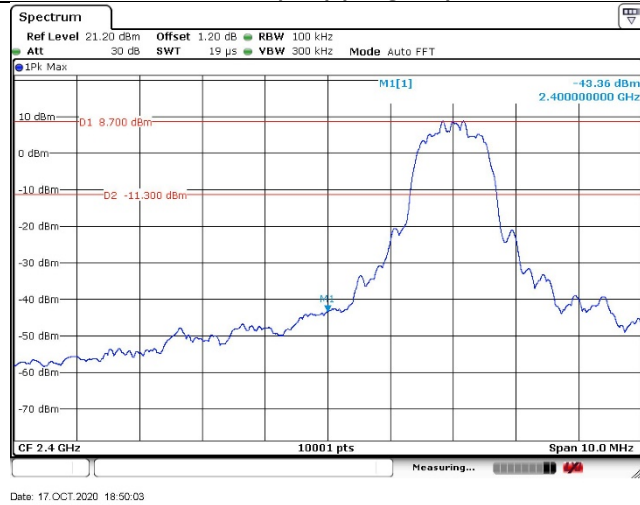


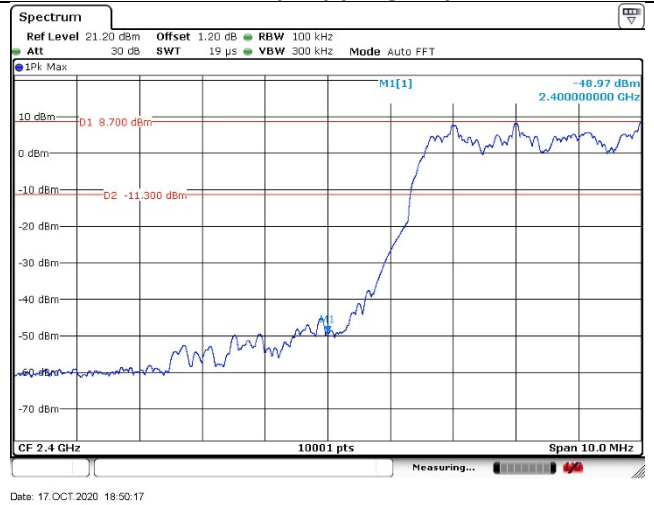
## 8DPSK

CH0 (Hopping off)



Date: 17.OCT.2020 18:50:03

CH0 (Hopping on)



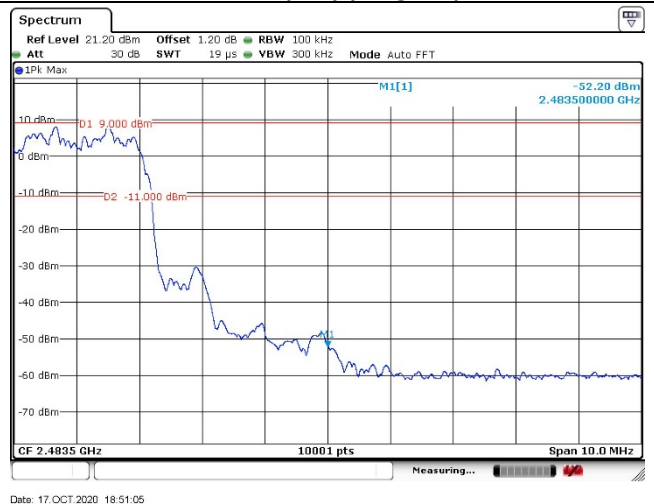
Date: 17.OCT.2020 18:50:17

CH79 (Hopping off)



Date: 17.OCT.2020 18:50:53

CH79 (Hopping on)



Date: 17.OCT.2020 18:51:05

## APPENDIX B – TEST DATA OF RADIATED EMISSION

### Radiated Emission Band Edge

The worst case attitude: The mobile lay down.

The measurement results are obtained as described below:

Measure Level = Reading Level + cable loss + antenna factor

Sample calculation: (100.37dBuV/m) = (66.37dBuV) + (8.90 dB) + (25.101/m), the corresponding frequency is 2402MHz.

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: GFSK

Polarity: Vertical

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 100.37                 | 66.37                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 46.54                  | 12.54                | -27.46          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: GFSK

Polarity: Horizontal

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 95.96                  | 61.96                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 44.77                  | 10.77                | -29.23          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: GFSK

Polarity: Vertical

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 96.40                  | 62.40                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 36.14                  | 2.14                 | -17.86          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: GFSK

Polarity: Horizontal

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 91.08                  | 57.08                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 34.46                  | 0.46                 | -19.54          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode: GFSK  
Polarity: Vertical  
Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 102.09                 | 68.09                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 48.53                  | 14.53                | -25.47          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode: GFSK  
Polarity: Horizontal  
Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 95.61                  | 61.61                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 41.83                  | 7.83                 | -32.17          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode: GFSK  
Polarity: Vertical  
Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 92.58                  | 58.58                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 35.20                  | 1.20                 | -18.80          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode: GFSK  
Polarity: Horizontal  
Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 89.43                  | 55.43                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 35.72                  | 1.72                 | -18.28          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode:  $\pi/4$ DQPSK

Polarity: Vertical

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 101.03                 | 67.03                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 46.96                  | 12.96                | -27.04          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode:  $\pi/4$ DQPSK

Polarity: Horizontal

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 95.39                  | 61.39                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 43.81                  | 9.81                 | -30.19          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode:  $\pi/4$ DQPSK

Polarity: Vertical

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 93.96                  | 59.96                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 35.79                  | 1.79                 | -18.21          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode:  $\pi/4$ DQPSK

Polarity: Horizontal

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 91.61                  | 57.61                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 35.28                  | 1.28                 | -18.72          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480

Channel No.:78

Test Mode:  $\pi/4$ DQPSK

Polarity: Vertical

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 102.39                 | 68.39                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 47.30                  | 13.30                | -26.70          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480

Channel No.:78

Test Mode:  $\pi/4$ DQPSK

Polarity: Horizontal

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 95.05                  | 61.05                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 44.16                  | 10.16                | -29.84          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480

Channel No.:78

Test Mode:  $\pi/4$ DQPSK

Polarity: Vertical

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 93.03                  | 59.03                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 36.19                  | 2.19                 | -17.81          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480

Channel No.:78

Test Mode:  $\pi/4$ DQPSK

Polarity: Horizontal

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 91.77                  | 57.77                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 35.20                  | 1.20                 | -18.80          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: 8DPSK

Polarity: Vertical

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 101.41                 | 67.41                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 49.88                  | 15.88                | -24.12          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: 8DPSK

Polarity: Horizontal

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 95.99                  | 61.99                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 42.70                  | 8.70                 | -31.30          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: 8DPSK

Polarity: Vertical

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 94.57                  | 60.57                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 36.40                  | 2.40                 | -17.60          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: 8DPSK

Polarity: Horizontal

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2402            | 92.93                  | 58.93                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2390            | 36.02                  | 2.02                 | -17.98          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480

Channel No.:78

Test Mode: 8DPSK

Polarity: Vertical

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 102.26                 | 68.26                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 49.38                  | 15.38                | -24.62          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480

Channel No.:78

Test Mode: 8DPSK

Polarity: Horizontal

Detector: Peak

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 94.09                  | 60.09                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 45.17                  | 11.17                | -28.83          | 74.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480

Channel No.:78

Test Mode: 8DPSK

Polarity: Vertical

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 93.74                  | 59.74                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 35.25                  | 1.25                 | -18.75          | 54.00          | 8.90            | 25.10                |

Carrier frequency (MHz): 2480

Channel No.:78

Test Mode: 8DPSK

Polarity: Horizontal

Detector: Average

| No | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | cable loss (dB) | antenna factor (1/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|----------------------|
| 1  | 2480            | 88.91                  | 54.91                | N/A             | N/A            | 8.90            | 25.10                |
| 2  | 2483.5          | 34.48                  | 0.48                 | -19.52          | 54.00          | 8.90            | 25.10                |

## Sample Calculations

### Determining Spurious Emissions Levels

A “reference path loss” is established and the  $A_{Rpl}$  is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{mea}} + A_{\text{Rpl}}$$

Sample calculation:  $(35.2\text{dB}\mu\text{V/m}) = (56.5\text{dB}\mu\text{V/m}) + (-21.3\text{dB})$ , the corresponding frequency is 68.791MHz.

The worst case attitude: The mobile lay down.

