

| Test Mode : $\pi/4$ DQPSK TX Low | | | | | | | | |
|-----------------------------------|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 4804 | V | 82.87 | -27.27 | 55.60 | 74.00 | -18.40 | Peak |
| 2 | 4804 | V | 63.54 | -27.27 | 36.27 | 54.00 | -17.73 | Avg |
| 3 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4804 | H | 83.60 | -27.27 | 56.33 | 74.00 | -17.67 | Peak |
| 6 | 4804 | H | 62.74 | -27.27 | 35.47 | 54.00 | -18.53 | Avg |
| 7 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : $\pi/4$ DQPSK TX Mid | | | | | | | | |
| 1 | 4882 | V | 85.58 | -27.79 | 57.79 | 74.00 | -16.21 | Peak |
| 2 | 4882 | V | 64.56 | -27.79 | 36.77 | 54.00 | -17.23 | Avg |
| 3 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4882 | H | 83.94 | -27.79 | 56.15 | 74.00 | -17.85 | Peak |
| 6 | 4882 | H | 66.03 | -27.79 | 38.24 | 54.00 | -15.76 | Avg |
| 7 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : $\pi/4$ DQPSK TX High | | | | | | | | |
| 1 | 4960 | V | 83.51 | -28.30 | 55.21 | 74.00 | -18.79 | Peak |
| 2 | 4960 | V | 67.03 | -28.30 | 38.73 | 54.00 | -15.27 | Avg |
| 3 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4960 | H | 81.82 | -28.30 | 53.52 | 74.00 | -20.48 | Peak |
| 6 | 4960 | H | 69.00 | -28.30 | 40.70 | 54.00 | -13.30 | Avg |
| 7 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| Note: | 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit. | | | | | | | |

| Test Mode : 8 DPSK TX Low | | | | | | | | |
|----------------------------|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 4804 | V | 85.57 | -27.27 | 58.30 | 74.00 | -15.70 | Peak |
| 2 | 4804 | V | 65.27 | -27.27 | 38.00 | 54.00 | -16.00 | Avg |
| 3 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4804 | H | 80.68 | -27.27 | 53.41 | 74.00 | -20.59 | Peak |
| 6 | 4804 | H | 63.40 | -27.27 | 36.13 | 54.00 | -17.87 | Avg |
| 7 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : 8 DPSK TX Mid | | | | | | | | |
| 1 | 4882 | V | 87.53 | -27.79 | 59.74 | 74.00 | -14.26 | Peak |
| 2 | 4882 | V | 67.26 | -27.79 | 39.47 | 54.00 | -14.53 | Avg |
| 3 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4882 | H | 84.37 | -27.79 | 56.58 | 74.00 | -17.42 | Peak |
| 6 | 4882 | H | 65.15 | -27.79 | 37.36 | 54.00 | -16.64 | Avg |
| 7 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : 8 DPSK TX High | | | | | | | | |
| 1 | 4960 | V | 86.11 | -28.30 | 57.81 | 74.00 | -16.19 | Peak |
| 2 | 4960 | V | 67.59 | -28.30 | 39.29 | 54.00 | -14.71 | Avg |
| 3 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4960 | H | 80.60 | -28.30 | 52.30 | 74.00 | -21.70 | Peak |
| 6 | 4960 | H | 69.43 | -28.30 | 41.13 | 54.00 | -12.87 | Avg |
| 7 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| Note: | 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit. | | | | | | | |

Right earphone:

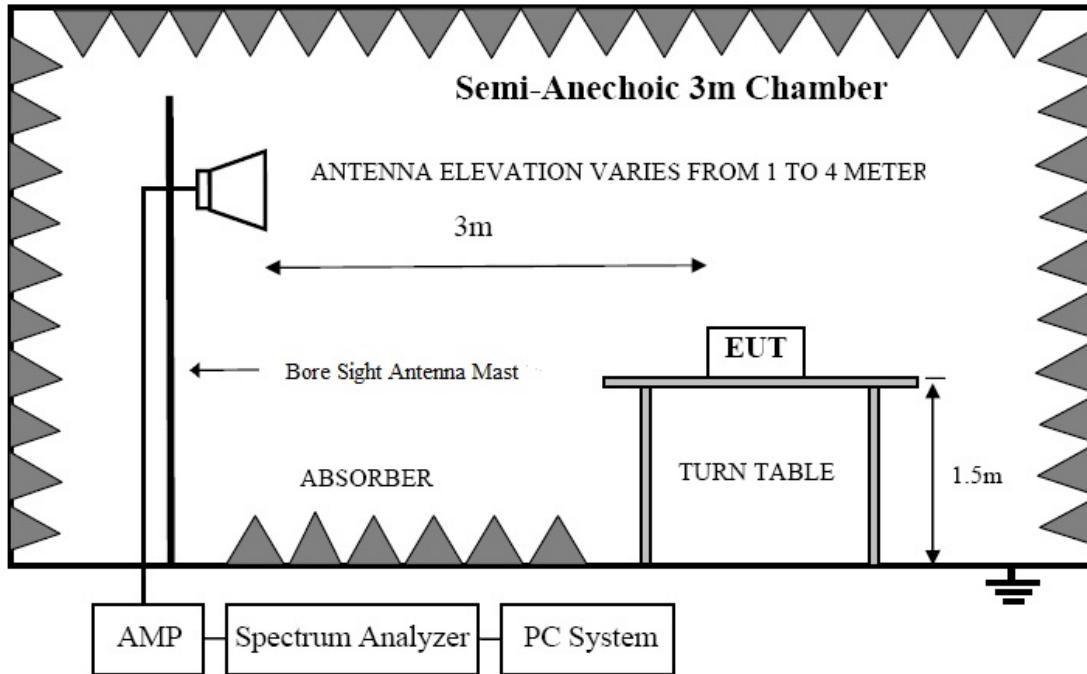
| Test Mode : GFSK TX Low | | | | | | | | |
|--------------------------|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 4804 | V | 83.27 | -27.27 | 56.00 | 74.00 | -18.00 | Peak |
| 2 | 4804 | V | 65.86 | -27.27 | 38.59 | 54.00 | -15.41 | Avg |
| 3 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4804 | H | 83.53 | -27.27 | 56.26 | 74.00 | -17.74 | Peak |
| 6 | 4804 | H | 64.63 | -27.27 | 37.36 | 54.00 | -16.64 | Avg |
| 7 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : GFSK TX Mid | | | | | | | | |
| 1 | 4882 | V | 86.90 | -27.79 | 59.11 | 74.00 | -14.89 | Peak |
| 2 | 4882 | V | 64.40 | -27.79 | 36.61 | 54.00 | -17.39 | Avg |
| 3 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4882 | H | 84.63 | -27.79 | 56.84 | 74.00 | -17.16 | Peak |
| 6 | 4882 | H | 65.23 | -27.79 | 37.44 | 54.00 | -16.56 | Avg |
| 7 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : GFSK TX High | | | | | | | | |
| 1 | 4960 | V | 83.23 | -28.30 | 54.93 | 74.00 | -19.07 | Peak |
| 2 | 4960 | V | 68.69 | -28.30 | 40.39 | 54.00 | -13.61 | Avg |
| 3 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4960 | H | 83.68 | -28.30 | 55.38 | 74.00 | -18.62 | Peak |
| 6 | 4960 | H | 68.26 | -28.30 | 39.96 | 54.00 | -14.04 | Avg |
| 7 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| Note: | 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit. | | | | | | | |

| Test Mode : $\pi/4$ DQPSK TX Low | | | | | | | | |
|-----------------------------------|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 4804 | V | 84.15 | -27.27 | 56.88 | 74.00 | -17.12 | Peak |
| 2 | 4804 | V | 63.23 | -27.27 | 35.96 | 54.00 | -18.04 | Avg |
| 3 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4804 | H | 80.87 | -27.27 | 53.60 | 74.00 | -20.40 | Peak |
| 6 | 4804 | H | 64.78 | -27.27 | 37.51 | 54.00 | -16.49 | Avg |
| 7 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : $\pi/4$ DQPSK TX Mid | | | | | | | | |
| 1 | 4882 | V | 86.50 | -27.79 | 58.71 | 74.00 | -15.29 | Peak |
| 2 | 4882 | V | 66.47 | -27.79 | 38.68 | 54.00 | -15.32 | Avg |
| 3 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4882 | H | 81.14 | -27.79 | 53.35 | 74.00 | -20.65 | Peak |
| 6 | 4882 | H | 63.20 | -27.79 | 35.41 | 54.00 | -18.59 | Avg |
| 7 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : $\pi/4$ DQPSK TX High | | | | | | | | |
| 1 | 4960 | V | 83.32 | -28.30 | 55.02 | 74.00 | -18.98 | Peak |
| 2 | 4960 | V | 67.92 | -28.30 | 39.62 | 54.00 | -14.38 | Avg |
| 3 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4960 | H | 80.55 | -28.30 | 52.25 | 74.00 | -21.75 | Peak |
| 6 | 4960 | H | 68.63 | -28.30 | 40.33 | 54.00 | -13.67 | Avg |
| 7 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| Note: | 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit. | | | | | | | |

