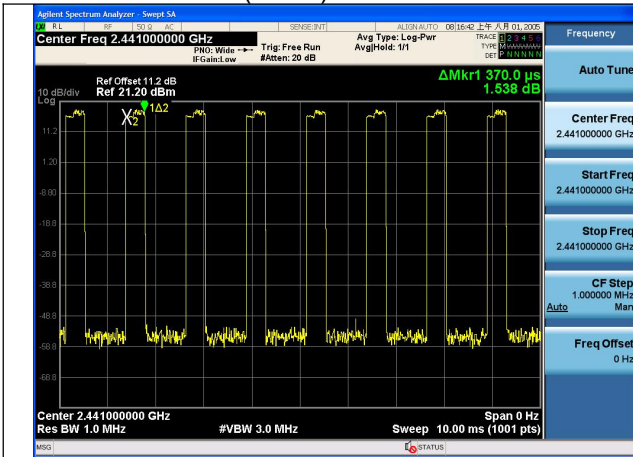
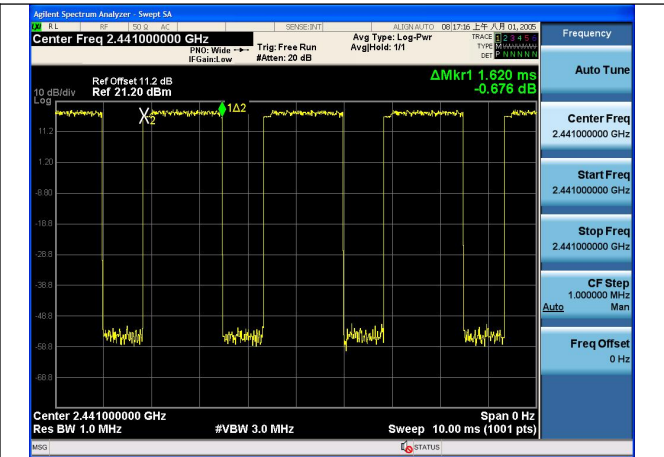


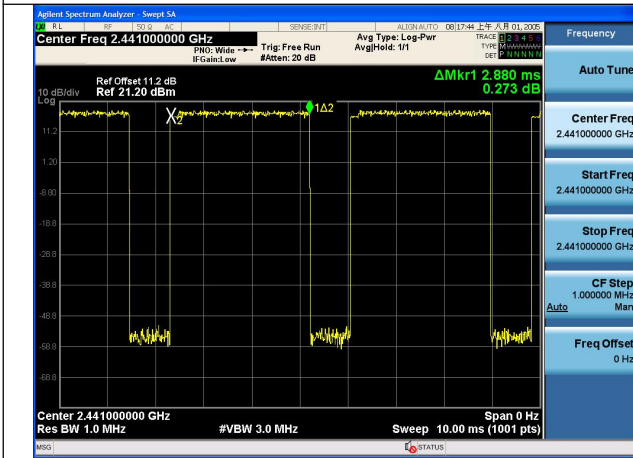
Test Mode: 8DPSK(3DH5)



