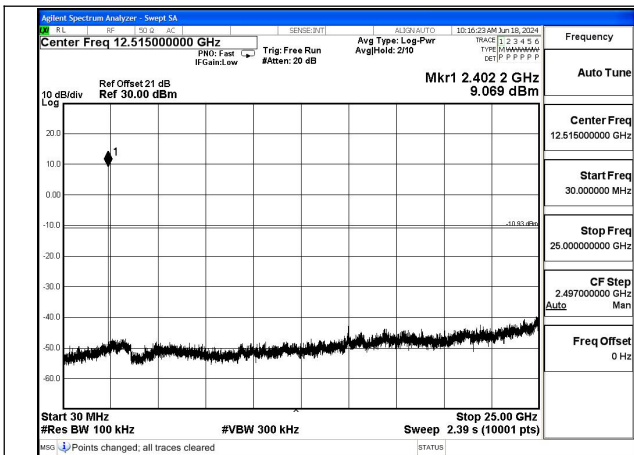
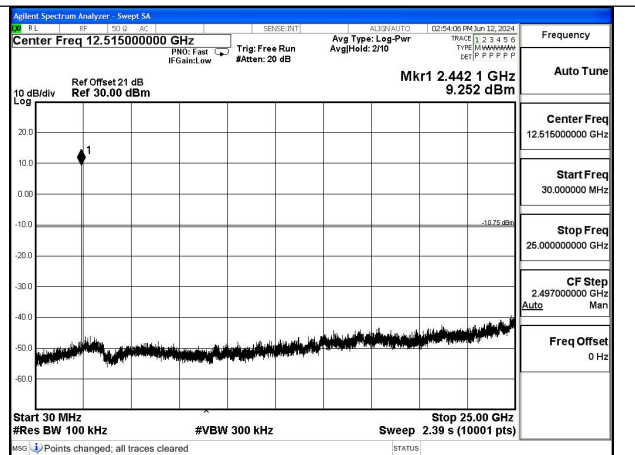


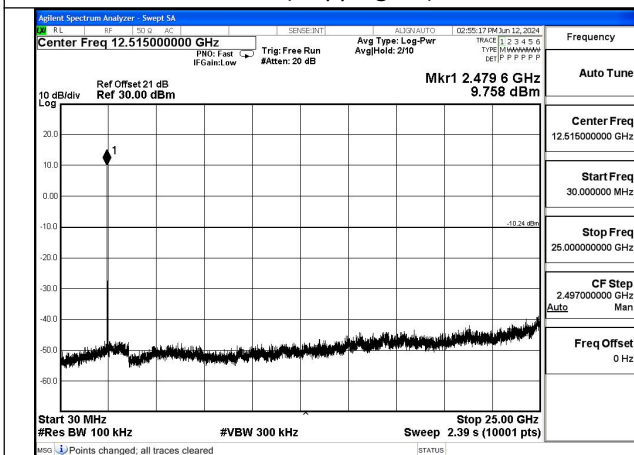
Test Mode:  $\pi$ /4DQPSK



CH0(Hopping off)

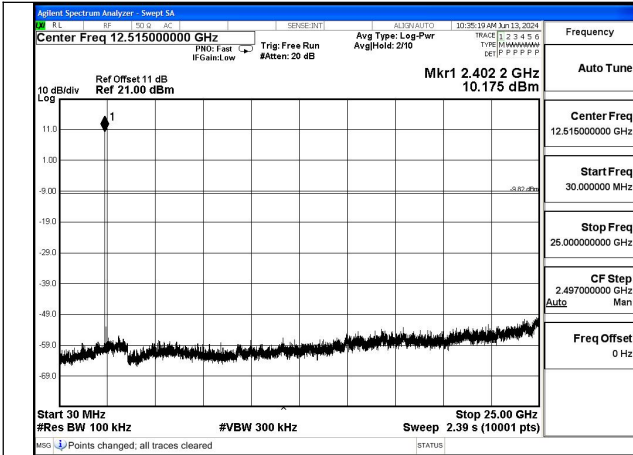


CH39(Hopping off)

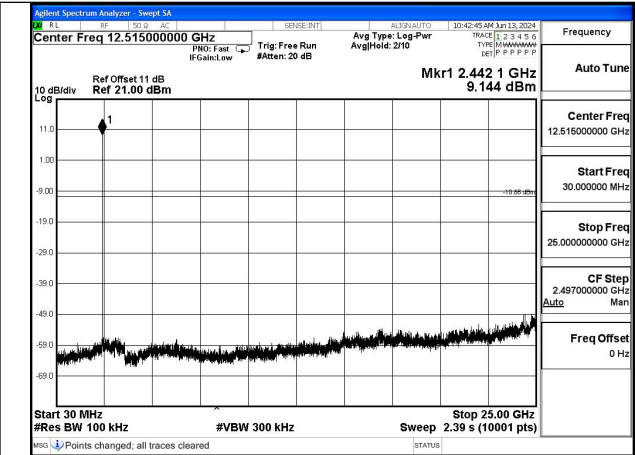


CH78(Hopping off)

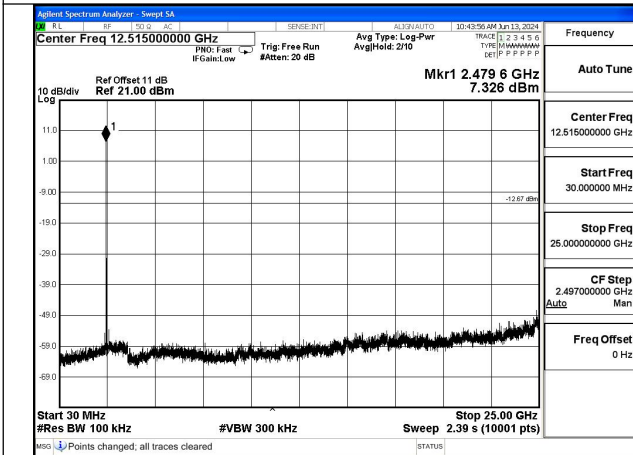
Test Mode: 8DPSK



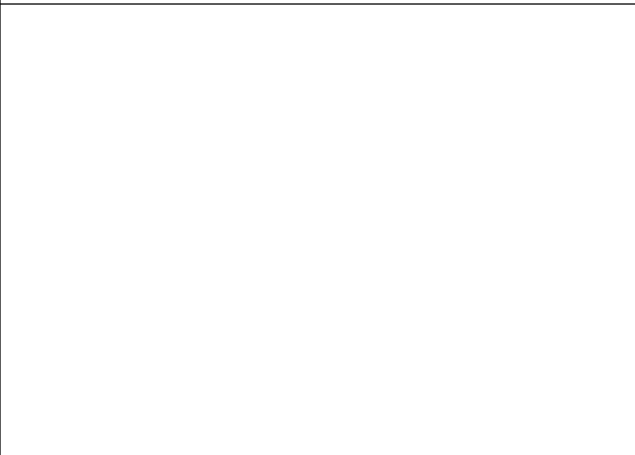
CH0(Hopping off)



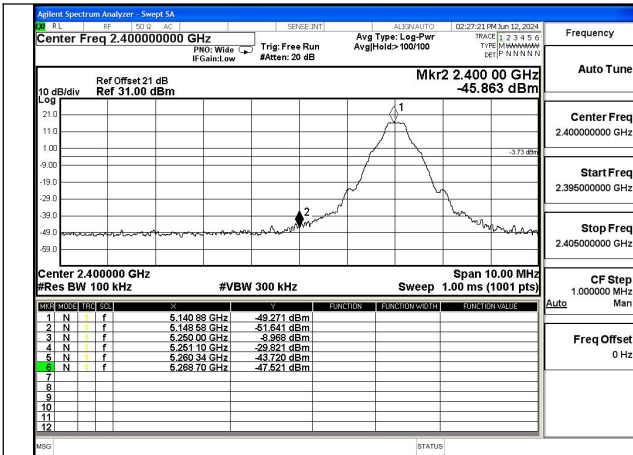
CH39(Hopping off)



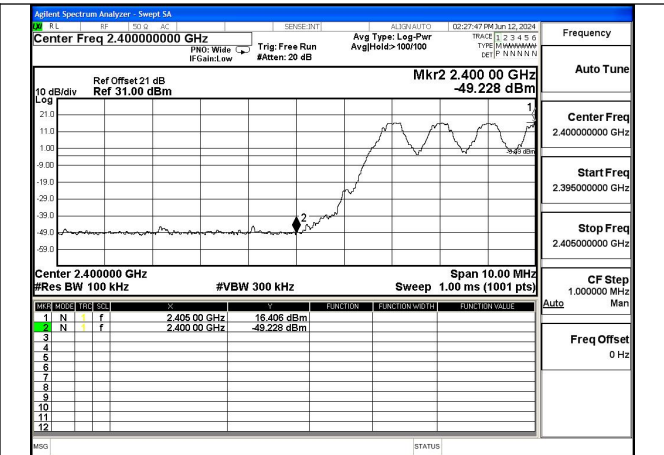
CH78(Hopping off)



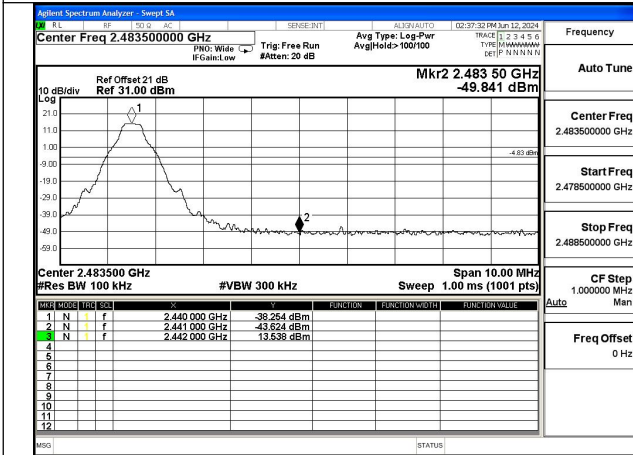
**Band Edge measurement**  
Test Mode: GFSK



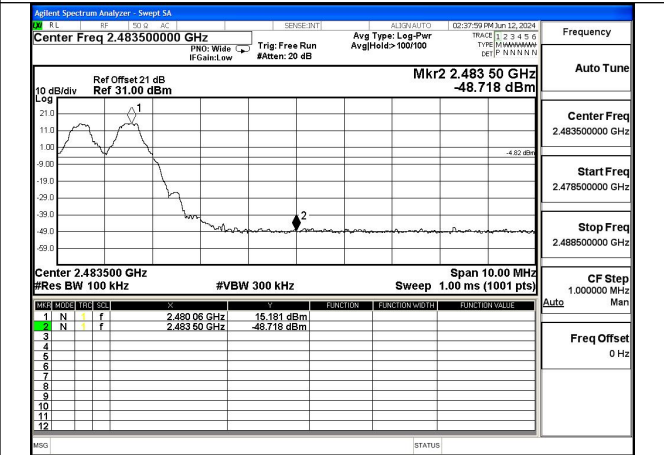
CH0(Hopping off)



CH0(Hopping on)

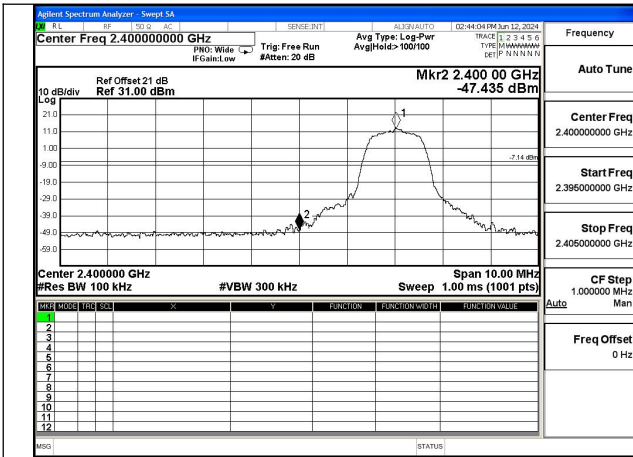


CH78(Hopping off)

