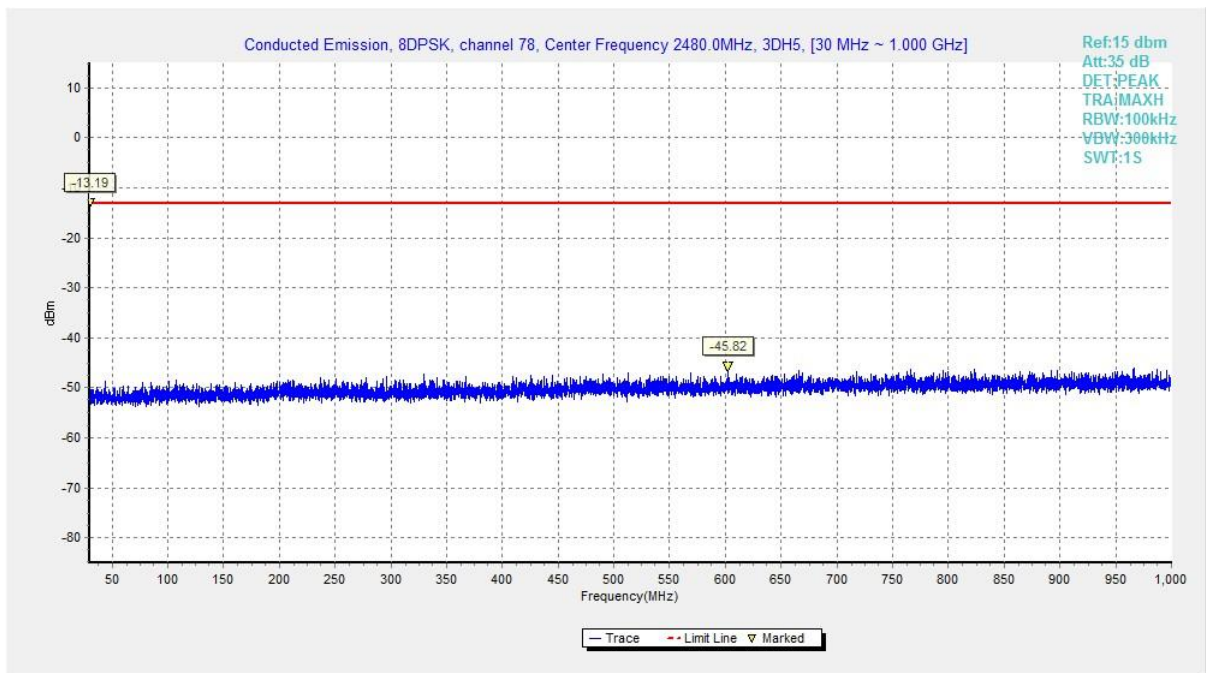


**Fig. 39 Conducted Spurious Emission (8DPSK, Ch78, 3GHz-10 GHz)**



**Fig. 40 Conducted Spurious Emission (All channel, 30 MHz-1 GHz)**

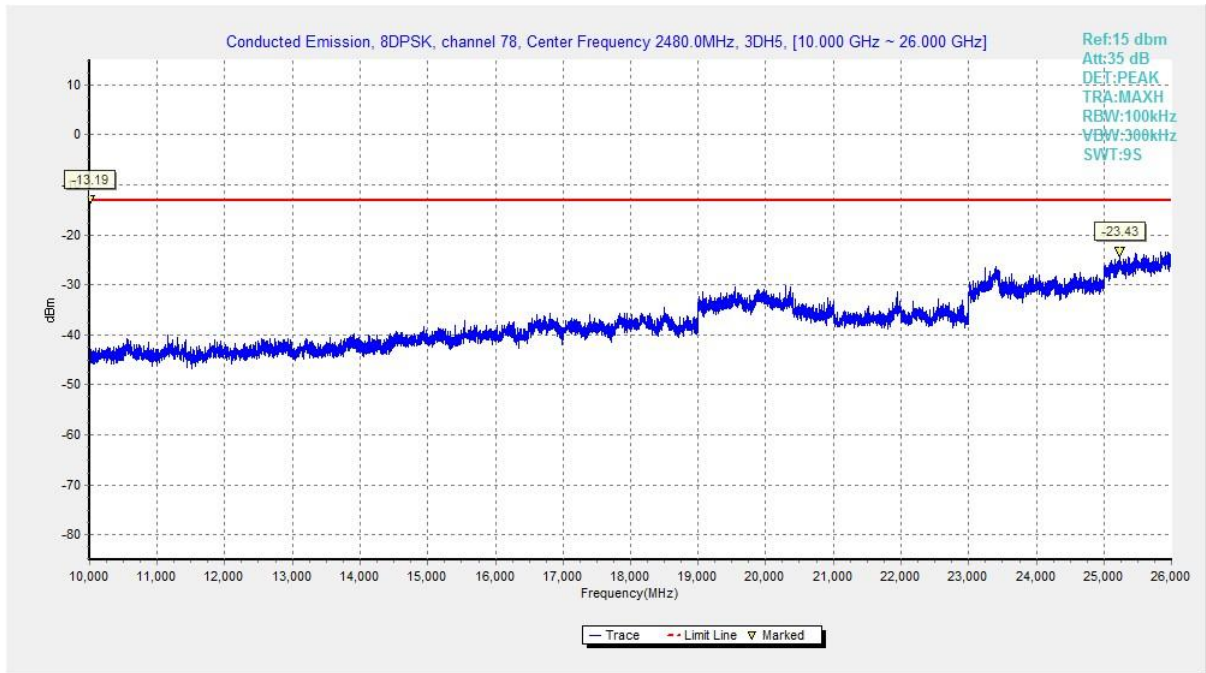


Fig. 41 Conducted Spurious Emission All channel, 10GHz-26 GHz)

## A.4 Radiated Emission

### Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

### Limit in restricted band:

Frequency of emission (MHz)	Field strength ( $\mu\text{V}/\text{m}$ )	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

### Test Condition:

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Frequency of emission (MHz)	RBW/VBW	Sweep Time (s)
30-1000	120kHz/300kHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

Note: According to the performance evaluation, the radiated emission margin of EUT is over 20dB in the band from 9kHz to 30MHz. Therefore, the measurement starts from 30MHz to tenth harmonic.

The measurement results include the horizontal polarization and vertical polarization measurements.