Test Mode:8DPSK(3DH1) 2441MHz



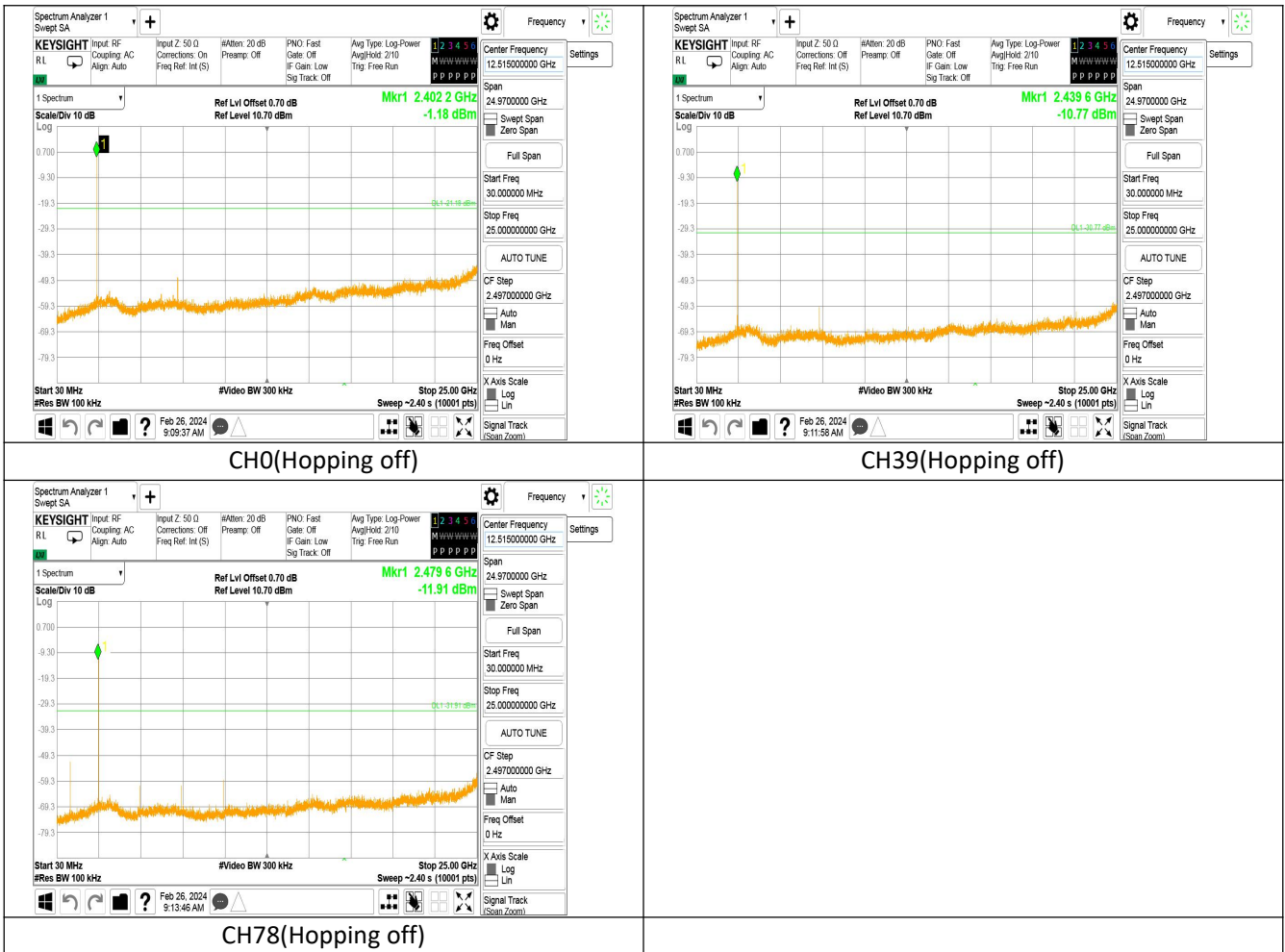
Test Mode:8DPSK(3DH3) 2441MHz



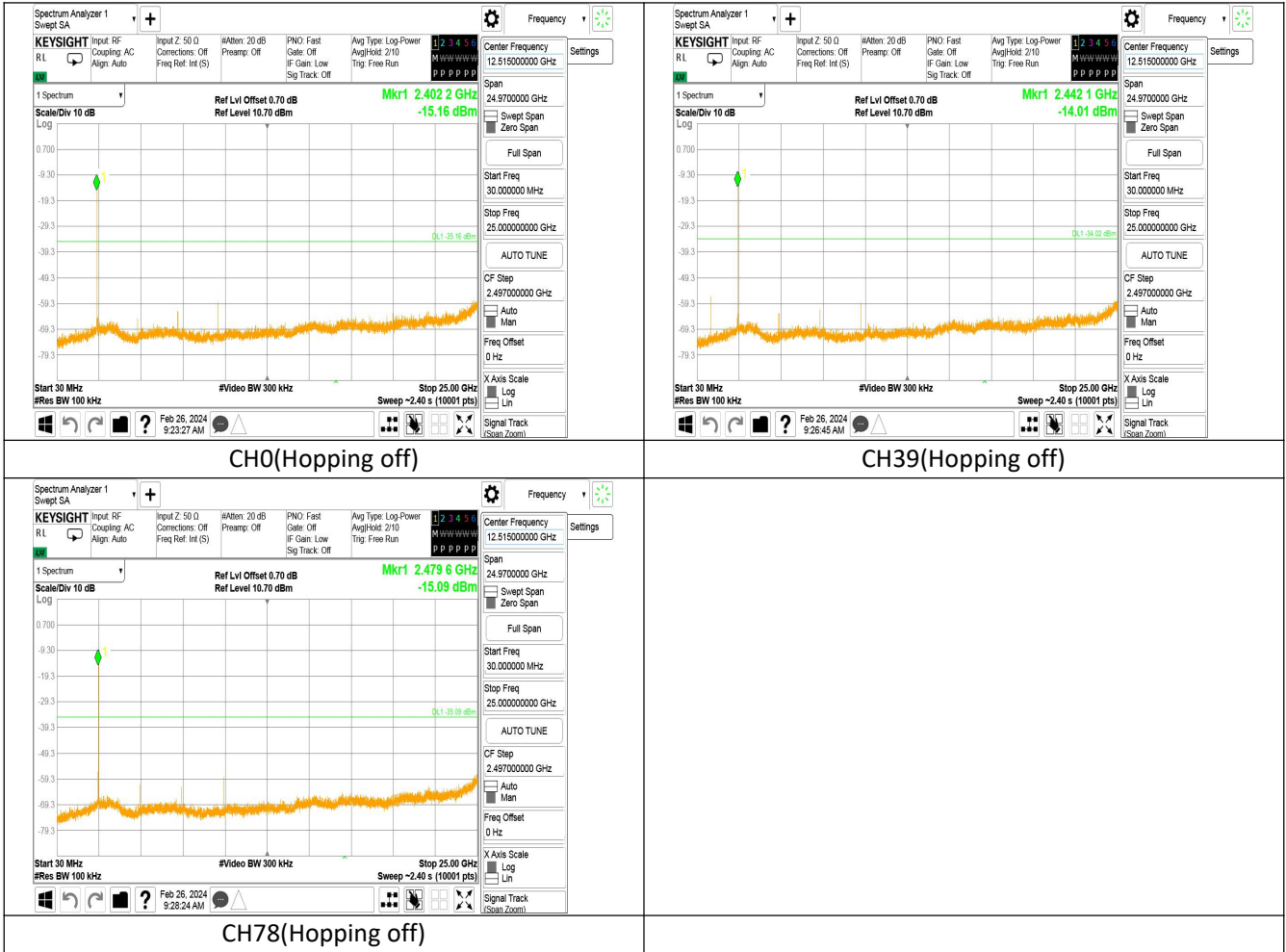
Test Mode:8DPSK(3DH5) 2441MHz

**6 Conducted Out of band emission measurement**

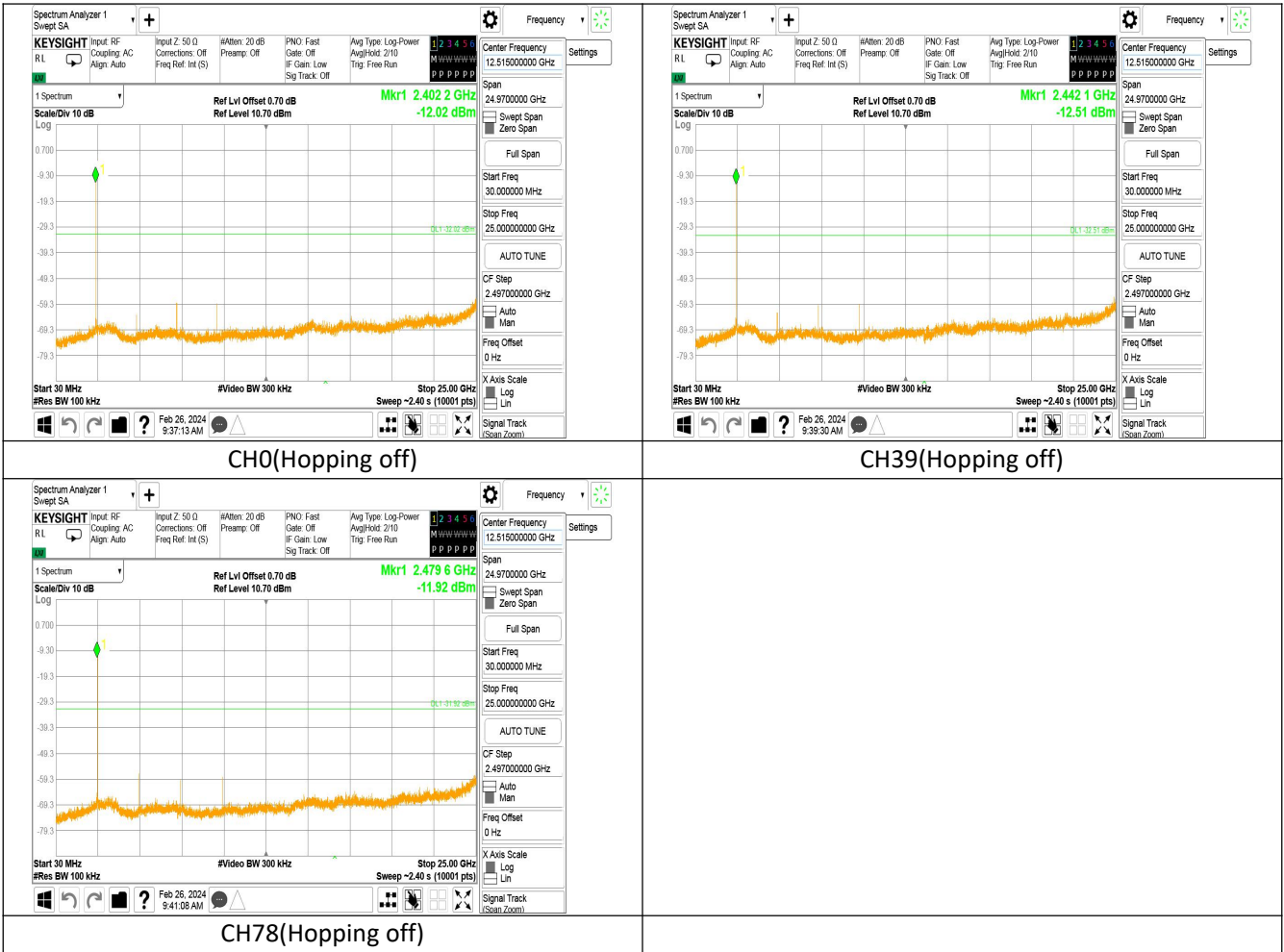
