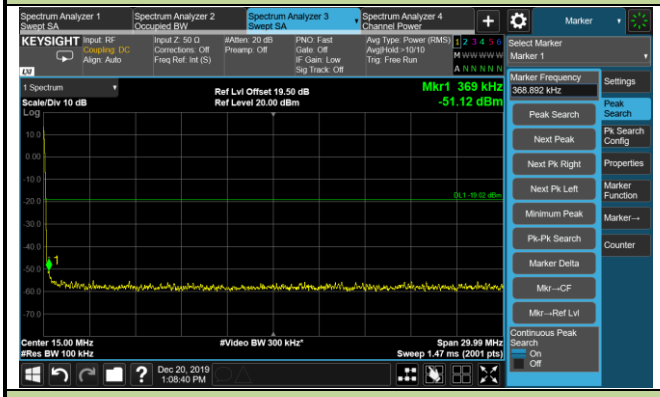
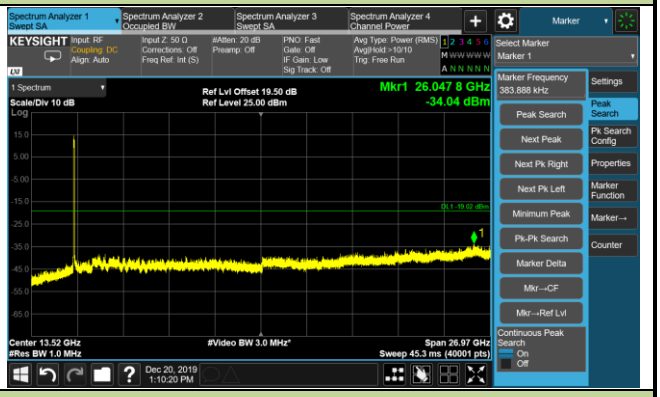
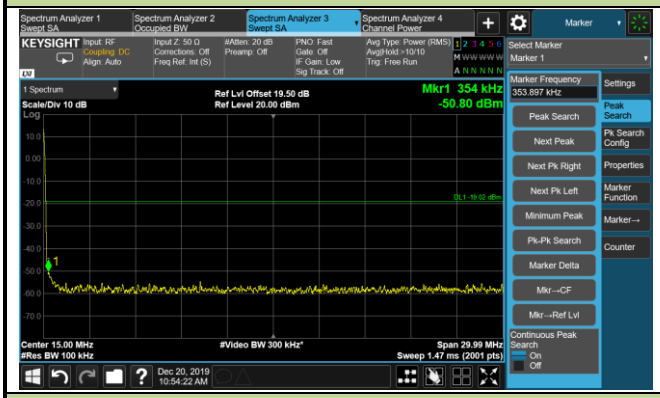
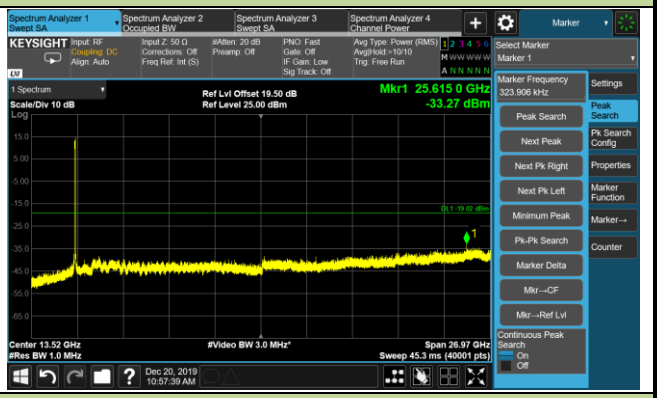
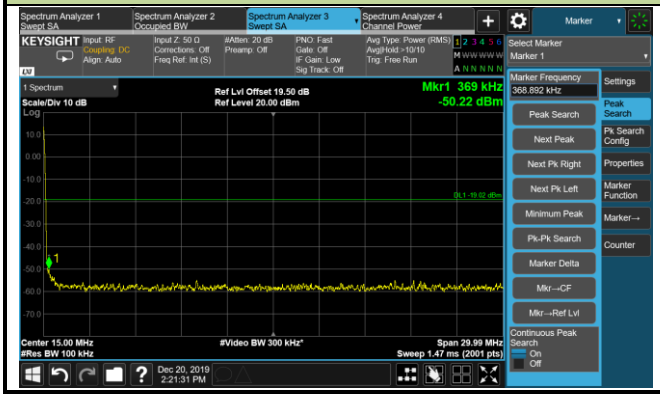
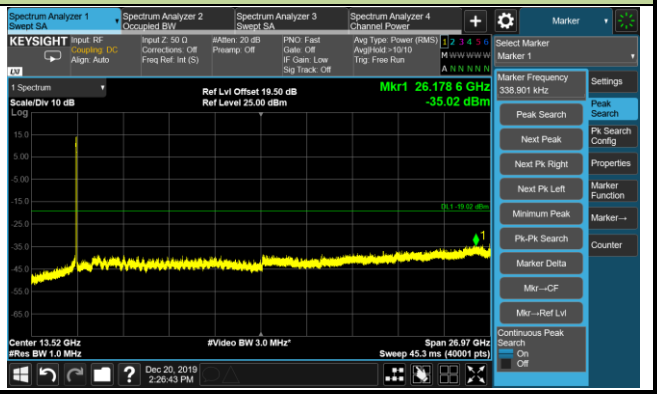
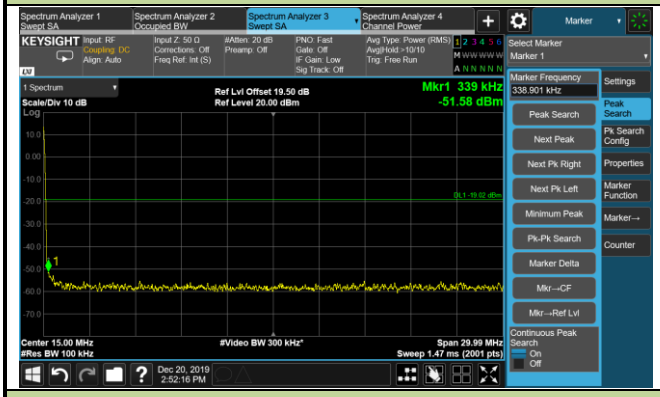
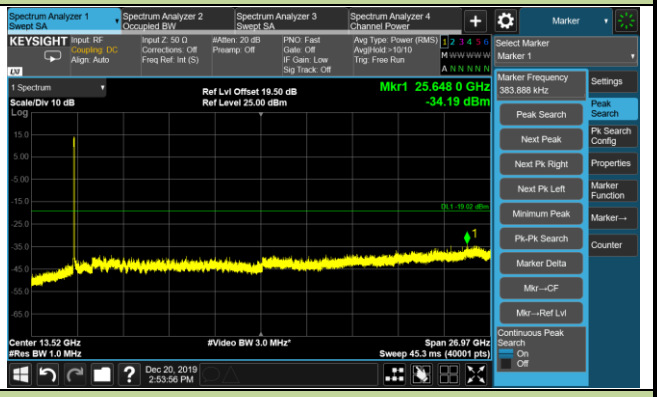
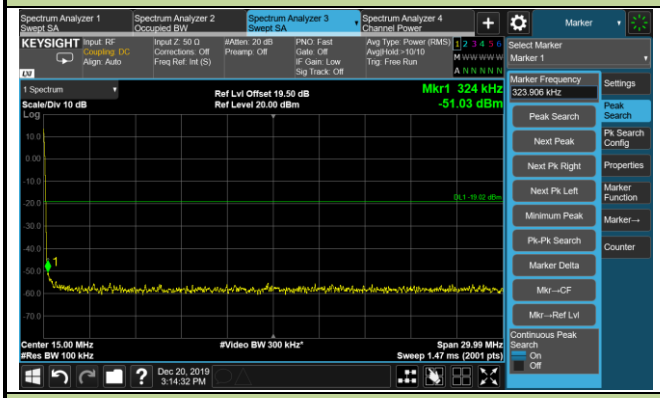
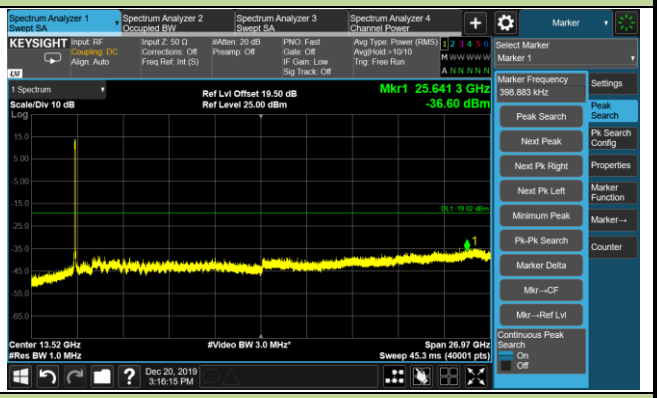
