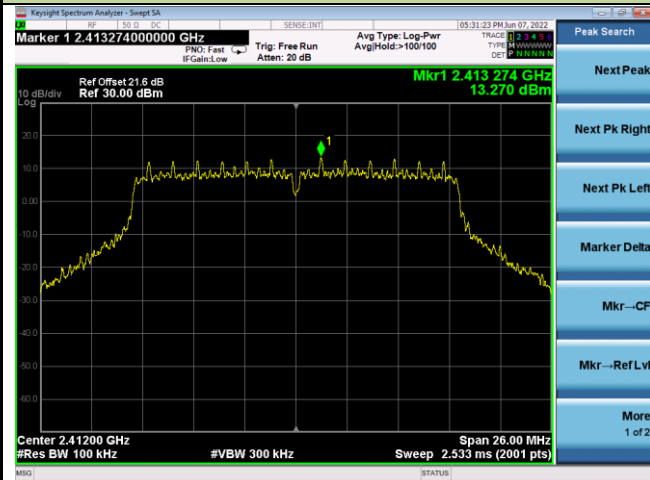


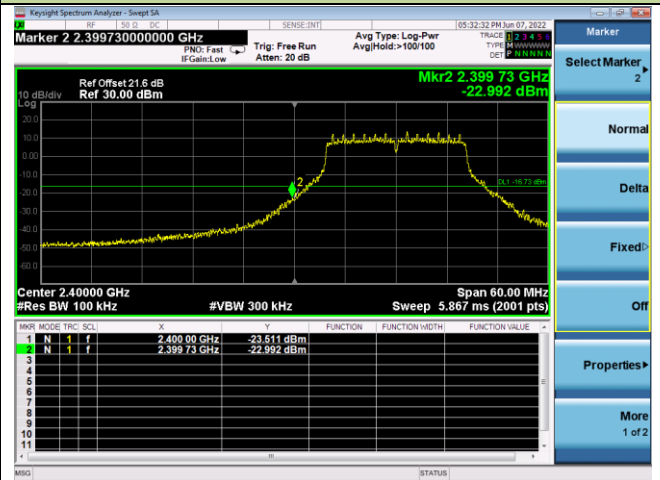
802.11g Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

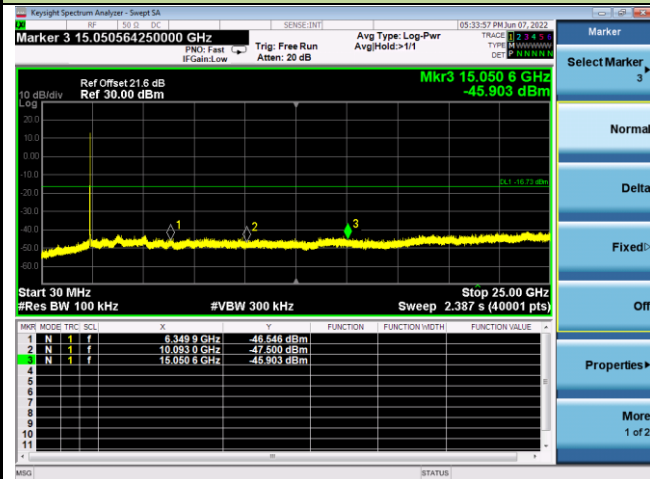
Reference Level



Low Band Edge

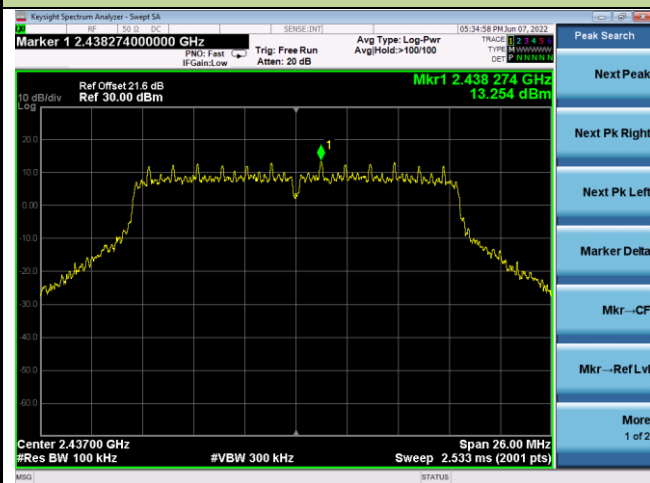


Spurious Emission

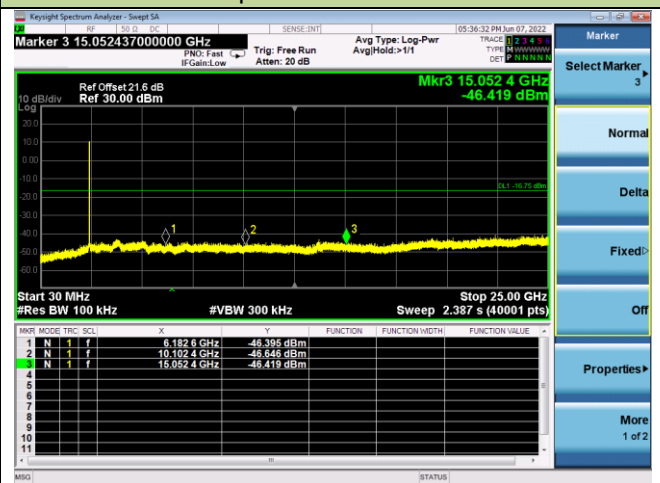


Channel 06 (2437MHz)

