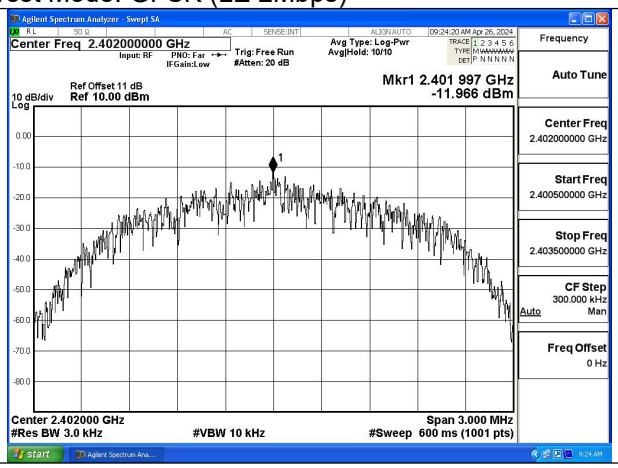
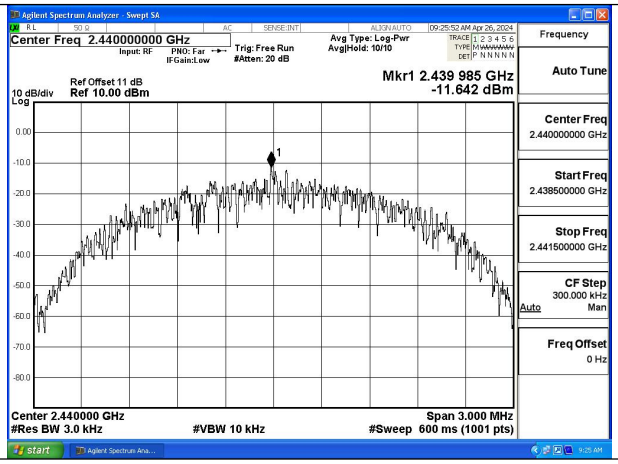
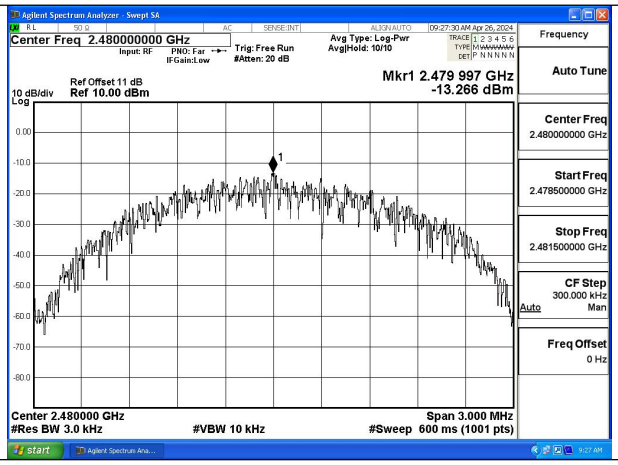
Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz

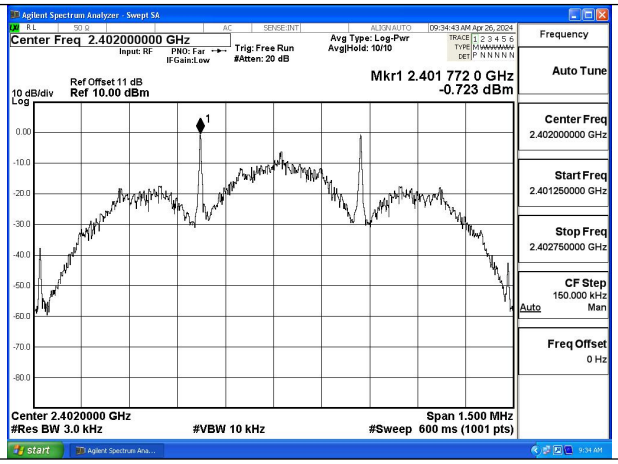


Test Mode:GFSK (LE 2Mbps) 2440MHz

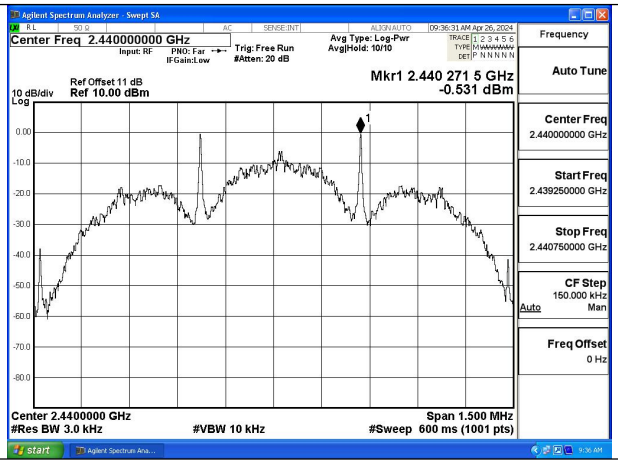


Test Mode:GFSK (LE 2Mbps) 2480MHz

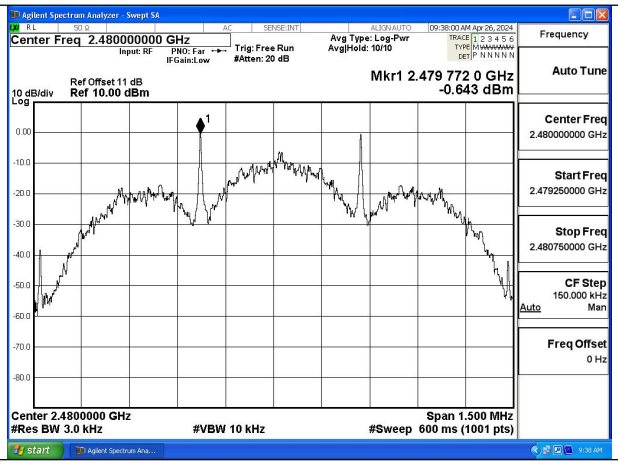
Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz

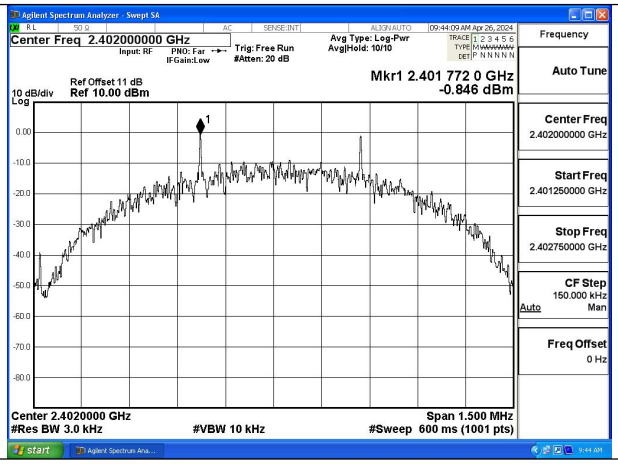


Test Mode:Coded 125K 2440MHz

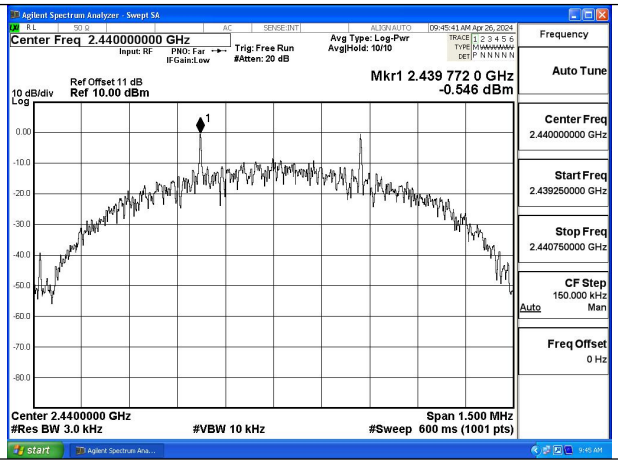


Test Mode:Coded 125K 2480MHz

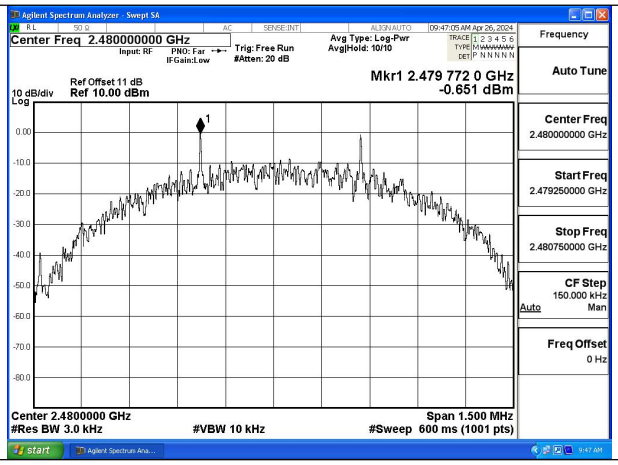
Test Mode: Coded 500K



Test Mode:Coded 500K 2402MHz



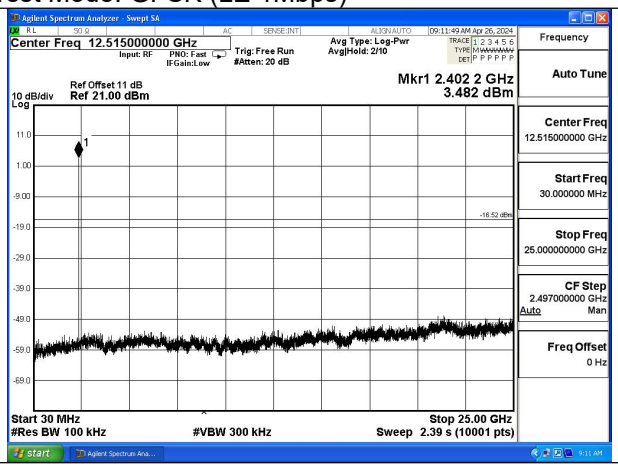
Test Mode:Coded 500K 2440MHz



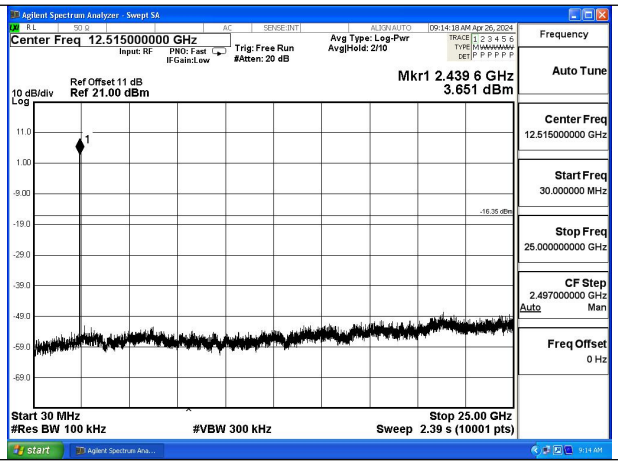
Test Mode:Coded 500K 2480MHz

5 Conducted Out of band emission measurement

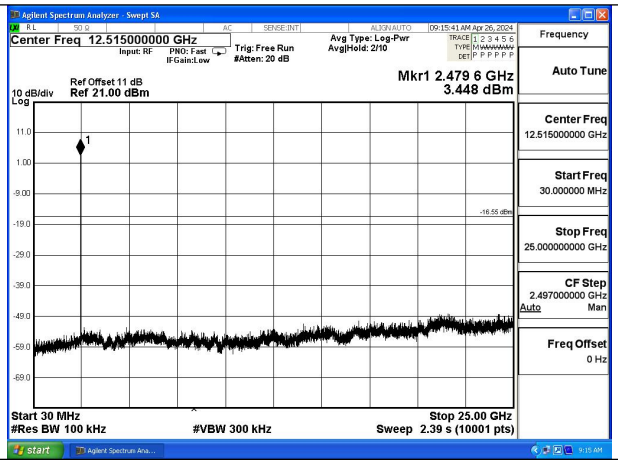
Test Mode: GFSK (LE 1Mbps)



