GHz ~ 90 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 59.67                | 1        | -54.64           | -54.64       |
|         |    |     |      |         | V    | 59.68                | 1        | -54.63           | -54.63       |
|         |    |     |      | Mid     | H    | 59.67                | 1        | -54.64           | -54.64       |
|         |    |     |      |         | V    | 59.65                | 1        | -54.66           | -54.66       |
|         |    |     |      | High    | H    | 59.97                | 1        | -54.34           | -54.34       |
|         |    |     |      |         | V    | 59.66                | 1        | -54.65           | -54.65       |
|         |    |     | MIMO | Low     | H    | 59.61                | 1        | -54.70           | -54.70       |
|         |    |     |      |         | V    | 60.12                | 1        | -54.19           | -54.19       |
|         |    |     |      | Mid     | H    | 59.76                | 1        | -54.55           | -54.55       |
|         |    |     |      |         | V    | 59.71                | 1        | -54.60           | -54.60       |
|         |    |     |      | High    | H    | 59.95                | 1        | -54.36           | -54.36       |
|         |    |     |      |         | V    | 59.79                | 1        | -54.52           | -54.52       |
|         |    | 100 | SISO | Low     | H    | 59.71                | 1        | -54.60           | -54.60       |
|         |    |     |      |         | V    | 59.72                | 1        | -54.59           | -54.59       |
|         |    |     |      | Mid     | H    | 59.76                | 1        | -54.55           | -54.55       |
|         |    |     |      |         | V    | 59.69                | 1        | -54.62           | -54.62       |
|         |    |     |      | High    | H    | 59.68                | 1        | -54.63           | -54.63       |
|         |    |     |      |         | V    | 59.87                | 1        | -54.44           | -54.44       |
|         |    |     | MIMO | Low     | H    | 59.85                | 1        | -54.46           | -54.46       |
|         |    |     |      |         | V    | 59.70                | 1        | -54.61           | -54.61       |
|         |    |     |      | Mid     | H    | 59.80                | 1        | -54.51           | -54.51       |
|         |    |     |      |         | V    | 60.01                | 1        | -54.30           | -54.30       |
|         |    |     |      | High    | H    | 59.95                | 1        | -54.36           | -54.36       |
|         |    |     |      |         | V    | 59.82                | 1        | -54.49           | -54.49       |
|         | 2  | 50  | SISO | Low     | H    | 59.67                | 1        | -54.64           | -54.64       |
|         |    |     |      |         | V    | 59.79                | 1        | -54.52           | -54.52       |
|         |    |     |      | Mid     | H    | 59.77                | 1        | -54.54           | -54.54       |
|         |    |     |      |         | V    | 59.94                | 1        | -54.37           | -54.37       |
|         |    |     |      | High    | H    | 59.76                | 1        | -54.55           | -54.55       |
|         |    |     |      |         | V    | 59.77                | 1        | -54.54           | -54.54       |
|         |    |     | MIMO | Low     | H    | 59.80                | 1        | -54.51           | -54.51       |
|         |    |     |      |         | V    | 59.84                | 1        | -54.47           | -54.47       |
|         |    |     |      | Mid     | H    | 59.73                | 1        | -54.58           | -54.58       |
|         |    |     |      |         | V    | 59.91                | 1        | -54.40           | -54.40       |
|         |    |     |      | High    | H    | 60.08                | 1        | -54.23           | -54.23       |
|         |    |     |      |         | V    | 60.22                | 1        | -54.09           | -54.09       |
|         |    | 100 | SISO | Low     | H    | 59.78                | 1        | -54.53           | -54.53       |
|         |    |     |      |         | V    | 59.65                | 1        | -54.66           | -54.66       |
|         |    |     |      | Mid     | H    | 59.92                | 1        | -54.39           | -54.39       |
|         |    |     |      |         | V    | 59.75                | 1        | -54.56           | -54.56       |
|         |    |     |      | High    | H    | 59.89                | 1        | -54.42           | -54.42       |
|         |    |     |      |         | V    | 59.78                | 1        | -54.53           | -54.53       |
|         |    |     | MIMO | Low     | H    | 59.80                | 1        | -54.51           | -54.51       |
|         |    |     |      |         | V    | 59.74                | 1        | -54.57           | -54.57       |
|         |    |     |      | Mid     | H    | 59.75                | 1        | -54.56           | -54.56       |
|         |    |     |      |         | V    | 60.07                | 1        | -54.24           | -54.24       |
|         |    |     |      | High    | H    | 59.74                | 1        | -54.57           | -54.57       |
|         |    |     |      |         | V    | 60.05                | 1        | -54.26           | -54.26       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 59.90                | 1        | -54.41           | -54.41       |