Reference Level



Spurious Emission

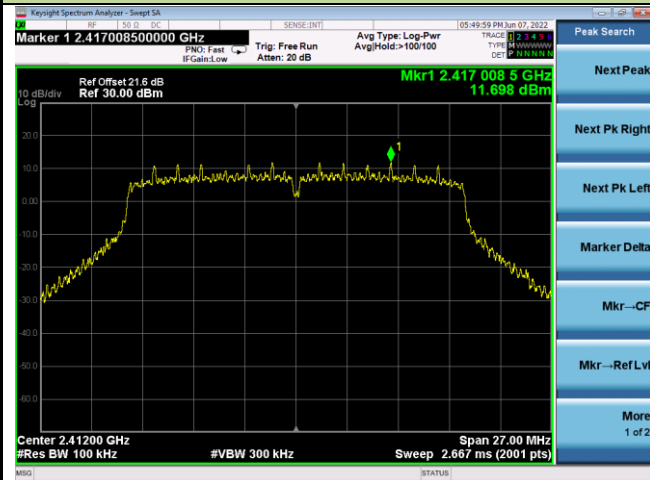




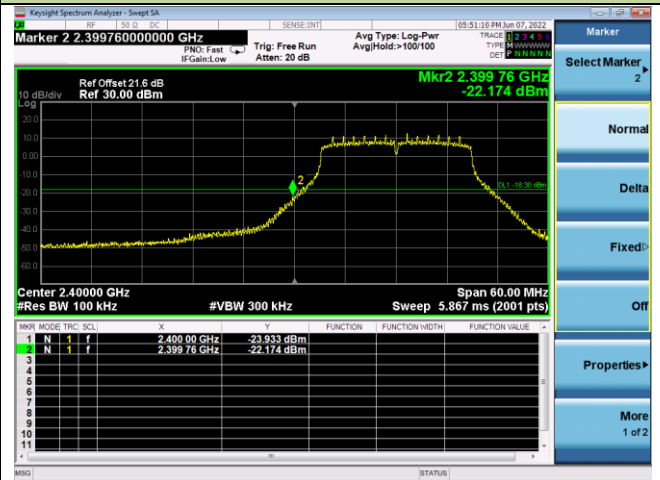
802.11n-HT20 Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

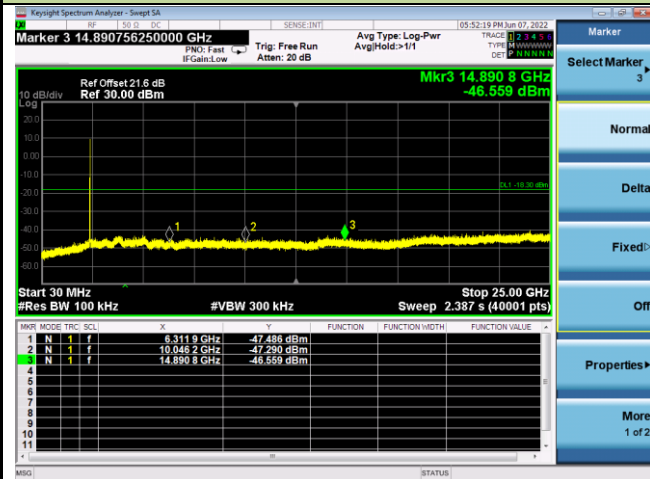
Reference Level



Low Band Edge

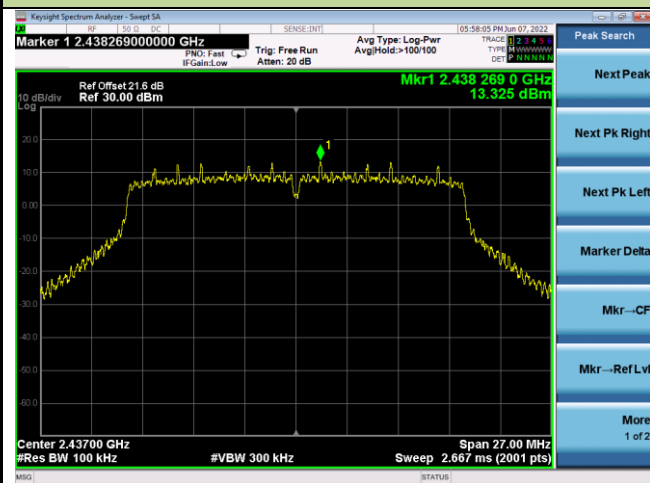


Spurious Emission

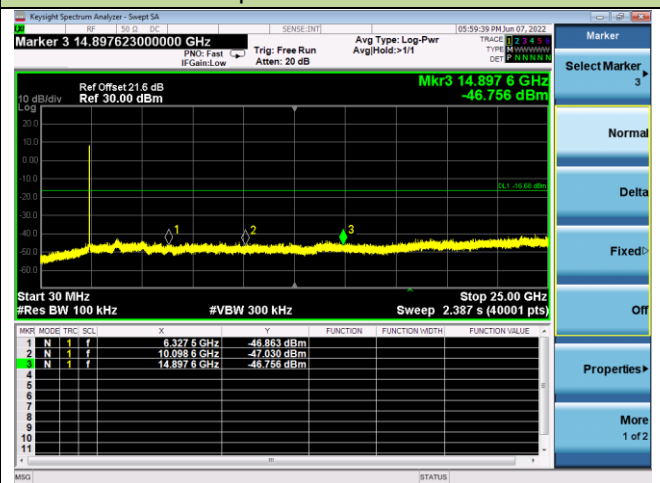


Channel 06 (2437MHz)

