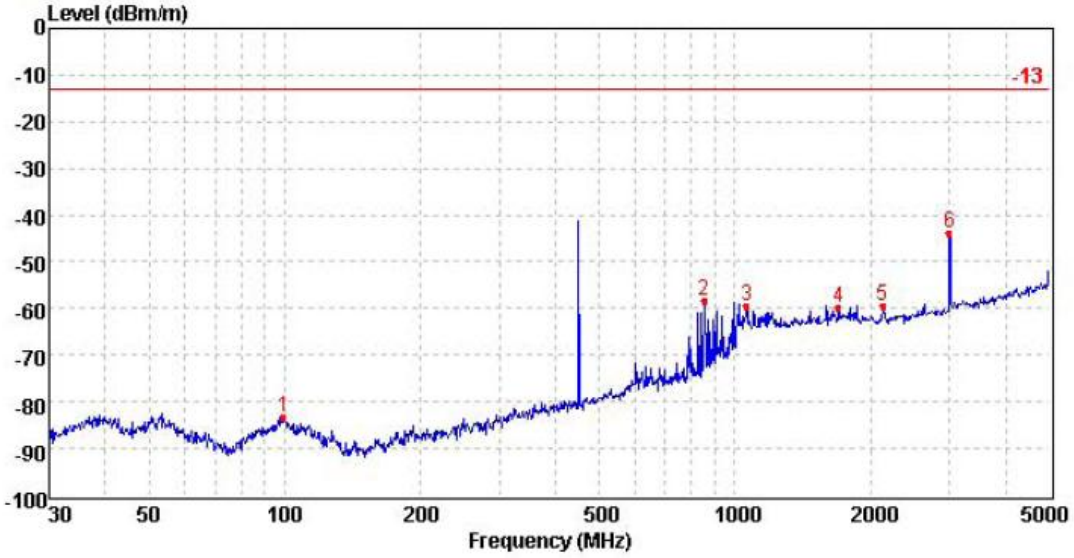
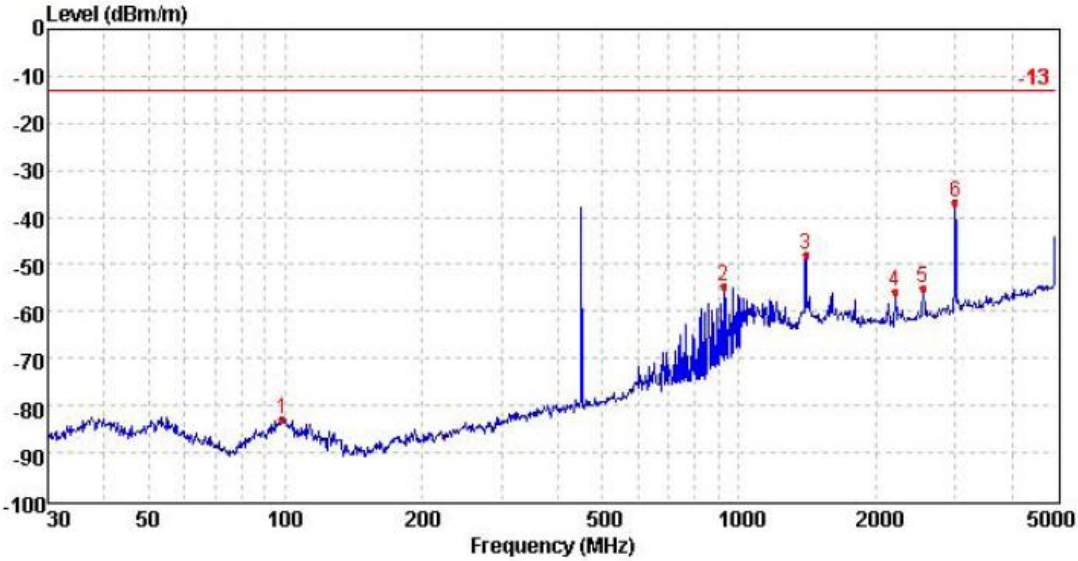
| TX1 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{H1}$ | Polarity: | Horizontal |



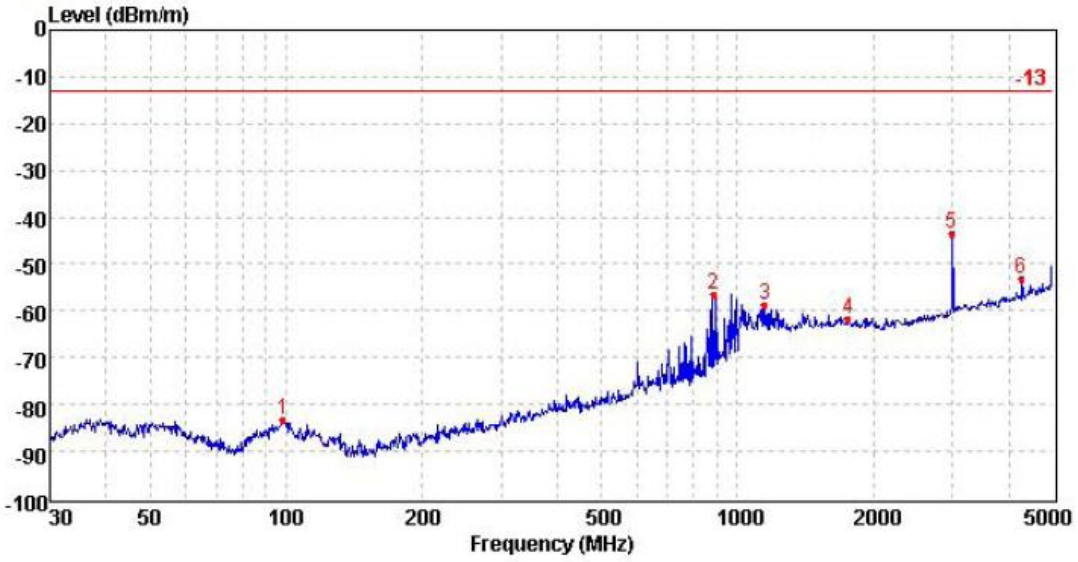

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 99.52 | -81.23 | 26.00 | 1.14 | 29.10 | -83.19 | -13.00 | -70.19 | Peak |
| 2 | 856.14 | -67.65 | 34.41 | 3.62 | 28.85 | -58.47 | -13.00 | -45.47 | Peak |
| 3 | 1063.07 | -65.65 | 38.59 | 4.35 | 36.64 | -59.35 | -13.00 | -46.35 | Peak |
| 4 | 1695.36 | -69.03 | 40.48 | 5.76 | 36.92 | -59.71 | -13.00 | -46.71 | Peak |
| 5 | 2130.67 | -69.98 | 41.44 | 6.38 | 37.33 | -59.49 | -13.00 | -46.49 | Peak |
| 6 | 3001.90 | -56.51 | 43.29 | 7.48 | 38.23 | -43.97 | -13.00 | -30.97 | Peak |

| Test Frequency: | $CH_{H1}$ | Polarity: | Vertical |
|---|---|---|---|



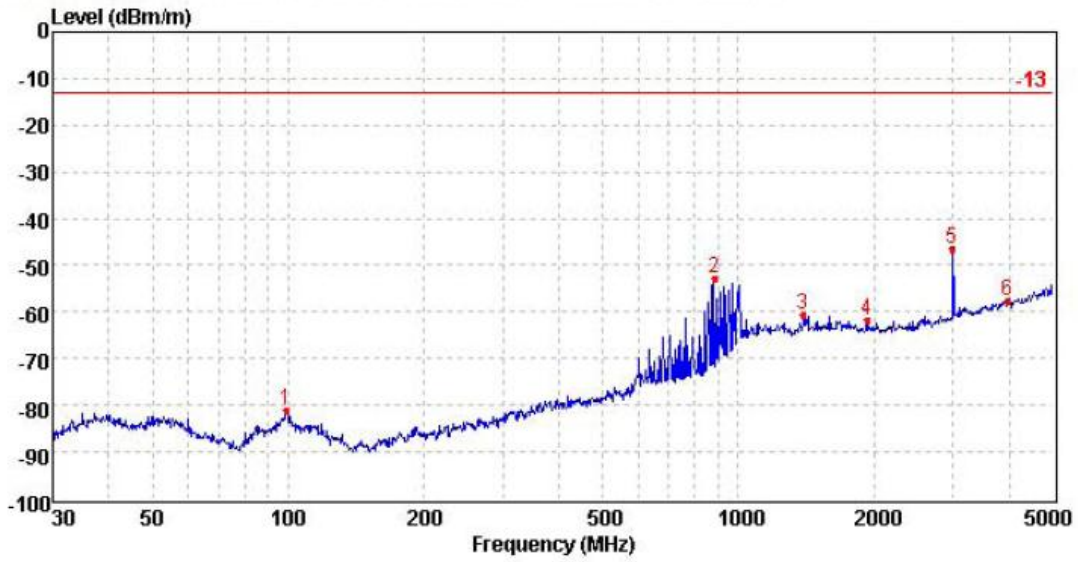

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 98.47 | -80.65 | 25.84 | 1.14 | 29.09 | -82.76 | -13.00 | -69.76 | Peak |
| 2 | 925.00 | -66.28 | 36.08 | 3.77 | 28.05 | -54.48 | -13.00 | -41.48 | Peak |
| 3 | 1404.37 | -56.20 | 39.76 | 5.01 | 36.47 | -47.90 | -13.00 | -34.90 | Peak |
| 4 | 2207.46 | -66.54 | 41.63 | 6.45 | 37.36 | -55.82 | -13.00 | -42.82 | Peak |
| 5 | 2543.33 | -66.37 | 42.47 | 6.87 | 37.86 | -54.89 | -13.00 | -41.89 | Peak |
| 6 | 2997.07 | -49.19 | 43.29 | 7.48 | 38.23 | -36.65 | -13.00 | -23.65 | Peak |

| TX2 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{L1}$ | Polarity: | Horizontal |



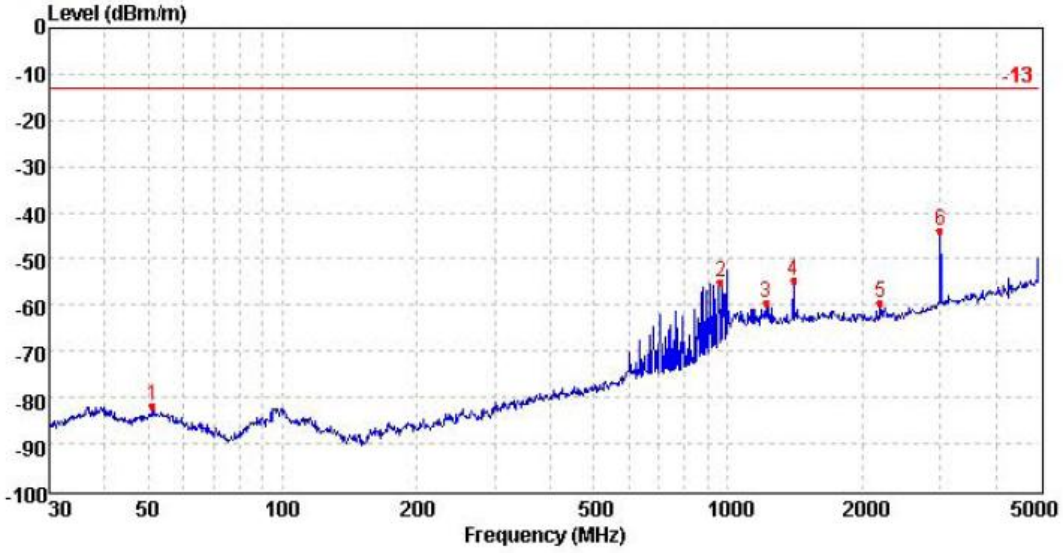

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 98.82 | -81.35 | 25.92 | 1.14 | 29.09 | -83.38 | -13.00 | -70.38 | Peak |
| 2 | 883.67 | -67.05 | 34.98 | 3.70 | 28.06 | -56.43 | -13.00 | -43.43 | Peak |
| 3 | 1152.15 | -65.79 | 38.93 | 4.55 | 36.59 | -58.90 | -13.00 | -45.90 | Peak |
| 4 | 1762.13 | -71.03 | 40.61 | 5.89 | 37.06 | -61.59 | -13.00 | -48.59 | Peak |
| 5 | 2987.44 | -55.94 | 43.26 | 7.47 | 38.24 | -43.45 | -13.00 | -30.45 | Peak |
| 6 | 4249.85 | -69.60 | 45.16 | 8.99 | 37.63 | -53.08 | -13.00 | -40.08 | Peak |

| Test Frequency: | $CH_{L1}$ | Polarity: | Vertical |
|---|---|---|---|



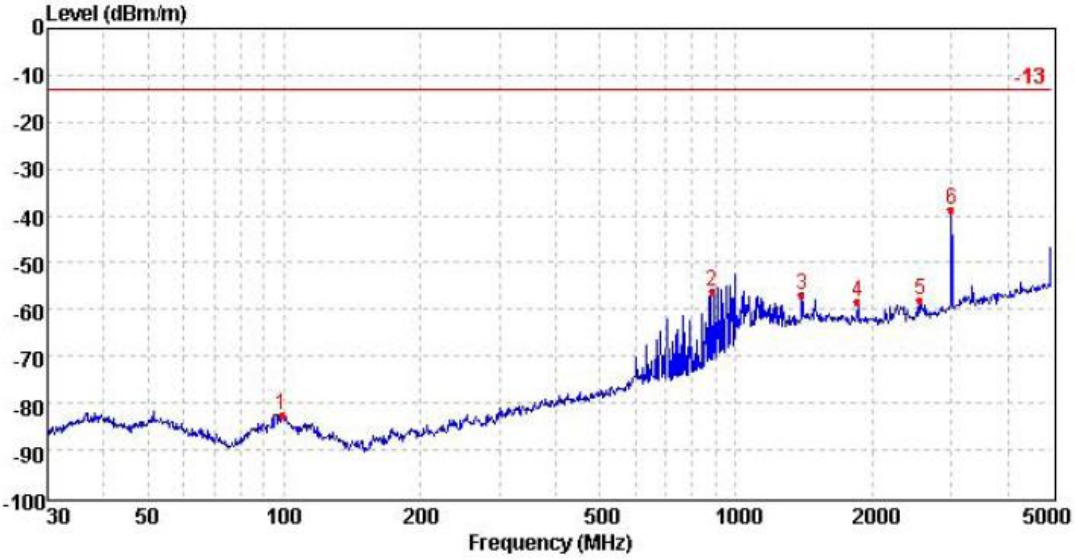

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 99.17 | -78.88 | 25.92 | 1.14 | 29.10 | -80.92 | -13.00 | -67.92 | Peak |
| 2 | 883.67 | -63.39 | 34.98 | 3.70 | 28.06 | -52.77 | -13.00 | -39.77 | Peak |
| 3 | 1393.12 | -68.67 | 39.73 | 4.99 | 36.46 | -60.41 | -13.00 | -47.41 | Peak |
| 4 | 1928.32 | -71.66 | 40.91 | 6.16 | 37.24 | -61.83 | -13.00 | -48.83 | Peak |
| 5 | 2987.44 | -58.80 | 43.26 | 7.47 | 38.24 | -46.31 | -13.00 | -33.31 | Peak |
| 6 | 3959.31 | -72.67 | 44.63 | 8.72 | 38.13 | -57.45 | -13.00 | -44.45 | Peak |

| TX2 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{H1}$ | Polarity: | Horizontal |