|         |    |     |      |         | V    | 59.81                | 1        | -54.50           | -54.50       |
|         |    |     |      | Mid     | H    | 59.78                | 1        | -54.53           | -54.53       |
|         |    |     |      |         | V    | 59.68                | 1        | -54.63           | -54.63       |
|         |    |     |      | High    | H    | 59.78                | 1        | -54.53           | -54.53       |
|         |    |     |      |         | V    | 59.81                | 1        | -54.50           | -54.50       |
|         |    |     | MIMO | Low     | H    | 59.88                | 1        | -54.43           | -54.43       |
|         |    |     |      |         | V    | 59.88                | 1        | -54.43           | -54.43       |
|         |    |     |      | Mid     | H    | 59.93                | 1        | -54.38           | -54.38       |
|         |    |     |      |         | V    | 59.93                | 1        | -54.38           | -54.38       |
|         |    |     |      | High    | H    | 59.94                | 1        | -54.37           | -54.37       |
|         |    |     |      |         | V    | 59.72                | 1        | -54.59           | -54.59       |
|         |    | 100 | SISO | Low     | H    | 59.83                | 1        | -54.48           | -54.48       |
|         |    |     |      |         | V    | 59.83                | 1        | -54.48           | -54.48       |
|         |    |     |      | Mid     | H    | 59.82                | 1        | -54.49           | -54.49       |
|         |    |     |      |         | V    | 59.73                | 1        | -54.58           | -54.58       |
|         |    |     |      | High    | H    | 59.74                | 1        | -54.57           | -54.57       |
|         |    |     |      |         | V    | 59.86                | 1        | -54.45           | -54.45       |
|         |    |     | MIMO | Low     | H    | 59.71                | 1        | -54.60           | -54.60       |
|         |    |     |      |         | V    | 59.99                | 1        | -54.32           | -54.32       |
|         |    |     |      | Mid     | H    | 59.83                | 1        | -54.48           | -54.48       |
|         |    |     |      |         | V    | 59.80                | 1        | -54.51           | -54.51       |
|         |    |     |      | High    | H    | 59.67                | 1        | -54.64           | -54.64       |
|         |    |     |      |         | V    | 59.86                | 1        | -54.45           | -54.45       |
|         | 2  | 50  | SISO | Low     | H    | 59.71                | 1        | -54.60           | -54.60       |
|         |    |     |      |         | V    | 59.91                | 1        | -54.40           | -54.40       |
|         |    |     |      | Mid     | H    | 59.80                | 1        | -54.51           | -54.51       |
|         |    |     |      |         | V    | 59.68                | 1        | -54.63           | -54.63       |
|         |    |     |      | High    | H    | 59.88                | 1        | -54.43           | -54.43       |
|         |    |     |      |         | V    | 59.88                | 1        | -54.43           | -54.43       |
|         |    |     | MIMO | Low     | H    | 59.84                | 1        | -54.47           | -54.47       |
|         |    |     |      |         | V    | 59.69                | 1        | -54.62           | -54.62       |
|         |    |     |      | Mid     | H    | 59.66                | 1        | -54.65           | -54.65       |
|         |    |     |      |         | V    | 59.88                | 1        | -54.43           | -54.43       |
|         |    |     |      | High    | H    | 59.99                | 1        | -54.32           | -54.32       |
|         |    |     |      |         | V    | 59.97                | 1        | -54.34           | -54.34       |
|         |    | 100 | SISO | Low     | H    | 59.75                | 1        | -54.56           | -54.56       |
|         |    |     |      |         | V    | 59.75                | 1        | -54.56           | -54.56       |
|         |    |     |      | Mid     | H    | 59.81                | 1        | -54.50           | -54.50       |
|         |    |     |      |         | V    | 59.93                | 1        | -54.38           | -54.38       |
|         |    |     |      | High    | H    | 59.91                | 1        | -54.40           | -54.40       |
|         |    |     |      |         | V    | 60.05                | 1        | -54.26           | -54.26       |
|         |    |     | MIMO | Low     | H    | 59.79                | 1        | -54.52           | -54.52       |
|         |    |     |      |         | V    | 59.84                | 1        | -54.47           | -54.47       |
|         |    |     |      | Mid     | H    | 59.87                | 1        | -54.44           | -54.44       |
|         |    |     |      |         | V    | 59.73                | 1        | -54.58           | -54.58       |
|         |    |     |      | High    | H    | 59.87                | 1        | -54.44           | -54.44       |
|         |    |     |      |         | V    | 59.81                | 1        | -54.50           | -54.50       |

90 GHz ~ 140 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 85.55                | 1        | -28.76           | -28.76       |