| Test Mode : 8 DPSK TX Low | | | | | | | | |
|----------------------------|--|----------|------------------|----------------|-----------------|----------------|--------|--------|
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 4804 | V | 85.32 | -27.27 | 58.05 | 74.00 | -15.95 | Peak |
| 2 | 4804 | V | 65.20 | -27.27 | 37.93 | 54.00 | -16.07 | Avg |
| 3 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4804 | H | 81.80 | -27.27 | 54.53 | 74.00 | -19.47 | Peak |
| 6 | 4804 | H | 63.26 | -27.27 | 35.99 | 54.00 | -18.01 | Avg |
| 7 | 7206 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9608 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : 8 DPSK TX Mid | | | | | | | | |
| 1 | 4882 | V | 85.84 | -27.79 | 58.05 | 74.00 | -15.95 | Peak |
| 2 | 4882 | V | 66.97 | -27.79 | 39.18 | 54.00 | -14.82 | Avg |
| 3 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4882 | H | 83.28 | -27.79 | 55.49 | 74.00 | -18.51 | Peak |
| 6 | 4882 | H | 66.74 | -27.79 | 38.95 | 54.00 | -15.05 | Avg |
| 7 | 7323 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9764 | -- | -- | -- | -- | -- | -- | -- |
| Test Mode : 8 DPSK TX High | | | | | | | | |
| 1 | 4960 | V | 85.70 | -28.30 | 57.40 | 74.00 | -16.60 | Peak |
| 2 | 4960 | V | 67.31 | -28.30 | 39.01 | 54.00 | -14.99 | Avg |
| 3 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 4 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| 5 | 4960 | H | 83.86 | -28.30 | 55.56 | 74.00 | -18.44 | Peak |
| 6 | 4960 | H | 68.39 | -28.30 | 40.09 | 54.00 | -13.91 | Avg |
| 7 | 7440 | -- | -- | -- | -- | -- | -- | -- |
| 8 | 9920 | -- | -- | -- | -- | -- | -- | -- |
| Note: | <p>1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.</p> <p>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain.</p> <p>Result=Reading + Correct Factor.</p> <p>Margin= Result-Limit.</p> | | | | | | | |

10. Band Edge Test

10.1. Block Diagram of Test Setup



10.2. Test Limit

Radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

10.3. Test Procedure

Refer to ANSI C 63.10, Clause 6.10.

All restriction band and non- restriction band have been tested, only worse case is reported.

10.4. Test Results

| | | | |
|---------------|---------------|-------------|--------|
| Test Date | : 2024.10.23 | Temperature | : 26°C |
| Test Engineer | : Jensen Wang | Humidity | : 54% |
| Test Results | : PASS | | |

Left earphone:

| Frequency Range : 2310MHz~2410MHz | | | | | | | | |
|--|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Test Mode : GFSK TX 2402MHz | | | | | | | | |
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 2390 | H | 71.17 | -21.62 | 49.55 | 74.00 | -24.45 | Peak |
| 2 | 2390 | H | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | H | 75.66 | -26.08 | 49.58 | 74.00 | -24.42 | Peak |
| 4 | 2400 | H | -- | -26.08 | -- | 54.00 | -- | Avg |
| 1 | 2390 | V | 67.16 | -21.62 | 45.54 | 74.00 | -28.46 | Peak |
| 2 | 2390 | V | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | V | 78.80 | -26.08 | 52.72 | 74.00 | -21.28 | Peak |
| 4 | 2400 | V | -- | -26.08 | -- | 54.00 | -- | Avg |
| Frequency Range : 2450MHz~2550MHz | | | | | | | | |
| Test Mode : GFSK TX 2480MHz | | | | | | | | |
| 1 | 2483.5 | H | 75.06 | -25.84 | 49.22 | 74.00 | -24.78 | Peak |
| 2 | 2483.5 | H | -- | -25.84 | -- | 54.00 | -- | Avg |
| 1 | 2483.5 | V | 75.04 | -25.84 | 49.20 | 74.00 | -24.80 | Peak |
| 2 | 2483.5 | V | -- | -25.84 | -- | 54.00 | -- | Avg |
| Note: | <p>1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.</p> <p>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit.</p> <p>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.</p> | | | | | | | |

| Frequency Range : 2310MHz~2410MHz | | | | | | | | |
|--|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Test Mode : $\pi/4$ DQPSK TX 2402MHz | | | | | | | | |
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 2390 | H | 72.01 | -21.62 | 50.39 | 74.00 | -23.61 | Peak |
| 2 | 2390 | H | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | H | 76.39 | -26.08 | 50.31 | 74.00 | -23.69 | Peak |
| 4 | 2400 | H | -- | -26.08 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| 1 | 2390 | V | 69.73 | -21.62 | 48.11 | 74.00 | -25.89 | Peak |
| 2 | 2390 | V | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | V | 76.91 | -26.08 | 50.83 | 74.00 | -23.17 | Peak |
| 4 | 2400 | V | -- | -26.08 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| Frequency Range : 2450MHz~2550MHz | | | | | | | | |
| Test Mode : $\pi/4$ DQPSK TX 2480MHz | | | | | | | | |
| 1 | 2483.5 | H | 76.57 | -25.84 | 50.73 | 74.00 | -23.27 | Peak |
| 2 | 2483.5 | H | -- | -25.84 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| 1 | 2483.5 | V | 73.94 | -25.84 | 48.10 | 74.00 | -25.90 | Peak |
| 2 | 2483.5 | V | -- | -25.84 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| Note: | <p>1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.</p> <p>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit.</p> <p>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.</p> | | | | | | | |