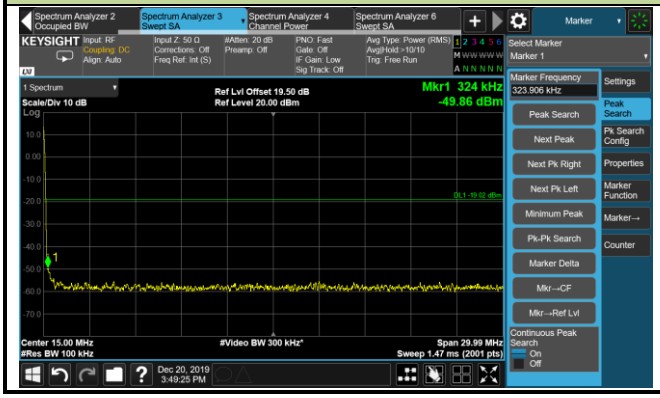
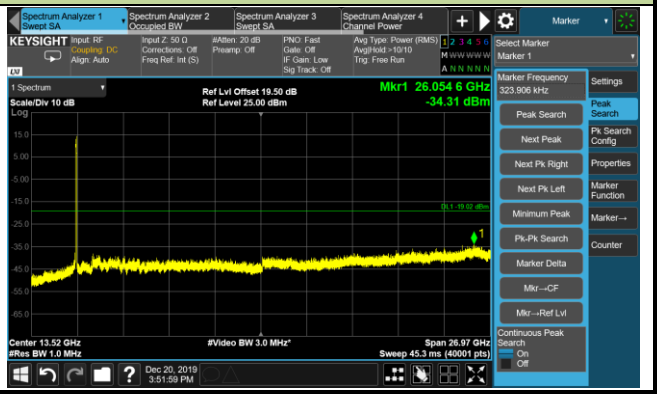
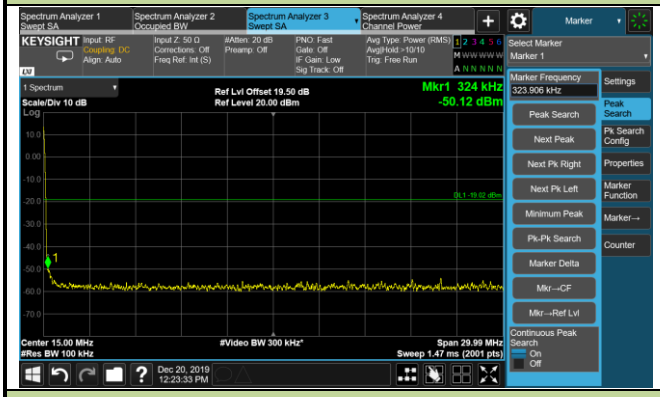
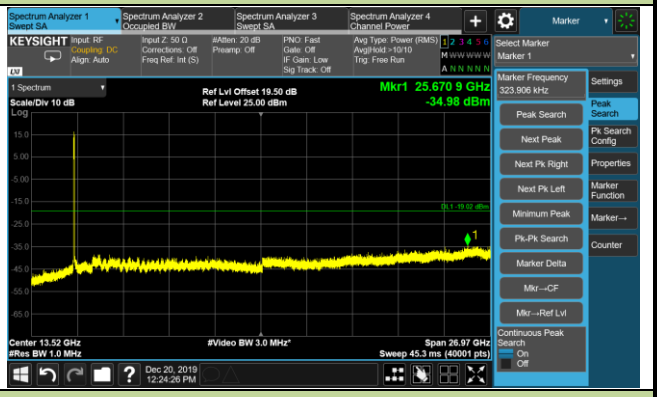
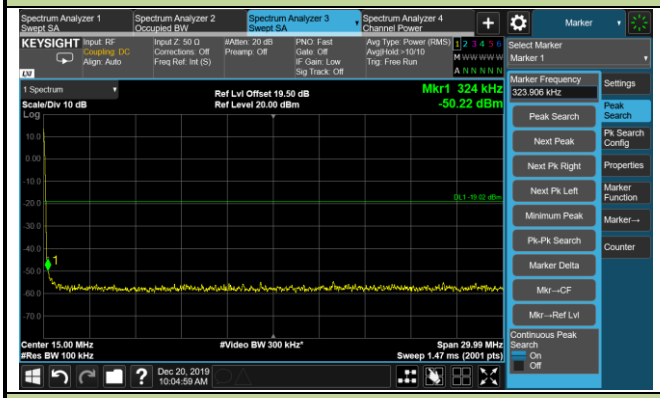
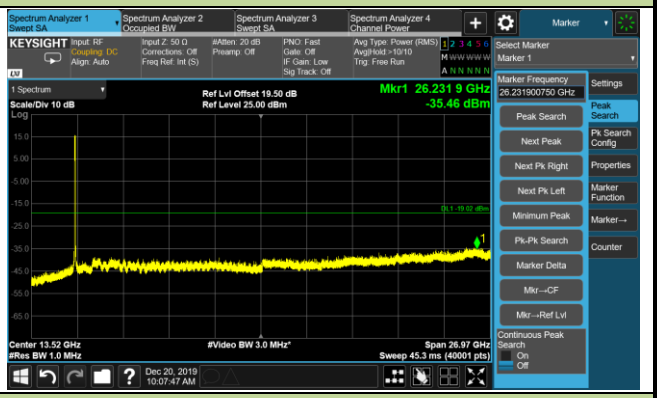
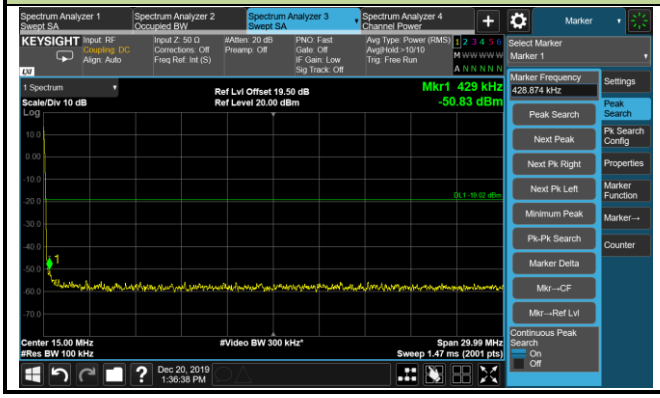
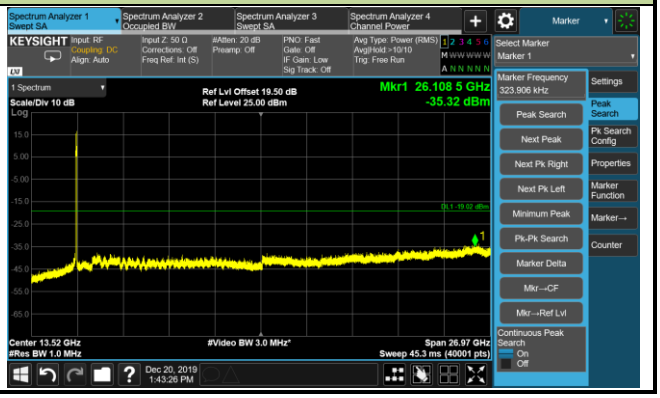
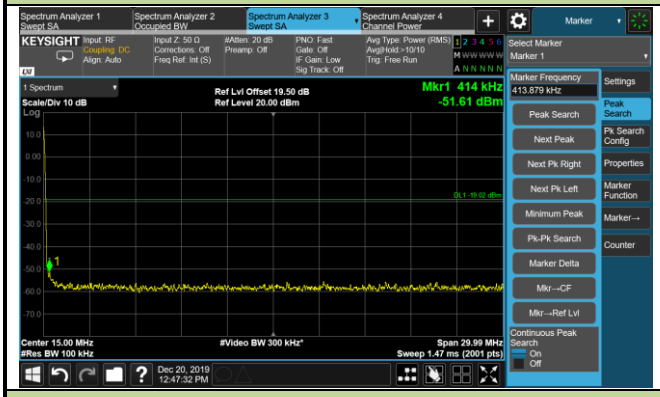
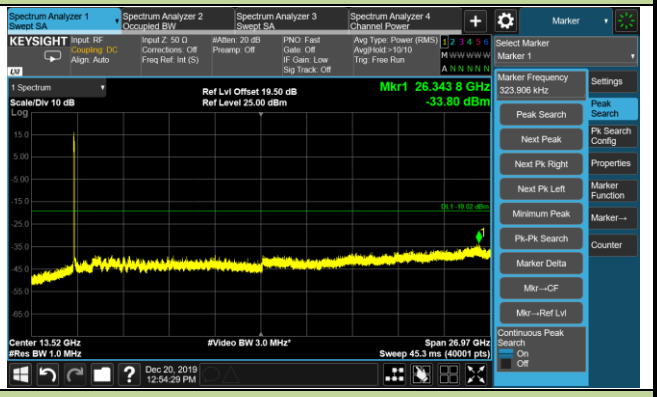
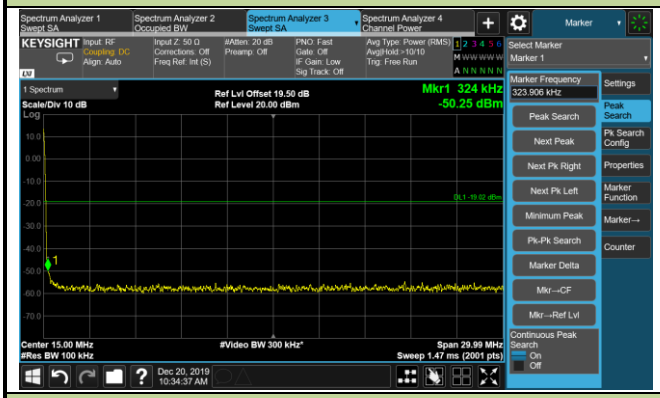