|         |    |     |      |         | V    | 85.63                | 1        | -28.68           | -28.68       |
|         |    |     |      | Mid     | H    | 85.67                | 1        | -28.64           | -28.64       |
|         |    |     |      |         | V    | 85.53                | 1        | -28.78           | -28.78       |
|         |    |     |      | High    | H    | 85.59                | 1        | -28.72           | -28.72       |
|         |    |     |      |         | V    | 85.63                | 1        | -28.68           | -28.68       |
|         |    |     | MIMO | Low     | H    | 85.50                | 1        | -28.81           | -28.81       |
|         |    |     |      |         | V    | 85.55                | 1        | -28.76           | -28.76       |
|         |    |     |      | Mid     | H    | 85.62                | 1        | -28.69           | -28.69       |
|         |    |     |      |         | V    | 85.59                | 1        | -28.72           | -28.72       |
|         |    |     |      | High    | H    | 85.48                | 1        | -28.83           | -28.83       |
|         |    |     |      |         | V    | 85.59                | 1        | -28.72           | -28.72       |
|         |    | 100 | SISO | Low     | H    | 85.54                | 1        | -28.77           | -28.77       |
|         |    |     |      |         | V    | 85.51                | 1        | -28.80           | -28.80       |
|         |    |     |      | Mid     | H    | 85.43                | 1        | -28.88           | -28.88       |
|         |    |     |      |         | V    | 85.62                | 1        | -28.69           | -28.69       |
|         |    |     |      | High    | H    | 85.53                | 1        | -28.78           | -28.78       |
|         |    |     |      |         | V    | 85.47                | 1        | -28.84           | -28.84       |
|         |    |     | MIMO | Low     | H    | 85.75                | 1        | -28.56           | -28.56       |
|         |    |     |      |         | V    | 85.73                | 1        | -28.58           | -28.58       |
|         |    |     |      | Mid     | H    | 85.40                | 1        | -28.91           | -28.91       |
|         |    |     |      |         | V    | 85.57                | 1        | -28.74           | -28.74       |
|         |    |     |      | High    | H    | 85.59                | 1        | -28.72           | -28.72       |
|         |    |     |      |         | V    | 85.59                | 1        | -28.72           | -28.72       |
|         | 2  | 50  | SISO | Low     | H    | 85.51                | 1        | -28.80           | -28.80       |
|         |    |     |      |         | V    | 85.53                | 1        | -28.78           | -28.78       |
|         |    |     |      | Mid     | H    | 85.58                | 1        | -28.73           | -28.73       |
|         |    |     |      |         | V    | 85.58                | 1        | -28.73           | -28.73       |
|         |    |     |      | High    | H    | 85.46                | 1        | -28.85           | -28.85       |
|         |    |     |      |         | V    | 85.57                | 1        | -28.74           | -28.74       |
|         |    |     | MIMO | Low     | H    | 85.43                | 1        | -28.88           | -28.88       |
|         |    |     |      |         | V    | 85.49                | 1        | -28.82           | -28.82       |
|         |    |     |      | Mid     | H    | 85.56                | 1        | -28.75           | -28.75       |
|         |    |     |      |         | V    | 85.50                | 1        | -28.81           | -28.81       |
|         |    |     |      | High    | H    | 85.55                | 1        | -28.76           | -28.76       |
|         |    |     |      |         | V    | 85.73                | 1        | -28.58           | -28.58       |
|         |    | 100 | SISO | Low     | H    | 85.64                | 1        | -28.67           | -28.67       |
|         |    |     |      |         | V    | 85.53                | 1        | -28.78           | -28.78       |
|         |    |     |      | Mid     | H    | 85.55                | 1        | -28.76           | -28.76       |
|         |    |     |      |         | V    | 85.54                | 1        | -28.77           | -28.77       |
|         |    |     |      | High    | H    | 85.46                | 1        | -28.85           | -28.85       |
|         |    |     |      |         | V    | 85.52                | 1        | -28.79           | -28.79       |
|         |    |     | MIMO | Low     | H    | 85.56                | 1        | -28.75           | -28.75       |
|         |    |     |      |         | V    | 85.58                | 1        | -28.73           | -28.73       |
|         |    |     |      | Mid     | H    | 85.44                | 1        | -28.87           | -28.87       |
|         |    |     |      |         | V    | 85.53                | 1        | -28.78           | -28.78       |
|         |    |     |      | High    | H    | 85.42                | 1        | -28.89           | -28.89       |
|         |    |     |      |         | V    | 85.52                | 1        | -28.79           | -28.79       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 85.60                | 1        | -28.71           | -28.71       |