Reference Level



Spurious Emission

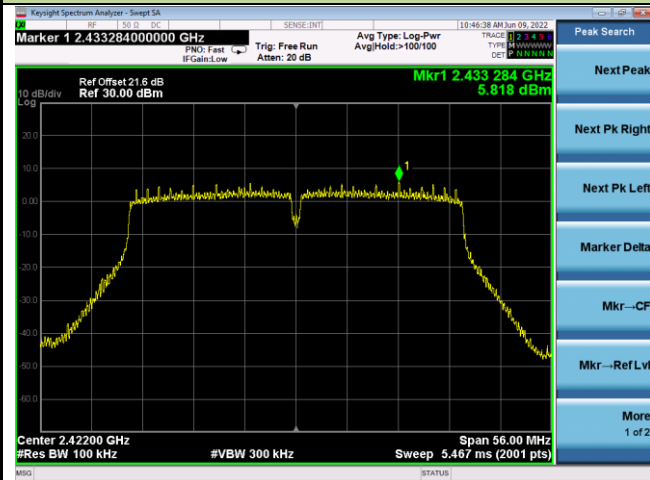




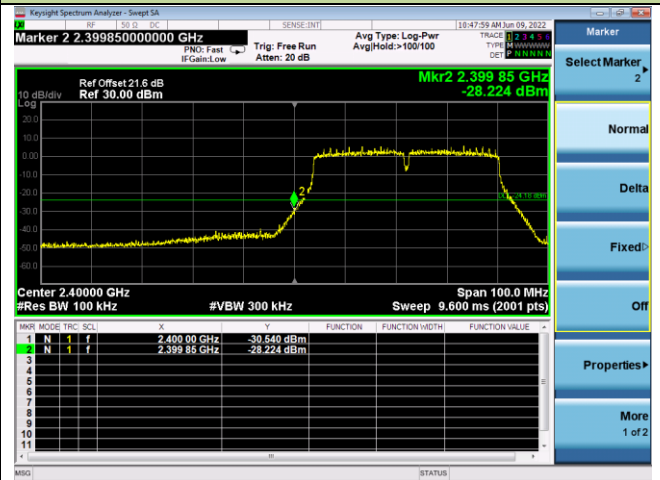
802.11n-HT40 Out-of-Band Emissions - Ant 1

Channel 01 (2422MHz)

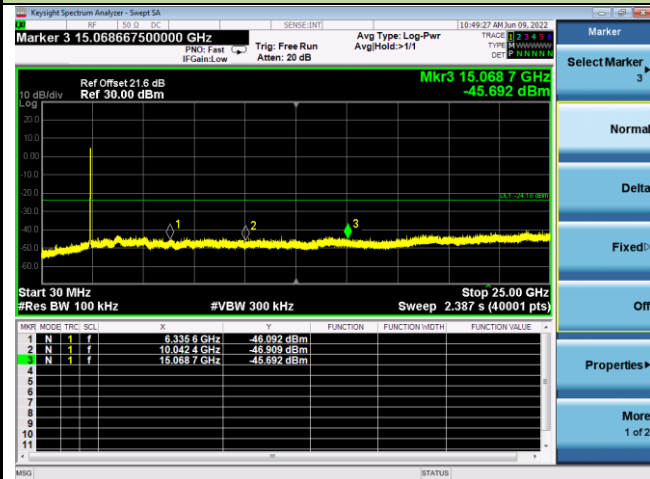
Reference Level



Low Band Edge

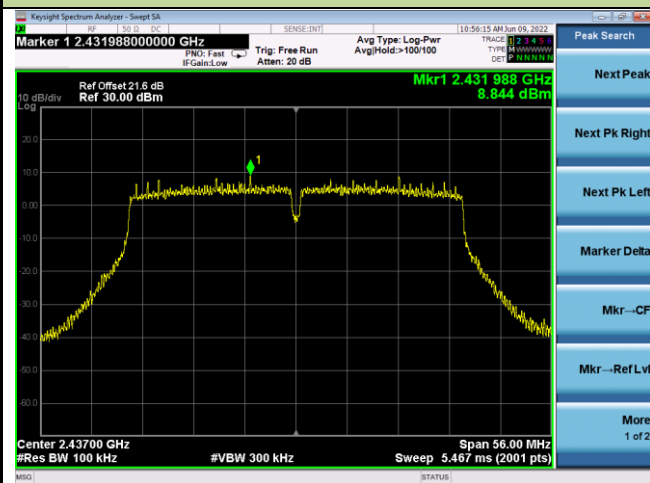


Spurious Emission

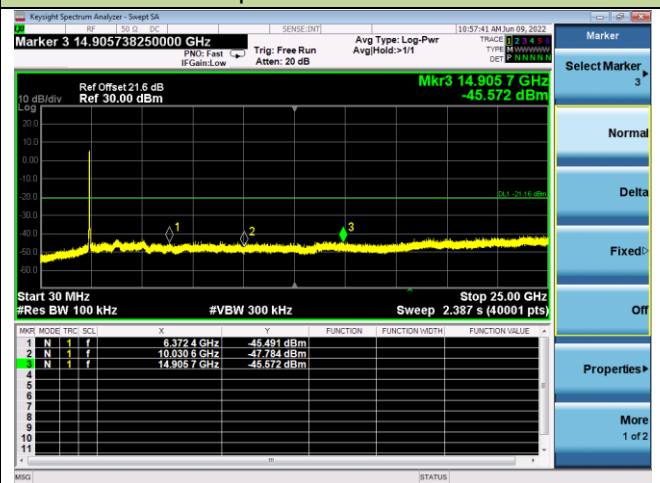


Channel 06 (2437MHz)

