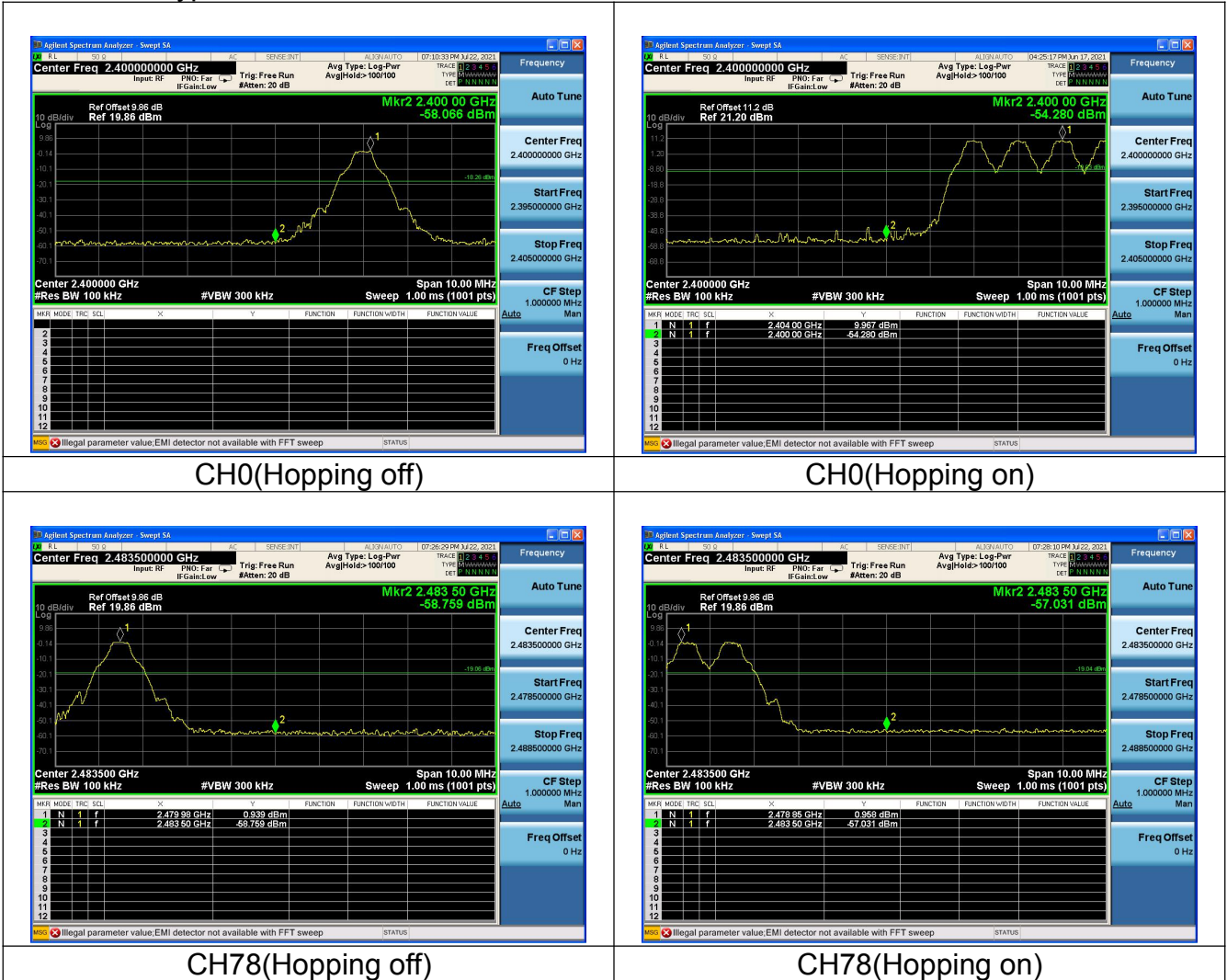
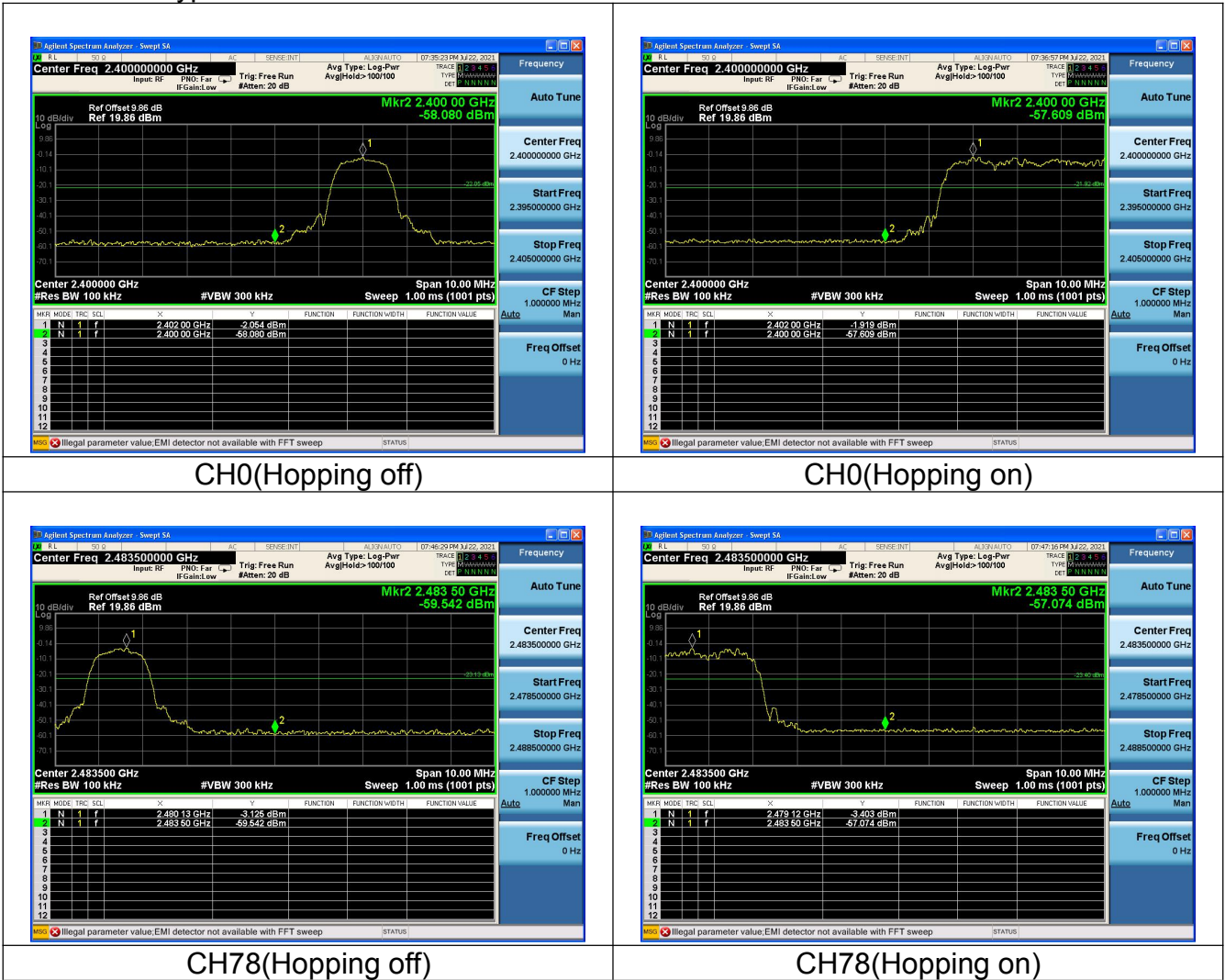


## 6 Band Edge measurement

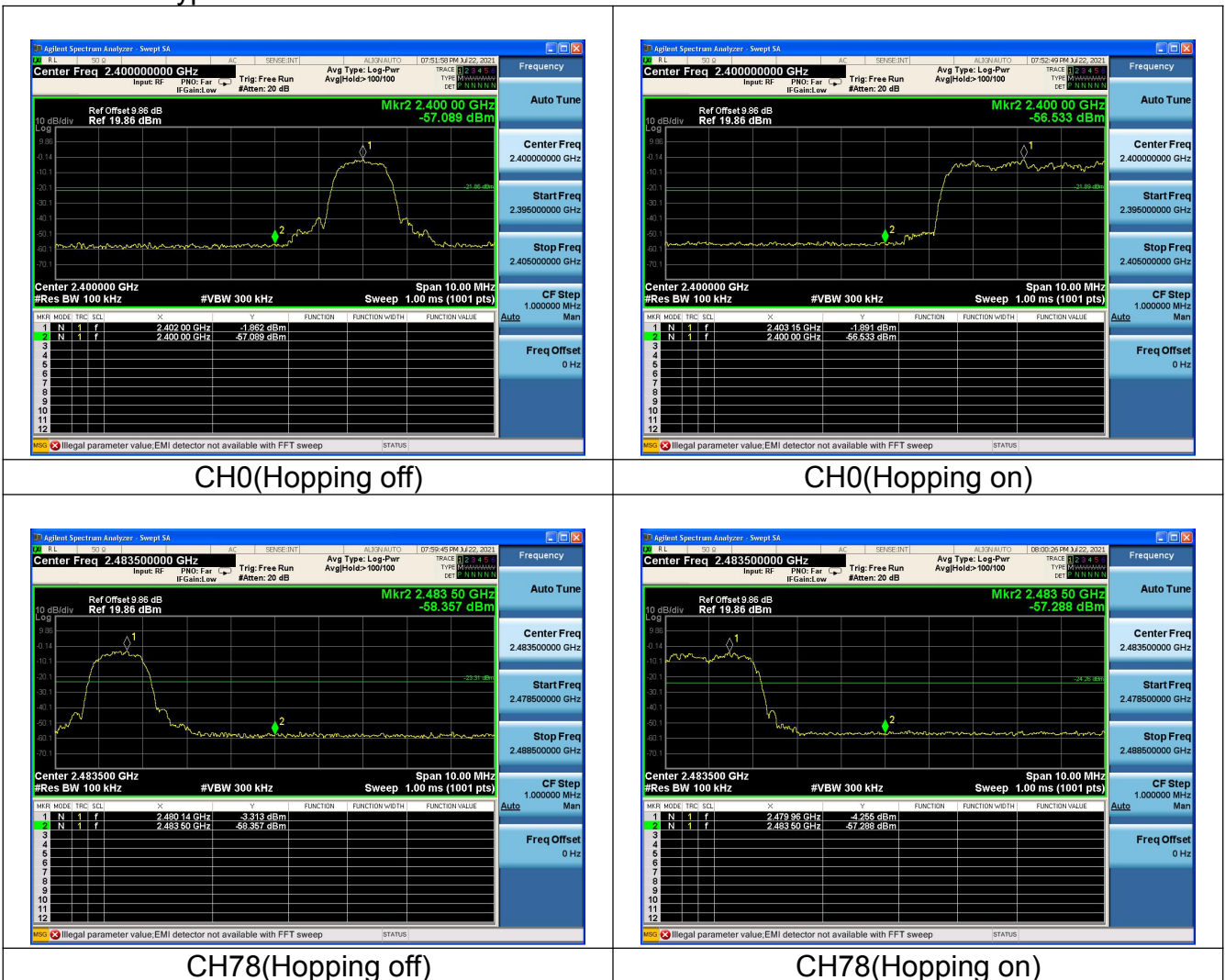
Modulation type: GFSK



Modulation type:  $\pi/4$ DQPSK



Modulation type: 8DPSK



## **APPENDIX B – TEST DATA OF RADIATED EMISSION**

### **Radiated Emission Band Edge**

The worst case attitude: The EUT lay down.