**Measurement Results:**

Mode	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	1 GHz ~ 3 GHz	Fig.42	P
		3 GHz ~ 18 GHz	Fig.43	P
	39	1 GHz ~ 3 GHz	Fig.44	P
		3 GHz ~ 18 GHz	Fig.45	P
	78	1 GHz ~ 3 GHz	Fig.46	P
		3 GHz ~ 18 GHz	Fig.47	P
Restricted Band(CH0)	2.38 GHz ~ 2.45 GHz	Fig.48	P	
Restricted Band (CH78)	2.45 GHz ~ 2.5 GHz	Fig.49	P	
$\pi/4$ DQPSK	0	1 GHz ~ 3 GHz	Fig.50	P
		3 GHz ~ 18 GHz	Fig.51	P
	39	1 GHz ~ 3 GHz	Fig.52	P
		3 GHz ~ 18 GHz	Fig.53	P
	78	1 GHz ~ 3 GHz	Fig.54	P
		3 GHz ~ 18 GHz	Fig.55	P
Restricted Band (CH0)	2.38 GHz ~ 2.45 GHz	Fig.56	P	
Restricted Band (CH78)	2.45 GHz ~ 2.5 GHz	Fig.57	P	
8DPSK	0	1 GHz ~ 3 GHz	Fig.58	P
		3 GHz ~ 18 GHz	Fig.59	P
	39	1 GHz ~ 3 GHz	Fig.60	P
		3 GHz ~ 18 GHz	Fig.61	P
	78	1 GHz ~ 3 GHz	Fig.62	P
		3 GHz ~ 18 GHz	Fig.63	P
Restricted Band (CH0)	2.38 GHz ~ 2.45 GHz	Fig.64	P	
Restricted Band (CH78)	2.45 GHz ~ 2.5 GHz	Fig.65	P	
/	All channels	9 kHz ~ 30 MHz	Fig.66	P
		30 MHz ~ 1 GHz	Fig.67	P
		18 GHz ~ 26.5 GHz	Fig.68	P

**Worst Case Result**  
**GFSK CH39 (3-18GHz)**

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
10453.50	45.70	74.00	28.30	H	5.0
11847.00	46.68	74.00	27.32	H	6.7
12584.50	47.71	74.00	26.29	V	7.7
14502.50	48.89	74.00	25.11	H	11.5
16507.00	51.87	74.00	22.13	H	14.7
17923.00	52.79	74.00	21.21	V	16.2

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
4803.50	35.52	54.00	18.48	H	-1.1
11584.50	34.86	54.00	19.14	H	6.6
12965.00	35.73	54.00	18.27	H	8.5
14505.00	37.37	54.00	16.63	H	11.5
17099.50	39.29	54.00	14.71	H	15.1
17909.50	40.06	54.00	13.94	H	16.3

 **$\pi/4$  DQPSK CH39 (3-18GHz)**

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
9849.50	46.08	74.00	27.92	H	4.5
11270.50	46.18	74.00	27.82	H	5.5
12569.50	47.85	74.00	26.15	V	7.8
14637.00	48.52	74.00	25.48	H	11.3
16555.50	51.43	74.00	22.57	H	14.7
17811.50	51.97	74.00	22.03	H	16.2

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
4882.00	36.35	54.00	17.65	V	-0.9
9764.00	37.11	54.00	16.89	H	4.1
12973.00	35.31	54.00	18.69	H	8.4
14500.50	37.26	54.00	16.74	V	11.5
16912.00	39.30	54.00	14.70	H	15.1
17902.50	39.77	54.00	14.23	V	16.3

**8DPSK CH39 (3-18GHz)**

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
10421.00	45.94	74.00	28.06	H	5.1
11933.00	46.83	74.00	27.17	H	7.0
13161.00	47.25	74.00	26.75	V	8.5
14546.00	48.73	74.00	25.27	V	11.4
17957.50	51.11	74.00	22.89	V	16.1
16546.00	51.92	74.00	22.08	V	14.7

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
4860.00	35.68	54.00	18.32	V	-1.0
11553.00	34.38	54.00	19.62	H	6.5
12954.50	35.01	54.00	18.99	H	8.6
14494.00	37.09	54.00	16.91	H	11.4
16134.50	38.65	54.00	15.35	H	14.2
17891.00	39.85	54.00	14.15	V	16.2

Note:

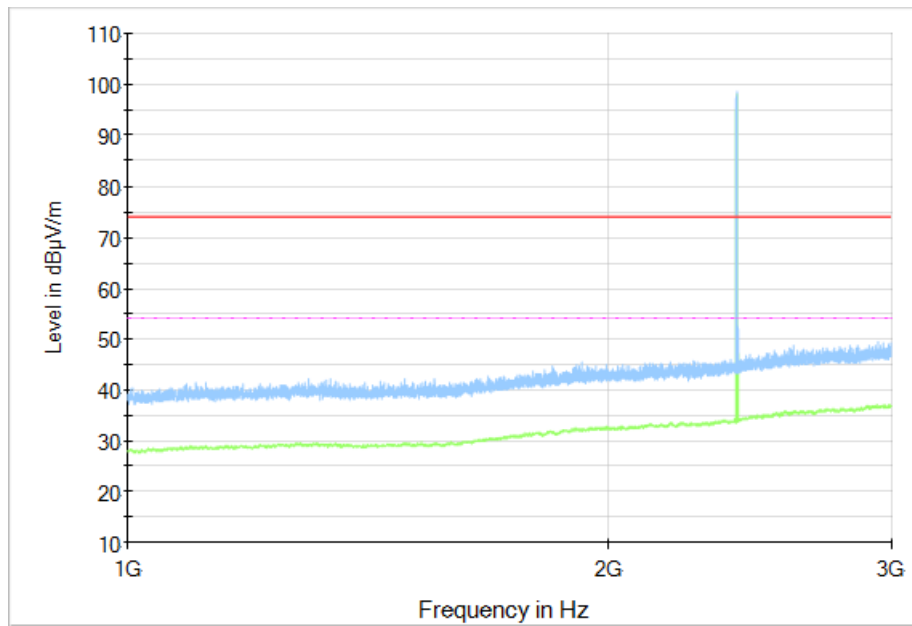
A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss", and Antenna Factor, the gain of the preamplifier, the cable loss.  $P_{Mea}$  is the field strength recorded from the instrument.