Test Mode: GFSK



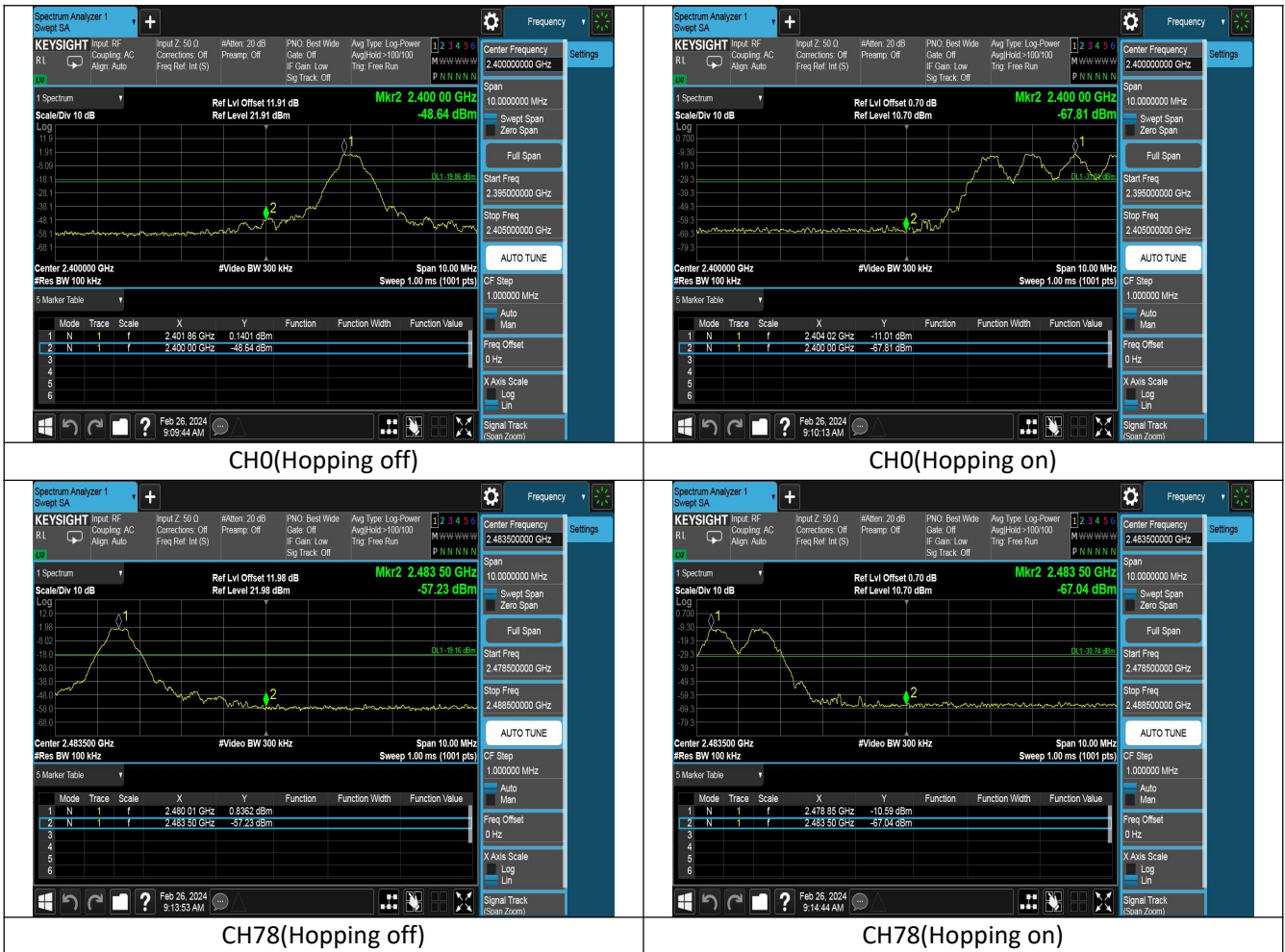
Test Mode: JT /4DQPSK



Test Mode: 8DPSK



**7 Band Edge measurement**  
Test Mode: GFSK



Test Mode:  $\pi$  /4DQPSK



CH0(Hopping off)



CH0(Hopping on)



CH78(Hopping off)



CH78(Hopping on)