CH0

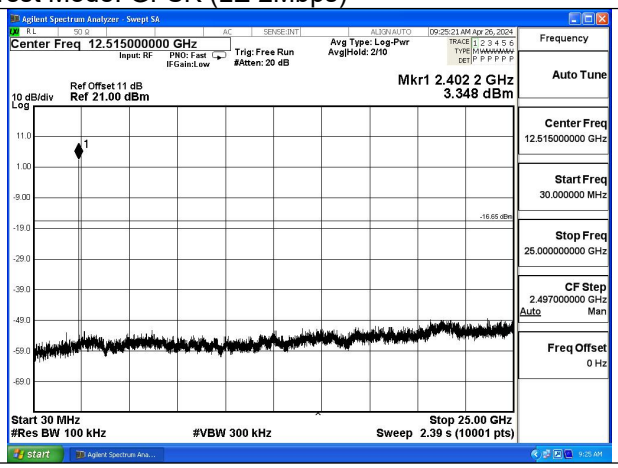


CH19

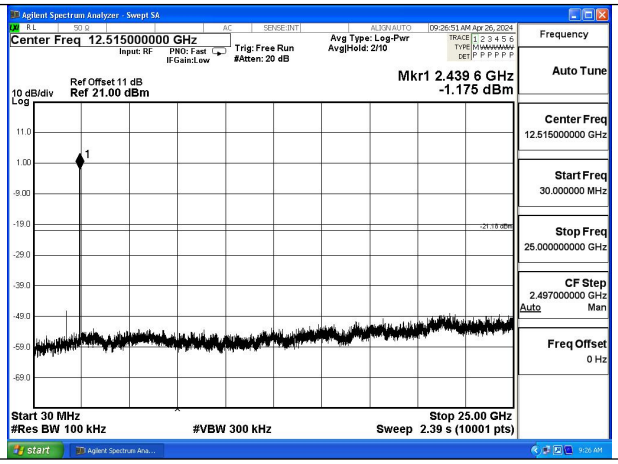


CH39

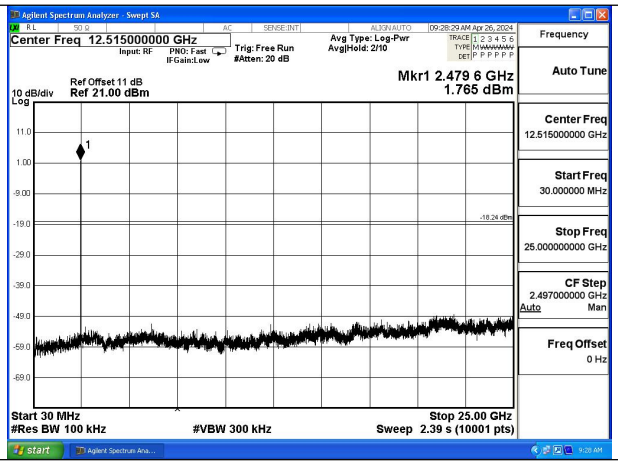
Test Mode: GFSK (LE 2Mbps)