The measurement results are obtained as described below:

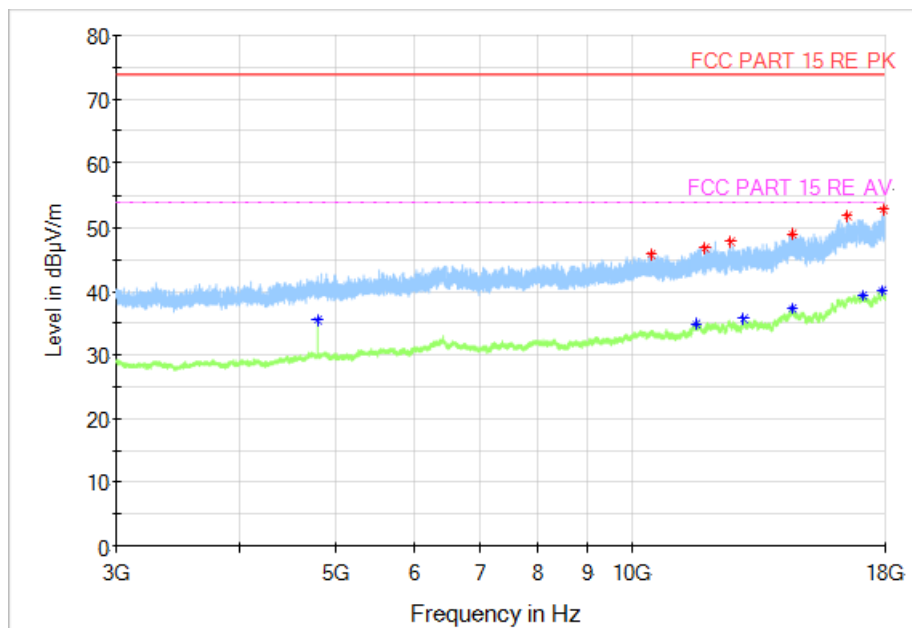
Result =  $P_{Mea}$  + Cable Loss + Antenna Factor - Gain of the preamplifier

**See below for test graphs.**

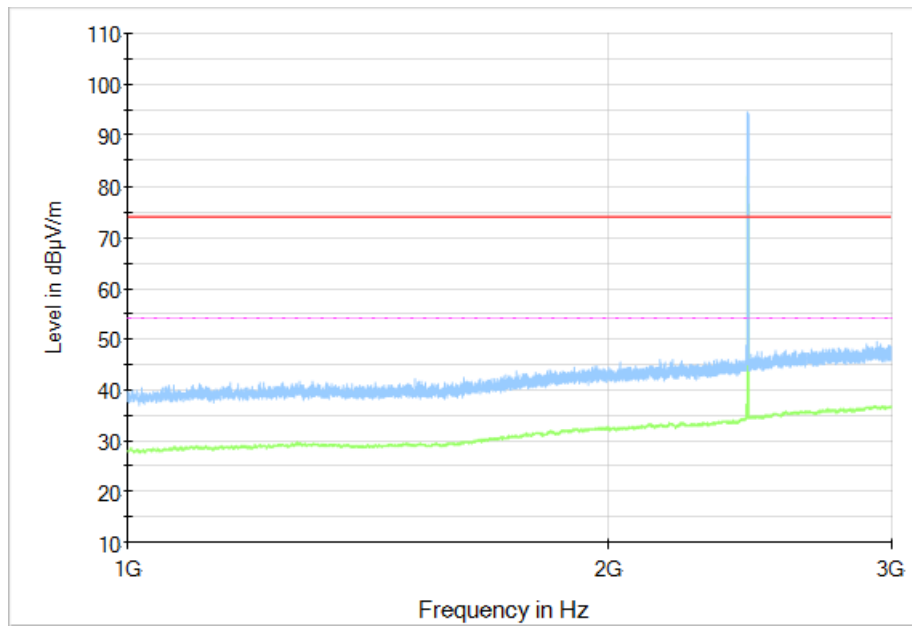
**Conclusion: Pass**



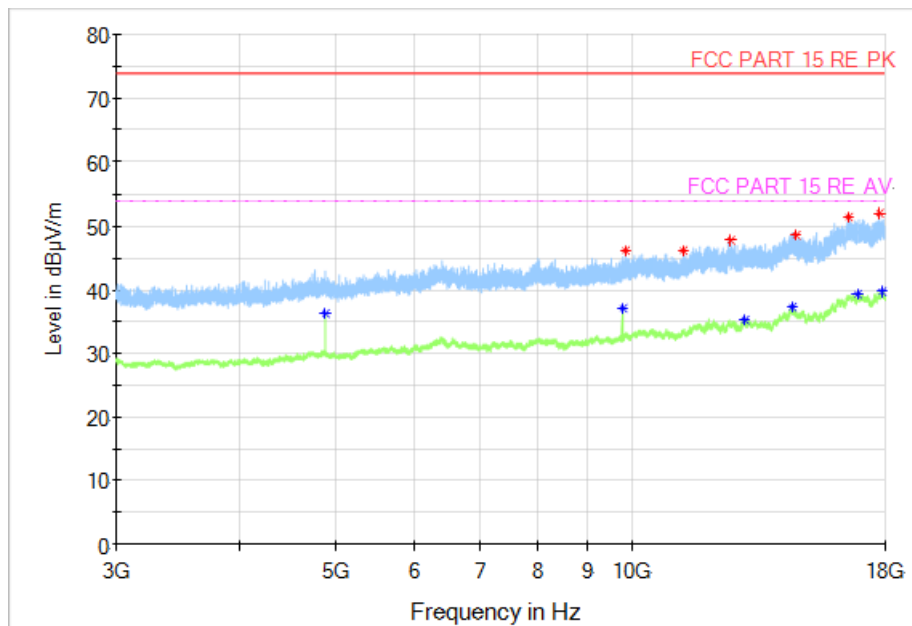
**Fig. 42 Radiated Spurious Emission (GFSK, Ch0, 1GHz ~ 3GHz)**



