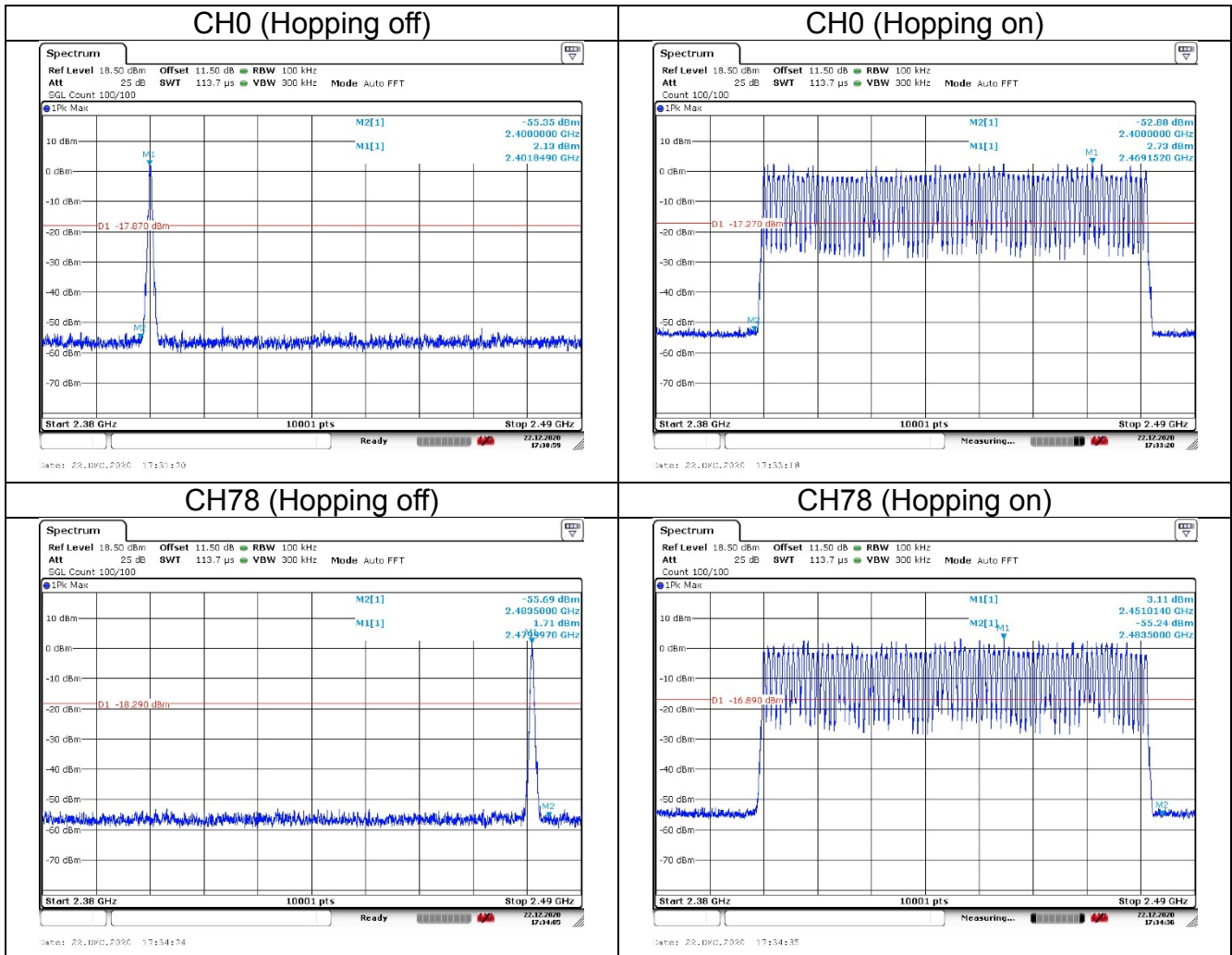


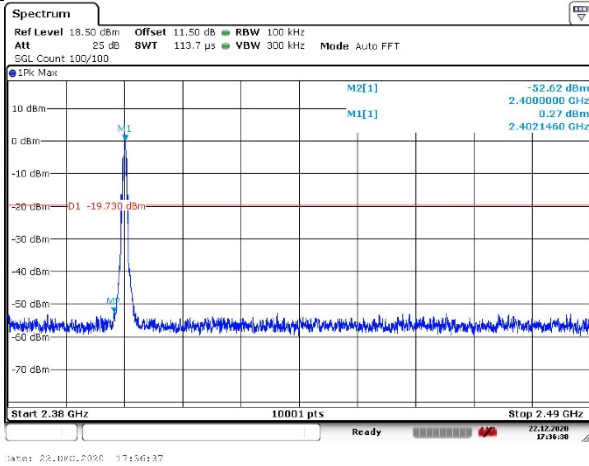
## Band Edge measurement

Offset 11.5dB = Attenuator 10dB+Temporary antenna connector loss 0.5dB+ Cable loss 1dB  
**GFSK**

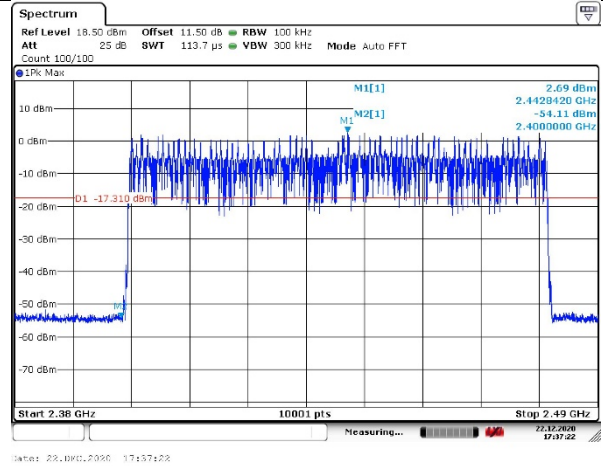


**$\pi/4$ DQPSK**

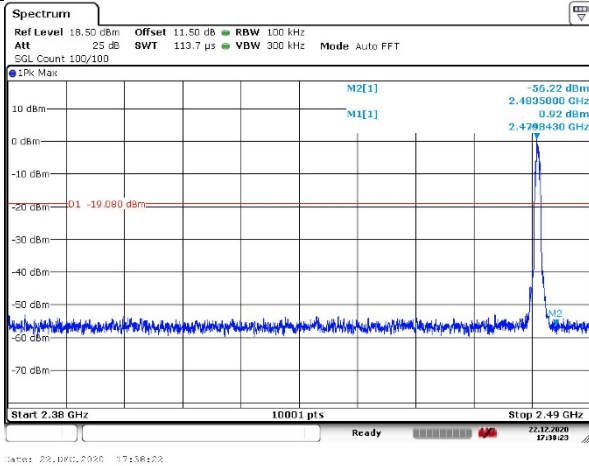
**CH0 (Hopping off)**



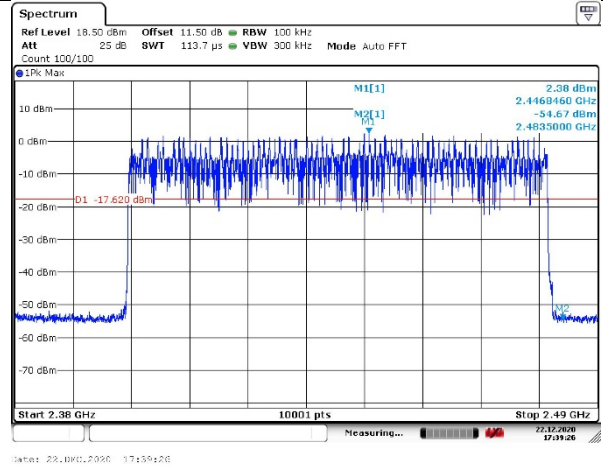
**CH0 (Hopping on)**



**CH78 (Hopping off)**

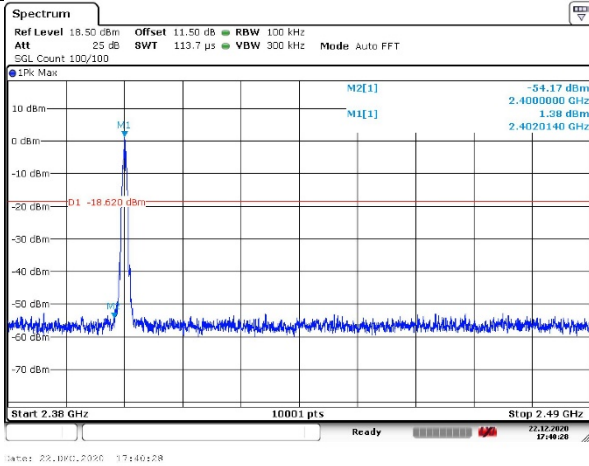


**CH78 (Hopping on)**

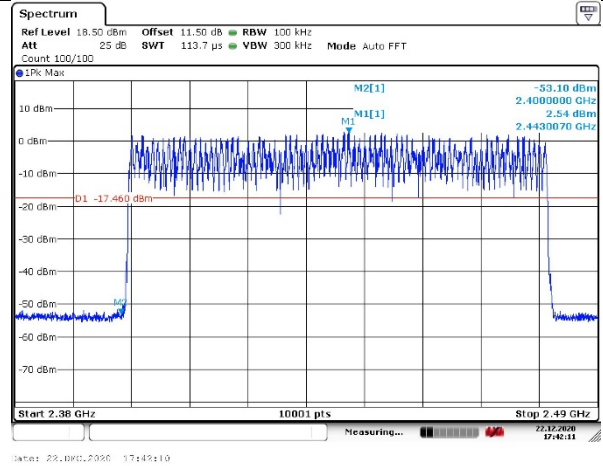


# 8DPSK

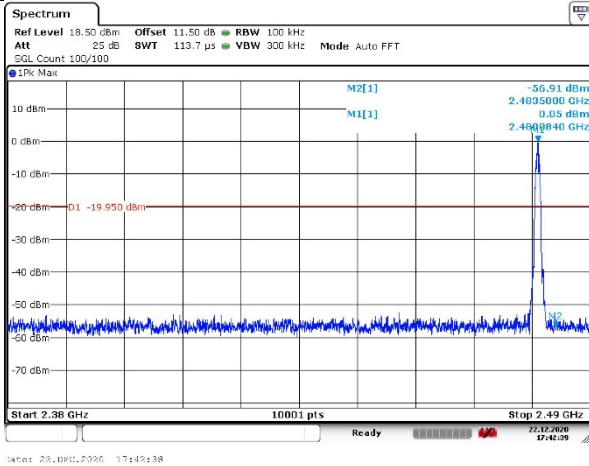
CH0 (Hopping off)



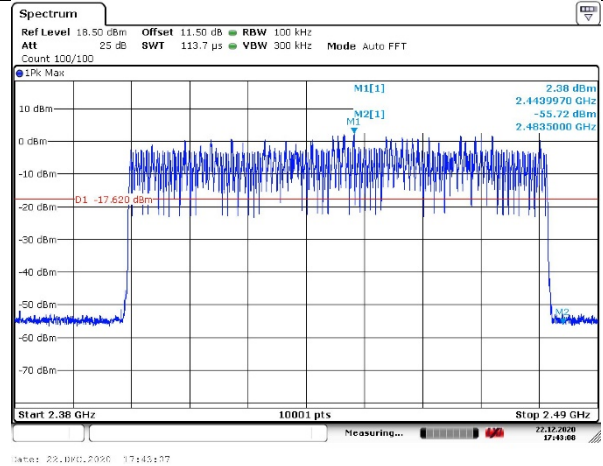
CH0 (Hopping on)



CH78 (Hopping off)



CH78 (Hopping on)