CH0

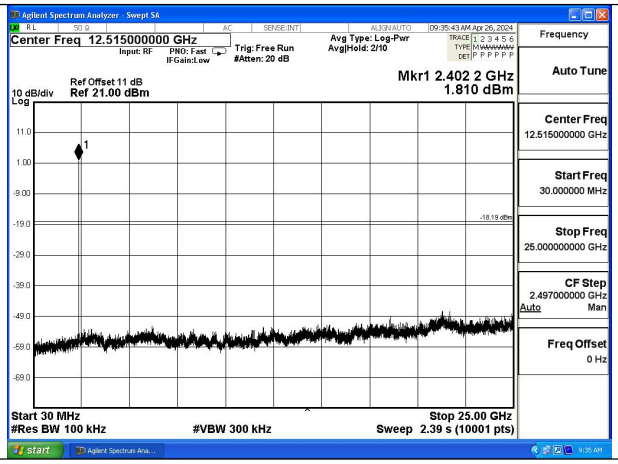


CH19

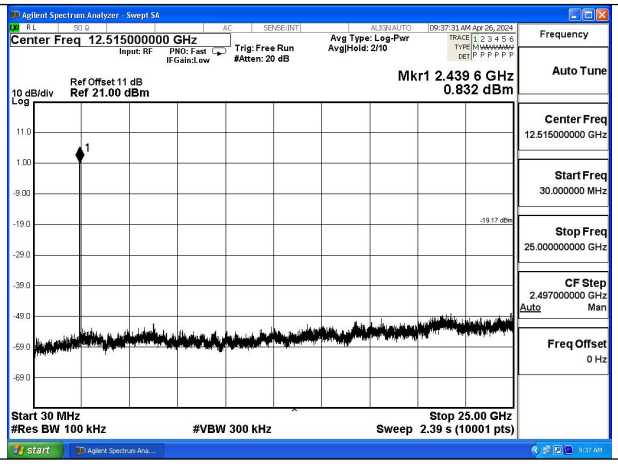


CH39

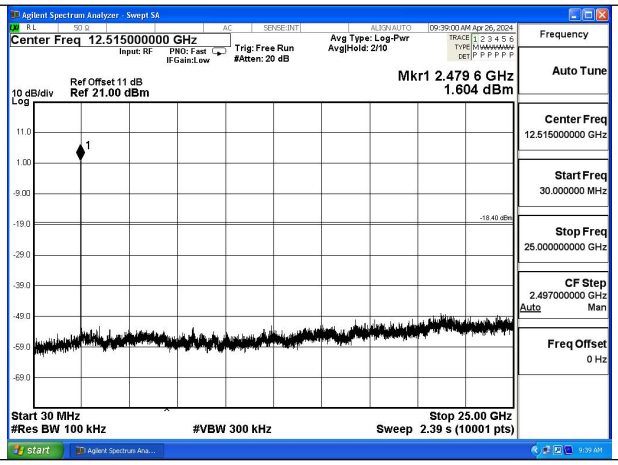
Test Mode: Coded 125K



CH0

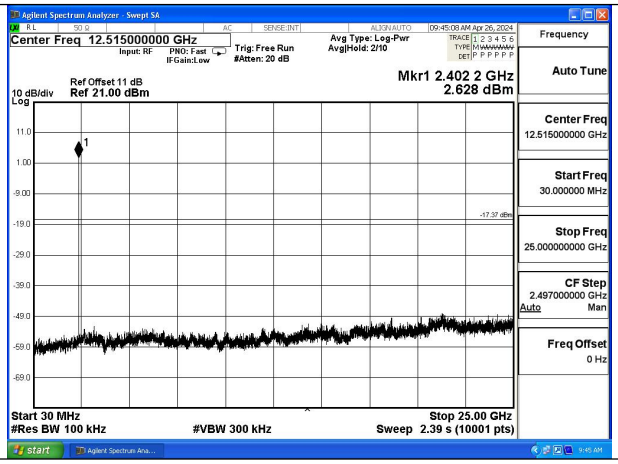


CH19

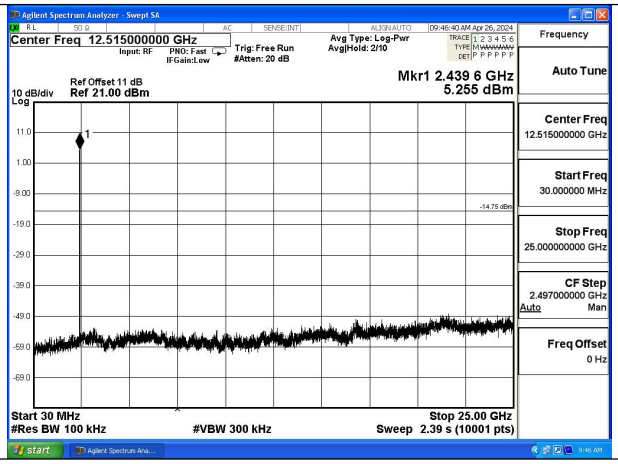


CH39

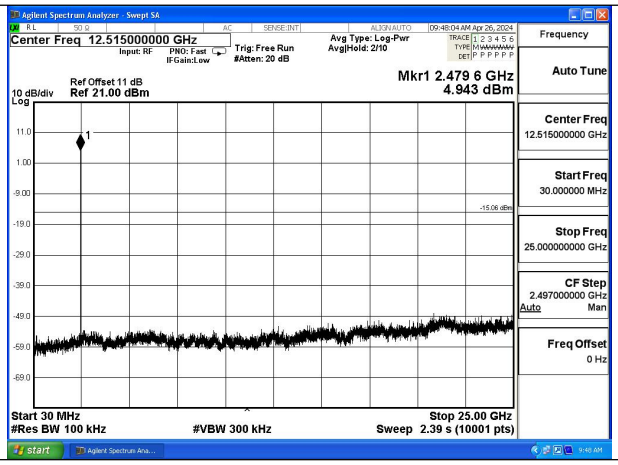
Test Mode: Coded 500K



CH0



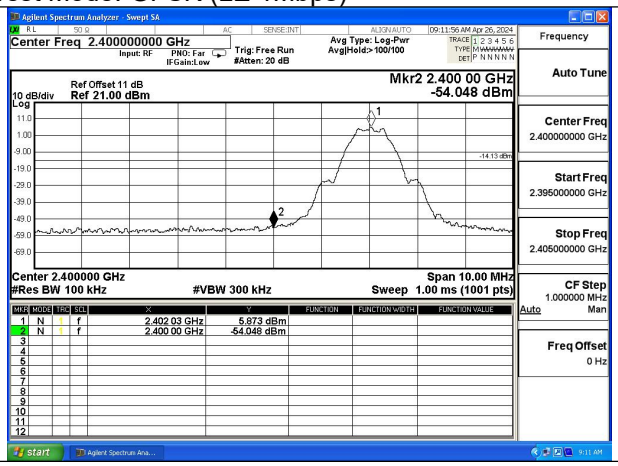
CH19



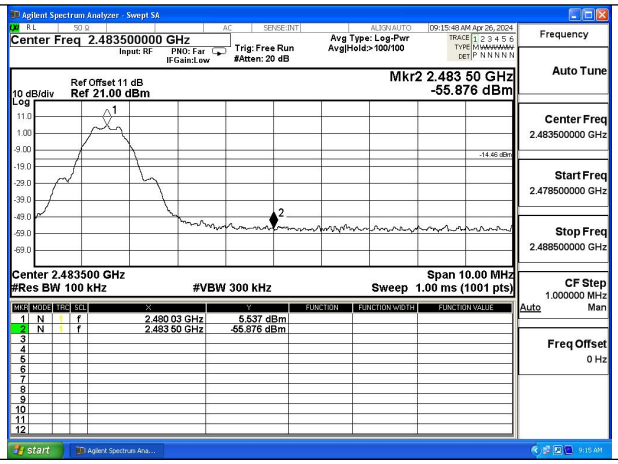
CH39

6 Band Edge measurement

Test Mode: GFSK (LE 1Mbps)

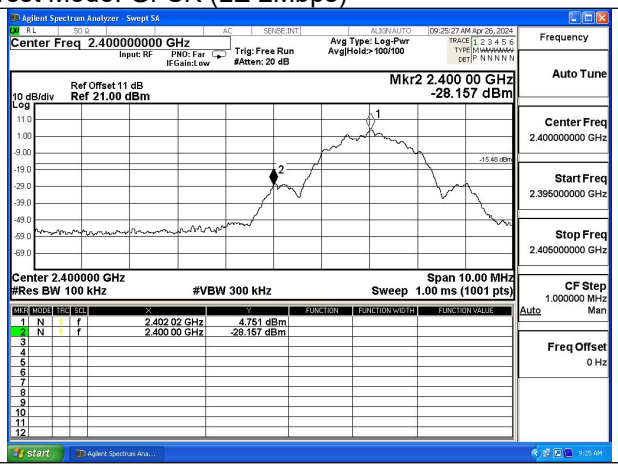


CH0

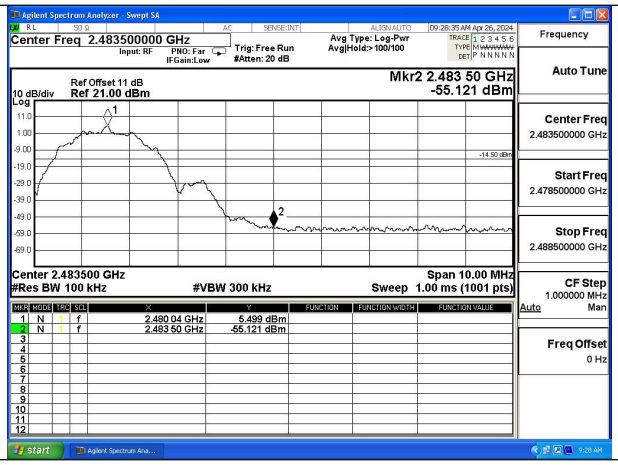


CH39

Test Mode: GFSK (LE 2Mbps)

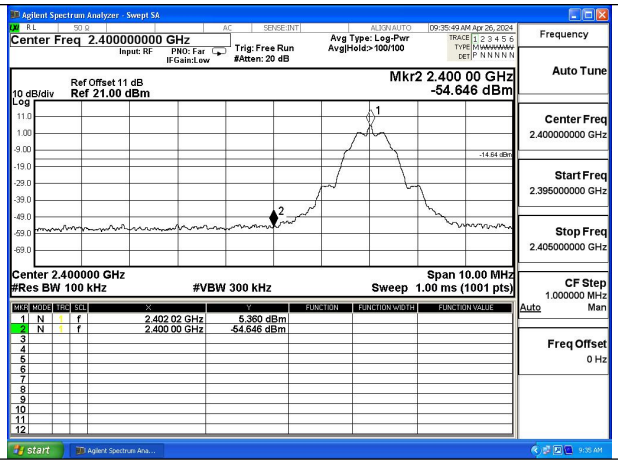


CH0

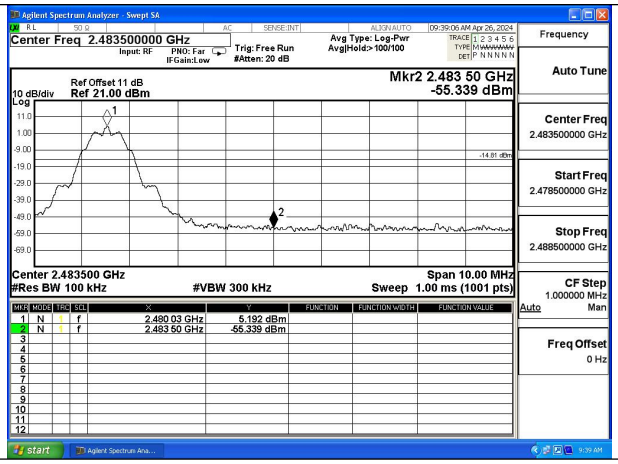


CH39

Test Mode: Coded 125K

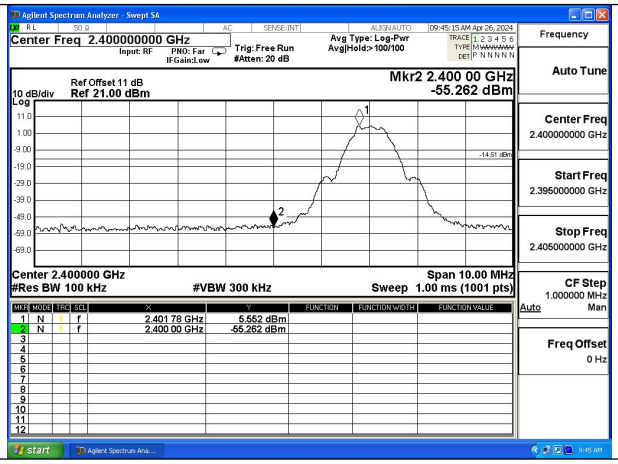
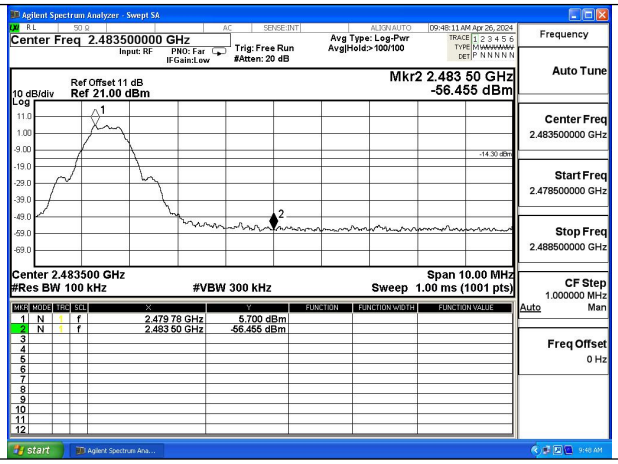


CH0



CH39

Test Mode: Coded 500K

	
CH0	CH39

APPENDIX B – TEST DATA OF RADIATED EMISSION

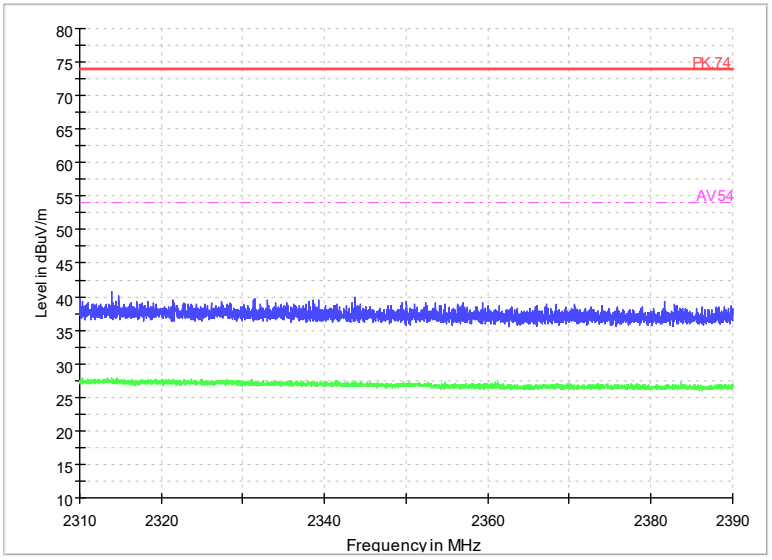
Note：The worst channel results are reflected in the report

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

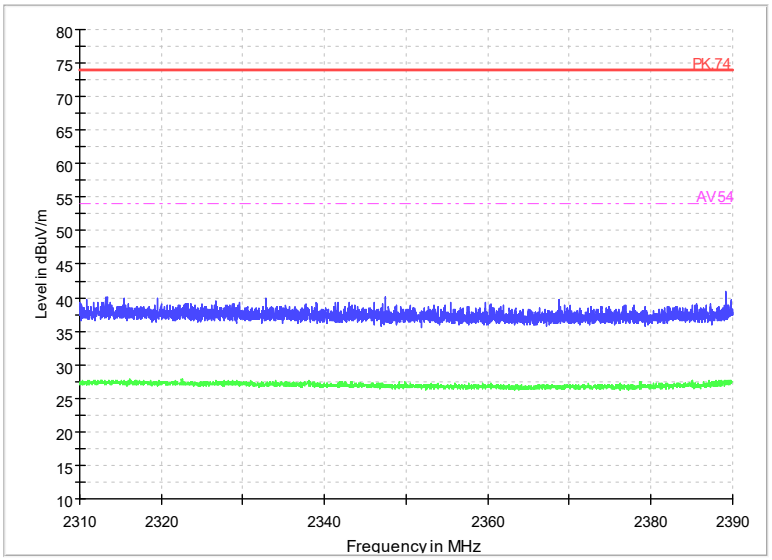
Radiated Emission Band Edge

Sample Calculations

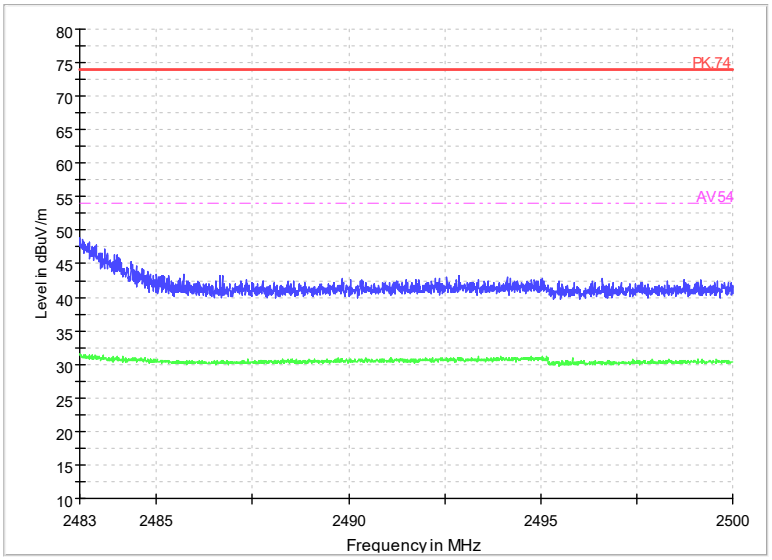
After comparison,the worst case attitude is EUT lay down.



