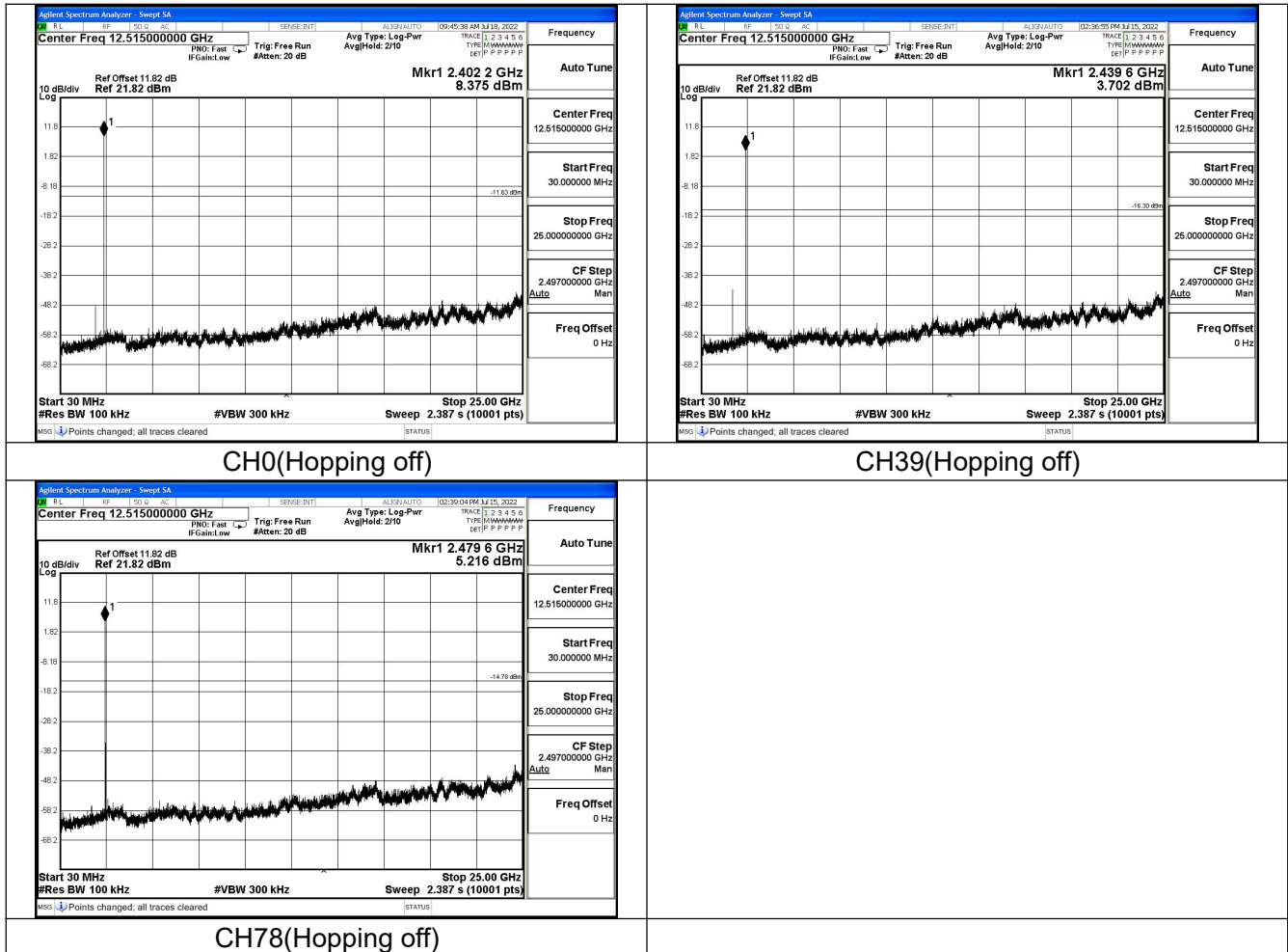
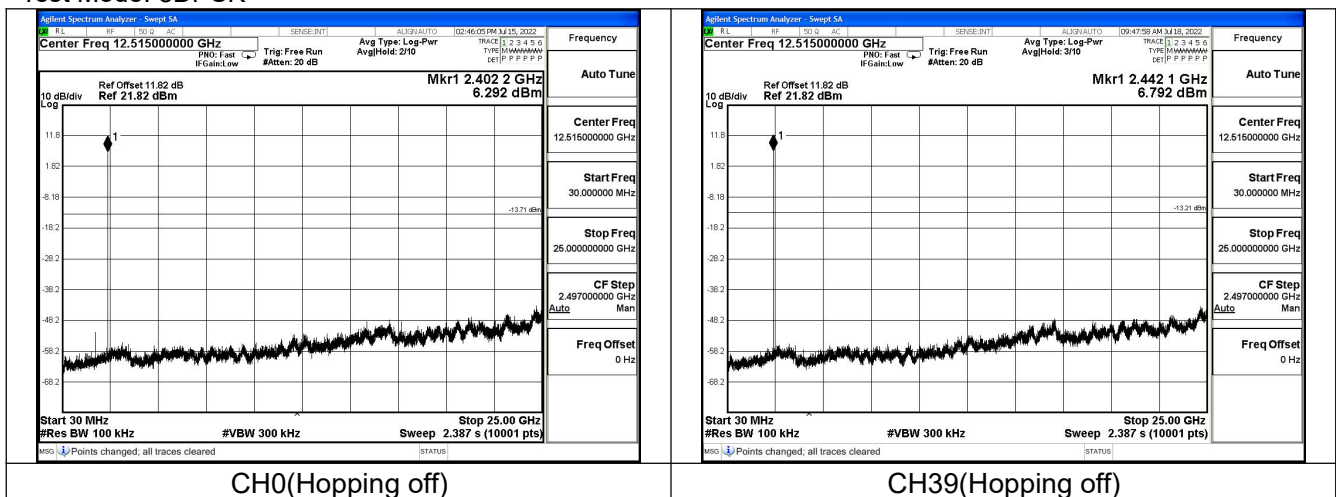
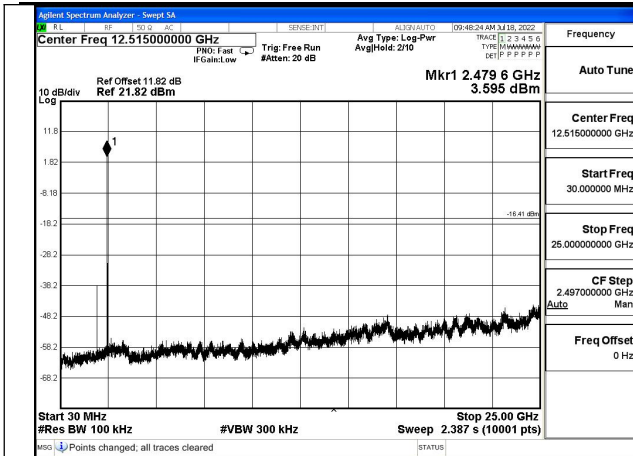