For GFSK

Channel No.:0

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 68.791          | 35.2            | -21.3     | 56.5          | Vertical | 40.00          |
| 69.0335         | 33.96           | -21.3     | 55.26         | Vertical | 40.00          |
| 72.0355         | 34.25           | -22.1     | 56.35         | Vertical | 40.00          |
| 72.3495         | 35.01           | -22.2     | 57.21         | Vertical | 40.00          |
| 72.4465         | 35.47           | -22.2     | 57.67         | Vertical | 40.00          |
| 72.472          | 35.68           | -22.2     | 57.88         | Vertical | 40.00          |

For  $\pi/4$ DQPSK

Channel No.:0

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 69.0565         | 35.16           | -21.3     | 56.46         | Vertical | 40.00          |
| 69.082          | 34.71           | -21.3     | 56.01         | Vertical | 40.00          |
| 72.0405         | 34.69           | -22.1     | 56.79         | Vertical | 40.00          |
| 72.175          | 34.76           | -22.1     | 56.86         | Vertical | 40.00          |
| 72.7375         | 35              | -22.3     | 57.3          | Vertical | 40.00          |
| 72.8515         | 35.38           | -22.3     | 57.68         | Vertical | 40.00          |

For 8DPSK

Channel No.:0

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 68.923          | 33.49           | -21.3     | 54.79         | Vertical | 40.00          |
| 69.208          | 34.73           | -21.4     | 56.13         | Vertical | 40.00          |
| 72.614          | 35.43           | -22.2     | 57.63         | Vertical | 40.00          |
| 72.666          | 34.59           | -22.2     | 56.79         | Vertical | 40.00          |
| 72.7            | 35.59           | -22.2     | 57.79         | Vertical | 40.00          |
| 72.7595         | 35.09           | -22.3     | 57.39         | Vertical | 40.00          |

For GFSK

Channel No.:39

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 68.8395         | 33.74           | -21.3     | 55.04         | Vertical | 40.00          |
| 68.9545         | 34.21           | -21.3     | 55.51         | Vertical | 40.00          |
| 68.985          | 33.48           | -21.3     | 54.78         | Vertical | 40.00          |
| 72.3495         | 34.7            | -22.2     | 56.9          | Vertical | 40.00          |
| 72.472          | 35.03           | -22.2     | 57.23         | Vertical | 40.00          |
| 72.649          | 35.08           | -22.2     | 57.28         | Vertical | 40.00          |

For  $\pi/4$ DQPSK

Channel No.:39

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 68.9025         | 35.04           | -21.3     | 56.34         | Vertical | 40.00          |
| 69.048          | 34.47           | -21.3     | 55.77         | Vertical | 40.00          |
| 69.2055         | 35.18           | -21.4     | 56.58         | Vertical | 40.00          |
| 72.2345         | 31.19           | -22.1     | 53.29         | Vertical | 40.00          |
| 72.358          | 32.5            | -22.2     | 54.7          | Vertical | 40.00          |
| 72.4805         | 31.81           | -22.2     | 54.01         | Vertical | 40.00          |

For 8DPSK

Channel No.:39

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 68.6515         | 33.08           | -21.2     | 54.28         | Vertical | 40.00          |
| 68.8455         | 31.5            | -21.3     | 52.8          | Vertical | 40.00          |
| 68.9485         | 31.81           | -21.3     | 53.11         | Vertical | 40.00          |
| 69.311          | 30.57           | -21.4     | 51.97         | Vertical | 40.00          |
| 78.337          | 32.02           | -23.6     | 55.62         | Vertical | 40.00          |
| 78.44           | 31.35           | -23.6     | 54.95         | Vertical | 40.00          |

For GFSK

Channel No.:78

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 72.5655         | 31.8            | -22.2     | 54            | Vertical | 40.00          |
| 72.751          | 33.01           | -22.3     | 55.31         | Vertical | 40.00          |
| 72.8565         | 32.89           | -22.3     | 55.19         | Vertical | 40.00          |
| 85.453          | 32.24           | -22.1     | 54.34         | Vertical | 40.00          |
| 85.863          | 31.63           | -22       | 53.63         | Vertical | 40.00          |
| 85.96           | 31.98           | -21.9     | 53.88         | Vertical | 40.00          |

For  $\pi/4$ DQPSK

Channel No.:78

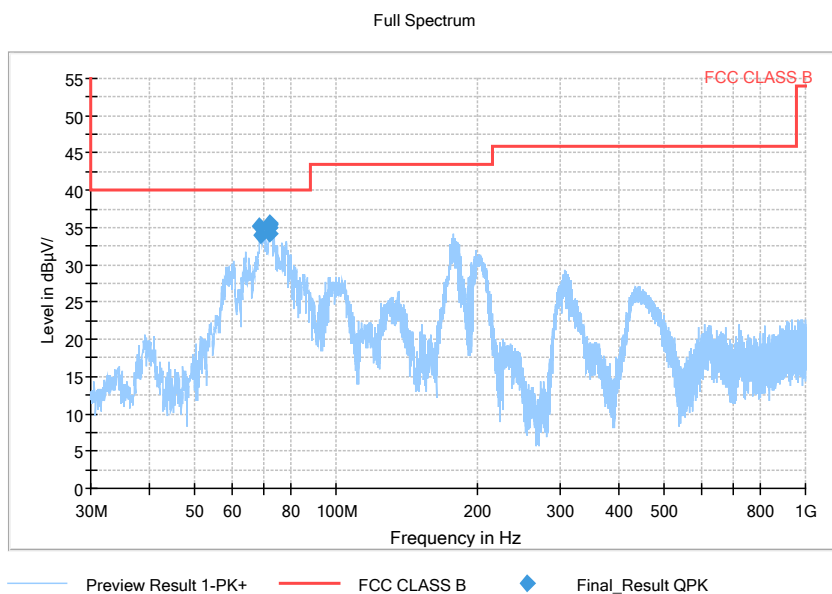
| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 69.082          | 33.31           | -21.3     | 54.61         | Vertical | 40.00          |
| 69.1085         | 32.82           | -21.4     | 54.22         | Vertical | 40.00          |
| 72.7145         | 31.19           | -22.2     | 53.39         | Vertical | 40.00          |
| 80.431          | 33.87           | -23.8     | 57.67         | Vertical | 40.00          |
| 80.528          | 33.68           | -23.8     | 57.48         | Vertical | 40.00          |
| 81.207          | 33.49           | -23.5     | 56.99         | Vertical | 40.00          |

For 8DPSK

Channel No.:78

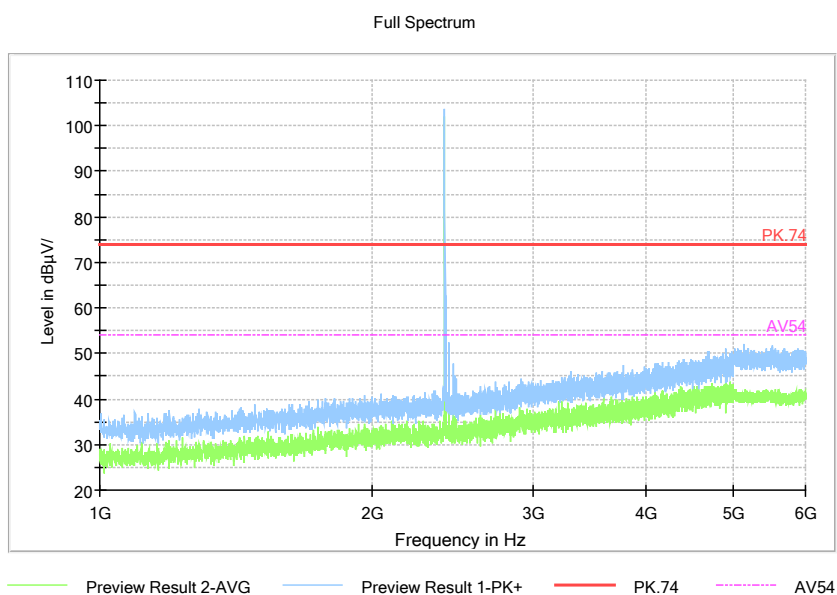
| Frequency (MHz) | Result (dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-----------|---------------|----------|----------------|
| 78.509          | 35.22           | -23.6     | 58.82         | Vertical | 40.00          |
| 78.5855         | 35.2            | -23.6     | 58.8          | Vertical | 40.00          |
| 78.6            | 35.18           | -23.6     | 58.78         | Vertical | 40.00          |
| 78.6025         | 35.09           | -23.6     | 58.69         | Vertical | 40.00          |
| 79.2245         | 33.1            | -23.8     | 56.9          | Vertical | 40.00          |
| 79.461          | 33.84           | -23.8     | 57.64         | Vertical | 40.00          |

Carrier frequency (MHz): 2402  
Channel No.:0



Comment

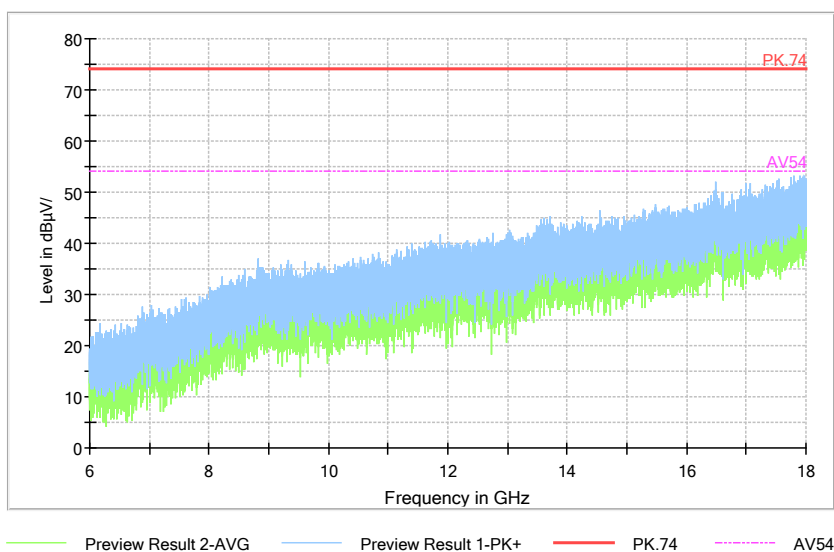
Frequency Range: 30MHz-1000MHz  
Detector: QP mode  
Modulation type: GFSK