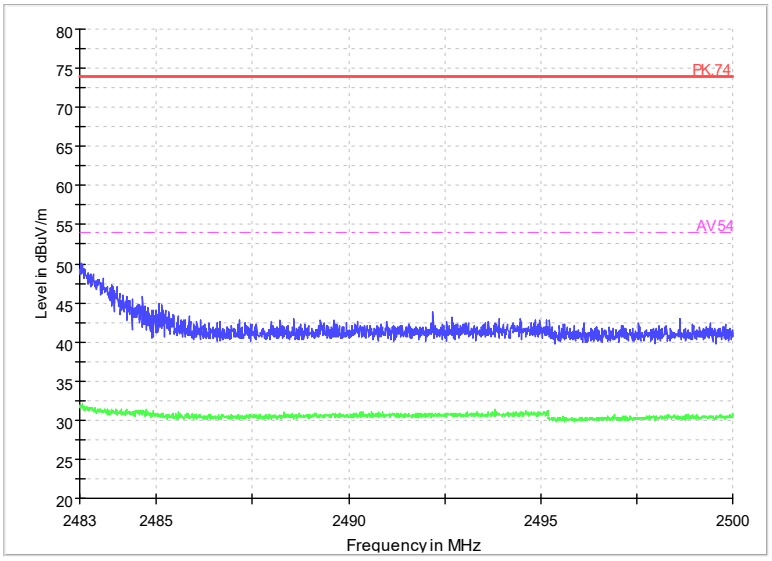
Carrier frequency (MHz): 2402
Channel No.:0
Test Mode: GFSK (LE 1Mbps)
Polarity: Vertical



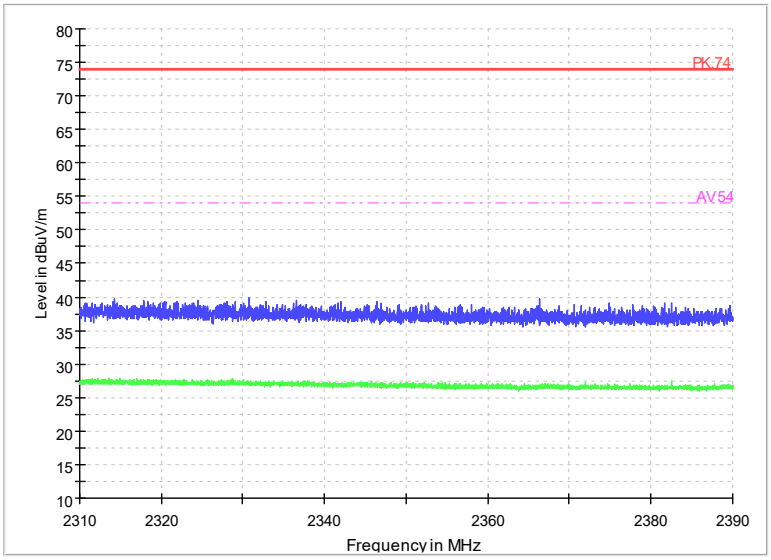
Carrier frequency (MHz): 2402
Channel No.:0
Test Mode: GFSK (LE 1Mbps)
Polarity: Horizontal



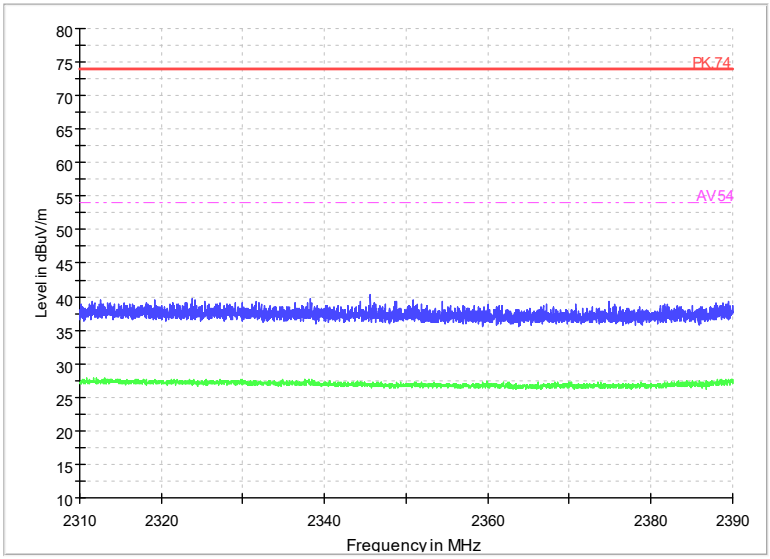
Carrier frequency (MHz): 2480
Channel No.:39
Test Mode: GFSK (LE 1Mbps)
Polarity: Vertical



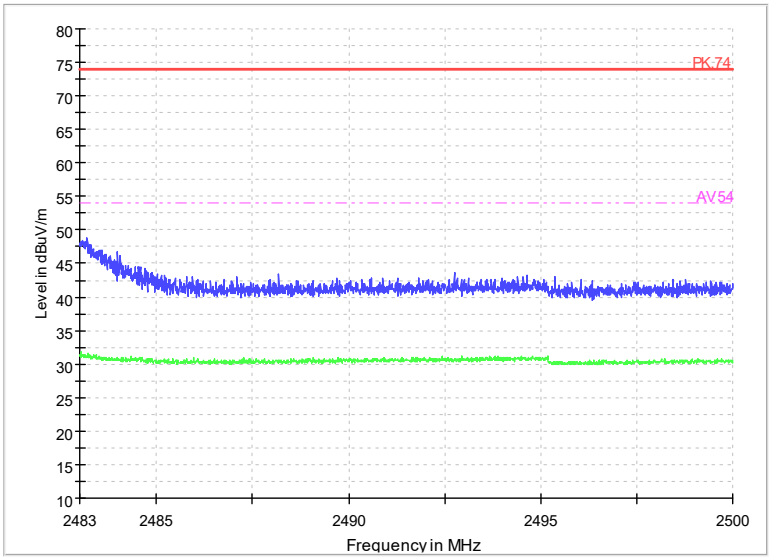
Carrier frequency (MHz): 2480
Channel No.:39
Test Mode: GFSK (LE 1Mbps)
Polarity: Horizontal



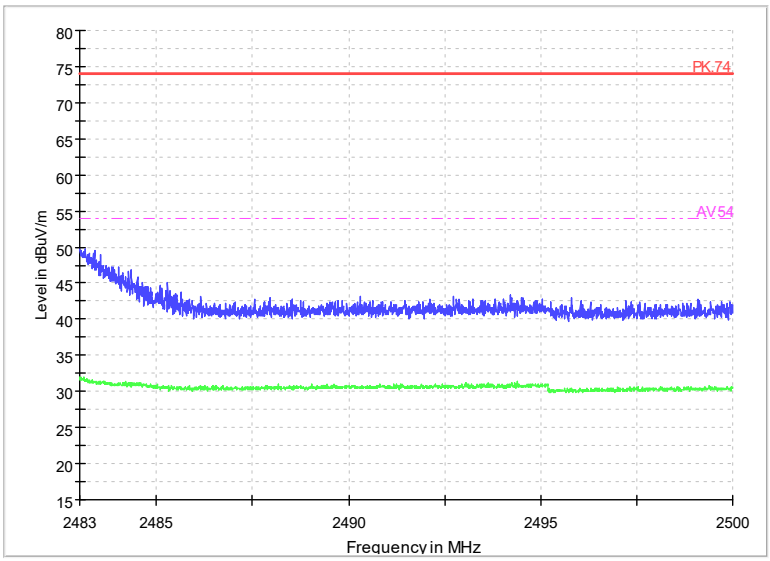
Carrier frequency (MHz): 2402
Channel No.:0
Test Mode: GFSK (LE 2Mbps)
Polarity: Vertical



Carrier frequency (MHz): 2402
Channel No.:0
Test Mode: GFSK (LE 2Mbps)
Polarity: Horizontal



Carrier frequency (MHz): 2480
Channel No.:39
Test Mode: GFSK (LE2Mbps)
Polarity: Vertical



Carrier frequency (MHz): 2480
Channel No.:39
Test Mode: GFSK (LE2Mbps)
Polarity: Horizontal

Test result

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: (18.81dBμV/m) = (38.81dBuV) + (-20dB/m), the corresponding frequency is 35.238MHz.