Test Mode: $\pi/4$ DQPSK



Test Mode: 8DPSK

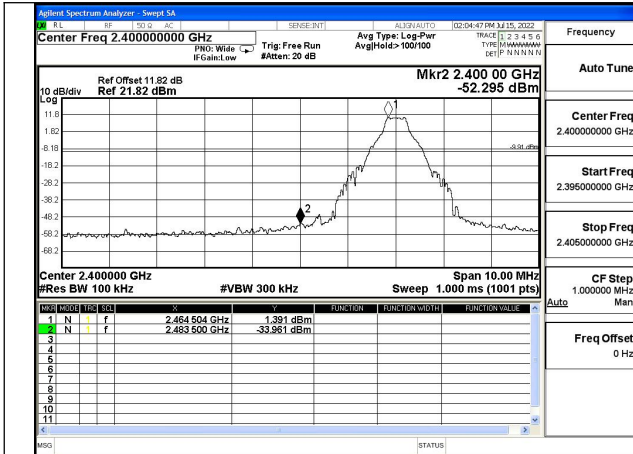




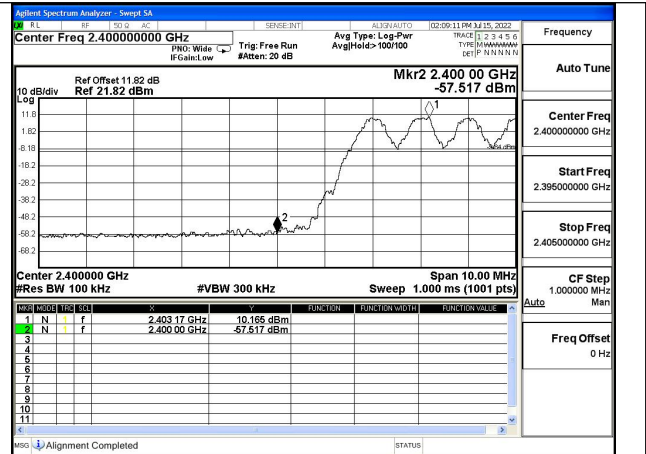
CH78(Hopping off)