The measurement results are obtained as described below:

Measure Level = Reading Level + cable loss + antenna factor

Sample calculation: (97.11dBuV/m) = (63.11dBμV) + (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	97.11	63.11	N/A	N/A	8.90	25.10
2	2390	42.61	8.61	-31.39	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	95.03	61.03	N/A	N/A	8.90	25.10
2	2390	42.42	8.42	-31.58	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	96.69	62.69	N/A	N/A	8.90	25.10
2	2390	33.23	-0.77	-20.77	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	94.59	60.59	N/A	N/A	8.90	25.10
2	2390	33.17	-0.83	-20.83	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	95.66	61.66	N/A	N/A	8.90	25.10
2	2483.5	43.18	9.18	-30.82	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	93.33	59.33	N/A	N/A	8.90	25.10
2	2483.5	41.98	7.98	-32.02	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	94.25	60.25	N/A	N/A	8.90	25.10
2	2483.5	33.22	-0.78	-20.78	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	91.76	57.76	N/A	N/A	8.90	25.10
2	2483.5	32.98	-1.02	-21.02	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	97.56	63.56	N/A	N/A	8.90	25.10
2	2390	43.89	9.89	-30.11	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	95.17	61.17	N/A	N/A	8.90	25.10
2	2390	41.97	7.97	-32.03	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	95.74	61.74	N/A	N/A	8.90	25.10
2	2390	34.07	0.07	-19.93	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	95.74	61.74	N/A	N/A	8.90	25.10
2	2390	34.07	0.07	-19.93	54.00	8.90	25.10

1	2402	92.82	58.82	N/A	N/A	8.90	25.10
2	2390	32.84	-1.16	-21.16	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	96.14	62.14	N/A	N/A	8.90	25.10
2	2483.5	43.43	9.43	-30.57	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	93.22	59.22	N/A	N/A	8.90	25.10
2	2483.5	43.37	9.37	-30.63	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	93.74	59.74	N/A	N/A	8.90	25.10
2	2483.5	34.10	0.10	-19.90	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	90.99	56.99	N/A	N/A	8.90	25.10
2	2483.5	32.44	-1.56	-21.56	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	96.95	62.95	N/A	N/A	8.90	25.10
2	2390	42.85	8.85	-31.15	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	94.87	60.87	N/A	N/A	8.90	25.10
2	2390	41.29	7.29	-32.71	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	96.68	62.68	N/A	N/A	8.90	25.10
2	2390	33.08	-0.92	-20.92	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	94.26	60.26	N/A	N/A	8.90	25.10
2	2390	32.50	-1.50	-21.50	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	96.84	62.84	N/A	N/A	8.90	25.10
2	2483.5	43.48	9.48	-30.52	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	93.97	59.97	N/A	N/A	8.90	25.10
2	2483.5	42.22	8.22	-31.78	74.00	8.90	25.10

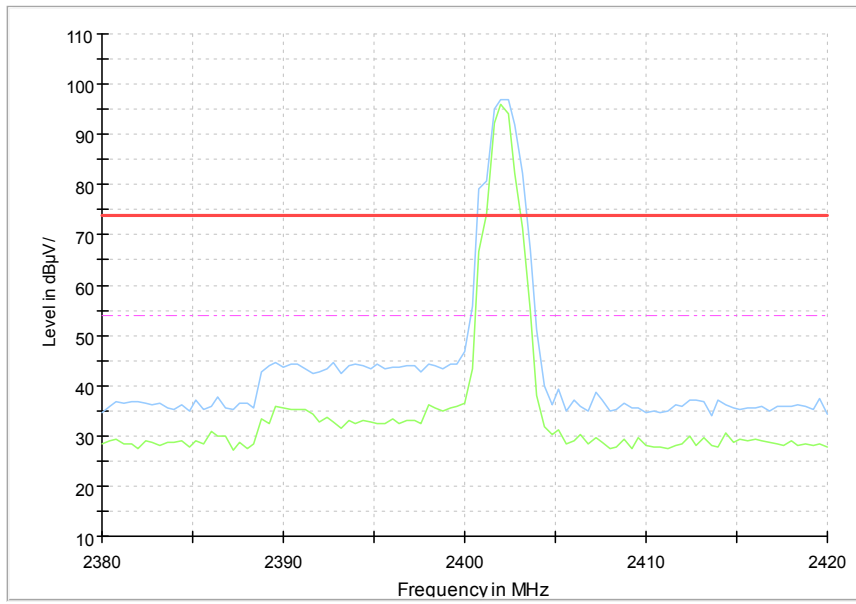
Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode: 8DPSK  
Polarity: Vertical  
Detector: Average

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	94.28	60.28	N/A	N/A	8.90	25.10
2	2483.5	34.30	0.30	-19.70	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	91.75	57.75	N/A	N/A	8.90	25.10
2	2483.5	33.12	-0.88	-20.88	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: (6.89 dB $\mu$ V/m) = (24.89dB $\mu$ V) + (-18.0dB/m), the corresponding frequency is 44.307500MHz.

The worst case attitude: The mobile lay down.

For GFSK

Channel No.:0

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB/m)	Pmea (dB $\mu$ V)	Polarity	Limit (dB $\mu$ V/m)
44.307500	6.89	-18.0	24.89	Vertical	40.00
58.178500	6.42	-18.6	25.02	Vertical	40.00
170.553000	2.66	-21.6	24.26	Vertical	43.50
294.470500	19.46	-16.2	35.66	Vertical	46.00
354.416500	24.56	-14.2	38.76	Vertical	46.00
638.529500	18.68	-7.8	26.48	Vertical	46.00

For  $\pi/4$ DQPSK

Channel No.:0

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB/m)	Pmea (dB $\mu$ V)	Polarity	Limit (dB $\mu$ V/m)
51.340000	7.32	-17.7	25.02	Vertical	40.00
57.887500	6.53	-18.5	25.03	Vertical	40.00
98.918500	5.24	-19.3	24.54	Vertical	43.50
292.967000	19.83	-16.3	36.13	Vertical	46.00
350.439500	25.19	-14.3	39.49	Vertical	46.00
631.400000	19.30	-7.9	27.20	Vertical	46.00

For 8DPSK

Channel No.:0

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB/m)	Pmea (dB $\mu$ V)	Polarity	Limit (dB $\mu$ V/m)
40.136500	6.13	-18.5	24.63	Vertical	40.00
56.626500	5.91	-18.4	24.31	Vertical	40.00
170.747000	2.92	-21.6	24.52	Vertical	43.50
303.637000	22.41	-16.0	38.41	Vertical	46.00
350.391000	25.18	-14.4	39.58	Vertical	46.00
637.947500	20.71	-7.8	28.51	Vertical	46.00

For GFSK

Channel No.:39

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB/m)	Pmea (dB $\mu$ V)	Polarity	Limit (dB $\mu$ V/m)
44.841000	7.38	-17.9	25.28	Vertical	40.00

58.081500	6.43	-18.6	25.03	Vertical	40.00
172.444500	7.05	-21.5	28.55	Vertical	43.50
303.588500	21.82	-16.0	37.82	Vertical	46.00
350.827500	24.46	-14.3	38.76	Vertical	46.00
635.231500	19.85	-7.9	27.75	Vertical	46.00

For  $\pi/4$ DQPSK  
Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
45.035000	7.35	-17.9	25.25	Vertical	40.00
57.548000	6.49	-18.5	24.99	Vertical	40.00
159.349500	7.05	-22.1	29.15	Vertical	43.50
303.734000	22.37	-16.0	38.37	Vertical	46.00
350.488000	25.71	-14.3	40.01	Vertical	46.00
641.245500	20.25	-7.8	28.05	Vertical	46.00

For 8DPSK  
Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
50.903500	7.22	-17.6	24.82	Vertical	40.00
56.044500	5.49	-18.3	23.79	Vertical	40.00
172.202000	7.54	-21.5	29.04	Vertical	43.50
303.685500	22.47	-16.0	38.47	Vertical	46.00
354.319500	25.32	-14.2	39.52	Vertical	46.00
637.220000	20.93	-7.8	28.73	Vertical	46.00

For GFSK  
Channel No.:78

Frequency (MHz)	Result (dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
45.423000	7.48	-17.9	25.38	Vertical	40.00
58.130000	6.49	-18.6	25.09	Vertical	40.00
159.301000	5.94	-22.1	28.04	Vertical	43.50
294.228000	19.06	-16.2	35.26	Vertical	46.00
354.222500	25.54	-14.2	39.74	Vertical	46.00
646.483500	20.36	-7.7	28.06	Vertical	46.00

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

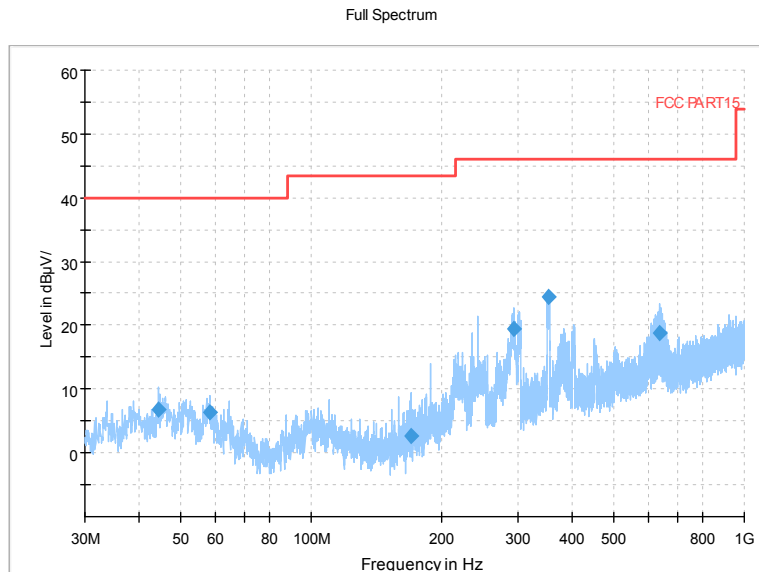
Frequency (MHz)	Result (dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
51.825000	7.31	-17.8	25.11	Vertical	40.00
57.936000	6.48	-18.6	25.08	Vertical	40.00
159.301000	5.92	-22.1	28.02	Vertical	43.50
303.637000	22.74	-16.0	38.74	Vertical	46.00
350.585000	25.15	-14.3	39.45	Vertical	46.00