Test Mode: 8DPSK

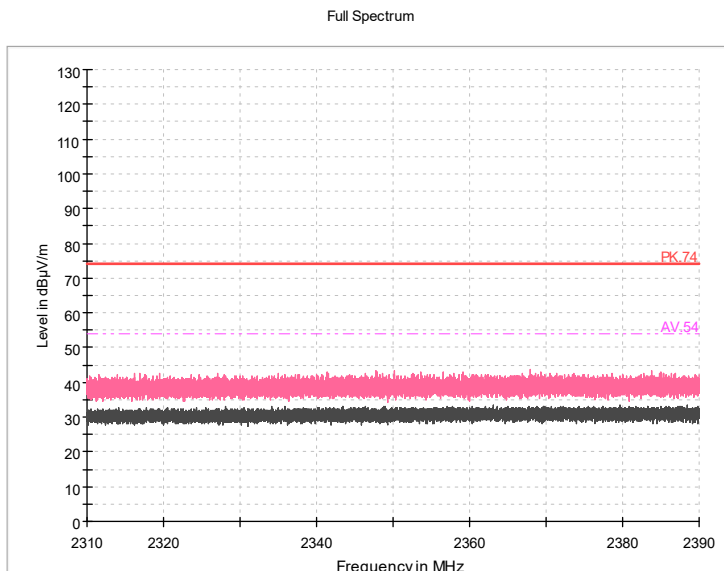


## APPENDIX B – TEST DATA OF RADIATED EMISSION

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

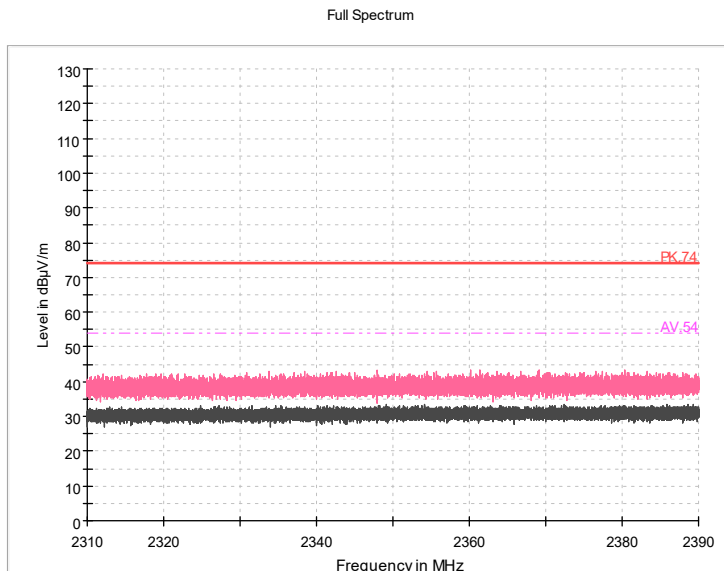


Carrier frequency (MHz): 2402

Channel No.:0

Test Mode: GFSK

Polarity: Vertical



Carrier frequency (MHz): 2402

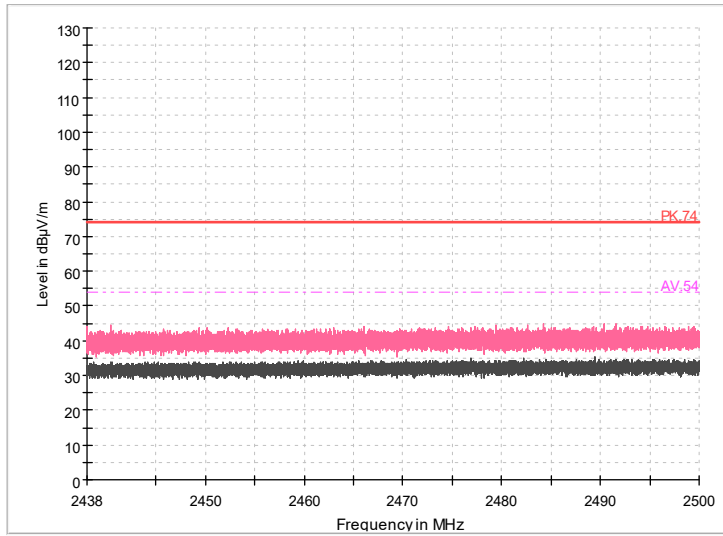
Channel No.:0

Test Mode: GFSK

Polarity: Horizontal

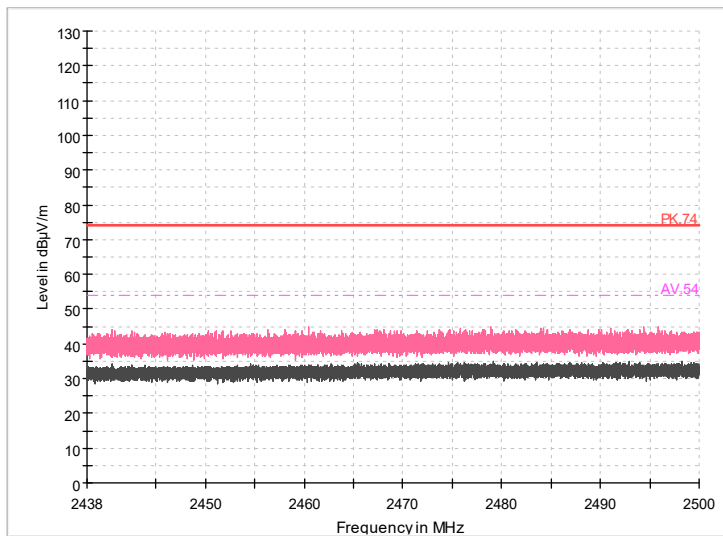


Full Spectrum



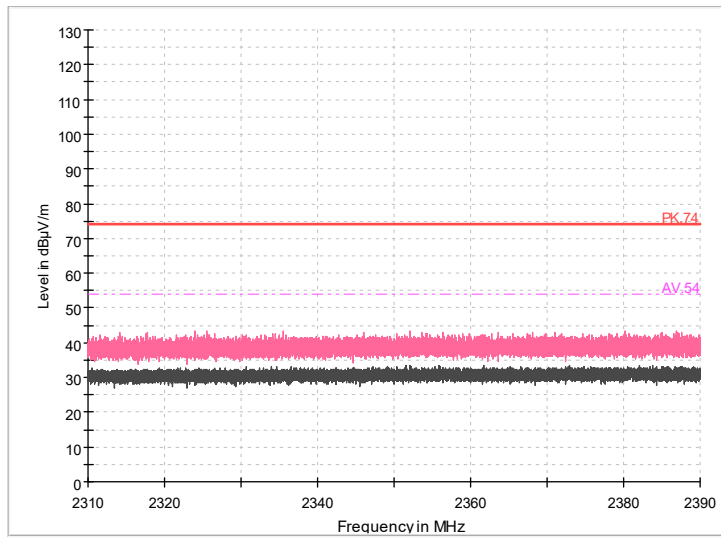
Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode: GFSK  
Polarity: Vertical

Full Spectrum



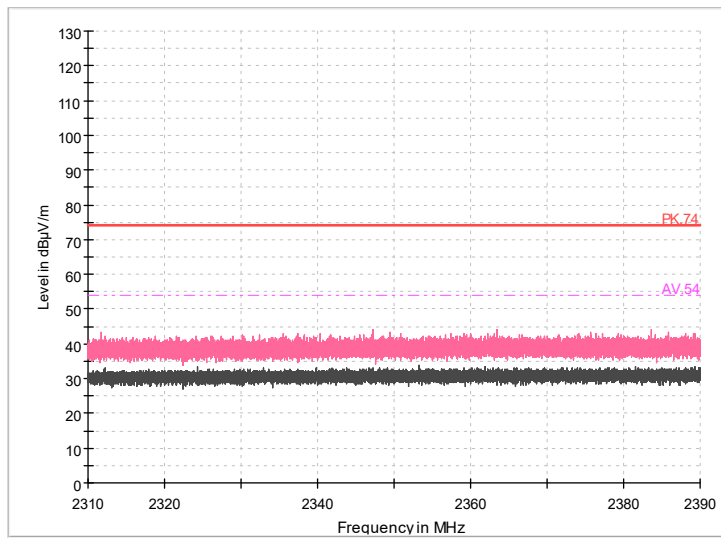
Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode: GFSK  
Polarity: Horizontal

Full Spectrum



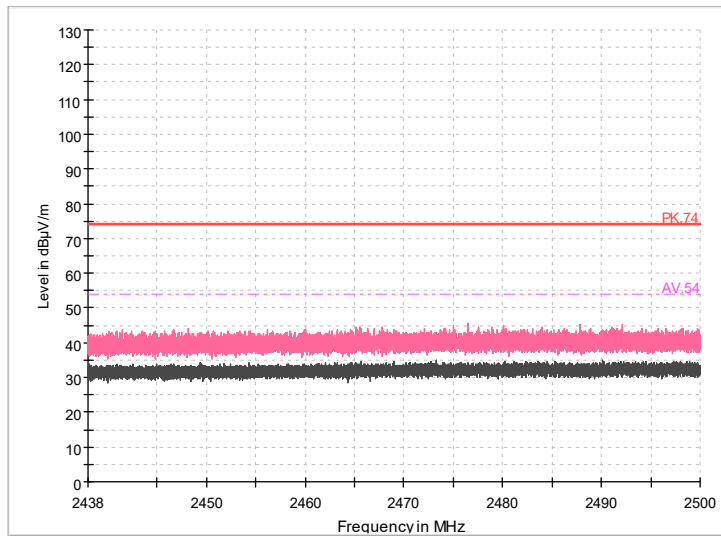
Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode:  $\pi/4$ DQPSK  
Polarity: Vertical