7 Band Edge measurement

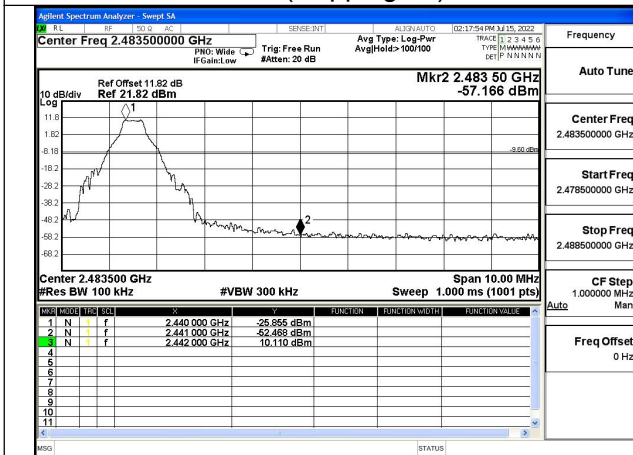
Test Mode: GFSK



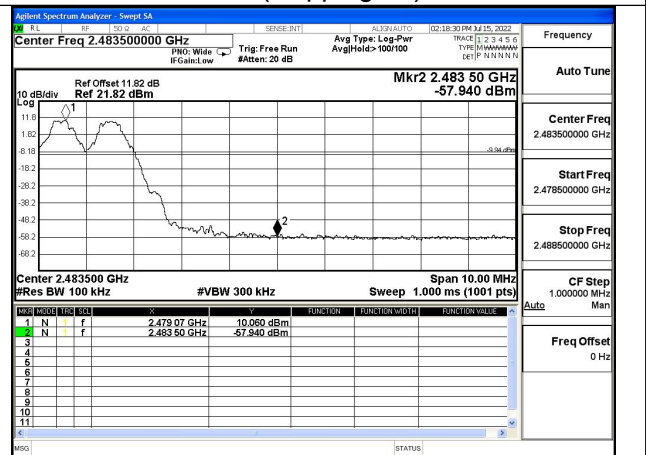
CH0(Hopping off)



CH0(Hopping on)