| Frequency Range : 2310MHz~2410MHz | | | | | | | | |
|--|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Test Mode : 8 DPSK TX 2402MHz | | | | | | | | |
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 2390 | H | 72.72 | -21.62 | 51.10 | 74.00 | -22.90 | Peak |
| 2 | 2390 | H | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | H | 77.97 | -26.08 | 51.89 | 74.00 | -22.11 | Peak |
| 4 | 2400 | H | -- | -26.08 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| 1 | 2390 | V | 68.25 | -21.62 | 46.63 | 74.00 | -27.37 | Peak |
| 2 | 2390 | V | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | V | 79.30 | -26.08 | 53.22 | 74.00 | -20.78 | Peak |
| 4 | 2400 | V | -- | -26.08 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| Frequency Range : 2450MHz~2550MHz | | | | | | | | |
| Test Mode : 8 DPSK TX 2480MHz | | | | | | | | |
| 1 | 2483.5 | H | 75.59 | -25.84 | 49.75 | 74.00 | -24.25 | Peak |
| 2 | 2483.5 | H | -- | -25.84 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| 1 | 2483.5 | V | 72.58 | -25.84 | 46.74 | 74.00 | -27.26 | Peak |
| 2 | 2483.5 | V | -- | -25.84 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| Note: | <p>1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.</p> <p>2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit.</p> <p>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.</p> | | | | | | | |

Right earphone:

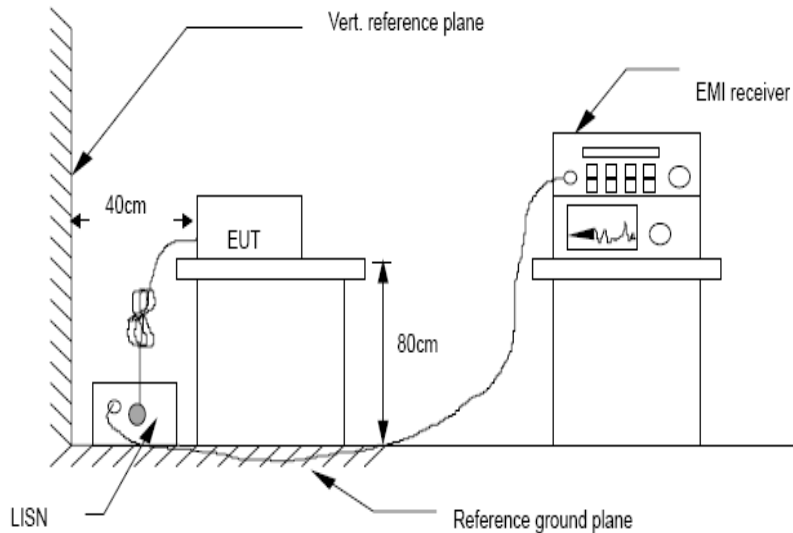
| Frequency Range : 2310MHz~2410MHz | | | | | | | | |
|--|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Test Mode : GFSK TX 2402MHz | | | | | | | | |
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 2390 | H | 70.95 | -21.62 | 49.33 | 74.00 | -24.67 | Peak |
| 2 | 2390 | H | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | H | 78.46 | -26.08 | 52.38 | 74.00 | -21.62 | Peak |
| 4 | 2400 | H | -- | -26.08 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| 1 | 2390 | V | 68.79 | -21.62 | 47.17 | 74.00 | -26.83 | Peak |
| 2 | 2390 | V | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | V | 79.36 | -26.08 | 53.28 | 74.00 | -20.72 | Peak |
| 4 | 2400 | V | -- | -26.08 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| Frequency Range : 2450MHz~2550MHz | | | | | | | | |
| Test Mode : GFSK TX 2480MHz | | | | | | | | |
| 1 | 2483.5 | H | 74.63 | -25.84 | 48.79 | 74.00 | -25.21 | Peak |
| 2 | 2483.5 | H | -- | -25.84 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| 1 | 2483.5 | V | 74.38 | -25.84 | 48.54 | 74.00 | -25.46 | Peak |
| 2 | 2483.5 | V | -- | -25.84 | -- | 54.00 | -- | Avg |
| | | | | | | | | |
| Note: | <p>1. Means other frequency and mode comply with standard requirements and at least have 20Db margin.</p> <p>4. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit.</p> <p>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.</p> | | | | | | | |

| Frequency Range : 2310MHz~2410MHz | | | | | | | | |
|--|---|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Test Mode : $\pi/4$ DQPSK TX 2402MHz | | | | | | | | |
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 2390 | H | 71.53 | -21.62 | 49.91 | 74.00 | -24.09 | Peak |
| 2 | 2390 | H | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | H | 75.68 | -26.08 | 49.60 | 74.00 | -24.40 | Peak |
| 4 | 2400 | H | -- | -26.08 | -- | 54.00 | -- | Avg |
| 1 | 2390 | V | 70.19 | -21.62 | 48.57 | 74.00 | -25.43 | Peak |
| 2 | 2390 | V | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | V | 79.65 | -26.08 | 53.57 | 74.00 | -20.43 | Peak |
| 4 | 2400 | V | -- | -26.08 | -- | 54.00 | -- | Avg |
| Frequency Range : 2450MHz~2550MHz | | | | | | | | |
| Test Mode : $\pi/4$ DQPSK TX 2480MHz | | | | | | | | |
| 1 | 2483.5 | H | 77.03 | -25.84 | 51.19 | 74.00 | -22.81 | Peak |
| 2 | 2483.5 | H | -- | -25.84 | -- | 54.00 | -- | Avg |
| 1 | 2483.5 | V | 74.23 | -25.84 | 48.39 | 74.00 | -25.61 | Peak |
| 2 | 2483.5 | V | -- | -25.84 | -- | 54.00 | -- | Avg |
| Note: | <p>1. Means other frequency and mode comply with standard requirements and at least have 20dB margin.</p> <p>4. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit.</p> <p>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.</p> | | | | | | | |