|         |    |     |      |         | V    | 85.44                | 1        | -28.87           | -28.87       |
|         |    |     |      | Mid     | H    | 85.40                | 1        | -28.91           | -28.91       |
|         |    |     |      |         | V    | 85.62                | 1        | -28.69           | -28.69       |
|         |    |     |      | High    | H    | 85.52                | 1        | -28.79           | -28.79       |
|         |    |     |      |         | V    | 85.61                | 1        | -28.70           | -28.70       |
|         |    |     | MIMO | Low     | H    | 85.47                | 1        | -28.84           | -28.84       |
|         |    |     |      |         | V    | 85.58                | 1        | -28.73           | -28.73       |
|         |    |     |      | Mid     | H    | 85.71                | 1        | -28.60           | -28.60       |
|         |    |     |      |         | V    | 85.51                | 1        | -28.80           | -28.80       |
|         |    |     |      | High    | H    | 85.71                | 1        | -28.60           | -28.60       |
|         |    |     |      |         | V    | 85.53                | 1        | -28.78           | -28.78       |
|         |    | 100 | SISO | Low     | H    | 85.60                | 1        | -28.71           | -28.71       |
|         |    |     |      |         | V    | 85.53                | 1        | -28.78           | -28.78       |
|         |    |     |      | Mid     | H    | 85.51                | 1        | -28.80           | -28.80       |
|         |    |     |      |         | V    | 85.52                | 1        | -28.79           | -28.79       |
|         |    |     |      | High    | H    | 85.53                | 1        | -28.78           | -28.78       |
|         |    |     |      |         | V    | 85.48                | 1        | -28.83           | -28.83       |
|         |    |     | MIMO | Low     | H    | 85.56                | 1        | -28.75           | -28.75       |
|         |    |     |      |         | V    | 85.41                | 1        | -28.90           | -28.90       |
|         |    |     |      | Mid     | H    | 85.55                | 1        | -28.76           | -28.76       |
|         |    |     |      |         | V    | 85.60                | 1        | -28.71           | -28.71       |
|         |    |     |      | High    | H    | 85.61                | 1        | -28.70           | -28.70       |
|         |    |     |      |         | V    | 85.55                | 1        | -28.76           | -28.76       |
|         | 2  | 50  | SISO | Low     | H    | 85.62                | 1        | -28.69           | -28.69       |
|         |    |     |      |         | V    | 85.52                | 1        | -28.79           | -28.79       |
|         |    |     |      | Mid     | H    | 85.56                | 1        | -28.75           | -28.75       |
|         |    |     |      |         | V    | 85.49                | 1        | -28.82           | -28.82       |
|         |    |     |      | High    | H    | 85.44                | 1        | -28.87           | -28.87       |
|         |    |     |      |         | V    | 85.55                | 1        | -28.76           | -28.76       |
|         |    |     | MIMO | Low     | H    | 85.67                | 1        | -28.64           | -28.64       |
|         |    |     |      |         | V    | 85.55                | 1        | -28.76           | -28.76       |
|         |    |     |      | Mid     | H    | 85.63                | 1        | -28.68           | -28.68       |
|         |    |     |      |         | V    | 85.61                | 1        | -28.70           | -28.70       |
|         |    |     |      | High    | H    | 85.67                | 1        | -28.64           | -28.64       |
|         |    |     |      |         | V    | 85.50                | 1        | -28.81           | -28.81       |
|         |    | 100 | SISO | Low     | H    | 85.57                | 1        | -28.74           | -28.74       |
|         |    |     |      |         | V    | 85.55                | 1        | -28.76           | -28.76       |
|         |    |     |      | Mid     | H    | 85.53                | 1        | -28.78           | -28.78       |
|         |    |     |      |         | V    | 85.62                | 1        | -28.69           | -28.69       |
|         |    |     |      | High    | H    | 85.47                | 1        | -28.84           | -28.84       |
|         |    |     |      |         | V    | 85.71                | 1        | -28.60           | -28.60       |
|         |    |     | MIMO | Low     | H    | 85.54                | 1        | -28.77           | -28.77       |
|         |    |     |      |         | V    | 85.67                | 1        | -28.64           | -28.64       |
|         |    |     |      | Mid     | H    | 85.81                | 1        | -28.50           | -28.50       |
|         |    |     |      |         | V    | 85.63                | 1        | -28.68           | -28.68       |
|         |    |     |      | High    | H    | 85.57                | 1        | -28.74           | -28.74       |
|         |    |     |      |         | V    | 85.50                | 1        | -28.81           | -28.81       |



140 GHz ~ 170 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 100.03               | 0.5      | -20.30           | -20.30       |