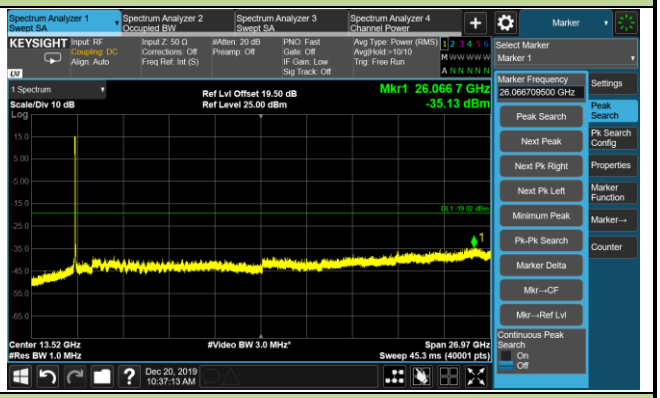
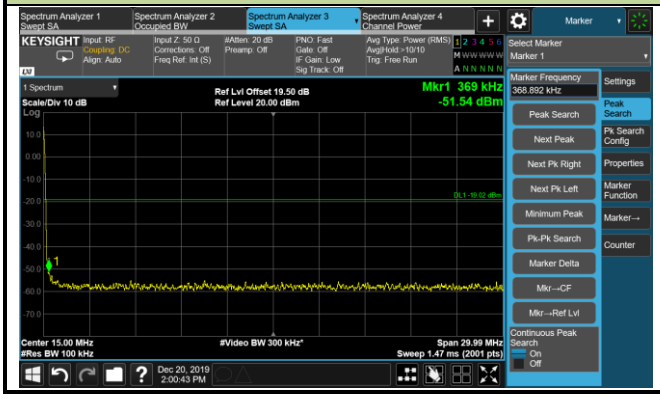
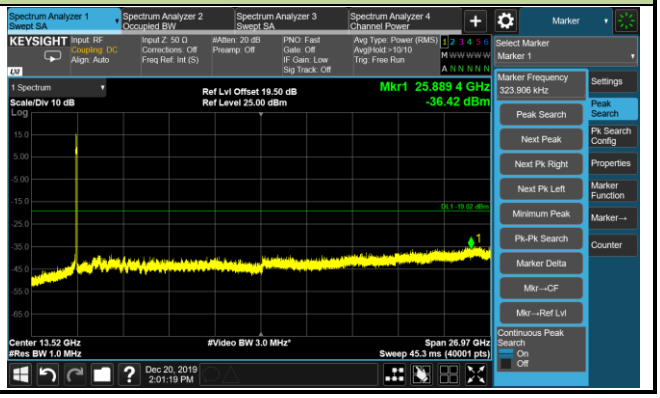
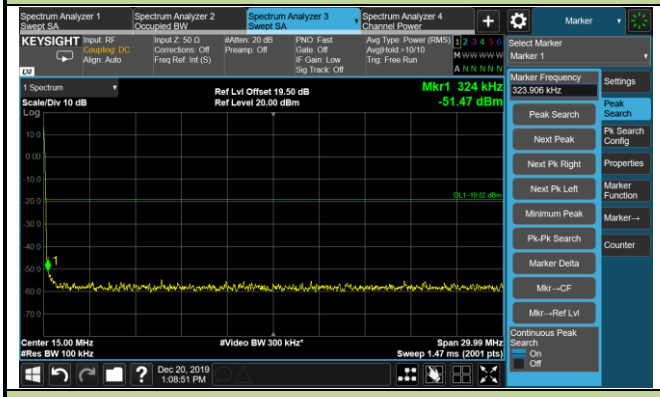
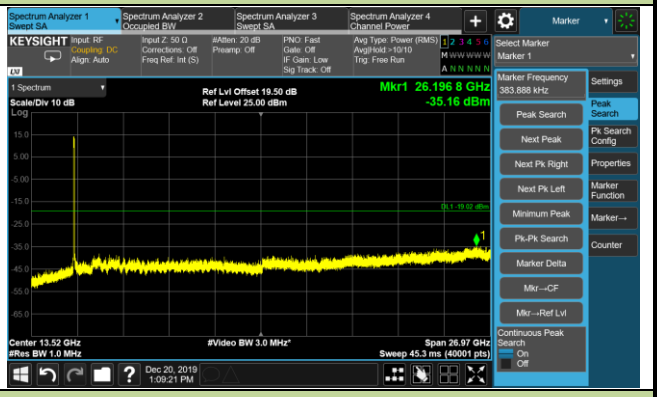
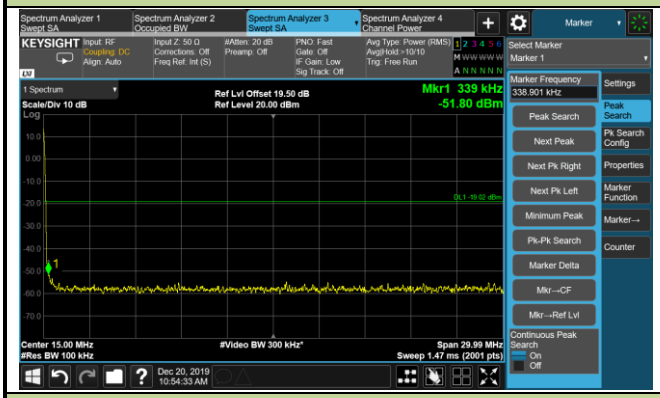
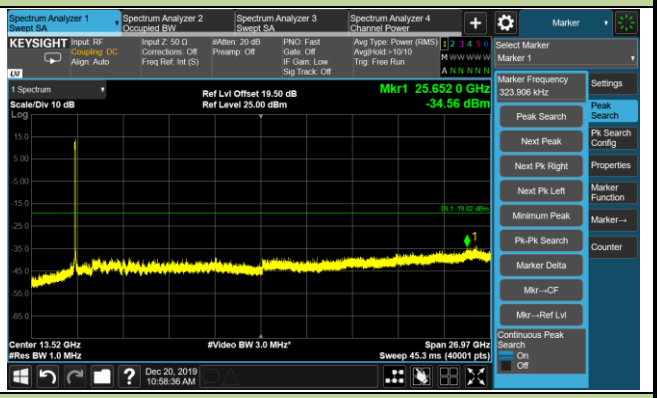
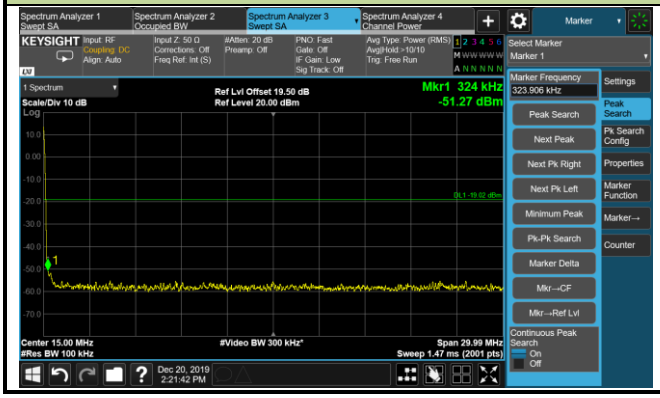
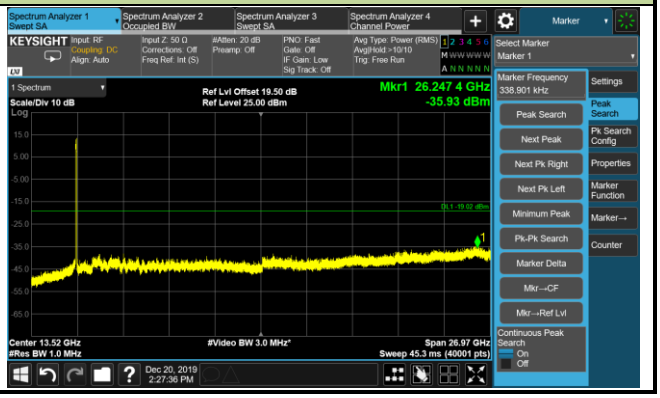
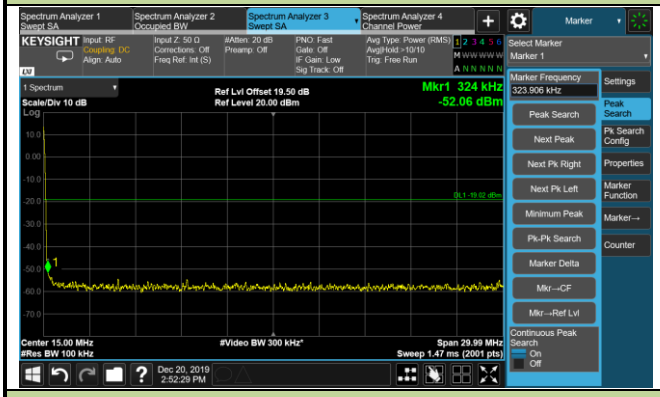