Comment

Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

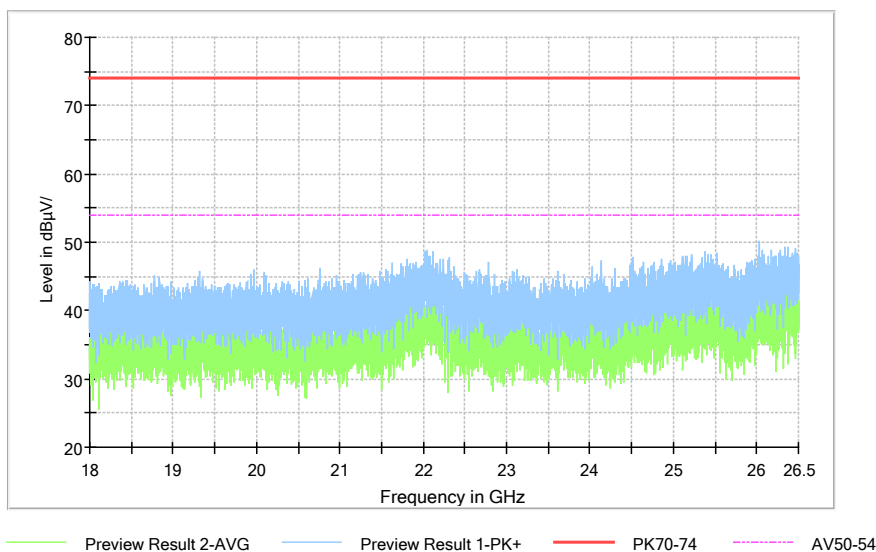
Full Spectrum



Comment

Frequency Range: 6GHz- 18GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

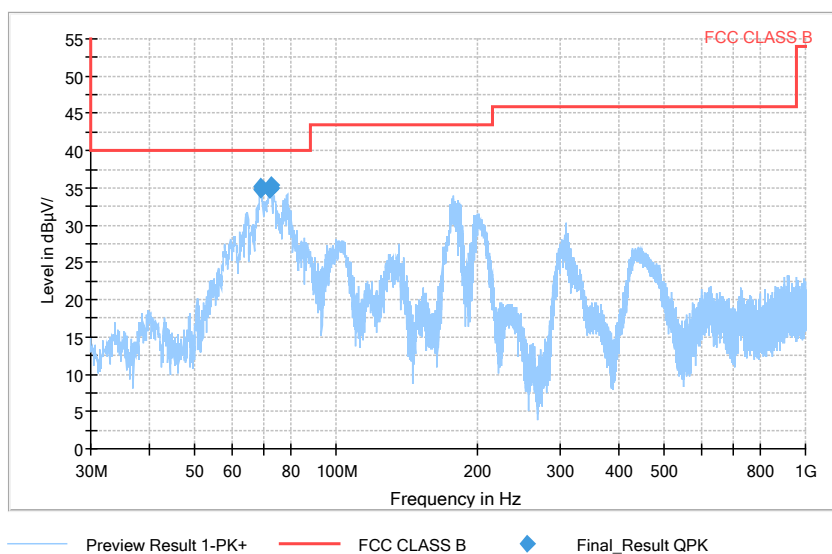
Full Spectrum



Comment

FrequencyRange: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

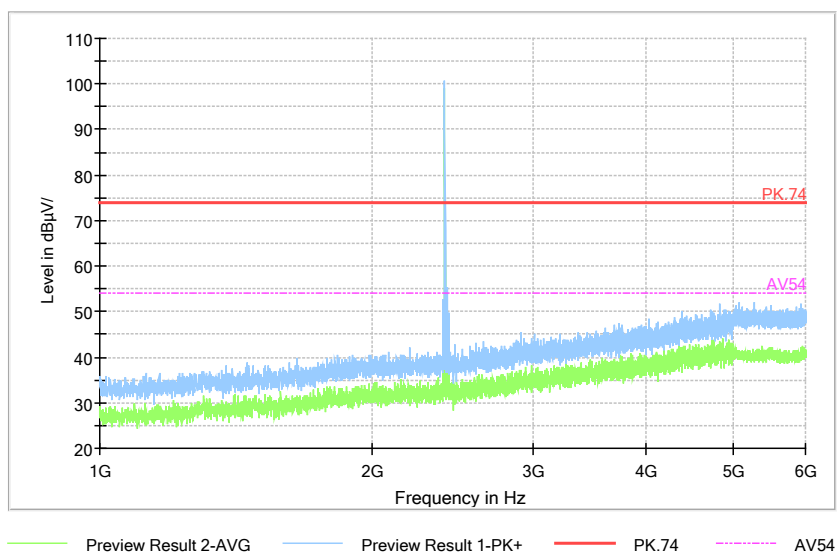
Full Spectrum



Comment

FrequencyRange: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

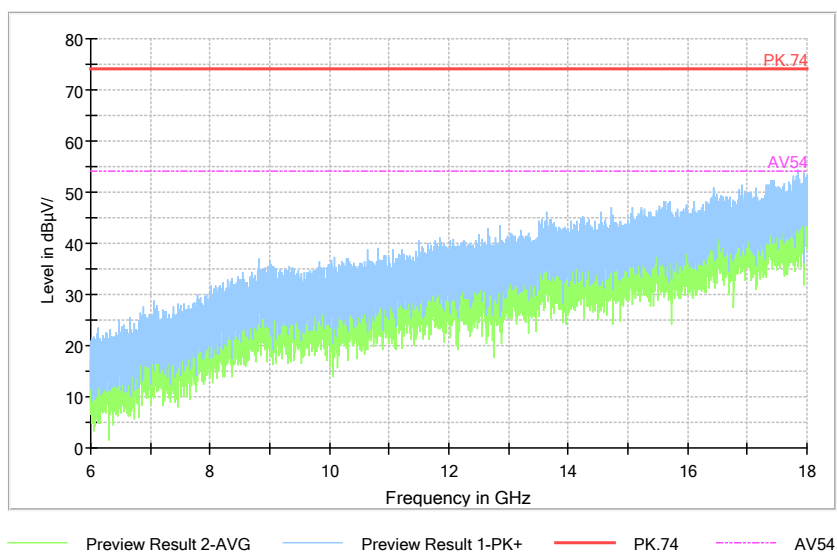
Full Spectrum



Comment

Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

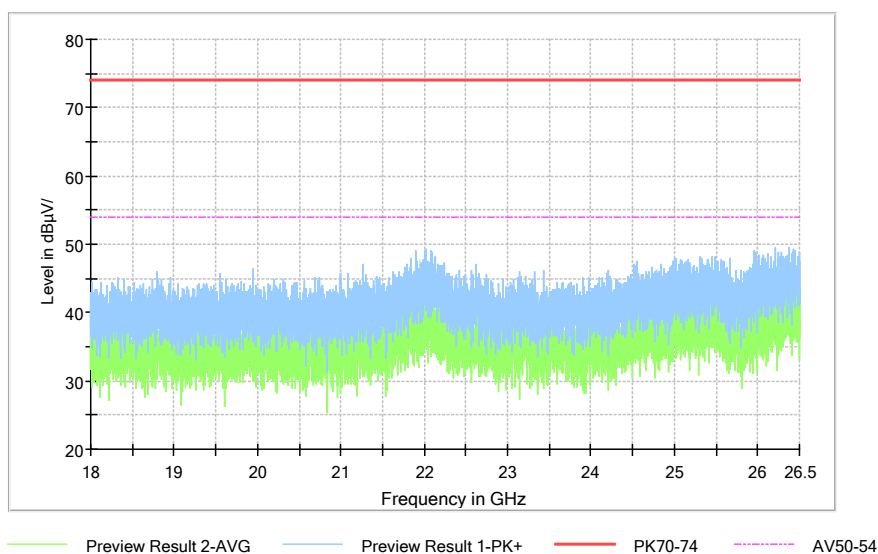
Full Spectrum



Comment

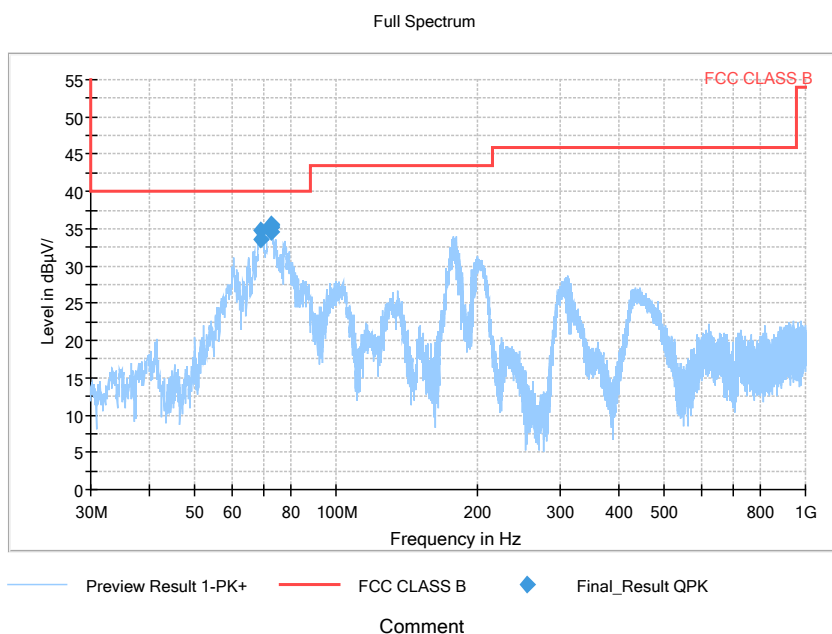
Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum

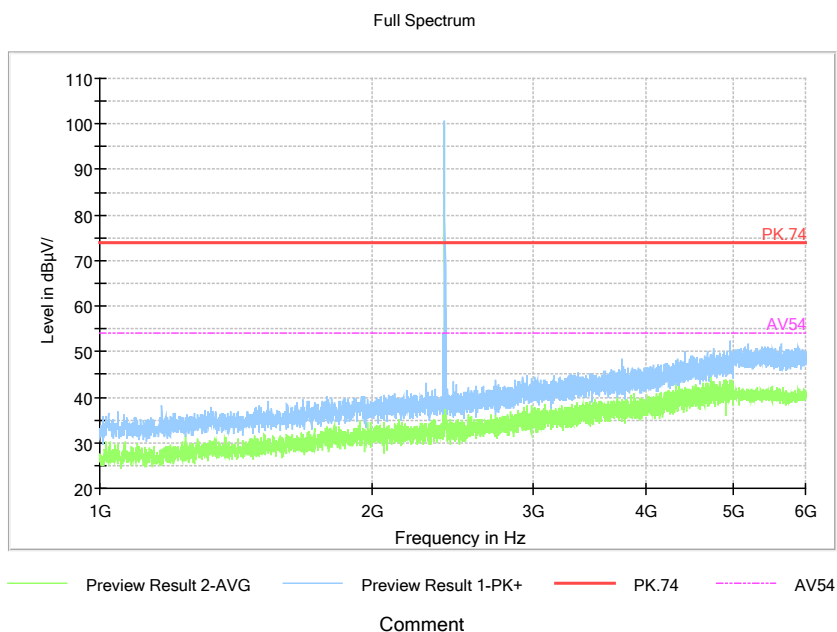


Comment

Frequency Range: 18GHz-26.5GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

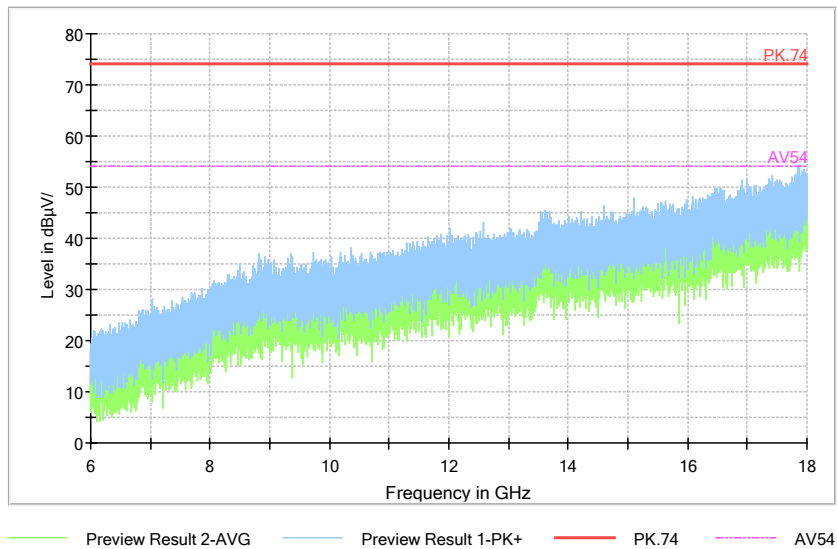


FrequencyRange: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type: 8DPSK



Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

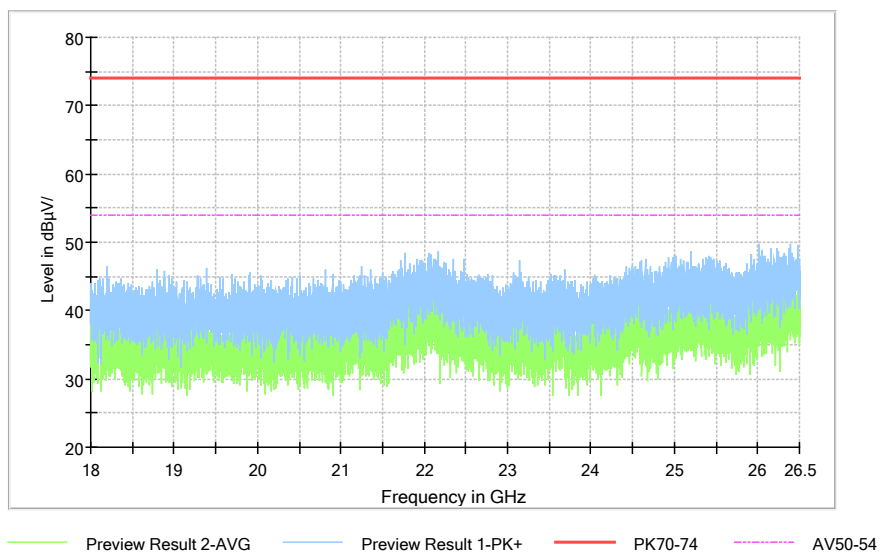
Full Spectrum



Comment

Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum

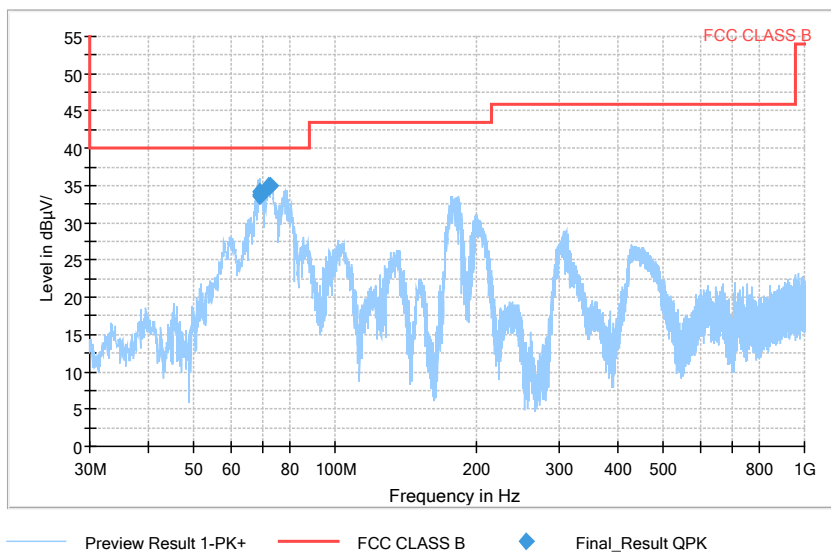


Comment

Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Carrier frequency (MHz): 2441  
Channel No.:39