|         |    |     |      |         | V    | 100.22               | 0.5      | -20.11           | -20.11       |
|         |    |     |      | Mid     | H    | 100.12               | 0.5      | -20.21           | -20.21       |
|         |    |     |      |         | V    | 100.19               | 0.5      | -20.14           | -20.14       |
|         |    |     |      | High    | H    | 100.09               | 0.5      | -20.24           | -20.24       |
|         |    |     |      |         | V    | 100.04               | 0.5      | -20.29           | -20.29       |
|         |    |     | MIMO | Low     | H    | 100.22               | 0.5      | -20.11           | -20.11       |
|         |    |     |      |         | V    | 100.10               | 0.5      | -20.23           | -20.23       |
|         |    |     |      | Mid     | H    | 100.20               | 0.5      | -20.13           | -20.13       |
|         |    |     |      |         | V    | 100.11               | 0.5      | -20.22           | -20.22       |
|         |    |     |      | High    | H    | 100.21               | 0.5      | -20.12           | -20.12       |
|         |    |     |      |         | V    | 100.09               | 0.5      | -20.24           | -20.24       |
|         |    | 100 | SISO | Low     | H    | 100.24               | 0.5      | -20.09           | -20.09       |
|         |    |     |      |         | V    | 100.13               | 0.5      | -20.20           | -20.20       |
|         |    |     |      | Mid     | H    | 100.17               | 0.5      | -20.16           | -20.16       |
|         |    |     |      |         | V    | 100.16               | 0.5      | -20.17           | -20.17       |
|         |    |     |      | High    | H    | 100.06               | 0.5      | -20.27           | -20.27       |
|         |    |     |      |         | V    | 100.30               | 0.5      | -20.03           | -20.03       |
|         |    |     | MIMO | Low     | H    | 100.03               | 0.5      | -20.30           | -20.30       |
|         |    |     |      |         | V    | 100.09               | 0.5      | -20.24           | -20.24       |
|         |    |     |      | Mid     | H    | 100.16               | 0.5      | -20.17           | -20.17       |
|         |    |     |      |         | V    | 100.09               | 0.5      | -20.24           | -20.24       |
|         |    |     |      | High    | H    | 100.39               | 0.5      | -19.94           | -19.94       |
|         |    |     |      |         | V    | 100.22               | 0.5      | -20.11           | -20.11       |
|         | 2  | 50  | SISO | Low     | H    | 100.19               | 0.5      | -20.14           | -20.14       |
|         |    |     |      |         | V    | 100.12               | 0.5      | -20.21           | -20.21       |
|         |    |     |      | Mid     | H    | 100.01               | 0.5      | -20.32           | -20.32       |
|         |    |     |      |         | V    | 100.05               | 0.5      | -20.28           | -20.28       |
|         |    |     |      | High    | H    | 99.92                | 0.5      | -20.41           | -20.41       |
|         |    |     |      |         | V    | 100.22               | 0.5      | -20.11           | -20.11       |
|         |    |     | MIMO | Low     | H    | 100.26               | 0.5      | -20.07           | -20.07       |
|         |    |     |      |         | V    | 100.15               | 0.5      | -20.18           | -20.18       |
|         |    |     |      | Mid     | H    | 100.10               | 0.5      | -20.23           | -20.23       |
|         |    |     |      |         | V    | 100.14               | 0.5      | -20.19           | -20.19       |
|         |    |     |      | High    | H    | 100.04               | 0.5      | -20.29           | -20.29       |
|         |    |     |      |         | V    | 100.35               | 0.5      | -19.98           | -19.98       |
|         |    | 100 | SISO | Low     | H    | 100.09               | 0.5      | -20.24           | -20.24       |
|         |    |     |      |         | V    | 100.15               | 0.5      | -20.18           | -20.18       |
|         |    |     |      | Mid     | H    | 100.13               | 0.5      | -20.20           | -20.20       |
|         |    |     |      |         | V    | 100.23               | 0.5      | -20.10           | -20.10       |
|         |    |     |      | High    | H    | 100.14               | 0.5      | -20.19           | -20.19       |
|         |    |     |      |         | V    | 100.39               | 0.5      | -19.94           | -19.94       |
|         |    |     | MIMO | Low     | H    | 100.20               | 0.5      | -20.13           | -20.13       |
|         |    |     |      |         | V    | 100.14               | 0.5      | -20.19           | -20.19       |
|         |    |     |      | Mid     | H    | 100.14               | 0.5      | -20.19           | -20.19       |
|         |    |     |      |         | V    | 100.03               | 0.5      | -20.30           | -20.30       |
|         |    |     |      | High    | H    | 100.13               | 0.5      | -20.20           | -20.20       |
|         |    |     |      |         | V    | 100.06               | 0.5      | -20.27           | -20.27       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 100.16               | 0.5      | -20.17           | -20.17       |
|         |    |     |      |         | V    | 100.37               | 0.5      | -19.96           | -19.96       |