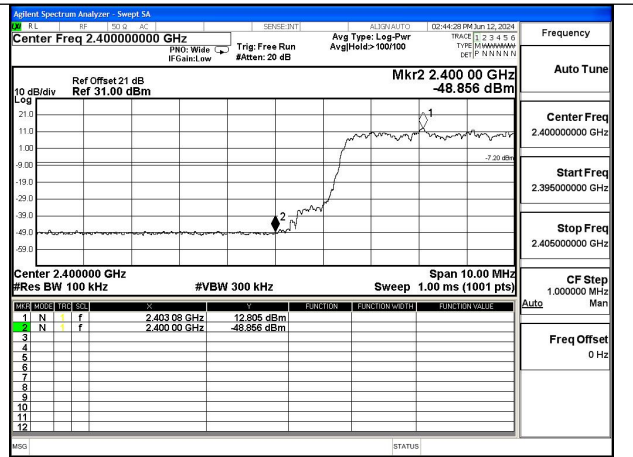


CH78(Hopping on)

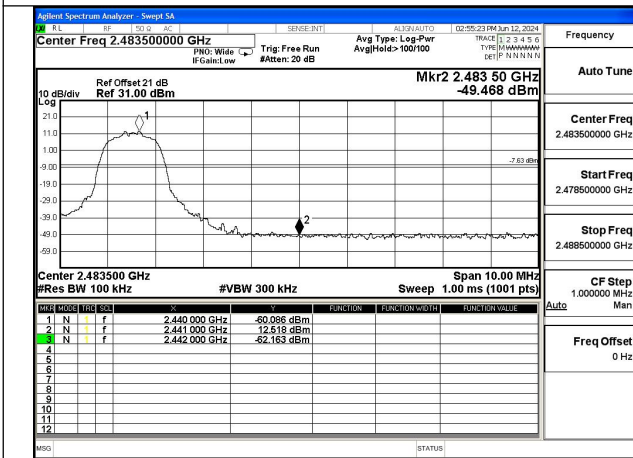
Test Mode:  $\pi$  /4DQPSK



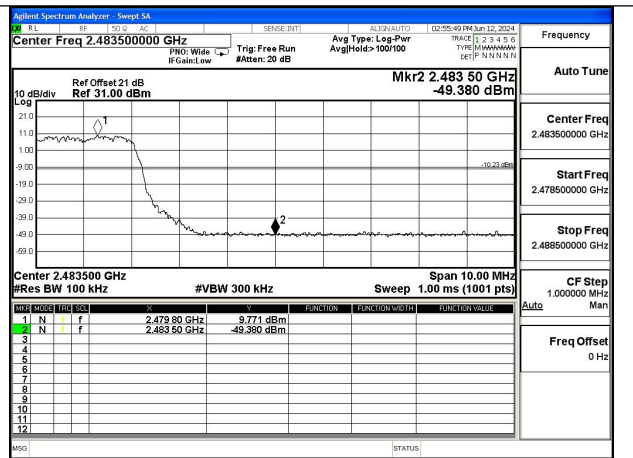
CH0(Hopping off)



CH0(Hopping on)

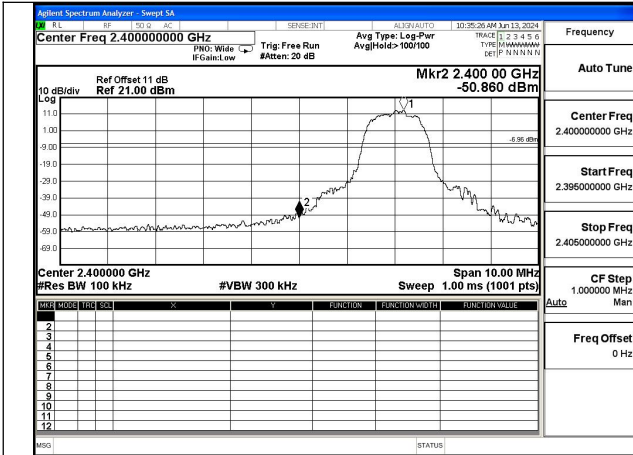


CH78(Hopping off)

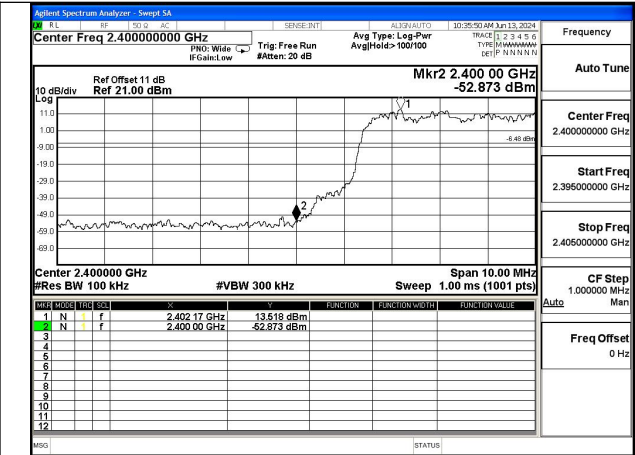


CH78(Hopping on)

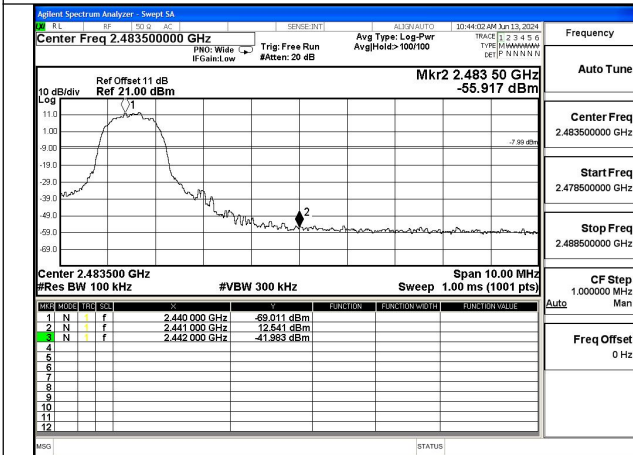
Test Mode: 8DPSK



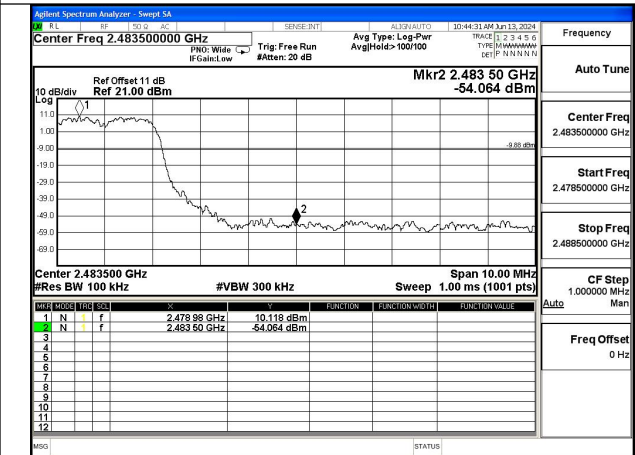
CHO(Hopping off)



CHO(Hopping on)



CH78(Hopping off)



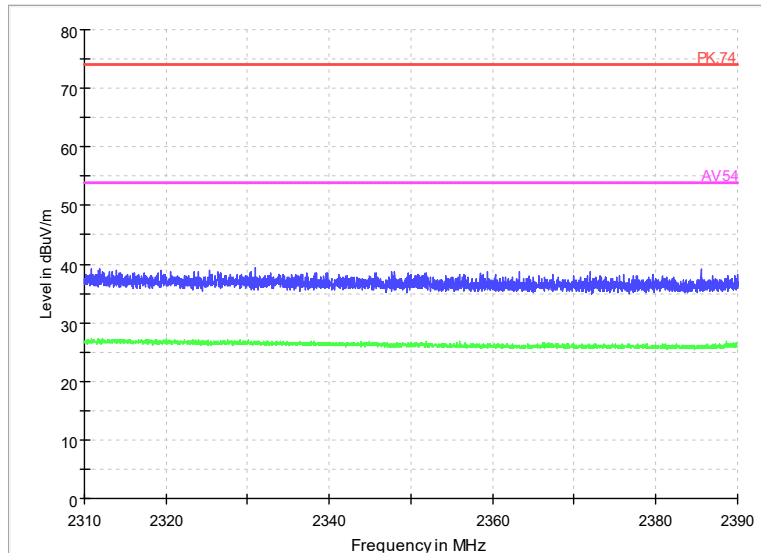
CH78(Hopping on)

## APPENDIX B – TEST DATA OF RADIATED EMISSION

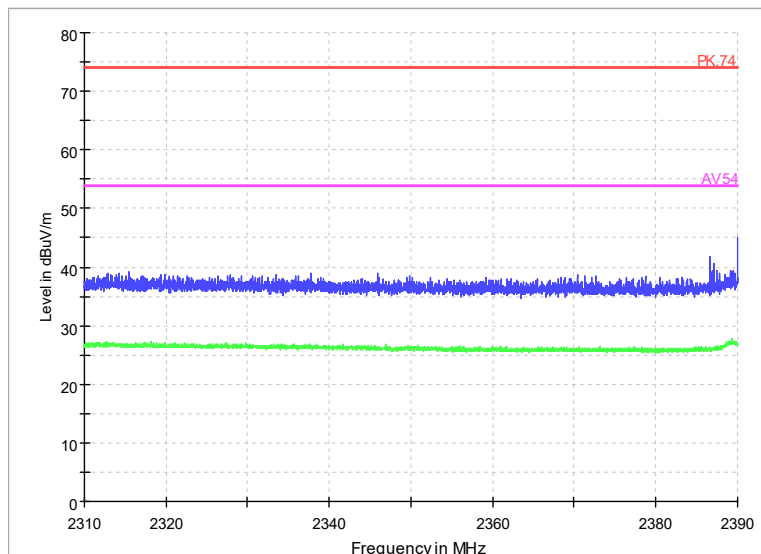
Note: The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

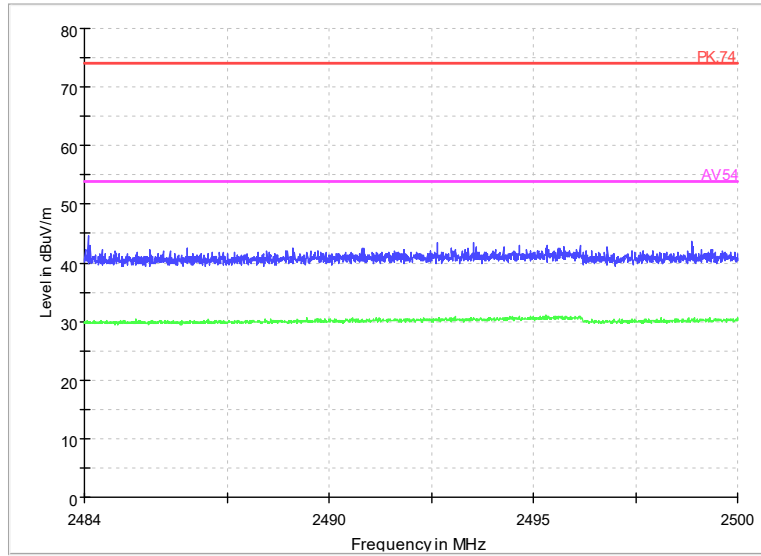
### Radiated Emission Band Edge



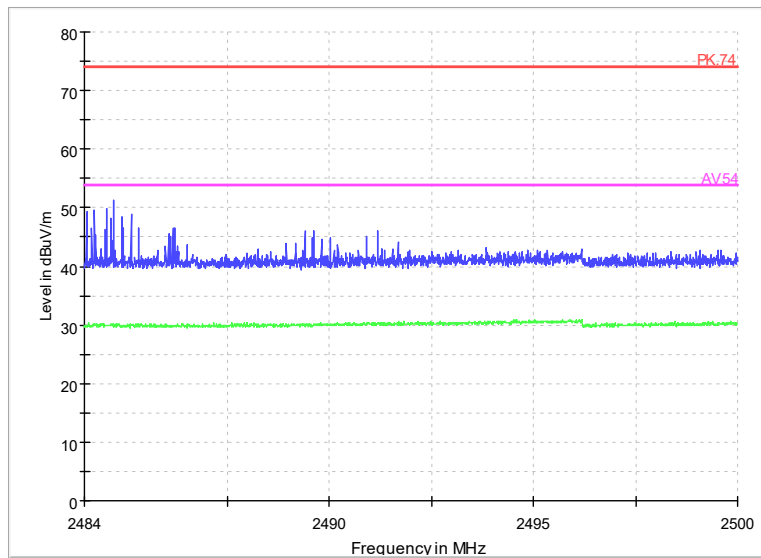
Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode: GFSK  
Polarity: Vertical