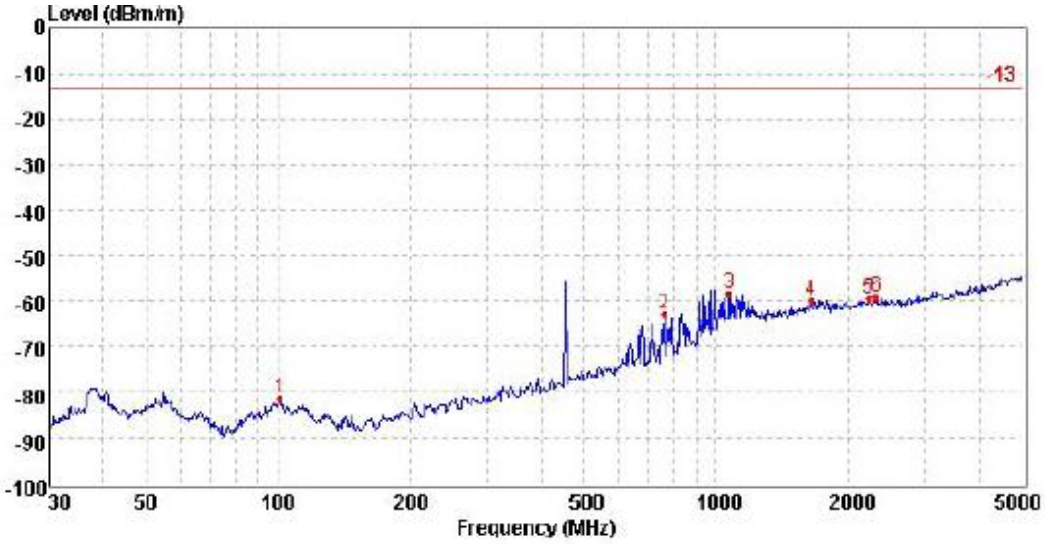

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 51.20 | -79.58 | 26.09 | 0.85 | 29.26 | -81.90 | -13.00 | -68.90 | Peak |
| 2 | 964.87 | -67.60 | 37.21 | 3.83 | 28.42 | -54.98 | -13.00 | -41.98 | Peak |
| 3 | 1218.92 | -66.77 | 39.18 | 4.69 | 36.56 | -59.46 | -13.00 | -46.46 | Peak |
| 4 | 1404.37 | -62.86 | 39.76 | 5.01 | 36.47 | -54.56 | -13.00 | -41.56 | Peak |
| 5 | 2193.30 | -70.33 | 41.59 | 6.43 | 37.34 | -59.65 | -13.00 | -46.65 | Peak |
| 6 | 2997.07 | -56.34 | 43.29 | 7.48 | 38.23 | -43.80 | -13.00 | -30.80 | Peak |

| Test Frequency: | $CH_{H1}$ | Polarity: | Vertical |
|---|---|---|---|



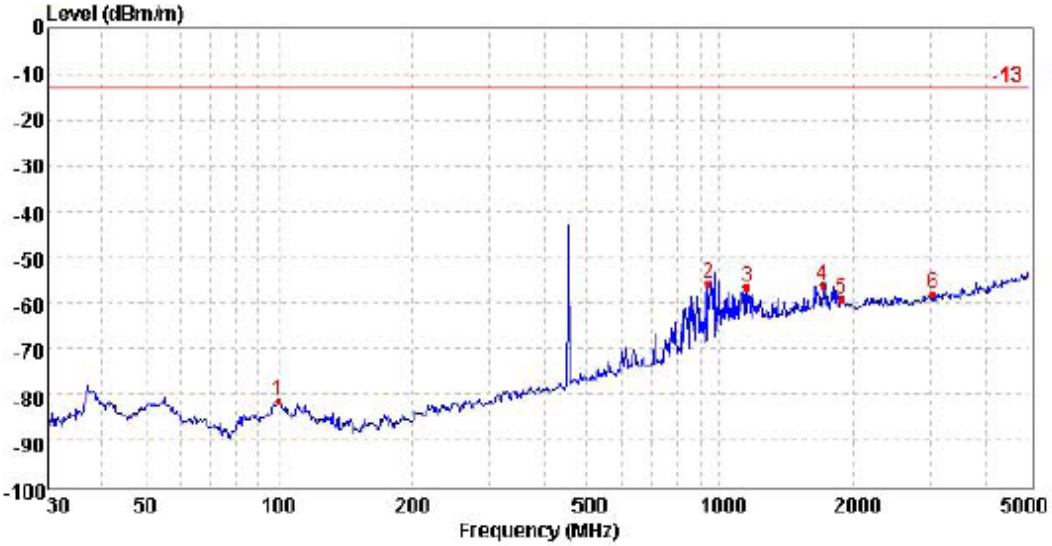

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 99.17 | -80.37 | 25.92 | 1.14 | 29.10 | -82.41 | -13.00 | -69.41 | Peak |
| 2 | 883.67 | -66.72 | 34.98 | 3.70 | 28.06 | -56.10 | -13.00 | -43.10 | Peak |
| 3 | 1395.36 | -65.07 | 39.73 | 4.99 | 36.46 | -56.81 | -13.00 | -43.81 | Peak |
| 4 | 1858.25 | -67.97 | 40.80 | 6.05 | 37.19 | -58.31 | -13.00 | -45.31 | Peak |
| 5 | 2551.53 | -69.36 | 42.47 | 6.88 | 37.85 | -57.86 | -13.00 | -44.86 | Peak |
| 6 | 2997.07 | -51.08 | 43.29 | 7.48 | 38.23 | -38.54 | -13.00 | -25.54 | Peak |

| TX1 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{L2}$ | Polarity: | Horizontal |



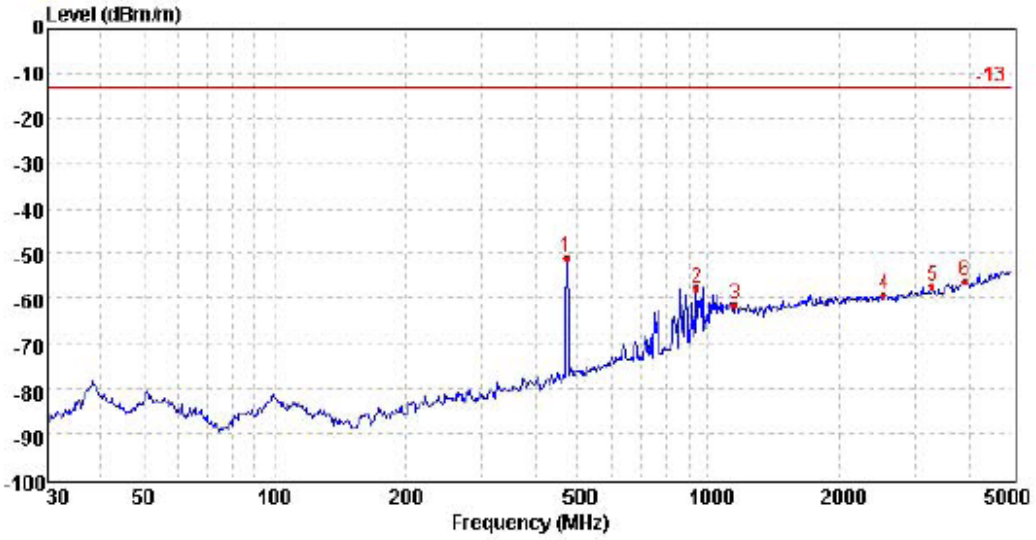

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 101.29 | -78.23 | 25.92 | 1.15 | 30.39 | -81.55 | -13.00 | -68.55 | Peak |
| 2 | 760.70 | -69.31 | 32.79 | 3.33 | 29.64 | -62.83 | -13.00 | -49.83 | Peak |
| 3 | 1069.93 | -64.54 | 38.62 | 4.37 | 36.64 | -58.19 | -13.00 | -45.19 | Peak |
| 4 | 1644.30 | -68.96 | 40.36 | 5.66 | 36.81 | -59.75 | -13.00 | -46.75 | Peak |
| 5 | 2225.30 | -70.19 | 41.67 | 6.48 | 37.41 | -59.45 | -13.00 | -46.45 | Peak |
| 6 | 2312.94 | -70.01 | 41.90 | 6.63 | 37.66 | -59.14 | -13.00 | -46.14 | Peak |

| Test Frequency: | $CH_{L2}$ | Polarity: | Vertical |
|---|---|---|---|



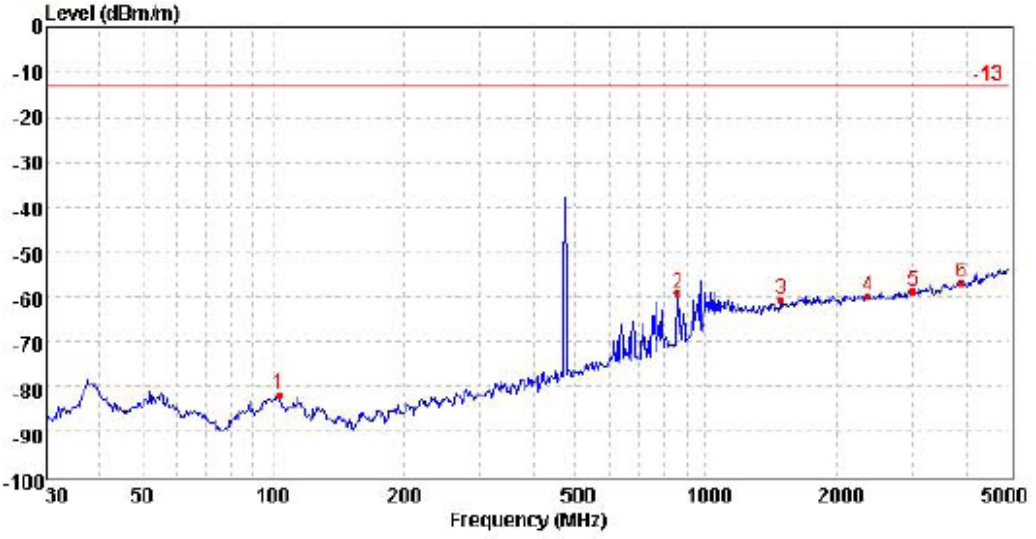

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 99.88 | -78.19 | 26.08 | 1.14 | 30.39 | -81.36 | -13.00 | -68.36 | Peak |
| 2 | 938.83 | -66.40 | 36.45 | 3.78 | 29.49 | -55.66 | -13.00 | -42.66 | Peak |
| 3 | 1152.15 | -63.33 | 38.93 | 4.55 | 36.59 | -56.44 | -13.00 | -43.44 | Peak |
| 4 | 1709.06 | -65.60 | 40.50 | 5.78 | 36.95 | -56.27 | -13.00 | -43.27 | Peak |
| 5 | 1882.33 | -68.66 | 40.84 | 6.09 | 37.21 | -58.94 | -13.00 | -45.94 | Peak |
| 6 | 3021.29 | -70.53 | 43.31 | 7.51 | 38.23 | -57.94 | -13.00 | -44.94 | Peak |

| TX1 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{M2}$ | Polarity: | Horizontal |