639.645000	21.03	-7.8	28.83	Vertical	46.00
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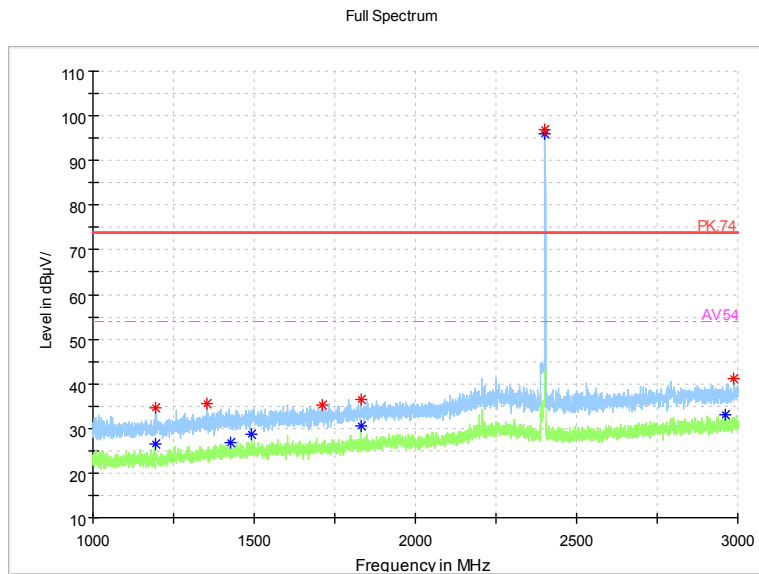
For 8DPSK  
Channel No.:78

Frequency (MHz)	Result (dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
45.859500	7.34	-17.8	25.14	Vertical	40.00
58.712000	6.27	-18.7	24.97	Vertical	40.00
172.396000	7.14	-21.5	28.64	Vertical	43.50
303.588500	22.04	-16.0	38.04	Vertical	46.00
350.779000	24.30	-14.3	38.60	Vertical	46.00
633.437000	20.92	-7.9	28.82	Vertical	46.00

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

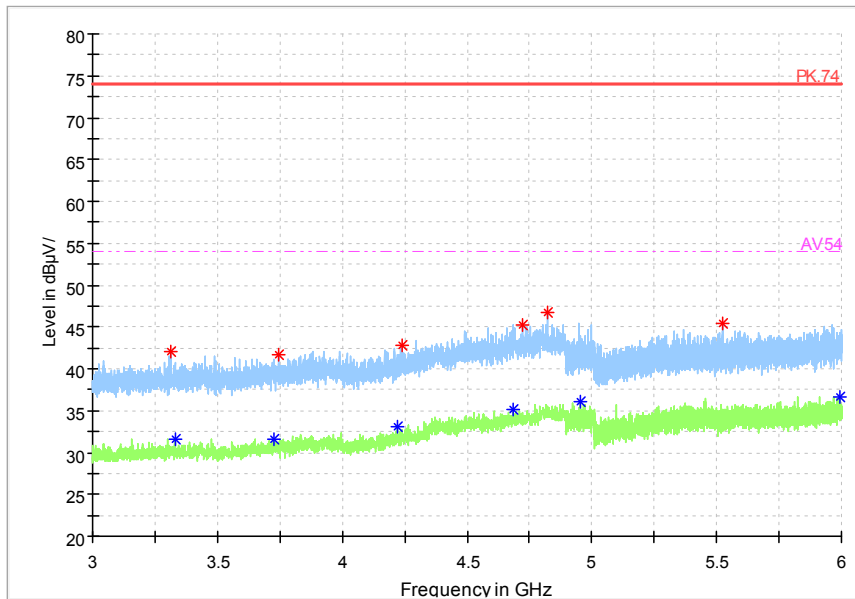


Frequency Range: 30MHz-1000MHz  
Detector: QP mode  
Modulation type: GFSK



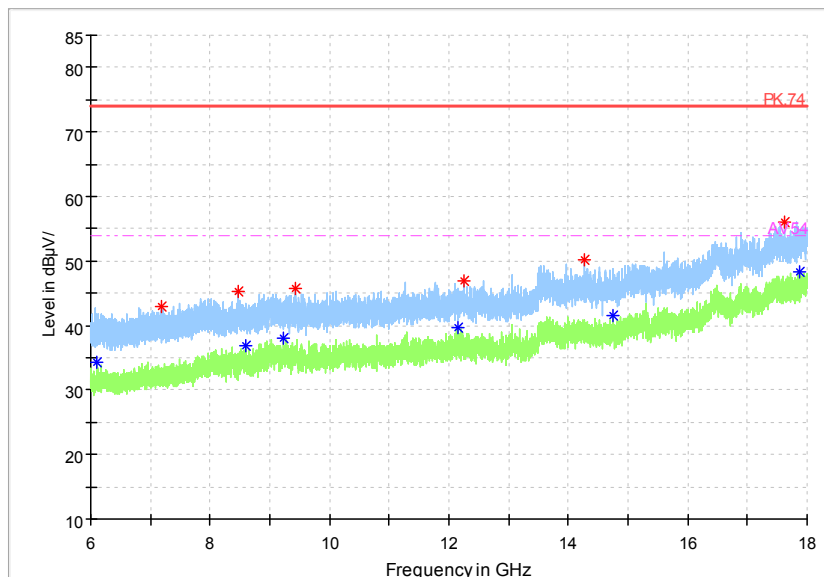
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



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

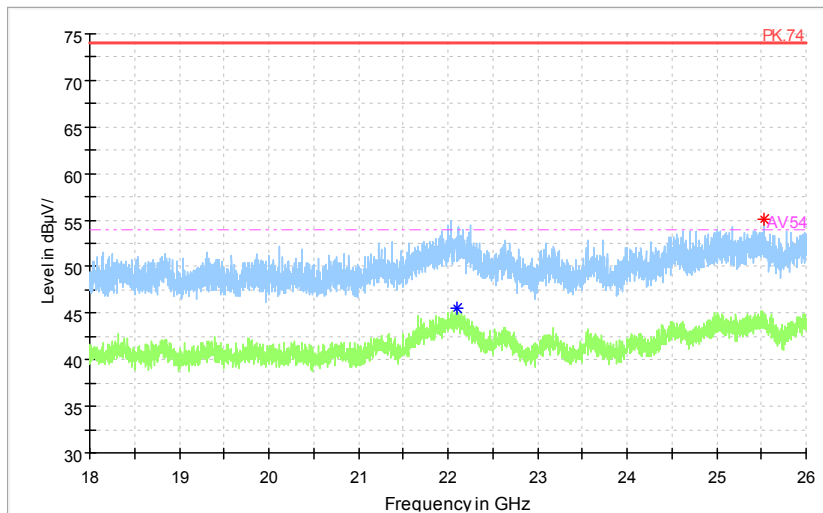
Full Spectrum



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



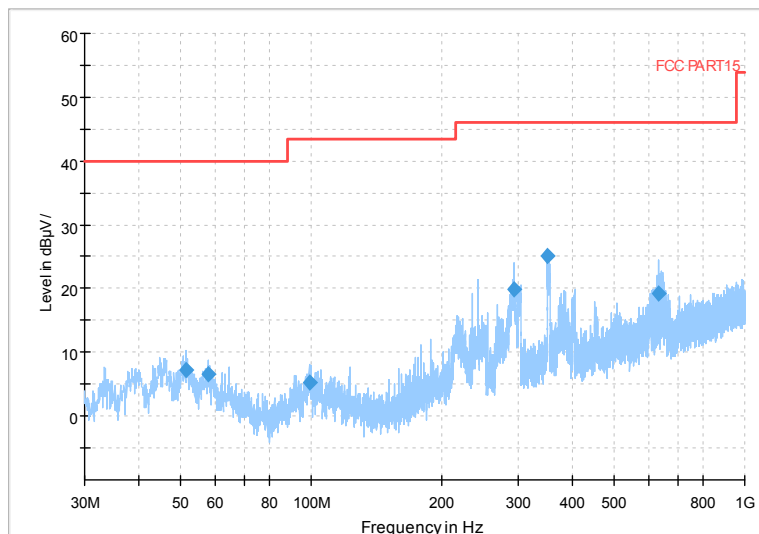
Full Spectrum



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

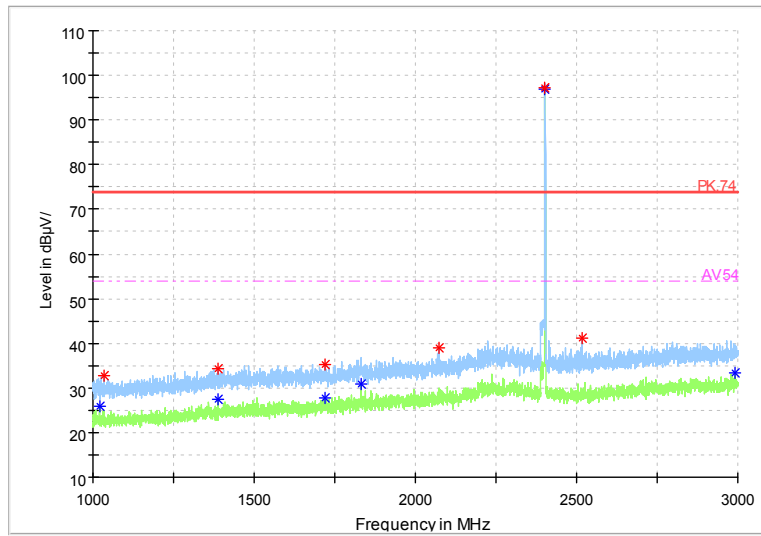
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



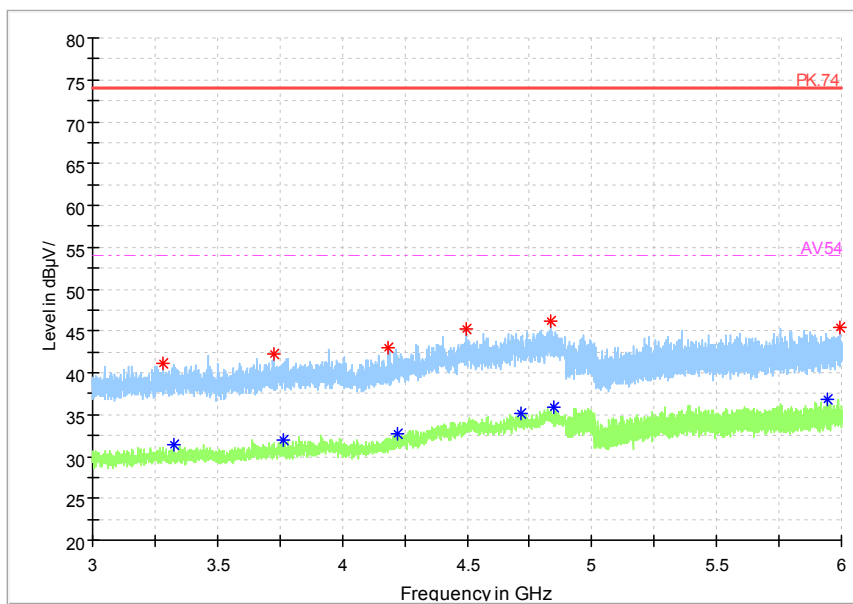
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