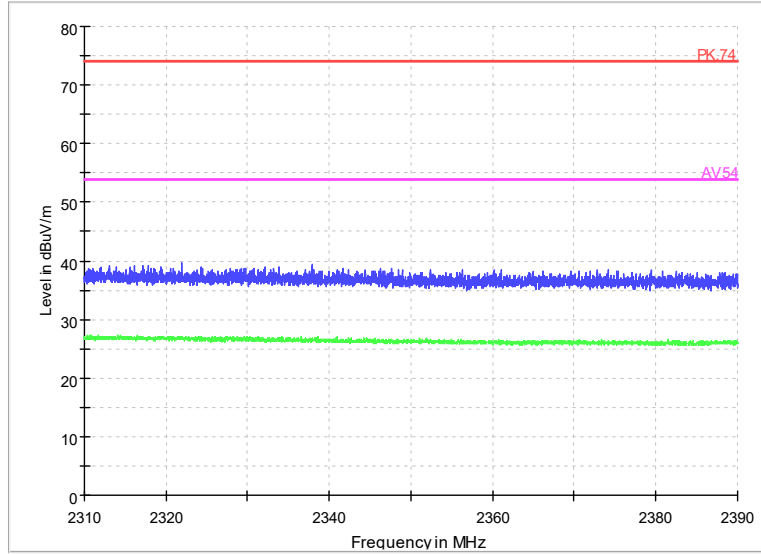
Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode: GFSK  
Polarity: Horizontal



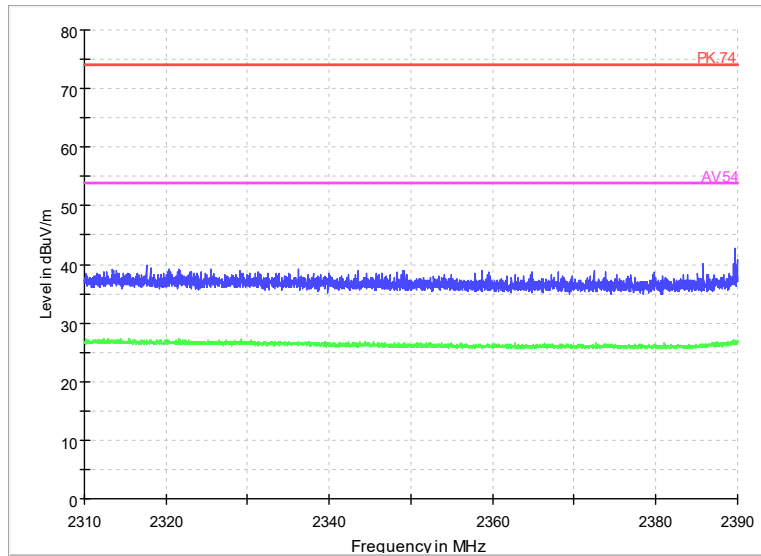
Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode: GFSK  
Polarity: Vertical



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

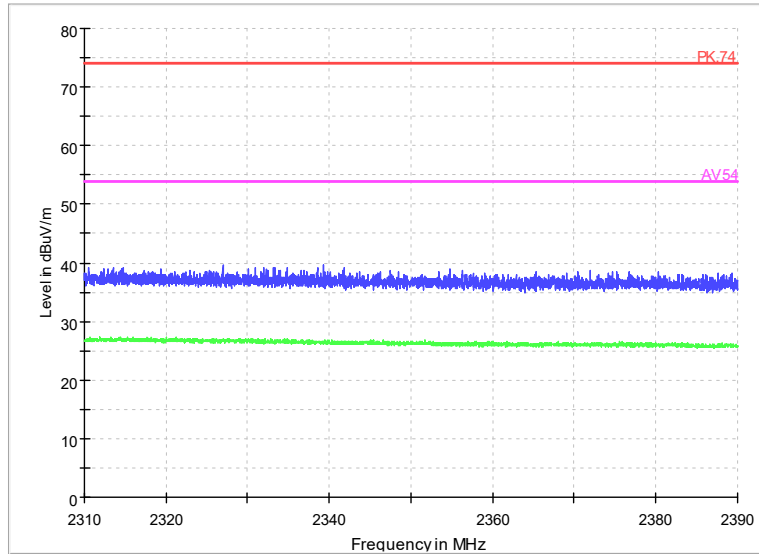


Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode:  $\pi/4$ DQPSK  
Polarity: Vertical

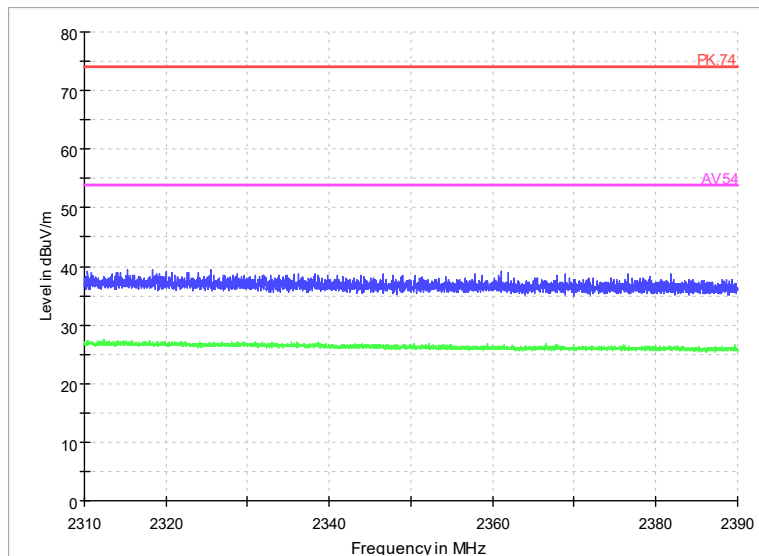


Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode:  $\pi/4$ DQPSK  
Polarity: Horizontal

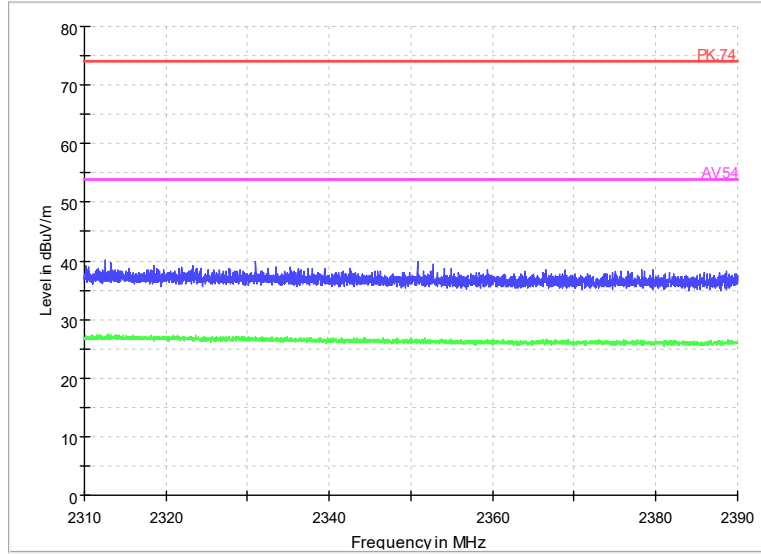




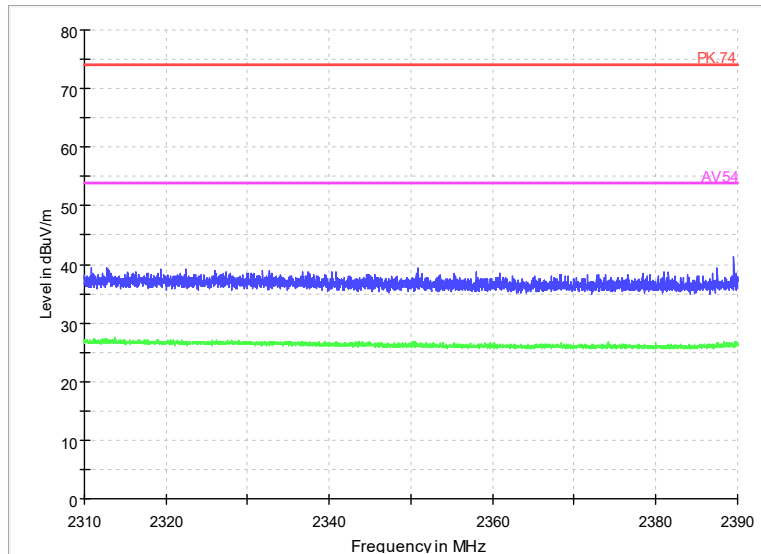
Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode:  $\pi/4$ DQPSK  
Polarity: Vertical



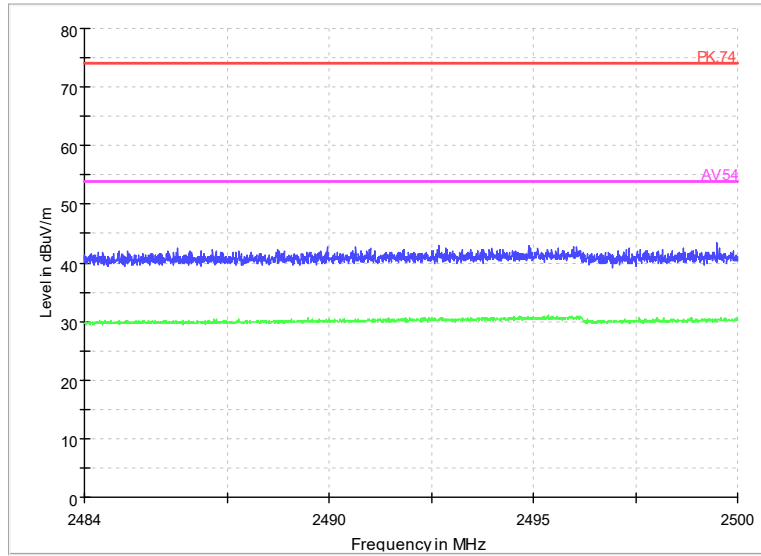
Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode:  $\pi/4$ DQPSK  
Polarity: Horizontal



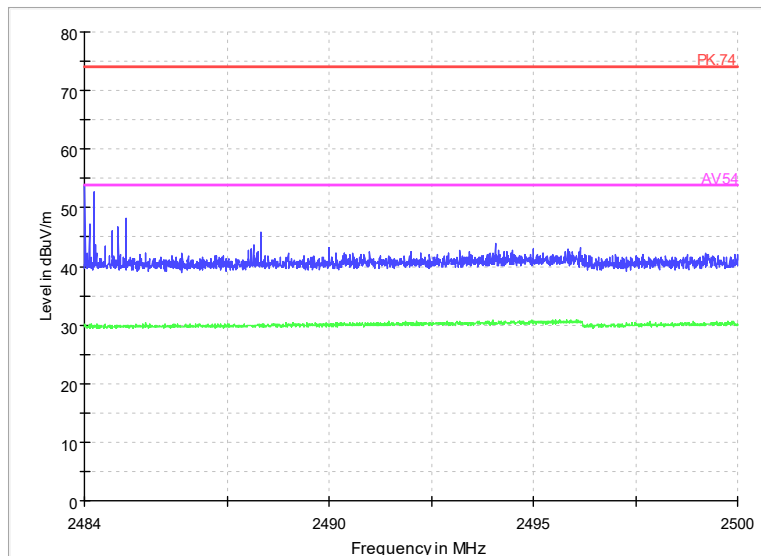
Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode: 8DPSK  
Polarity: Vertical



Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode: 8DPSK  
Polarity: Horizontal



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



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

## Sample Calculations

After comparison, the worst case attitude is EUT lay down.