**Fig. 43 Radiated Spurious Emission (GFSK, Ch0, 3GHz ~ 18GHz)**

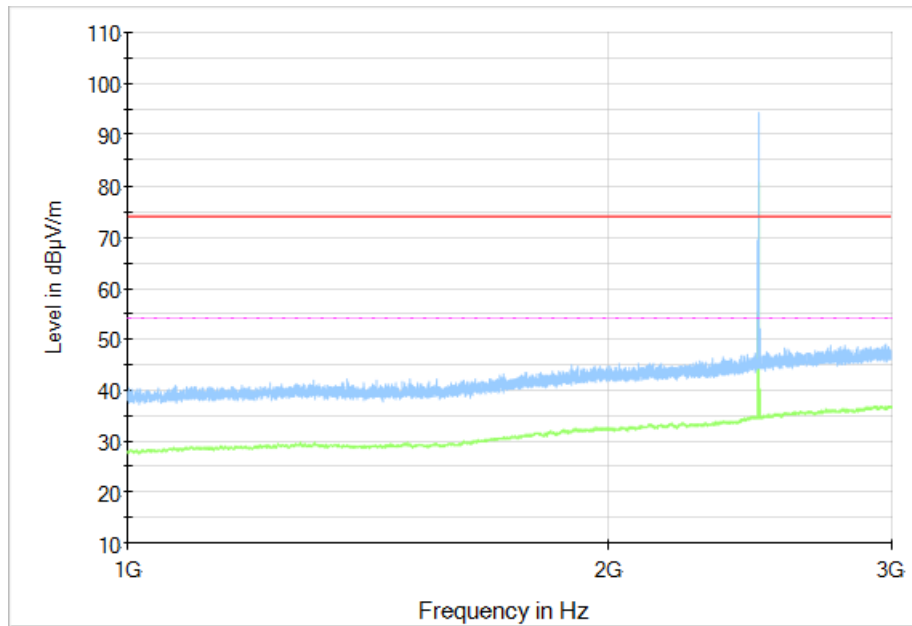


**Fig. 44 Radiated Spurious Emission (GFSK, Ch39, 1GHz ~ 3GHz)**

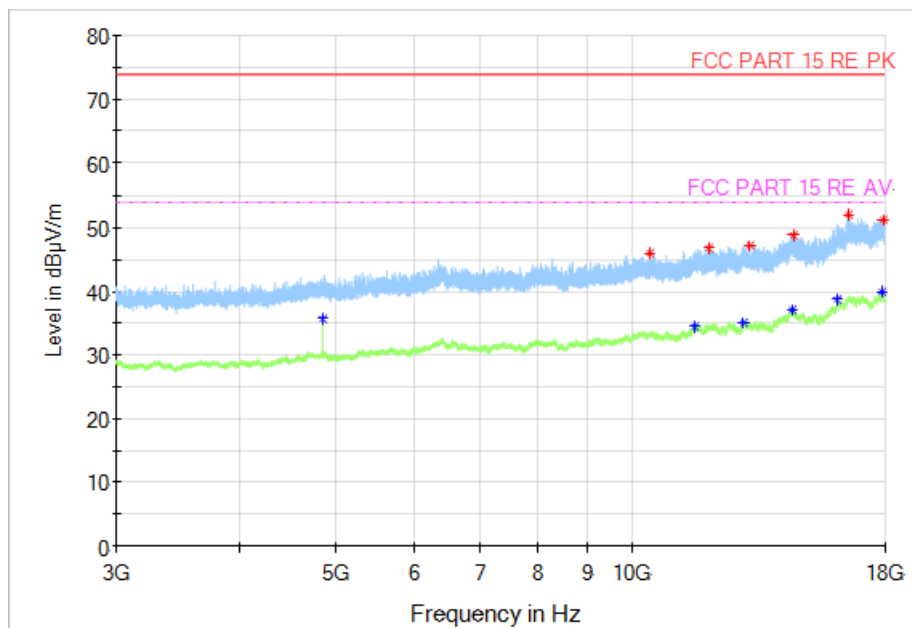


**Fig. 45 Radiated Spurious Emission (GFSK, Ch39, 3GHz ~ 18GHz)**

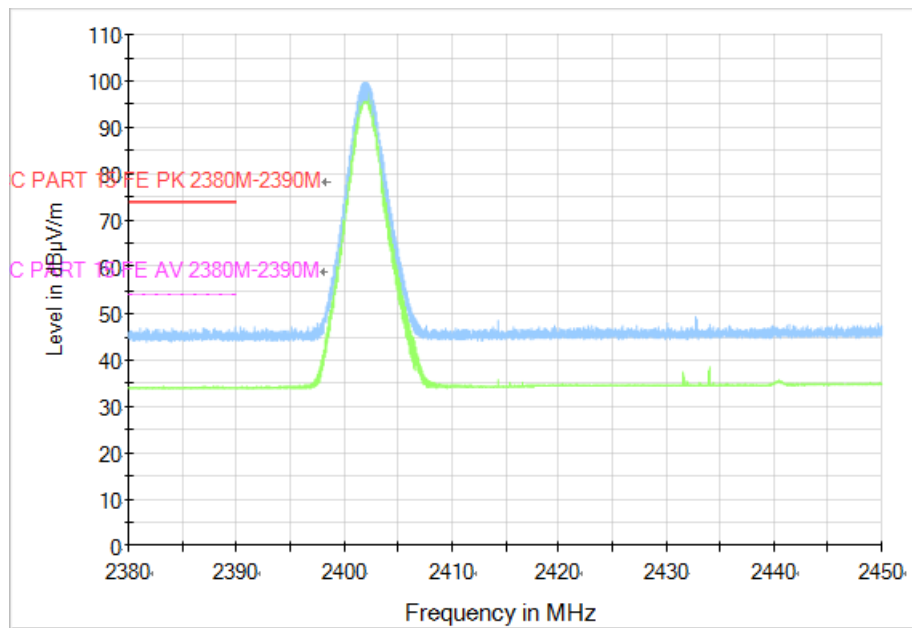




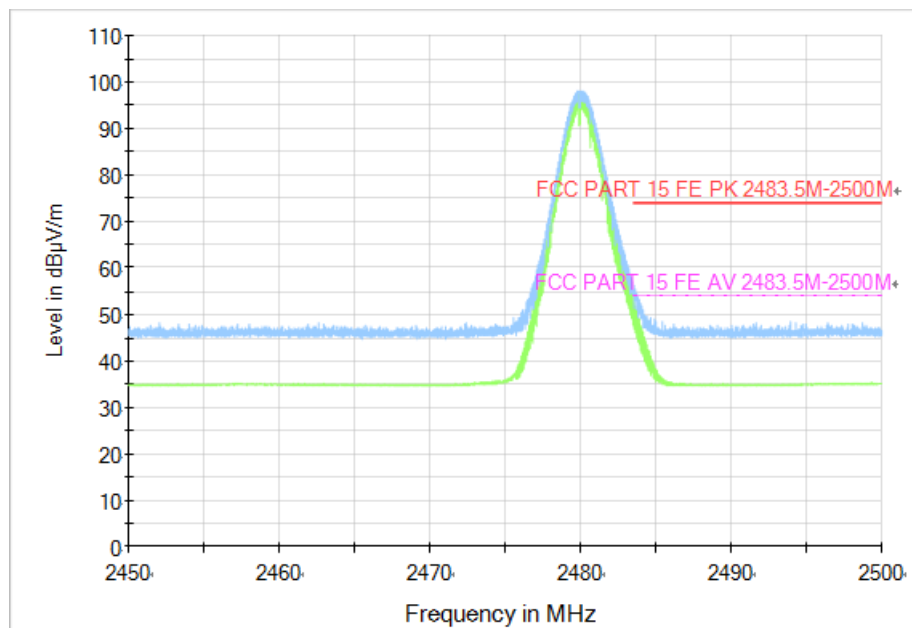
**Fig. 46 Radiated Spurious Emission (GFSK, Ch78, 1GHz ~ 3GHz)**