For GFSK (LE 1Mbps)

Channel No.:0

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.238	18.81	-20	38.81	Vertical	40	21.19
60.846	3.18	-20.1	23.28	Vertical	40	36.82
111.48	5.01	-19.8	24.81	Vertical	43.5	38.49
296.3135	6.19	-17.2	23.39	Vertical	46	39.81
550.502	11.09	-11.1	22.19	Vertical	46	34.91
956.3015	16.05	-5	21.05	Vertical	46	29.95

Channel No.:19

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.1895	17.24	-20	37.24	Vertical	40	22.76
56.578	4.63	-19.5	24.13	Vertical	40	35.37
111.2375	4.97	-19.8	24.77	Vertical	43.5	38.53
207.219	4.06	-19.7	23.76	Vertical	43.5	39.44
553.412	10.99	-11.1	22.09	Vertical	46	35.01
950.336	16.07	-5.1	21.17	Vertical	46	29.93

Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.1895	17.2	-20	37.2	Vertical	40	22.8
57.936	5.48	-19.7	25.18	Vertical	40	34.52
113.226	3.85	-19.9	23.75	Vertical	43.5	39.65
212.2145	4.03	-19.5	23.53	Vertical	43.5	39.47
525.185	10.98	-11.7	22.68	Vertical	46	35.02
877.586	15.13	-5.9	21.03	Vertical	46	30.87

For GFSK (LE 2Mbps)

Channel No.:0

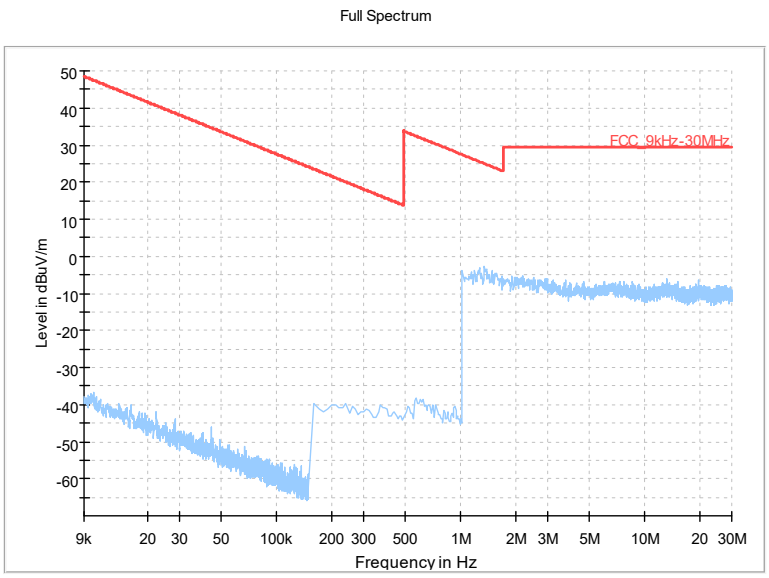
Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.238	18.82	-20	38.82	Vertical	40	21.18
57.9845	5.54	-19.7	25.24	Vertical	40	34.46
97.997	5.93	-19.5	25.43	Vertical	43.5	37.57
214.785	4.11	-19.5	23.61	Vertical	43.5	39.39
492.108	10.01	-12.4	22.41	Vertical	46	35.99
935.398	16.2	-5.2	21.4	Vertical	46	29.8

Channel No.:19

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.1895	17.12	-20	37.12	Vertical	40	22.88
56.3355	4.45	-19.5	23.95	Vertical	40	35.55
96.9785	5.78	-19.6	25.38	Vertical	43.5	37.72
309.263	6.55	-16.8	23.35	Vertical	46	39.45
524.7485	11.02	-11.8	22.82	Vertical	46	34.98
935.9315	16.21	-5.2	21.41	Vertical	46	29.79

Channel No.:39

Frequency (MHz)	Result (dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.238	18.84	-20	38.84	Vertical	40	21.16
58.324	5.5	-19.7	25.2	Vertical	40	34.5
97.803	5.15	-19.6	24.75	Vertical	43.5	38.35
295.2465	6.06	-17.2	23.26	Vertical	46	39.94
542.3055	11.05	-11.3	22.35	Vertical	46	34.95
856.0035	14.89	-6.2	21.09	Vertical	46	31.11

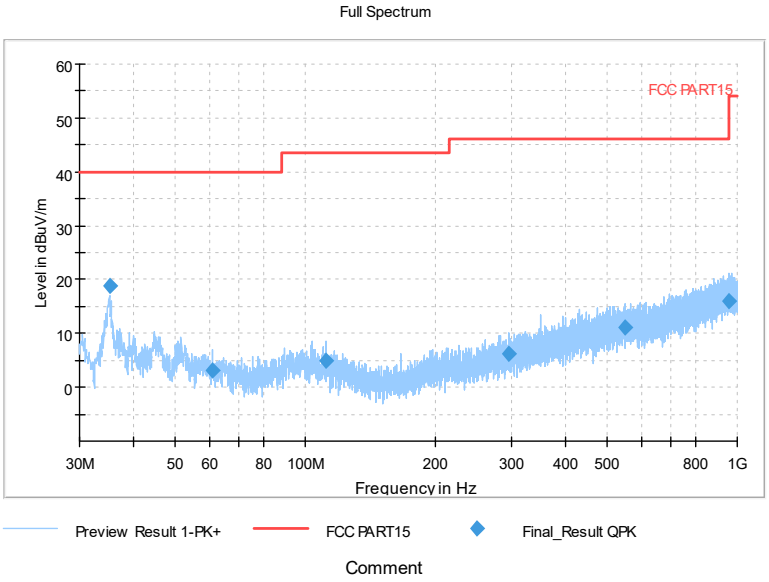


Frequency Range: 9kHz -30MHz

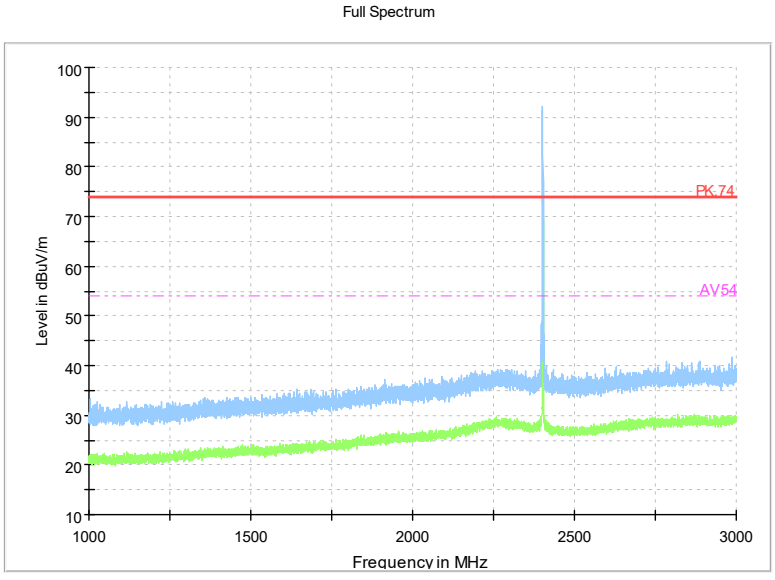
Detector: QP mode

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

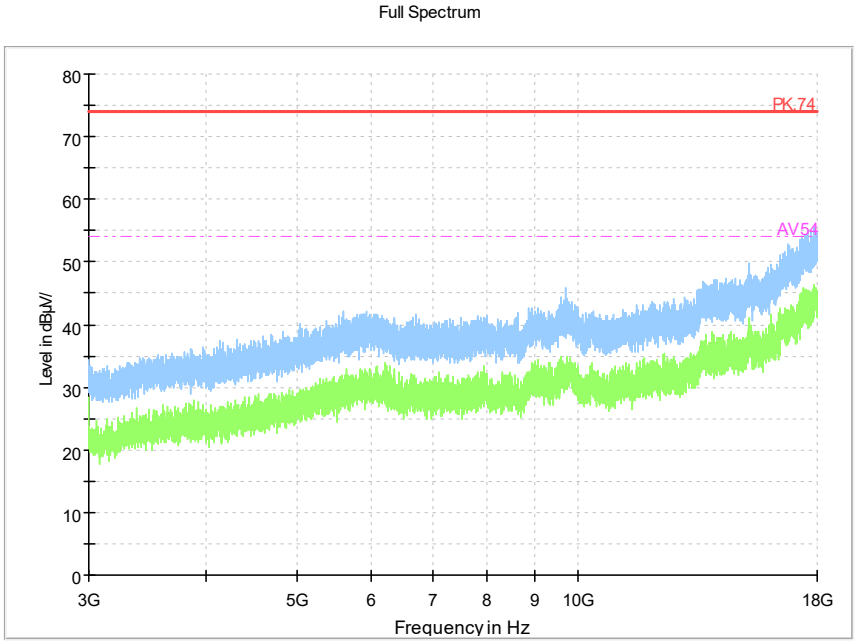
Channel No.:0



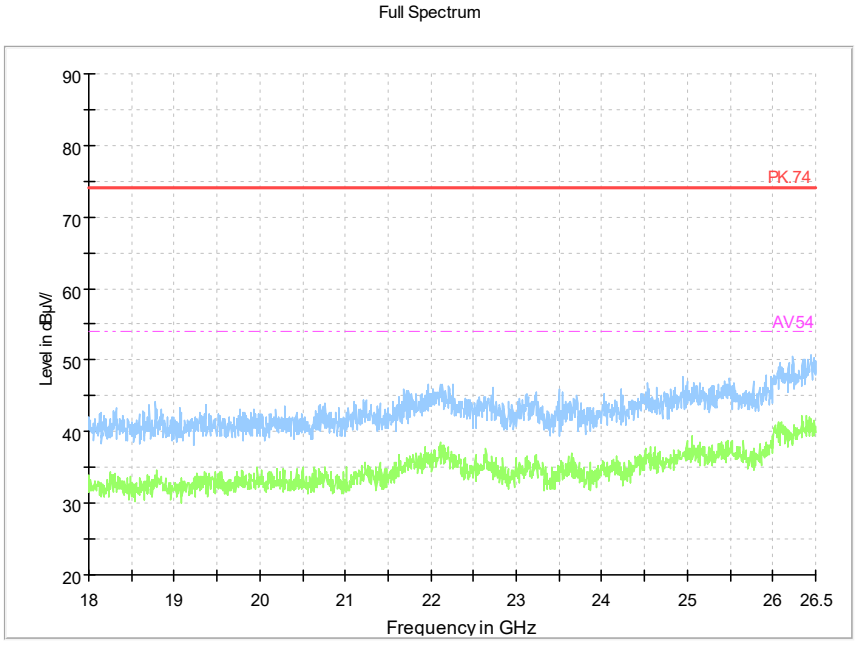
Frequency Range: 30MHz-1GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)