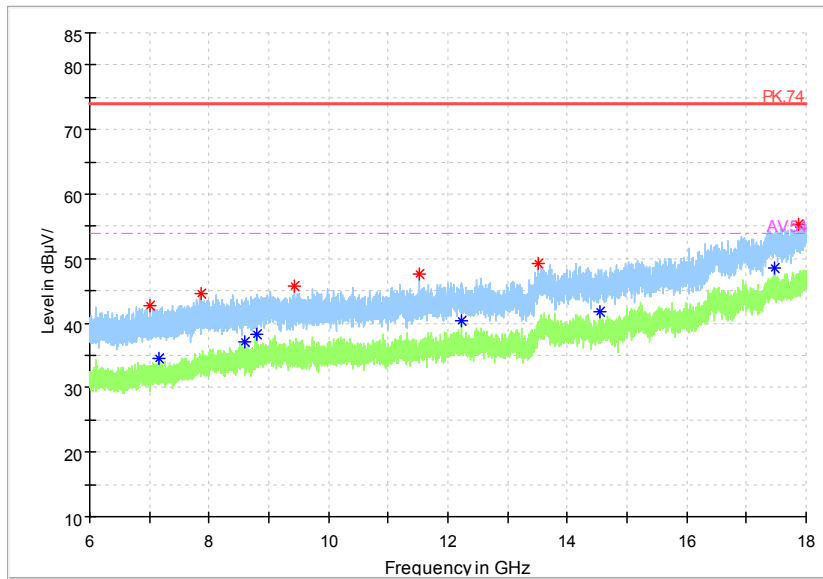
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

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

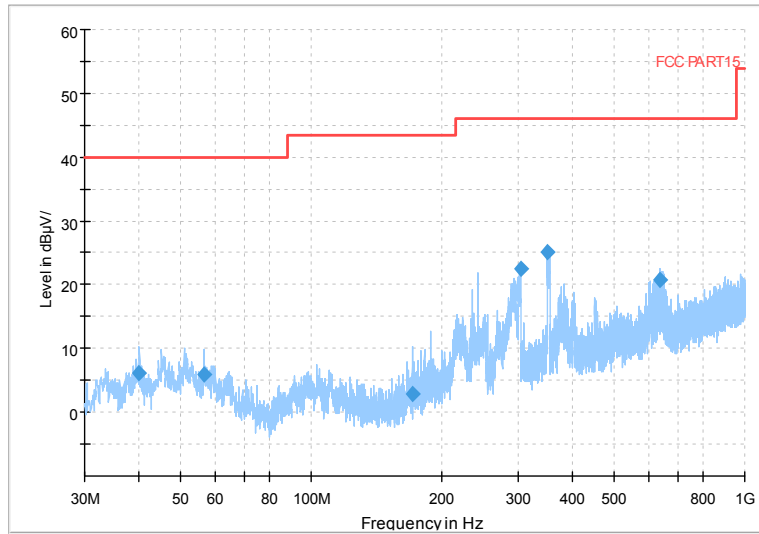
Full Spectrum



◆ Preview Result 2-AVG     ◆ Preview Result 1-PK+     \* Critical\_Freqs AVG  
◆ Final\_Result PK+     ◆ Final\_Result AVG     AV.54

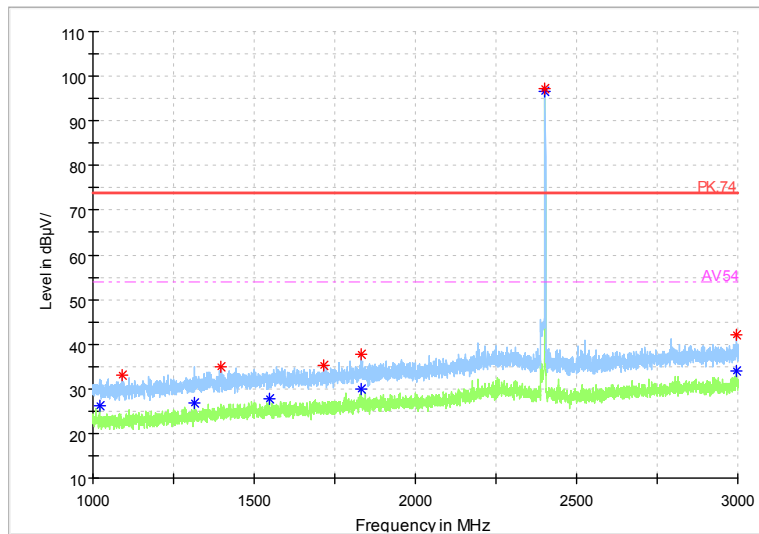
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



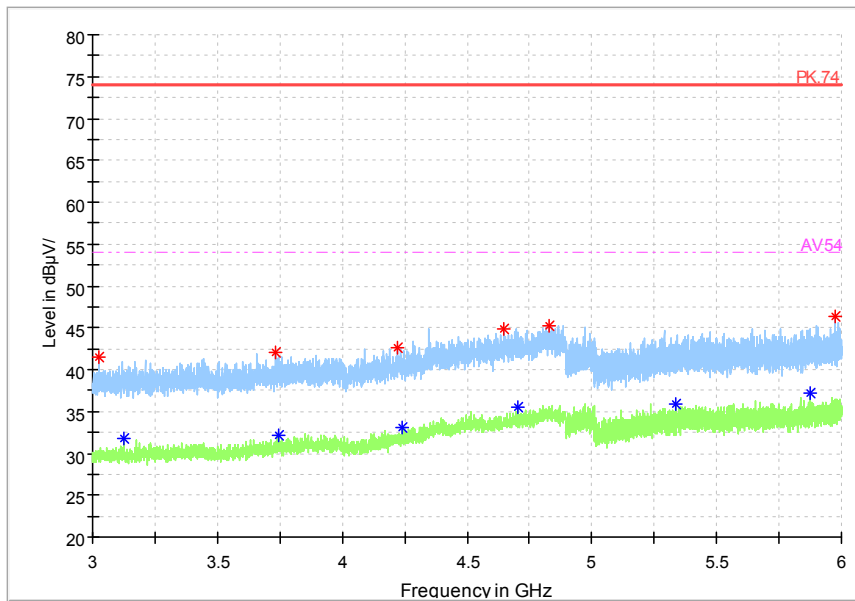
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type: 8DPSK

Full Spectrum



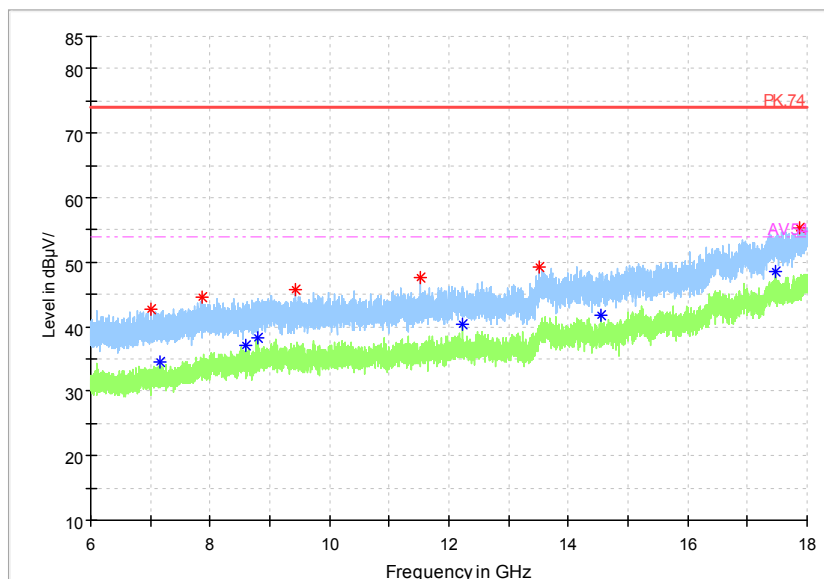
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



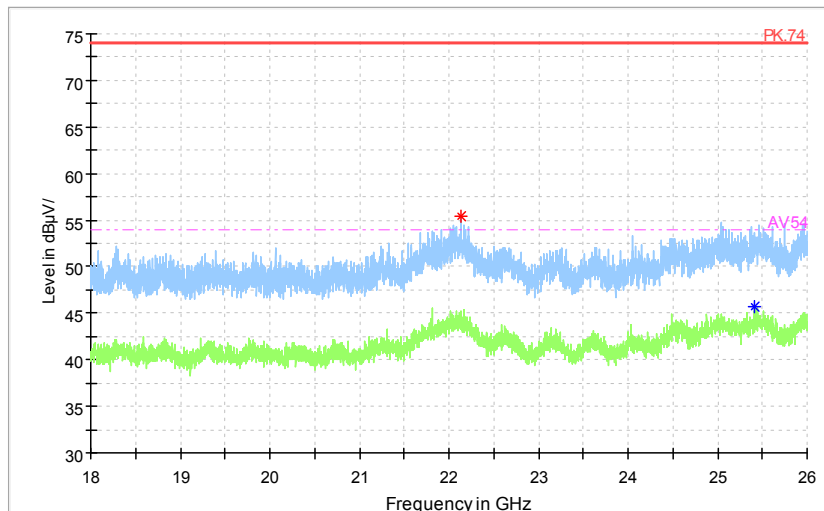
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



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

Full Spectrum

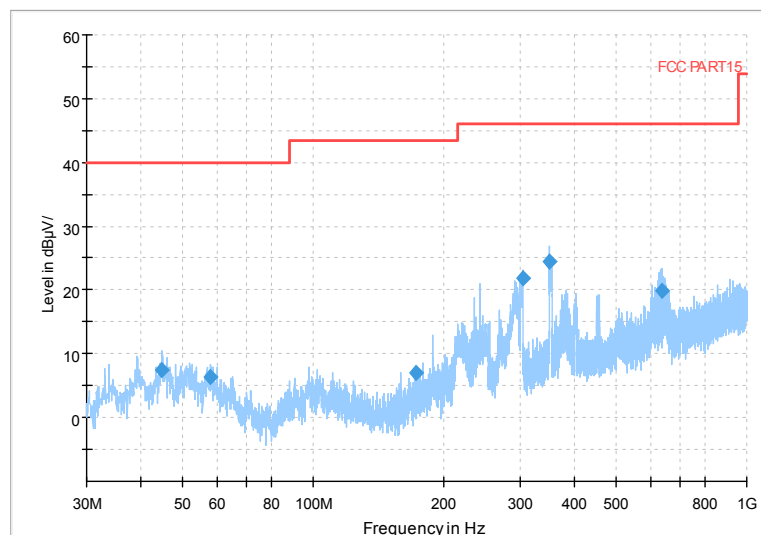


◆ Preview Result 2-AVG     ◆ Preview Result 1-PK+     \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+     — PK.74     - - - AV54  
◆ Final\_Result PK+     ◆ Final\_Result AVG