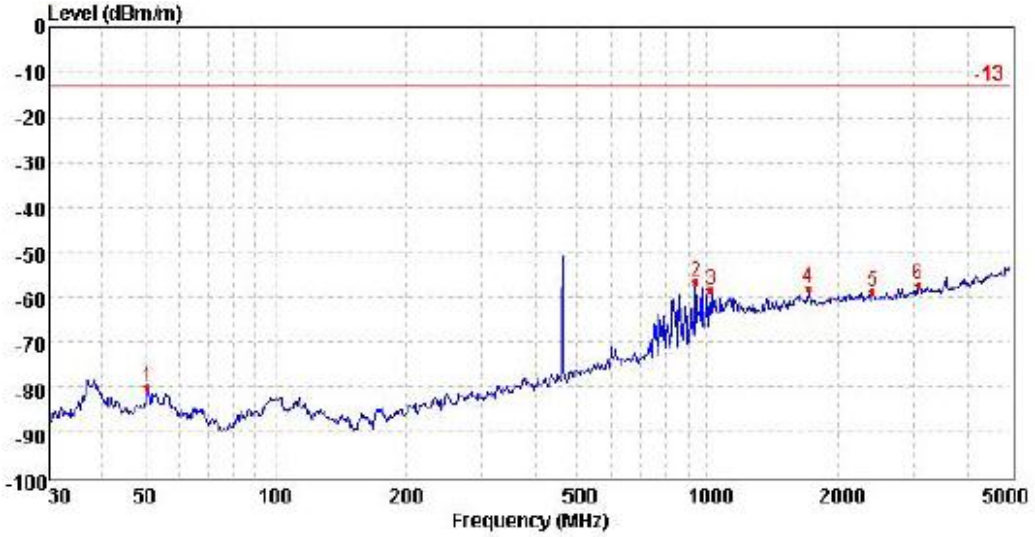

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 472.18 | -52.60 | 29.39 | 2.55 | 30.12 | -50.78 | -13.00 | -37.78 | Peak |
| 2 | 938.83 | -68.46 | 36.45 | 3.78 | 29.49 | -57.72 | -13.00 | -44.72 | Peak |
| 3 | 1152.15 | -68.10 | 38.93 | 4.55 | 36.59 | -61.21 | -13.00 | -48.21 | Peak |
| 4 | 2531.08 | -70.56 | 42.44 | 6.86 | 37.86 | -59.12 | -13.00 | -46.12 | Peak |
| 5 | 3274.47 | -70.45 | 43.56 | 7.81 | 38.33 | -57.41 | -13.00 | -44.41 | Peak |
| 6 | 3889.83 | -71.16 | 44.50 | 8.63 | 38.18 | -56.21 | -13.00 | -43.21 | Peak |

| Test Frequency: | $CH_{M2}$ | Polarity: | Vertical |
|---|---|---|---|



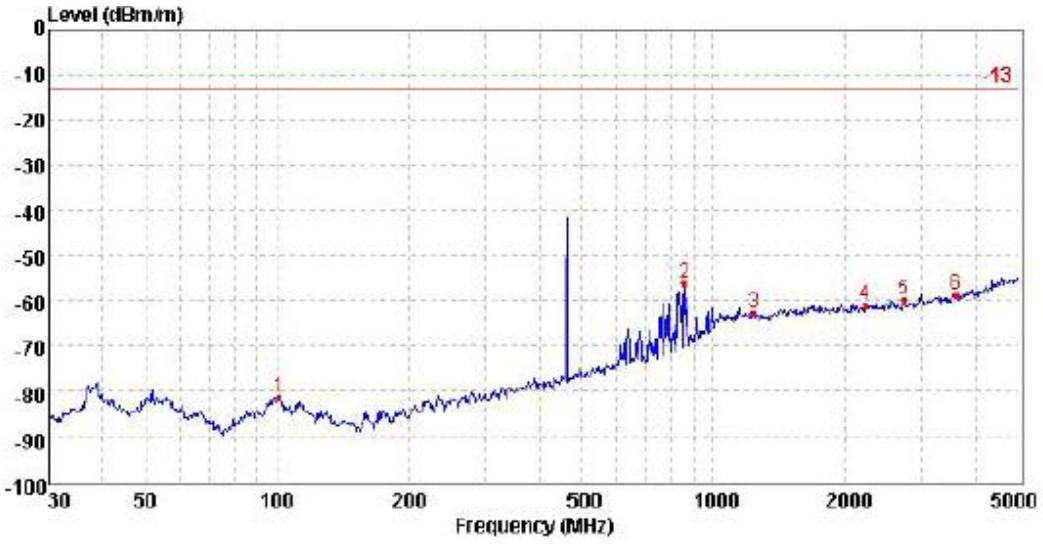

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 103.44 | -78.25 | 25.68 | 1.16 | 30.38 | -81.79 | -13.00 | -68.79 | Peak |
| 2 | 857.02 | -67.63 | 34.41 | 3.62 | 29.45 | -59.05 | -13.00 | -46.05 | Peak |
| 3 | 1485.75 | -69.30 | 40.01 | 5.24 | 36.57 | -60.62 | -13.00 | -47.62 | Peak |
| 4 | 2358.04 | -70.64 | 42.02 | 6.70 | 37.78 | -59.70 | -13.00 | -46.70 | Peak |
| 5 | 2992.26 | -71.24 | 43.26 | 7.48 | 38.24 | -58.74 | -13.00 | -45.74 | Peak |
| 6 | 3877.33 | -71.77 | 44.50 | 8.61 | 38.18 | -56.84 | -13.00 | -43.84 | Peak |

| TX1 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{H2}$ | Polarity: | Horizontal |



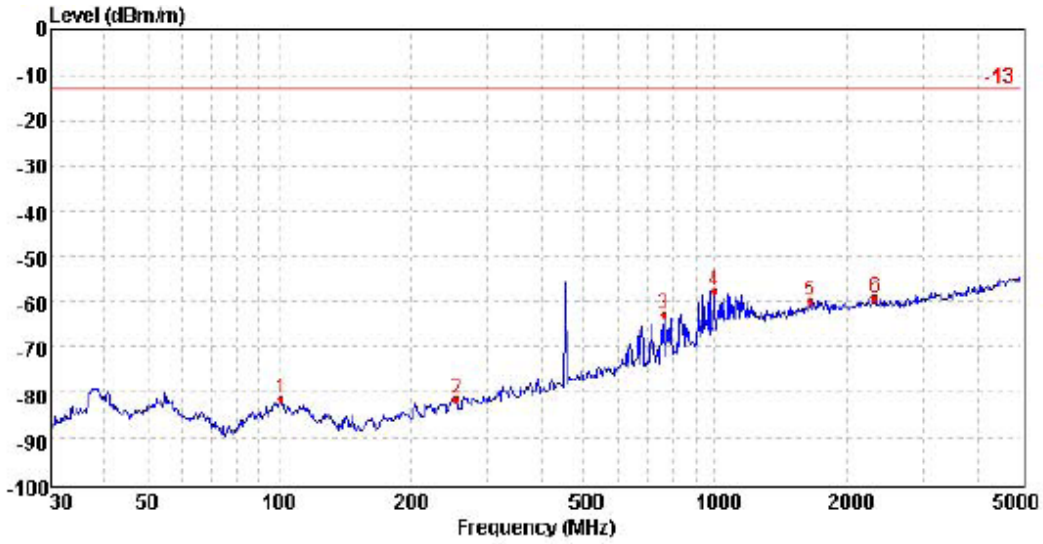

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.76 | -76.52 | 26.11 | 0.84 | 30.50 | -80.07 | -13.00 | -67.07 | Peak |
| 2 | 938.83 | -67.17 | 36.45 | 3.78 | 29.49 | -56.43 | -13.00 | -43.43 | Peak |
| 3 | 1016.23 | -64.21 | 38.40 | 4.25 | 36.66 | -58.22 | -13.00 | -45.22 | Peak |
| 4 | 1709.06 | -67.23 | 40.50 | 5.78 | 36.95 | -57.90 | -13.00 | -44.90 | Peak |
| 5 | 2396.30 | -69.78 | 42.14 | 6.76 | 37.89 | -58.77 | -13.00 | -45.77 | Peak |
| 6 | 3060.44 | -70.00 | 43.35 | 7.55 | 38.22 | -57.32 | -13.00 | -44.32 | Peak |

| Test Frequency: | $CH_{H2}$ | Polarity: | Vertical |
|---|---|---|---|



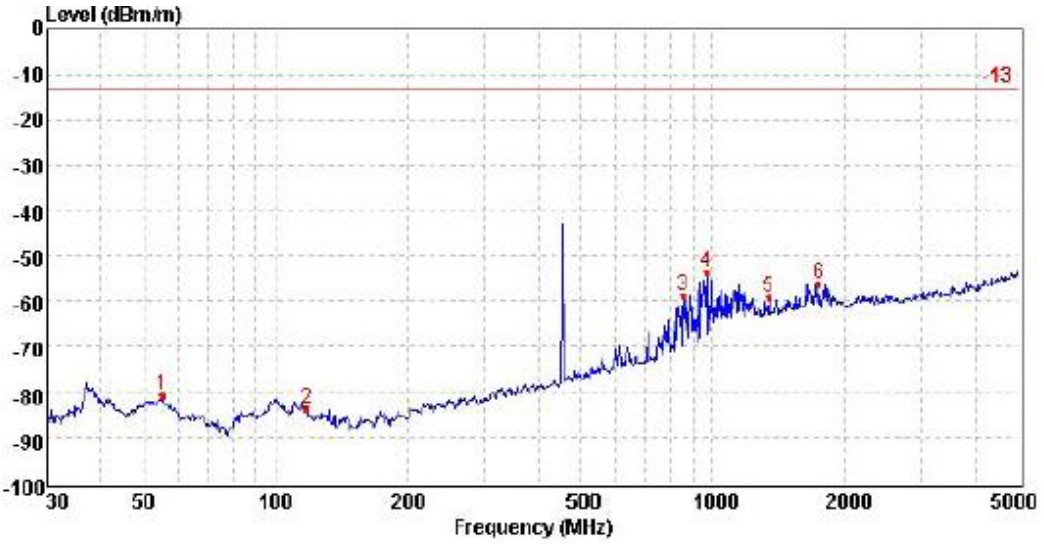

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 101.29 | -77.93 | 25.92 | 1.15 | 30.39 | -81.25 | -13.00 | -68.25 | Peak |
| 2 | 857.02 | -64.75 | 34.41 | 3.62 | 29.45 | -56.17 | -13.00 | -43.17 | Peak |
| 3 | 1232.73 | -70.06 | 39.20 | 4.72 | 36.55 | -62.69 | -13.00 | -49.69 | Peak |
| 4 | 2225.30 | -71.79 | 41.67 | 6.48 | 37.41 | -61.05 | -13.00 | -48.05 | Peak |
| 5 | 2734.36 | -71.76 | 42.83 | 7.22 | 38.19 | -59.90 | -13.00 | -46.90 | Peak |
| 6 | 3589.07 | -72.79 | 43.95 | 8.25 | 38.29 | -58.88 | -13.00 | -45.88 | Peak |

| TX2 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{L2}$ | Polarity: | Horizontal |



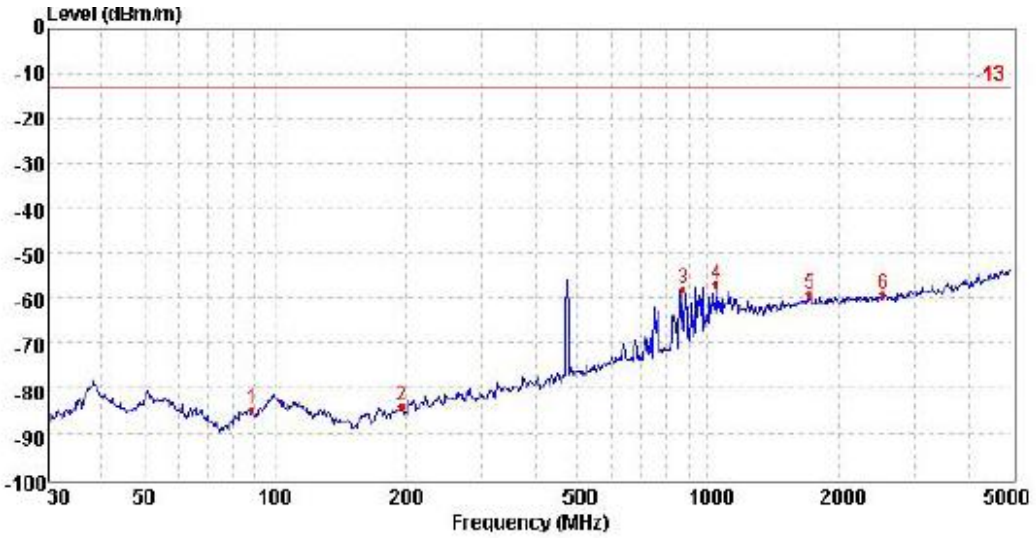

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 101.37 | -78.23 | 25.92 | 1.15 | 30.39 | -81.55 | -13.00 | -68.55 | Peak |
| 2 | 254.60 | -78.07 | 25.13 | 1.84 | 30.21 | -81.31 | -13.00 | -68.31 | Peak |
| 3 | 760.90 | -69.31 | 32.79 | 3.33 | 29.64 | -62.83 | -13.00 | -49.83 | Peak |
| 4 | 992.81 | -70.11 | 38.15 | 3.89 | 29.49 | -57.56 | -13.00 | -44.56 | Peak |
| 5 | 1647.51 | -73.22 | 40.38 | 5.20 | 32.11 | -59.75 | -13.00 | -46.75 | Peak |
| 6 | 2321.09 | -77.86 | 41.94 | 6.40 | 29.62 | -59.14 | -13.00 | -46.14 | Peak |

| Test Frequency: | $CH_{L2}$ | Polarity: | Vertical |
|---|---|---|---|



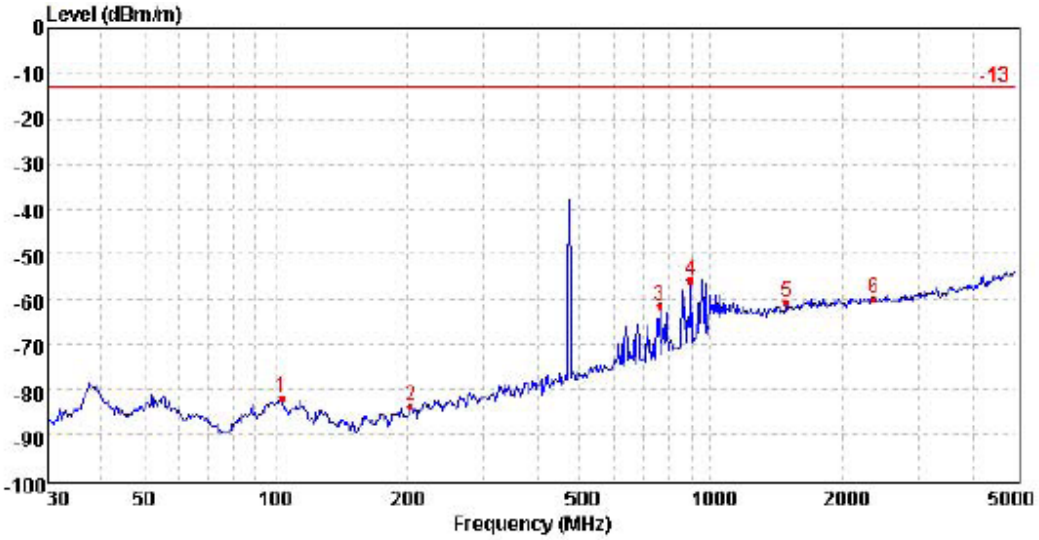

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.15 | -76.99 | 25.88 | 0.88 | 30.51 | -80.74 | -13.00 | -67.74 | Peak |
| 2 | 117.59 | -78.67 | 24.17 | 1.23 | 30.35 | -83.62 | -13.00 | -70.62 | Peak |
| 3 | 855.92 | -67.42 | 34.41 | 3.62 | 29.44 | -58.83 | -13.00 | -45.83 | Peak |
| 4 | 967.74 | -65.41 | 37.40 | 3.83 | 29.47 | -53.65 | -13.00 | -40.65 | Peak |
| 5 | 1342.63 | -73.71 | 39.57 | 4.60 | 29.53 | -59.07 | -13.00 | -46.07 | Peak |
| 6 | 1742.89 | -70.57 | 40.57 | 5.38 | 31.59 | -56.21 | -13.00 | -43.21 | Peak |

| TX2 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{M2}$ | Polarity: | Horizontal |