| Frequency Range : 2310MHz~2410MHz | | | | | | | | |
|--|--|----------|------------------|----------------|-----------------|----------------|--------|--------|
| Test Mode : 8 DPSK TX 2402MHz | | | | | | | | |
| No. | Freq MHz | Polarity | Reading (dBuV/m) | Correct Factor | Result (dBuV/m) | Limit (dBuV/m) | Margin | Remark |
| 1 | 2390 | H | 70.56 | -21.62 | 48.94 | 74.00 | -25.06 | Peak |
| 2 | 2390 | H | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | H | 76.28 | -26.08 | 50.20 | 74.00 | -23.80 | Peak |
| 4 | 2400 | H | -- | -26.08 | -- | 54.00 | -- | Avg |
| 1 | 2390 | V | 70.43 | -21.62 | 48.81 | 74.00 | -25.19 | Peak |
| 2 | 2390 | V | -- | -21.62 | -- | 54.00 | -- | Avg |
| 3 | 2400 | V | 76.39 | -26.08 | 50.31 | 74.00 | -23.69 | Peak |
| 4 | 2400 | V | -- | -26.08 | -- | 54.00 | -- | Avg |
| Frequency Range : 2450MHz~2550MHz | | | | | | | | |
| Test Mode : 8 DPSK TX 2480MHz | | | | | | | | |
| 1 | 2483.5 | H | 74.87 | -25.84 | 49.03 | 74.00 | -24.97 | Peak |
| 2 | 2483.5 | H | -- | -25.84 | -- | 54.00 | -- | Avg |
| 1 | 2483.5 | V | 72.80 | -25.84 | 46.96 | 74.00 | -27.04 | Peak |
| 2 | 2483.5 | V | -- | -25.84 | -- | 54.00 | -- | Avg |
| Note: | <p>1. Means other frequency and mode comply with standard requirements and at least have 20Db margin.</p> <p>4. $\text{Correct Factor} = \text{Cable Loss} + \text{Antenna Factor} - \text{Amplifier Gain}$.</p> <p>$\text{Result} = \text{Reading} + \text{Correct Factor}$.</p> <p>$\text{Margin} = \text{Result} - \text{Limit}$.</p> <p>3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.</p> | | | | | | | |

11. Power Line Conducted Emissions

11.1. Block Diagram of Test Setup



11.2. Limit

| Frequency | Maximum RF Line Voltage | |
|-----------------|----------------------------------|-------------------------------|
| | Quasi-Peak Level dB(μ V) | Average Level dB(μ V) |
| 150kHz ~ 500kHz | 66 ~ 56* | 56 ~ 46* |
| 500kHz ~ 5MHz | 56 | 46 |
| 5MHz ~ 30MHz | 60 | 50 |

Notes: 1. * Decreasing linearly with logarithm of frequency.

4. The lower limit shall apply at the transition frequencies.

11.3. Test Procedure

- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in 10.1
- (3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N2), this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2013on conducted Emission test.
- (4) The bandwidth of test receiver is set at 10KHz.
- (5) The frequency range from 150 KHz to 30MHz is checked.