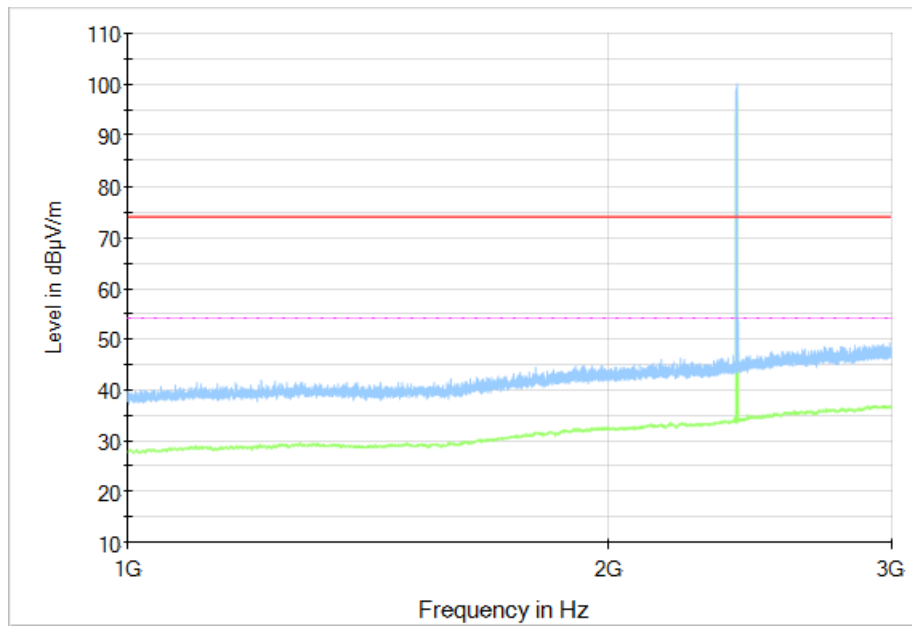
**Fig. 47 Radiated Spurious Emission (GFSK, Ch78, 3GHz ~ 18GHz)**



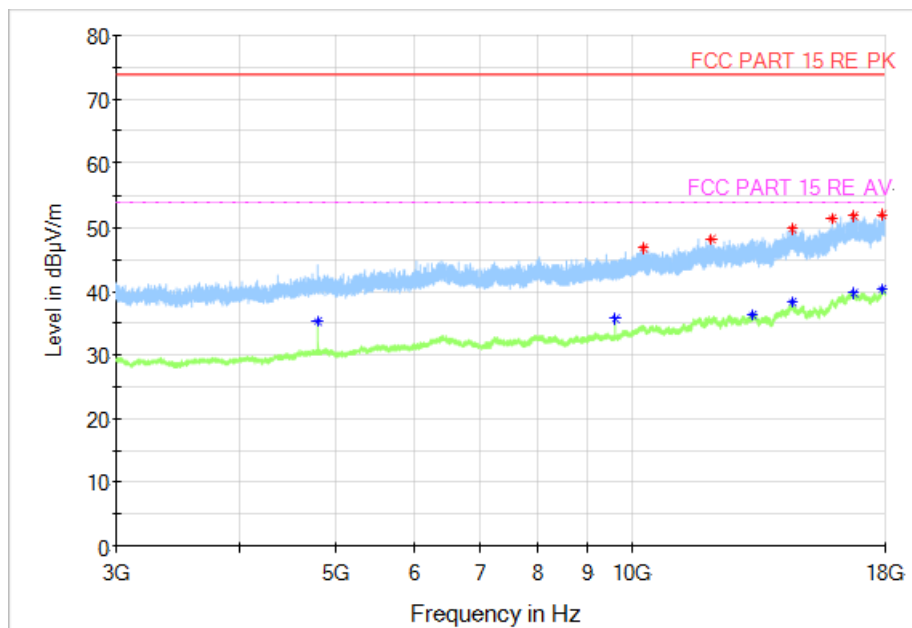
**Fig. 48 Radiated Band Edges (GFSK, Ch0, 2380GHz ~ 2450GHz)**



**Fig. 49 Radiated Band Edges (GFSK, Ch78, 2450GHz ~ 2500GHz)**



**Fig. 50 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch0, 1GHz ~ 3GHz)**



**Fig. 51 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch0, 3GHz ~ 18GHz)**

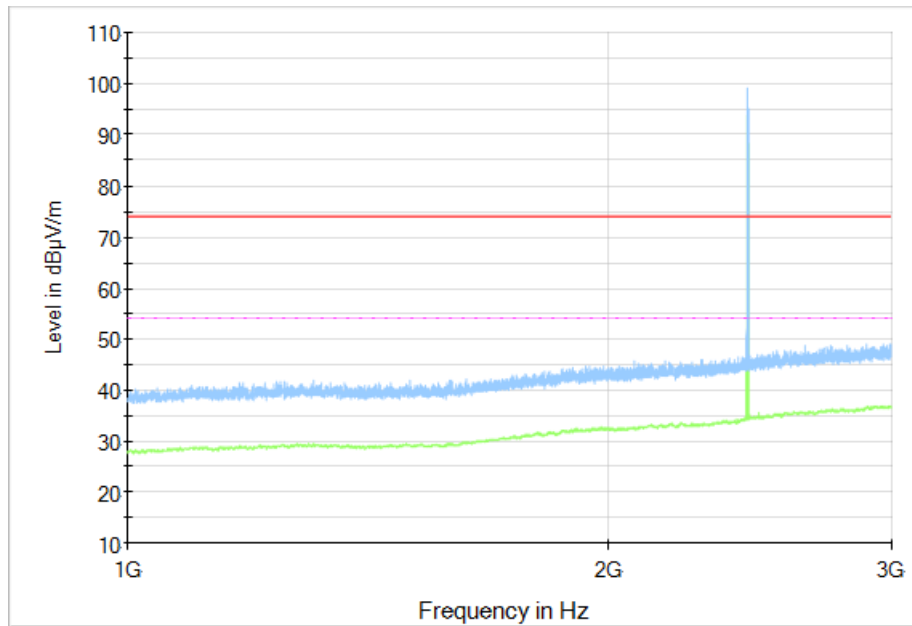


Fig. 52 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch39, 1GHz ~ 3GHz)