Frequency Range: 1GHz-3GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

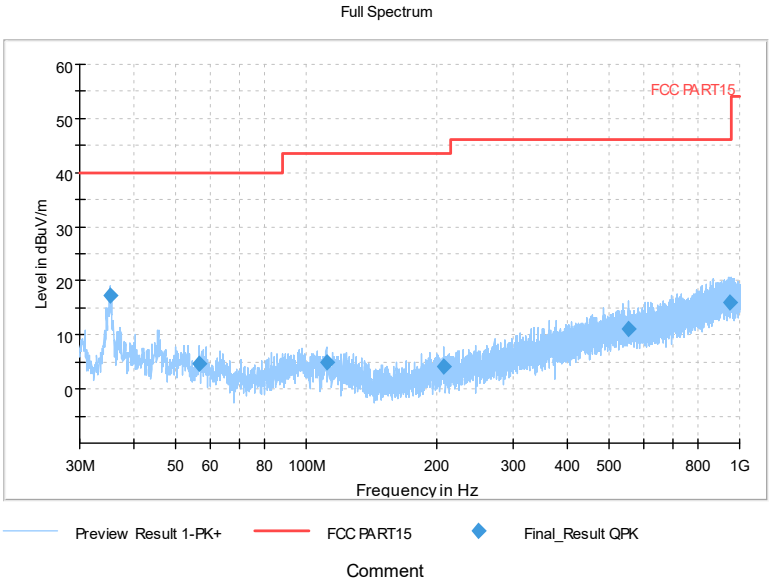


Frequency Range: 3GHz-18GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

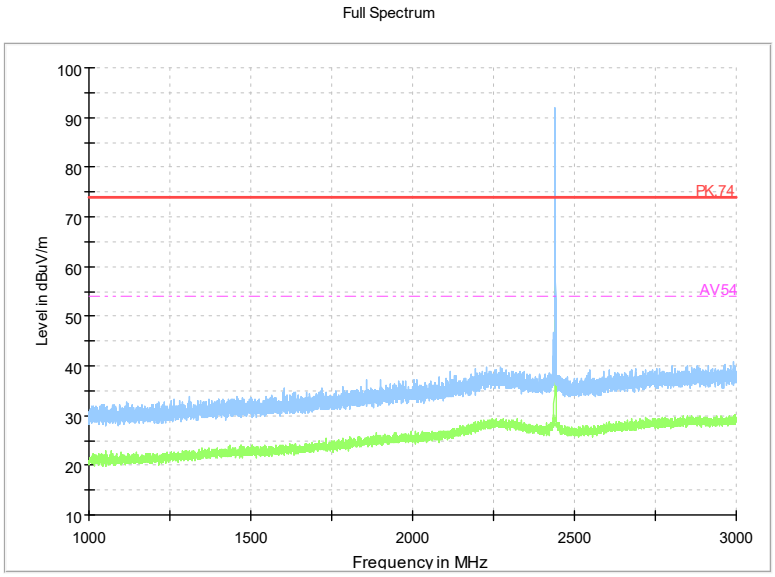


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

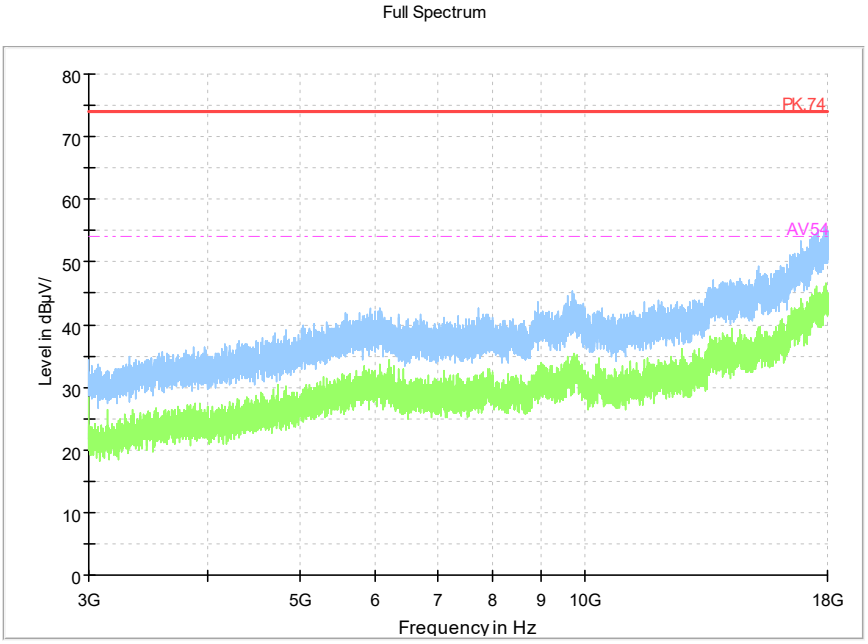
Channel No.:19



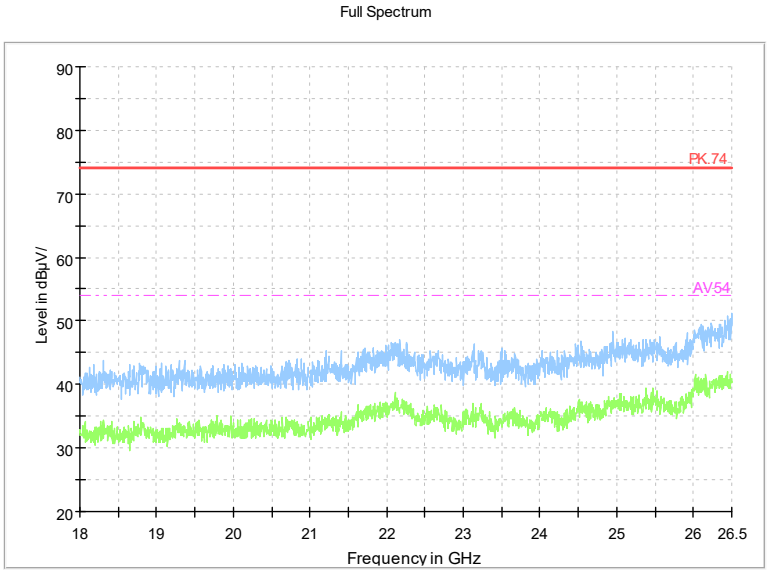
Frequency Range: 30MHz-1GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)