Full Spectrum



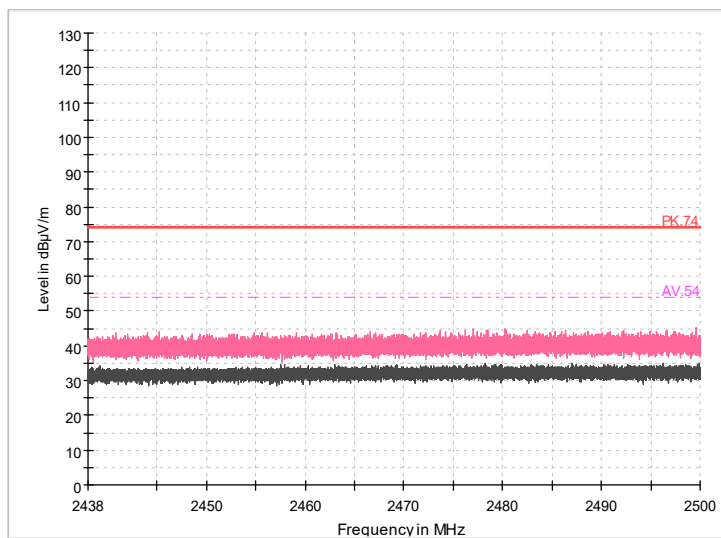
Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode:  $\pi/4$ DQPSK  
Polarity: Horizontal

Full Spectrum



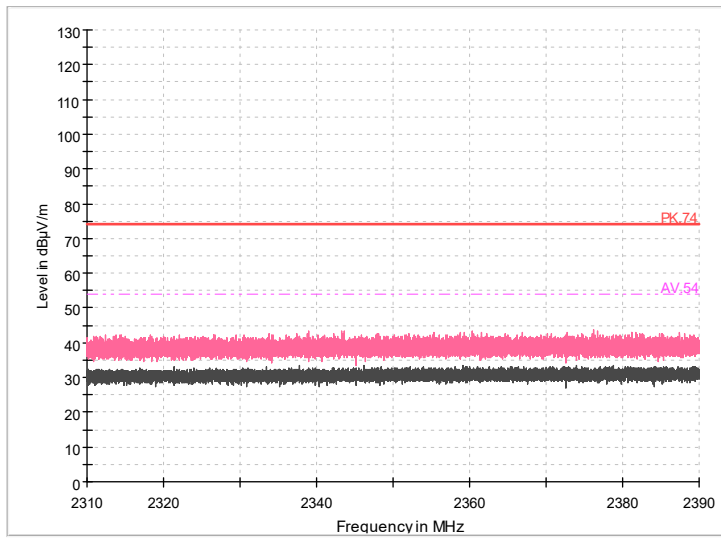
Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode:  $\pi/4$ DQPSK  
Polarity: Vertical

Full Spectrum



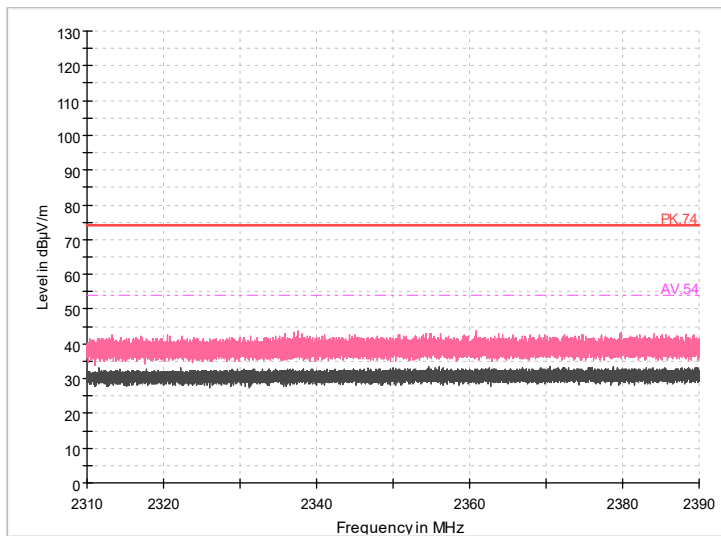
Carrier frequency (MHz): 2480  
Channel No.:78  
Test Mode:  $\pi/4$ DQPSK  
Polarity: Horizontal

Full Spectrum



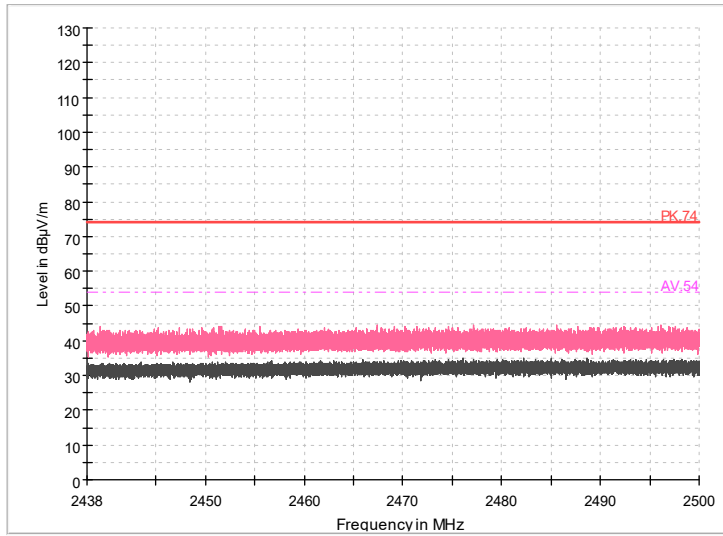
Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode: 8DPSK  
Polarity: Vertical

Full Spectrum



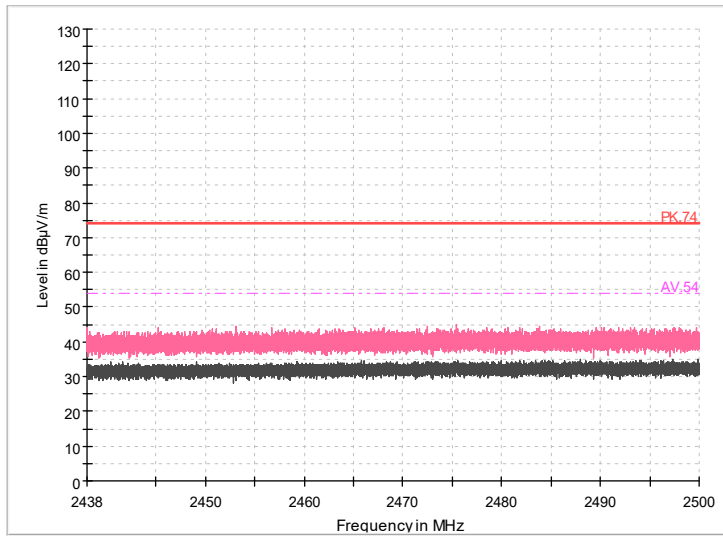
Carrier frequency (MHz): 2402  
Channel No.:0  
Test Mode: 8DPSK  
Polarity: Horizontal

Full Spectrum



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

Full Spectrum



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

## Radiated Emission

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

### 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:  $(6.59\text{dB}\mu\text{V}/\text{m}) = (24.99\text{dB}\mu\text{V}) + (-18.4\text{dB}/\text{m})$ , the corresponding frequency is 50.5155MHz.