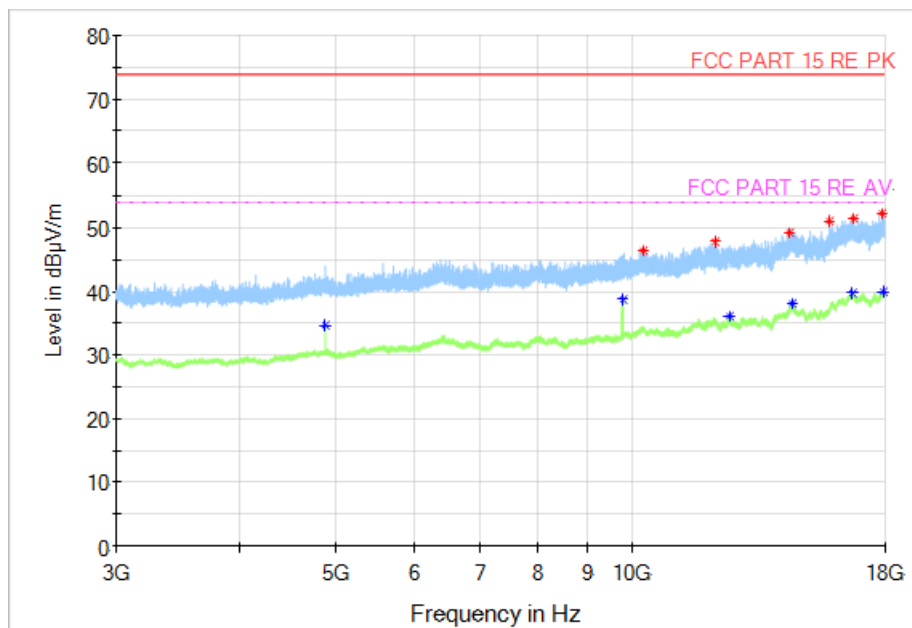
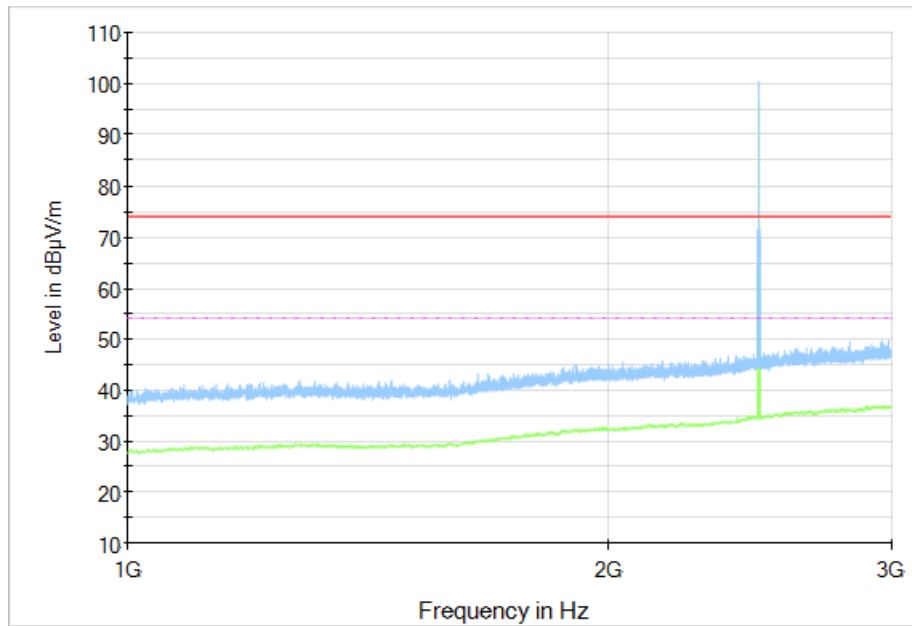
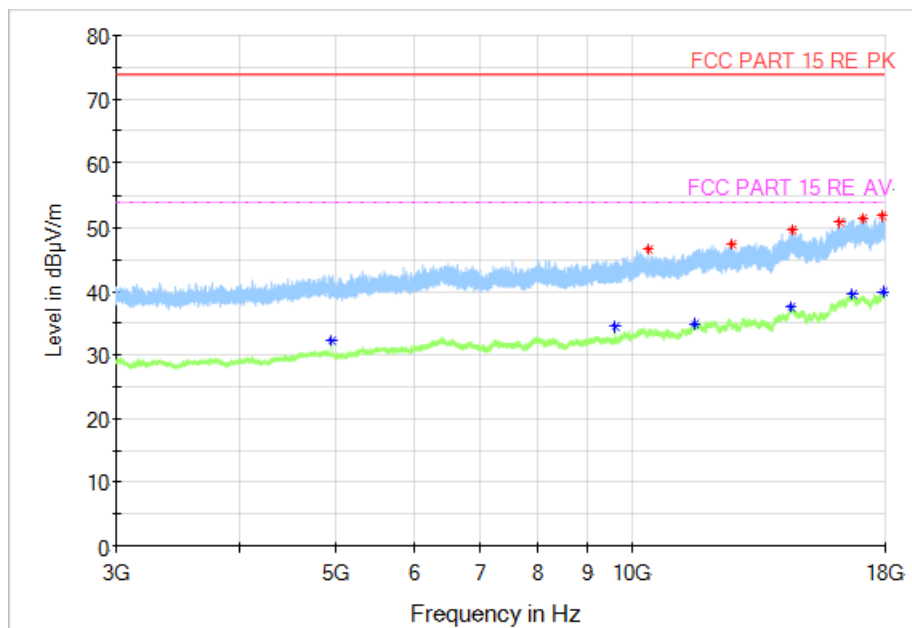