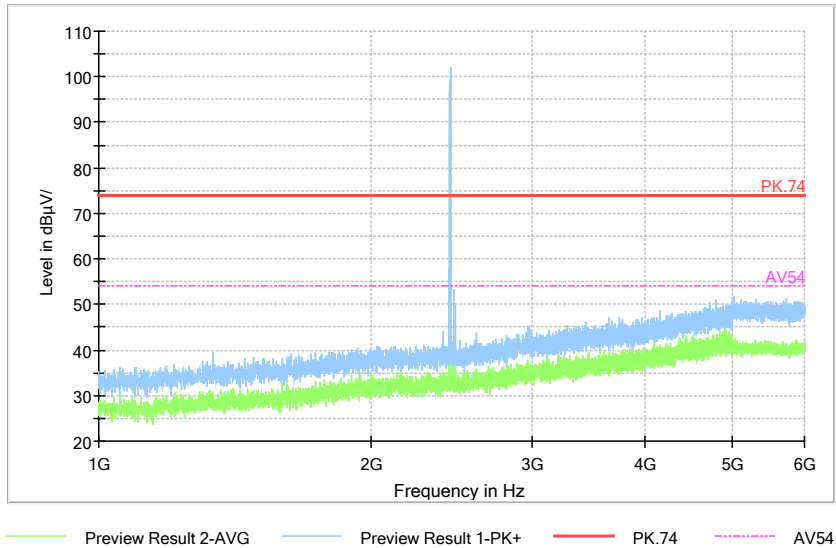
Full Spectrum



Comment

Frequency Range: 30MHz-1000MHz  
Detector: QP mode  
Modulation type: GFSK

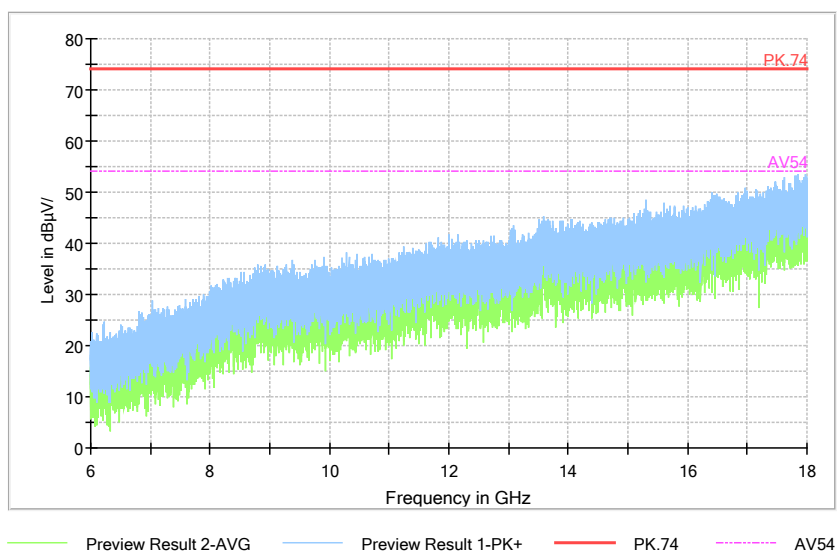
Full Spectrum



Comment

Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

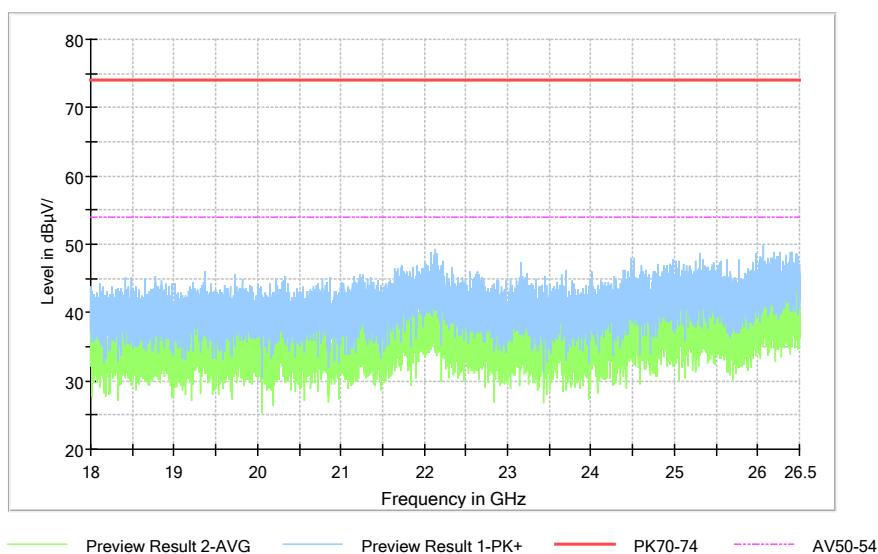
Full Spectrum



Comment

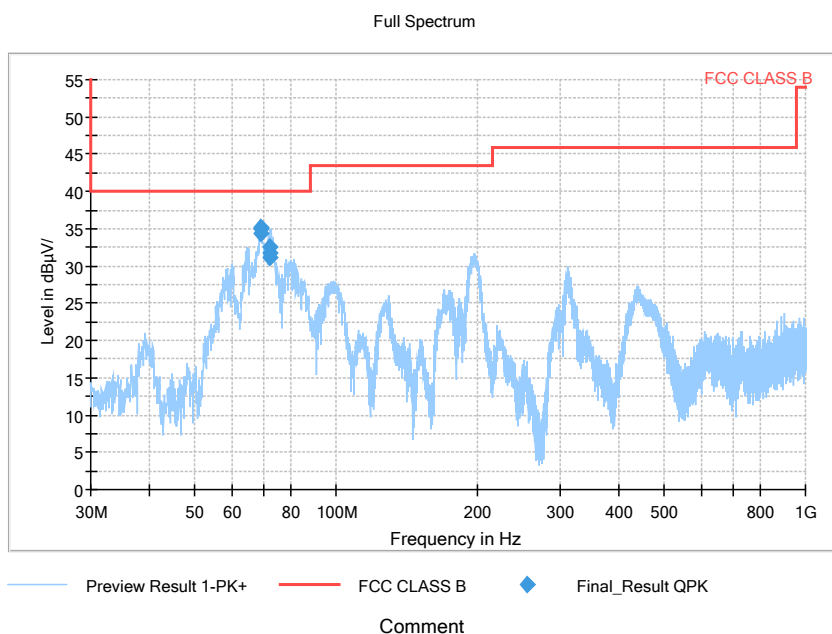
Frequency Range: 6GHz- 18GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum

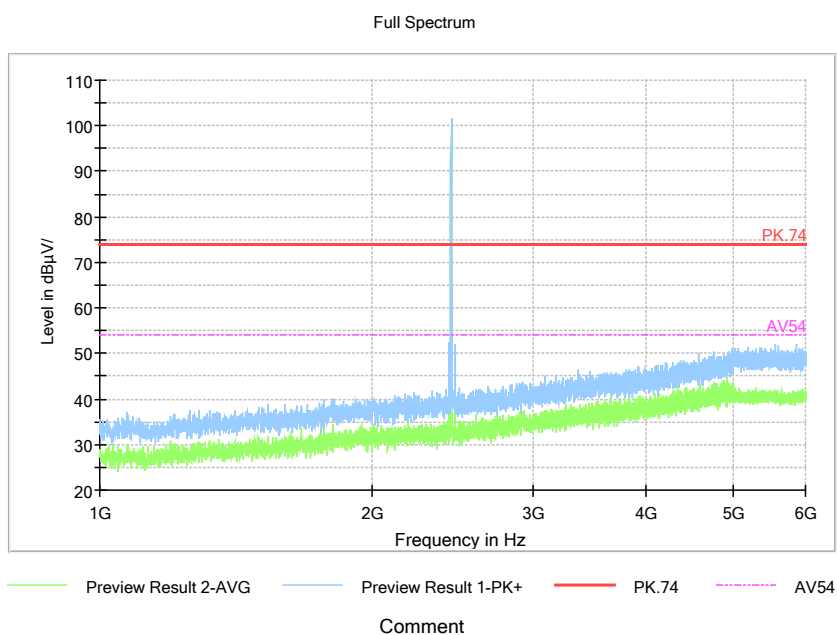


Comment

FrequencyRange: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

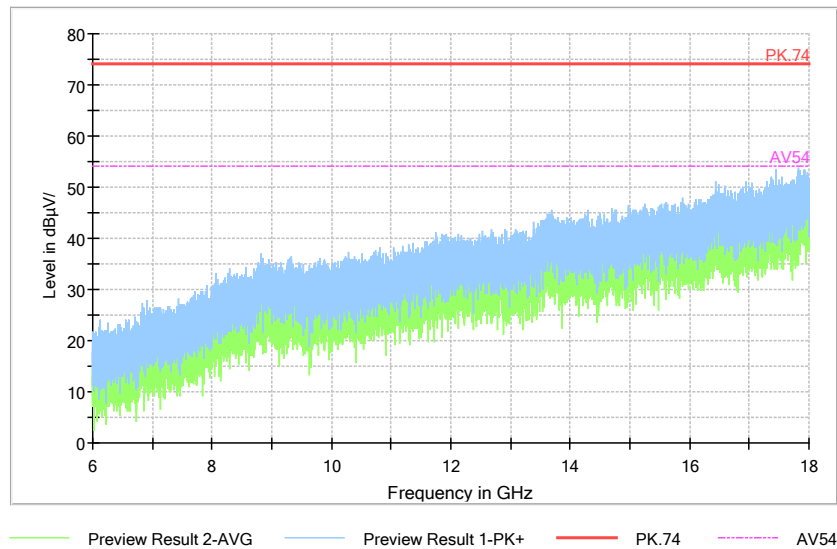


FrequencyRange: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK



Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

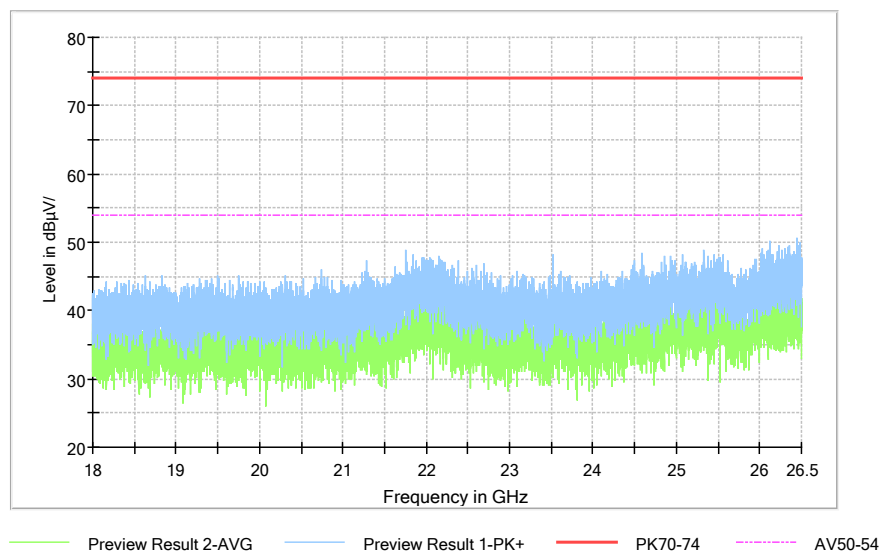
Full Spectrum



Comment

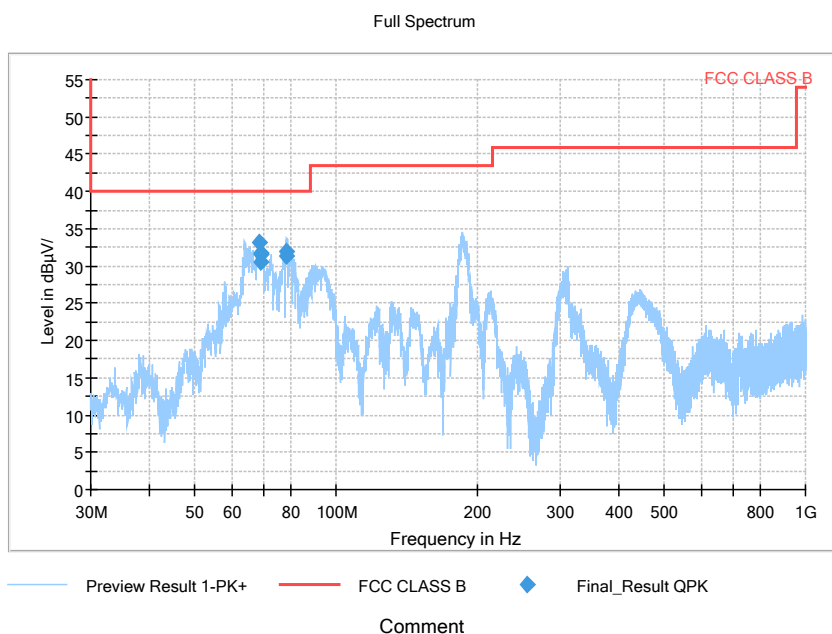
Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum

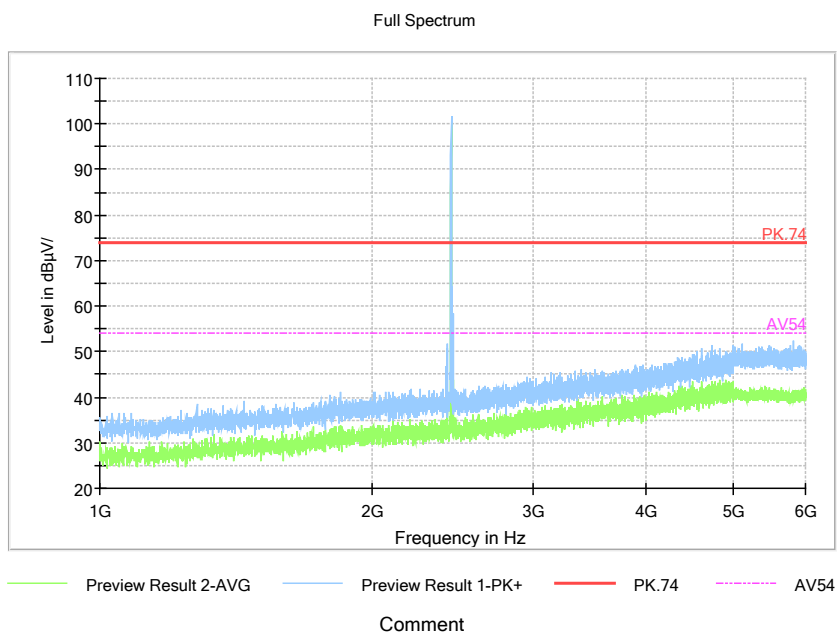


Comment

Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

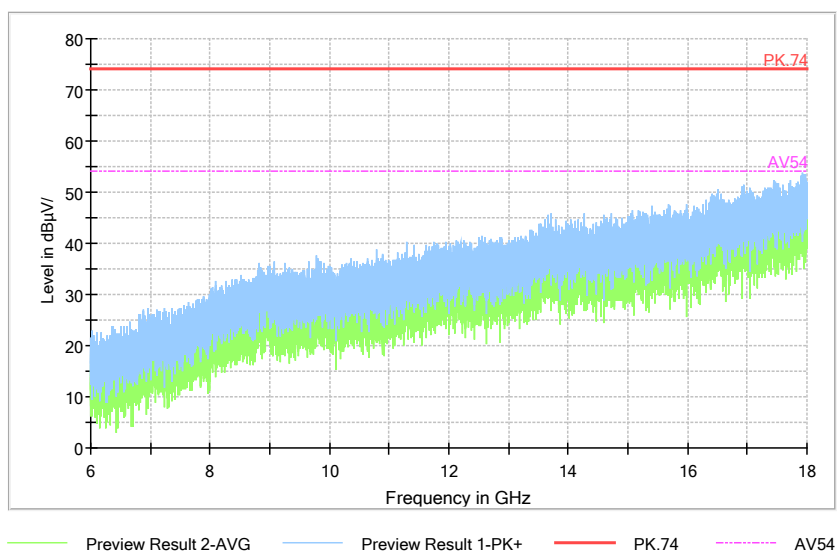


FrequencyRange: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type: 8DPSK



Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

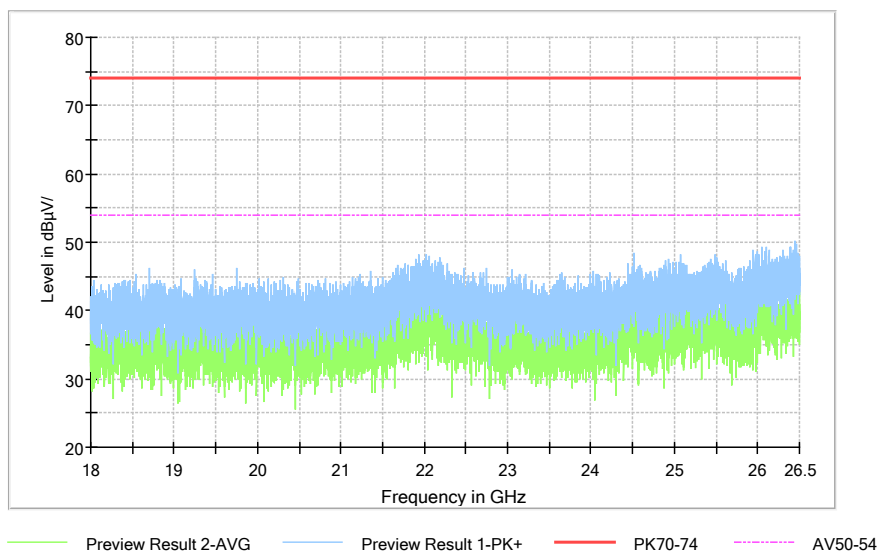
Full Spectrum



Comment

Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

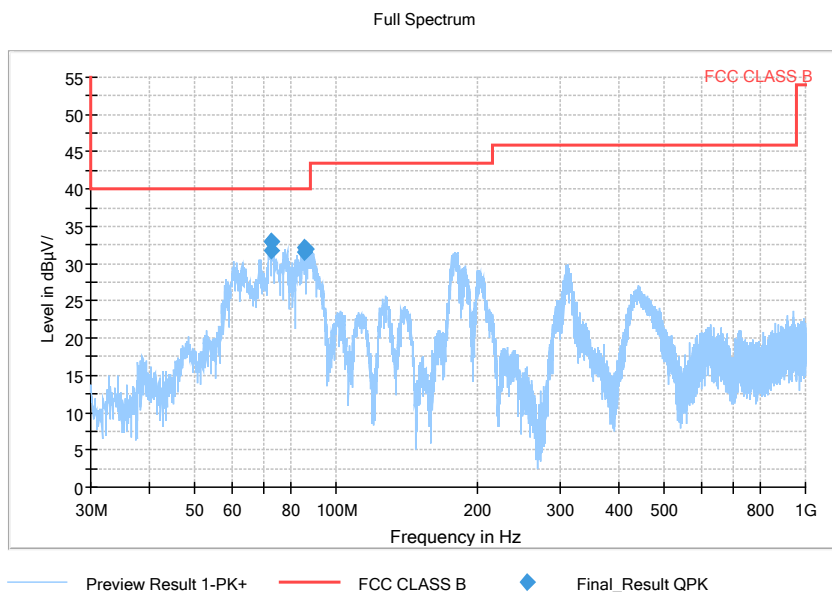
Full Spectrum



Comment

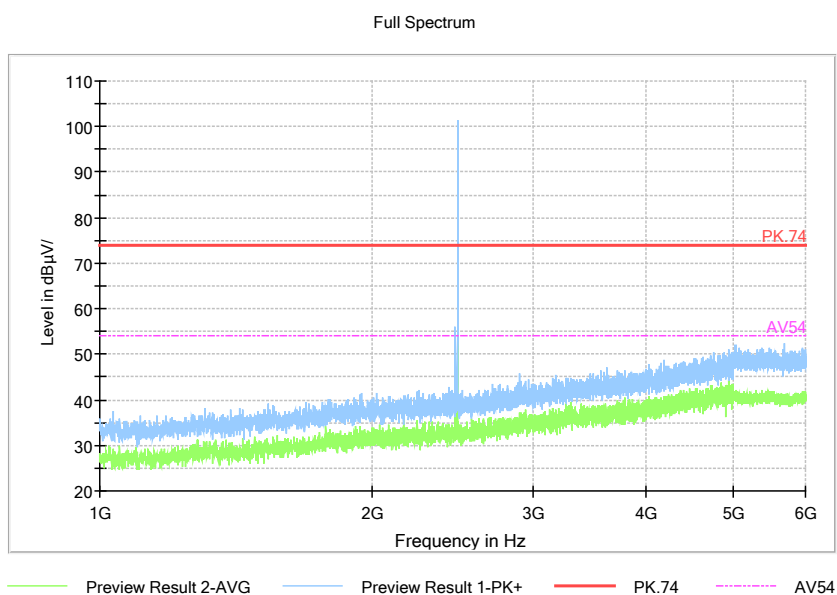
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Carrier frequency (MHz): 2480  
Channel No.:78



Comment

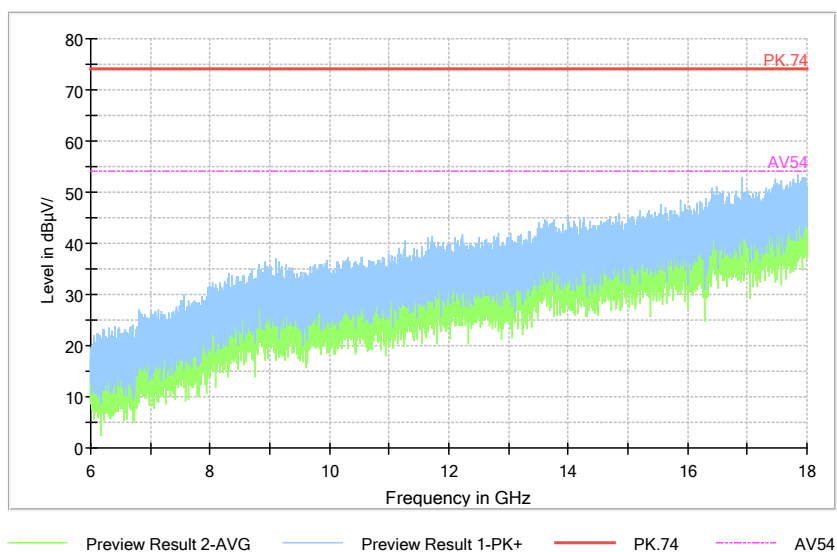
Frequency Range: 30MHz-1000MHz  
Detector: QP mode  
Modulation type: GFSK