|         |    |     |      | Mid     | H    | 100.07               | 0.5      | -20.26           | -20.26       |
|         |    |     |      |         | V    | 100.00               | 0.5      | -20.33           | -20.33       |
|         |    |     |      | High    | H    | 100.13               | 0.5      | -20.20           | -20.20       |
|         |    |     |      |         | V    | 100.00               | 0.5      | -20.33           | -20.33       |
|         |    |     | MIMO | Low     | H    | 100.07               | 0.5      | -20.26           | -20.26       |
|         |    |     |      |         | V    | 100.14               | 0.5      | -20.19           | -20.19       |
|         |    |     |      | Mid     | H    | 100.06               | 0.5      | -20.27           | -20.27       |
|         |    |     |      |         | V    | 100.21               | 0.5      | -20.12           | -20.12       |
|         |    |     |      | High    | H    | 100.08               | 0.5      | -20.25           | -20.25       |
|         |    |     |      |         | V    | 100.15               | 0.5      | -20.18           | -20.18       |
|         |    | 100 | SISO | Low     | H    | 100.08               | 0.5      | -20.25           | -20.25       |
|         |    |     |      |         | V    | 100.17               | 0.5      | -20.16           | -20.16       |
|         |    |     |      | Mid     | H    | 100.46               | 0.5      | -19.87           | -19.87       |
|         |    |     |      |         | V    | 100.21               | 0.5      | -20.12           | -20.12       |
|         |    |     |      | High    | H    | 100.14               | 0.5      | -20.19           | -20.19       |
|         |    |     |      |         | V    | 100.25               | 0.5      | -20.08           | -20.08       |
|         |    |     | MIMO | Low     | H    | 100.12               | 0.5      | -20.21           | -20.21       |
|         |    |     |      |         | V    | 100.21               | 0.5      | -20.12           | -20.12       |
|         |    |     |      | Mid     | H    | 100.15               | 0.5      | -20.18           | -20.18       |
|         |    |     |      |         | V    | 99.97                | 0.5      | -20.36           | -20.36       |
|         |    |     |      | High    | H    | 100.12               | 0.5      | -20.21           | -20.21       |
|         |    |     |      |         | V    | 100.23               | 0.5      | -20.10           | -20.10       |
|         | 2  | 50  | SISO | Low     | H    | 100.20               | 0.5      | -20.13           | -20.13       |
|         |    |     |      |         | V    | 100.26               | 0.5      | -20.07           | -20.07       |
|         |    |     |      | Mid     | H    | 100.18               | 0.5      | -20.15           | -20.15       |
|         |    |     |      |         | V    | 100.03               | 0.5      | -20.30           | -20.30       |
|         |    |     |      | High    | H    | 100.10               | 0.5      | -20.23           | -20.23       |
|         |    |     |      |         | V    | 100.29               | 0.5      | -20.04           | -20.04       |
|         |    |     | MIMO | Low     | H    | 100.17               | 0.5      | -20.16           | -20.16       |
|         |    |     |      |         | V    | 99.99                | 0.5      | -20.34           | -20.34       |
|         |    |     |      | Mid     | H    | 100.19               | 0.5      | -20.14           | -20.14       |
|         |    |     |      |         | V    | 100.12               | 0.5      | -20.21           | -20.21       |
|         |    |     |      | High    | H    | 100.34               | 0.5      | -19.99           | -19.99       |
|         |    |     |      |         | V    | 100.15               | 0.5      | -20.18           | -20.18       |
|         |    | 100 | SISO | Low     | H    | 100.35               | 0.5      | -19.98           | -19.98       |
|         |    |     |      |         | V    | 100.33               | 0.5      | -20.00           | -20.00       |
|         |    |     |      | Mid     | H    | 100.02               | 0.5      | -20.31           | -20.31       |
|         |    |     |      |         | V    | 100.29               | 0.5      | -20.04           | -20.04       |
|         |    |     |      | High    | H    | 100.15               | 0.5      | -20.18           | -20.18       |
|         |    |     |      |         | V    | 100.22               | 0.5      | -20.11           | -20.11       |
|         |    |     | MIMO | Low     | H    | 100.13               | 0.5      | -20.20           | -20.20       |
|         |    |     |      |         | V    | 100.14               | 0.5      | -20.19           | -20.19       |
|         |    |     |      | Mid     | H    | 100.09               | 0.5      | -20.24           | -20.24       |
|         |    |     |      |         | V    | 100.36               | 0.5      | -19.97           | -19.97       |
|         |    |     |      | High    | H    | 100.16               | 0.5      | -20.17           | -20.17       |
|         |    |     |      |         | V    | 100.22               | 0.5      | -20.11           | -20.11       |

170 GHz ~ 200 GHz

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 0       | 1  | 50  | SISO | Low     | H    | 80.98                | 0.5      | -39.35           | -39.35       |
|         |    |     |      |         | V    | 81.10                | 0.5      | -39.23           | -39.23       |