Reference Level



Spurious Emission

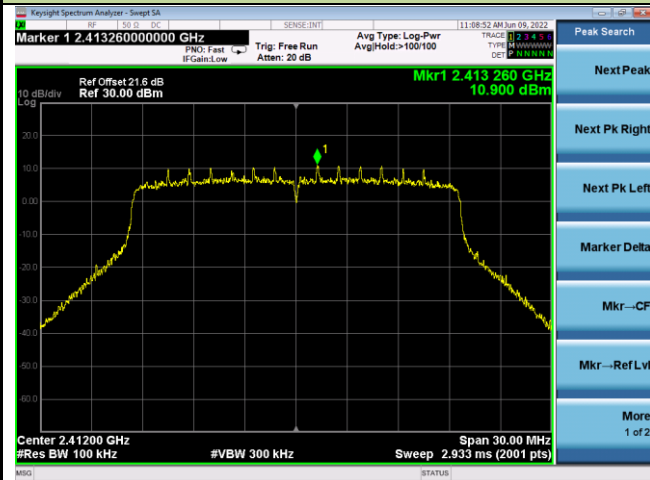




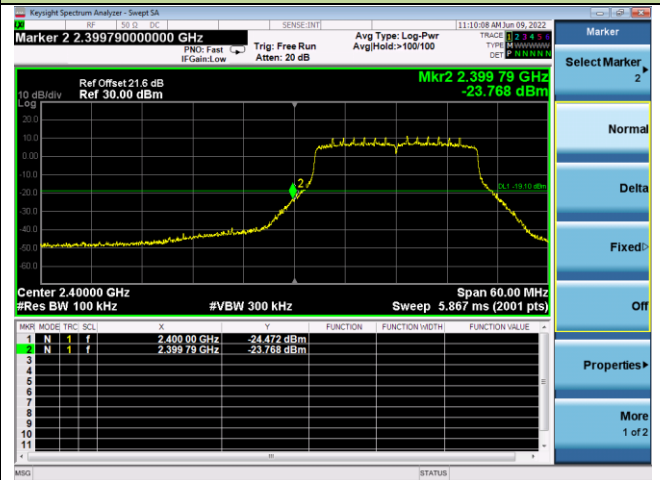
802.11ax-HE20 Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

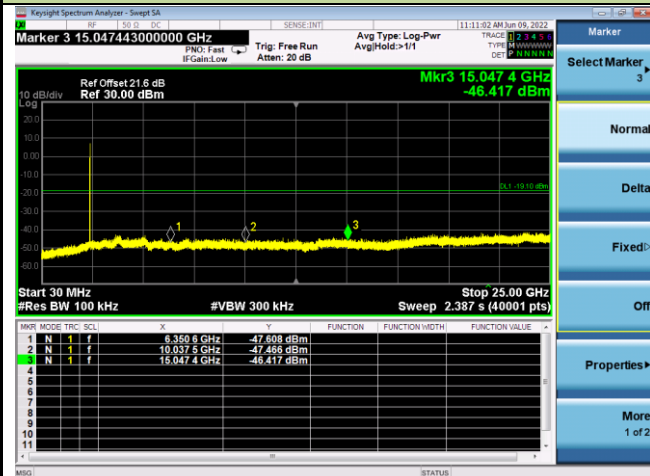
Reference Level



Low Band Edge

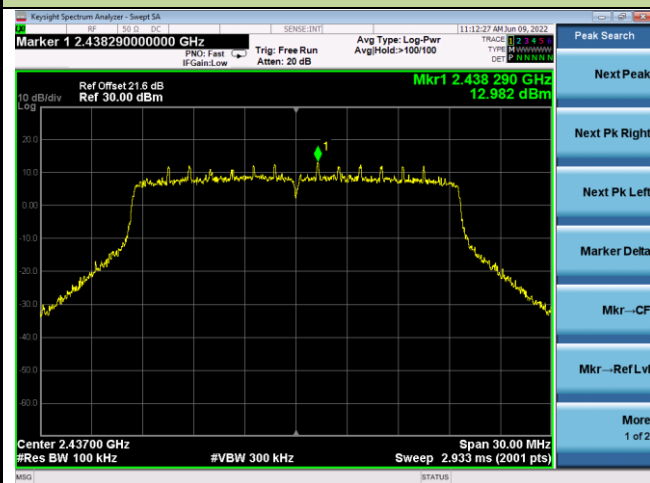


Spurious Emission

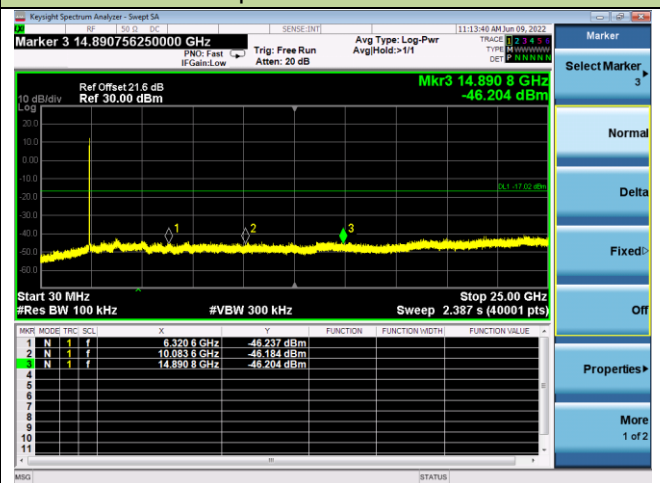


Channel 06 (2437MHz)