## 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: (90.62 dBuV/m) = (56.62 dBuV) + (8.90 dB) + (25.10 dB/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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 90.62                  | 56.62                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 40.66                  | 6.66                 | -33.34          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 88.61                  | 54.61                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 40.63                  | 6.63                 | -33.37          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 89.85                  | 55.85                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 31.40                  | -2.60                | -22.60          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 87.72                  | 53.72                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 29.73                  | -4.27                | -24.27          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 89.92                  | 55.92                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 39.31                  | 5.31                 | -34.69          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 87.91                  | 53.91                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 37.94                  | 3.94                 | -36.06          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 89.52                  | 55.52                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 31.55                  | -2.45                | -22.45          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 87.48                  | 53.48                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 30.10                  | -3.90                | -23.90          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 90.60                  | 56.60                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 40.03                  | 6.03                 | -33.97          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 87.96                  | 53.96                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 38.88                  | 4.88                 | -35.12          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 88.95                  | 54.95                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 31.28                  | -2.72                | -22.72          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 86.27                  | 52.27                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 30.56                  | -3.44                | -23.44          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 89.21                  | 55.21                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 39.74                  | 5.74                 | -34.26          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 86.81                  | 52.81                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 39.53                  | 5.53                 | -34.47          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 88.65                  | 54.65                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 30.62                  | -3.38                | -23.38          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 86.36                  | 52.36                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 28.86                  | -5.14                | -25.14          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 90.74                  | 56.74                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 39.83                  | 5.83                 | -34.17          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 88.56                  | 54.56                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 38.43                  | 4.43                 | -35.57          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 89.07                  | 55.07                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 31.12                  | -2.88                | -22.88          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2402            | 86.38                  | 52.38                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2390            | 30.83                  | -3.17                | -23.17          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 90.19                  | 56.19                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 40.51                  | 6.51                 | -33.49          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 87.33                  | 53.33                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 39.16                  | 5.16                 | -34.84          | 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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 87.66                  | 53.66                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 30.12                  | -3.88                | -23.88          | 54.00          | 8.90            | 25.10                 |

Carrier frequency (MHz): 2480

Channel No.:78

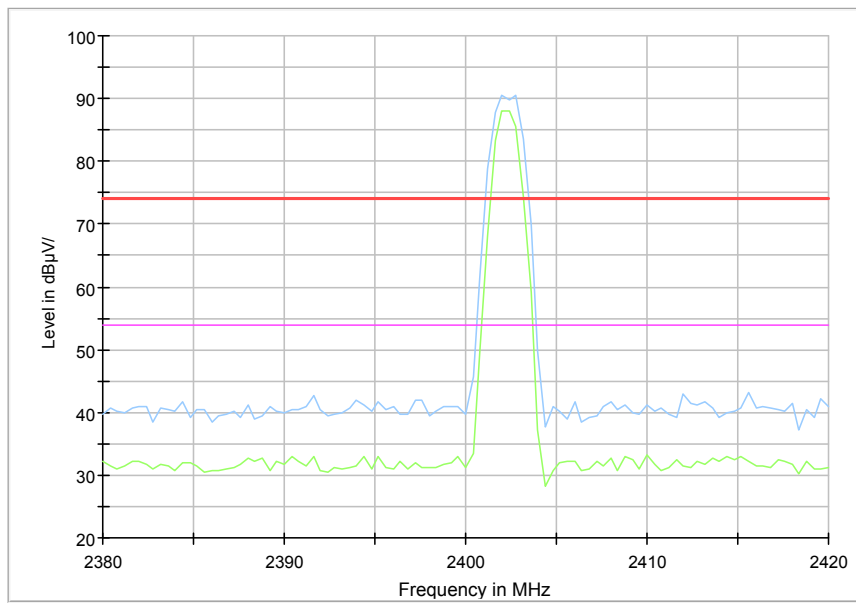
Test Mode: 8DPSK

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 (dB/m) |
|----|-----------------|------------------------|----------------------|-----------------|----------------|-----------------|-----------------------|
| 1  | 2480            | 85.25                  | 51.25                | N/A             | N/A            | 8.90            | 25.10                 |
| 2  | 2483.5          | 29.72                  | -4.28                | -24.28          | 54.00          | 8.90            | 25.10                 |

Full Spectrum



Radiated Emission Band Edge for 2402MHz

## 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:

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

Sample calculation:  $(22.57 \text{ dB}\mu\text{V/m}) = (43.77 \text{ dB}\mu\text{V}) + (-21.2 \text{ dB/m})$ , the corresponding frequency is 30.000000MHz.

The worst case attitude: The mobile lay down.

For GFSK

Channel No.:0

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 30.000000       | 22.57           | -21.2       | 43.77       | Vertical | 40.00          |
| 87.918000       | 27.18           | -21.3       | 48.48       | Vertical | 40.00          |
| 129.076500      | 32.25           | -21.2       | 53.45       | Vertical | 43.50          |
| 173.542500      | 30.18           | -20.4       | 50.58       | Vertical | 43.50          |
| 311.582000      | 15.73           | -14.7       | 30.43       | Vertical | 46.00          |
| 950.227500      | 17.36           | -0.9        | 18.26       | Vertical | 46.00          |

For  $\pi/4$ DQPSK

Channel No.:0

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 30.838500       | 22.59           | -20.9       | 43.49       | Vertical | 40.00          |
| 87.401500       | 27.12           | -21.4       | 48.52       | Vertical | 40.00          |
| 129.698500      | 32.01           | -21.3       | 53.31       | Vertical | 43.50          |
| 173.163000      | 29.98           | -20.5       | 50.48       | Vertical | 43.50          |
| 311.246000      | 15.86           | -14.8       | 30.66       | Vertical | 46.00          |
| 950.128000      | 17.35           | -0.9        | 18.25       | Vertical | 46.00          |

For 8DPSK

Channel No.:0

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 48.492500       | 20.81           | -17.2       | 38.01       | Vertical | 40.00          |
| 87.207500       | 27.15           | -21.5       | 48.65       | Vertical | 40.00          |
| 129.852500      | 31.51           | -21.3       | 52.81       | Vertical | 43.50          |
| 173.251500      | 29.13           | -20.5       | 49.63       | Vertical | 43.50          |
| 311.525000      | 15.75           | -14.7       | 30.45       | Vertical | 46.00          |
| 947.617000      | 17.34           | -0.9        | 18.24       | Vertical | 46.00          |

For GFSK

Channel No.:39

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 30.128000       | 22.64           | -21.1       | 43.74       | Vertical | 40.00          |
| 87.612500       | 26.84           | -21.4       | 48.24       | Vertical | 40.00          |
| 171.859500      | 27.95           | -20.5       | 48.45       | Vertical | 43.50          |
| 174.333000      | 27.17           | -20.4       | 47.57       | Vertical | 43.50          |
| 313.231000      | 14.87           | -14.7       | 29.57       | Vertical | 46.00          |
| 957.003000      | 17.46           | -0.8        | 18.26       | Vertical | 46.00          |

For  $\pi/4$ DQPSK

Channel No.:39

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 30.080000       | 22.75           | -21.2       | 43.95       | Vertical | 40.00          |
| 86.554000       | 25.13           | -21.7       | 46.83       | Vertical | 40.00          |
| 130.857500      | 29.11           | -21.4       | 50.51       | Vertical | 43.50          |
| 177.782500      | 24.46           | -20.3       | 44.76       | Vertical | 43.50          |
| 519.775500      | 12.37           | -8.8        | 21.17       | Vertical | 46.00          |
| 951.143000      | 17.29           | -0.8        | 18.09       | Vertical | 46.00          |

For 8DPSK

Channel No.:39

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 52.709500       | 20.99           | -17.5       | 38.49       | Vertical | 40.00          |
| 87.244000       | 25.60           | -21.5       | 47.10       | Vertical | 40.00          |
| 170.467500      | 24.03           | -20.6       | 44.63       | Vertical | 43.50          |
| 180.227000      | 24.82           | -20.1       | 44.92       | Vertical | 43.50          |
| 546.642000      | 12.54           | -8.0        | 20.54       | Vertical | 46.00          |
| 951.391500      | 17.32           | -0.8        | 18.12       | Vertical | 46.00          |

For GFSK  
Channel No.:78

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 30.838500       | 22.94           | -20.9       | 43.84       | Vertical | 40.00          |
| 86.417000       | 25.41           | -21.8       | 47.21       | Vertical | 40.00          |
| 172.330000      | 27.82           | -20.5       | 48.32       | Vertical | 43.50          |
| 173.226000      | 27.44           | -20.5       | 47.94       | Vertical | 43.50          |
| 542.169000      | 12.55           | -8.1        | 20.65       | Vertical | 46.00          |
| 923.829000      | 17.19           | -1.2        | 18.39       | Vertical | 46.00          |

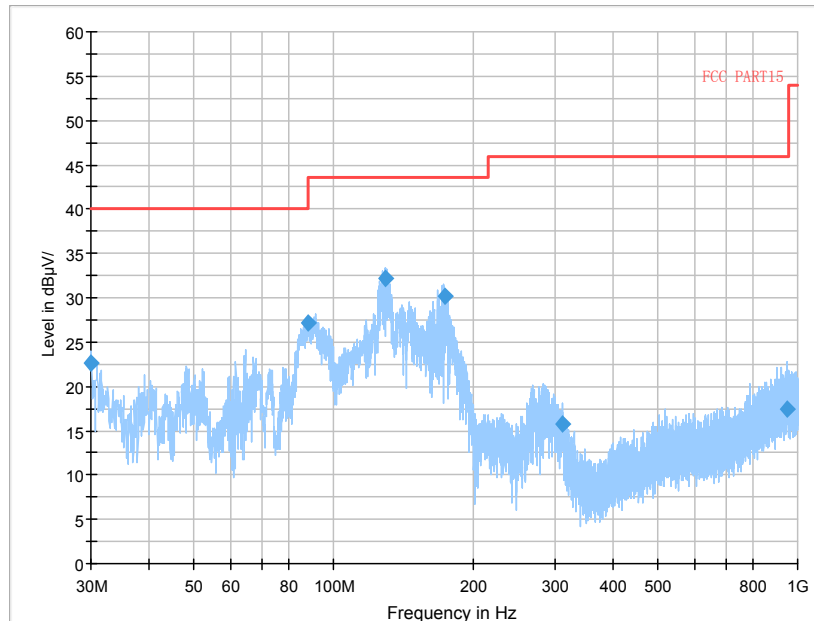
For  $\pi/4$ DQPSK  
Channel No.:78

| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 30.870000       | 20.38           | -20.9       | 41.28       | Vertical | 40.00          |
| 88.112000       | 20.96           | -21.2       | 42.16       | Vertical | 43.50          |
| 127.454000      | 28.86           | -21.1       | 49.96       | Vertical | 43.50          |
| 178.829000      | 25.35           | -20.2       | 45.55       | Vertical | 43.50          |
| 521.139500      | 12.37           | -8.8        | 21.17       | Vertical | 46.00          |
| 890.256000      | 17.09           | -1.7        | 18.79       | Vertical | 46.00          |

For 8DPSK  
Channel No.:78

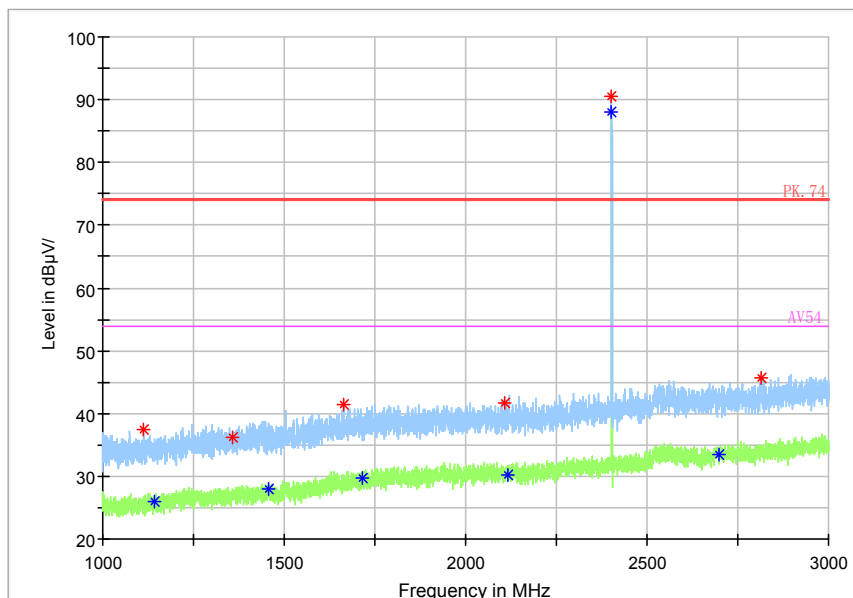
| Frequency (MHz) | Result (dBuV/m) | ARpl (dB/m) | Pmea (dBuV) | Polarity | Limit (dBuV/m) |
|-----------------|-----------------|-------------|-------------|----------|----------------|
| 30.282000       | 21.29           | -21.1       | 42.39       | Vertical | 40.00          |
| 64.609000       | 16.52           | -19.9       | 36.42       | Vertical | 40.00          |
| 169.594500      | 23.70           | -20.7       | 44.40       | Vertical | 43.50          |
| 174.923500      | 24.15           | -20.4       | 44.55       | Vertical | 43.50          |
| 525.903500      | 12.47           | -8.6        | 21.07       | Vertical | 46.00          |
| 912.178000      | 17.21           | -1.3        | 18.51       | Vertical | 46.00          |