For GFSK

Channel No.:0

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.991000	19.06	-26	45.06	Vertical	30.00	10.94
35.992000	19.04	-26	45.04	Vertical	30.00	10.96
38.414333	25.20	-25	50.20	Vertical	30.00	4.80
44.525333	23.28	-24	47.28	Vertical	30.00	6.72
74.176667	12.93	-29	41.93	Vertical	30.00	17.07
102.790000	14.84	-25	39.84	Horizontal	33.50	18.66

For  $\pi/4$ DQPSK

Channel No.:0

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.822667	18.20	-26	44.20	Vertical	30.00	11.80
36.012333	18.58	-26	44.58	Vertical	30.00	11.42
38.414333	25.13	-25	50.13	Vertical	30.00	4.87
44.445333	23.73	-24	47.73	Vertical	30.00	6.27
74.291667	12.58	-29	41.58	Vertical	30.00	17.42
105.028667	13.98	-24	37.98	Horizontal	33.50	19.52

For 8DPS

Channel No.:0

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
52.019	7.04	-18.5	25.54	Vertical	40	32.96
58.8575	6.26	-19.1	25.36	Vertical	40	33.74

97.9	6.41	-18.8	25.21	Vertical	43.5	37.09
203.3875	5.2	-18.7	23.9	Vertical	43.5	38.3
551.86	13.28	-9.4	22.68	Vertical	46	32.72
936.9015	18.64	-2.9	21.54	Horizontal	46	27.36

For GFSK

Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.997000	18.44	-26	44.44	Vertical	30.00	11.56
38.414333	24.97	-25	49.97	Vertical	30.00	5.03
42.015333	14.22	-24	38.22	Vertical	30.00	15.78
44.428333	23.55	-24	47.55	Vertical	30.00	6.45
74.307667	12.50	-29	41.50	Vertical	30.00	17.50
102.782333	9.47	-25	34.47	Horizontal	33.50	24.03

For  $\pi/4$ DQPSK

Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.989333	18.32	-26	44.32	Vertical	30.00	11.68
38.414333	25.21	-25	50.21	Vertical	30.00	4.79
44.420667	23.46	-24	47.46	Vertical	30.00	6.54
74.279667	12.45	-29	41.45	Vertical	30.00	17.55
88.822000	13.79	-27	40.79	Vertical	33.50	19.71
102.790000	9.19	-25	34.19	Horizontal	33.50	24.31

For 8DPSK

Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.014000	18.12	-26	44.12	Vertical	30.00	11.88
38.414333	24.82	-25	49.82	Vertical	30.00	5.18
44.388333	23.43	-24	47.43	Vertical	30.00	6.57
76.036667	12.48	-29	41.48	Vertical	30.00	17.52
88.637333	14.43	-27	41.43	Vertical	33.50	19.07
106.888667	12.12	-25	37.12	Horizontal	33.50	21.38

For GFSK

Channel No.:78

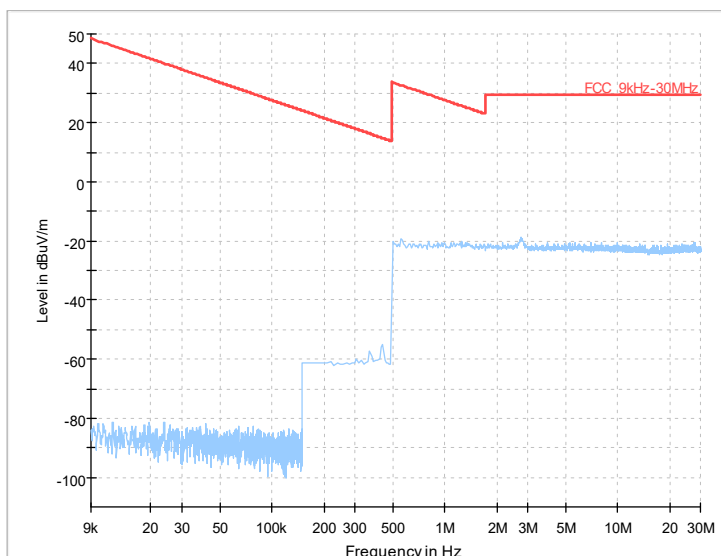
Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.862667	17.07	-26	43.07	Vertical	30.00	12.93
35.878667	17.38	-26	43.38	Vertical	30.00	12.62
38.414333	24.74	-25	49.74	Vertical	30.00	5.26
44.356000	23.48	-24	47.48	Vertical	30.00	6.52
76.290333	12.65	-29	41.65	Vertical	30.00	17.35
105.013333	12.89	-24	36.89	Horizontal	33.50	20.61

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

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
36.000333	18.64	-26	44.64	Vertical	30.00	11.36
38.414333	24.78	-25	49.78	Vertical	30.00	5.22
44.339000	23.48	-24	47.48	Vertical	30.00	6.52
74.177667	12.59	-29	41.59	Vertical	30.00	17.41
88.620333	15.03	-27	42.03	Vertical	33.50	18.47
106.072667	12.54	-25	37.54	Horizontal	33.50	20.96

For 8DPSK  
Channel No.:78

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.981667	18.22	-26	44.22	Vertical	30.00	11.78
38.414333	24.71	-25	49.71	Vertical	30.00	5.29
44.283667	23.60	-24	47.60	Vertical	30.00	6.40
54.019333	13.53	-23	36.53	Vertical	30.00	16.47
76.283333	12.61	-29	41.61	Vertical	30.00	17.39
88.588000	14.81	-27	41.81	Horizontal	33.50	18.69



Frequency Range: 9kHz -30MHz

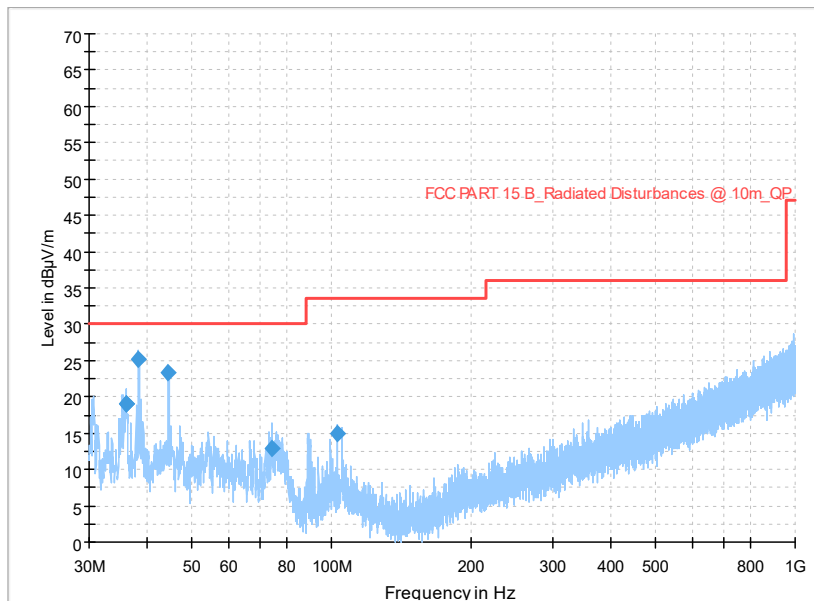
Detector: QP mode

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.