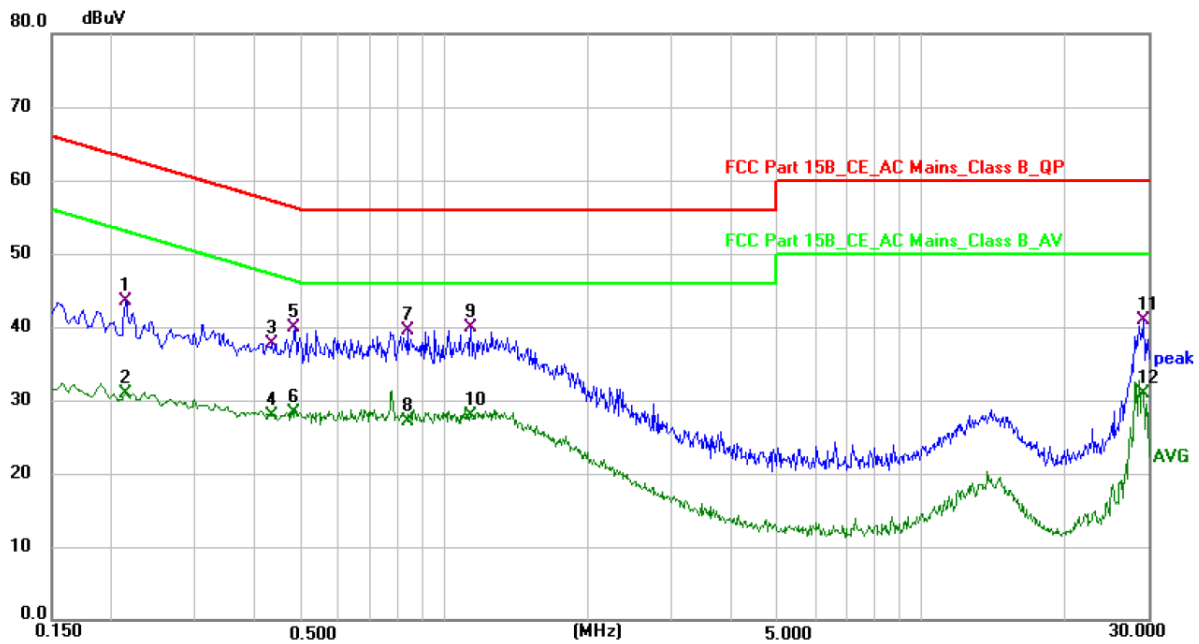
11.4. Test Results

| | | | |
|---------------|---|-------------|--------|
| Test Date | : 2024.10.23 | Temperature | : 26°C |
| Test Engineer | : Jensen Wang | Humidity | : 54% |
| Test Mode | : GFSK mode | | |
| Test Results | : PASS | | |
| Note: | <ol style="list-style-type: none">1. The test results are listed in next pages.2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out.3. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.4. All modes have been tested, and only worst data of GFSK mode, Channel 2402MHz (AC 120V/ 60Hz) was listed in this report. | | |



Left earphone:

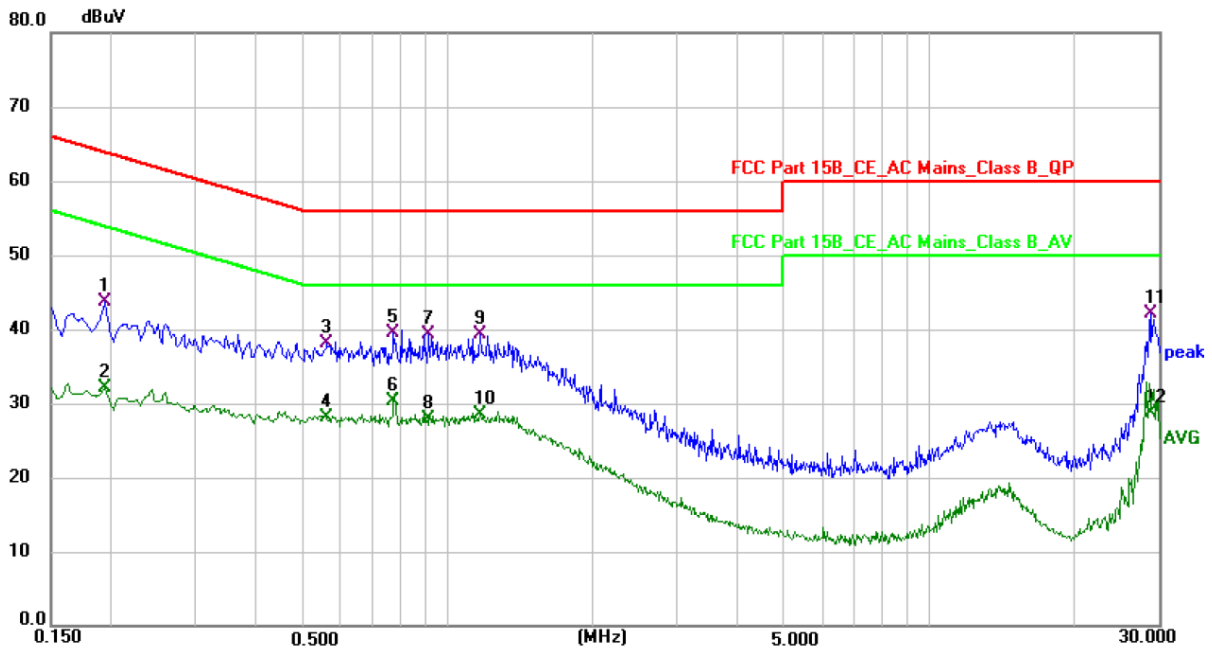
Polarization: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1 | 0.2140 | 33.56 | 9.96 | 43.52 | 63.05 | -19.53 | QP |
| 2 | 0.2140 | 21.00 | 9.96 | 30.96 | 53.05 | -22.09 | AVG |
| 3 | 0.4340 | 27.97 | 9.72 | 37.69 | 57.18 | -19.49 | QP |
| 4 | 0.4340 | 18.18 | 9.72 | 27.90 | 47.18 | -19.28 | AVG |
| 5 | 0.4860 | 30.05 | 9.87 | 39.92 | 56.24 | -16.32 | QP |
| 6 | 0.4860 | 18.35 | 9.87 | 28.22 | 46.24 | -18.02 | AVG |
| 7 | 0.8380 | 30.15 | 9.42 | 39.57 | 56.00 | -16.43 | QP |
| 8 | 0.8380 | 17.70 | 9.42 | 27.12 | 46.00 | -18.88 | AVG |
| 9 * | 1.1380 | 30.45 | 9.41 | 39.86 | 56.00 | -16.14 | QP |
| 10 | 1.1380 | 18.47 | 9.41 | 27.88 | 46.00 | -18.12 | AVG |
| 11 | 29.2260 | 30.63 | 10.28 | 40.91 | 60.00 | -19.09 | QP |
| 12 | 29.2260 | 20.58 | 10.28 | 30.86 | 50.00 | -19.14 | AVG |