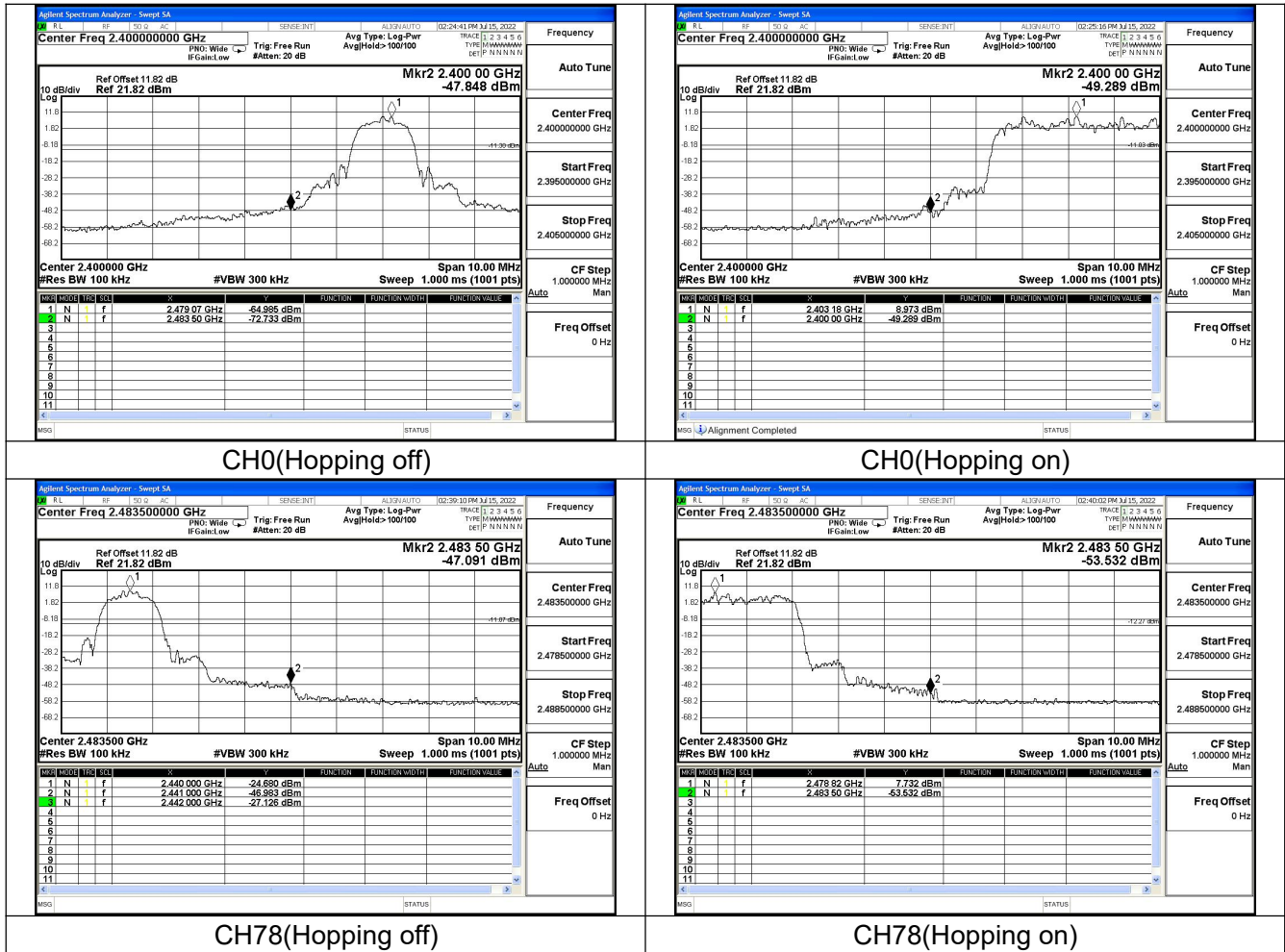


CH78(Hopping off)

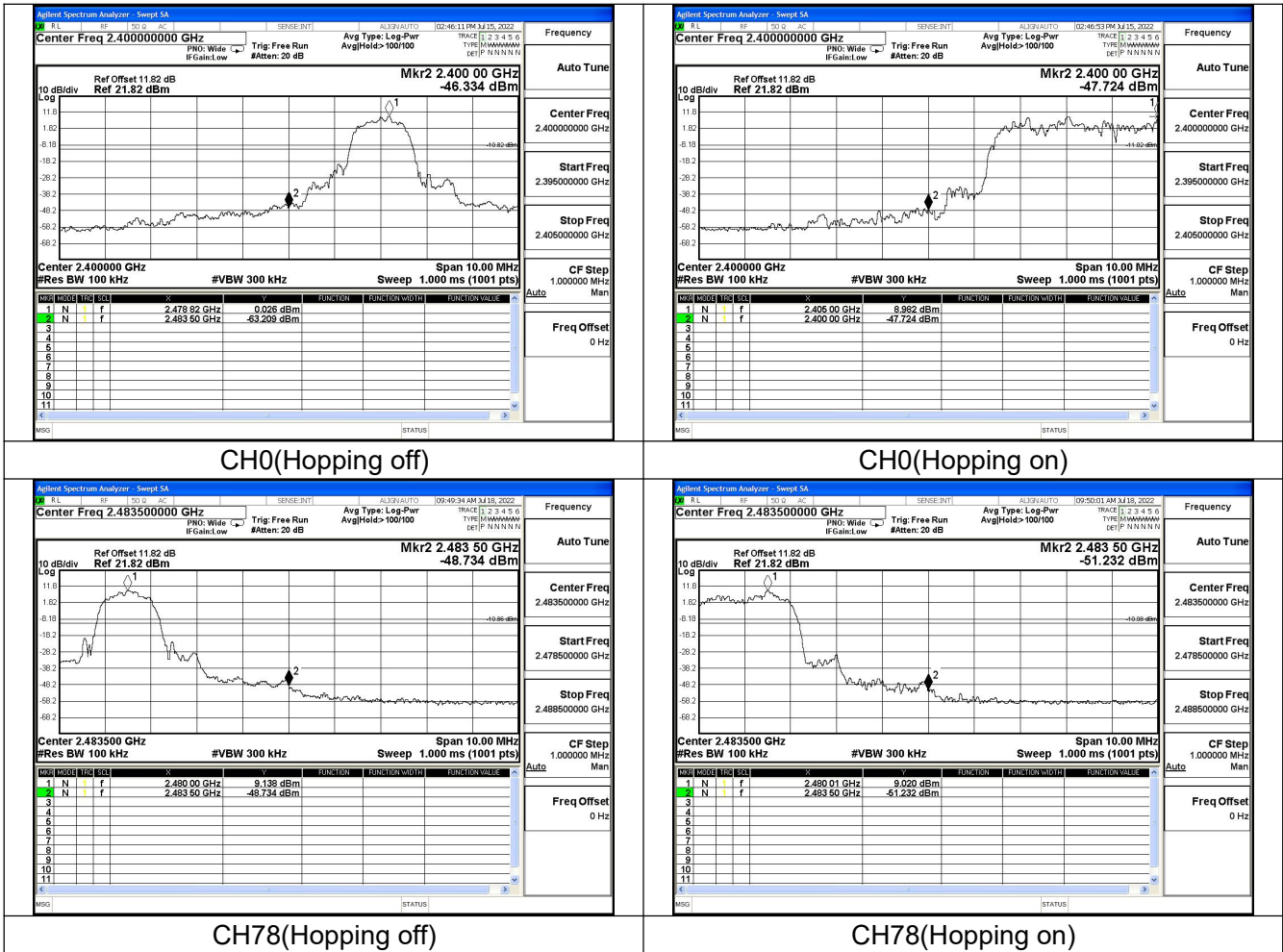


CH78(Hopping on)