Reference Level



Spurious Emission

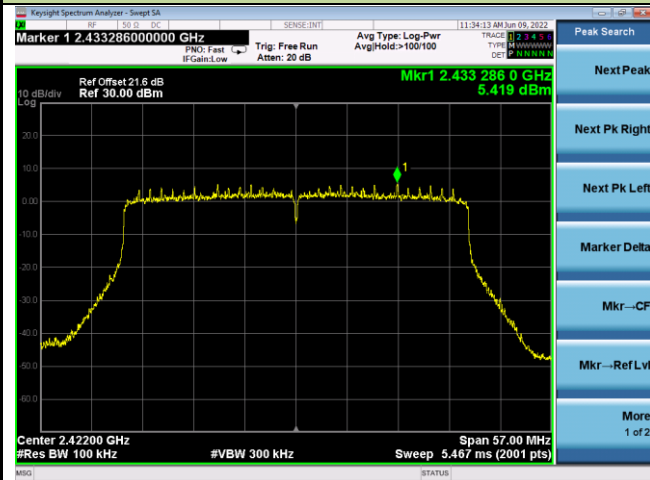




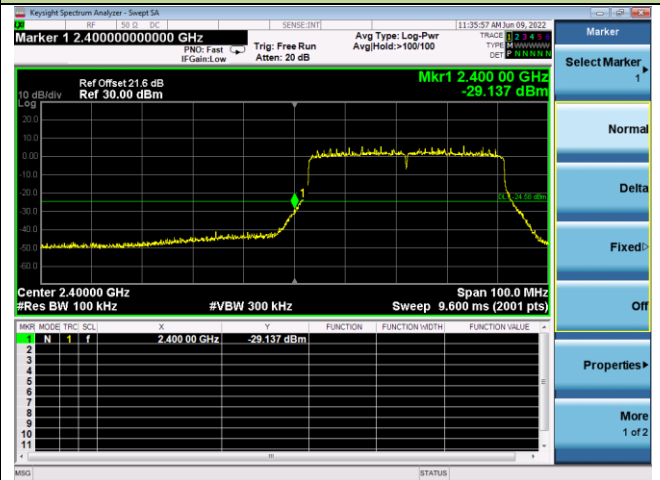
802.11ax-HE40 Out-of-Band Emissions - Ant 1

Channel 01 (2422MHz)

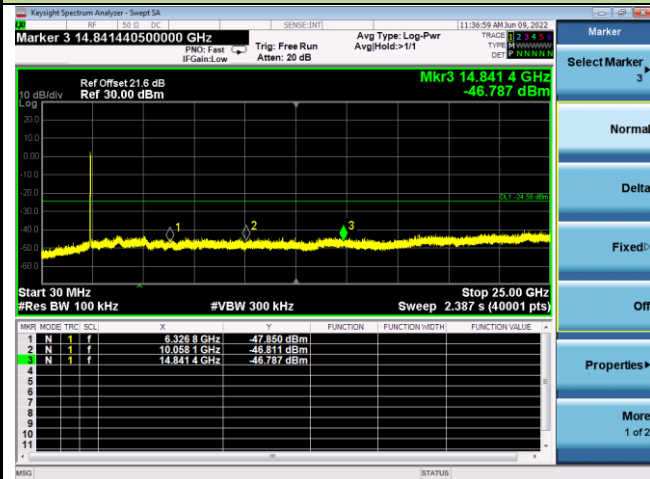
Reference Level



Low Band Edge



Spurious Emission

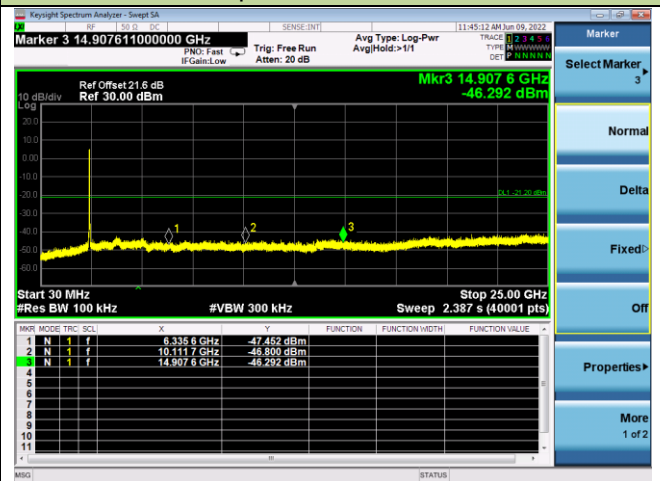


Channel 06 (2437MHz)

Reference Level



Spurious Emission





A.6 Radiated Spurious Emission Test Result

| | | | |
|-----------|---|---------------|-----------|
| Test Site | NS-AC1 | Test Engineer | Flag Yang |
| Test Date | 2022-06-06 | Test Mode: | 802.11b |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 01 | 3932.500 | 38.4 | -1.9 | 36.5 | 74.0 | -37.5 | Peak | Horizontal |
| | 4944.000 | 36.1 | 1.6 | 37.7 | 74.0 | -36.3 | Peak | Horizontal |
| | 11378.500 | 33.4 | 14.8 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| | 3949.500 | 36.9 | -1.9 | 35.0 | 74.0 | -39.0 | Peak | Vertical |
| | 4825.000 | 37.5 | 1.4 | 38.9 | 74.0 | -35.1 | Peak | Vertical |
| | 11761.000 | 31.3 | 14.3 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| 06 | 3847.500 | 36.0 | -1.6 | 34.4 | 74.0 | -39.6 | Peak | Horizontal |
| | 4774.000 | 34.9 | 1.7 | 36.6 | 74.0 | -37.4 | Peak | Horizontal |
| | 7536.500 | 33.2 | 9.1 | 42.3 | 74.0 | -31.7 | Peak | Horizontal |
| | 4094.000 | 36.3 | -1.5 | 34.8 | 74.0 | -39.2 | Peak | Vertical |
| | 4859.000 | 35.5 | 1.5 | 37.0 | 74.0 | -37.0 | Peak | Vertical |
| | 7434.500 | 33.3 | 9.5 | 42.8 | 74.0 | -31.2 | Peak | Vertical |
| 11 | 3847.500 | 36.0 | -1.6 | 34.4 | 74.0 | -39.6 | Peak | Horizontal |
| | 4901.500 | 35.5 | 1.2 | 36.7 | 74.0 | -37.3 | Peak | Horizontal |
| | 7502.500 | 32.4 | 9.3 | 41.7 | 74.0 | -32.3 | Peak | Horizontal |
| | 3847.500 | 36.7 | -1.6 | 35.1 | 74.0 | -38.9 | Peak | Vertical |
| | 4833.500 | 34.7 | 1.4 | 36.1 | 74.0 | -37.9 | Peak | Vertical |
| | 7570.500 | 32.8 | 8.9 | 41.7 | 74.0 | -32.3 | Peak | Vertical |