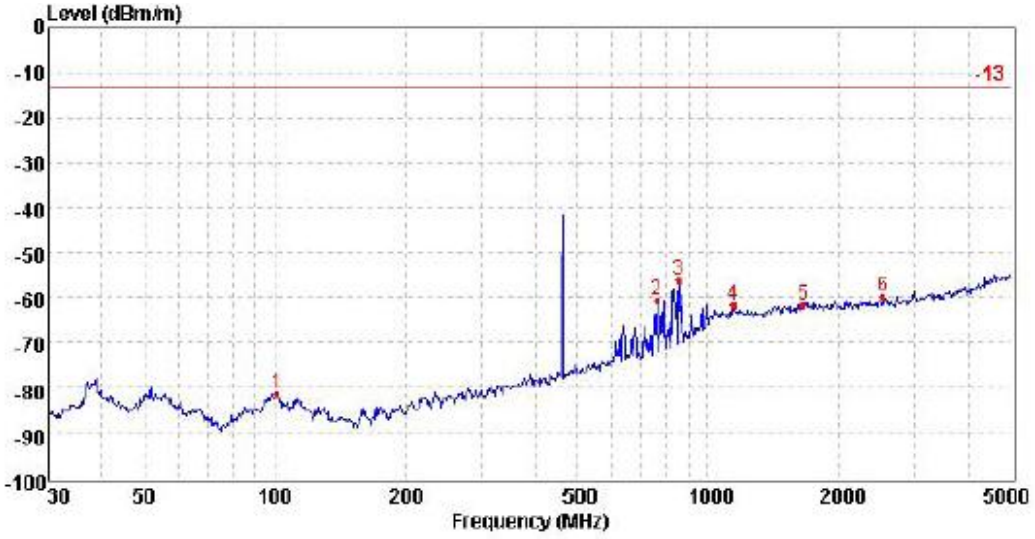

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 88.75 | -79.73 | 24.45 | 1.08 | 30.42 | -84.62 | -13.00 | -71.62 | Peak |
| 2 | 196.13 | -78.87 | 23.44 | 1.61 | 30.33 | -84.15 | -13.00 | -71.15 | Peak |
| 3 | 873.61 | -66.86 | 34.75 | 3.67 | 29.51 | -57.95 | -13.00 | -44.95 | Peak |
| 4 | 1044.92 | -69.90 | 38.51 | 3.99 | 29.56 | -56.96 | -13.00 | -43.96 | Peak |
| 5 | 1716.34 | -72.77 | 40.52 | 5.31 | 32.27 | -59.21 | -13.00 | -46.21 | Peak |
| 6 | 2532.00 | -80.29 | 42.44 | 6.82 | 28.09 | -59.12 | -13.00 | -46.12 | Peak |

| Test Frequency: | $CH_{M2}$ | Polarity: | Vertical |
|---|---|---|---|



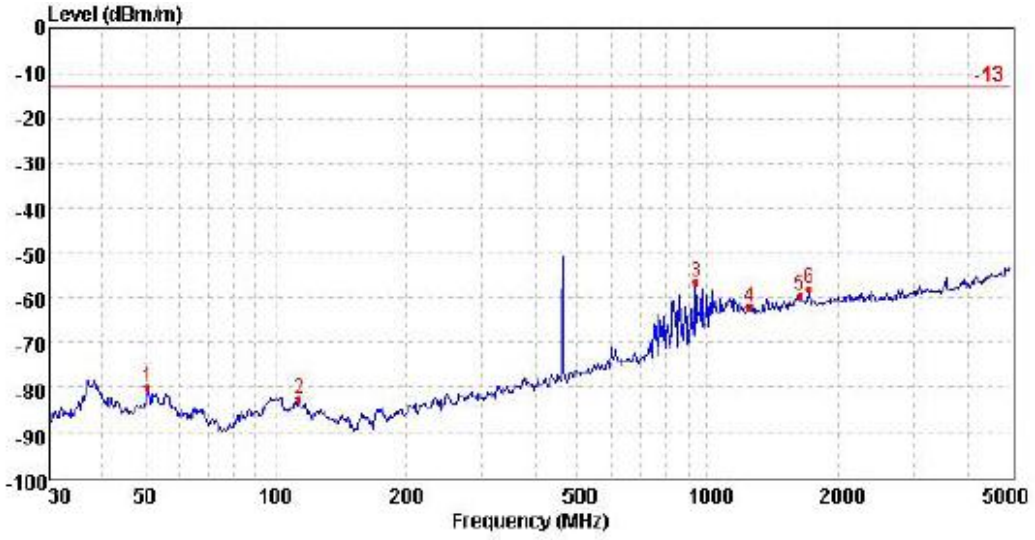

| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 103.47 | -78.25 | 25.68 | 1.16 | 30.38 | -81.79 | -13.00 | -68.79 | Peak |
| 2 | 204.32 | -78.62 | 23.72 | 1.64 | 30.31 | -83.57 | -13.00 | -70.57 | Peak |
| 3 | 760.90 | -67.98 | 32.79 | 3.33 | 29.64 | -61.50 | -13.00 | -48.50 | Peak |
| 4 | 896.25 | -65.18 | 35.21 | 3.74 | 29.59 | -55.82 | -13.00 | -42.82 | Peak |
| 5 | 1487.28 | -76.07 | 40.01 | 5.02 | 29.58 | -60.62 | -13.00 | -47.62 | Peak |
| 6 | 2356.99 | -78.86 | 42.02 | 6.51 | 29.37 | -59.70 | -13.00 | -46.70 | Peak |

| TX2 | | | |
|---|---|---|---|
| Test Frequency: | $CH_{H2}$ | Polarity: | Horizontal |




| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 101.37 | -107.17 | 25.92 | -500.00 | -500.00 | -81.25 | -13.00 | -68.25 | Peak |
| 2 | 760.90 | -93.49 | 32.79 | -500.00 | -500.00 | -60.70 | -13.00 | -47.70 | Peak |
| 3 | 855.92 | -90.58 | 34.41 | -500.00 | -500.00 | -56.17 | -13.00 | -43.17 | Peak |
| 4 | 1145.72 | -68.67 | 38.90 | 4.54 | 36.60 | -61.83 | -13.00 | -48.83 | Peak |
| 5 | 1655.96 | -70.79 | 40.38 | 5.68 | 36.84 | -61.57 | -13.00 | -48.57 | Peak |
| 6 | 2532.00 | -71.47 | 42.44 | 6.86 | 37.86 | -60.03 | -13.00 | -47.03 | Peak |

| Test Frequency: | $CH_{H2}$ | Polarity: | Vertical |
|---|---|---|---|




| Mark | Frequency MHz | Reading dBm | Antenna dB | Cable dB | Preamp dB | Level dBm | Limit dBm | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.81 | -106.18 | 26.11 | -500.00 | -500.00 | -80.07 | -13.00 | -67.07 | Peak |
| 2 | 113.45 | -106.98 | 24.57 | -500.00 | -500.00 | -82.41 | -13.00 | -69.41 | Peak |
| 3 | 938.48 | -92.88 | 36.45 | -500.00 | -500.00 | -56.43 | -13.00 | -43.43 | Peak |
| 4 | 1243.45 | -69.37 | 39.26 | 4.73 | 36.55 | -61.93 | -13.00 | -48.93 | Peak |
| 5 | 1630.74 | -68.85 | 40.34 | 5.63 | 36.78 | -59.66 | -13.00 | -46.66 | Peak |
| 6 | 1716.34 | -67.26 | 40.52 | 5.80 | 36.96 | -57.90 | -13.00 | -44.90 | Peak |

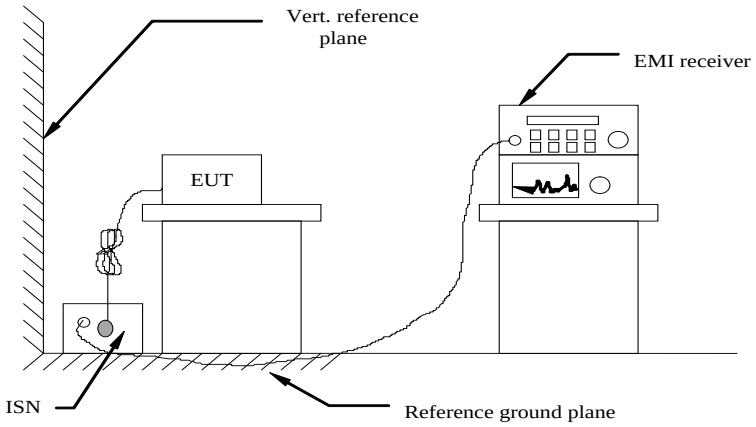
## 5.9. Conducted Emissions

**Limit**

**FCC part 15.107(a)**

| Frequency of Emission (MHz) | Conducted Limit (dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56 * | 56 to 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

**TEST CONFIGURATION**




**TEST PROCEDURE**

1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4-2014.
2 Support equipment, if needed, was placed as per ANSI C63.4-2014.
3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4-2014.
4 If a EUT received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5 All support equipments received AC power from a second LISN, if any
6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7 Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8 During the above scans, the emissions were maximized by cable manipulation.

**TEST MODE:**

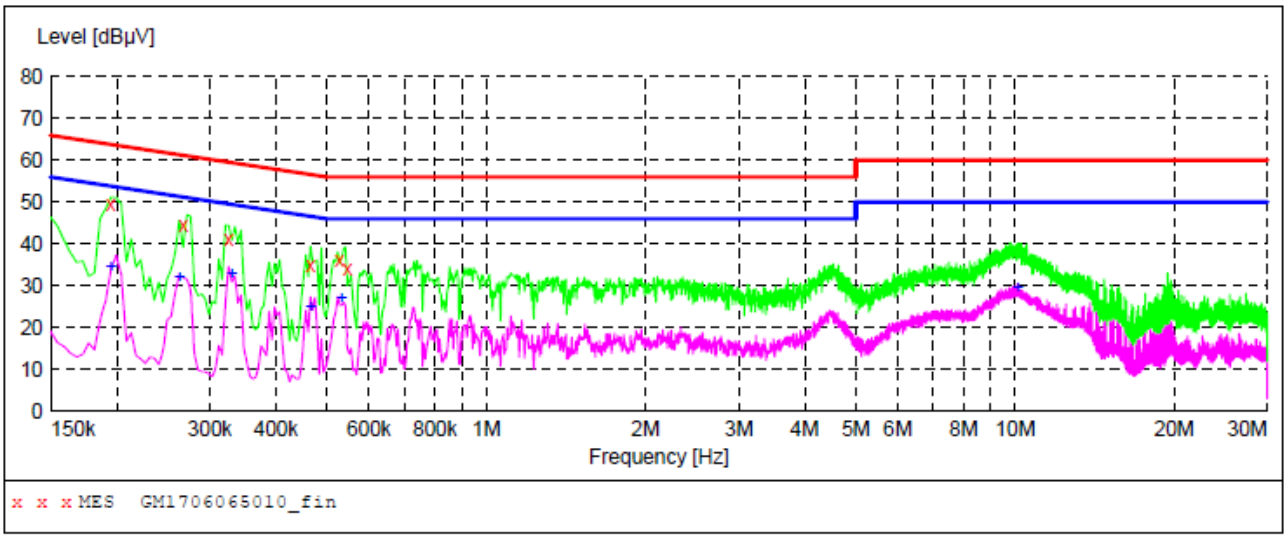
Please reference to the section 3.4

**TEST RESULTS**

☒ **Passed** ☐ **Not Applicable**

Note：
We tested all RX mode, recorded worst case for RX3.