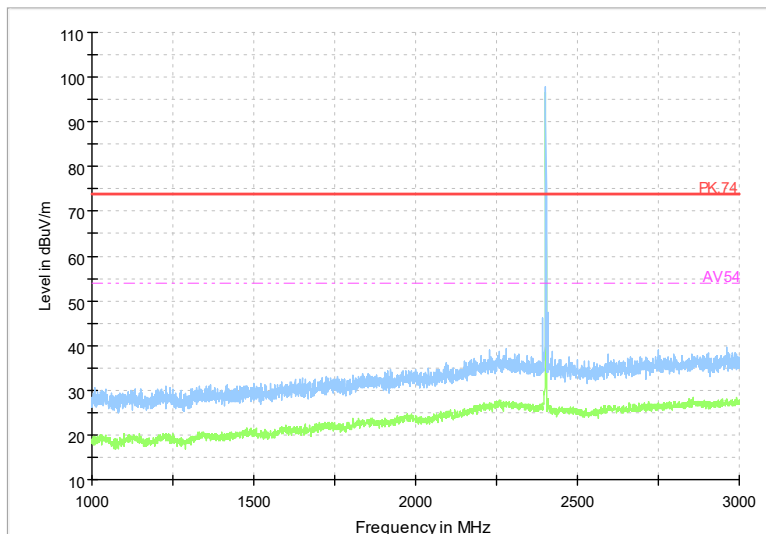
Carrier frequency (MHz): 2402  
Channel No.:0

Full Spectrum



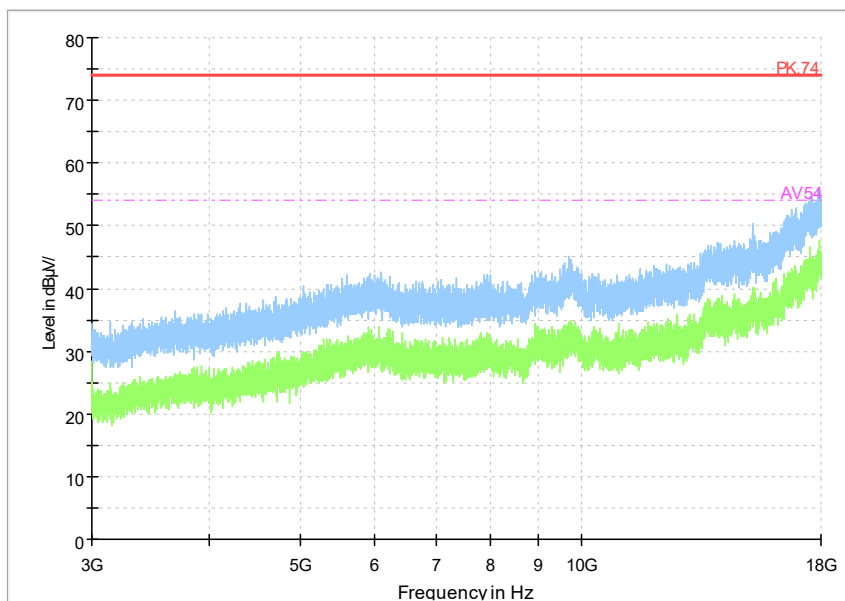
Frequency Range:30MHz-1GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum

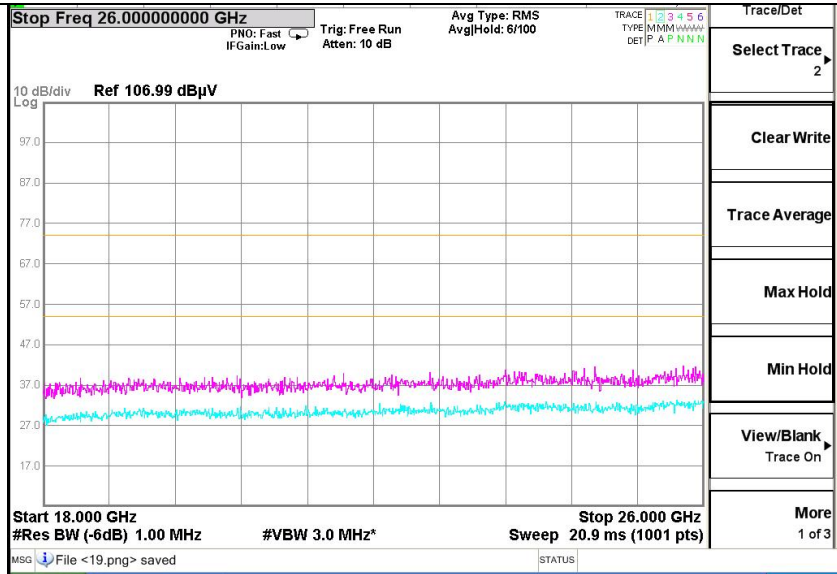


Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum

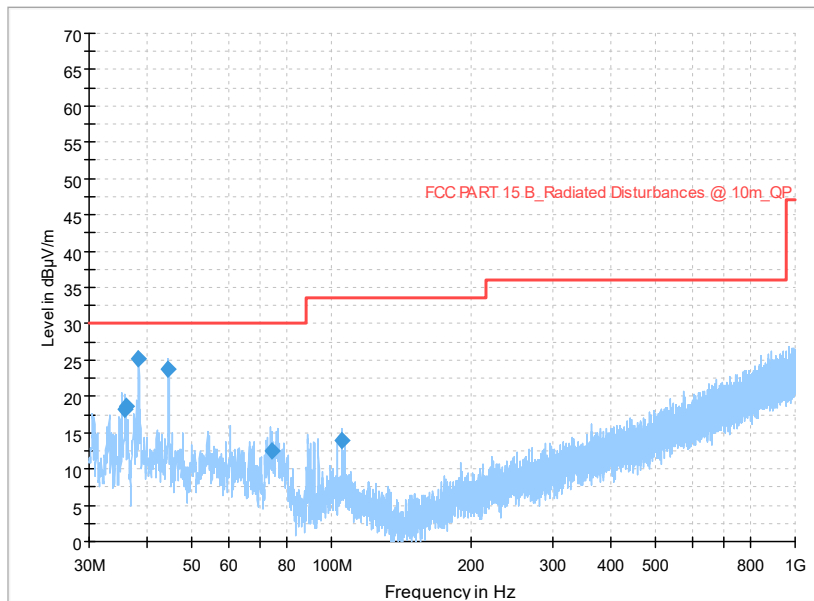


Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK



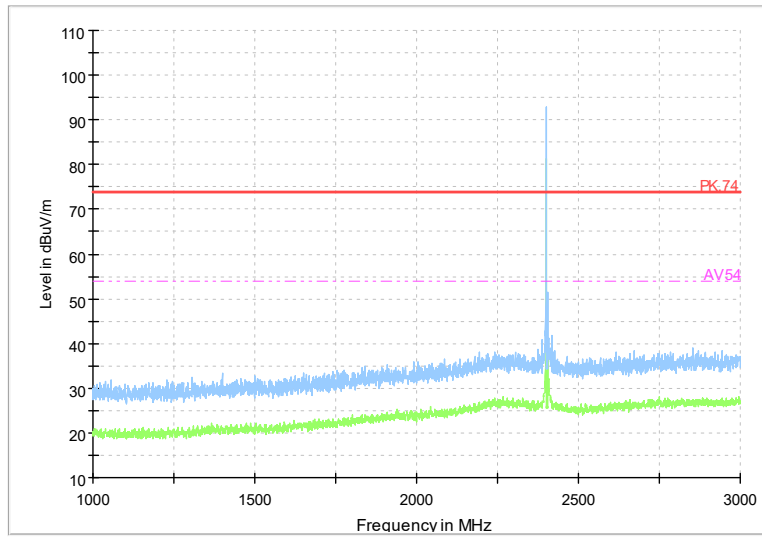
Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: GFSK