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

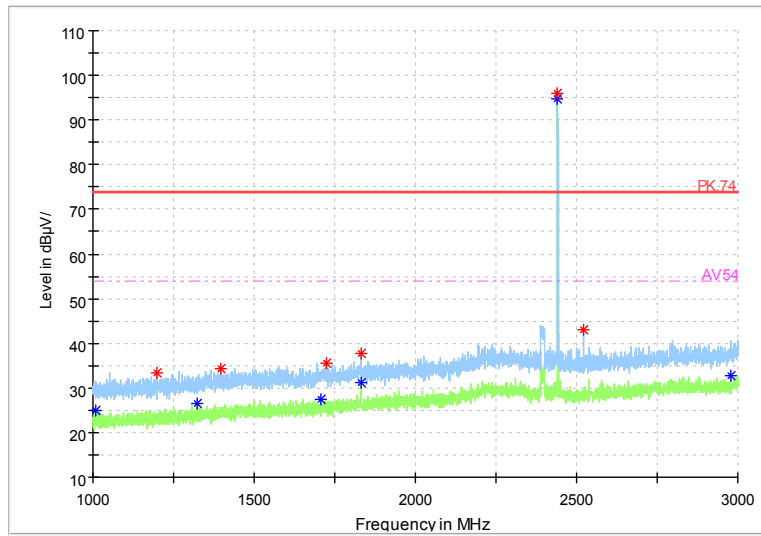
Carrier frequency (MHz): 2441  
 Channel No.:39

Full Spectrum



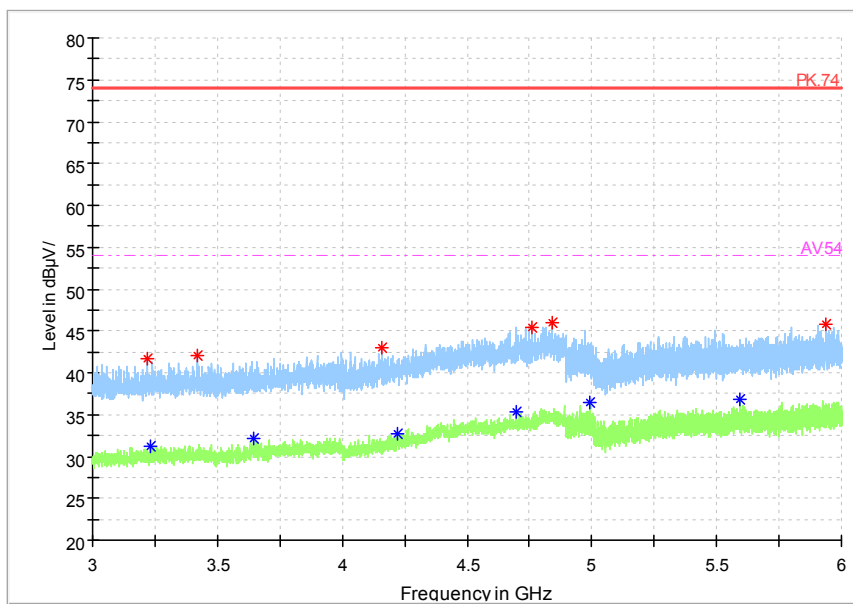
Frequency Range: 30MHz-1000MHz  
 Detector: QP mode  
 Modulation type: GFSK

Full Spectrum



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

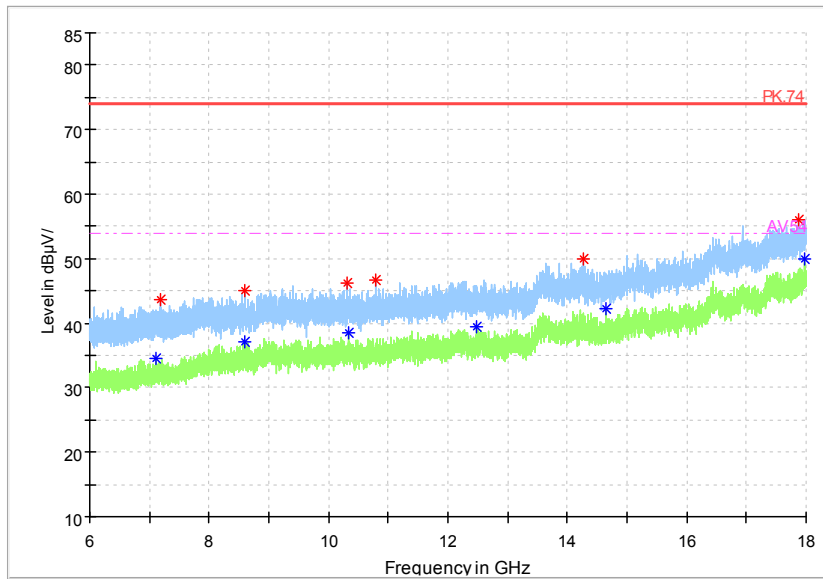
Full Spectrum



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

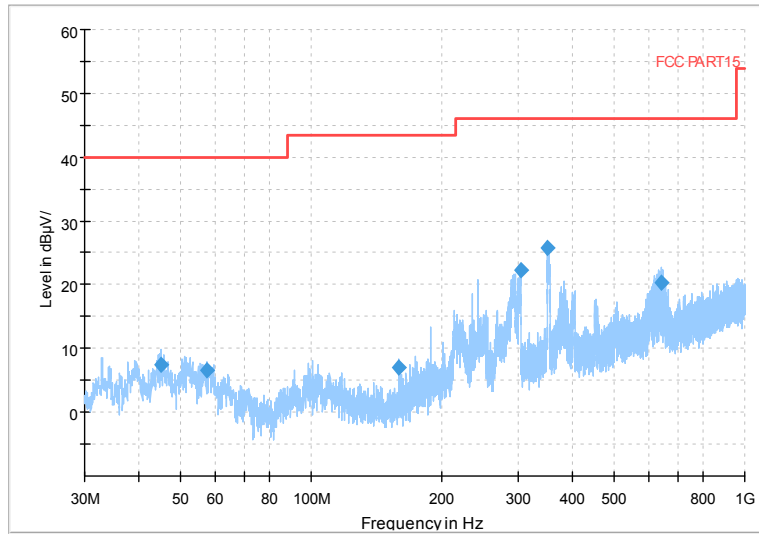
Full Spectrum



\* Preview Result 2-AVG  
\* Critical\_Freqs PK+  
◆ Final\_Result PK+
 — Preview Result 1-PK+  
— PK.74  
◆ Final\_Result AVG
 - - - Critical\_Freqs AVG  
- - - AV.54

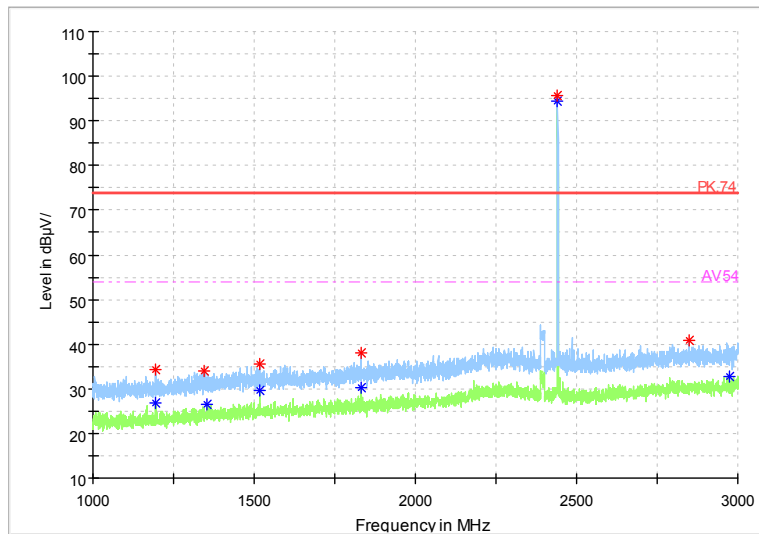
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



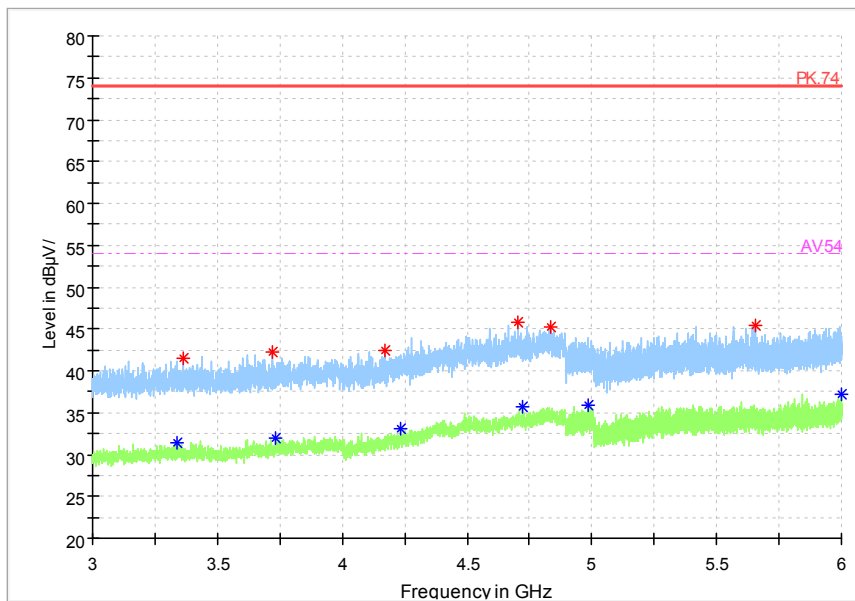
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



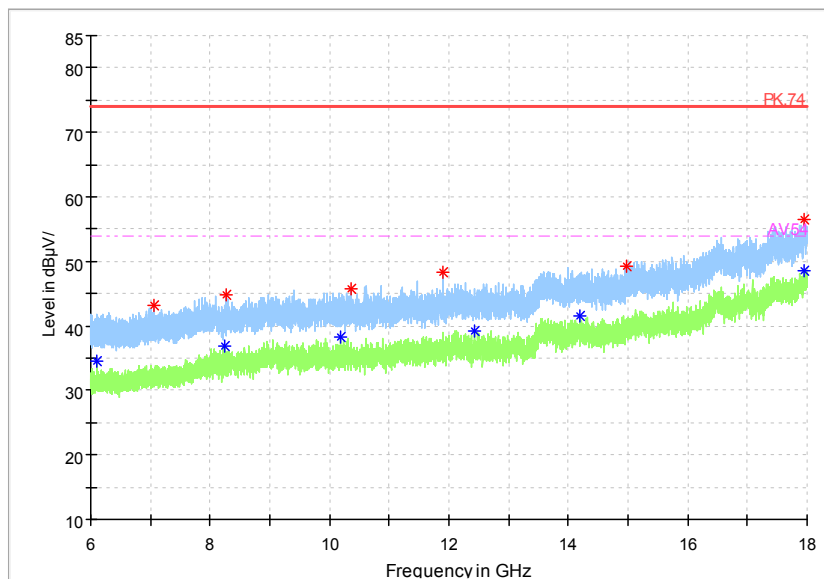
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