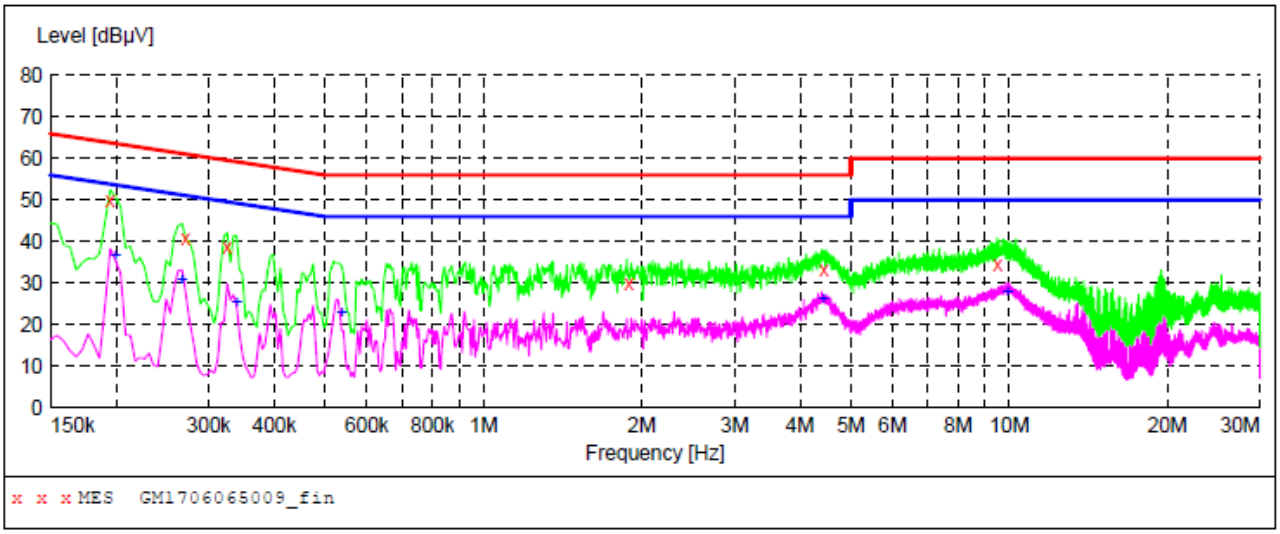
| Test mode: | RX3 | Polarization | N |
|---|---|---|---|




| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.195000 | 49.70 | 10.3 | 64 | 14.1 | QP | N | GND |
| 0.267000 | 44.40 | 10.3 | 61 | 16.8 | QP | N | GND |
| 0.325500 | 41.30 | 10.2 | 60 | 18.3 | QP | N | GND |
| 0.465000 | 35.10 | 10.2 | 57 | 21.5 | QP | N | GND |
| 0.528000 | 36.20 | 10.2 | 56 | 19.8 | QP | N | GND |
| 0.546000 | 34.20 | 10.2 | 56 | 21.8 | QP | N | GND |

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.195000 | 34.50 | 10.3 | 54 | 19.3 | AV | N | GND |
| 0.262500 | 32.10 | 10.3 | 51 | 19.3 | AV | N | GND |
| 0.330000 | 32.70 | 10.2 | 50 | 16.8 | AV | N | GND |
| 0.465000 | 25.10 | 10.2 | 47 | 21.5 | AV | N | GND |
| 0.532500 | 27.10 | 10.2 | 46 | 18.9 | AV | N | GND |
| 10.122000 | 29.30 | 10.6 | 50 | 20.7 | AV | N | GND |

| Test mode: | RX3 | Polarization | L1 |
|---|---|---|---|




| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.195000 | 50.00 | 10.3 | 64 | 13.8 | QP | L1 | GND |
| 0.271500 | 40.70 | 10.2 | 61 | 20.4 | QP | L1 | GND |
| 0.325500 | 38.50 | 10.2 | 60 | 21.1 | QP | L1 | GND |
| 1.891500 | 30.10 | 10.2 | 56 | 25.9 | QP | L1 | GND |
| 4.438500 | 33.10 | 10.3 | 56 | 22.9 | QP | L1 | GND |
| 9.514500 | 34.50 | 10.6 | 60 | 25.5 | QP | L1 | GND |

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.199500 | 36.70 | 10.3 | 54 | 16.9 | AV | L1 | GND |
| 0.267000 | 30.90 | 10.3 | 51 | 20.3 | AV | L1 | GND |
| 0.339000 | 25.20 | 10.2 | 49 | 24.0 | AV | L1 | GND |
| 0.537000 | 22.80 | 10.2 | 46 | 23.2 | AV | L1 | GND |
| 4.425000 | 26.10 | 10.3 | 46 | 19.9 | AV | L1 | GND |
| 9.910500 | 28.00 | 10.6 | 50 | 22.0 | AV | L1 | GND |

## 5.10. Radiated Emission

**LIMIT**

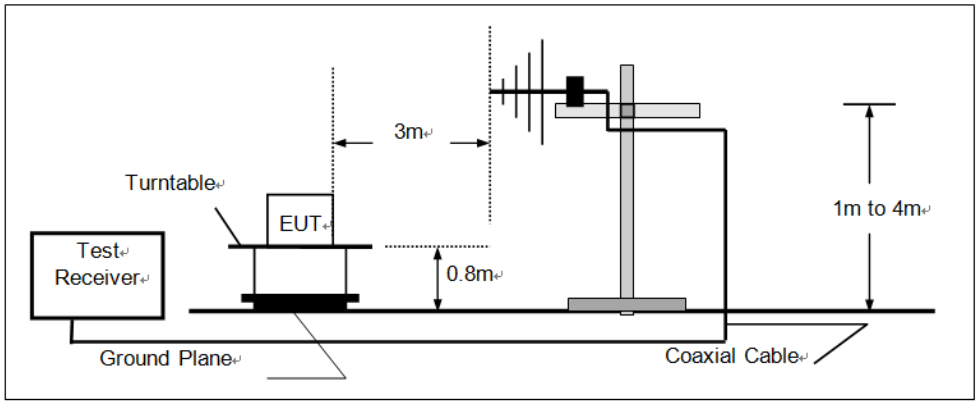
For unintentional device, according to § 15.109(a) except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values：

| Frequency (MHz) | Distance (Meters) | Radiated (dBμV/m) | Radiated (μV/m) |
|---|---|---|---|
| 30-88 | 3 | 40.0 | 100 |
| 88-216 | 3 | 43.5 | 150 |
| 216-960 | 3 | 46.0 | 200 |
| Above 960 | 3 | 54.0 | 500 |

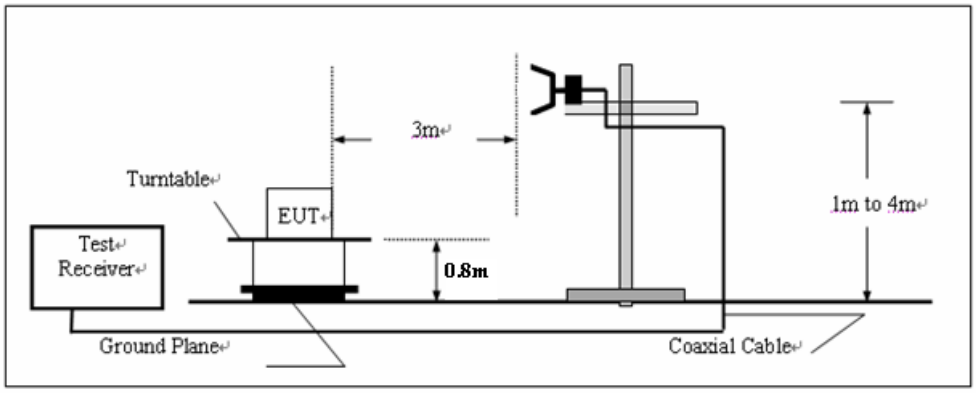
For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

**TEST CONFIGURATION**

(A) Radiated Emission Test Set-Up, Frequency below 1000MHz




(B) Radiated Emission Test Set-Up, Frequency above 1000MHz




**TEST PROCEDURE**

1 The EUT was placed on a turn table which is 0.8m above ground plane.
2 Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT
3 And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4 Repeat above procedures until all frequency measurements have been completed.

**TEST MODE:**

Please reference to the section 3.4

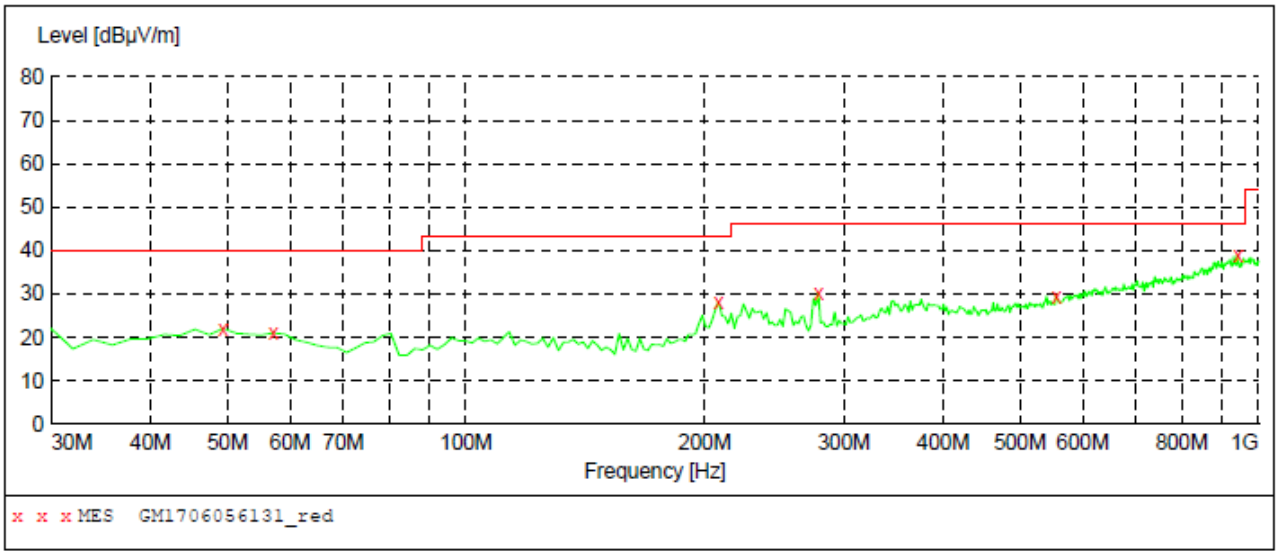
**TEST RESULTS**

☒ **Passed** ☐ **Not Applicable**

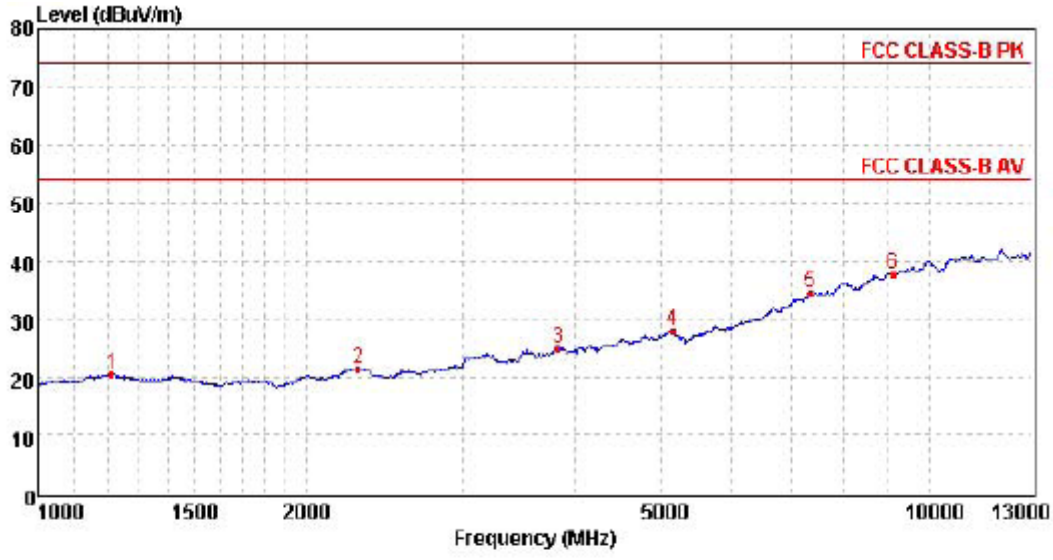
Please refer to the below test data:

Note：
We tested all RX mode, recorded worst case for RX3.