Test Mode: $\pi/4$ DQPSK



Test Mode: 8DPSK



APPENDIX B – TEST DATA OF RADIATED EMISSION

Worst case(BT GFSK-DH5)

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: (89.30 dBuV/m) = (55.30 dBuV) + (8.90 dB) + (25.10 dB), the corresponding frequency is 2402MHz.

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

Note: There were no emissions above 18GHz found within 20dB of the limit. Thus the test result was not reported according to §15.31 (o)

BR-1Mbps

Carrier Frequency (MHz): 2402

Channel No.: 0

Test Mode: GFSK

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
2402.0	51.30	85.30	N/A	N/A	8.90	25.10
2390.0	17.90	51.90	-22.10	74.00	8.90	25.10

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
2402.0	36.50	70.50	N/A	N/A	8.90	25.10
2390.0	3.70	37.70	-16.30	54.00	8.90	25.10

Carrier Frequency (MHz): 2480

Channel No.: 78

Test Mode: GFSK

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
2480.0	54.90	88.90	N/A	N/A	8.90	25.10
2483.5	8.70	42.70	-31.30	74.00	8.90	25.10

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
2480.0	44.10	78.10	N/A	N/A	8.90	25.10
2483.5	-15.60	18.40	-35.60	54.00	8.90	25.10

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:

Below 1GHz:

QuasiPeak=Reading Value + A_{Rpl}

Above 1GHz:

MaxPeak=Reading MaxPeak + A_{Rpl}

OR

Average=Reading Average + A_{Rpl}

Sample calculation: (30.73 dB μ V/m) = (54.53 dB μ V) + (-23.80 dB/m), the corresponding frequency is 30.097MHz.

The worst case attitude: The mobile lay down.

Spurious Radiated Emissions below 30MHz:

There were no emissions from 9 kHz to 30MHz found within 20dB of the limit. Thus, the test result was not reported according to §15.31 (o).

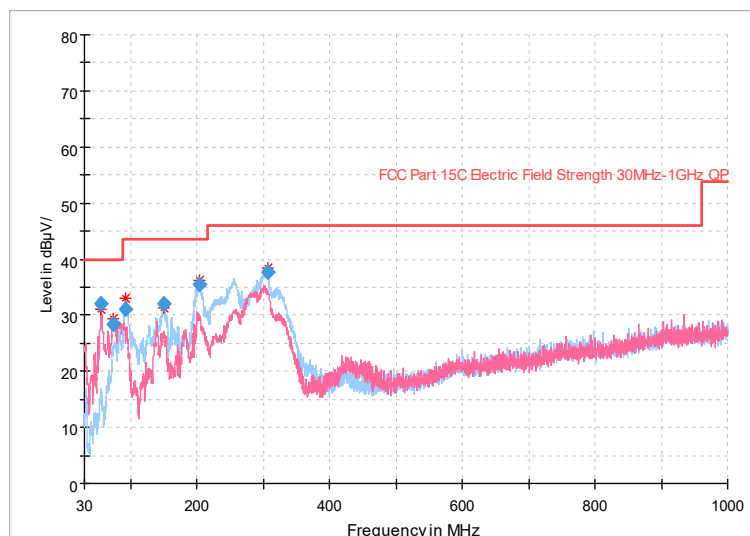
BR-1Mbps

Spurious Radiated Emissions from 30MHz to 1GHz:

GFSK:

CH Middle (No.39)