Frequency Range: 1GHz-3GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

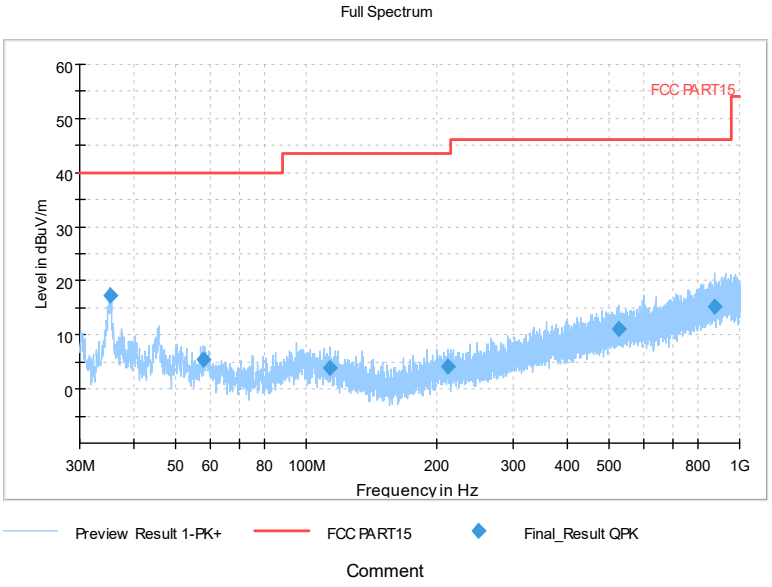


Frequency Range: 3GHz-18GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

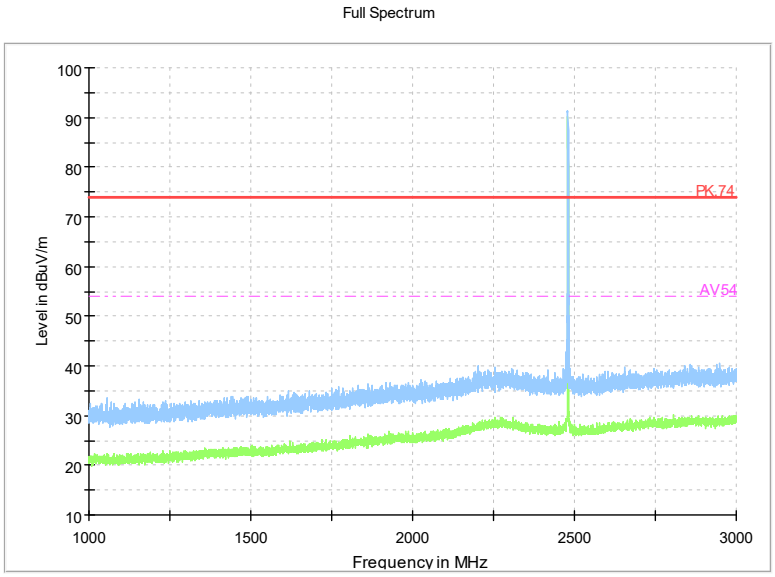


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

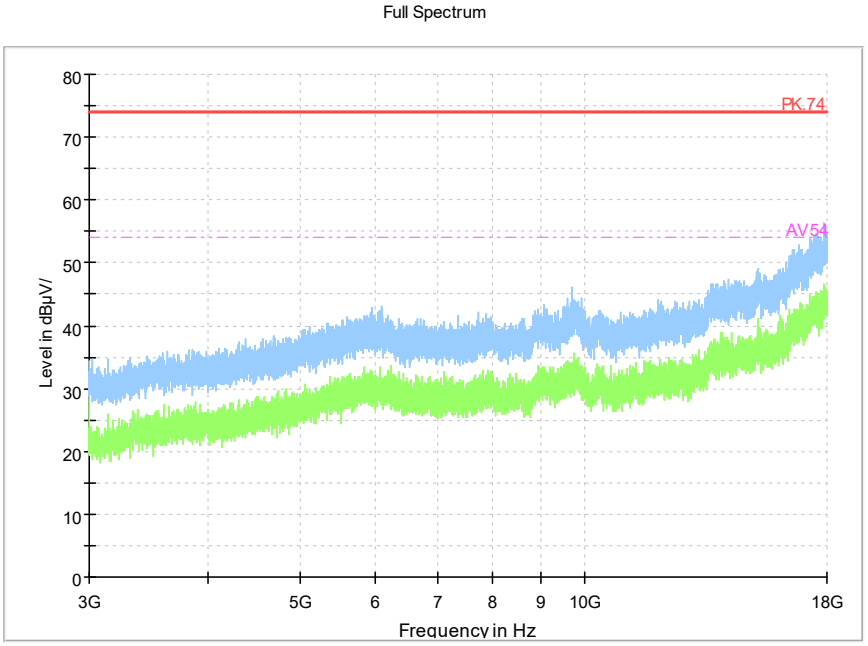
Channel No.:39



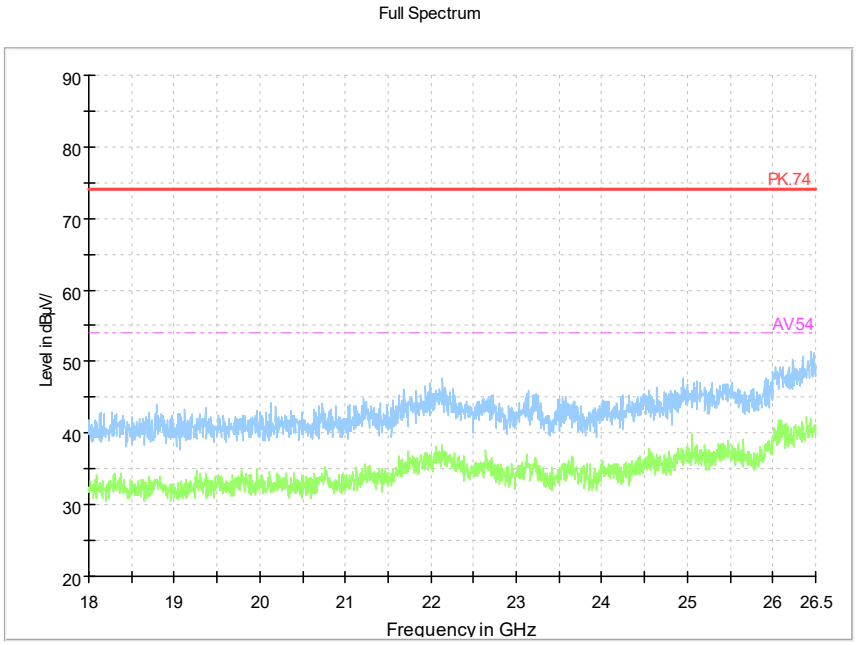
Frequency Range: 30MHz-1GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)



Frequency Range: 1GHz-3GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

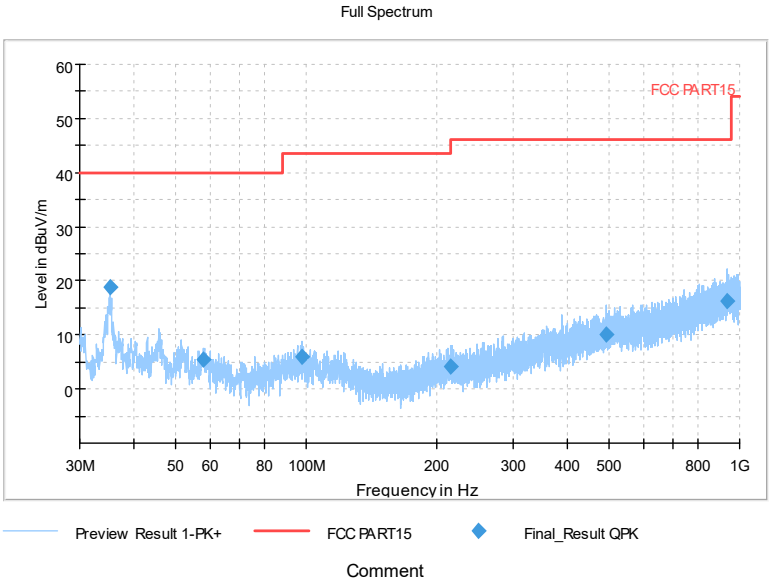


Frequency Range: 3GHz-18GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

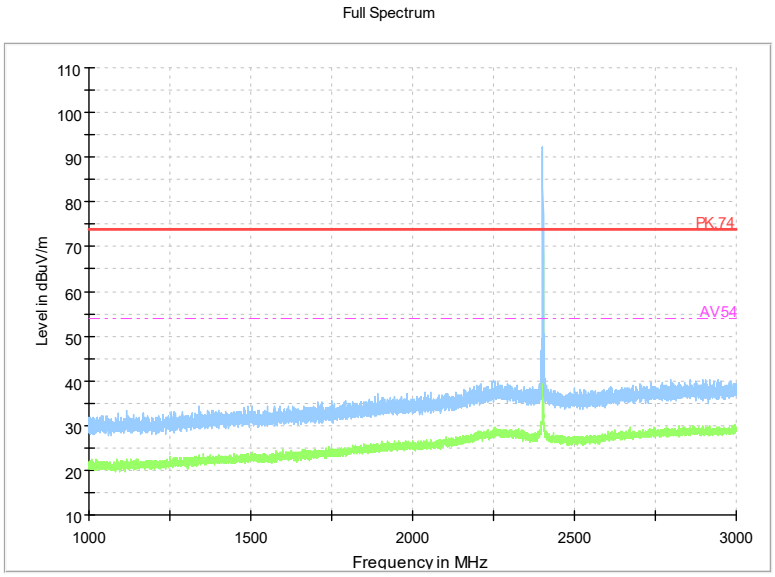


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 1Mbps)

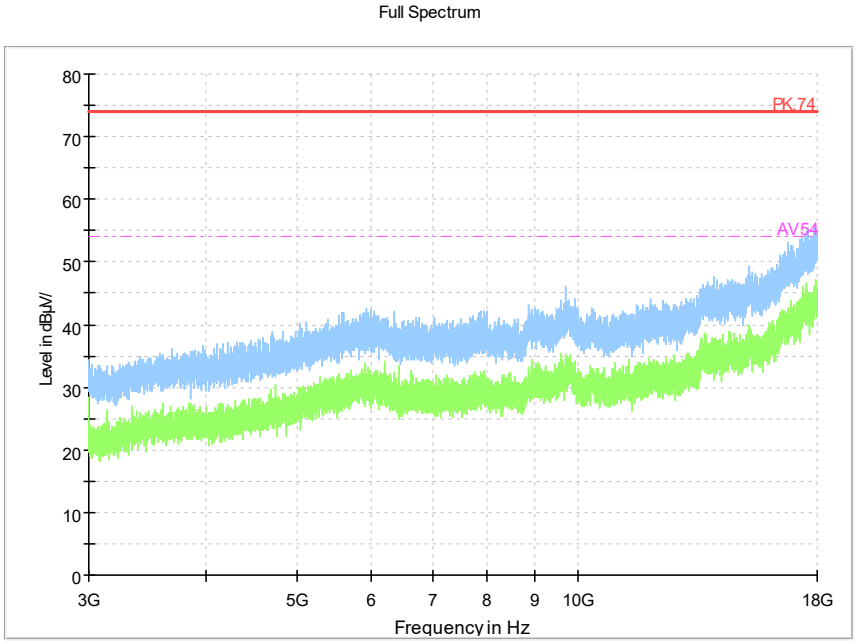
Channel No.:0



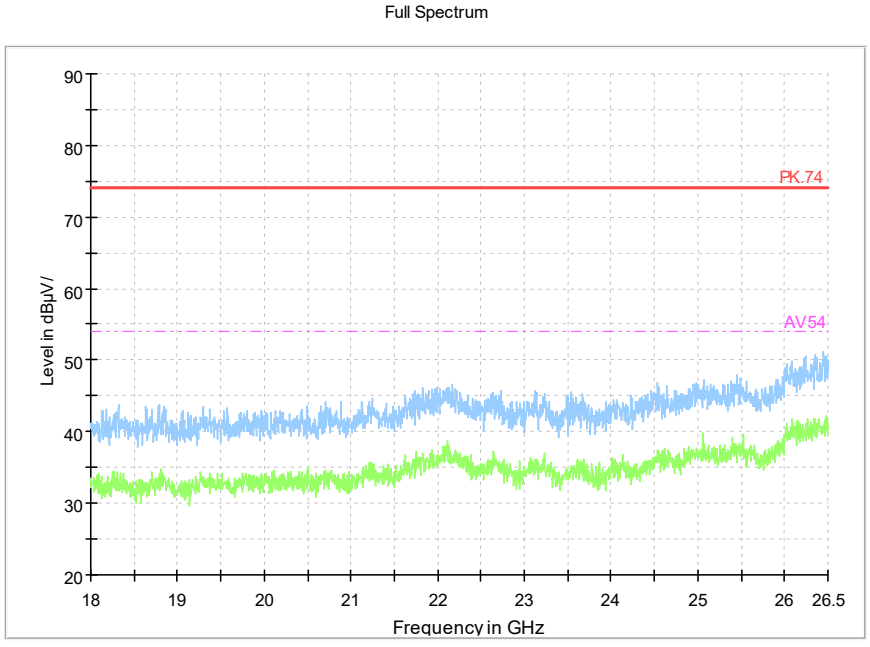
Frequency Range: 30MHz-1GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)



Frequency Range: 1GHz-3GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE2Mbps)

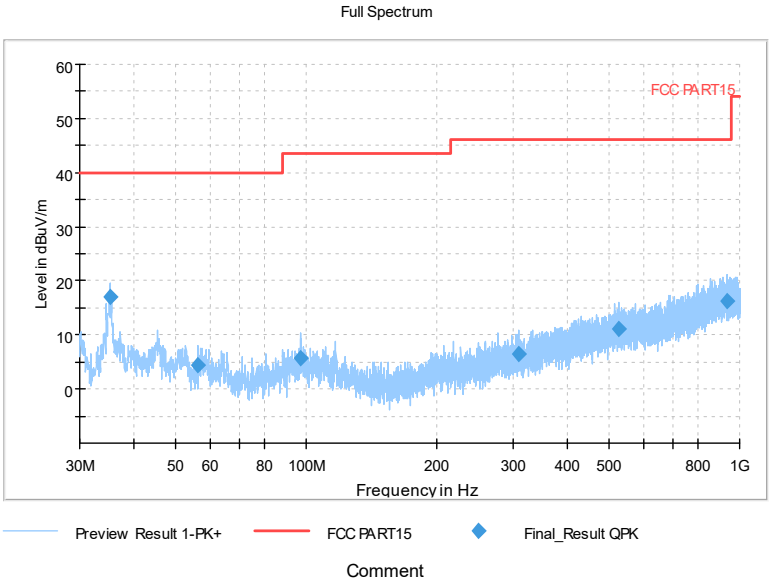


Frequency Range: 3GHz-18GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE2Mbps)