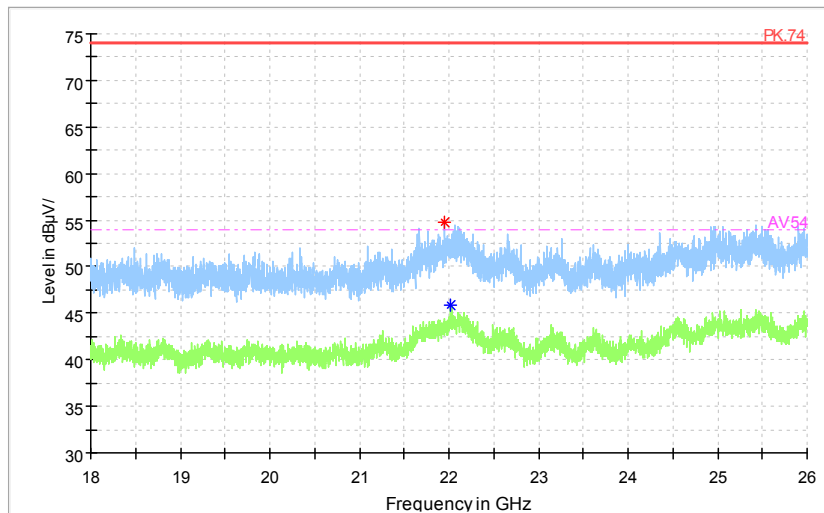
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



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

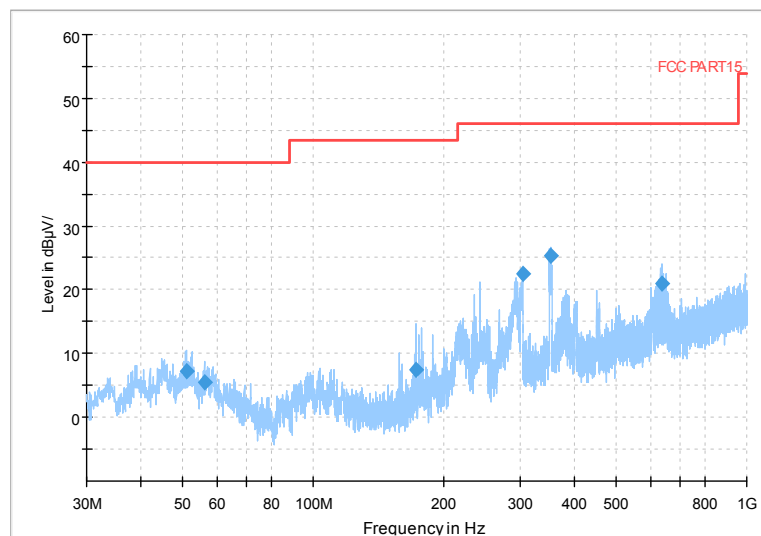
Full Spectrum



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

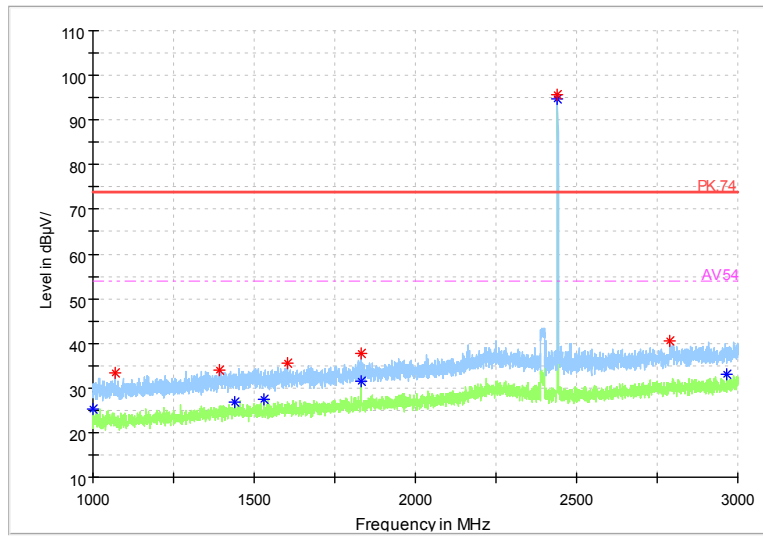
Frequency Range: 18GHz-25GHz  
 Detector: Av mode and PK mode  
 Modulation type:  $\pi/4$ DQPSK

Full Spectrum



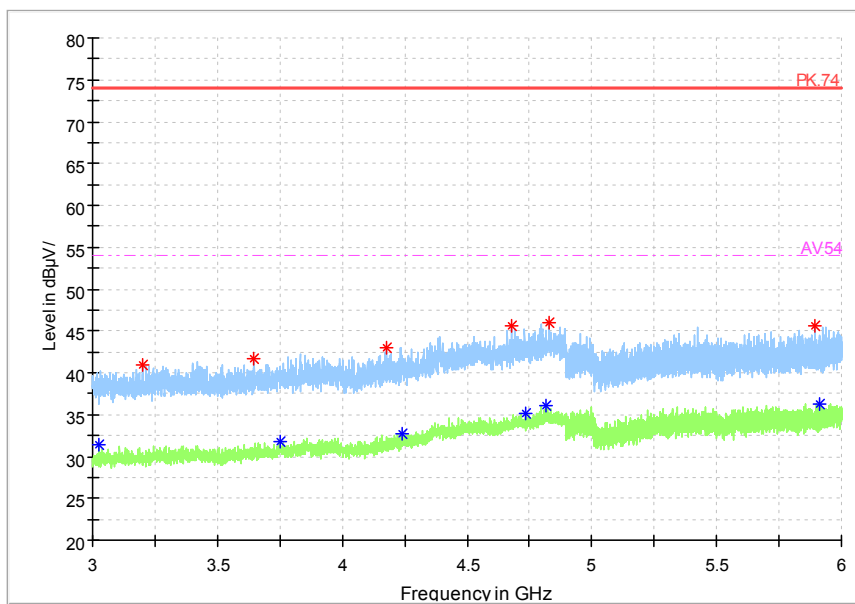
Frequency Range: 30MHz-1000 MHz  
 Detector: QP mode  
 Modulation type: 8DPSK

Full Spectrum



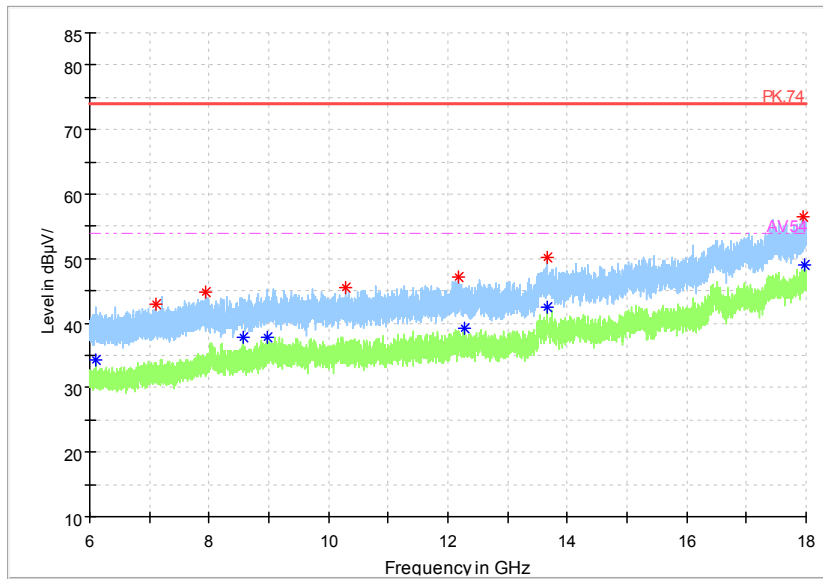
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



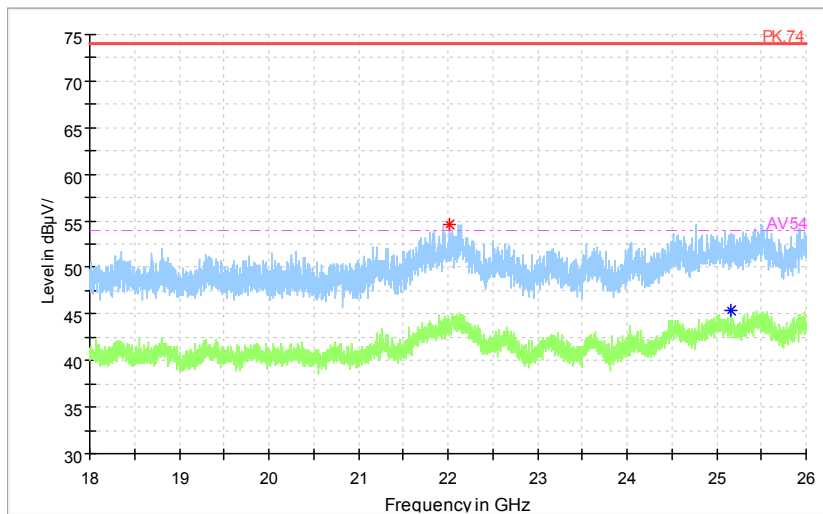
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