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:

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

Sample calculation:  $(5.28 \text{ dB}\mu\text{V/m}) = (24.68 \text{ dB}\mu\text{V}) + (-19.4 \text{ dB/m})$ , the corresponding frequency is 45.6655 MHz.

For GFSK  
Channel No.:0

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
38.245	5.28	-19.4	24.68	Vertical	40	34.72
57.0145	5	-19.6	24.6	Vertical	40	35
103.526	4.78	-19.5	24.28	Vertical	43.5	38.72
310.136	6.62	-16.8	23.42	Vertical	46	39.38
539.347	11.09	-11.4	22.49	Vertical	46	34.91
937.2895	16.05	-5.1	21.15	Vertical	46	29.95

For  $\pi/4$ DQPSK  
Channel No.:0

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
44.2105	5.62	-18.9	24.52	Vertical	40	34.38
57.7905	5.45	-19.6	25.05	Vertical	40	34.55
98.2395	5.09	-19.5	24.59	Vertical	43.5	38.41
304.7525	6.4	-17	23.4	Vertical	46	39.6
537.6495	11.08	-11.4	22.48	Vertical	46	34.92
898.829	15.54	-5.6	21.14	Vertical	46	30.46

For 8DPSK  
Channel No.:0

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
51.5825	6	-19.1	25.1	Vertical	40	34
57.451	5.31	-19.6	24.91	Vertical	40	34.69
97.9485	5.07	-19.5	24.57	Vertical	43.5	38.43
303.4915	6.34	-17	23.34	Vertical	46	39.66
543.7605	11.12	-11.3	22.42	Vertical	46	34.88
950.3845	16	-5.1	21.1	Vertical	46	30

For GFSK  
Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
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38.8755	5.66	-19.3	24.96	Vertical	40	34.34
59.0515	4.83	-19.8	24.63	Vertical	40	35.17
97.997	5	-19.5	24.5	Vertical	43.5	38.5
214.1545	3.95	-19.5	23.45	Vertical	43.5	39.55
552.927	10.87	-11.1	21.97	Vertical	46	35.13
918.0835	15.8	-5.3	21.1	Vertical	46	30.2

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

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
45.0835	6.07	-18.9	24.97	Vertical	40	33.93
58.5665	5.26	-19.7	24.96	Vertical	40	34.74
118.0275	4.09	-20.3	24.39	Vertical	43.5	39.41
307.808	6.36	-16.9	23.26	Vertical	46	39.64
543.324	11.07	-11.3	22.37	Vertical	46	34.93
948.881	15.99	-5.1	21.09	Vertical	46	30.01

For 8DPSK  
Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
39.3605	5.84	-19.2	25.04	Vertical	40	34.16
58.6635	5.15	-19.7	24.85	Vertical	40	34.85
111.383	4.66	-19.8	24.46	Vertical	43.5	38.84
211.487	3.82	-19.6	23.42	Vertical	43.5	39.68
551.3265	10.91	-11.1	22.01	Vertical	46	35.09
947.1835	15.95	-5.1	21.05	Vertical	46	30.05

Channel No.:78

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
43.774	5.07	-19	24.07	Vertical	40	34.93
57.4025	5.2	-19.6	24.8	Vertical	40	34.8
104.593	5.11	-19.6	24.71	Vertical	43.5	38.39
211.5355	3.92	-19.6	23.52	Vertical	43.5	39.58
522.0325	10.61	-11.8	22.41	Vertical	46	35.39
953.537	16.07	-5	21.07	Vertical	46	29.93

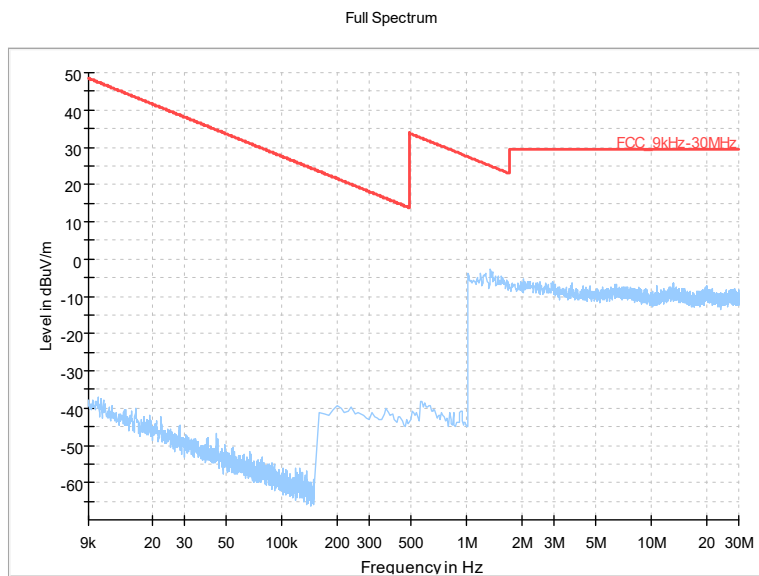
For  $\pi/4$ DQPSK  
Channel No.:78

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
52.504	5.64	-19.1	24.74	Vertical	40	34.36
57.6935	5.35	-19.6	24.95	Vertical	40	34.65
97.8515	5.1	-19.6	24.7	Vertical	43.5	38.4
206.831	3.89	-19.7	23.59	Vertical	43.5	39.61
485.318	9.75	-12.5	22.25	Vertical	46	36.25
926.862	16.03	-5.2	21.23	Vertical	46	29.97

For 8DPSK

Channel No.:78

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
38.73	5.62	-19.4	25.02	Vertical	40	34.38
57.4995	5.31	-19.6	24.91	Vertical	40	34.69
103.235	4.48	-19.5	23.98	Vertical	43.5	39.02
303.6855	6.41	-17	23.41	Vertical	46	39.59
523.2935	10.8	-11.8	22.6	Vertical	46	35.2
946.5045	16.02	-5.1	21.12	Vertical	46	29.98



Frequency Range: 9kHz -30MHz

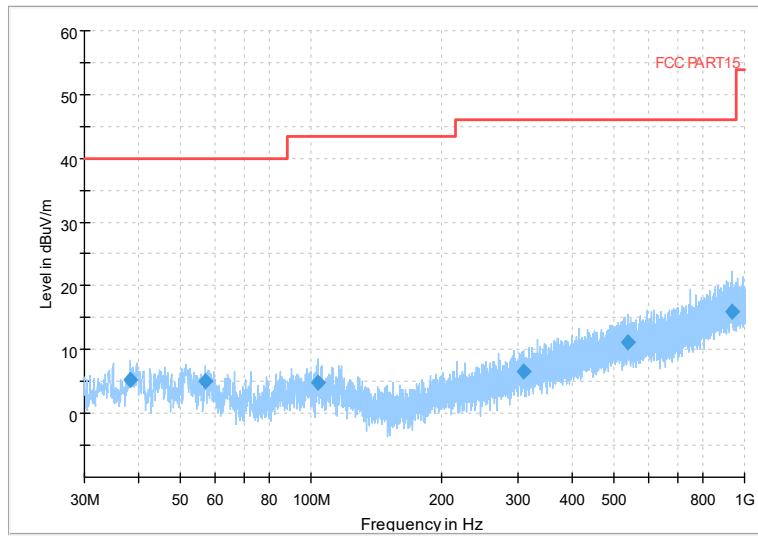
Detector: QP mode

Note: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.

Carrier frequency (MHz): 2402

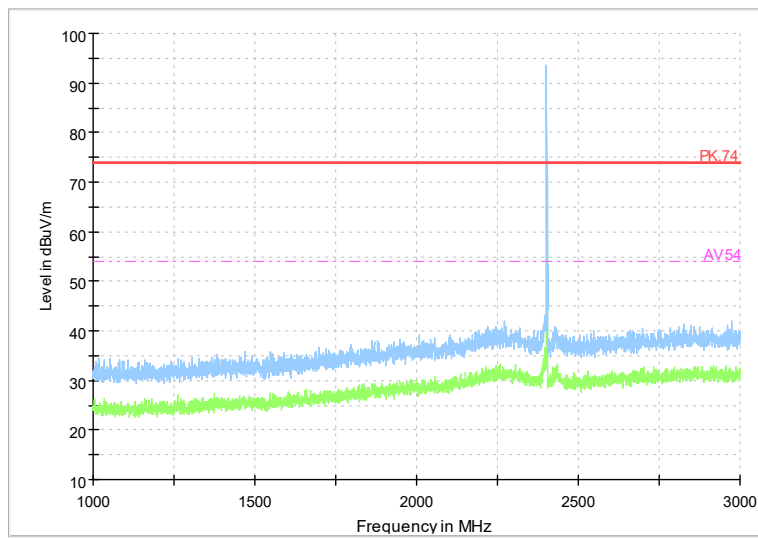
Channel No.:0

Full Spectrum



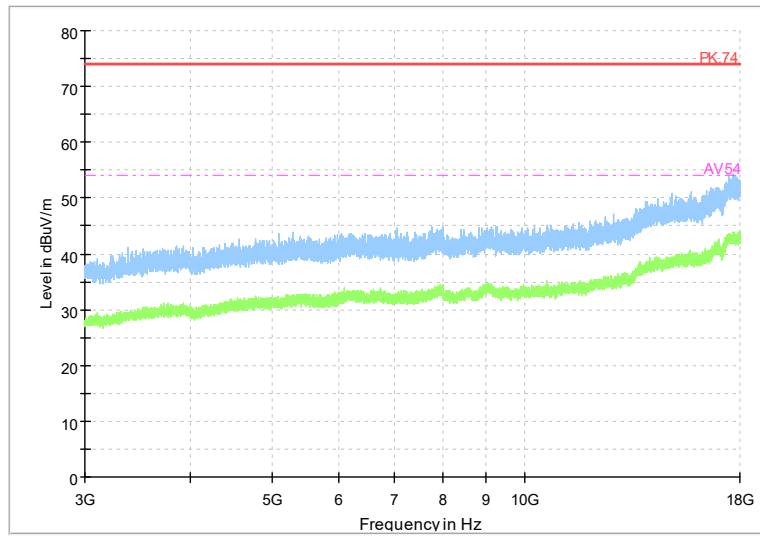
Frequency Range:30MHz-1GHz  
Detector: QP mode  
Modulation type: GFSK