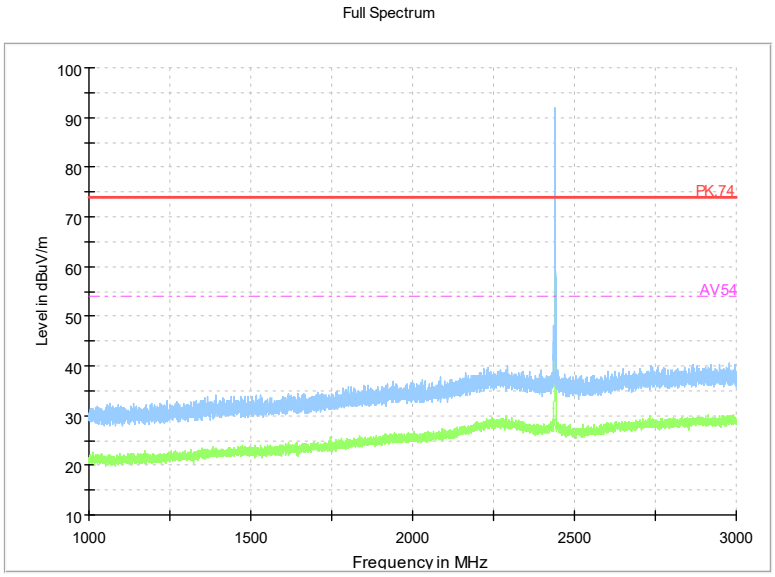


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE2Mbps)

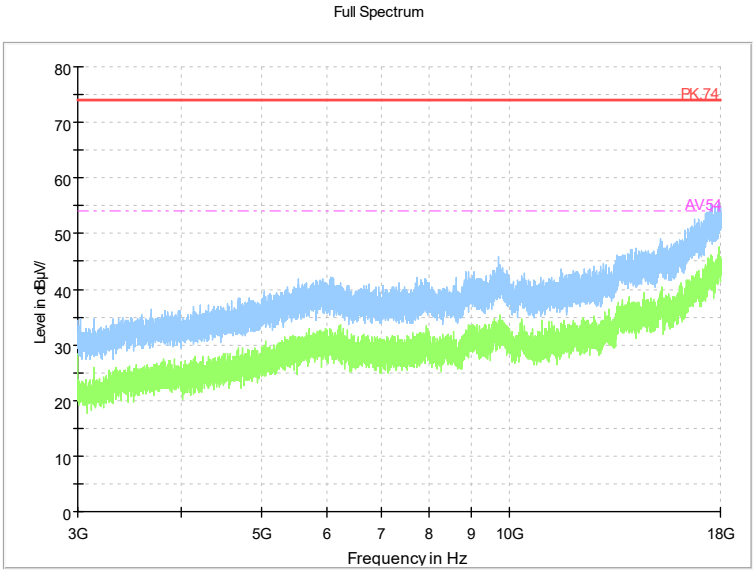
Channel No.:19



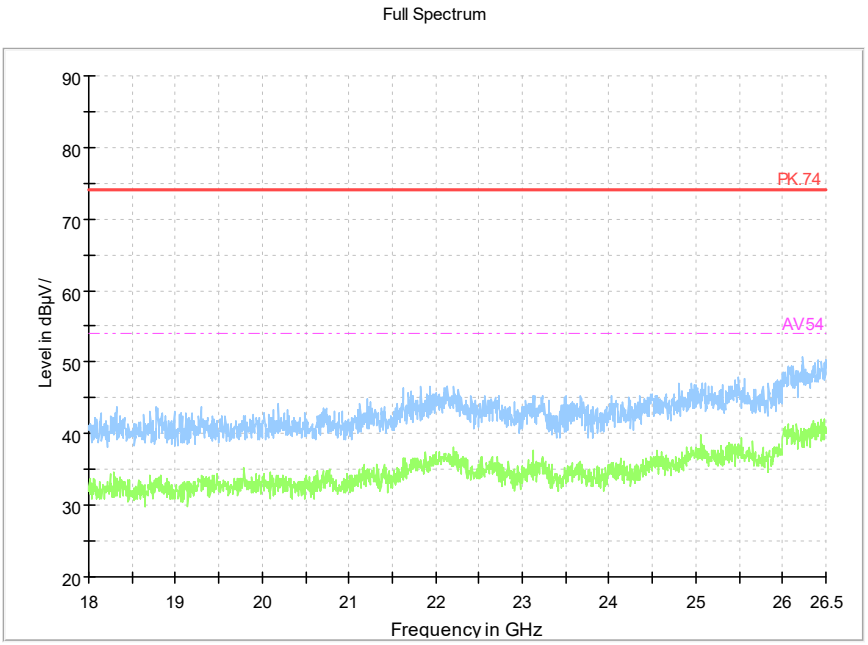
Frequency Range: 30MHz-1GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)



Frequency Range: 1GHz-3GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)

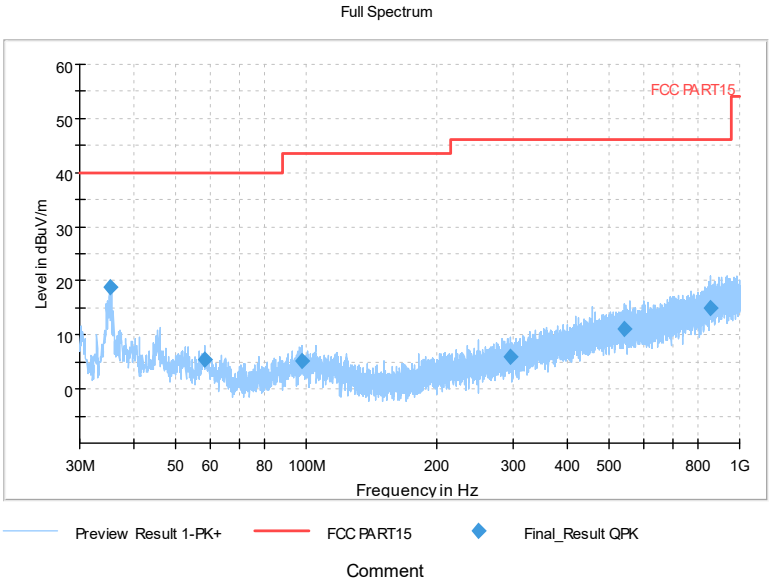


Frequency Range: 3GHz-18GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)

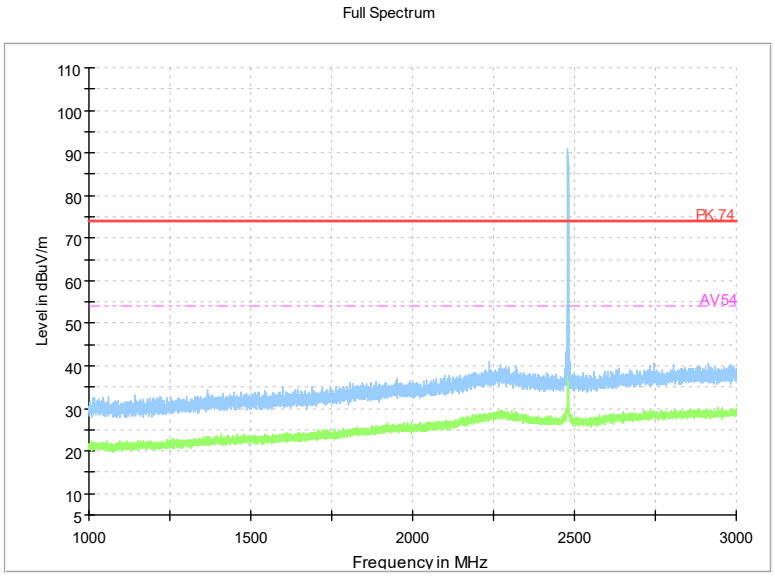


Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)

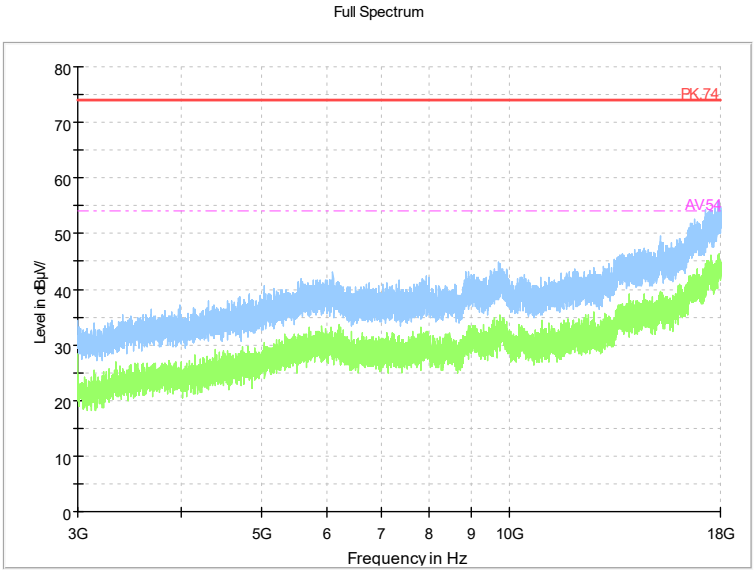
Channel No.:39



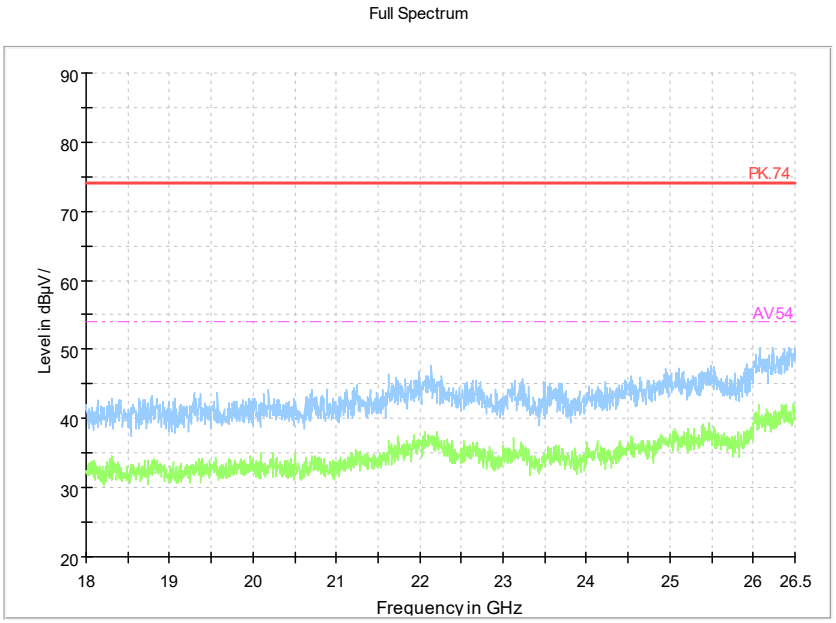
Frequency Range: 30MHz-1GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)



Frequency Range: 1GHz-3GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)



Frequency Range: 3GHz-18GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)



Frequency Range: 18GHz-26GHz
Detector: Av mode and PK mode
Modulation type: GFSK (LE 2Mbps)

---End of Test Report---