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



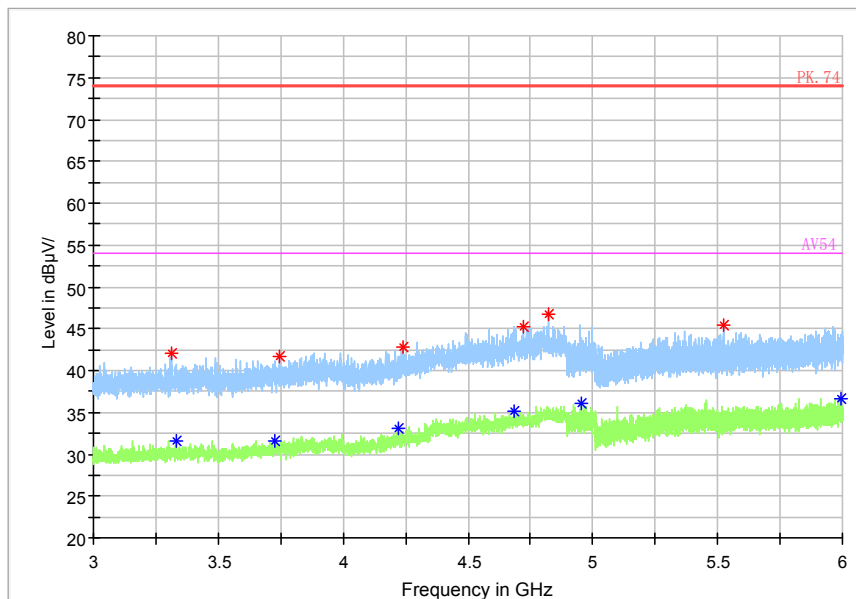
Frequency Range: 30MHz-1000MHz  
Detector: QP mode  
Modulation type: GFSK

Full Spectrum



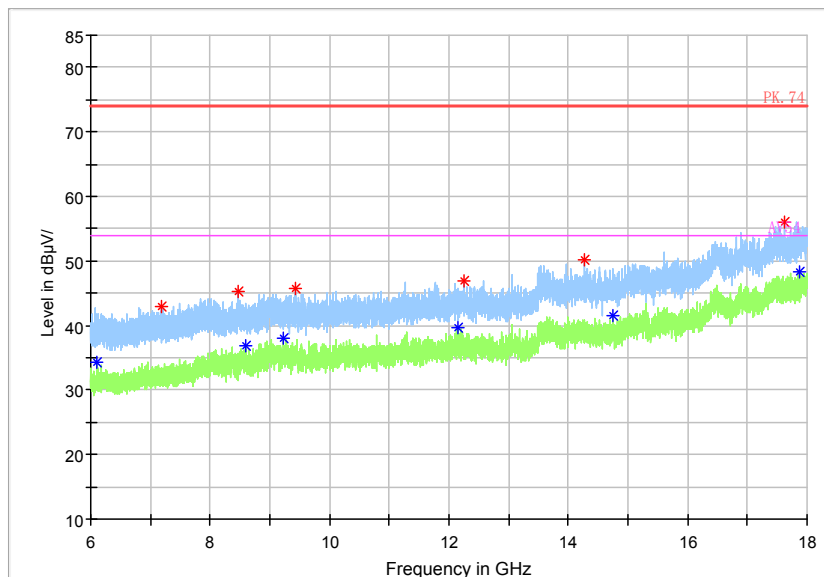
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

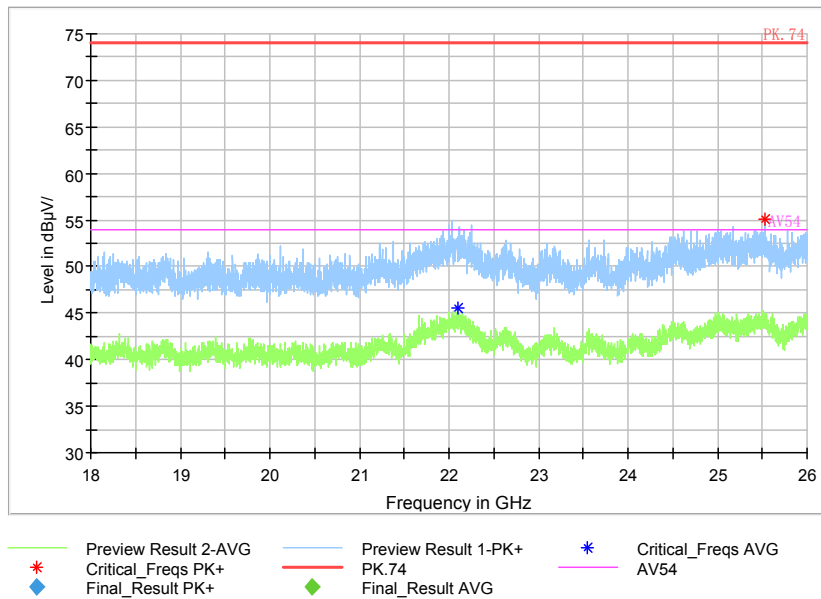
Full Spectrum



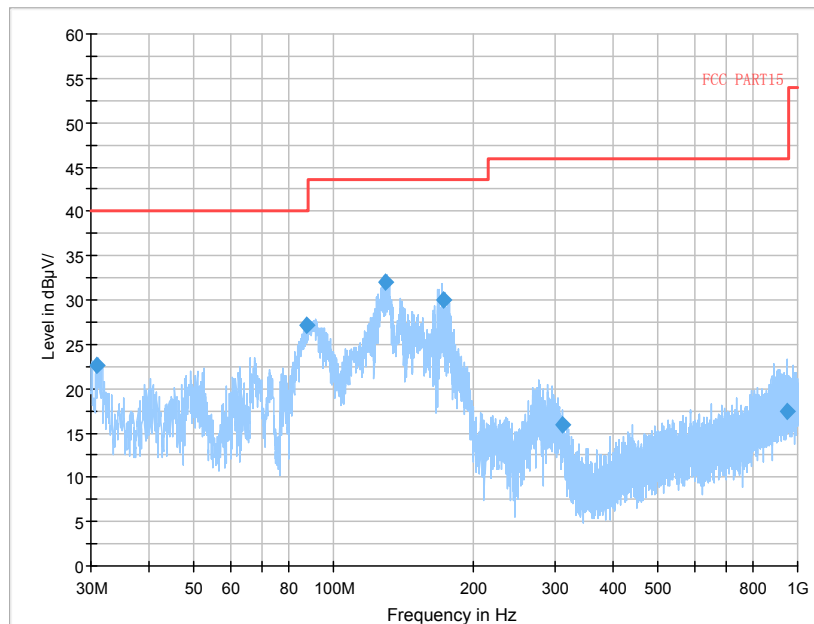
Frequency Range: 6GHz- 18GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK



Full Spectrum

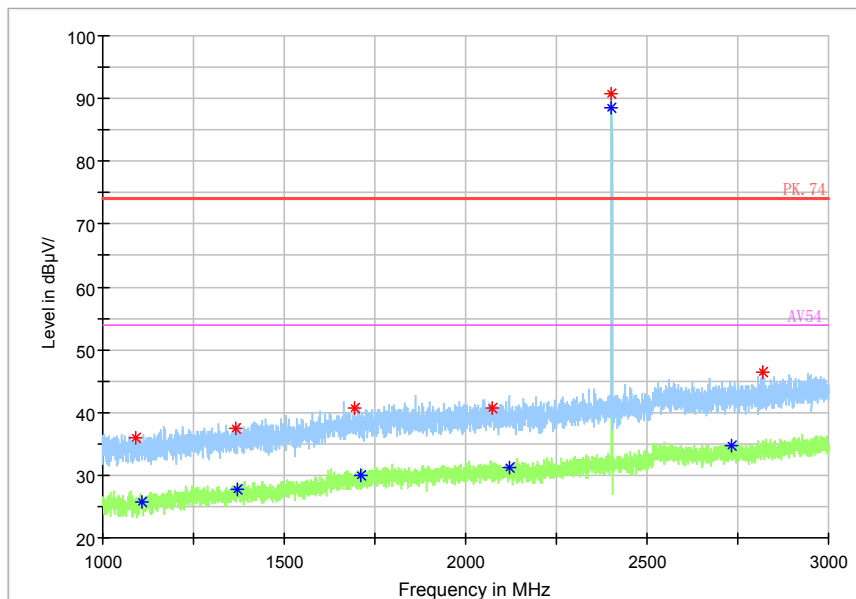


Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK



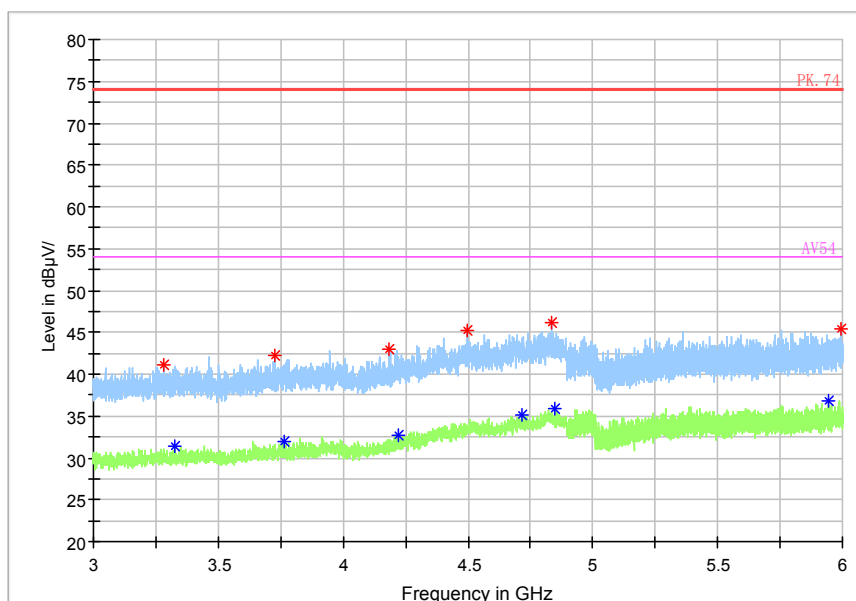
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



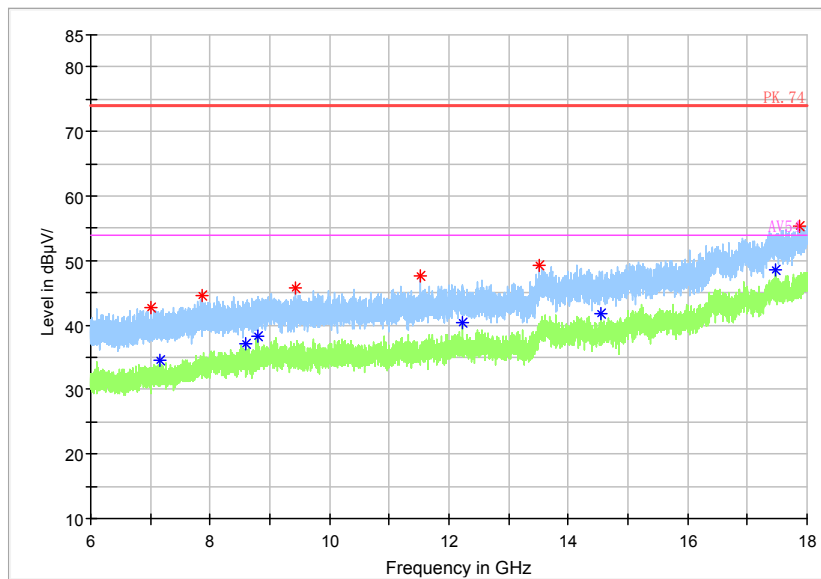
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