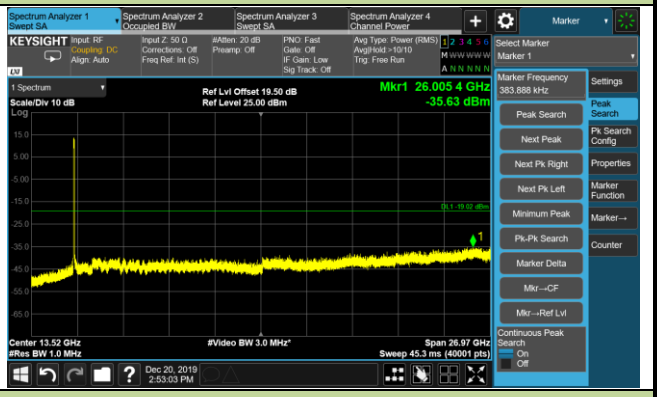
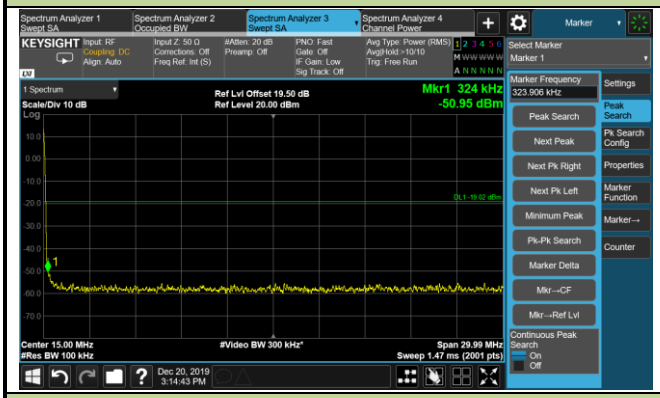
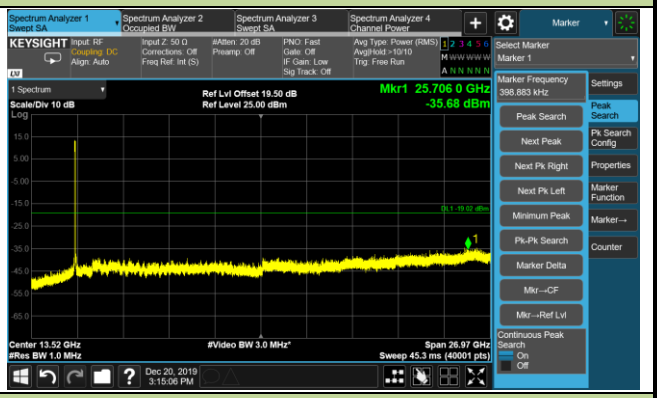
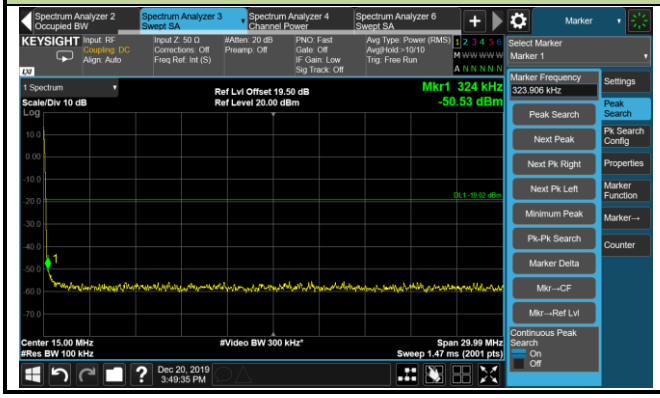
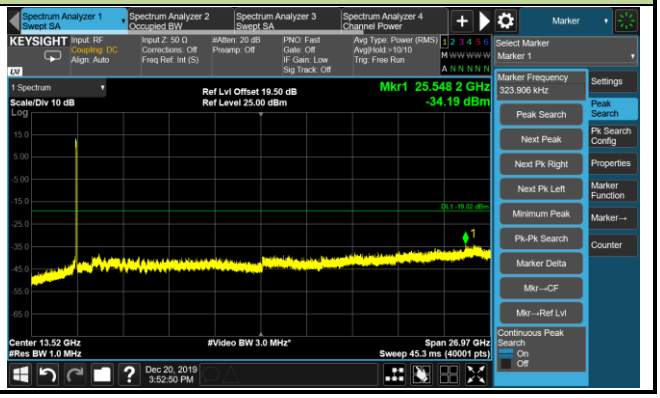
| Conducted Spurious Emissions - Ant 2 (64QAM) | |
|---|---|
| 2526.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2593.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2660.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |

| Conducted Spurious Emissions - Ant 2 (256QAM) | |
|---|---|
| 2526.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2593.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2660.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |

| Conducted Spurious Emissions - Ant 3 (QPSK) | |
|---|---|
| 2526.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2593.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2660.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |

| Conducted Spurious Emissions - Ant 3 (16QAM) | |
|---|---|
| 2526.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2593.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2660.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |

| Conducted Spurious Emissions - Ant 3 (64QAM) | |
|---|---|
| 2526.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2593.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2660.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |

| Conducted Spurious Emissions - Ant 3 (256QAM) | |
|---|---|
| 2526.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2593.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |
| 2660.0MHz | |
| 9kHz ~ 30MHz | 30MHz ~ 27.0GHz |
|  |  |

## 6.8. Radiated Spurious Emissions Measurements

### 6.8.1.Test Limit

Out of band emissions: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

E (dBμV/m) = EIRP (dBm) - 20 log D + 104.8; where D is the measurement distance in meters. The emission limit equal to 82.3dBμV/m.

### 6.8.2.Test Procedure Used

KDB 971168 D01v03r01 - Section 5.8 & 7

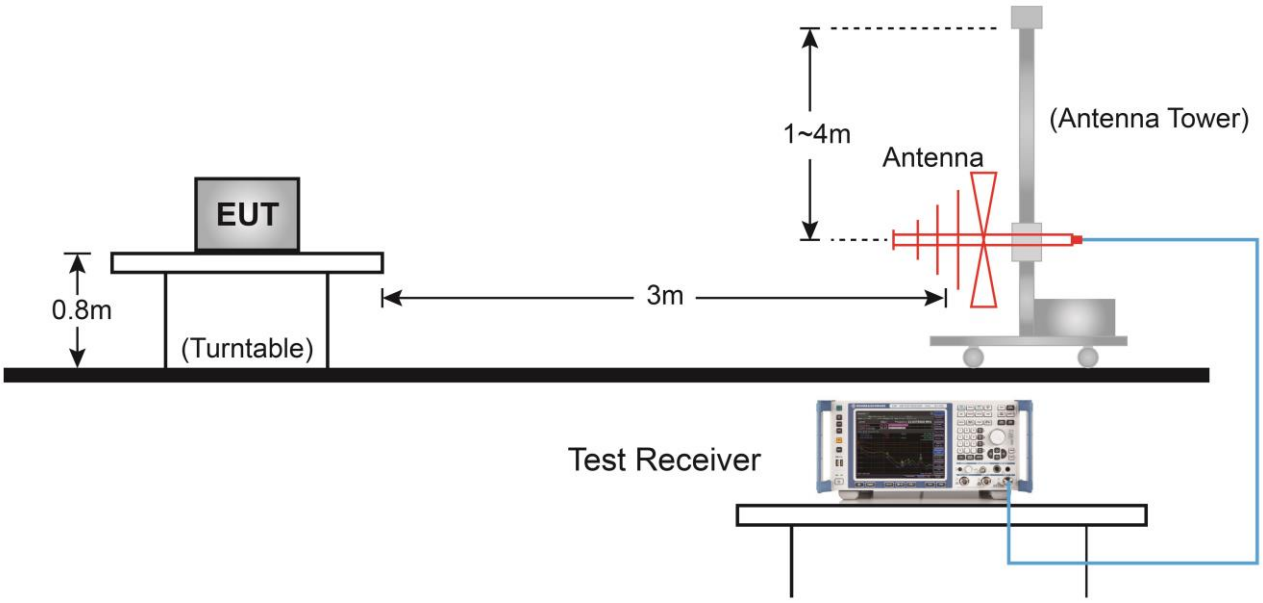
ANSI C63.26-2015 - Section 5.2.7 & 5.5

### 6.8.3.Test Setting

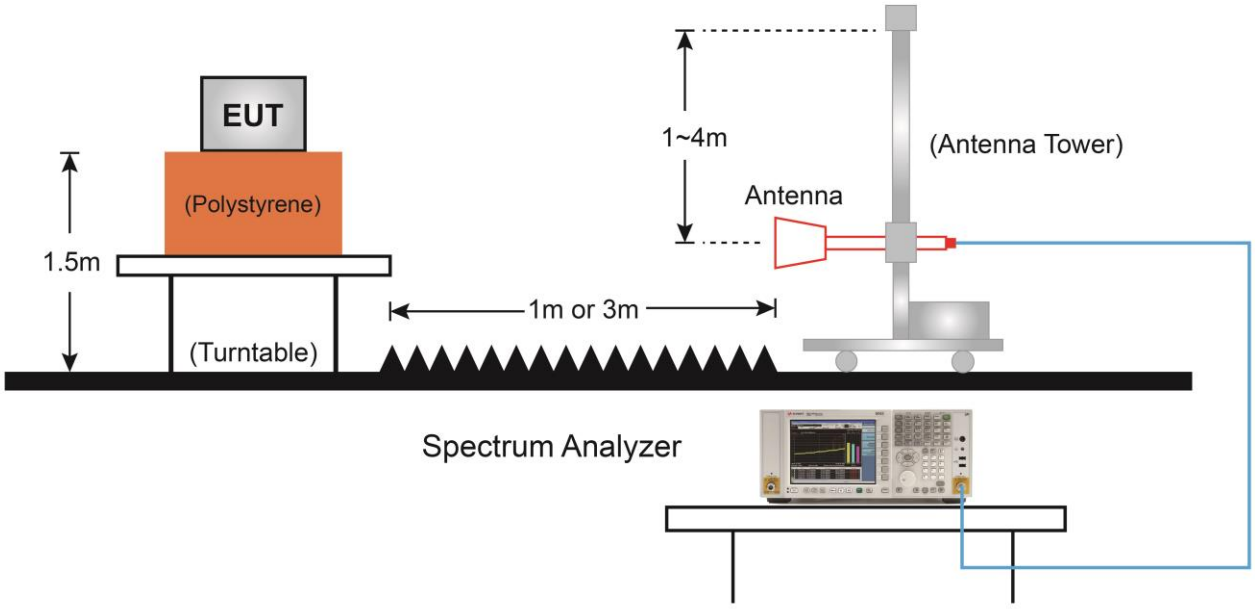
1. RBW = 100kHz or 1MHz
2. VBW ≥ 3*RBW
3. Sweep time ≥ 10 × (number of points in sweep) × (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

### 6.8.4.Test Setup

Below 1GHz Test Setup:




Above 1GHz Test Setup:



### 6.8.5.Test Result

| Product | AirScale Indoor Radio ASiR 5G-pRRH | Test Engineer | Peter Xu |
|---|---|---|---|
| Test Site | AC1 | Test Date | 2019/08/29 |
| Test Item | 5G NR Band n41_QPSK, BW = 100MHz | | |

| Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|
| Bottom Channel (2546.0MHz) | | | | | | | |
| 122.6 | 22.0 | 16.7 | 38.6 | 82.2 | -43.6 | Peak | Horizontal |
| 330.7 | 10.9 | 22.6 | 33.5 | 82.2 | -48.7 | Peak | Horizontal |
| 7638.0 | 35.2 | 11.9 | 47.1 | 82.2 | -35.1 | Peak | Horizontal |
| 10184.0 | 35.1 | 15.9 | 50.9 | 82.2 | -31.3 | Peak | Horizontal |
| 125.5 | 21.2 | 16.4 | 37.6 | 82.2 | -44.6 | Peak | Vertical |
| 155.1 | 22.4 | 16.0 | 38.3 | 82.2 | -43.9 | Peak | Vertical |
| 7655.5 | 38.9 | 11.9 | 50.8 | 82.2 | -31.4 | Peak | Vertical |
| 10184.0 | 34.8 | 15.9 | 50.7 | 82.2 | -31.5 | Peak | Vertical |
| Middle Channel (2593.0MHz) | | | | | | | |
| 123.1 | 22.2 | 16.6 | 38.8 | 82.2 | -43.4 | Peak | Horizontal |
| 168.7 | 18.2 | 16.3 | 34.6 | 82.2 | -47.6 | Peak | Horizontal |
| 7779.0 | 35.1 | 12.0 | 47.1 | 82.2 | -35.1 | Peak | Horizontal |
| 10372.0 | 35.1 | 16.5 | 51.6 | 82.2 | -30.6 | Peak | Horizontal |
| 123.1 | 19.4 | 16.6 | 36.0 | 82.2 | -46.2 | Peak | Vertical |
| 158.0 | 21.6 | 16.1 | 37.6 | 82.2 | -44.6 | Peak | Vertical |
| 7779.0 | 35.8 | 12.0 | 47.8 | 82.2 | -34.4 | Peak | Vertical |
| 10372.0 | 34.4 | 16.5 | 50.9 | 82.2 | -31.3 | Peak | Vertical |
| Top Channel (2640.0MHz) | | | | | | | |
| 121.7 | 22.2 | 16.8 | 38.9 | 82.2 | -43.3 | Peak | Horizontal |
| 156.6 | 19.3 | 16.0 | 35.3 | 82.2 | -46.9 | Peak | Horizontal |
| 5352.0 | 43.4 | 3.8 | 47.2 | 82.2 | -35.0 | Peak | Horizontal |
| 7920.0 | 36.3 | 12.1 | 48.5 | 82.2 | -33.7 | Peak | Horizontal |
| 122.2 | 20.1 | 16.7 | 36.9 | 82.2 | -45.3 | Peak | Vertical |
| 160.5 | 22.2 | 16.1 | 38.4 | 82.2 | -43.8 | Peak | Vertical |
| 7920.0 | 35.5 | 12.1 | 47.6 | 82.2 | -34.6 | Peak | Vertical |
| 10560.0 | 34.6 | 17.0 | 51.5 | 82.2 | -30.7 | Peak | Vertical |
| Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)<br>Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB) | | | | | | | |