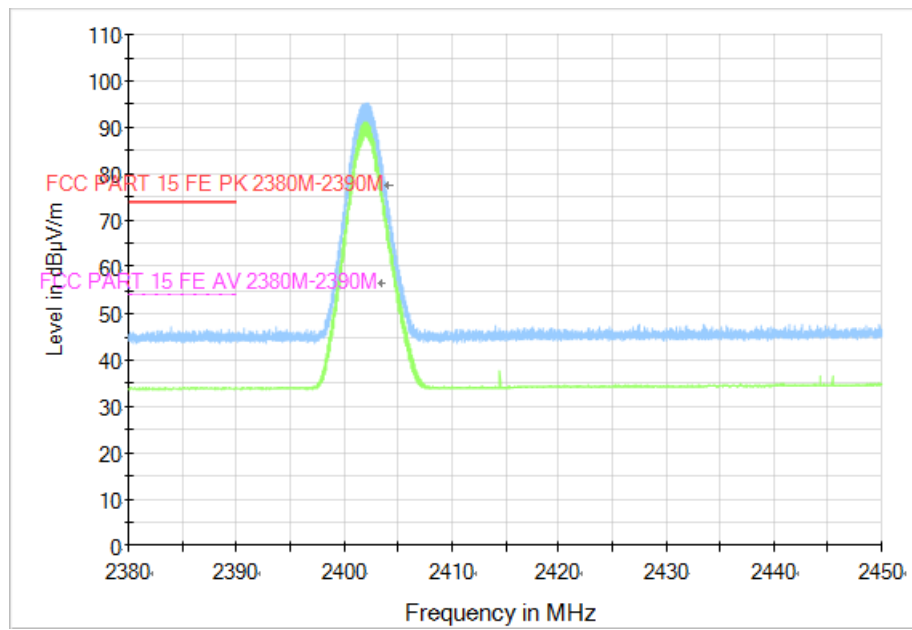
Fig. 53 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch39, 3GHz ~ 18GHz)



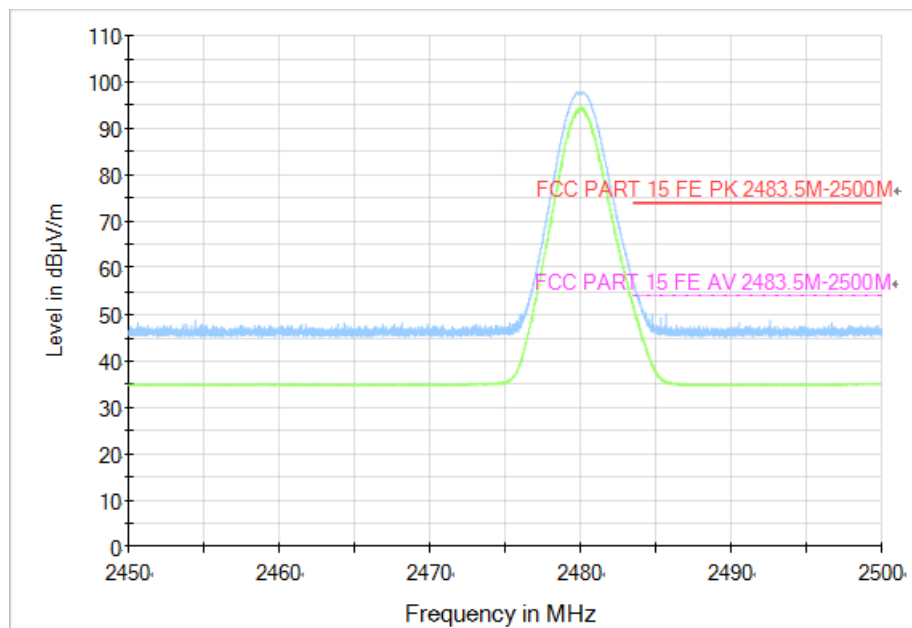
**Fig. 54 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch78, 1GHz ~ 3GHz)**



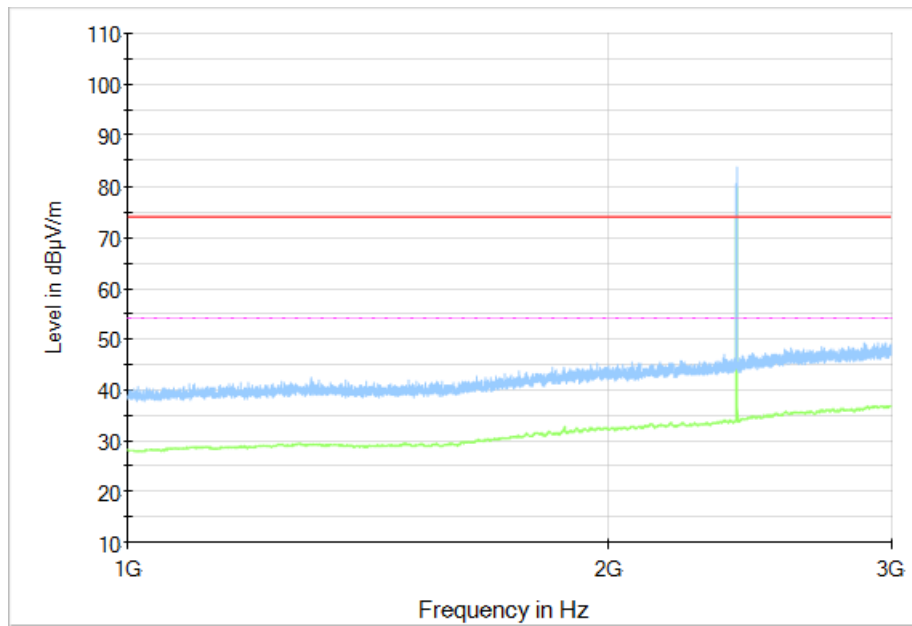
**Fig. 55 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch78, 3GHz ~ 18GHz)**



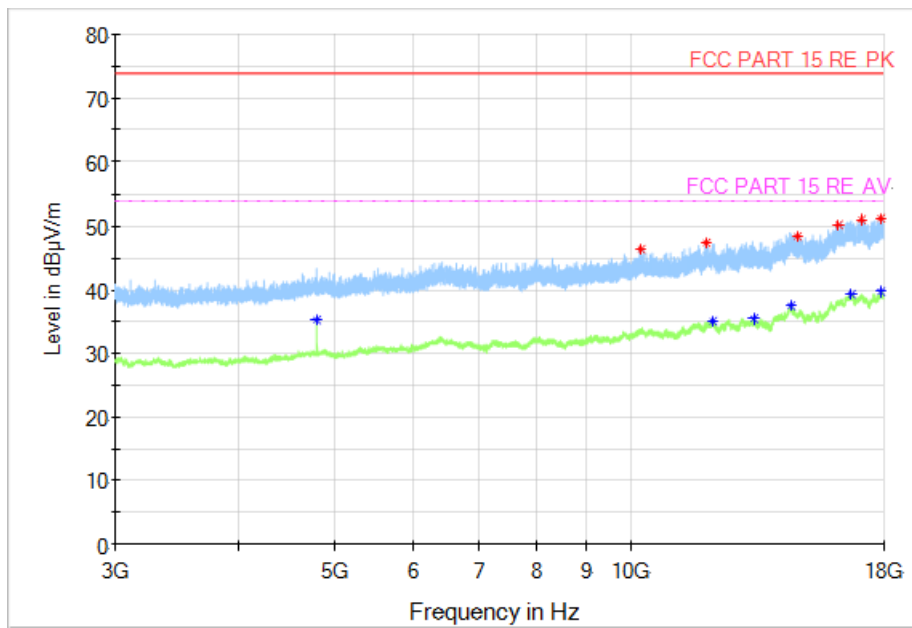
**Fig. 56 Radiated Band Edges ( $\pi/4$  DQPSK, Ch0, 2380GHz ~ 2450GHz)**