Full Spectrum



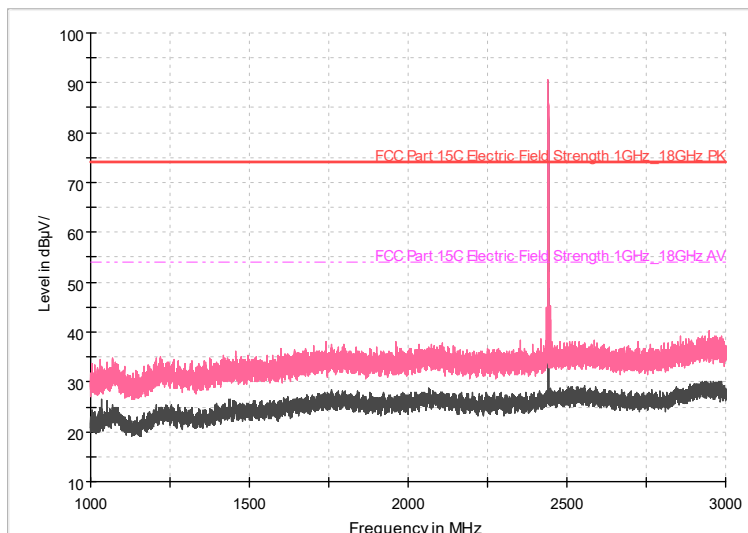
Frequency (MHz)	Reading (dBuV)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A_{Rpl} (dB)	Polarity
55.22	51.94	32.04	40	7.96	-19.9	Vertical
73.8925	53.40	28.5	40	11.5	-24.9	Vertical
92.3225	53.60	31.1	43.5	12.4	-22.5	Vertical
149.31	55.74	31.94	43.5	11.56	-23.8	Vertical
203.8725	55.71	35.41	43.5	8.1	-20.3	Vertical
306.6925	54.49	37.59	46	8.41	-16.9	Vertical

Spurious Radiated Emissions from 1GHz to 18GHz:

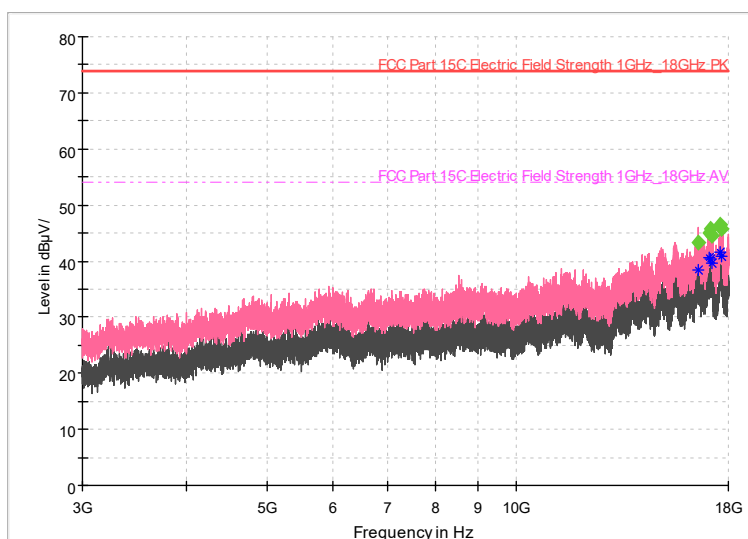
GFSK:

CH Middle (No.39)