| Product | AirScale Indoor Radio ASiR 5G-pRRH | Test Engineer | Peter Xu |
|---|---|---|---|
| Test Site | AC1 | Test Date | 2019/08/29 |
| Test Item | 5G NR Band n41_16QAM, BW = 100MHz | | |

| Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|
| Bottom Channel (2546.0MHz) | | | | | | | |
| 121.7 | 22.4 | 16.8 | 39.2 | 82.2 | -43.0 | Peak | Horizontal |
| 152.2 | 19.3 | 15.9 | 35.1 | 82.2 | -47.1 | Peak | Horizontal |
| 7579.0 | 37.9 | 11.8 | 49.7 | 82.2 | -32.5 | Peak | Horizontal |
| 10184.0 | 34.4 | 15.9 | 50.2 | 82.2 | -32.0 | Peak | Horizontal |
| 121.7 | 19.4 | 16.8 | 36.2 | 82.2 | -46.0 | Peak | Vertical |
| 161.0 | 22.5 | 16.1 | 38.7 | 82.2 | -43.5 | Peak | Vertical |
| 7672.5 | 38.4 | 11.9 | 50.3 | 82.2 | -31.9 | Peak | Vertical |
| 10184.0 | 34.8 | 15.9 | 50.6 | 82.2 | -31.6 | Peak | Vertical |
| Middle Channel (2593.0MHz) | | | | | | | |
| 122.2 | 22.4 | 16.7 | 39.1 | 82.2 | -43.1 | Peak | Horizontal |
| 157.1 | 18.7 | 16.0 | 34.7 | 82.2 | -47.5 | Peak | Horizontal |
| 7779.0 | 35.0 | 12.0 | 47.0 | 82.2 | -35.2 | Peak | Horizontal |
| 10372.0 | 33.9 | 16.5 | 50.4 | 82.2 | -31.8 | Peak | Horizontal |
| 121.2 | 19.3 | 16.8 | 36.1 | 82.2 | -46.1 | Peak | Vertical |
| 153.2 | 22.3 | 15.9 | 38.2 | 82.2 | -44.0 | Peak | Vertical |
| 7779.0 | 35.9 | 12.0 | 47.9 | 82.2 | -34.3 | Peak | Vertical |
| 10372.0 | 34.3 | 16.5 | 50.7 | 82.2 | -31.5 | Peak | Vertical |
| Top Channel (2640.0MHz) | | | | | | | |
| 122.2 | 22.3 | 16.7 | 39.1 | 82.2 | -43.1 | Peak | Horizontal |
| 167.3 | 17.8 | 16.3 | 34.1 | 82.2 | -48.1 | Peak | Horizontal |
| 5343.5 | 42.7 | 3.8 | 46.4 | 82.2 | -35.8 | Peak | Horizontal |
| 7920.0 | 35.7 | 12.1 | 47.9 | 82.2 | -34.3 | Peak | Horizontal |
| 122.6 | 19.2 | 16.7 | 35.9 | 82.2 | -46.3 | Peak | Vertical |
| 157.6 | 22.2 | 16.0 | 38.3 | 82.2 | -43.9 | Peak | Vertical |
| 7920.0 | 36.6 | 12.1 | 48.7 | 82.2 | -33.5 | Peak | Vertical |
| 10560.0 | 34.8 | 17.0 | 51.7 | 82.2 | -30.5 | Peak | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Product | AirScale Indoor Radio ASiR 5G-pRRH | Test Engineer | Peter Xu |
|---|---|---|---|
| Test Site | AC1 | Test Date | 2019/08/29 |
| Test Item | 5G NR Band n41_64QAM, BW = 100MHz | | |

| Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|
| Bottom Channel (2546.0MHz) | | | | | | | |
| 122.6 | 21.8 | 16.7 | 38.5 | 82.2 | -43.7 | Peak | Horizontal |
| 168.7 | 17.6 | 16.3 | 34.0 | 82.2 | -48.2 | Peak | Horizontal |
| 7638.0 | 36.0 | 11.9 | 47.8 | 82.2 | -34.4 | Peak | Horizontal |
| 10184.0 | 34.1 | 15.9 | 50.0 | 82.2 | -32.2 | Peak | Horizontal |
| 121.2 | 19.0 | 16.8 | 35.8 | 82.2 | -46.4 | Peak | Vertical |
| 152.7 | 21.9 | 15.9 | 37.8 | 82.2 | -44.4 | Peak | Vertical |
| 7613.0 | 39.1 | 11.8 | 50.9 | 82.2 | -31.3 | Peak | Vertical |
| 10184.0 | 34.6 | 15.9 | 50.5 | 82.2 | -31.7 | Peak | Vertical |
| Middle Channel (2593.0MHz) | | | | | | | |
| 122.2 | 21.3 | 16.7 | 38.0 | 82.2 | -44.2 | Peak | Horizontal |
| 166.3 | 17.7 | 16.3 | 34.0 | 82.2 | -48.2 | Peak | Horizontal |
| 7779.0 | 35.0 | 12.0 | 47.0 | 82.2 | -35.2 | Peak | Horizontal |
| 10372.0 | 34.3 | 16.5 | 50.8 | 82.2 | -31.4 | Peak | Horizontal |
| 122.6 | 19.0 | 16.7 | 35.7 | 82.2 | -46.5 | Peak | Vertical |
| 161.0 | 21.5 | 16.1 | 37.7 | 82.2 | -44.5 | Peak | Vertical |
| 7779.0 | 35.3 | 12.0 | 47.3 | 82.2 | -34.9 | Peak | Vertical |
| 10372.0 | 34.1 | 16.5 | 50.6 | 82.2 | -31.6 | Peak | Vertical |
| Top Channel (2640.0MHz) | | | | | | | |
| 122.6 | 22.2 | 16.7 | 38.9 | 82.2 | -43.3 | Peak | Horizontal |
| 166.3 | 18.1 | 16.3 | 34.3 | 82.2 | -47.9 | Peak | Horizontal |
| 5360.5 | 41.5 | 3.8 | 45.3 | 82.2 | -36.9 | Peak | Horizontal |
| 7920.0 | 35.9 | 12.1 | 48.0 | 82.2 | -34.2 | Peak | Horizontal |
| 151.7 | 21.8 | 15.8 | 37.7 | 82.2 | -44.5 | Peak | Vertical |
| 211.9 | 13.6 | 18.7 | 32.2 | 82.2 | -50.0 | Peak | Vertical |
| 7920.0 | 36.3 | 12.1 | 48.4 | 82.2 | -33.8 | Peak | Vertical |
| 10560.0 | 35.0 | 17.0 | 52.0 | 82.2 | -30.2 | Peak | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Product | AirScale Indoor Radio ASiR 5G-pRRH | Test Engineer | Peter Xu |
|---|---|---|---|
| Test Site | AC1 | Test Date | 2019/12/19 |
| Test Item | 5G NR Band n41_256QAM, BW = 100MHz | | |

| Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|
| Bottom Channel (2546.0MHz) | | | | | | | |
| 121.7 | 22.9 | 16.8 | 39.7 | 82.2 | -42.5 | Peak | Horizontal |
| 172.6 | 18.4 | 16.6 | 35.0 | 82.2 | -47.2 | Peak | Horizontal |
| 5092.0 | 38.9 | 3.6 | 42.5 | 82.2 | -39.7 | Peak | Horizontal |
| 7587.5 | 38.4 | 11.8 | 50.3 | 82.2 | -31.9 | Peak | Horizontal |
| 122.6 | 19.6 | 16.7 | 36.3 | 82.2 | -45.9 | Peak | Vertical |
| 162.4 | 22.2 | 16.2 | 38.4 | 82.2 | -43.8 | Peak | Vertical |
| 7664.0 | 39.1 | 11.9 | 51.0 | 82.2 | -31.2 | Peak | Vertical |
| 10184.0 | 33.8 | 15.9 | 49.7 | 82.2 | -32.5 | Peak | Vertical |
| Middle Channel (2593.0MHz) | | | | | | | |
| 123.1 | 21.2 | 16.6 | 37.9 | 82.2 | -44.3 | Peak | Horizontal |
| 156.6 | 18.5 | 16.0 | 34.5 | 82.2 | -47.7 | Peak | Horizontal |
| 7779.0 | 35.1 | 12.0 | 47.1 | 82.2 | -35.1 | Peak | Horizontal |
| 10372.0 | 34.5 | 16.5 | 50.9 | 82.2 | -31.3 | Peak | Horizontal |
| 122.6 | 18.1 | 16.7 | 34.8 | 82.2 | -47.4 | Peak | Vertical |
| 161.9 | 21.7 | 16.2 | 37.9 | 82.2 | -44.3 | Peak | Vertical |
| 7779.0 | 34.8 | 12.0 | 46.8 | 82.2 | -35.4 | Peak | Vertical |
| 10372.0 | 34.8 | 16.5 | 51.2 | 82.2 | -31.0 | Peak | Vertical |
| Top Channel (2640.0MHz) | | | | | | | |
| 121.7 | 21.9 | 16.8 | 38.7 | 82.2 | -43.5 | Peak | Horizontal |
| 157.6 | 18.7 | 16.0 | 34.7 | 82.2 | -47.5 | Peak | Horizontal |
| 7920.0 | 35.5 | 12.1 | 47.7 | 82.2 | -34.5 | Peak | Horizontal |
| 10560.0 | 35.0 | 17.0 | 52.0 | 82.2 | -30.2 | Peak | Horizontal |
| 122.6 | 19.7 | 16.7 | 36.4 | 82.2 | -45.8 | Peak | Vertical |
| 162.4 | 22.0 | 16.2 | 38.2 | 82.2 | -44.0 | Peak | Vertical |
| 7920.0 | 35.5 | 12.1 | 47.6 | 82.2 | -34.6 | Peak | Vertical |
| 10560.0 | 34.8 | 17.0 | 51.7 | 82.2 | -30.5 | Peak | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Product | AirScale Indoor Radio ASiR 5G-pRRH | Test Engineer | Peter Xu |
|---|---|---|---|
| Test Site | AC1 | Test Date | 2019/12/21 |
| Test Item | 5G NR Band n41_QPSK, BW = 60MHz | | |

| Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|
| Bottom Channel (2526.0MHz) | | | | | | | |
| 289.0 | 15.8 | 21.2 | 37.0 | 82.2 | -45.2 | PK | Horizontal |
| 360.8 | 14.0 | 23.6 | 37.6 | 82.2 | -44.6 | PK | Horizontal |
| 134.8 | 13.3 | 15.7 | 29.0 | 82.2 | -53.2 | PK | Horizontal |
| 343.3 | 7.3 | 23.2 | 30.5 | 82.2 | -51.7 | PK | Horizontal |
| 5896.0 | 38.3 | 5.4 | 43.7 | 82.2 | -38.5 | PK | Vertical |
| 8055.0 | 35.5 | 12.3 | 47.8 | 82.2 | -34.4 | PK | Vertical |
| 7239.0 | 35.9 | 11.1 | 47.0 | 82.2 | -35.2 | PK | Vertical |
| 10902.5 | 35.8 | 17.4 | 53.2 | 82.2 | -29.0 | PK | Vertical |
| Middle Channel (2593.0MHz) | | | | | | | |
| 288.5 | 14.0 | 21.2 | 35.2 | 82.2 | -47.0 | PK | Horizontal |
| 343.3 | 15.2 | 23.2 | 38.4 | 82.2 | -43.8 | PK | Horizontal |
| 132.8 | 14.6 | 15.8 | 30.4 | 82.2 | -51.8 | PK | Horizontal |
| 359.3 | 11.5 | 23.6 | 35.1 | 82.2 | -47.1 | PK | Horizontal |
| 7995.5 | 35.9 | 12.2 | 48.1 | 82.2 | -34.1 | PK | Vertical |
| 10639.0 | 34.8 | 17.1 | 51.9 | 82.2 | -30.3 | PK | Vertical |
| 8208.0 | 36.4 | 12.3 | 48.7 | 82.2 | -33.5 | PK | Vertical |
| 10231.0 | 35.8 | 16.0 | 51.8 | 82.2 | -30.4 | PK | Vertical |
| Top Channel (2660.0MHz) | | | | | | | |
| 289.0 | 15.8 | 21.2 | 37.0 | 82.2 | -45.2 | PK | Horizontal |
| 360.8 | 14.0 | 23.6 | 37.6 | 82.2 | -44.6 | PK | Horizontal |
| 132.8 | 12.9 | 15.8 | 28.7 | 82.2 | -53.5 | PK | Horizontal |
| 371.0 | 8.5 | 23.7 | 32.2 | 82.2 | -50.0 | PK | Horizontal |
| 8021.0 | 35.9 | 12.2 | 48.1 | 82.2 | -34.1 | PK | Vertical |
| 11514.5 | 34.4 | 18.0 | 52.4 | 82.2 | -29.8 | PK | Vertical |
| 8140.0 | 41.9 | 12.3 | 54.2 | 82.2 | -28.0 | PK | Vertical |
| 10953.5 | 42.4 | 17.5 | 59.9 | 82.2 | -22.3 | PK | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Product | AirScale Indoor Radio ASiR 5G-pRRH | Test Engineer | Peter Xu |
|---|---|---|---|
| Test Site | AC1 | Test Date | 2019/12/21 |
| Test Item | 5G NR Band n41_16QAM, BW = 60MHz | | |

| Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|
| Bottom Channel (2526.0MHz) | | | | | | | |
| 301.1 | 16.9 | 21.4 | 38.3 | 82.2 | -43.9 | PK | Horizontal |
| 366.6 | 13.4 | 23.7 | 37.1 | 82.2 | -45.1 | PK | Horizontal |
| 196.8 | 8.2 | 18.9 | 27.1 | 82.2 | -55.1 | PK | Horizontal |
| 360.8 | 7.7 | 23.6 | 31.3 | 82.2 | -50.9 | PK | Horizontal |
| 7256.0 | 42.4 | 11.2 | 53.6 | 82.2 | -28.6 | PK | Vertical |
| 10724.0 | 42.7 | 17.2 | 59.9 | 82.2 | -22.3 | PK | Vertical |
| 8055.0 | 42.0 | 12.3 | 54.3 | 82.2 | -27.9 | PK | Vertical |
| 10690.0 | 42.3 | 17.1 | 59.4 | 82.2 | -22.8 | PK | Vertical |
| Middle Channel (2593.0MHz) | | | | | | | |
| 296.8 | 15.8 | 21.4 | 37.2 | 82.2 | -45.0 | PK | Horizontal |
| 360.8 | 14.0 | 23.6 | 37.6 | 82.2 | -44.6 | PK | Horizontal |
| 286.6 | 8.8 | 21.2 | 30.0 | 82.2 | -52.2 | PK | Horizontal |
| 364.2 | 10.0 | 23.6 | 33.6 | 82.2 | -48.6 | PK | Horizontal |
| 7749.0 | 42.3 | 12.0 | 54.3 | 82.2 | -27.9 | PK | Vertical |
| 10894.0 | 42.1 | 17.4 | 59.5 | 82.2 | -22.7 | PK | Vertical |
| 8106.0 | 42.0 | 12.3 | 54.3 | 82.2 | -27.9 | PK | Vertical |
| 9823.0 | 43.7 | 14.7 | 58.4 | 82.2 | -23.8 | PK | Vertical |
| Top Channel (2660.0MHz) | | | | | | | |
| 298.7 | 14.9 | 21.4 | 36.3 | 82.2 | -45.9 | PK | Horizontal |
| 361.7 | 13.6 | 23.6 | 37.2 | 82.2 | -45.0 | PK | Horizontal |
| 130.9 | 12.9 | 15.9 | 28.8 | 82.2 | -53.4 | PK | Horizontal |
| 365.6 | 10.8 | 23.7 | 34.5 | 82.2 | -47.7 | PK | Horizontal |
| 8123.0 | 42.4 | 12.3 | 54.7 | 82.2 | -27.5 | PK | Vertical |
| 11030.0 | 42.4 | 17.6 | 60.0 | 82.2 | -22.2 | PK | Vertical |
| 8106.0 | 41.4 | 12.3 | 53.7 | 82.2 | -28.5 | PK | Vertical |
| 10834.5 | 41.9 | 17.3 | 59.2 | 82.2 | -23.0 | PK | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Product | AirScale Indoor Radio ASiR 5G-pRRH | Test Engineer | Peter Xu |
|---|---|---|---|
| Test Site | AC1 | Test Date | 2019/12/21 |
| Test Item | 5G NR Band n41_64QAM, BW = 60MHz | | |

| Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|
| Bottom Channel (2526.0MHz) | | | | | | | |
| 299.7 | 17.7 | 21.4 | 39.1 | 82.2 | -43.1 | PK | Horizontal |
| 363.7 | 15.8 | 23.6 | 39.4 | 82.2 | -42.8 | PK | Horizontal |
| 197.8 | 7.5 | 18.9 | 26.4 | 82.2 | -55.8 | PK | Horizontal |
| 364.2 | 8.6 | 23.6 | 32.2 | 82.2 | -50.0 | PK | Horizontal |
| 8191.0 | 42.1 | 12.3 | 54.4 | 82.2 | -27.8 | PK | Vertical |
| 10741.0 | 42.2 | 17.2 | 59.4 | 82.2 | -22.8 | PK | Vertical |
| 7375.0 | 41.7 | 11.4 | 53.1 | 82.2 | -29.1 | PK | Vertical |
| 10231.0 | 42.3 | 16.0 | 58.3 | 82.2 | -23.9 | PK | Vertical |
| Middle Channel (2593.0MHz) | | | | | | | |
| 298.2 | 15.0 | 21.4 | 36.4 | 82.2 | -45.8 | PK | Horizontal |
| 364.7 | 13.5 | 23.6 | 37.1 | 82.2 | -45.1 | PK | Horizontal |
| 137.7 | 8.3 | 15.6 | 23.9 | 82.2 | -58.3 | PK | Horizontal |
| 363.7 | 5.3 | 23.6 | 28.9 | 82.2 | -53.3 | PK | Horizontal |
| 8106.0 | 42.9 | 12.3 | 55.2 | 82.2 | -27.0 | PK | Vertical |
| 10690.0 | 43.0 | 17.1 | 60.1 | 82.2 | -22.1 | PK | Vertical |
| 8097.5 | 41.8 | 12.3 | 54.1 | 82.2 | -28.1 | PK | Vertical |
| 10673.0 | 43.0 | 17.1 | 60.1 | 82.2 | -22.1 | PK | Vertical |
| Top Channel (2660.0MHz) | | | | | | | |
| 308.4 | 14.6 | 21.7 | 36.3 | 82.2 | -45.9 | PK | Horizontal |
| 359.8 | 13.7 | 23.6 | 37.3 | 82.2 | -44.9 | PK | Horizontal |
| 198.8 | 7.5 | 18.9 | 26.4 | 82.2 | -55.8 | PK | Horizontal |
| 362.2 | 7.8 | 23.6 | 31.4 | 82.2 | -50.8 | PK | Horizontal |
| 8225.0 | 41.7 | 12.3 | 54.0 | 82.2 | -28.2 | PK | Vertical |
| 10851.5 | 42.4 | 17.4 | 59.8 | 82.2 | -22.4 | PK | Vertical |
| 8114.5 | 42.4 | 12.3 | 54.7 | 82.2 | -27.5 | PK | Vertical |
| 10800.5 | 42.4 | 17.3 | 59.7 | 82.2 | -22.5 | PK | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Product | AirScale Indoor Radio ASiR 5G-pRRH | Test Engineer | Peter Xu |
|---|---|---|---|
| Test Site | AC1 | Test Date | 2019/12/21 |
| Test Item | 5G NR Band n41_256QAM, BW = 60MHz | | |

| Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|
| Bottom Channel (2526.0MHz) | | | | | | | |
| 298.2 | 14.9 | 21.4 | 36.3 | 82.2 | -45.9 | PK | Horizontal |
| 363.2 | 14.6 | 23.6 | 38.2 | 82.2 | -44.0 | PK | Horizontal |
| 288.5 | 8.1 | 21.2 | 29.3 | 82.2 | -52.9 | PK | Horizontal |
| 371.4 | 7.0 | 23.7 | 30.7 | 82.2 | -51.5 | PK | Horizontal |
| 8131.5 | 42.2 | 12.3 | 54.5 | 82.2 | -27.7 | PK | Vertical |
| 10945.0 | 41.7 | 17.5 | 59.2 | 82.2 | -23.0 | PK | Vertical |
| 8123.0 | 42.4 | 12.3 | 54.7 | 82.2 | -27.5 | PK | Vertical |
| 10919.5 | 41.9 | 17.5 | 59.4 | 82.2 | -22.8 | PK | Vertical |
| Middle Channel (2593.0MHz) | | | | | | | |
| 299.2 | 15.9 | 21.4 | 37.3 | 82.2 | -44.9 | PK | Horizontal |
| 352.5 | 12.4 | 23.5 | 35.9 | 82.2 | -46.3 | PK | Horizontal |
| 196.8 | 7.2 | 18.9 | 26.1 | 82.2 | -56.1 | PK | Horizontal |
| 364.2 | 7.7 | 23.6 | 31.3 | 82.2 | -50.9 | PK | Horizontal |
| 8080.5 | 42.0 | 12.3 | 54.3 | 82.2 | -27.9 | PK | Vertical |
| 10596.5 | 42.6 | 17.0 | 59.6 | 82.2 | -22.6 | PK | Vertical |
| 8097.5 | 41.6 | 12.3 | 53.9 | 82.2 | -28.3 | PK | Vertical |
| 9797.5 | 44.1 | 14.6 | 58.7 | 82.2 | -23.5 | PK | Vertical |
| Top Channel (2660.0MHz) | | | | | | | |
| 289.0 | 15.8 | 21.2 | 37.0 | 82.2 | -45.2 | PK | Horizontal |
| 370.5 | 15.2 | 23.7 | 38.9 | 82.2 | -43.3 | PK | Horizontal |
| 199.8 | 8.0 | 18.9 | 26.9 | 82.2 | -55.3 | PK | Horizontal |
| 364.2 | 7.6 | 23.6 | 31.2 | 82.2 | -51.0 | PK | Horizontal |
| 7987.0 | 43.4 | 12.2 | 55.6 | 82.2 | -26.6 | PK | Vertical |
| 11285.0 | 41.8 | 17.8 | 59.6 | 82.2 | -22.6 | PK | Vertical |
| 8097.5 | 41.6 | 12.3 | 53.9 | 82.2 | -28.3 | PK | Vertical |
| 10928.0 | 42.1 | 17.5 | 59.6 | 82.2 | -22.6 | PK | Vertical |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

# 7. CONCLUSION

The data collected relate only the item(s) tested and show that the unit is compliance with FCC Rules.

The End