Full Spectrum



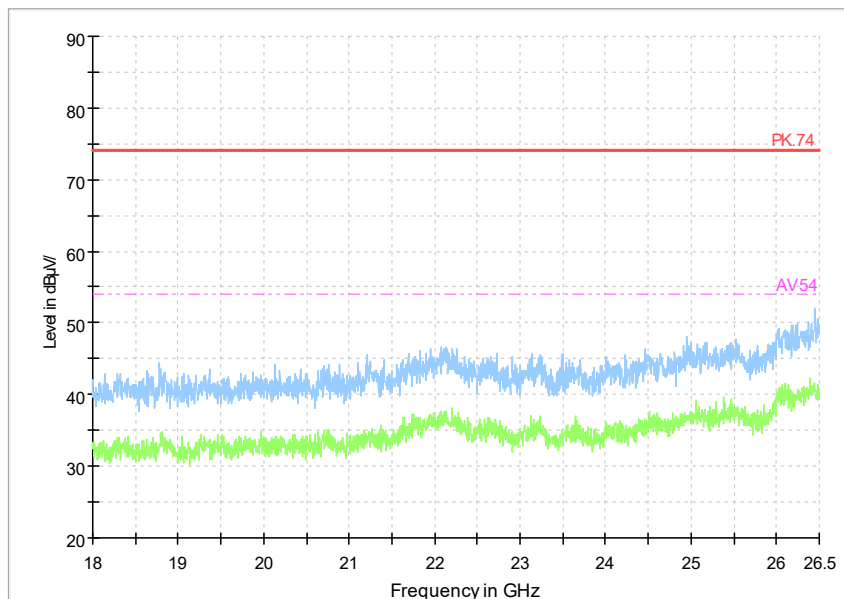
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



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

Full Spectrum

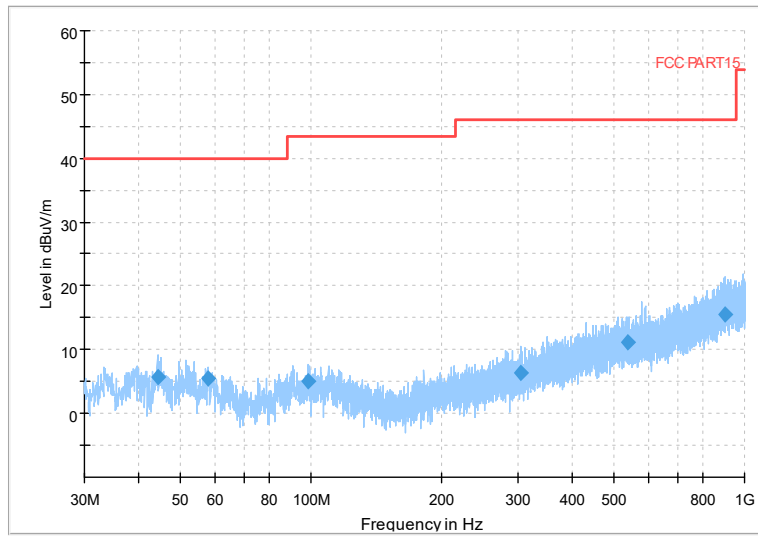


Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Carrier frequency (MHz): 2440  
Channel No.:39

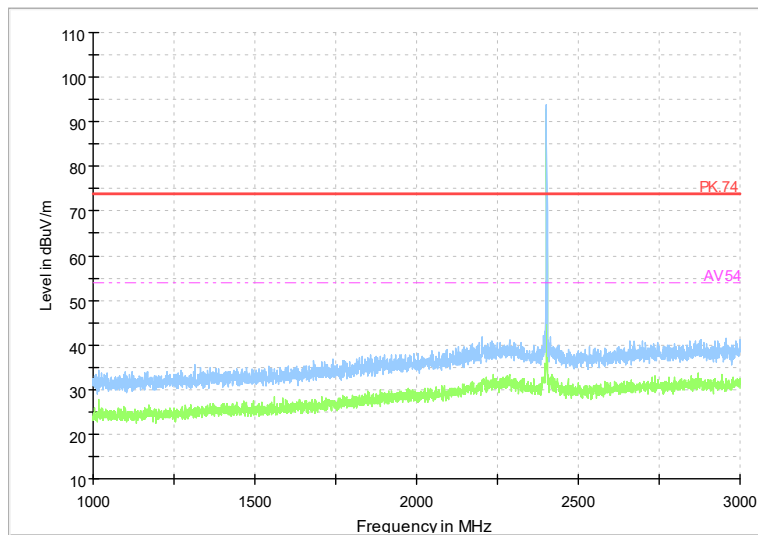


Full Spectrum



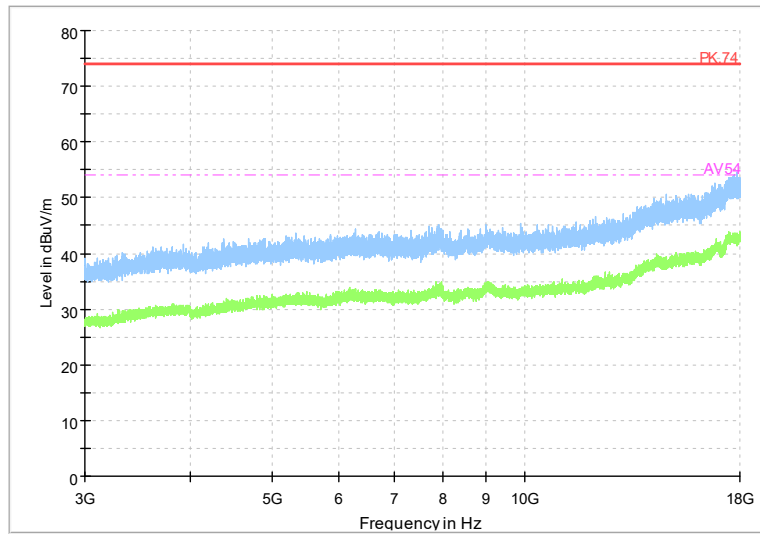
Frequency Range:30MHz-1GHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



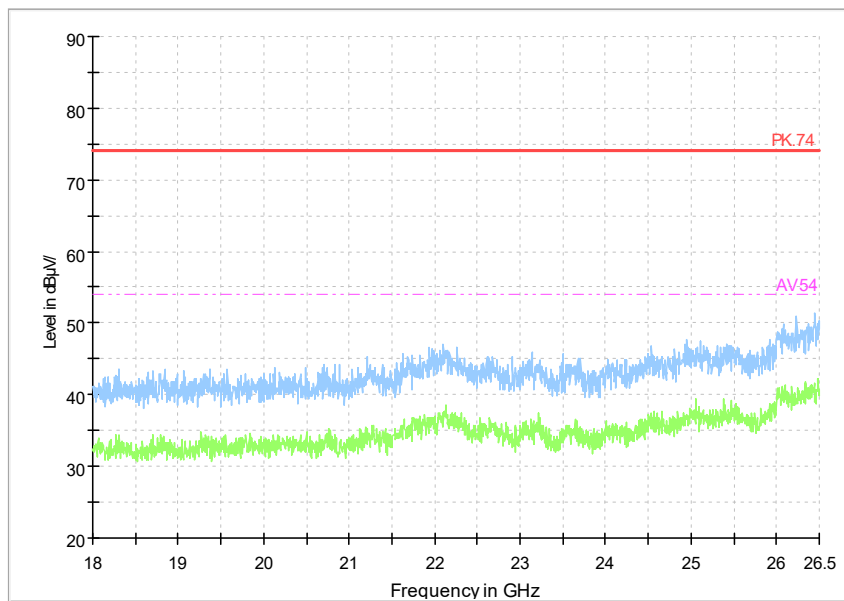
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

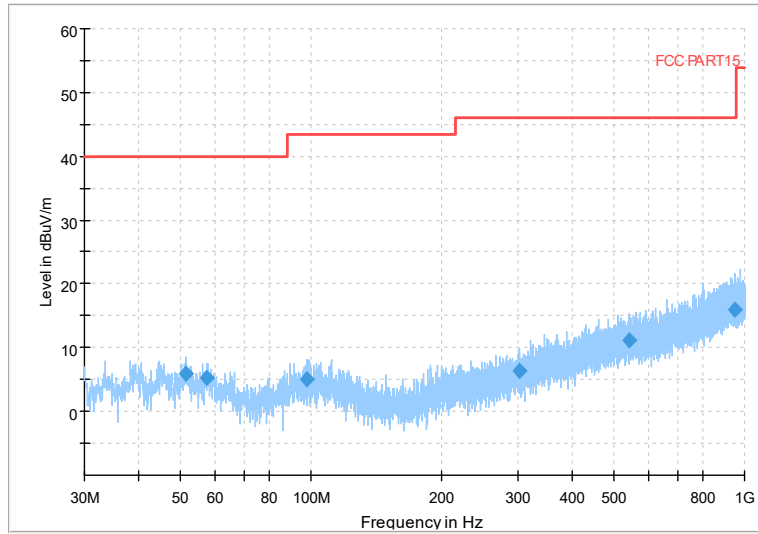
Full Spectrum



Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

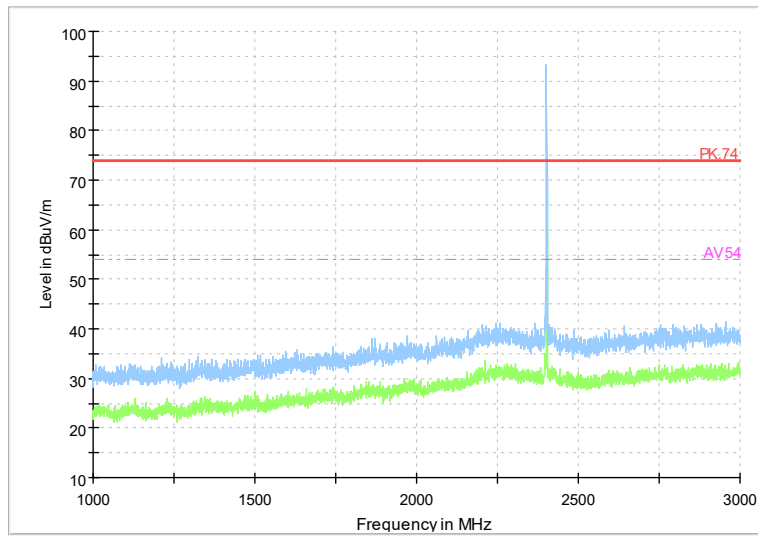
Carrier frequency (MHz): 2480  
Channel No.:78

Full Spectrum



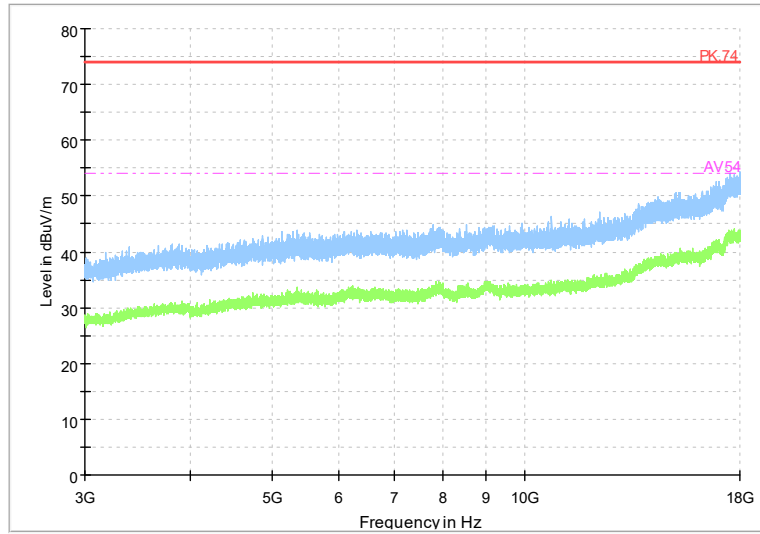
Frequency Range:30MHz-1GHz  
Detector: QP mode  
Modulation type: 8DPSK