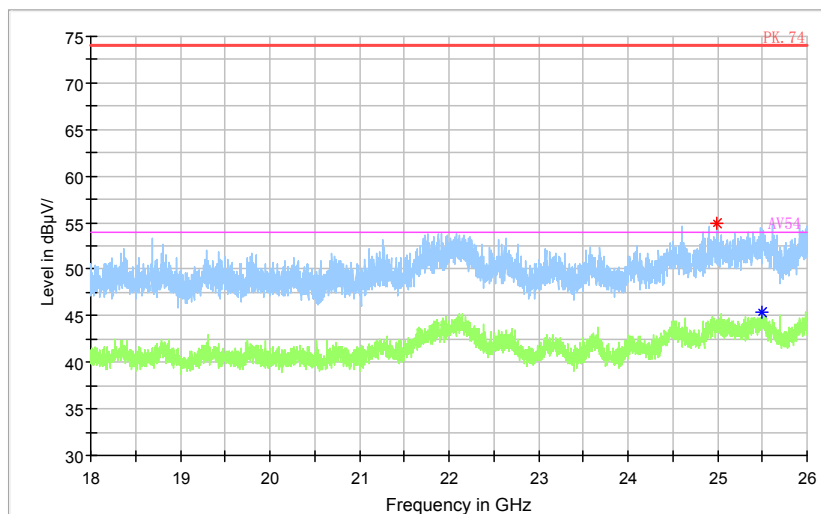
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



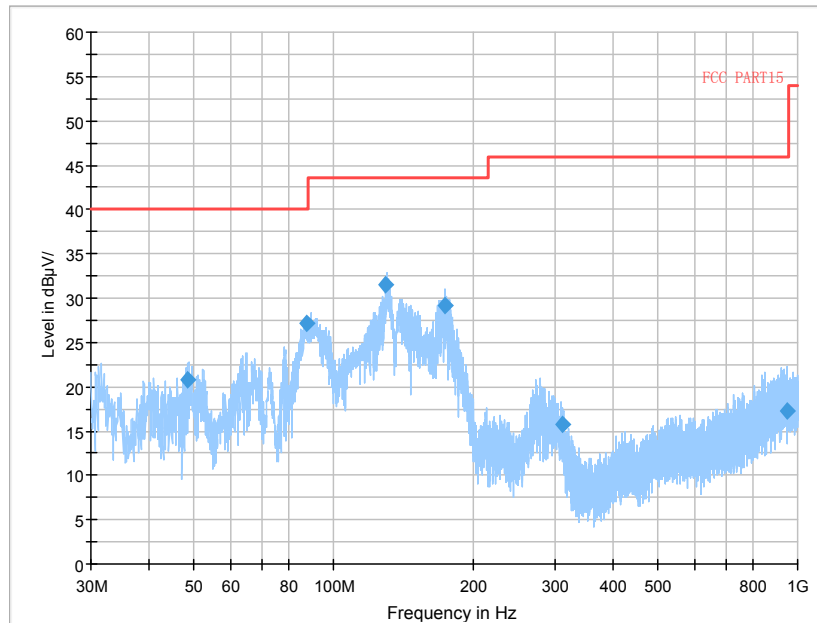
Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



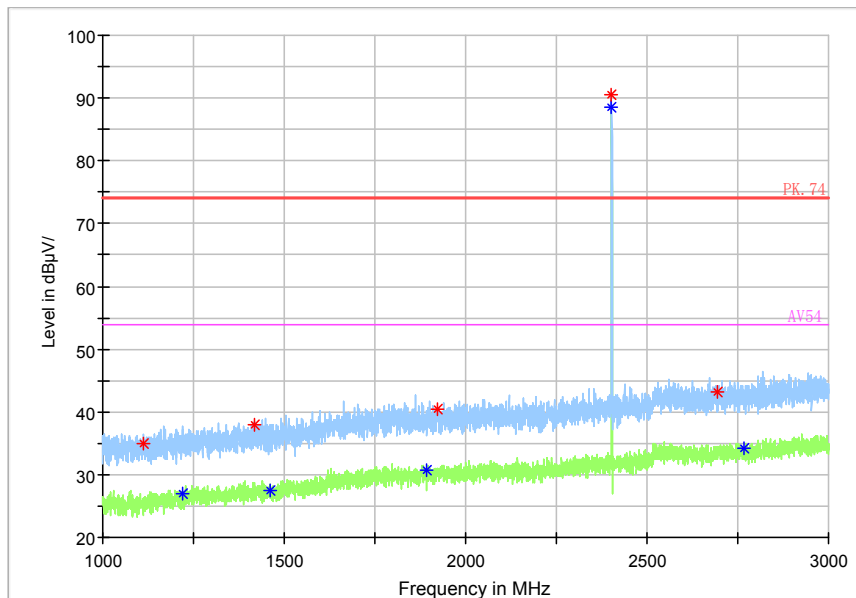
— Preview Result 2-AVG    — Preview Result 1-PK+    \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+    — PK.74    — AV54  
◆ Final\_Result PK+    ◆ Final\_Result AVG

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



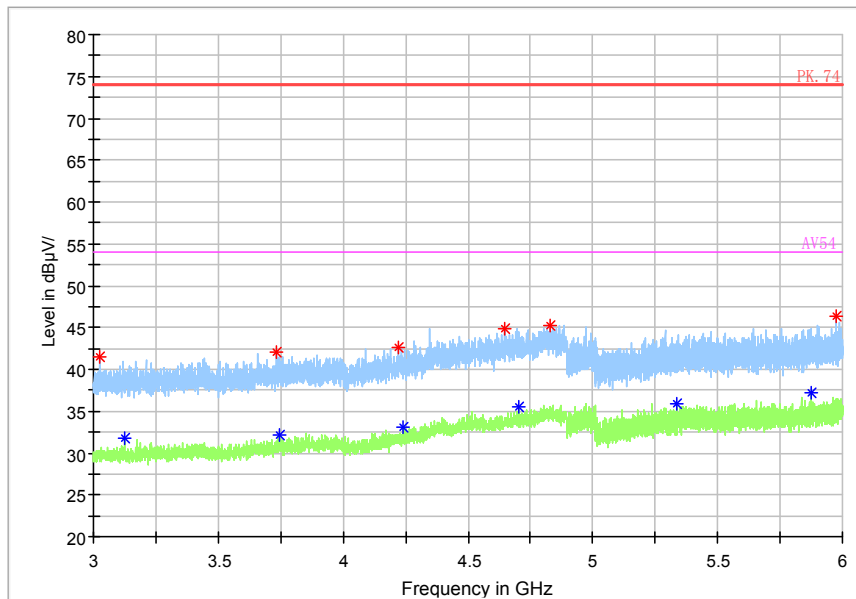
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type: 8DPSK

Full Spectrum



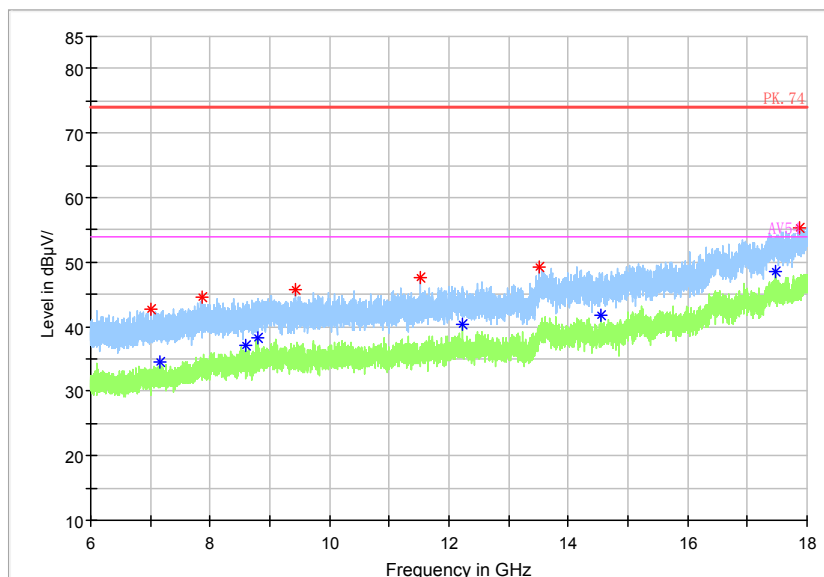
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



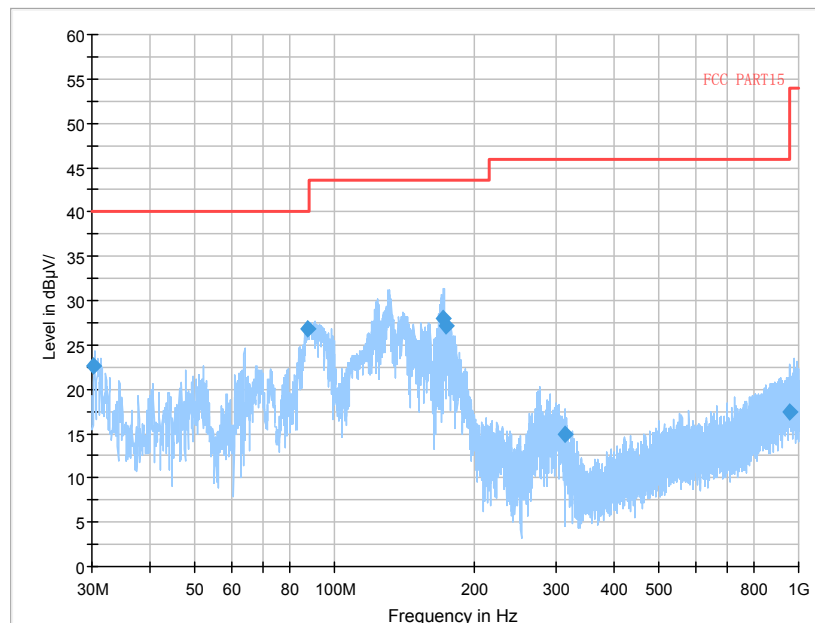
Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



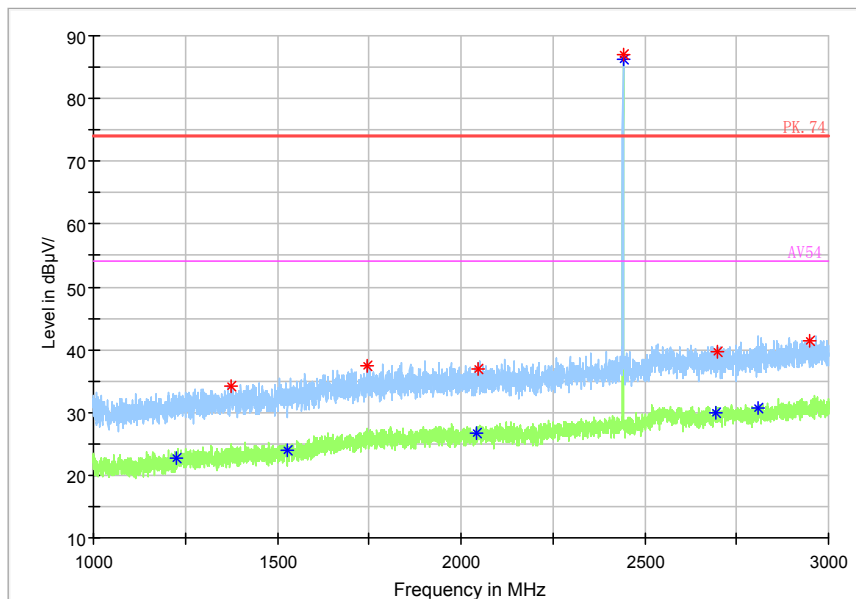
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

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



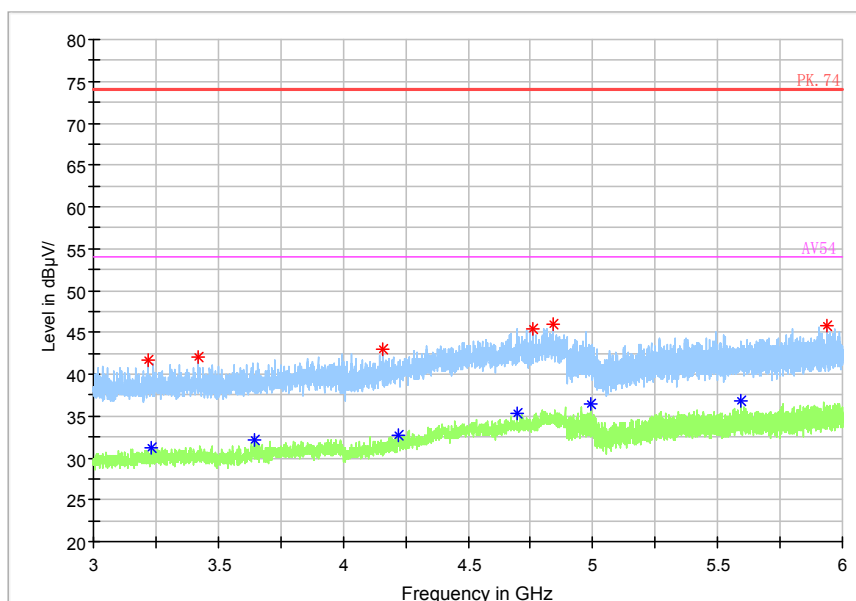
Frequency Range: 30MHz-1000MHz  
Detector: QP mode  
Modulation type: GFSK