|         |    |     |      | Mid     | H    | 81.05                | 0.5      | -39.28           | -39.28       |
|         |    |     |      |         | V    | 80.91                | 0.5      | -39.42           | -39.42       |
|         |    |     |      | High    | H    | 81.13                | 0.5      | -39.20           | -39.20       |
|         |    |     |      |         | V    | 80.96                | 0.5      | -39.37           | -39.37       |
|         |    |     | MIMO | Low     | H    | 81.02                | 0.5      | -39.31           | -39.31       |
|         |    |     |      |         | V    | 80.86                | 0.5      | -39.47           | -39.47       |
|         |    |     |      | Mid     | H    | 80.90                | 0.5      | -39.43           | -39.43       |
|         |    |     |      |         | V    | 80.93                | 0.5      | -39.40           | -39.40       |
|         |    |     |      | High    | H    | 80.91                | 0.5      | -39.42           | -39.42       |
|         |    |     |      |         | V    | 81.09                | 0.5      | -39.24           | -39.24       |
|         |    | 100 | SISO | Low     | H    | 81.09                | 0.5      | -39.24           | -39.24       |
|         |    |     |      |         | V    | 80.84                | 0.5      | -39.49           | -39.49       |
|         |    |     |      | Mid     | H    | 80.82                | 0.5      | -39.51           | -39.51       |
|         |    |     |      |         | V    | 81.30                | 0.5      | -39.03           | -39.03       |
|         |    |     |      | High    | H    | 81.08                | 0.5      | -39.25           | -39.25       |
|         |    |     |      |         | V    | 81.00                | 0.5      | -39.33           | -39.33       |
|         |    |     | MIMO | Low     | H    | 80.96                | 0.5      | -39.37           | -39.37       |
|         |    |     |      |         | V    | 80.95                | 0.5      | -39.38           | -39.38       |
|         |    |     |      | Mid     | H    | 81.06                | 0.5      | -39.27           | -39.27       |
|         |    |     |      |         | V    | 80.93                | 0.5      | -39.40           | -39.40       |
|         |    |     |      | High    | H    | 80.83                | 0.5      | -39.50           | -39.50       |
|         |    |     |      |         | V    | 80.88                | 0.5      | -39.45           | -39.45       |
|         | 2  | 50  | SISO | Low     | H    | 81.05                | 0.5      | -39.28           | -39.28       |
|         |    |     |      |         | V    | 81.16                | 0.5      | -39.17           | -39.17       |
|         |    |     |      | Mid     | H    | 80.99                | 0.5      | -39.34           | -39.34       |
|         |    |     |      |         | V    | 81.14                | 0.5      | -39.19           | -39.19       |
|         |    |     |      | High    | H    | 80.93                | 0.5      | -39.40           | -39.40       |
|         |    |     |      |         | V    | 81.19                | 0.5      | -39.14           | -39.14       |
|         |    |     | MIMO | Low     | H    | 81.00                | 0.5      | -39.33           | -39.33       |
|         |    |     |      |         | V    | 80.94                | 0.5      | -39.39           | -39.39       |
|         |    |     |      | Mid     | H    | 81.13                | 0.5      | -39.20           | -39.20       |
|         |    |     |      |         | V    | 81.01                | 0.5      | -39.32           | -39.32       |
|         |    |     |      | High    | H    | 81.12                | 0.5      | -39.21           | -39.21       |
|         |    |     |      |         | V    | 80.86                | 0.5      | -39.47           | -39.47       |
|         |    | 100 | SISO | Low     | H    | 80.92                | 0.5      | -39.41           | -39.41       |
|         |    |     |      |         | V    | 80.93                | 0.5      | -39.40           | -39.40       |
|         |    |     |      | Mid     | H    | 81.01                | 0.5      | -39.32           | -39.32       |
|         |    |     |      |         | V    | 80.85                | 0.5      | -39.48           | -39.48       |
|         |    |     |      | High    | H    | 81.01                | 0.5      | -39.32           | -39.32       |
|         |    |     |      |         | V    | 81.21                | 0.5      | -39.12           | -39.12       |
|         |    |     | MIMO | Low     | H    | 80.93                | 0.5      | -39.40           | -39.40       |
|         |    |     |      |         | V    | 80.80                | 0.5      | -39.53           | -39.53       |
|         |    |     |      | Mid     | H    | 80.81                | 0.5      | -39.52           | -39.52       |
|         |    |     |      |         | V    | 81.05                | 0.5      | -39.28           | -39.28       |
|         |    |     |      | High    | H    | 81.04                | 0.5      | -39.29           | -39.29       |
|         |    |     |      |         | V    | 81.06                | 0.5      | -39.27           | -39.27       |

| Antenna | CC | BW  | mode | Channel | Pol. | Measured Value(dBuV) | Distance | Conversion Value | Result (dBm) |
|---------|----|-----|------|---------|------|----------------------|----------|------------------|--------------|