Full Spectrum



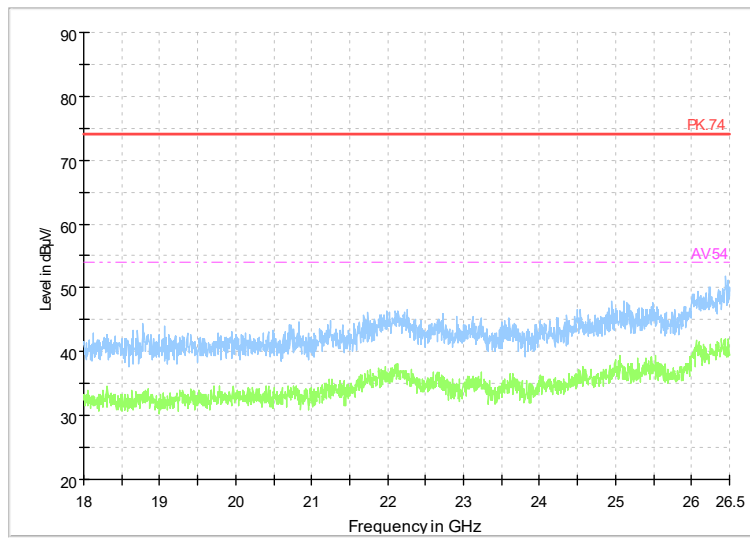
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum

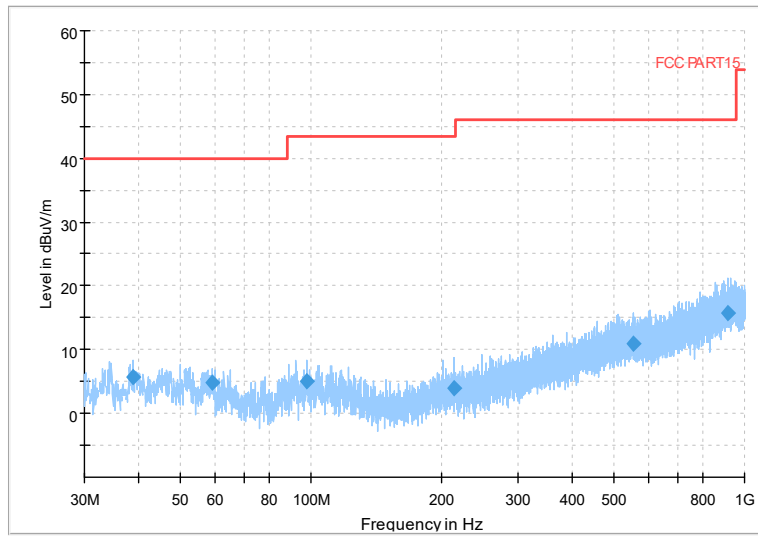


Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Carrier frequency (MHz): 2440  
Channel No.:39

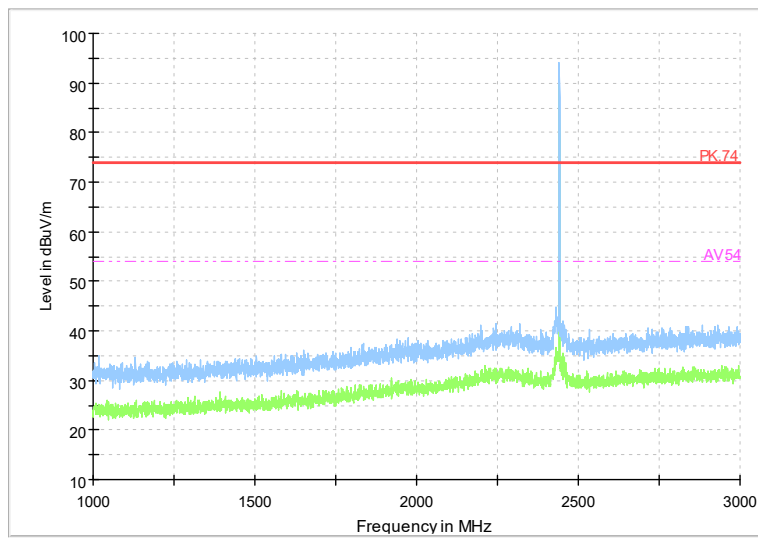
Carrier frequency (MHz): 2402  
Channel No.:0

Full Spectrum



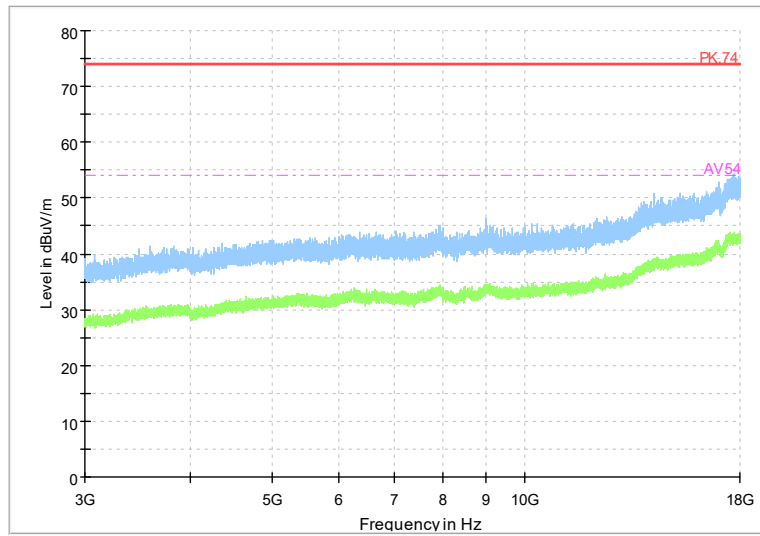
Frequency Range: 30MHz-1GHz  
Detector: QP mode  
Modulation type: GFSK

Full Spectrum



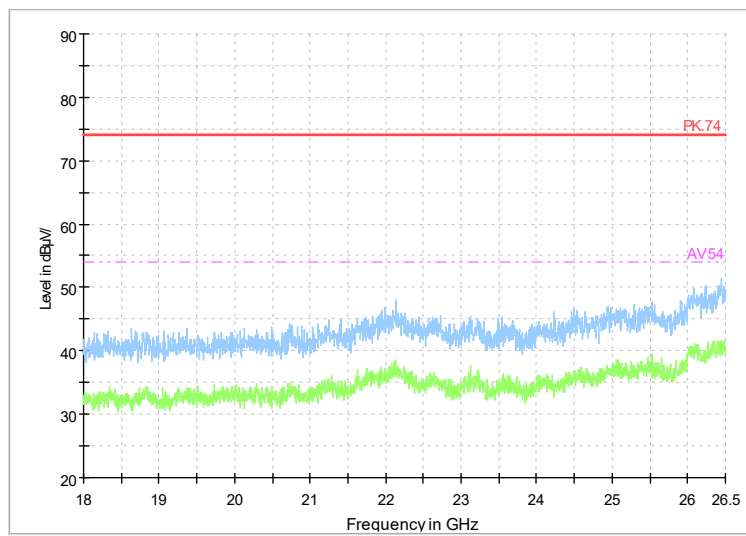
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



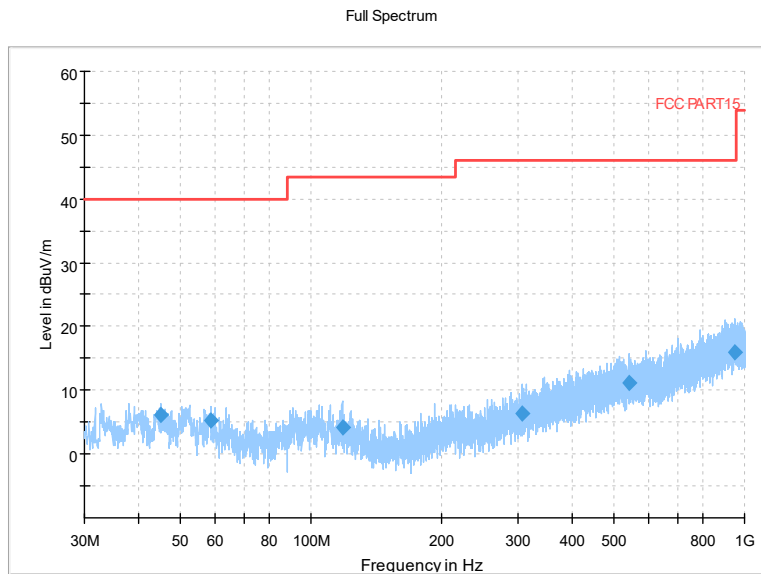
Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum

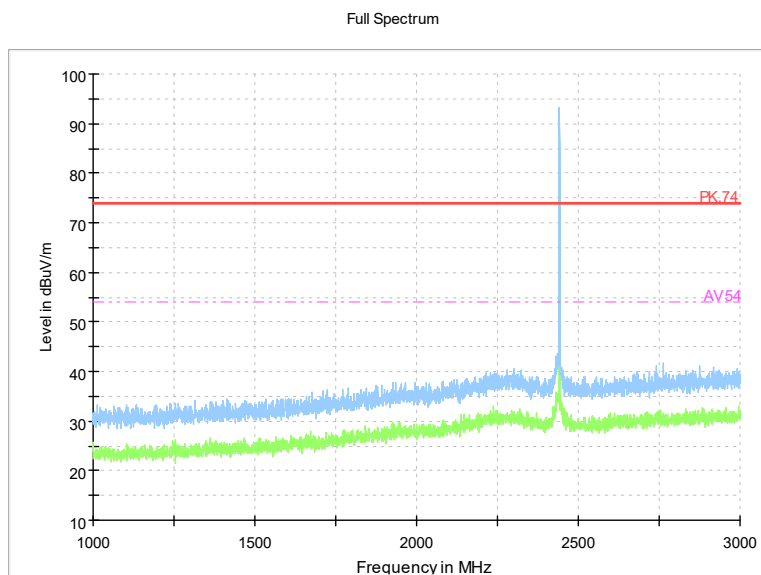


Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Carrier frequency (MHz): 2440  
Channel No.:39

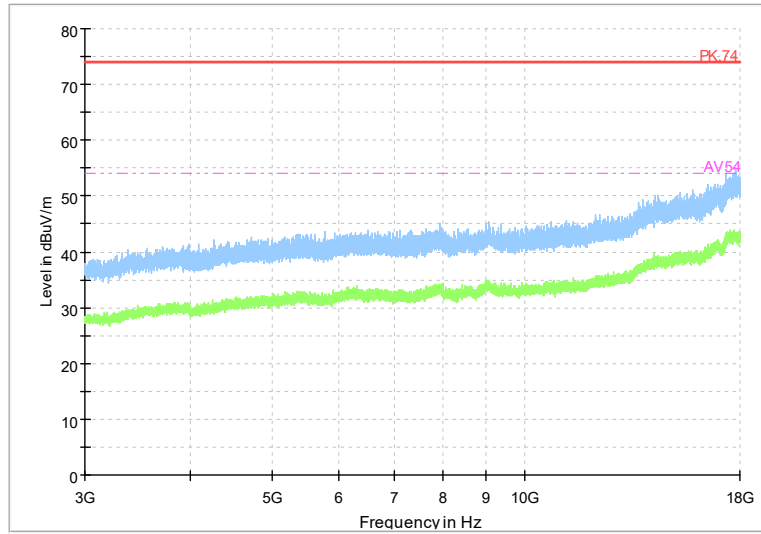


Frequency Range: 30MHz-1GHz  
Detector:QP mode  
Modulation type:  $\pi/4$ DQPSK



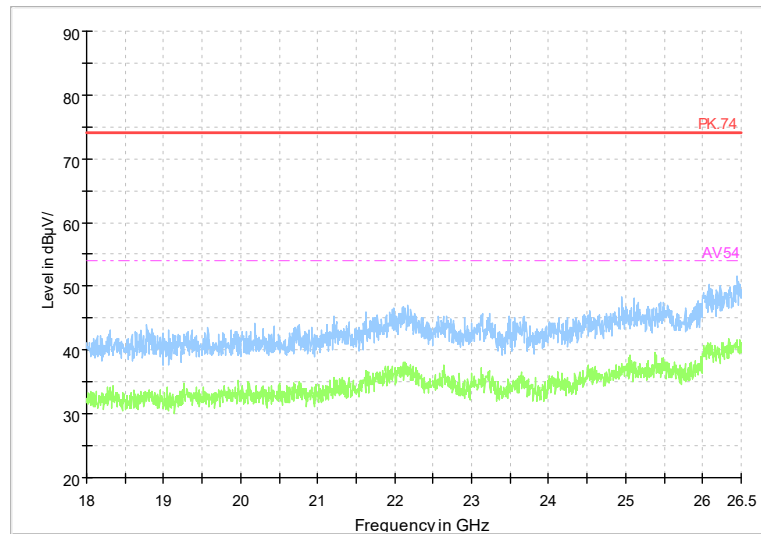
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum

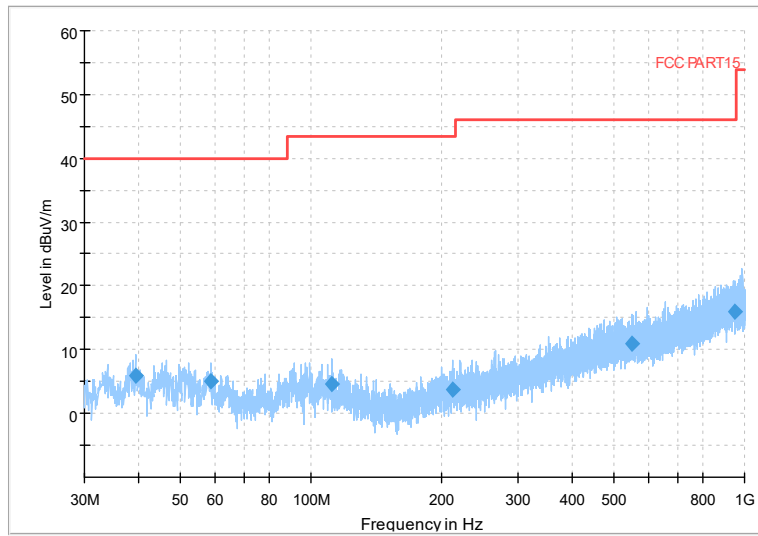


Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

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

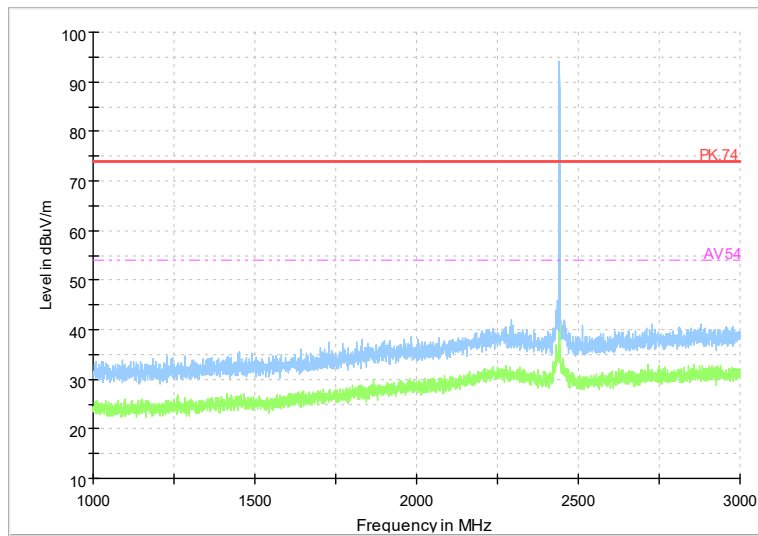


Full Spectrum



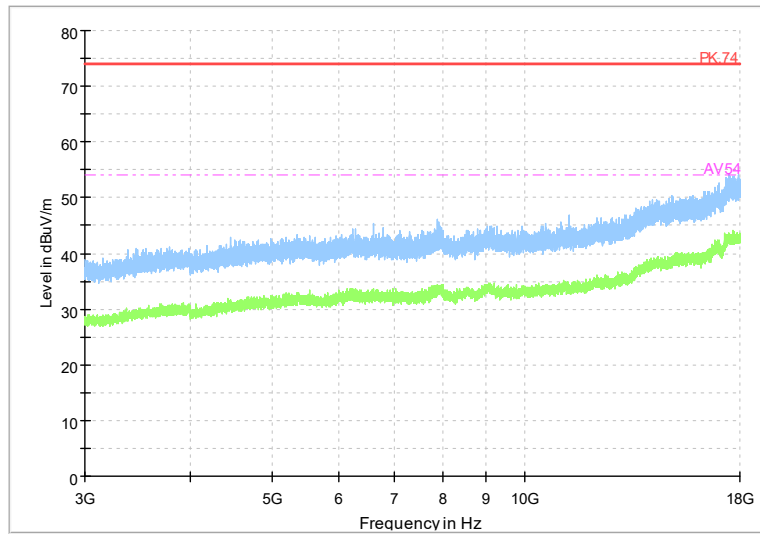
Frequency Range: 30MHz-1GHz  
Detector: QP mode  
Modulation type: 8DPSK

Full Spectrum



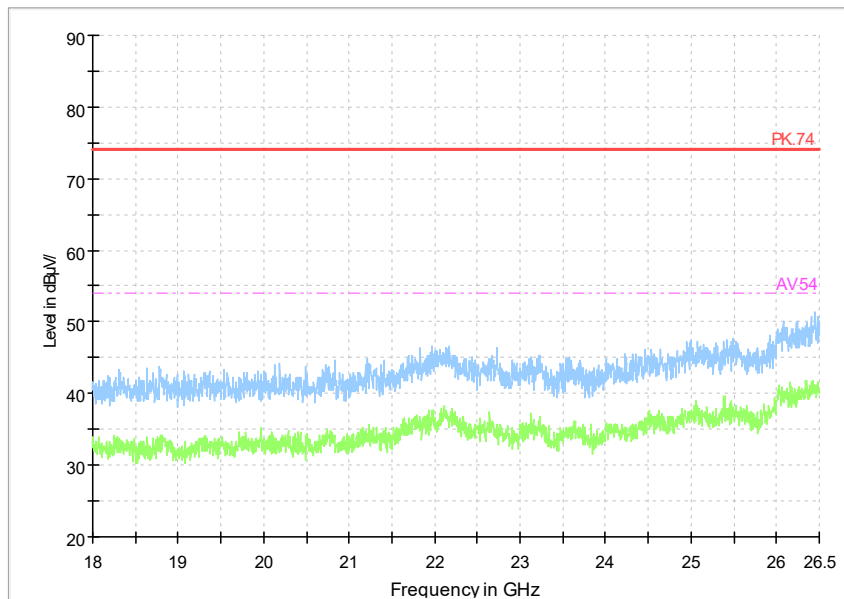
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

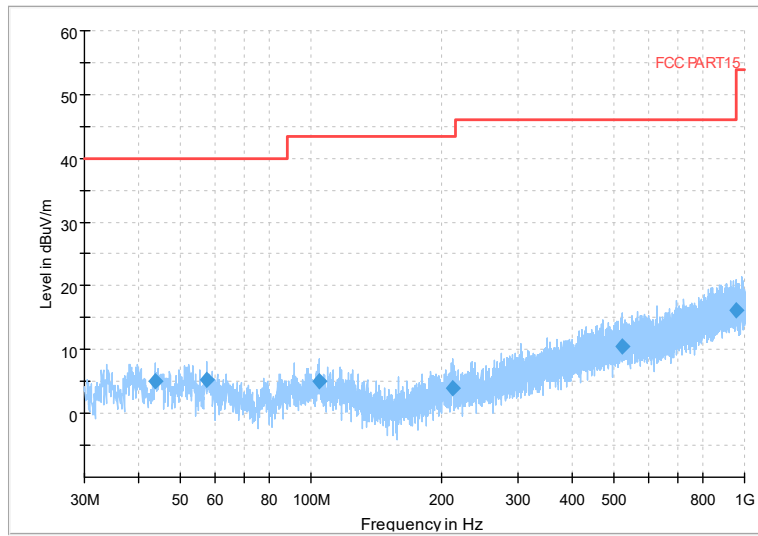
Full Spectrum



Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

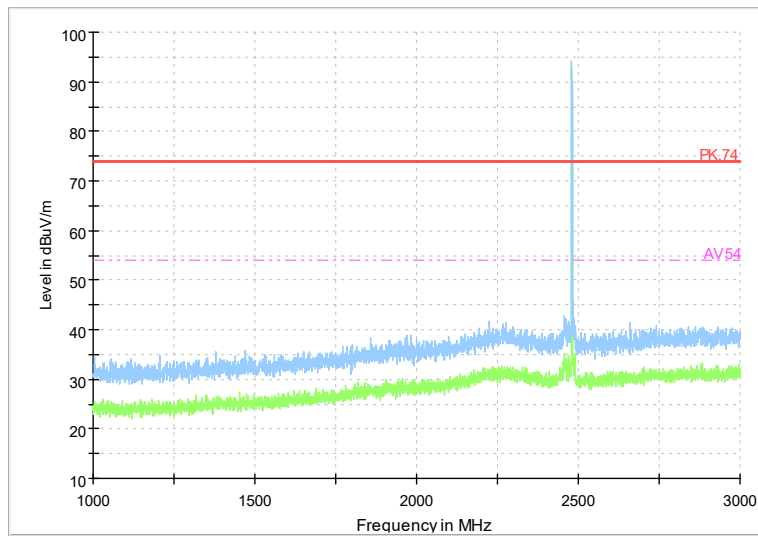
Carrier frequency (MHz): 2480  
Channel No.:78

Full Spectrum



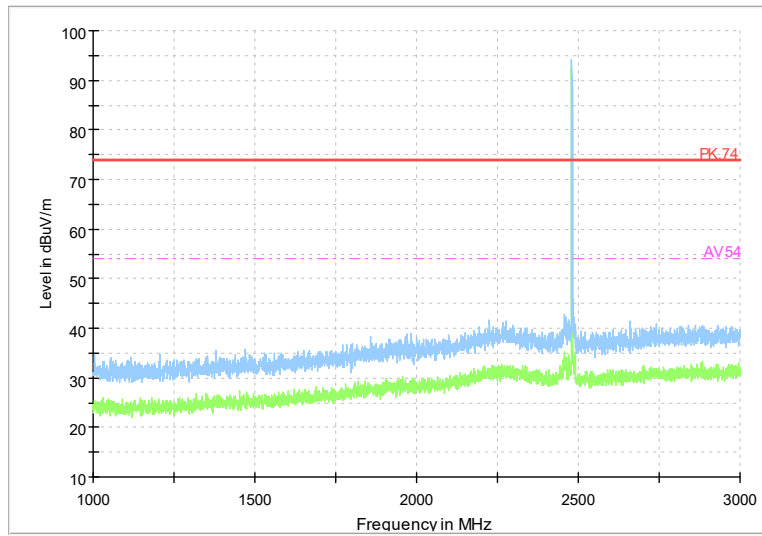
Frequency Range:30MHz-1GHz  
Detector: QP mode  
Modulation type: GFSK

Full Spectrum



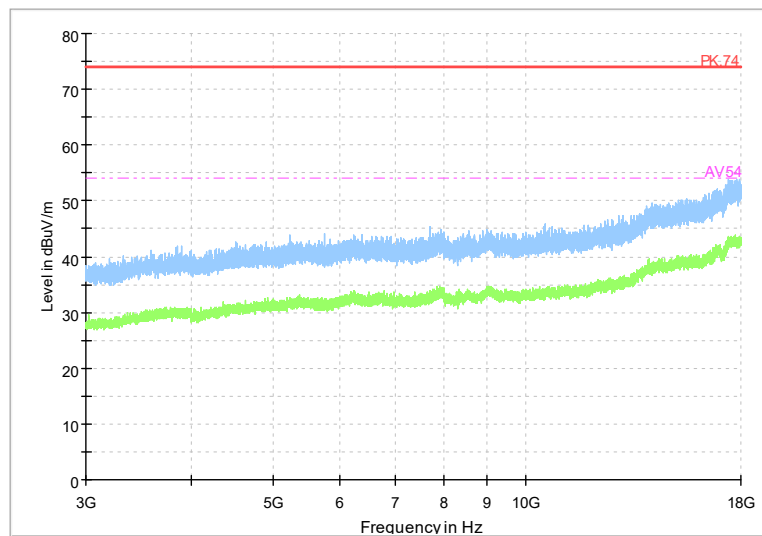
Frequency Range:30MHz-1GHz  
Detector: QP mode  
Modulation type: GFSK