Full Spectrum



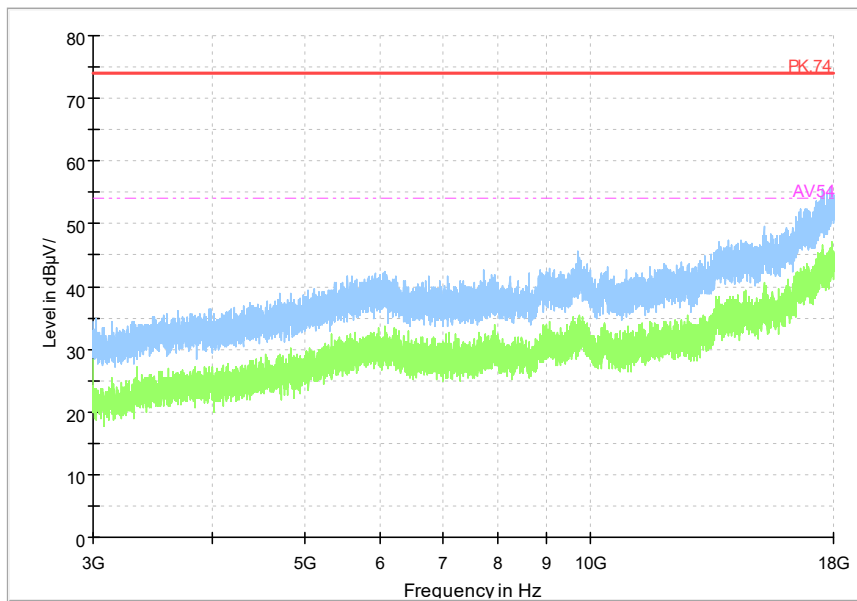
Frequency Range:30MHz-1GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum

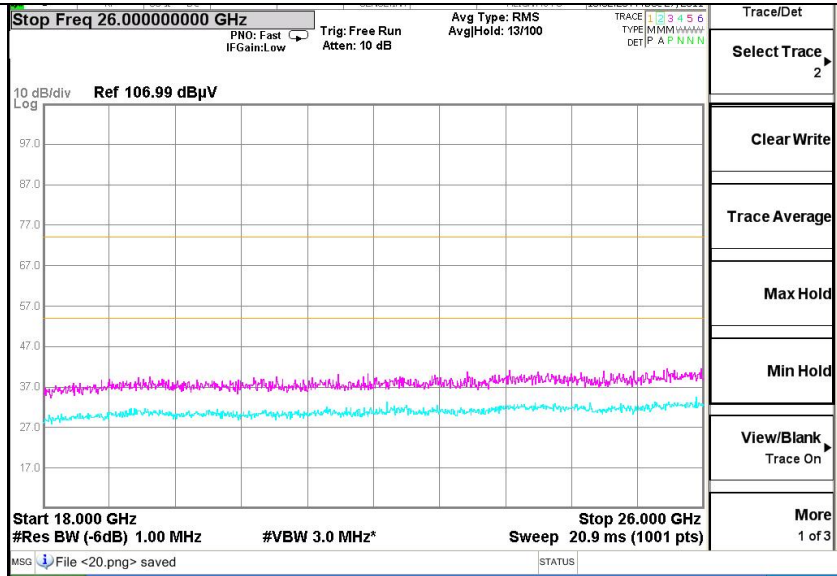


Frequency Range: 1GHz-3GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK

Full Spectrum

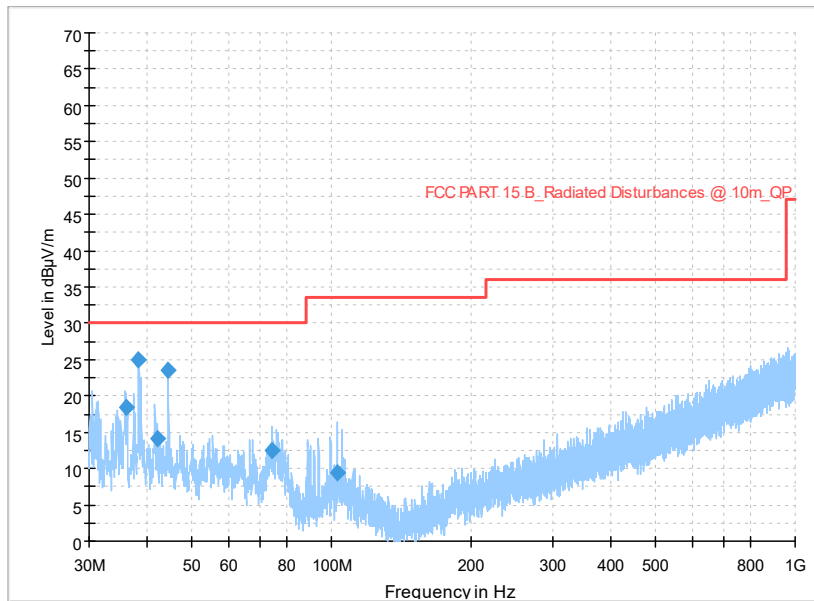


Frequency Range: 3GHz-18GHz  
Detector: Av mode and PK mode  
Modulation type:  $\pi/4$ DQPSK



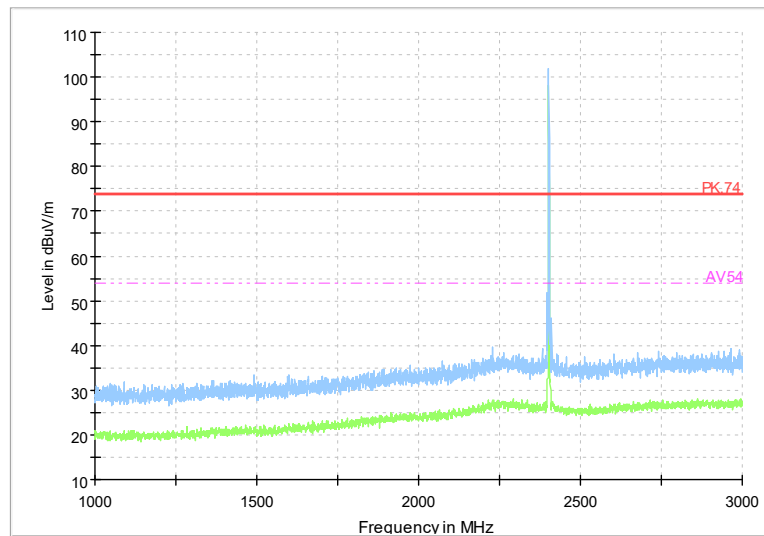
Frequency Range: 18GHz-26GHz  
 Detector: Av mode and PK mode  
 Modulation type:  $\pi/4$ DQPSK

Full Spectrum



Frequency Range:30MHz-1GHz  
Detector: Av mode and PK mode  
Modulation type: 8DPSK

Full Spectrum



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