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

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

| | | | |
|-----------|---|---------------|-----------|
| Test Site | NS-AC1 | Test Engineer | Flag Yang |
| Test Date | 2022-06-06 | Test Mode: | 802.11g |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 01 | 3864.500 | 36.1 | -1.8 | 34.3 | 74.0 | -39.7 | Peak | Horizontal |
| | 4876.000 | 35.4 | 1.5 | 36.9 | 74.0 | -37.1 | Peak | Horizontal |
| | 7570.500 | 33.5 | 8.9 | 42.4 | 74.0 | -31.6 | Peak | Horizontal |
| | 3745.500 | 36.6 | -1.6 | 35.0 | 74.0 | -39.0 | Peak | Vertical |
| | 4876.000 | 34.8 | 1.5 | 36.3 | 74.0 | -37.7 | Peak | Vertical |
| | 7570.500 | 32.9 | 8.9 | 41.8 | 74.0 | -32.2 | Peak | Vertical |
| 06 | 3813.500 | 37.0 | -1.4 | 35.6 | 74.0 | -38.4 | Peak | Horizontal |
| | 4816.500 | 34.2 | 1.4 | 35.6 | 74.0 | -38.4 | Peak | Horizontal |
| | 7468.500 | 32.6 | 9.3 | 41.9 | 74.0 | -32.1 | Peak | Horizontal |
| | 4026.000 | 35.0 | -2.0 | 33.0 | 74.0 | -41.0 | Peak | Vertical |
| | 4833.500 | 35.0 | 1.4 | 36.4 | 74.0 | -37.6 | Peak | Vertical |
| | 7468.500 | 32.7 | 9.3 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| 11 | 3915.500 | 35.6 | -1.8 | 33.8 | 74.0 | -40.2 | Peak | Horizontal |
| | 4859.000 | 35.6 | 1.5 | 37.1 | 74.0 | -36.9 | Peak | Horizontal |
| | 7536.500 | 32.0 | 9.1 | 41.1 | 74.0 | -32.9 | Peak | Horizontal |
| | 4009.000 | 37.1 | -1.9 | 35.2 | 74.0 | -38.8 | Peak | Vertical |
| | 4791.000 | 34.0 | 1.4 | 35.4 | 74.0 | -38.6 | Peak | Vertical |
| | 7570.500 | 33.3 | 8.9 | 42.2 | 74.0 | -31.8 | Peak | Vertical |

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

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

| | | | |
|-----------|---|---------------|--------------|
| Test Site | NS-AC1 | Test Engineer | Flag Yang |
| Test Date | 2022-06-06 | Test Mode: | 802.11n-HT20 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 01 | 3881.500 | 36.4 | -1.7 | 34.7 | 74.0 | -39.3 | Peak | Horizontal |
| | 4689.000 | 34.5 | 1.7 | 36.2 | 74.0 | -37.8 | Peak | Horizontal |
| | 7434.500 | 32.9 | 9.5 | 42.4 | 74.0 | -31.6 | Peak | Horizontal |
| | 4153.500 | 34.3 | -0.9 | 33.4 | 74.0 | -40.6 | Peak | Vertical |
| | 4833.500 | 35.0 | 1.4 | 36.4 | 74.0 | -37.6 | Peak | Vertical |
| | 7468.500 | 32.9 | 9.3 | 42.2 | 74.0 | -31.8 | Peak | Vertical |
| 06 | 3847.500 | 35.2 | -1.6 | 33.6 | 74.0 | -40.4 | Peak | Horizontal |
| | 4901.500 | 35.9 | 1.2 | 37.1 | 74.0 | -36.9 | Peak | Horizontal |
| | 7468.500 | 34.1 | 9.3 | 43.4 | 74.0 | -30.6 | Peak | Horizontal |
| | 3779.500 | 35.9 | -1.5 | 34.4 | 74.0 | -39.6 | Peak | Vertical |
| | 4944.000 | 35.4 | 1.6 | 37.0 | 74.0 | -37.0 | Peak | Vertical |
| | 7468.500 | 33.1 | 9.3 | 42.4 | 74.0 | -31.6 | Peak | Vertical |
| 11 | 3762.500 | 36.2 | -1.6 | 34.6 | 74.0 | -39.4 | Peak | Horizontal |
| | 4748.500 | 34.3 | 1.7 | 36.0 | 74.0 | -38.0 | Peak | Horizontal |
| | 7536.500 | 32.3 | 9.1 | 41.4 | 74.0 | -32.6 | Peak | Horizontal |
| | 3728.500 | 35.9 | -1.5 | 34.4 | 74.0 | -39.6 | Peak | Vertical |
| | 4689.000 | 34.7 | 1.7 | 36.4 | 74.0 | -37.6 | Peak | Vertical |
| | 7468.500 | 33.6 | 9.3 | 42.9 | 74.0 | -31.1 | Peak | Vertical |