| 1       | 1  | 50  | SISO | Low     | H    | 81.15                | 0.5      | -39.18           | -39.18       |
|         |    |     |      |         | V    | 80.98                | 0.5      | -39.35           | -39.35       |
|         |    |     |      | Mid     | H    | 81.01                | 0.5      | -39.32           | -39.32       |
|         |    |     |      |         | V    | 81.16                | 0.5      | -39.17           | -39.17       |
|         |    |     |      | High    | H    | 81.01                | 0.5      | -39.32           | -39.32       |
|         |    |     |      |         | V    | 80.87                | 0.5      | -39.46           | -39.46       |
|         |    |     | MIMO | Low     | H    | 81.13                | 0.5      | -39.20           | -39.20       |
|         |    |     |      |         | V    | 80.93                | 0.5      | -39.40           | -39.40       |
|         |    |     |      | Mid     | H    | 81.02                | 0.5      | -39.31           | -39.31       |
|         |    |     |      |         | V    | 81.12                | 0.5      | -39.21           | -39.21       |
|         |    |     |      | High    | H    | 81.33                | 0.5      | -39.00           | -39.00       |
|         |    |     |      |         | V    | 80.95                | 0.5      | -39.38           | -39.38       |
|         |    | 100 | SISO | Low     | H    | 81.04                | 0.5      | -39.29           | -39.29       |
|         |    |     |      |         | V    | 81.02                | 0.5      | -39.31           | -39.31       |
|         |    |     |      | Mid     | H    | 80.93                | 0.5      | -39.40           | -39.40       |
|         |    |     |      |         | V    | 80.90                | 0.5      | -39.43           | -39.43       |
|         |    |     |      | High    | H    | 80.89                | 0.5      | -39.44           | -39.44       |
|         |    |     |      |         | V    | 81.21                | 0.5      | -39.12           | -39.12       |
|         |    |     | MIMO | Low     | H    | 81.11                | 0.5      | -39.22           | -39.22       |
|         |    |     |      |         | V    | 81.04                | 0.5      | -39.29           | -39.29       |
|         |    |     |      | Mid     | H    | 81.28                | 0.5      | -39.05           | -39.05       |
|         |    |     |      |         | V    | 81.02                | 0.5      | -39.31           | -39.31       |
|         |    |     |      | High    | H    | 81.02                | 0.5      | -39.31           | -39.31       |
|         |    |     |      |         | V    | 81.13                | 0.5      | -39.20           | -39.20       |
|         | 2  | 50  | SISO | Low     | H    | 80.99                | 0.5      | -39.34           | -39.34       |
|         |    |     |      |         | V    | 81.08                | 0.5      | -39.25           | -39.25       |
|         |    |     |      | Mid     | H    | 80.99                | 0.5      | -39.34           | -39.34       |
|         |    |     |      |         | V    | 80.98                | 0.5      | -39.35           | -39.35       |
|         |    |     |      | High    | H    | 81.05                | 0.5      | -39.28           | -39.28       |
|         |    |     |      |         | V    | 81.12                | 0.5      | -39.21           | -39.21       |
|         |    |     | MIMO | Low     | H    | 81.04                | 0.5      | -39.29           | -39.29       |
|         |    |     |      |         | V    | 81.15                | 0.5      | -39.18           | -39.18       |
|         |    |     |      | Mid     | H    | 81.27                | 0.5      | -39.06           | -39.06       |
|         |    |     |      |         | V    | 81.16                | 0.5      | -39.17           | -39.17       |
|         |    |     |      | High    | H    | 81.29                | 0.5      | -39.04           | -39.04       |
|         |    |     |      |         | V    | 81.28                | 0.5      | -39.05           | -39.05       |
|         |    | 100 | SISO | Low     | H    | 81.17                | 0.5      | -39.16           | -39.16       |
|         |    |     |      |         | V    | 81.15                | 0.5      | -39.18           | -39.18       |
|         |    |     |      | Mid     | H    | 81.17                | 0.5      | -39.16           | -39.16       |
|         |    |     |      |         | V    | 81.35                | 0.5      | -38.98           | -38.98       |
|         |    |     |      | High    | H    | 81.19                | 0.5      | -39.14           | -39.14       |
|         |    |     |      |         | V    | 81.48                | 0.5      | -38.85           | -38.85       |
|         |    |     | MIMO | Low     | H    | 81.40                | 0.5      | -38.93           | -38.93       |
|         |    |     |      |         | V    | 81.01                | 0.5      | -39.32           | -39.32       |
|         |    |     |      | Mid     | H    | 81.12                | 0.5      | -39.21           | -39.21       |
|         |    |     |      |         | V    | 81.18                | 0.5      | -39.15           | -39.15       |
|         |    |     |      | High    | H    | 81.01                | 0.5      | -39.32           | -39.32       |
|         |    |     |      |         | V    | 80.96                | 0.5      | -39.37           | -39.37       |

Plot data of Radiated Spurious Emissions