| Test mode: | RX3 | Polarity: | Horizontal |
|---|---|---|---|

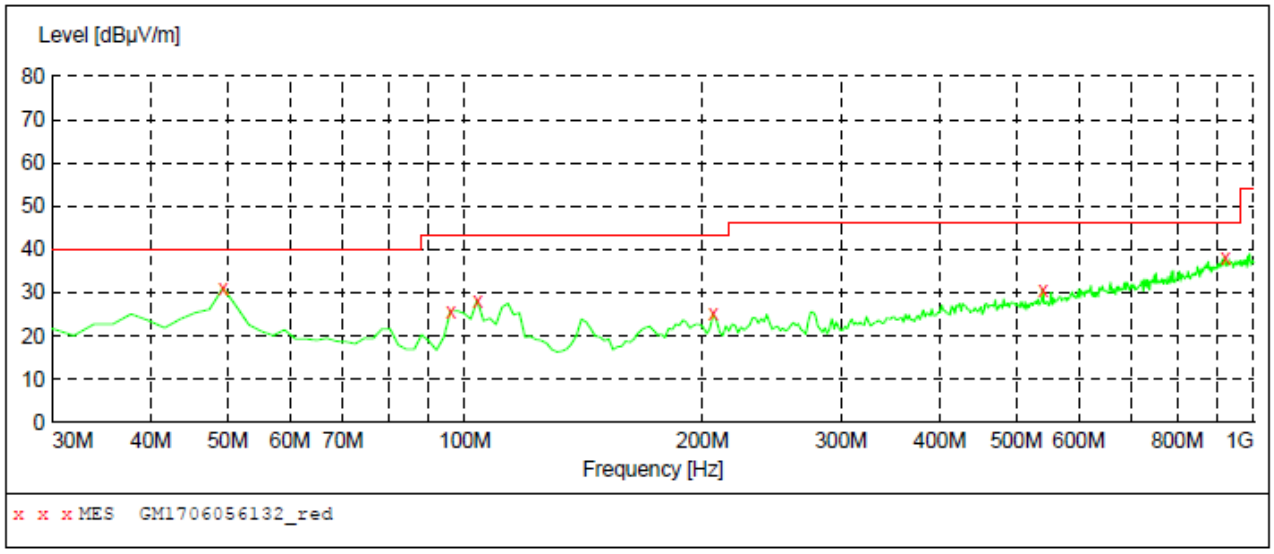



| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Det. | Height cm | Azimuth deg | Polarization |
|---|---|---|---|---|---|---|---|---|
| 49.400000 | 22.10 | -8.7 | 40.0 | 17.9 | QP | 300.0 | 71.00 | HORIZONTAL |
| 57.160000 | 21.10 | -9.4 | 40.0 | 18.9 | QP | 300.0 | 359.00 | HORIZONTAL |
| 208.480000 | 28.10 | -10.5 | 43.5 | 15.4 | QP | 100.0 | 250.00 | HORIZONTAL |
| 278.320000 | 30.20 | -7.8 | 46.0 | 15.8 | QP | 100.0 | 278.00 | HORIZONTAL |
| 555.740000 | 29.60 | -0.6 | 46.0 | 16.4 | QP | 300.0 | 152.00 | HORIZONTAL |
| 941.800000 | 38.90 | 7.2 | 46.0 | 7.1 | QP | 100.0 | 171.00 | HORIZONTAL |

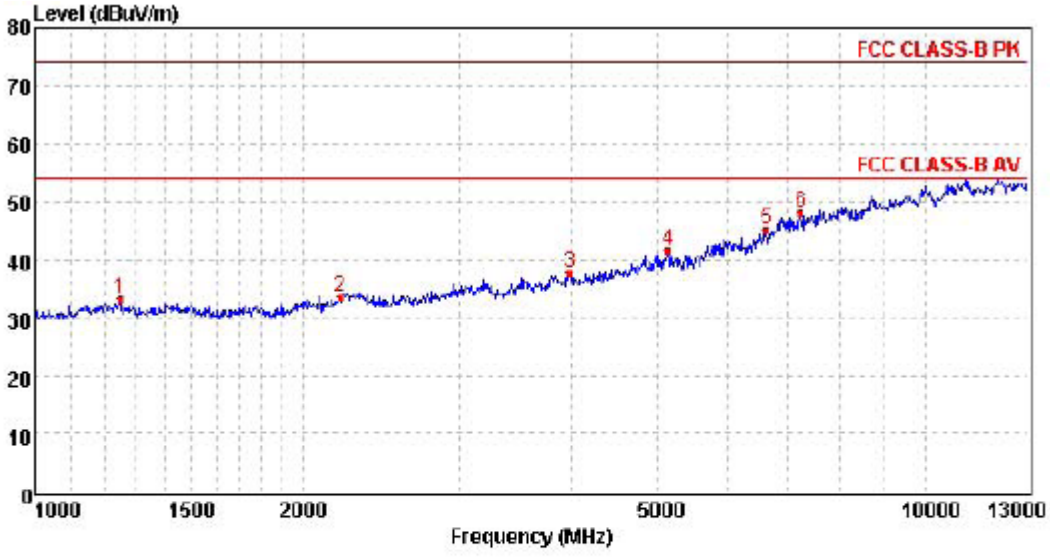



| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1212.12 | 26.06 | 26.29 | 4.68 | 36.56 | 20.47 | 54.00 | -33.53 | Average |
| 2 | 2289.83 | 24.52 | 28.04 | 6.59 | 37.59 | 21.56 | 54.00 | -32.44 | Average |
| 3 | 3834.48 | 24.92 | 29.63 | 8.55 | 38.21 | 24.89 | 54.00 | -29.11 | Average |
| 4 | 5150.03 | 22.70 | 31.70 | 9.79 | 36.25 | 27.94 | 54.00 | -26.06 | Average |
| 5 | 7356.11 | 21.07 | 36.30 | 12.02 | 34.88 | 34.51 | 54.00 | -19.49 | Average |
| 6 | 9101.34 | 21.30 | 38.21 | 13.41 | 35.14 | 37.78 | 54.00 | -16.22 | Average |

| Test mode: | RX3 | Polarity: | Vertical |
|---|---|---|---|



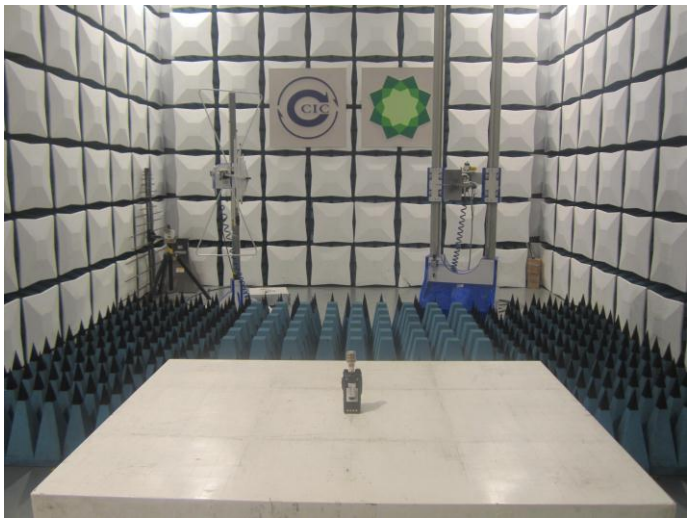

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Det. | Height cm | Azimuth deg | Polarization |
|---|---|---|---|---|---|---|---|---|
| 49.400000 | 31.20 | -8.7 | 40.0 | 8.8 | QP | 100.0 | 14.00 | VERTICAL |
| 95.960000 | 25.80 | -11.2 | 43.5 | 17.7 | QP | 100.0 | 119.00 | VERTICAL |
| 103.720000 | 28.30 | -10.5 | 43.5 | 15.2 | QP | 100.0 | 41.00 | VERTICAL |
| 206.540000 | 25.10 | -10.5 | 43.5 | 18.4 | QP | 100.0 | 53.00 | VERTICAL |
| 540.220000 | 30.80 | -1.0 | 46.0 | 15.2 | QP | 100.0 | 161.00 | VERTICAL |
| 920.460000 | 38.10 | 7.0 | 46.0 | 7.9 | QP | 100.0 | 360.00 | VERTICAL |




| Mark | Frequency MHz | Reading dBuV/m | Antenna dB | Cable dB | Preamp dB | Level dBuV/m | Limit dBuV/m | Over limit | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1246.81 | 38.99 | 26.25 | 4.74 | 36.54 | 33.44 | 74.00 | -40.56 | Peak |
| 2 | 2203.41 | 37.08 | 27.52 | 6.45 | 37.35 | 33.70 | 74.00 | -40.30 | Peak |
| 3 | 3984.88 | 37.39 | 29.70 | 8.76 | 38.12 | 37.73 | 74.00 | -36.27 | Peak |
| 4 | 5136.84 | 36.46 | 31.75 | 9.78 | 36.26 | 41.73 | 74.00 | -32.27 | Peak |
| 5 | 6621.80 | 34.94 | 34.20 | 11.39 | 35.32 | 45.21 | 74.00 | -28.79 | Peak |
| 6 | 7243.76 | 35.12 | 36.24 | 11.91 | 35.02 | 48.25 | 74.00 | -25.75 | Peak |

# 6. Test Setup Photos of the EUT

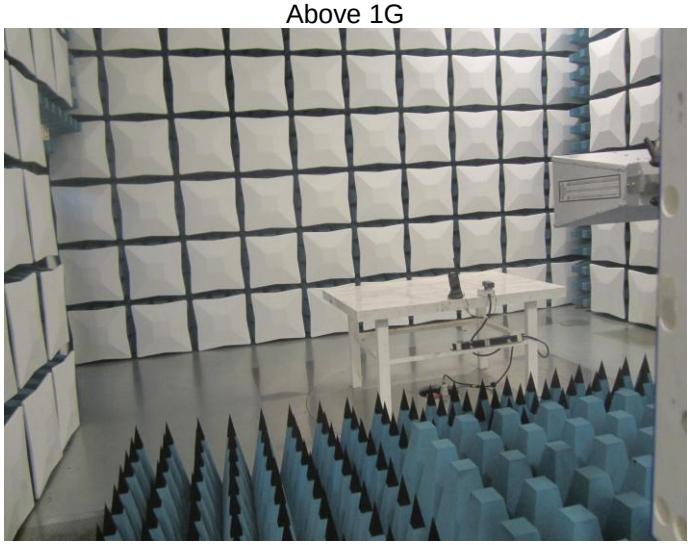
Transmitter Radiated Spurious Emission:



Radiated Emission:

30MHz-1GHz

Above 1G

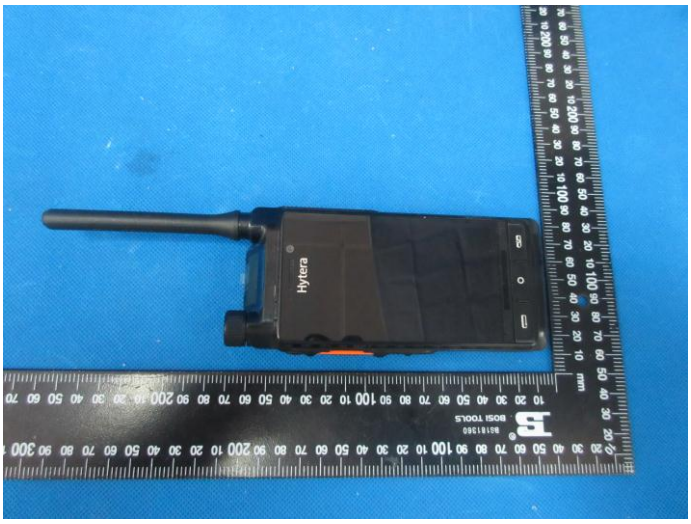


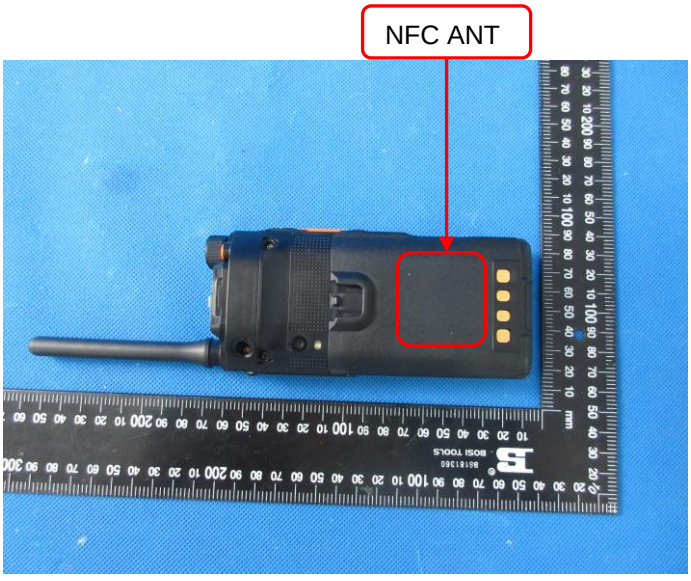
Conducted Emission:

Frequency Stability:

# 7. External and Internal Photos of the EUT

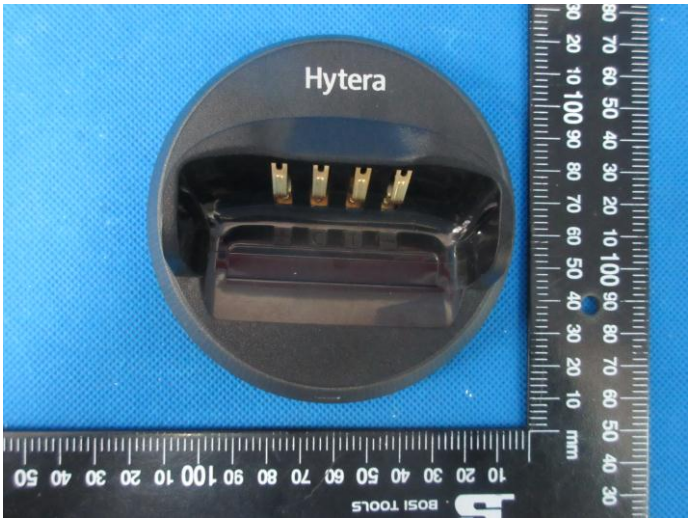
## External photos of the EUT



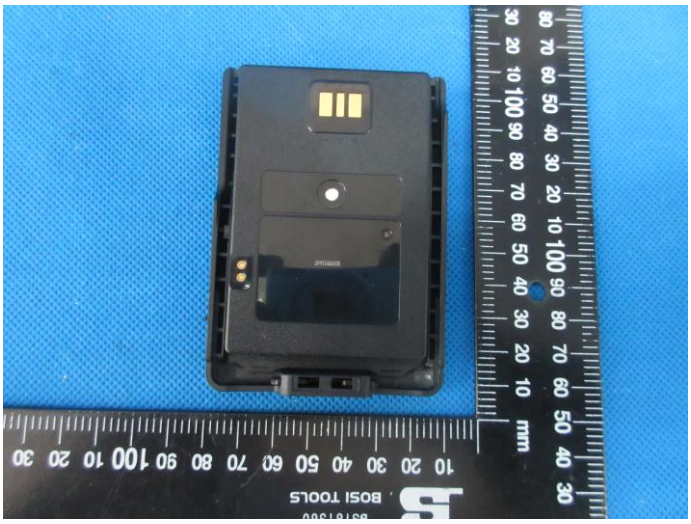



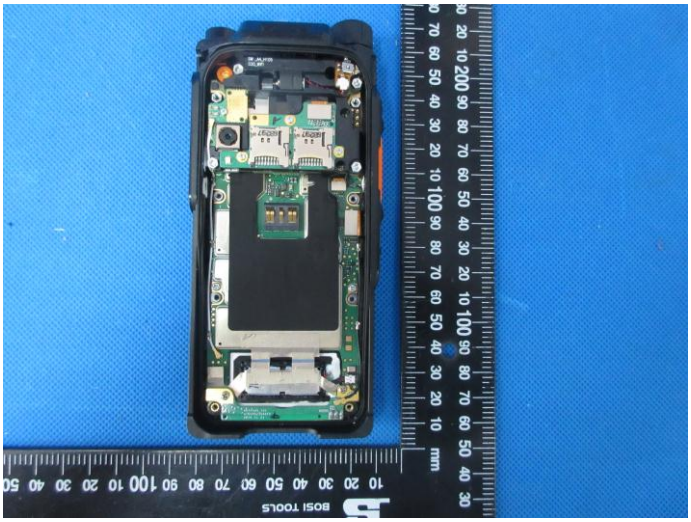

TETRA&GPS ANT

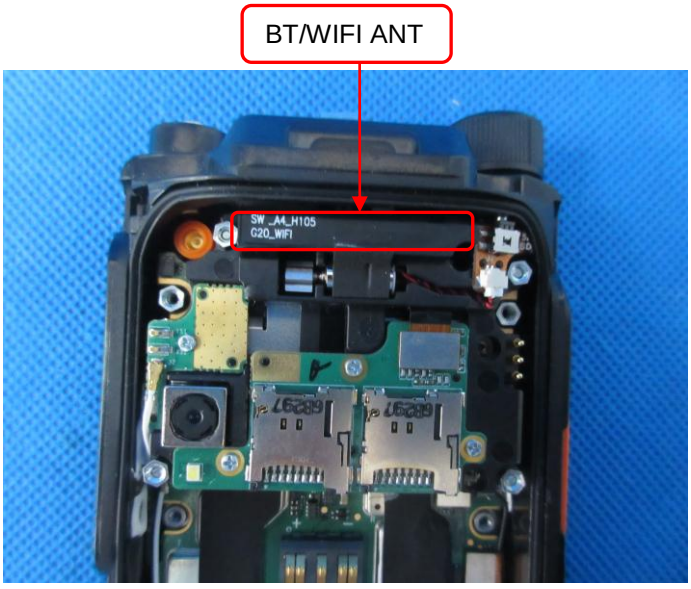

BOSI TOOLS
BS18136O

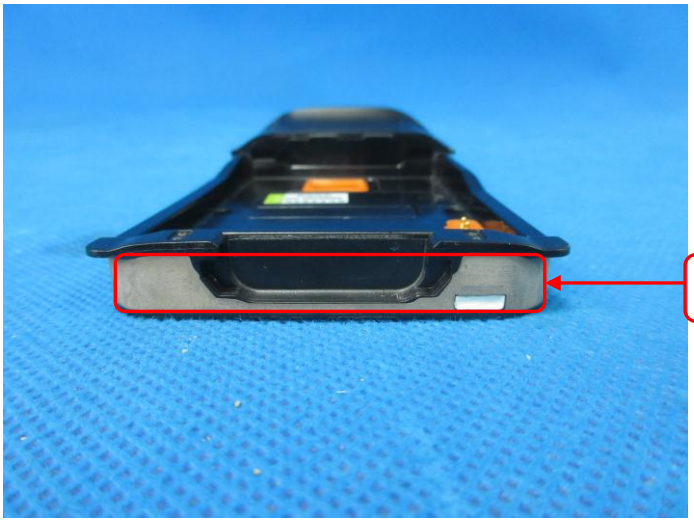

Hytera
mm

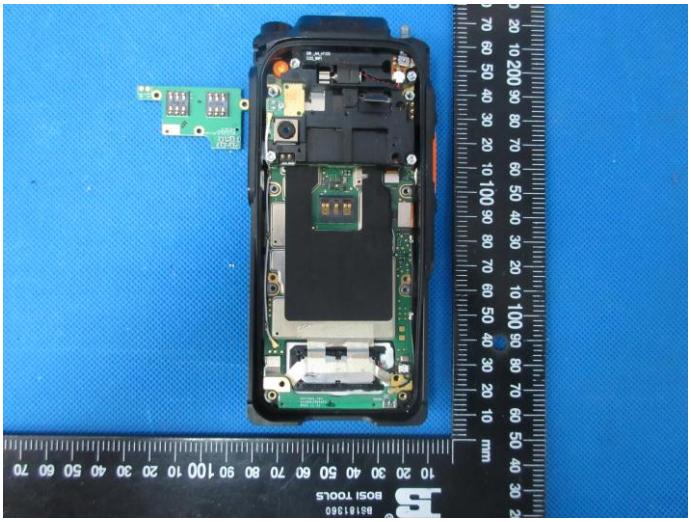
# Internal photos of the EUT

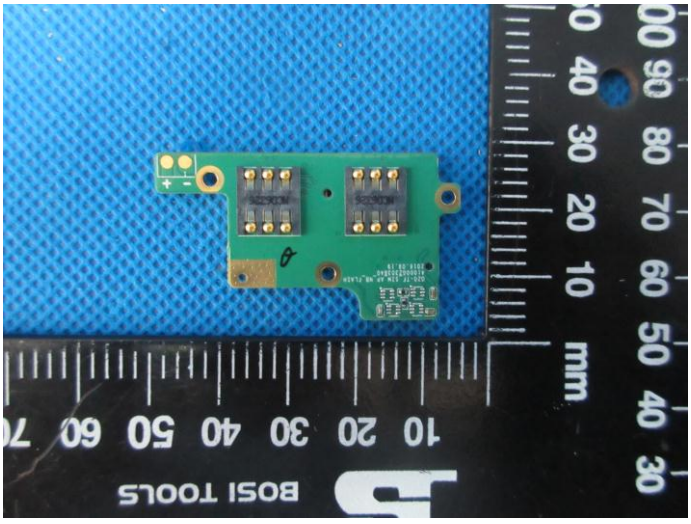


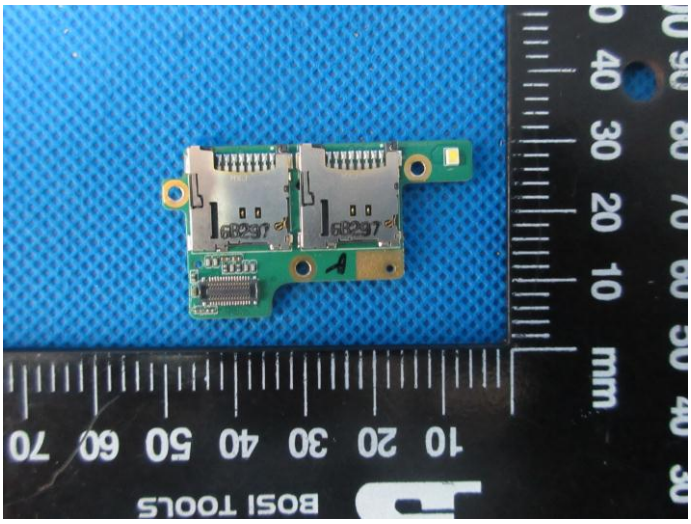


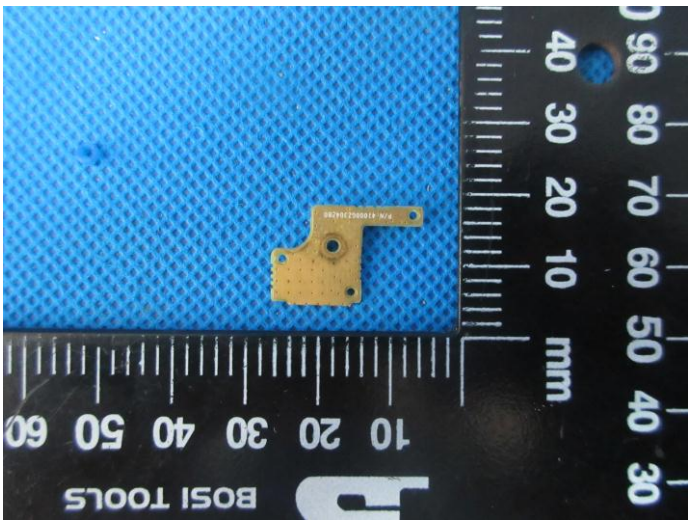

BT/WIFI ANT
SW_A4_H105
G20_WIFI

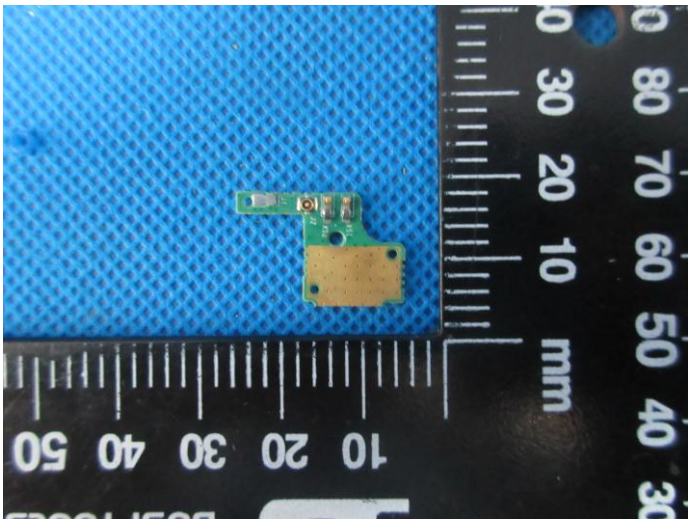

2G/3G/4G ANT

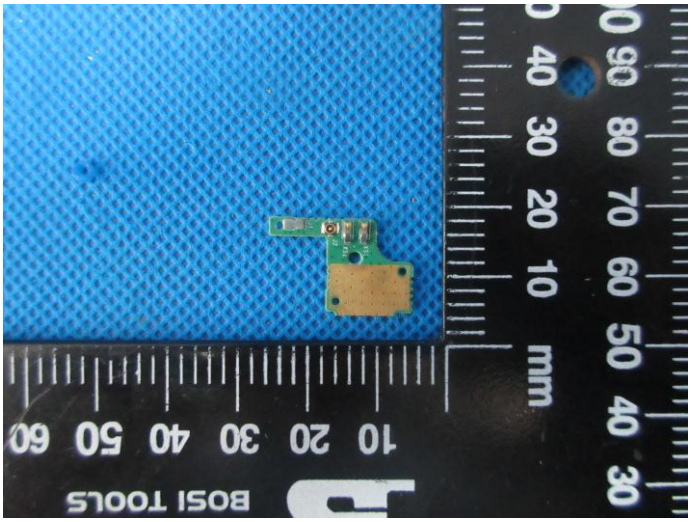


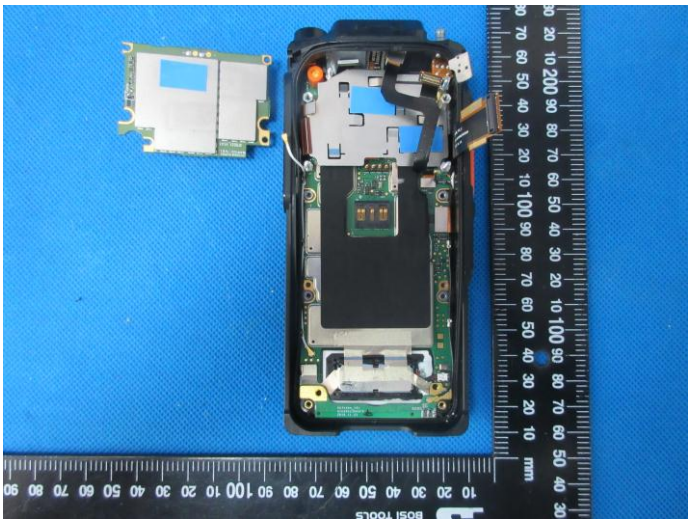