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

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

| | | | |
|-----------|---|---------------|--------------|
| Test Site | NS-AC1 | Test Engineer | Flag Yang |
| Test Date | 2022-06-06 | Test Mode: | 802.11n-HT40 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 03 | 3949.500 | 37.7 | -1.9 | 35.8 | 74.0 | -38.2 | Peak | Horizontal |
| | 4731.500 | 33.8 | 1.5 | 35.3 | 74.0 | -38.7 | Peak | Horizontal |
| | 7468.500 | 32.7 | 9.3 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| | 3864.500 | 36.0 | -1.8 | 34.2 | 74.0 | -39.8 | Peak | Vertical |
| | 4791.000 | 35.4 | 1.4 | 36.8 | 74.0 | -37.2 | Peak | Vertical |
| | 7536.500 | 32.3 | 9.1 | 41.4 | 74.0 | -32.6 | Peak | Vertical |
| 06 | 3864.500 | 36.9 | -1.8 | 35.1 | 74.0 | -38.9 | Peak | Horizontal |
| | 4731.500 | 34.0 | 1.5 | 35.5 | 74.0 | -38.5 | Peak | Horizontal |
| | 7400.500 | 33.1 | 9.4 | 42.5 | 74.0 | -31.5 | Peak | Horizontal |
| | 4009.000 | 37.3 | -1.9 | 35.4 | 74.0 | -38.6 | Peak | Vertical |
| | 4876.000 | 35.7 | 1.5 | 37.2 | 74.0 | -36.8 | Peak | Vertical |
| | 7468.500 | 33.5 | 9.3 | 42.8 | 74.0 | -31.2 | Peak | Vertical |
| 09 | 3975.000 | 37.5 | -1.9 | 35.6 | 74.0 | -38.4 | Peak | Horizontal |
| | 4816.500 | 34.6 | 1.4 | 36.0 | 74.0 | -38.0 | Peak | Horizontal |
| | 7502.500 | 32.2 | 9.3 | 41.5 | 74.0 | -32.5 | Peak | Horizontal |
| | 4094.000 | 34.8 | -1.5 | 33.3 | 74.0 | -40.7 | Peak | Vertical |
| | 4774.000 | 34.7 | 1.7 | 36.4 | 74.0 | -37.6 | Peak | Vertical |
| | 7434.500 | 34.3 | 9.5 | 43.8 | 74.0 | -30.2 | Peak | Vertical |

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

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

| | | | |
|-----------|---|---------------|---------------|
| Test Site | NS-AC1 | Test Engineer | Flag Yang |
| Test Date | 2022-06-06 | Test Mode: | 802.11ax-HE20 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Test Channel | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------|---------------|------------------------|----------------|-------------|----------|--------------|
| 01 | 3796.500 | 35.5 | -1.5 | 34.0 | 74.0 | -40.0 | Peak | Horizontal |
| | 4774.000 | 35.3 | 1.7 | 37.0 | 74.0 | -37.0 | Peak | Horizontal |
| | 7366.500 | 33.4 | 9.3 | 42.7 | 74.0 | -31.3 | Peak | Horizontal |
| | 4026.000 | 36.4 | -2.0 | 34.4 | 74.0 | -39.6 | Peak | Vertical |
| | 4706.000 | 34.3 | 1.5 | 35.8 | 74.0 | -38.2 | Peak | Vertical |
| | 7502.500 | 32.8 | 9.3 | 42.1 | 74.0 | -31.9 | Peak | Vertical |
| 06 | 4026.000 | 37.5 | -2.0 | 35.5 | 74.0 | -38.5 | Peak | Horizontal |
| | 4731.500 | 34.3 | 1.5 | 35.8 | 74.0 | -38.2 | Peak | Horizontal |
| | 7434.500 | 33.0 | 9.5 | 42.5 | 74.0 | -31.5 | Peak | Horizontal |
| | 3796.500 | 36.8 | -1.5 | 35.3 | 74.0 | -38.7 | Peak | Vertical |
| | 4876.000 | 35.9 | 1.5 | 37.4 | 74.0 | -36.6 | Peak | Vertical |
| | 7638.500 | 33.1 | 8.8 | 41.9 | 74.0 | -32.1 | Peak | Vertical |
| 11 | 4026.000 | 36.4 | -2.0 | 34.4 | 74.0 | -39.6 | Peak | Horizontal |
| | 4731.500 | 33.7 | 1.5 | 35.2 | 74.0 | -38.8 | Peak | Horizontal |
| | 7502.500 | 32.5 | 9.3 | 41.8 | 74.0 | -32.2 | Peak | Horizontal |
| | 4060.000 | 36.1 | -1.6 | 34.5 | 74.0 | -39.5 | Peak | Vertical |
| | 4791.000 | 35.6 | 1.4 | 37.0 | 74.0 | -37.0 | Peak | Vertical |
| | 7468.500 | 33.3 | 9.3 | 42.6 | 74.0 | -31.4 | Peak | Vertical |

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

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

| | | | |
|-----------|---|---------------|---------------|
| Test Site | NS-AC1 | Test Engineer | Flag Yang |
| Test Date | 2022-06-06 | Test Mode: | 802.11ax-HE40 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