Full Spectrum



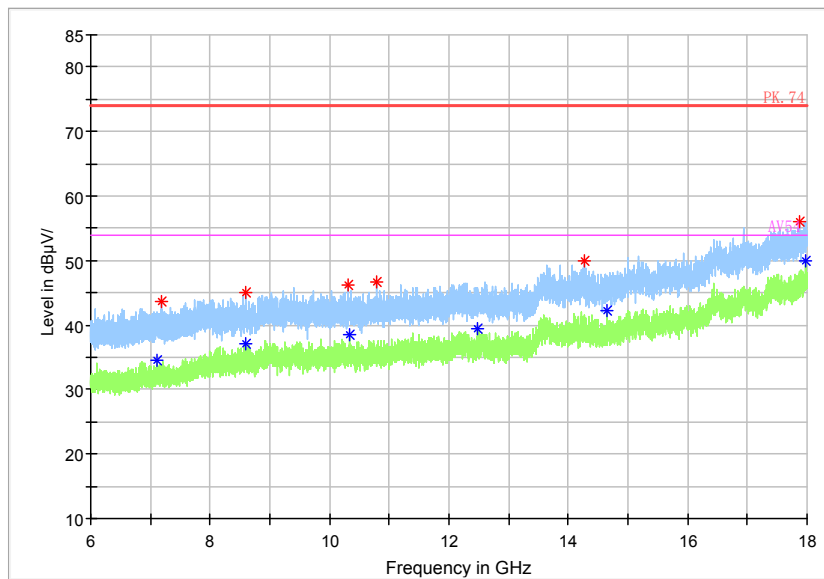
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



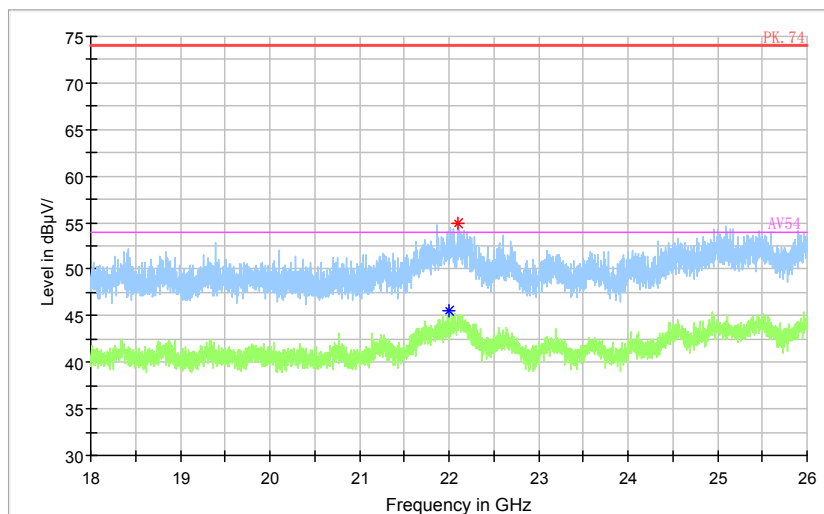
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



Frequency Range: 3GHz- 18GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

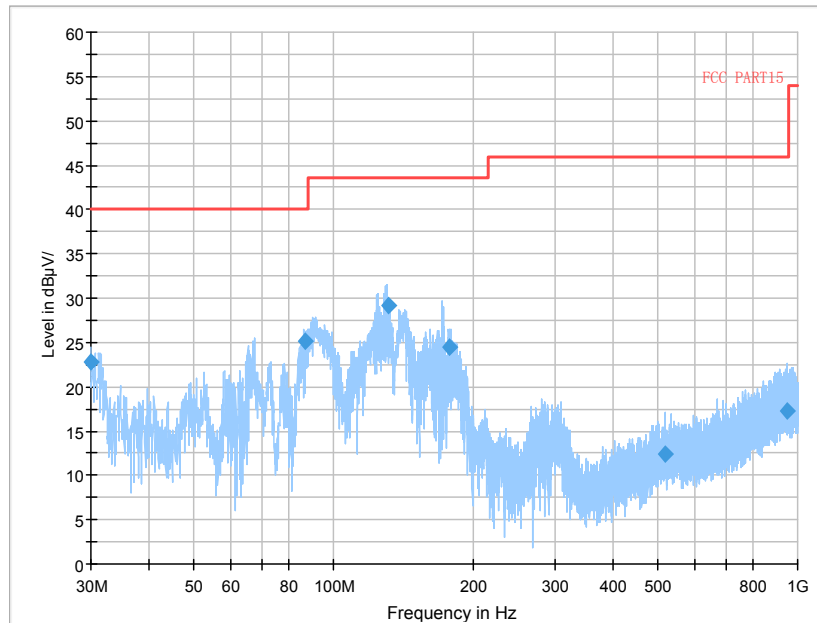
Full Spectrum



— Preview Result 2-AVG  
\* Critical\_Freqs PK+  
◆ Final\_Result PK+
 — Preview Result 1-PK+  
◆ Final\_Result AVG
 \* Critical\_Freqs AVG  
— AV54

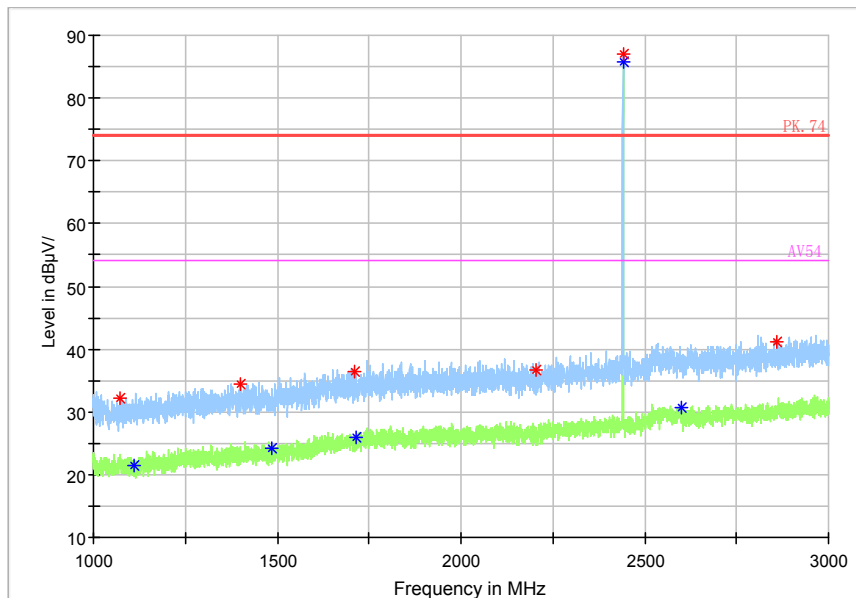
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK





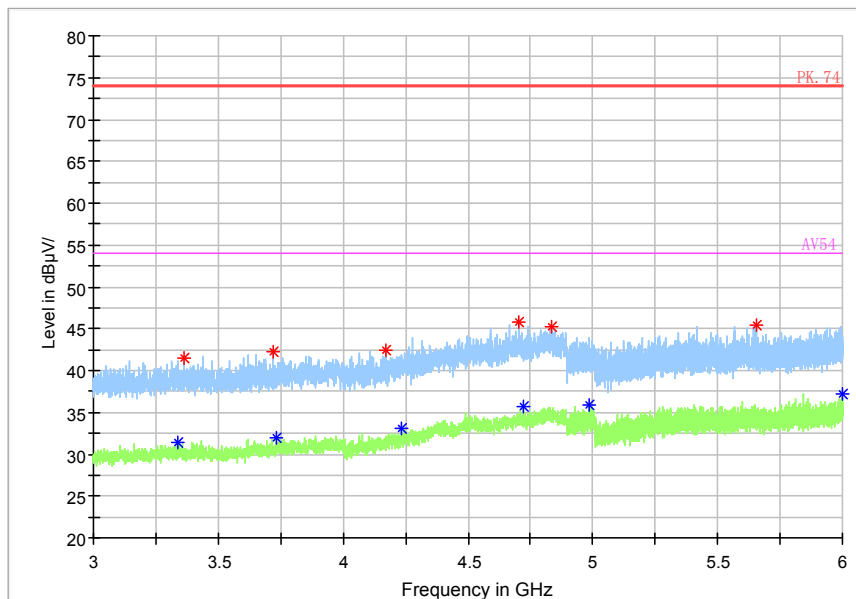
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



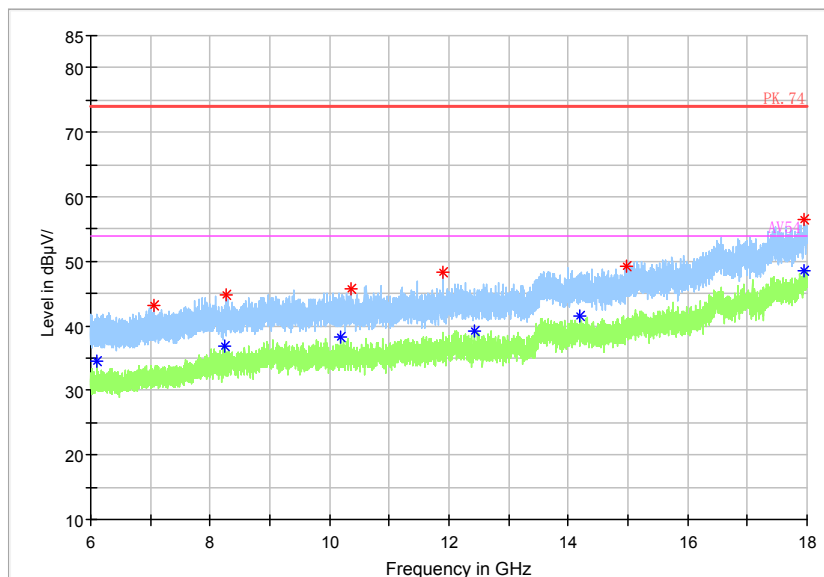
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



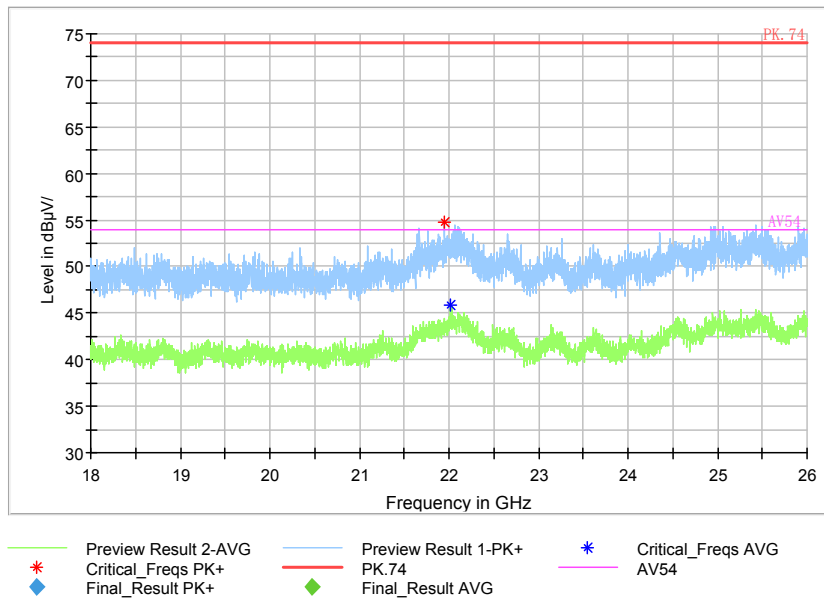
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum

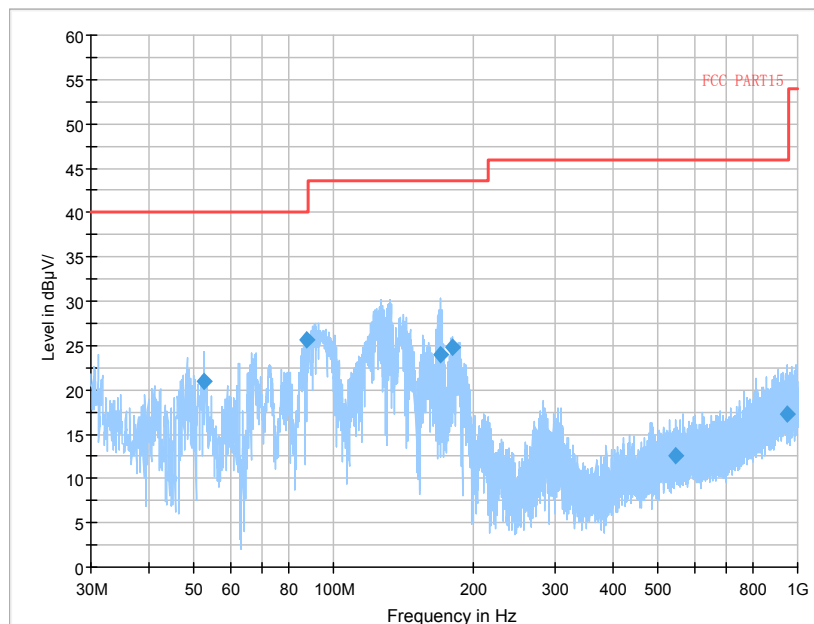


Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum

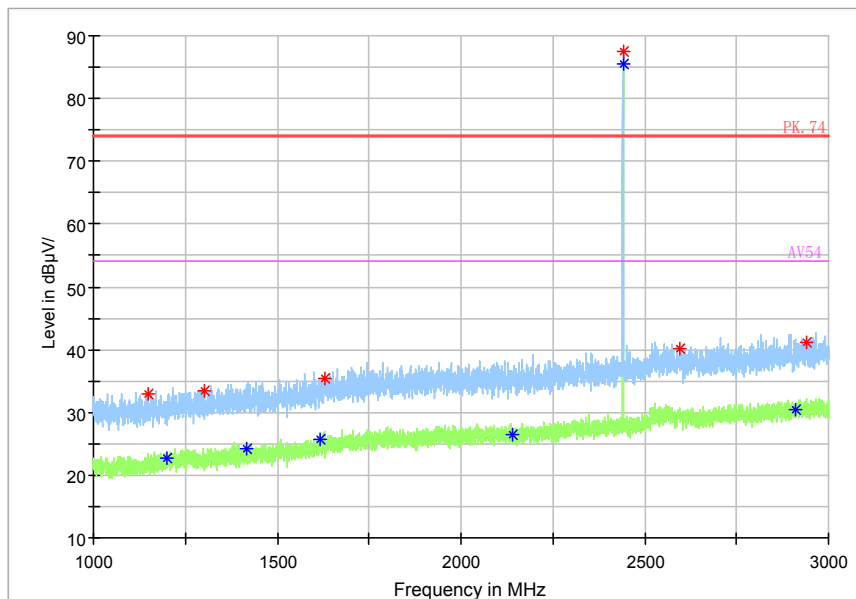


Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK



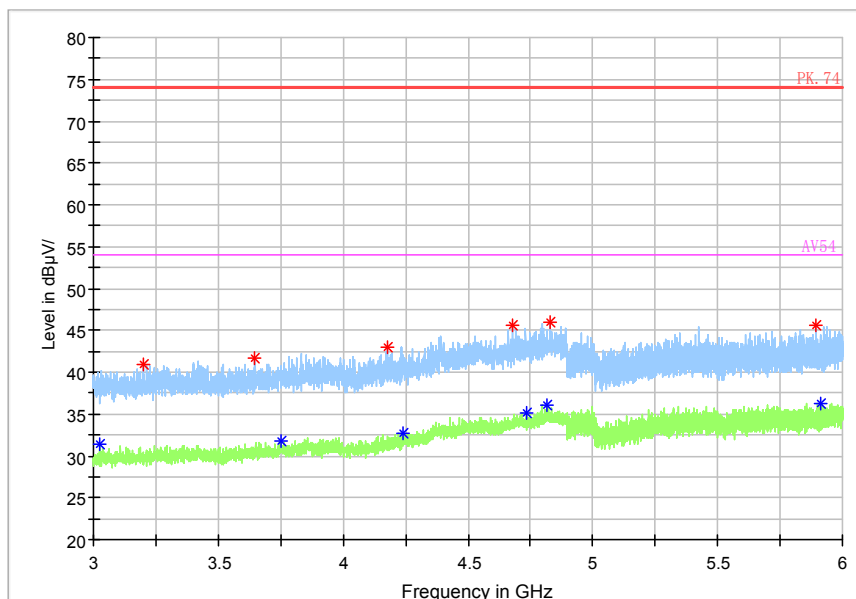
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type: 8DPSK

Full Spectrum



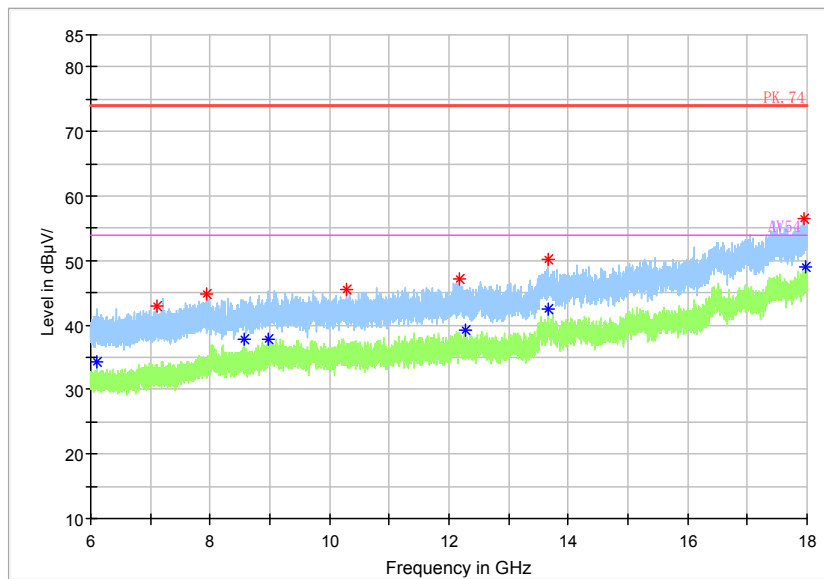
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



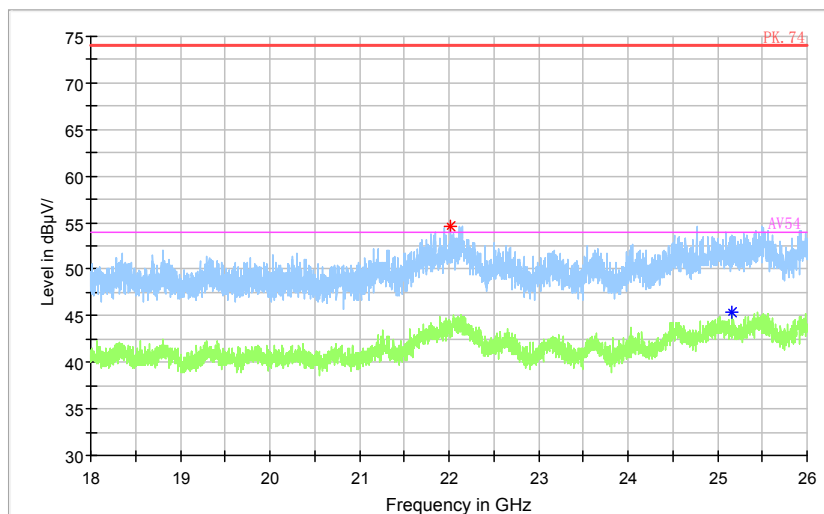
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



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

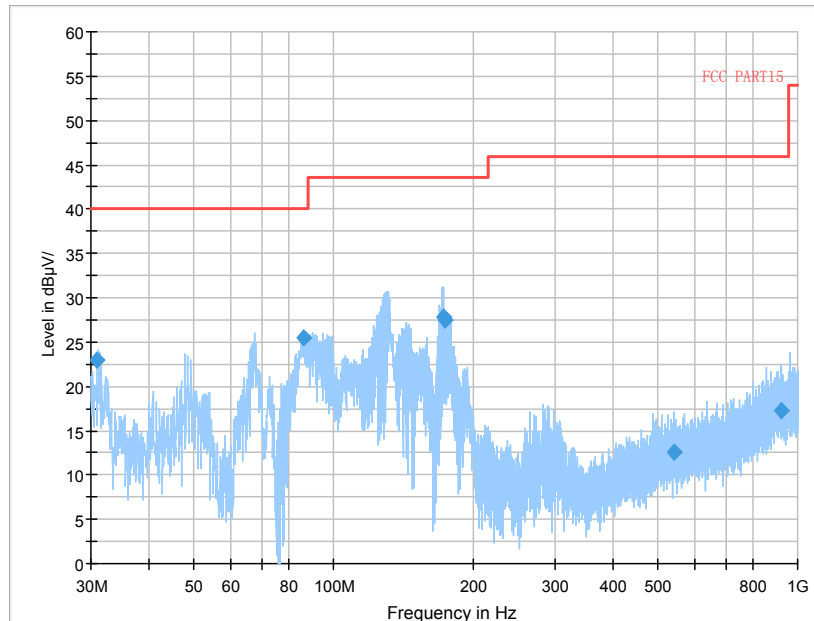
Full Spectrum



— Preview Result 2-AVG  
\* Critical\_Freqs PK+  
◆ Final\_Result PK+
 — Preview Result 1-PK+  
◆ Final\_Result AVG  
\* Critical\_Freqs AVG  
— AV54

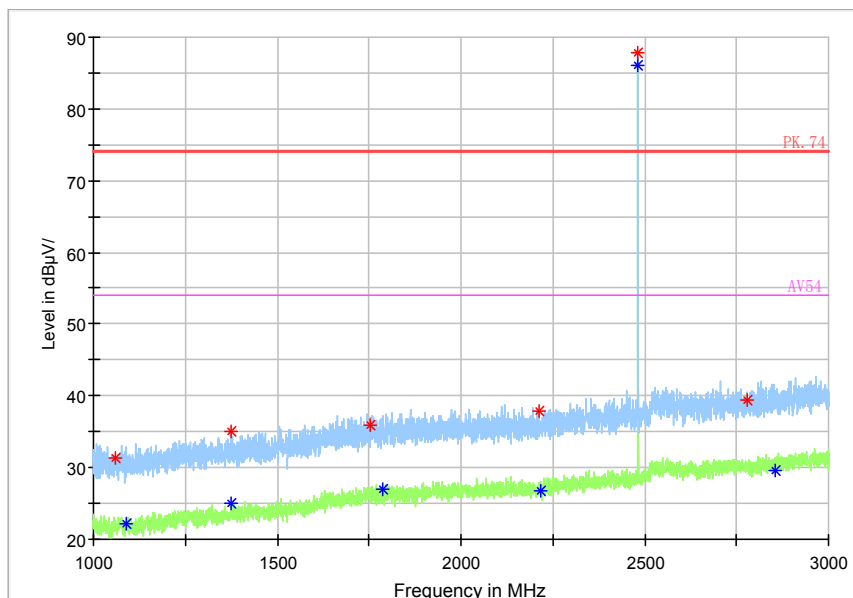
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