Full Spectrum



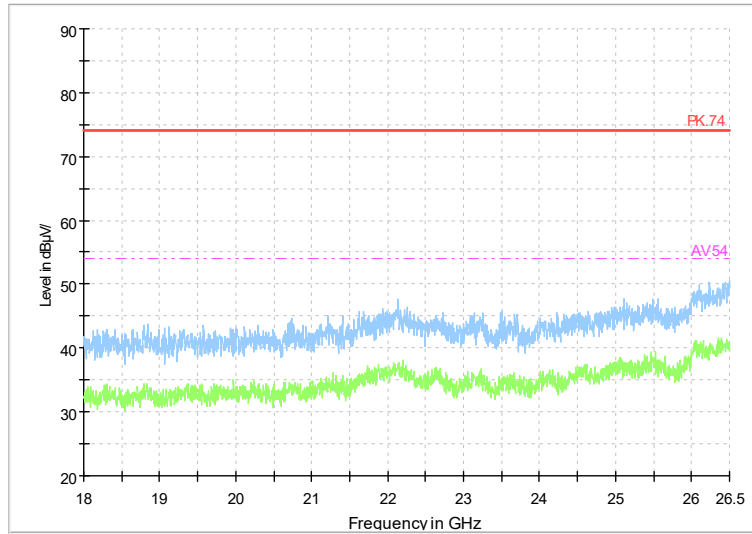
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



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

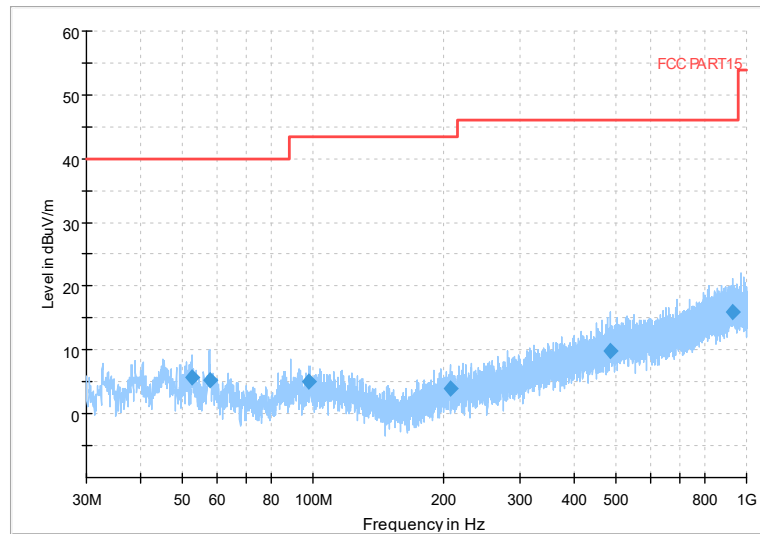
Full Spectrum



Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Carrier frequency (MHz): 2440  
Channel No.:39

Full Spectrum



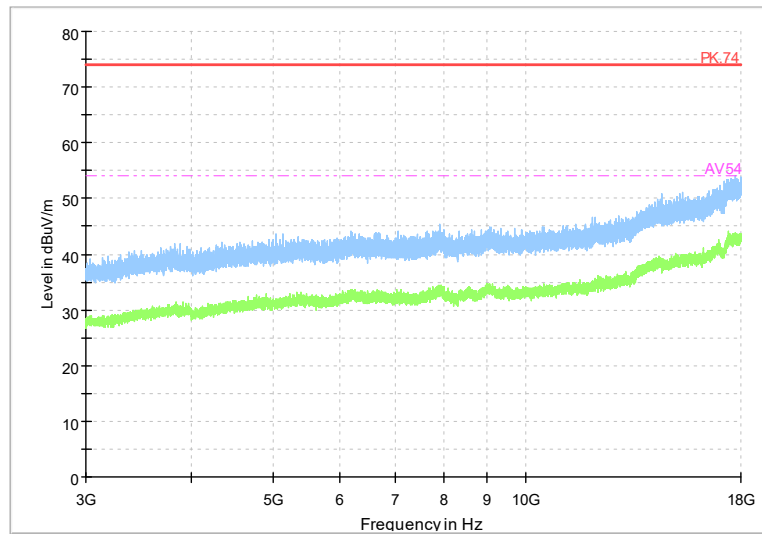
Frequency Range: 30MHz-1GHz  
Detector: QP mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



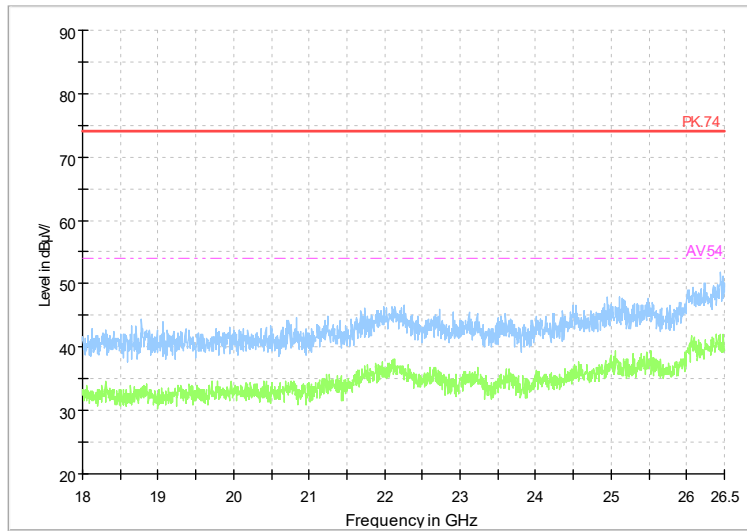
Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum



Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

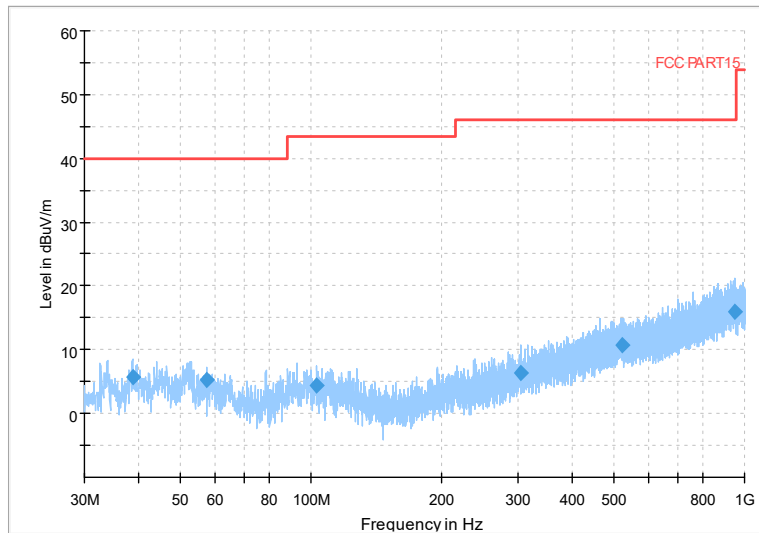
Full Spectrum



Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

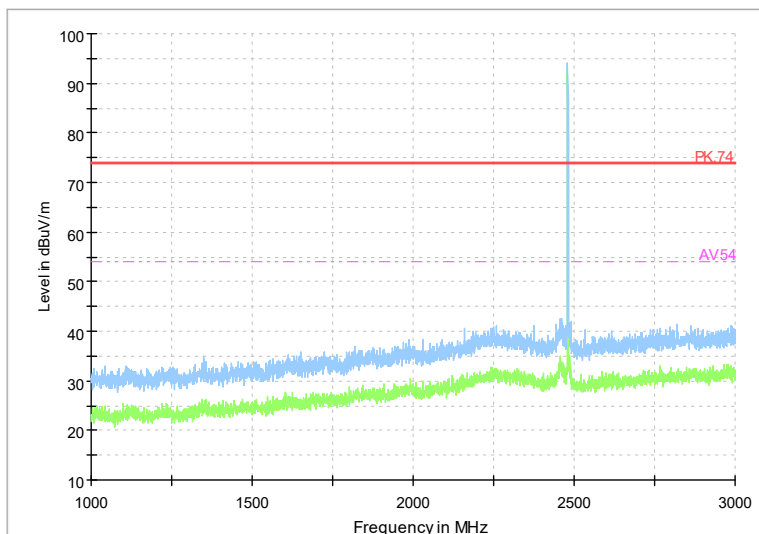
Carrier frequency (MHz): 2480  
Channel No.:78

Full Spectrum



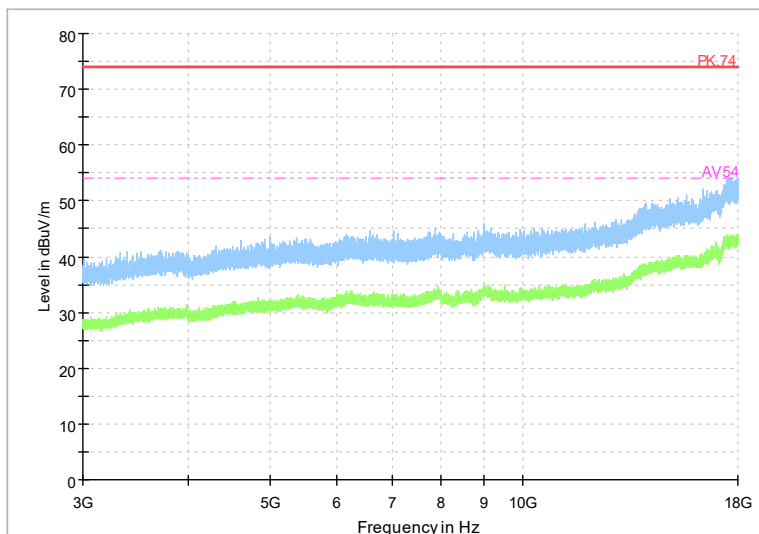
Frequency Range: 30MHz-1GHz  
Detector: QP mode  
Modulation type: 8DPSK

Full Spectrum



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

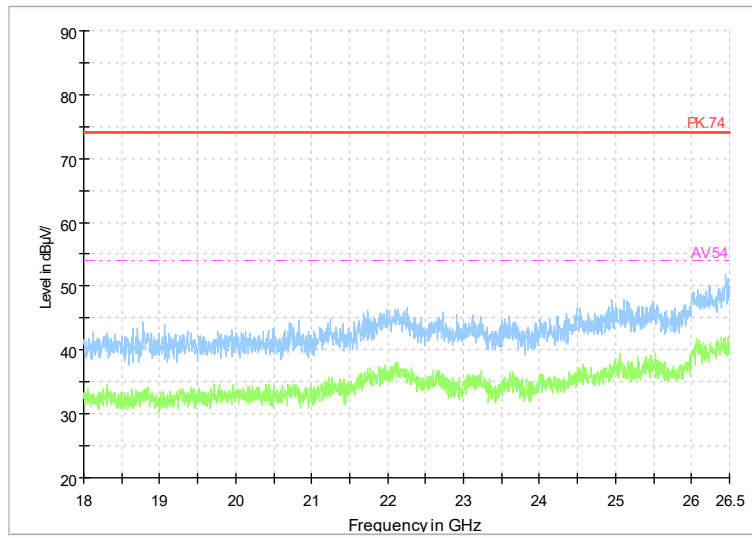
Full Spectrum



Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK



Full Spectrum



Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

---End of Test Report---