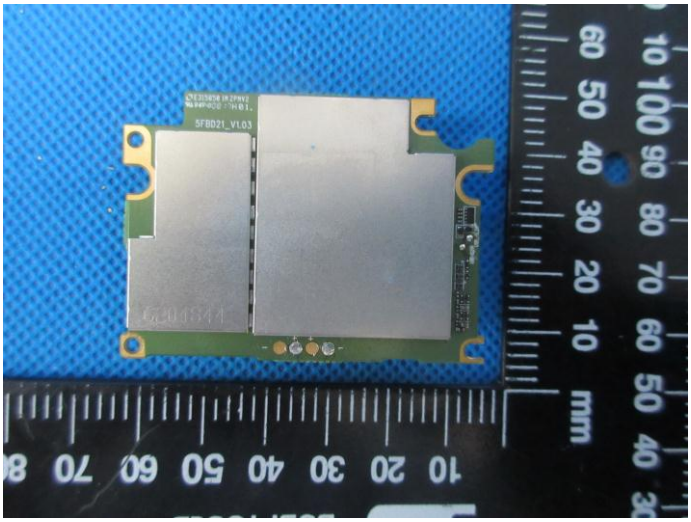


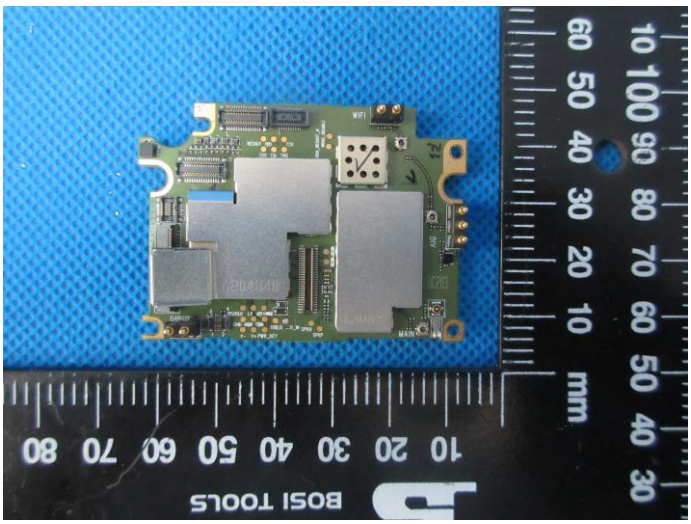


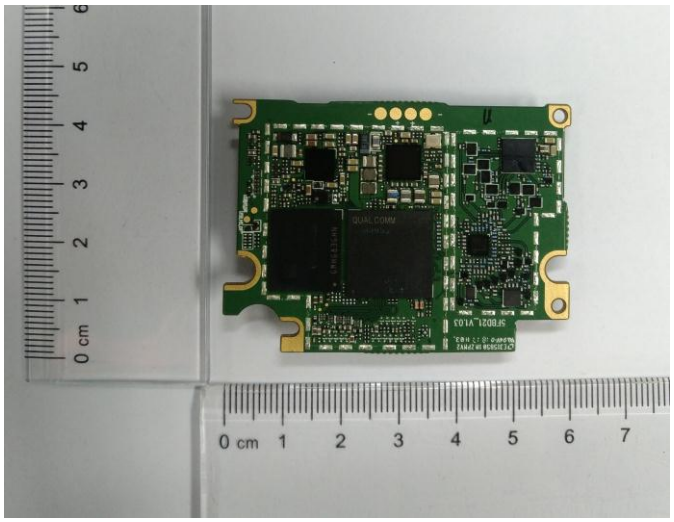


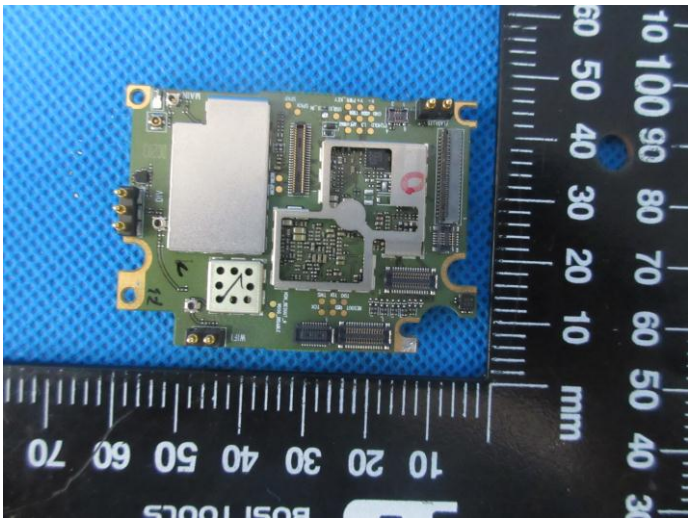


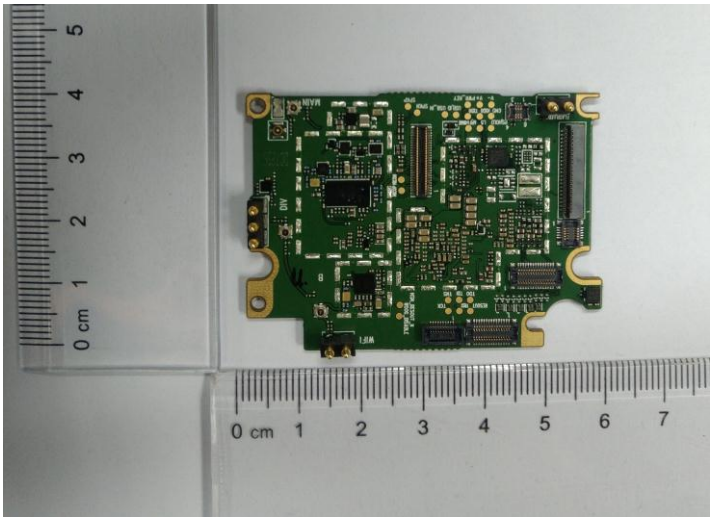


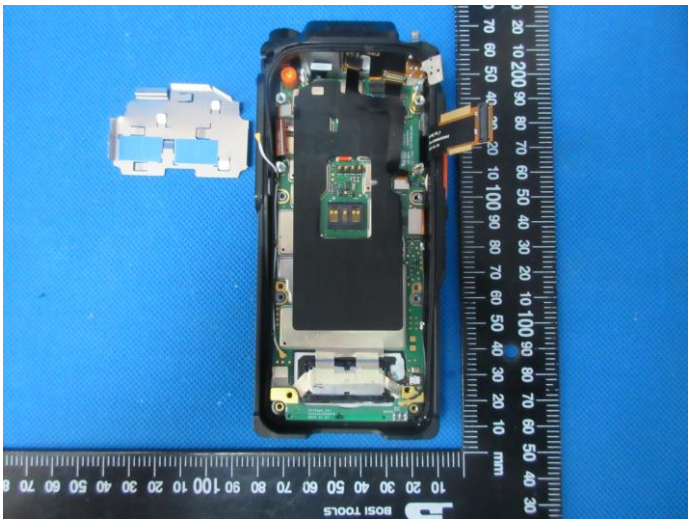


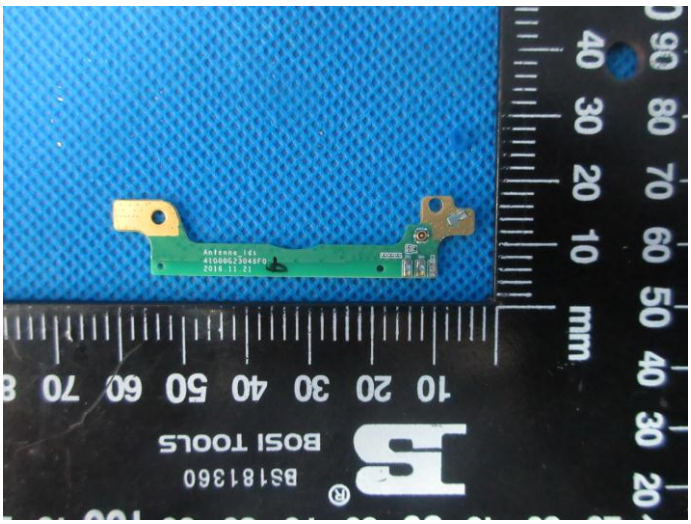


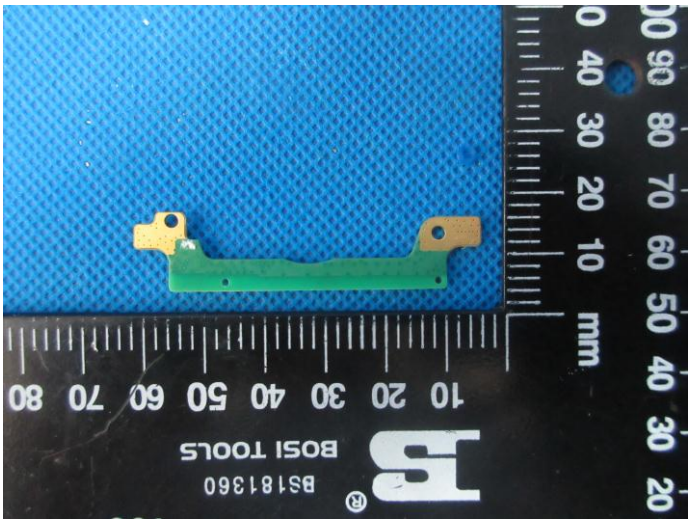


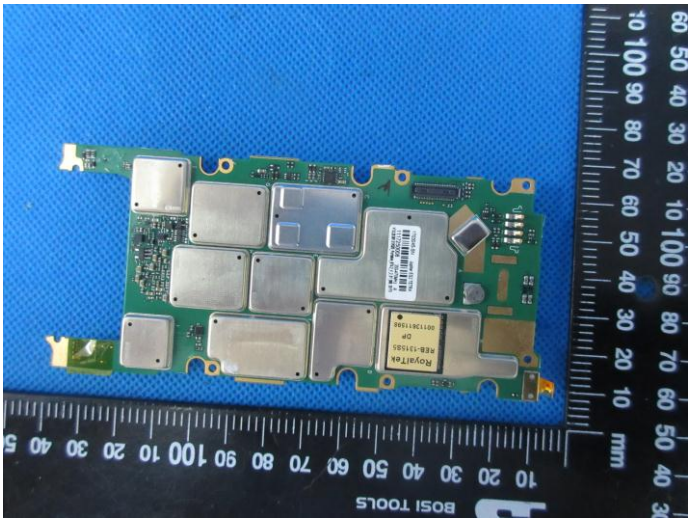


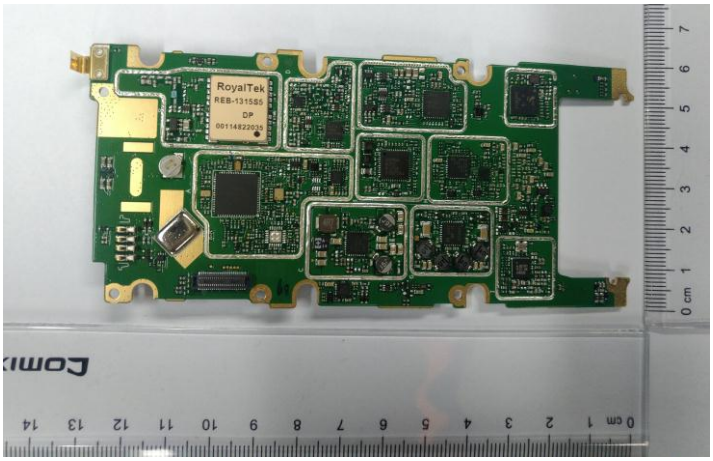







BOSI TOOLS
BS181360


BOSI TOOLS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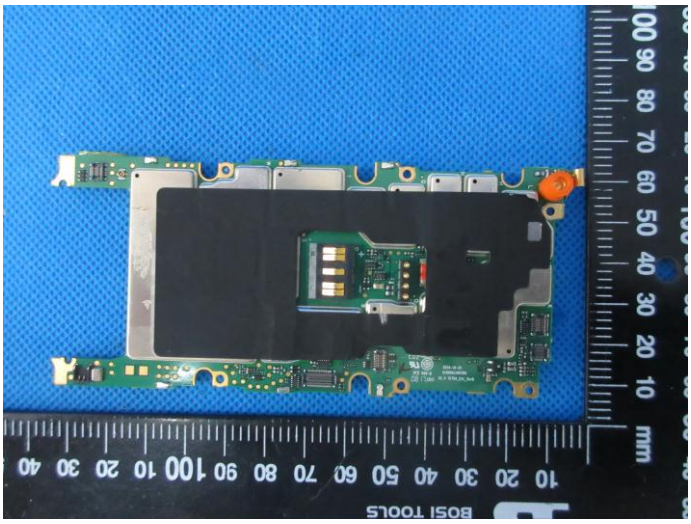
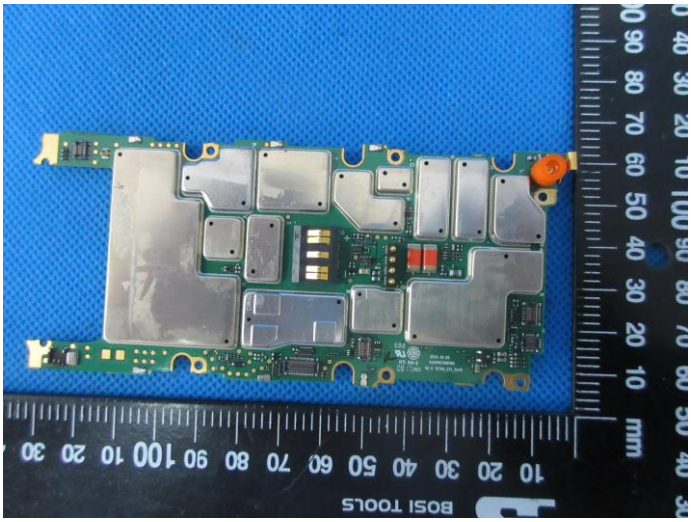
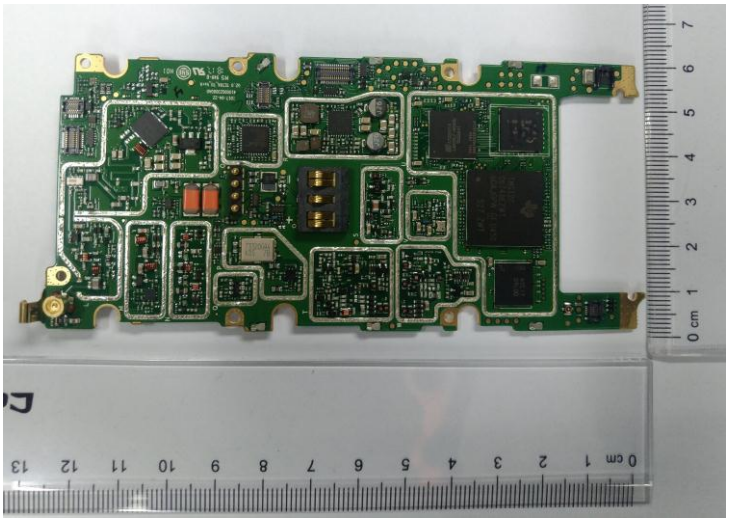
REB-131550
DP







. **.....End of Report.....**