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



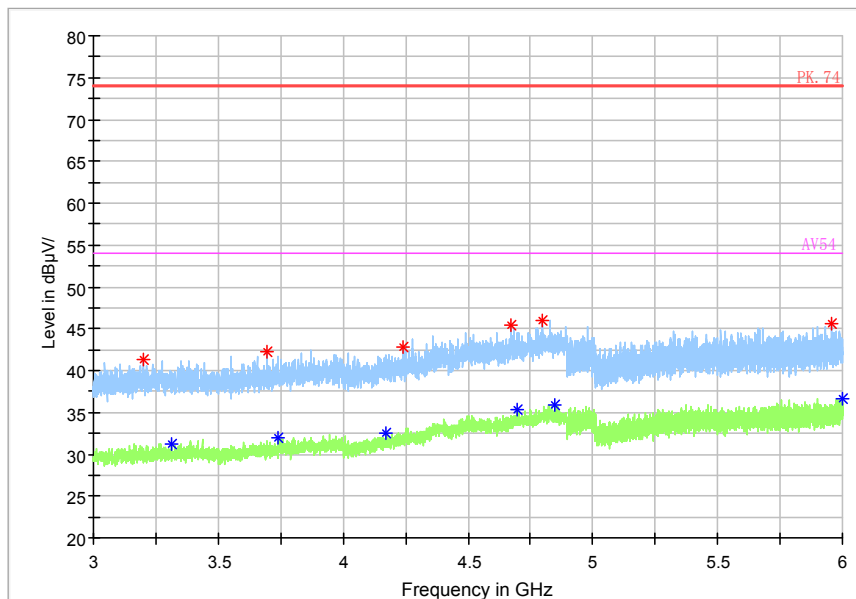
Frequency Range: 30MHz-1000MHz  
Detector: QP mode  
Modulation type: GFSK

Full Spectrum



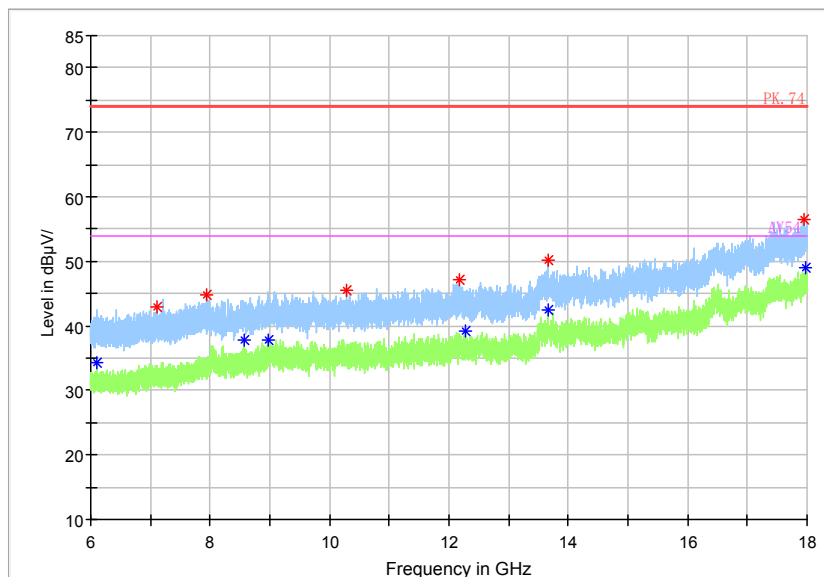
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



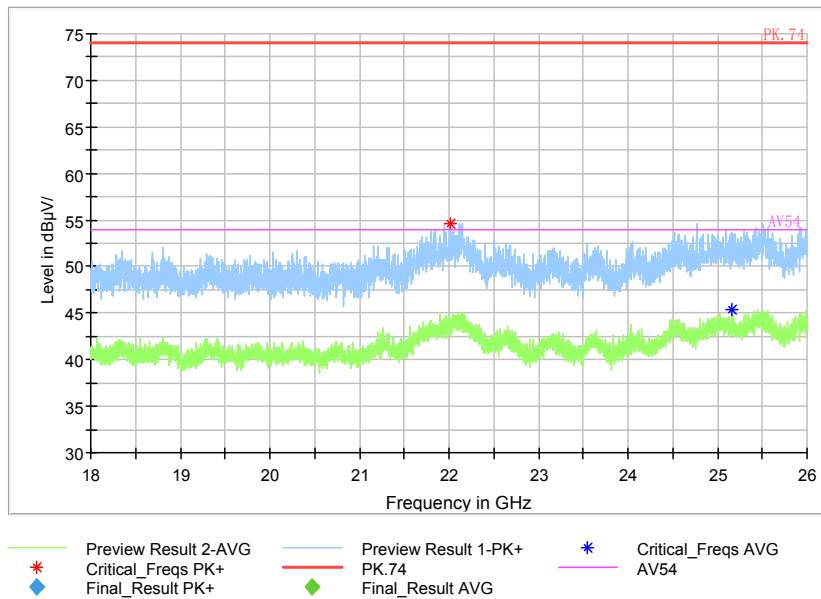
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum

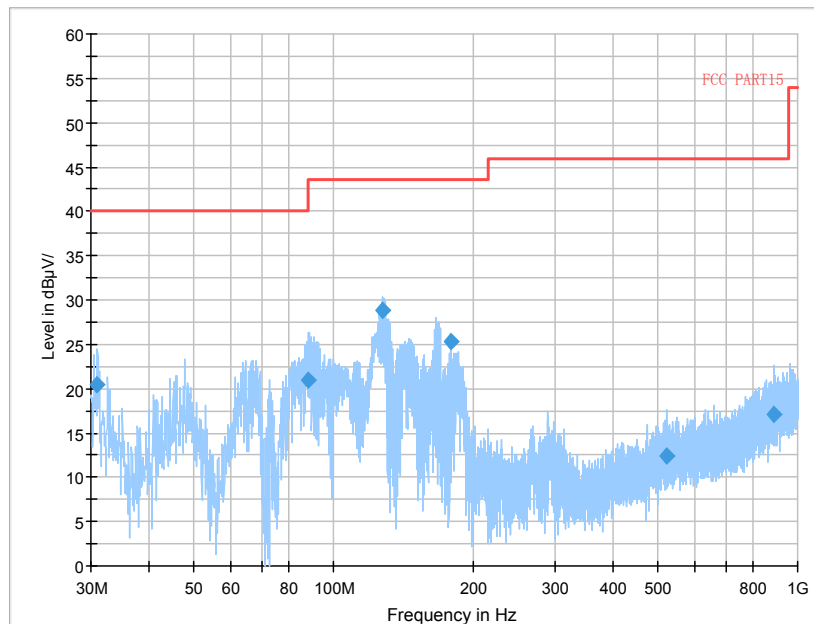


Frequency Range: 3GHz- 18GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



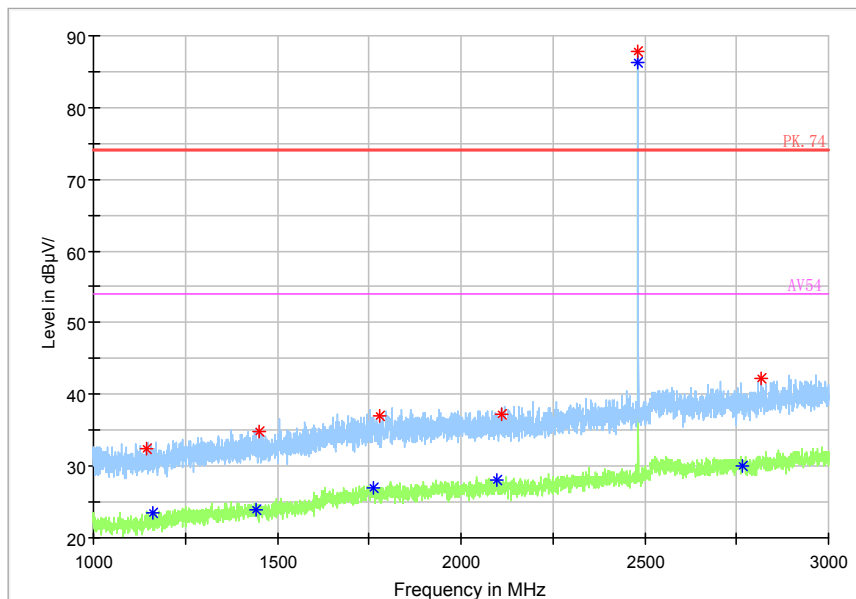
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK



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

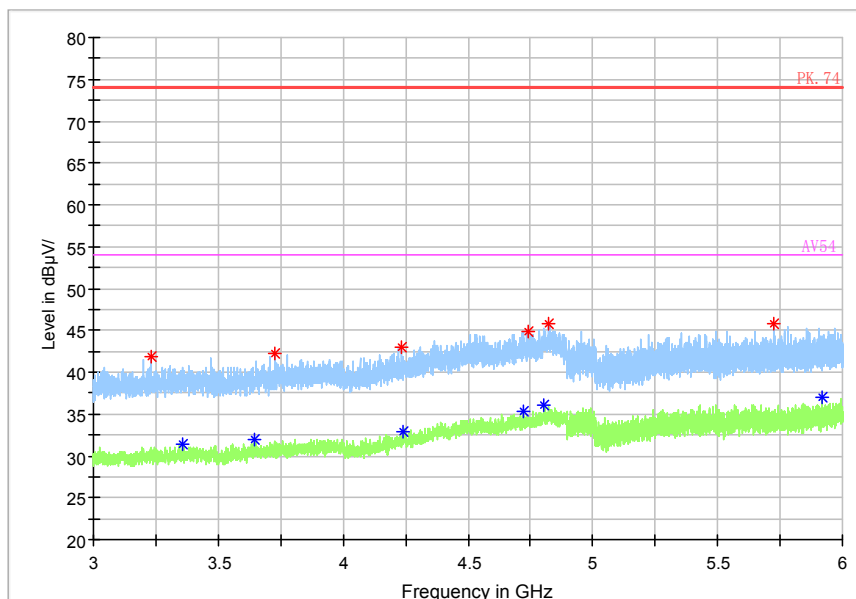


Full Spectrum



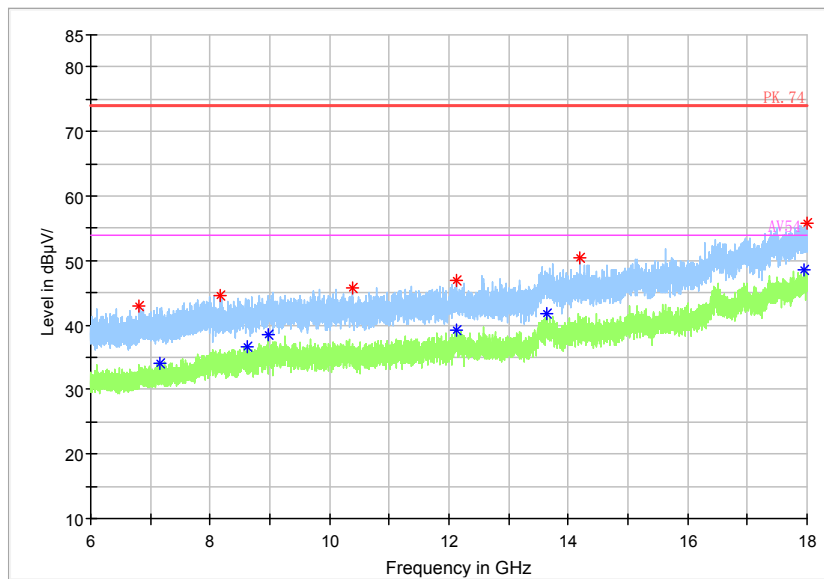
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



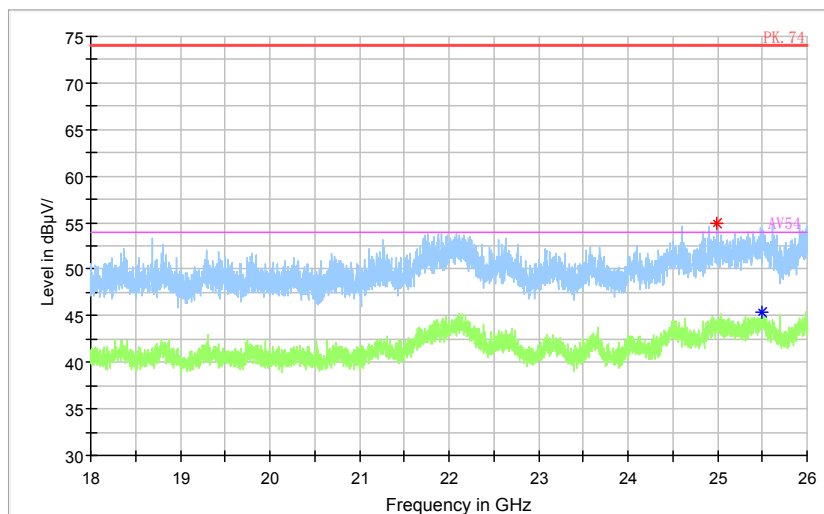
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