Note: Level = Reading + Factor Margin = Level - Limit

Polarization: N

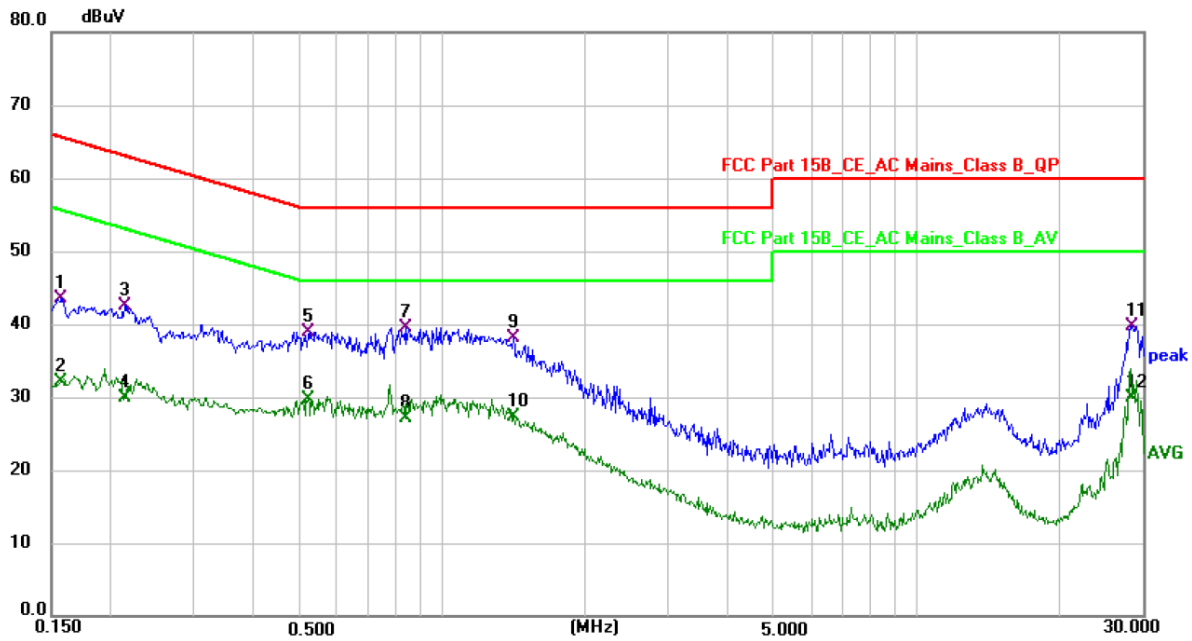


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1 | 0.1940 | 33.65 | 10.02 | 43.67 | 63.86 | -20.19 | QP |
| 2 | 0.1940 | 22.09 | 10.02 | 32.11 | 53.86 | -21.75 | AVG |
| 3 | 0.5620 | 28.38 | 9.78 | 38.16 | 56.00 | -17.84 | QP |
| 4 | 0.5620 | 18.39 | 9.78 | 28.17 | 46.00 | -17.83 | AVG |
| 5 | 0.7740 | 29.85 | 9.71 | 39.56 | 56.00 | -16.44 | QP |
| 6 * | 0.7740 | 20.54 | 9.71 | 30.25 | 46.00 | -15.75 | AVG |
| 7 | 0.9180 | 29.70 | 9.58 | 39.28 | 56.00 | -16.72 | QP |
| 8 | 0.9180 | 18.34 | 9.58 | 27.92 | 46.00 | -18.08 | AVG |
| 9 | 1.1660 | 29.79 | 9.47 | 39.26 | 56.00 | -16.74 | QP |
| 10 | 1.1660 | 19.06 | 9.47 | 28.53 | 46.00 | -17.47 | AVG |
| 11 | 28.8180 | 31.80 | 10.37 | 42.17 | 60.00 | -17.83 | QP |
| 12 | 28.8180 | 18.43 | 10.37 | 28.80 | 50.00 | -21.20 | AVG |

Note: Level = Reading + Factor Margin = Level - Limit

Right earphone:

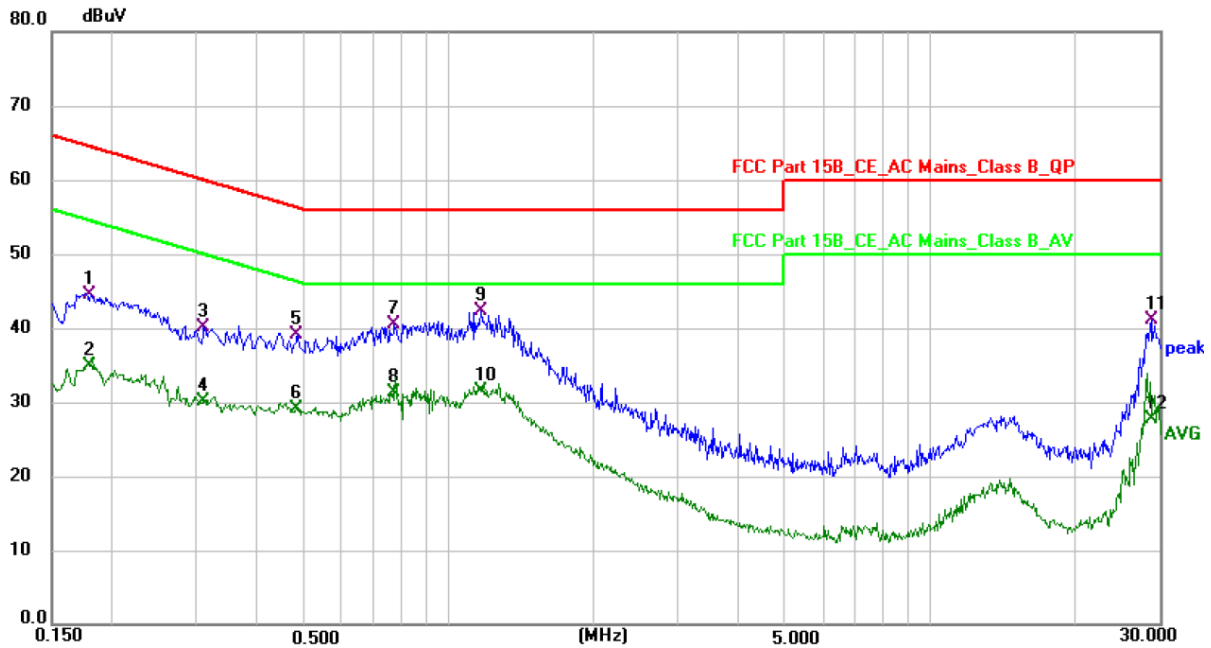
Polarization: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1 | 0.1572 | 33.55 | 9.94 | 43.49 | 65.61 | -22.12 | QP |
| 2 | 0.1572 | 22.11 | 9.94 | 32.05 | 55.61 | -23.56 | AVG |
| 3 | 0.2140 | 32.56 | 9.96 | 42.52 | 63.05 | -20.53 | QP |
| 4 | 0.2140 | 20.00 | 9.96 | 29.96 | 53.05 | -23.09 | AVG |
| 5 | 0.5237 | 29.14 | 9.85 | 38.99 | 56.00 | -17.01 | QP |
| 6 * | 0.5237 | 19.86 | 9.85 | 29.71 | 46.00 | -16.29 | AVG |
| 7 | 0.8380 | 30.15 | 9.42 | 39.57 | 56.00 | -16.43 | QP |
| 8 | 0.8380 | 17.70 | 9.42 | 27.12 | 46.00 | -18.88 | AVG |
| 9 | 1.4180 | 28.78 | 9.40 | 38.18 | 56.00 | -17.82 | QP |
| 10 | 1.4180 | 17.84 | 9.40 | 27.24 | 46.00 | -18.76 | AVG |
| 11 | 28.5500 | 29.37 | 10.33 | 39.70 | 60.00 | -20.30 | QP |
| 12 | 28.5500 | 19.66 | 10.33 | 29.99 | 50.00 | -20.01 | AVG |

Note: Level = Reading + Factor Margin = Level - Limit

Polarization: N



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1 | 0.1804 | 34.56 | 9.94 | 44.50 | 64.47 | -19.97 | QP |
| 2 | 0.1804 | 25.05 | 9.94 | 34.99 | 54.47 | -19.48 | AVG |
| 3 | 0.3100 | 30.26 | 9.76 | 40.02 | 59.97 | -19.95 | QP |
| 4 | 0.3100 | 20.25 | 9.76 | 30.01 | 49.97 | -19.96 | AVG |
| 5 | 0.4860 | 29.30 | 9.75 | 39.05 | 56.24 | -17.19 | QP |
| 6 | 0.4860 | 19.40 | 9.75 | 29.15 | 46.24 | -17.09 | AVG |
| 7 | 0.7740 | 30.85 | 9.71 | 40.56 | 56.00 | -15.44 | QP |
| 8 | 0.7740 | 21.54 | 9.71 | 31.25 | 46.00 | -14.75 | AVG |
| 9 * | 1.1660 | 32.79 | 9.47 | 42.26 | 56.00 | -13.74 | QP |
| 10 | 1.1660 | 22.06 | 9.47 | 31.53 | 46.00 | -14.47 | AVG |
| 11 | 28.8180 | 30.80 | 10.37 | 41.17 | 60.00 | -18.83 | QP |
| 12 | 28.8180 | 17.43 | 10.37 | 27.80 | 50.00 | -22.20 | AVG |

Note: Level = Reading + Factor Margin = Level - Limit

12. Antenna Requirements

12.1.Limit

For intentional device, according to FCC 47 CFR Section 15.203 and RSS-GEN, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

12.2.Result

The EUT antenna is internal antenna. It complies with the standard requirement.



13.Photos of test setup

Reference to the **appendix I Test Setup Photo** for details.

14.Photos of EUT

Reference to the **appendix II external photos** and **appendix III internal photos** for details.

----- END OF REPORT-----