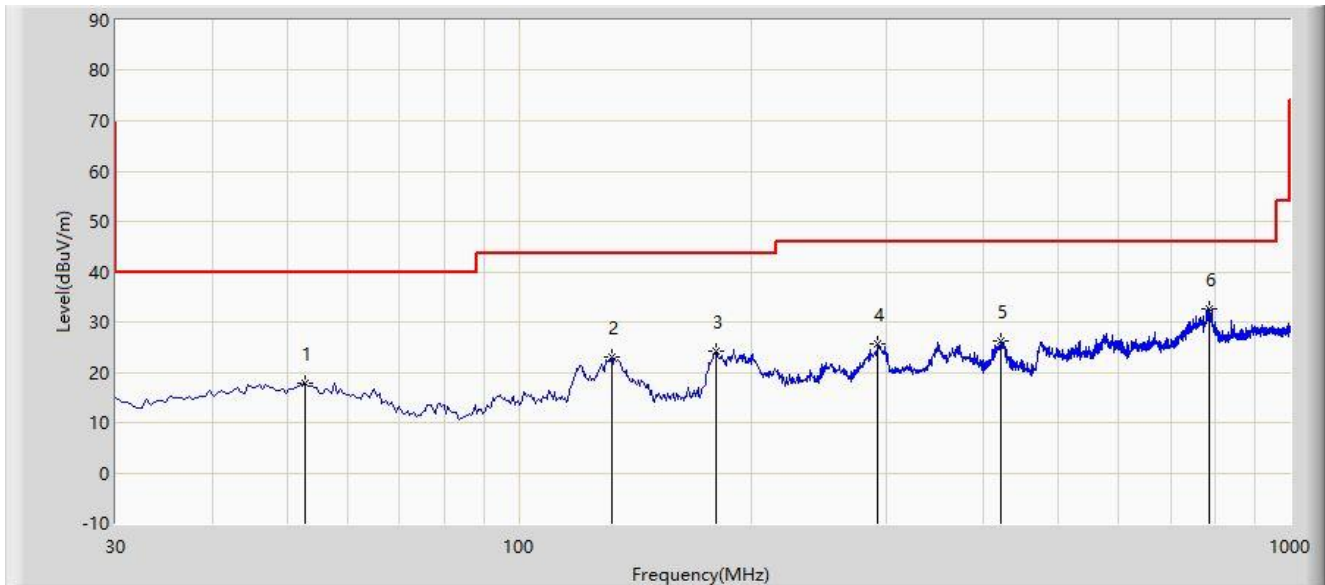
| Test Channel | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB/m) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|--------------|-----------------|----------------------------|---------------|------------------------------|----------------------|-------------|----------|--------------|
| 03 | 4323.500 | 37.4 | -0.2 | 37.2 | 74.0 | -36.8 | Peak | Horizontal |
| | 4901.500 | 36.0 | 1.2 | 37.2 | 74.0 | -36.8 | Peak | Horizontal |
| | 7502.500 | 32.8 | 9.3 | 42.1 | 74.0 | -31.9 | Peak | Horizontal |
| | 4119.500 | 36.2 | -1.2 | 35.0 | 74.0 | -39.0 | Peak | Vertical |
| | 4927.000 | 36.8 | 1.4 | 38.2 | 74.0 | -35.8 | Peak | Vertical |
| | 7366.500 | 33.8 | 9.3 | 43.1 | 74.0 | -30.9 | Peak | Vertical |
| 06 | 3864.500 | 36.6 | -1.8 | 34.8 | 74.0 | -39.2 | Peak | Horizontal |
| | 4791.000 | 35.3 | 1.4 | 36.7 | 74.0 | -37.3 | Peak | Horizontal |
| | 7468.500 | 33.3 | 9.3 | 42.6 | 74.0 | -31.4 | Peak | Horizontal |
| | 3949.500 | 37.6 | -1.9 | 35.7 | 74.0 | -38.3 | Peak | Vertical |
| | 4689.000 | 35.3 | 1.7 | 37.0 | 74.0 | -37.0 | Peak | Vertical |
| | 7638.500 | 33.3 | 8.8 | 42.1 | 74.0 | -31.9 | Peak | Vertical |
| 09 | 4077.000 | 36.2 | -1.6 | 34.6 | 74.0 | -39.4 | Peak | Horizontal |
| | 4621.000 | 36.1 | 1.5 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| | 7468.500 | 32.9 | 9.3 | 42.2 | 74.0 | -31.8 | Peak | Horizontal |
| | 3898.500 | 37.8 | -1.8 | 36.0 | 74.0 | -38.0 | Peak | Vertical |
| | 4927.000 | 36.1 | 1.4 | 37.5 | 74.0 | -36.5 | Peak | Vertical |
| | 7502.500 | 32.0 | 9.3 | 41.3 | 74.0 | -32.7 | Peak | Vertical |

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

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

The Worst-Case Result of Radiated Emission below 1GHz:

| | |
|---|-----------------------|
| Site: NS-AC1 | Test Date: 2022-06-09 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Flag Yang |
| Probe: NS-AC1_VULB9162 | Polarity: Horizontal |
| EUT: Wireless Router | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at 2412MHz | |



| No | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|----|------|-----------------|------------------------|----------------------|-------------|----------------|---------------|------|
| 1 | | 52.795 | 17.757 | 0.361 | -22.243 | 40.000 | 17.396 | PK |
| 2 | | 131.850 | 22.925 | 10.850 | -20.575 | 43.500 | 12.076 | PK |
| 3 | | 179.865 | 24.231 | 11.100 | -19.269 | 43.500 | 13.132 | PK |
| 4 | | 292.385 | 25.534 | 8.634 | -20.466 | 46.000 | 16.900 | PK |
| 5 | | 420.910 | 26.111 | 6.370 | -19.889 | 46.000 | 19.740 | PK |
| 6 | * | 784.660 | 32.722 | 7.052 | -13.278 | 46.000 | 25.670 | PK |

Note 1: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.