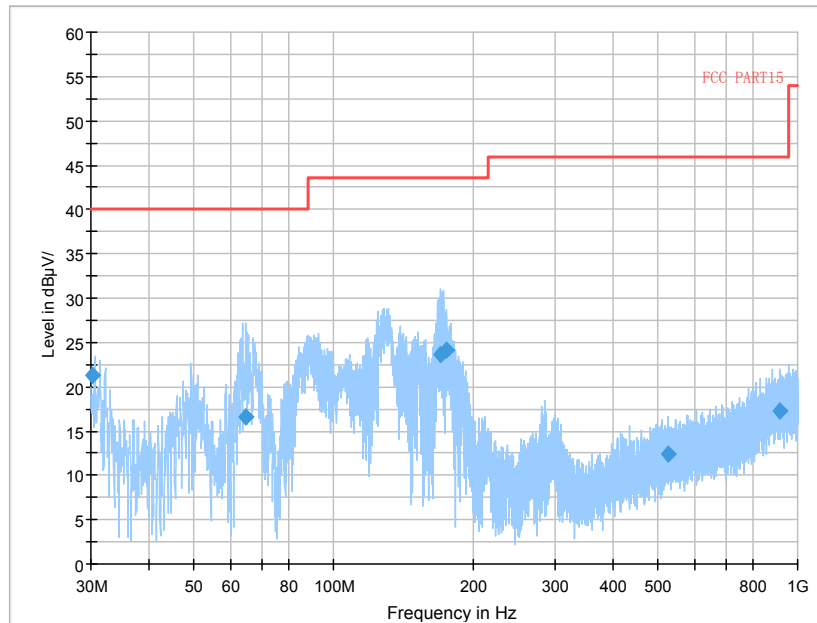
Frequency Range: 6GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



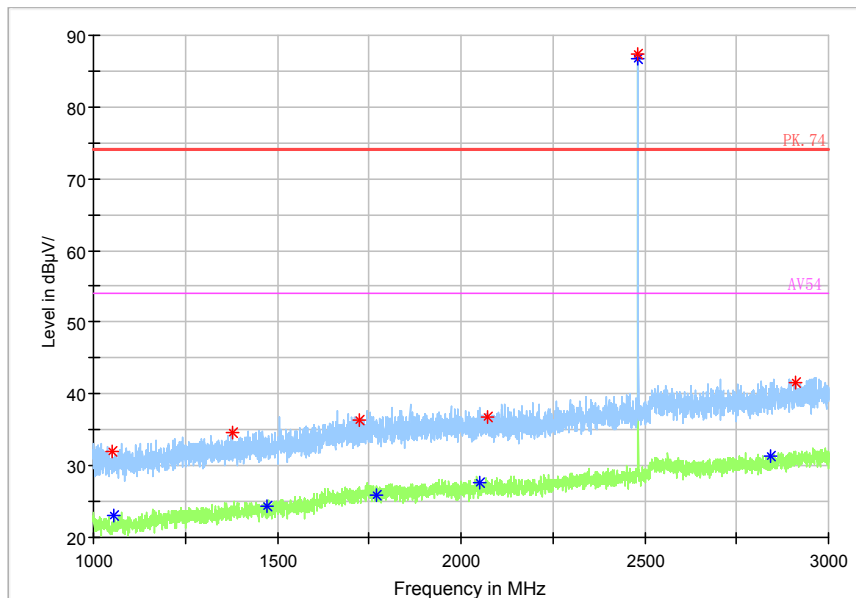
◆ Preview Result 2-AVG  
\* Critical\_Freqs PK+  
◆ Final\_Result PK+
 ◆ Preview Result 1-PK+  
◆ PK.74  
◆ Final\_Result AVG
 \* Critical\_Freqs AVG  
◆ AV54

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



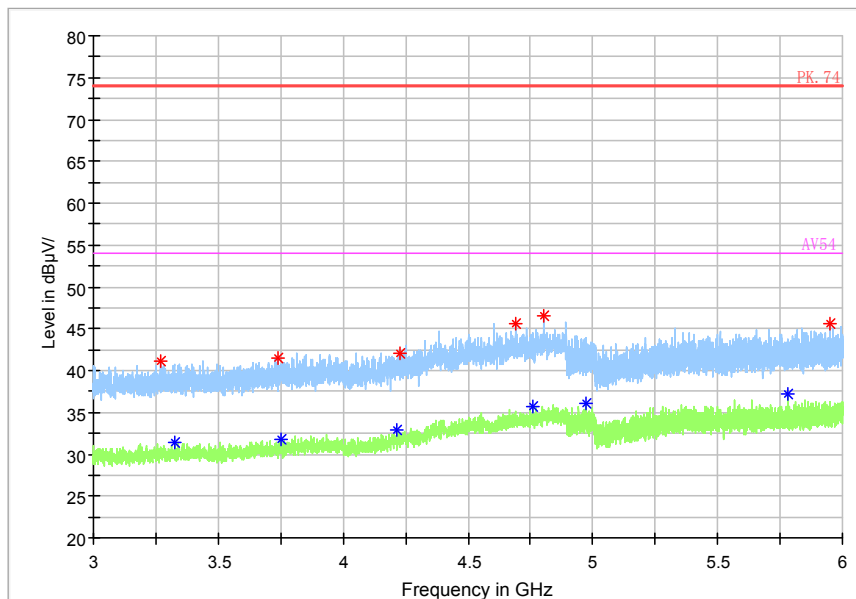
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type: 8DPSK

Full Spectrum



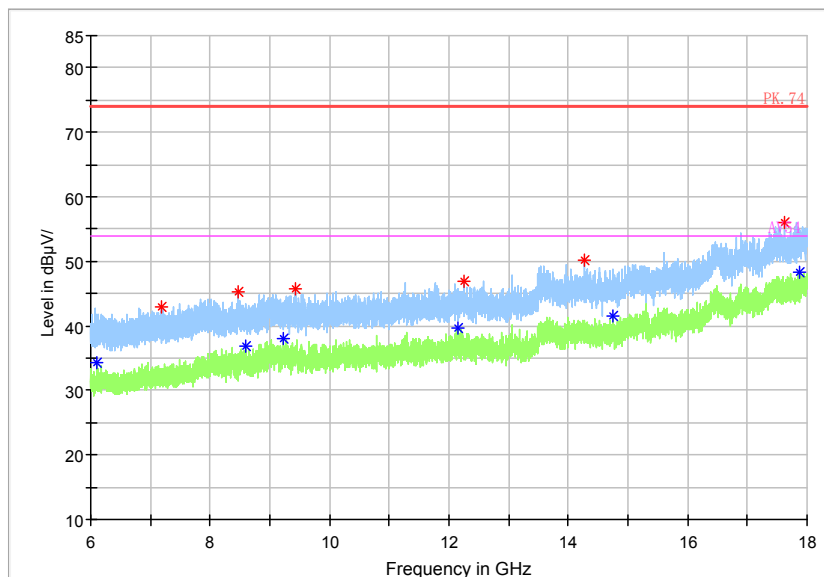
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



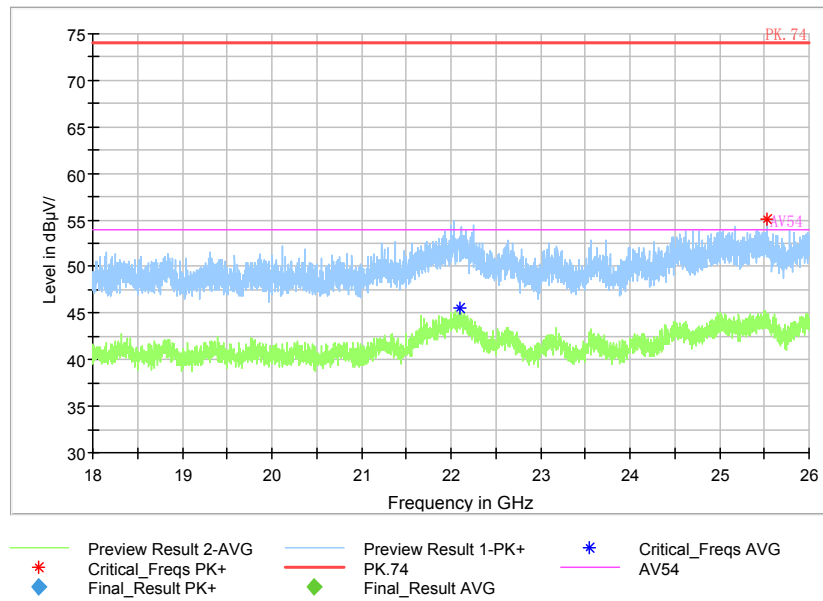
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



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

Full Spectrum



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

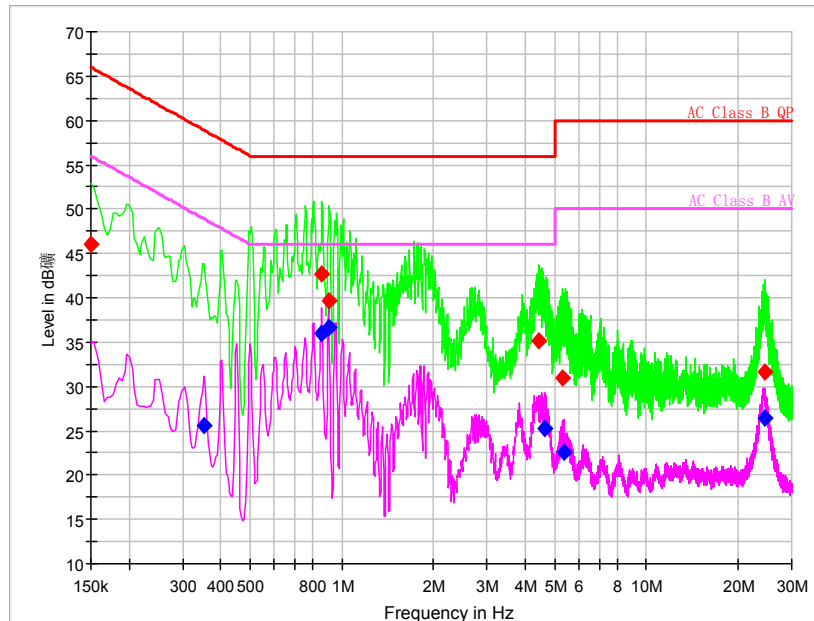
## AC Power line Conducted Emission

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:  $(45.96 \text{ dB}\mu\text{V}) = (16.36 \text{ dB}\mu\text{V}) + (29.6 \text{ dB})$ , the corresponding frequency is 0.150000MHz.



L+N Line

### MEASUREMENT RESULT:

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) | Pmea QuasiPeak (dBμV) | Pmea Average (dBμV) |
|-----------------|------------------|----------------|--------------|-------------|------|------------|-----------------------|---------------------|
| 0.150000        | 45.96            | ---            | 66.00        | 20.04       | L1   | 29.6       | 16.3666               | ---                 |
| 0.354237        | ---              | 25.61          | 48.86        | 23.25       | L1   | 29.6       | ---                   | -3.99               |
| 0.856974        | ---              | 35.96          | 46.00        | 10.04       | L1   | 29.6       | ---                   | 6.36                |
| 0.860901        | 42.71            | ---            | 56.00        | 13.29       | L1   | 29.6       | 13.11                 | ---                 |
| 0.904105        | ---              | 36.64          | 46.00        | 9.36        | L1   | 29.7       | ---                   | 6.94                |
| 0.911961        | 39.74            | ---            | 56.00        | 16.26       | L1   | 29.7       | 10.04                 | ---                 |
| 4.415408        | 35.14            | ---            | 56.00        | 20.86       | L1   | 29.7       | 5.44                  | ---                 |
| 4.658921        | ---              | 25.32          | 46.00        | 20.68       | L1   | 29.7       | ---                   | -4.38               |
| 5.318763        | 30.89            | ---            | 60.00        | 29.11       | L1   | 29.7       | 1.19                  | ---                 |
| 5.361967        | ---              | 22.51          | 50.00        | 27.49       | L1   | 29.7       | ---                   | -7.19               |
| 24.458112       | ---              | 26.44          | 50.00        | 23.56       | N    | 29.8       | ---                   | -3.36               |
| 24.458112       | 31.65            | ---            | 60.00        | 28.35       | L1   | 29.8       | 1.85                  | ---                 |

---End of Test Report---