Full Spectrum



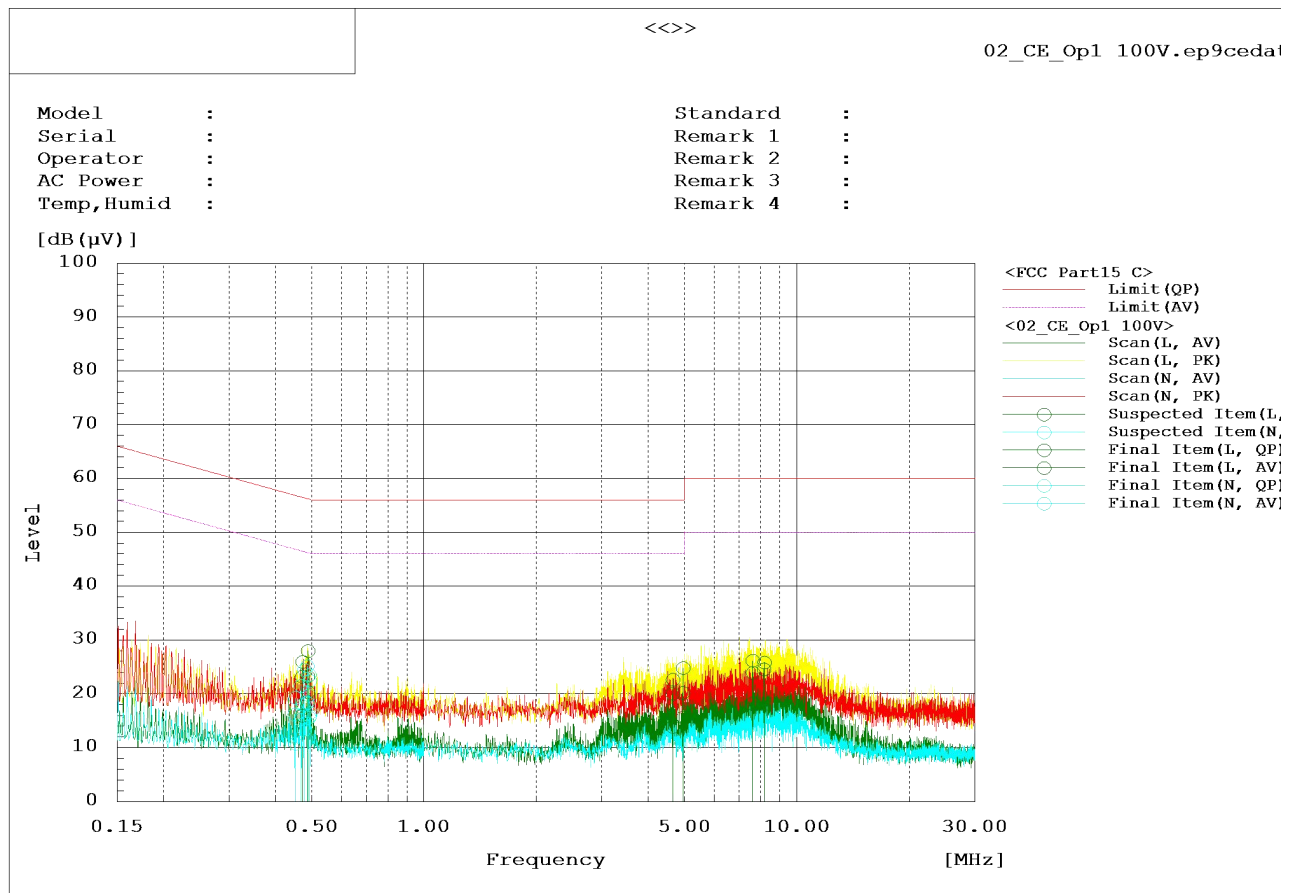
Full Spectrum



Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
16586.5	---	56.50	---	43.2	54	10.8	-13.3	Vertical
17098	---	56.84	---	45.04	54	8.96	-11.8	Vertical
17140	---	57.29	---	45.69	54	8.31	-11.6	Vertical
17196.5	---	56.09	---	44.49	54	9.51	-11.6	Vertical
17613	---	57.60	---	46.5	54	7.5	-11.1	Vertical
17646	---	56.97	---	45.87	54	8.13	-11.1	Vertical