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

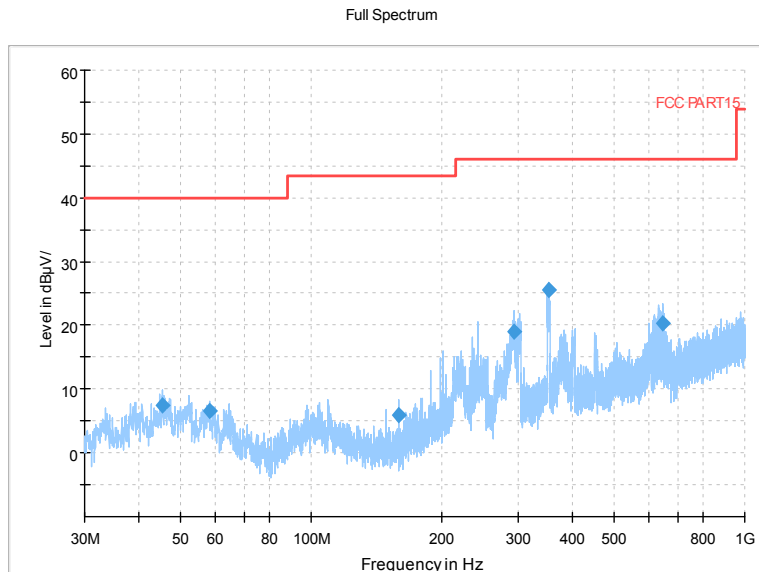
Full Spectrum



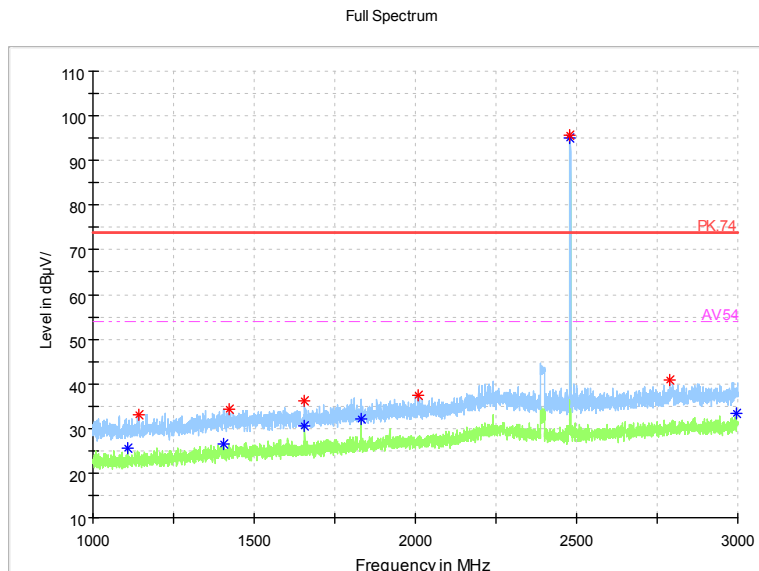
\* Preview Result 2-AVG      \* Critical\_Freqs AVG  
\* Critical\_Freqs PK+      — PK.74  
◆ Final\_Result PK+      ◆ Final\_Result AVG

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

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



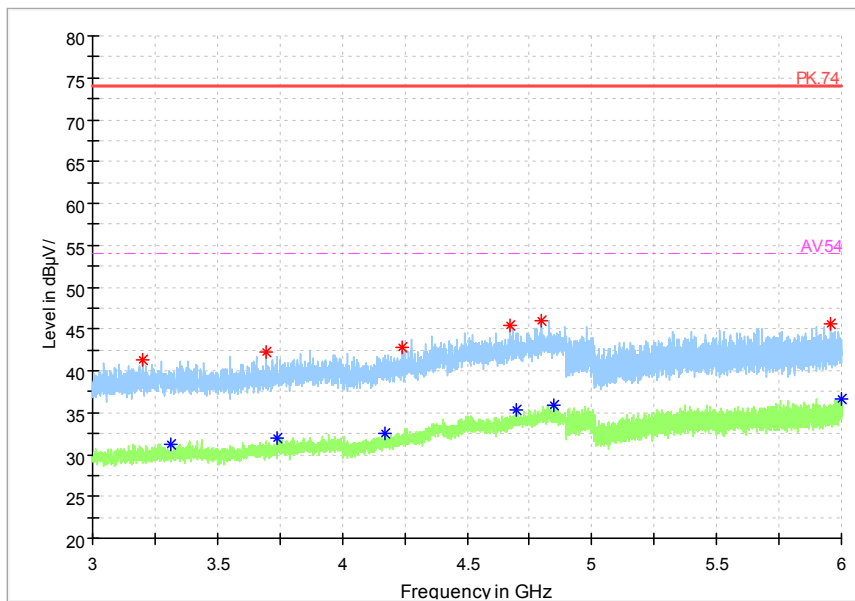
Frequency Range: 30MHz-1000MHz  
Detector: QP mode  
Modulation type: GFSK



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

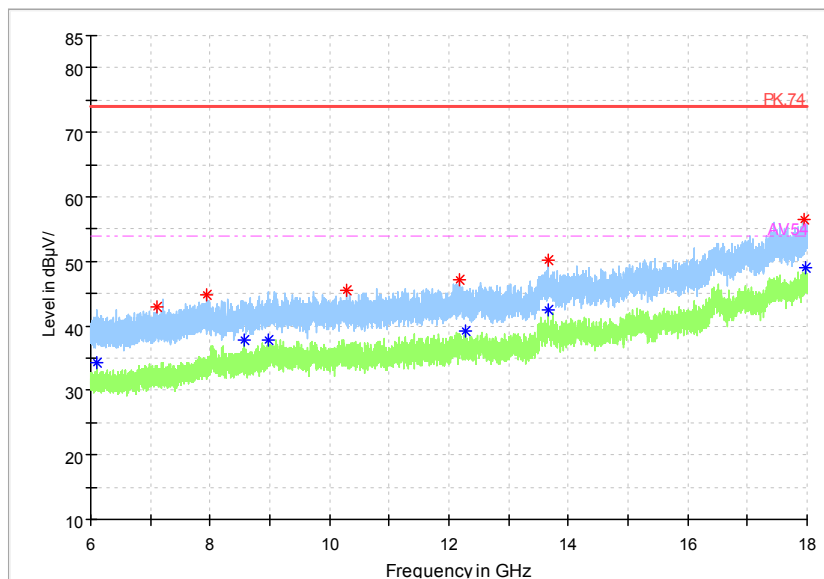


Full Spectrum



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

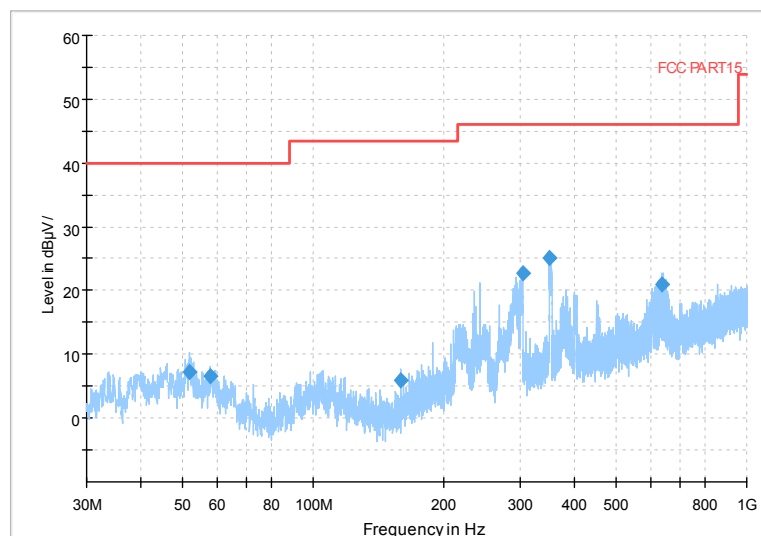
Full Spectrum



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

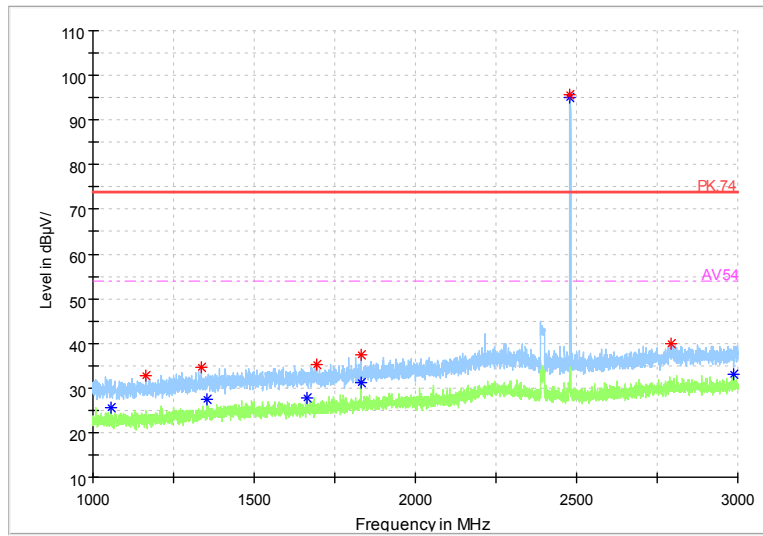
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



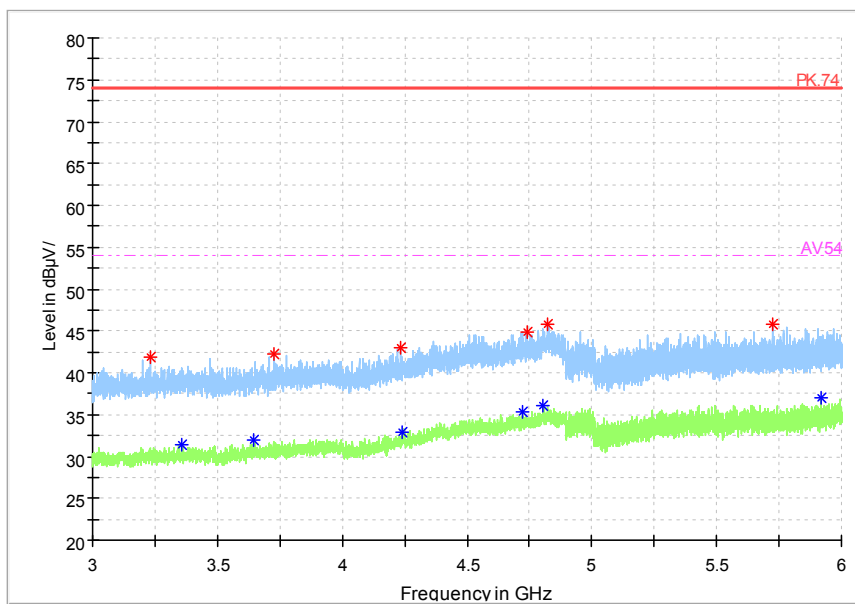
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



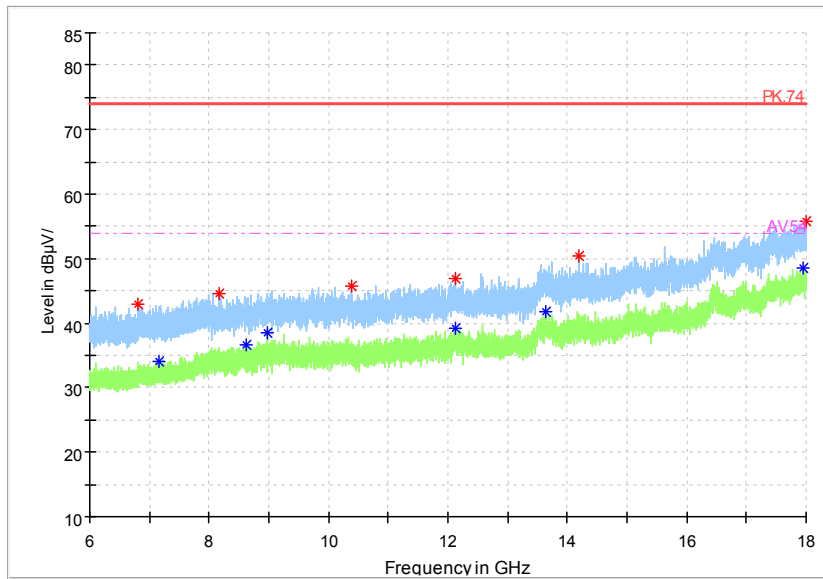
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