Comment

Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

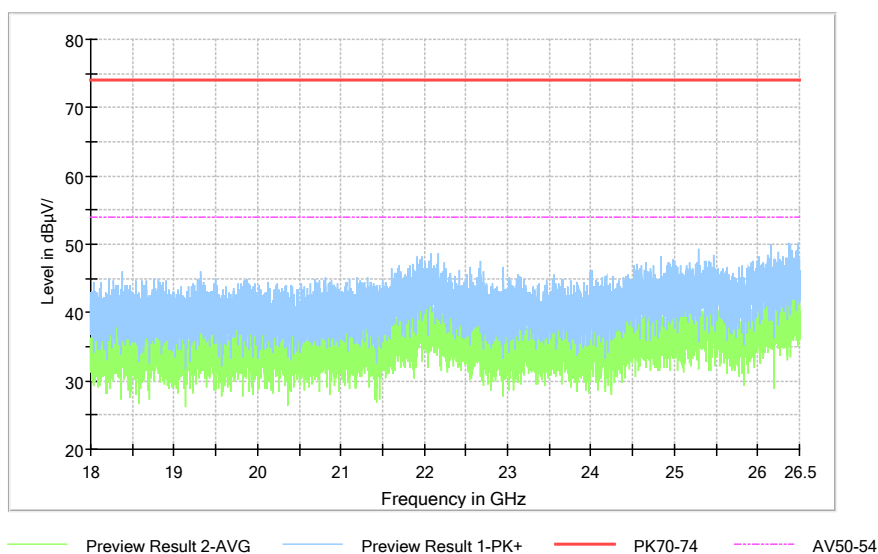
Full Spectrum



Comment

Frequency Range: 6GHz- 18GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

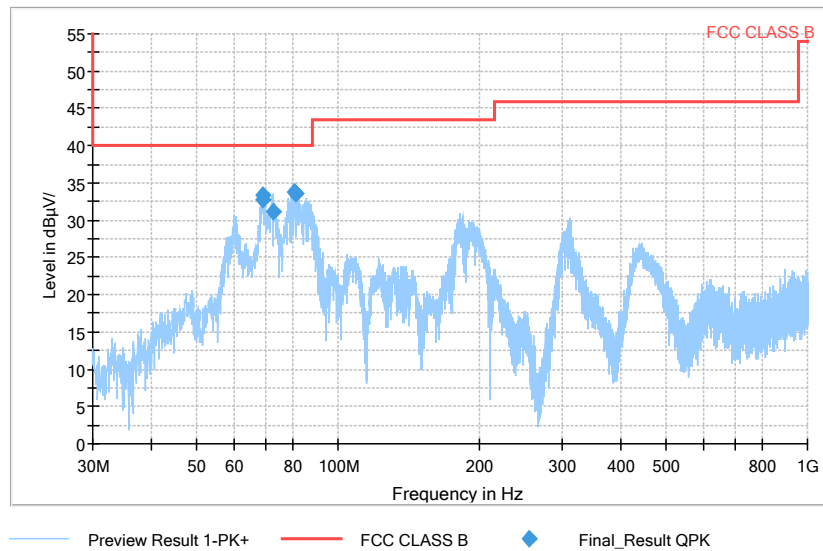
Full Spectrum



Comment

FrequencyRange: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

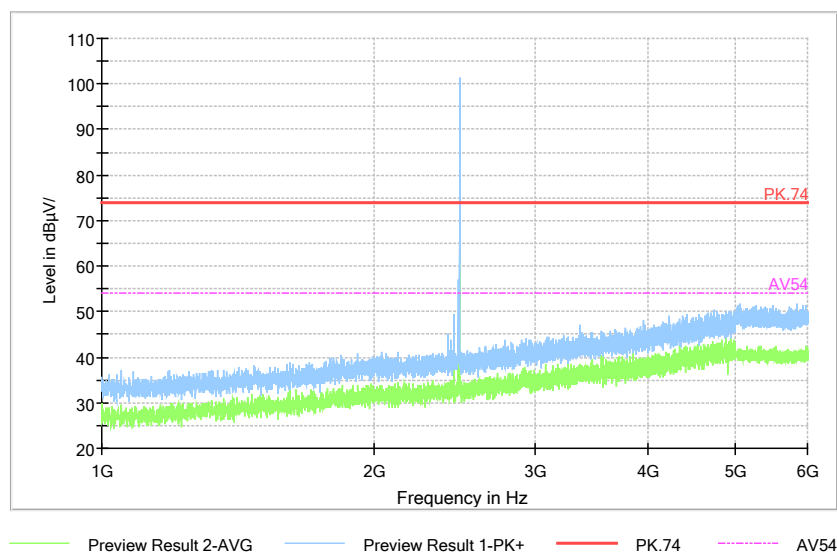
Full Spectrum



Comment

FrequencyRange: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

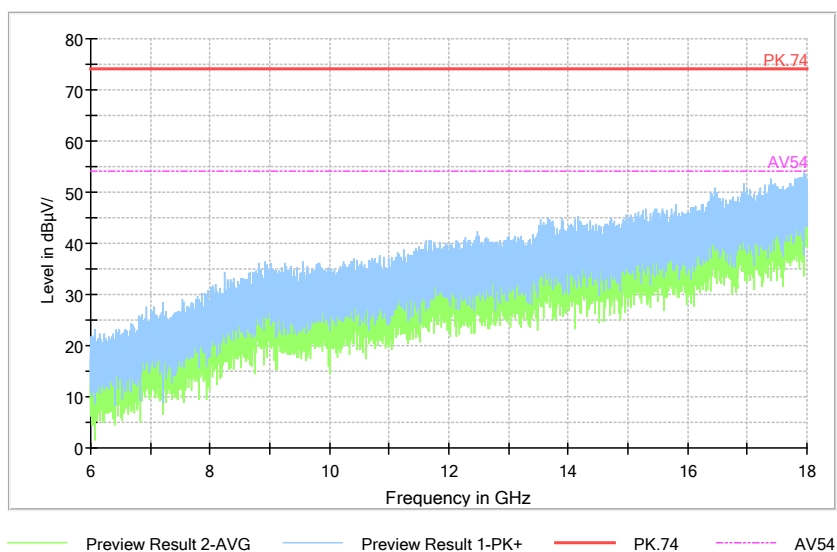
Full Spectrum



Comment

Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

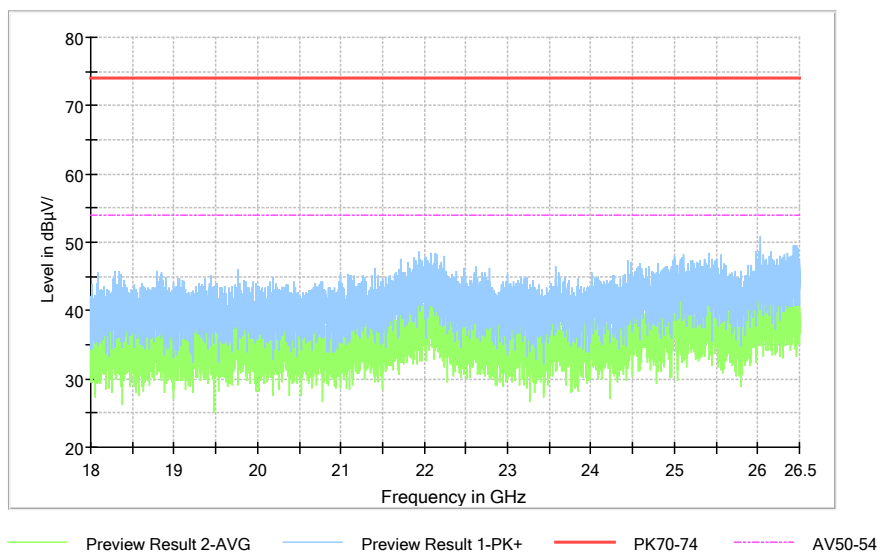
Full Spectrum



Comment

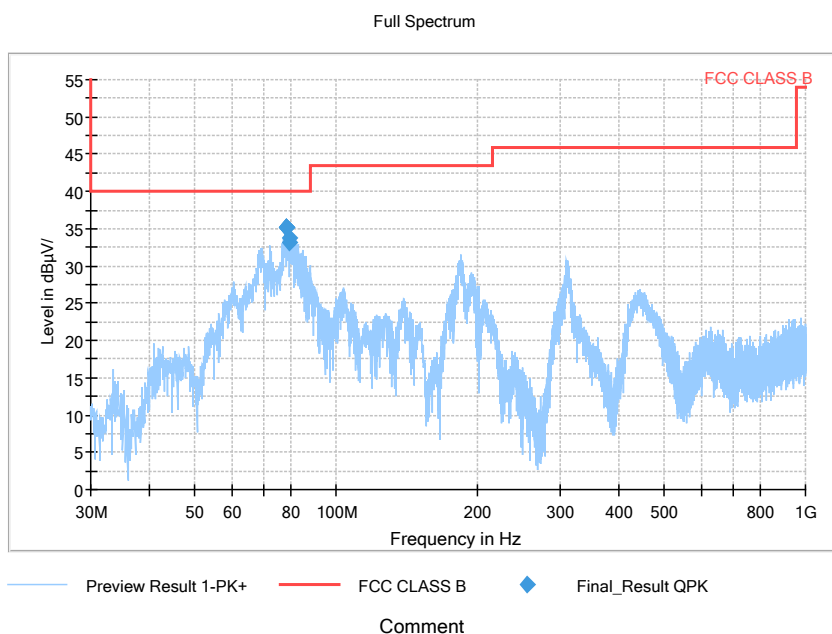
Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum

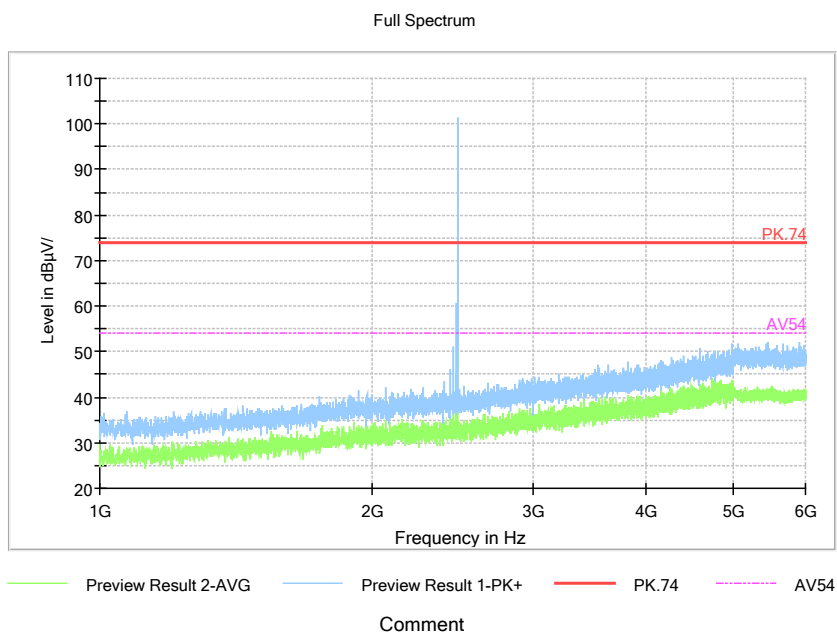


Comment

Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

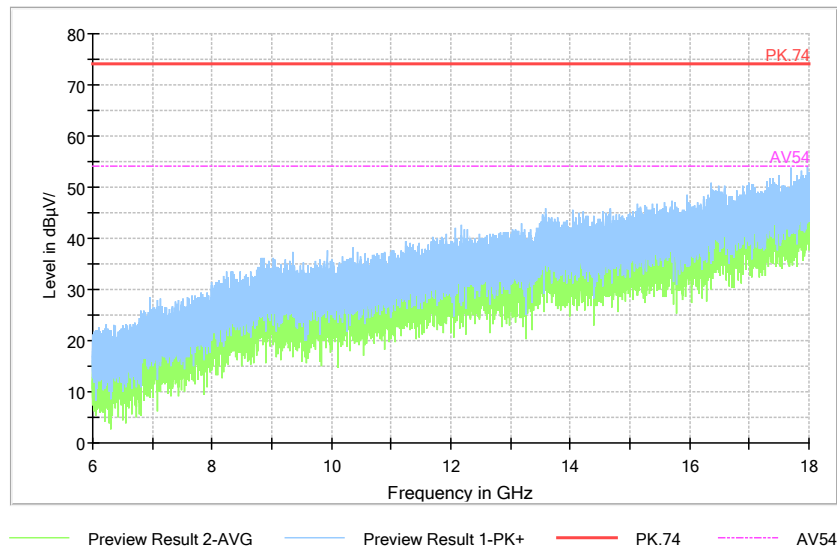


FrequencyRange: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type: 8DPSK



Frequency Range: 1GHz-6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

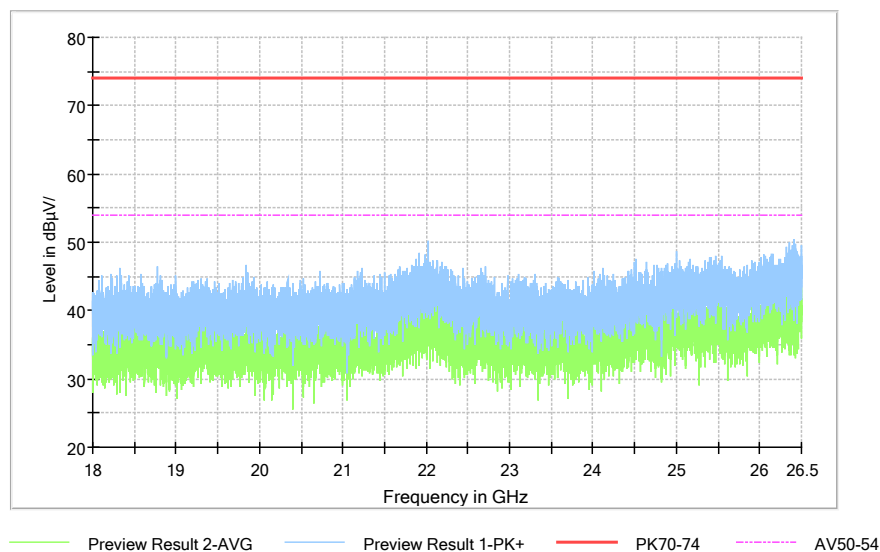
Full Spectrum



Comment

Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



Comment

Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

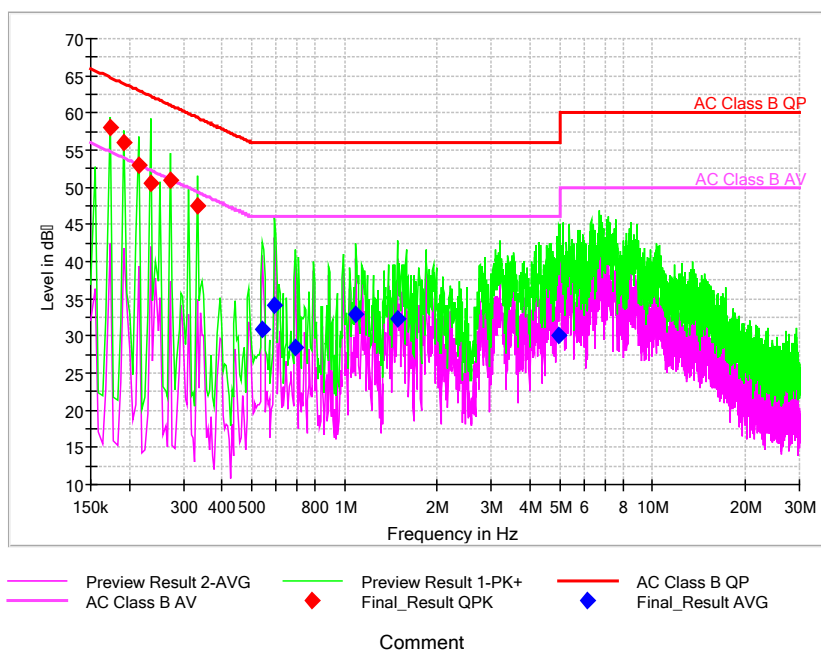
## AC Power line Conducted Emission

A "reference path loss" Corr.(dB) is established and the  $L_{\text{cable}} + \text{ATT} + \text{VDF}$  is the attenuation of "reference path loss", and including the cable loss, the attenuation of the attenuator, the voltage division factor of AMN.

The measurement results are obtained as described below:

$$P_{\text{result}} = P_{\text{mea}} + \text{Corr. (dB)}$$

Sample calculation:  $(58.01 \text{ dB}\mu\text{V}) = (28.41 \text{ dB}\mu\text{V}) + (29.6 \text{ dB})$ , the corresponding frequency is 0.173320MHz.



### MEASUREMENT RESULT:

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) | PmeaQuasiPeak (dBμV) | Pmea Average (dBμV) |
|-----------------|------------------|----------------|--------------|-------------|------|------------|----------------------|---------------------|
| 0.173320        | 58.01            | ---            | 64.80        | 6.79        | L1   | 29.6       | 28.41                | ---                 |
| 0.191977        | 55.97            | ---            | 63.95        | 7.98        | L1   | 29.6       | 26.37                | ---                 |
| 0.215297        | 52.91            | ---            | 63.00        | 10.09       | L1   | 29.6       | 23.31                | ---                 |
| 0.233953        | 50.52            | ---            | 62.31        | 11.79       | L1   | 29.6       | 20.92                | ---                 |
| 0.271266        | 50.95            | ---            | 61.08        | 10.13       | L1   | 29.6       | 21.35                | ---                 |
| 0.331898        | 47.41            | ---            | 59.40        | 11.99       | L1   | 29.6       | 17.81                | ---                 |
| 0.541781        | ---              | 30.90          | 46.00        | 15.10       | L1   | 29.6       | ---                  | 1.3                 |
| 0.593086        | ---              | 34.13          | 46.00        | 11.87       | N    | 29.6       | ---                  | 4.53                |
| 0.691031        | ---              | 28.45          | 46.00        | 17.55       | L1   | 29.6       | ---                  | -1.15               |
| 1.092141        | ---              | 32.97          | 46.00        | 13.03       | L1   | 29.7       | ---                  | 3.27                |
| 1.488586        | ---              | 32.32          | 46.00        | 13.68       | L1   | 29.7       | ---                  | 2.62                |
| 4.986633        | ---              | 30.12          | 46.00        | 15.88       | L1   | 29.7       | ---                  | 0.42                |

---End of Test Report---