AC Power line Conducted Emission

100V

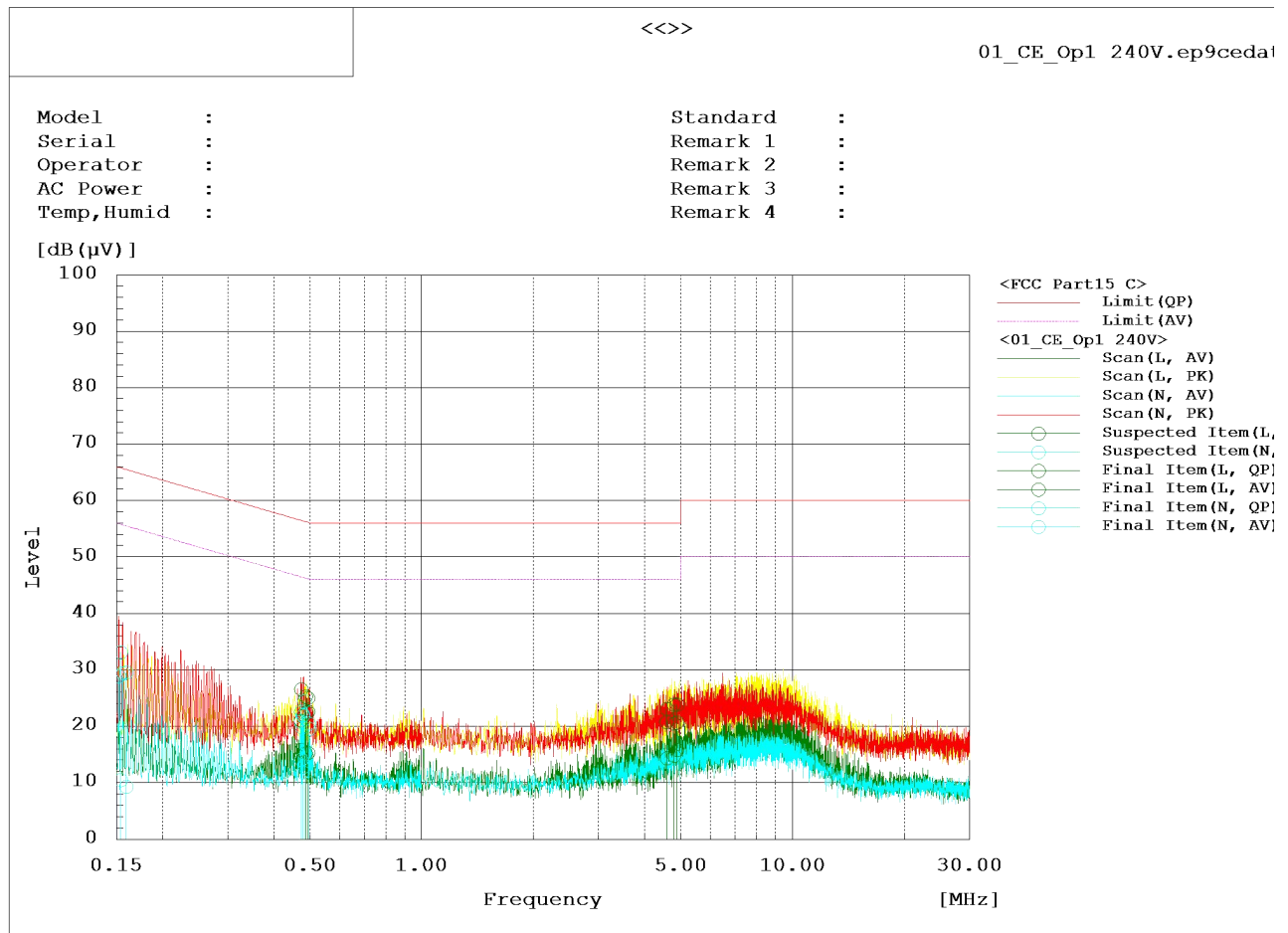


L+N Line

MEASUREMENT RESULT:

Range	Frequency	Line	Reading			Factor	Level			Limit	Limit			Margin			Pass/Fail
	MHz		dB(μV)			dB	dB(μV)			dB(μV)	dB(μV)			dB			
			QP	AV	PK		QP	AV	PK		QP	AV	PK	QP	AV	PK	
Band1	0.472	L	16	6		10	26	16			56.5	46.5		30.5	30.5		Pass
Band1	0.488	L	18	10.4		10	28	20.4			56.2	46.2		28.2	25.8		Pass
Band1	4.654	L	12.7	3.9		10	22.7	13.9			56	46		33.3	32.1		Pass
Band1	4.95	L	14.8	5.6		10	24.8	15.6			56	46		31.2	30.4		Pass
Band1	7.602	L	16.2	8.2		10	26.2	18.2			60	50		33.8	31.8		Pass
Band1	8.184	L	15.8	8.1		10	25.8	18.1			60	50		34.2	31.9		Pass
Band1	0.452	N	9.2	0.7		10.1	19.3	10.8			56.8	46.8		37.5	36		Pass
Band1	0.467	N	11.5	5.3		10	21.5	15.3			56.6	46.6		35.1	31.3		Pass
Band1	0.478	N	14.5	3.4		10	24.5	13.4			56.4	46.4		31.9	33		Pass
Band1	0.486	N	15.2	8.4		10	25.2	18.4			56.2	46.2		31	27.8		Pass
Band1	0.493	N	12.4	5.9		10	22.4	15.9			56.1	46.1		33.7	30.2		Pass
Band1	0.492	N	13.5	5.6		10	23.5	15.6			56.1	46.1		32.6	30.5		Pass

240V



L+N Line

MEASUREMENT RESULT:

Range	Frequency	Line	Reading			Factor	Level			Limit	Limit			Margin			Pass/Fail
			dB(μV)				dB	dB(μV)			dB(μV)	dB(μV)			dB		
			QP	AV	PK			QP	AV			PK	QP	AV		PK	
Band1	0.154	N	22.9	0.3		10.2	33.1	10.5			65.8	55.8		32.7	45.3		Pass
Band1	0.16	N	19.3	-0.9		10.2	29.5	9.3			65.5	55.5		36	46.2		Pass
Band1	0.473	N	12.6	4.1		10	22.6	14.1			56.5	46.5		33.9	32.4		Pass
Band1	0.478	N	11.9	1.9		10	21.9	11.9			56.4	46.4		34.5	34.5		Pass
Band1	0.483	N	14.5	2.9		10	24.5	12.9			56.3	46.3		31.8	33.4		Pass
Band1	0.495	N	10.5	2.3		10	20.5	12.3			56.1	46.1		35.6	33.8		Pass
Band1	0.473	L	16.6	5.9		10	26.6	15.9			56.5	46.5		29.9	30.6		Pass
Band1	0.486	L	15.3	5.2		10	25.3	15.2			56.2	46.2		30.9	31		Pass
Band1	0.494	L	15	5.3		10	25	15.3			56.1	46.1		31.1	30.8		Pass
Band1	4.577	L	13.1	4.3		10	23.1	14.3			56	46		32.9	31.7		Pass
Band1	4.786	L	13.8	4.8		10	23.8	14.8			56	46		32.2	31.2		Pass
Band1	4.879	L	13.9	5.8		10	23.9	15.8			56	46		32.1	30.2		Pass

---End of Test Report---