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

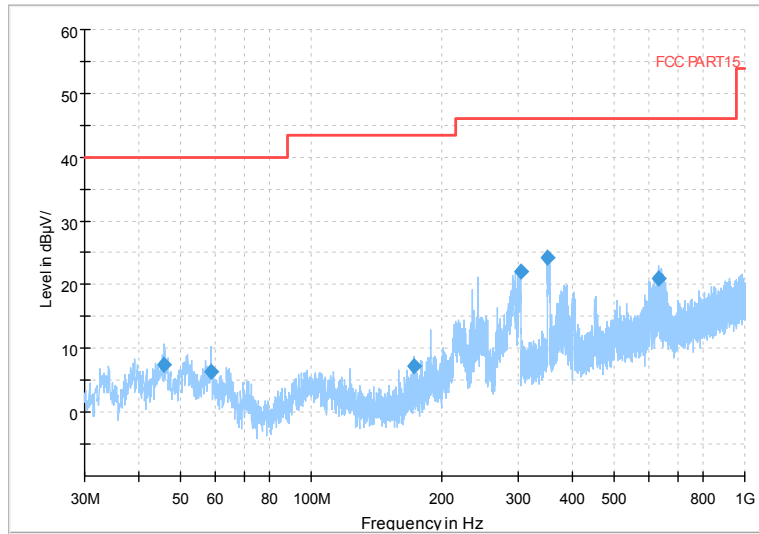
Full Spectrum



	Preview Result 2-AVG Critical_Freqs PK+		Preview Result 1-PK+		Critical_Freqs AVG
	Final_Result PK+		Final_Result AVG		AV54

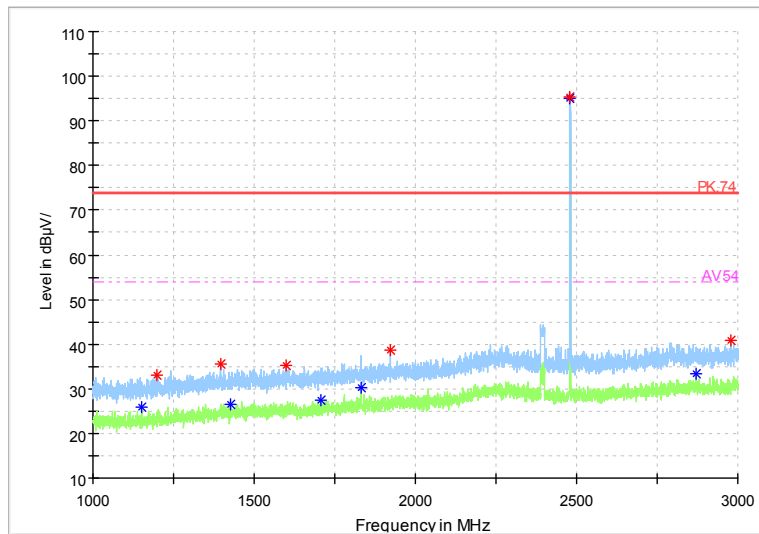
Frequency Range: 18GHz-25GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



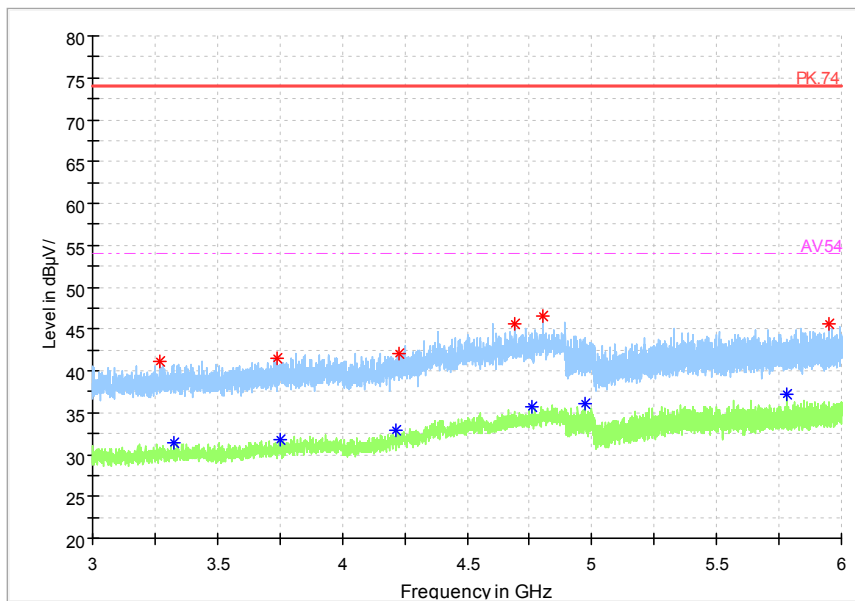
Frequency Range: 30MHz-1000 MHz  
Detector: QP mode  
Modulation type: 8DPSK

Full Spectrum



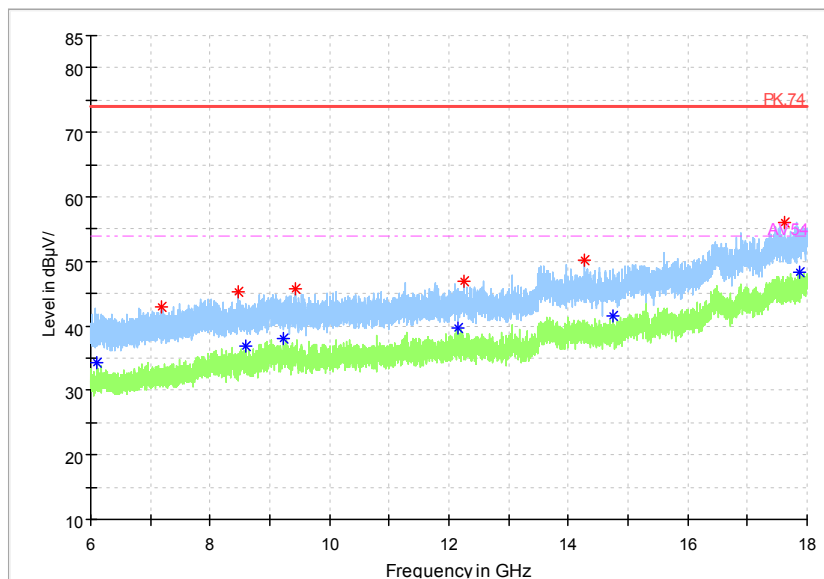
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



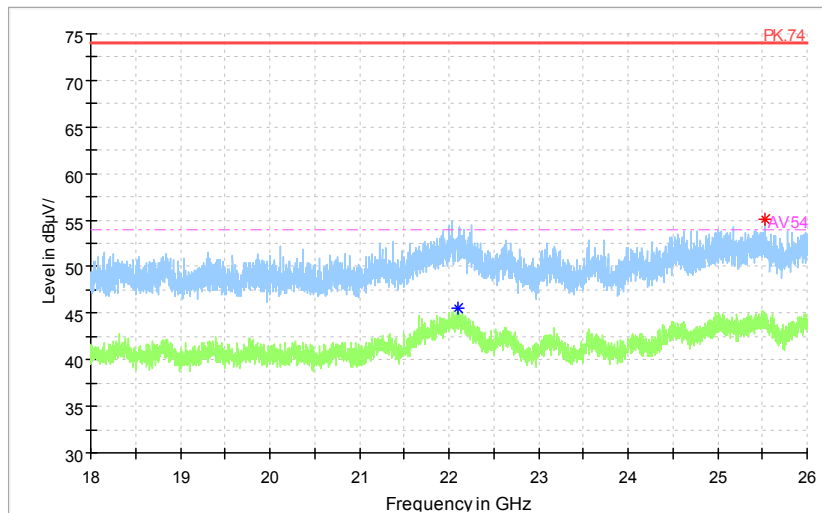
Frequency Range: 3GHz- 6GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



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

Full Spectrum



—	Preview Result 2-AVG	—	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: 8DPSK



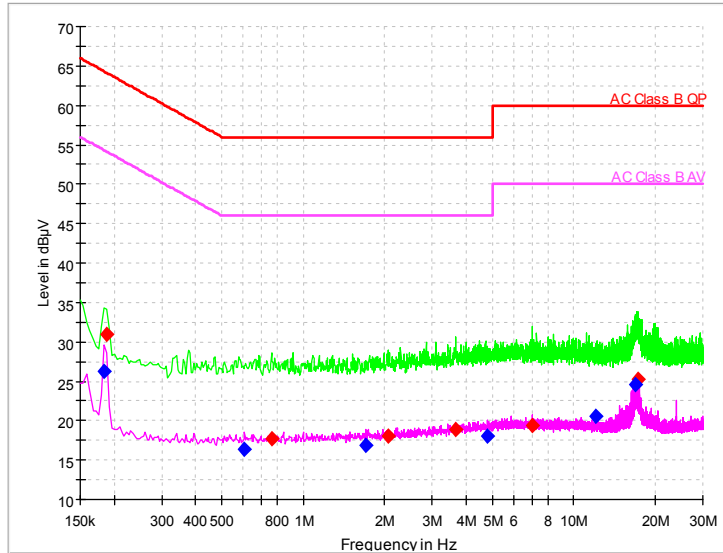
**AC Power line Conducted Emission**

A “reference path loss” Corr.(dB) is established and the  $L_{cable}+ATT+VDF$  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:

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

Sample calculation:  $(26.28 \text{ dB}\mu\text{V}) = (-4.22 \text{ dB}\mu\text{V}) + (30.5 \text{ dB})$ , the corresponding frequency is 0.184114MHz.



L+N Line

**MEASUREMENT RESULT:**

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	Pmea Quasi Peak (dBµV)	Pmea Average (dBµV)
0.184114	---	26.28	54.30	28.02	L3	30.5	---	-4.22
0.188379	30.89	---	64.11	33.22	L3	30.5	0.39	---
0.606279	---	16.35	46.00	29.65	N	30.4	---	-14.0
0.764057	17.65	---	56.00	38.35	N	30.4	-12.75	---
1.702200	---	16.90	46.00	29.10	N	30.4	---	-13.5
2.068929	18.07	---	56.00	37.93	N	30.4	-12.33	---
3.655243	18.80	---	56.00	37.20	L3	30.4	-11.6	---
4.802336	---	18.05	46.00	27.95	N	30.4	---	-12.3
7.053879	19.38	---	60.00	40.62	L3	30.4	-11.02	---
12.000450	---	20.61	50.00	29.39	L3	30.4	---	-9.79
16.921436	---	24.57	50.00	25.43	L3	30.4	---	-5.83
17.232729	25.19	---	60.00	34.81	L3	30.4	-5.21	---

---End of Test Report---