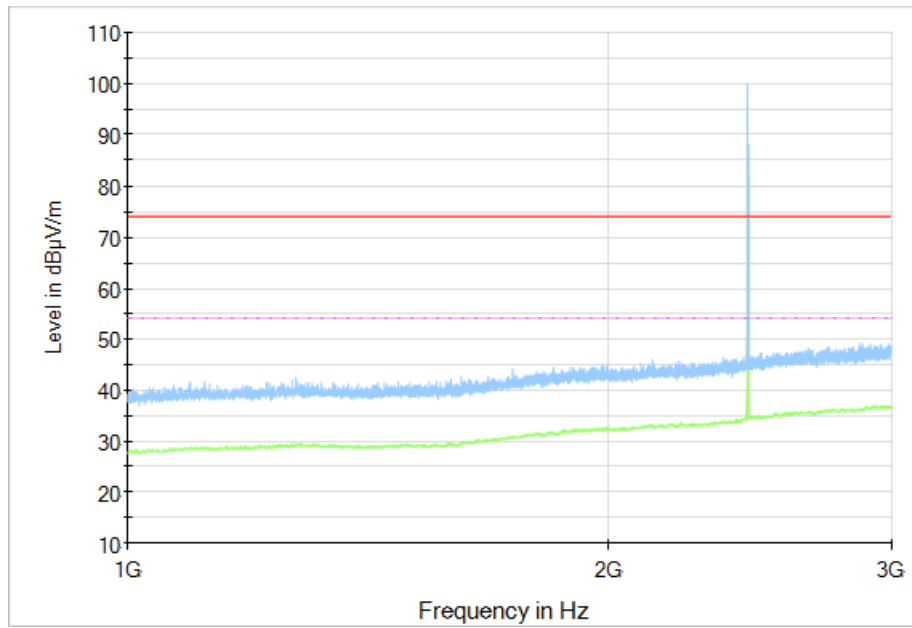
**Fig. 57 Radiated Band Edges ( $\pi/4$  DQPSK, Ch78, 2450GHz ~ 2500GHz)**



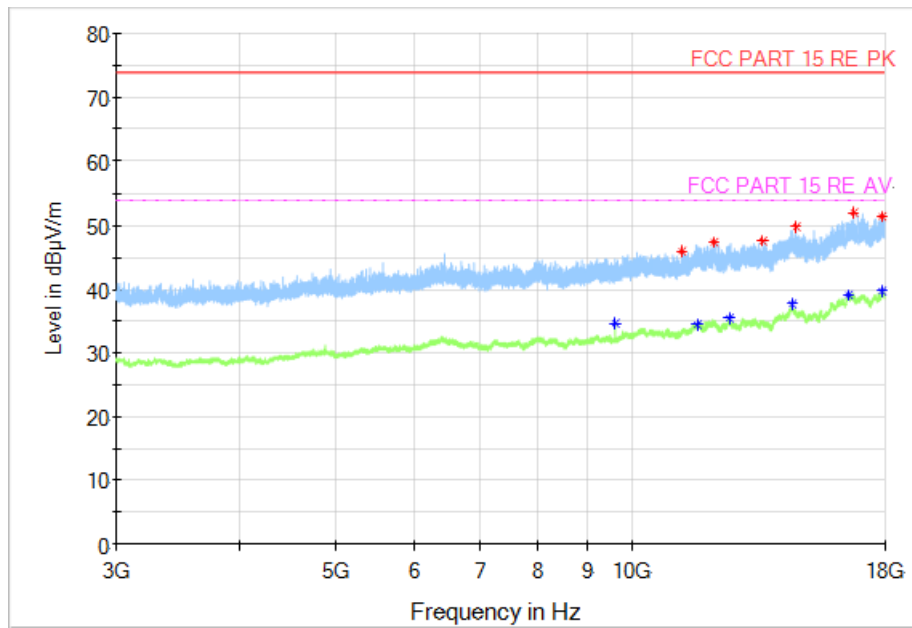
**Fig. 58 Radiated Spurious Emission (8DPSK, Ch0, 1GHz ~ 3GHz)**



**Fig. 59 Radiated Spurious Emission (8DPSK, Ch0, 3GHz ~ 18GHz)**

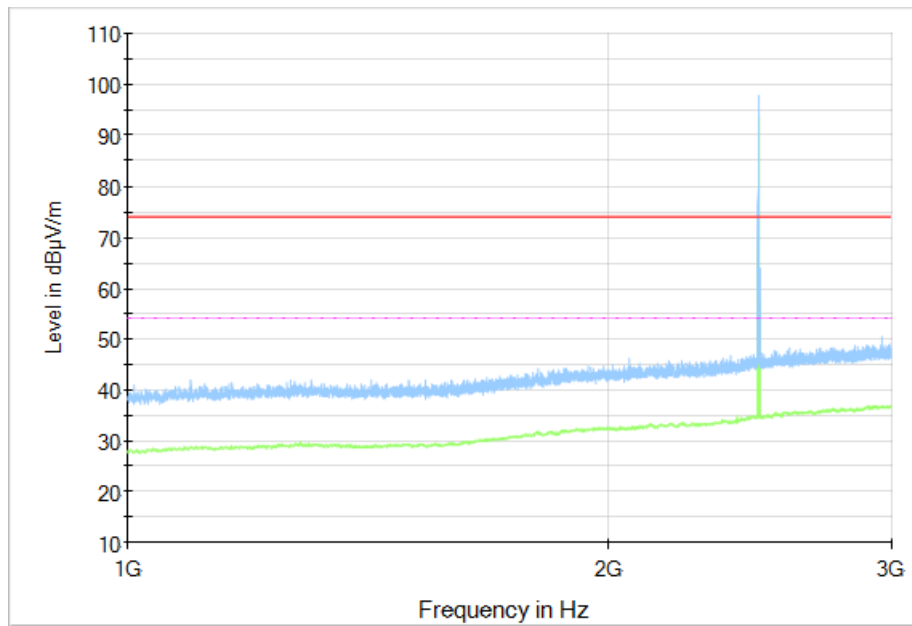


**Fig. 60 Radiated Spurious Emission (8DPSK, Ch39, 1GHz ~ 3GHz)**

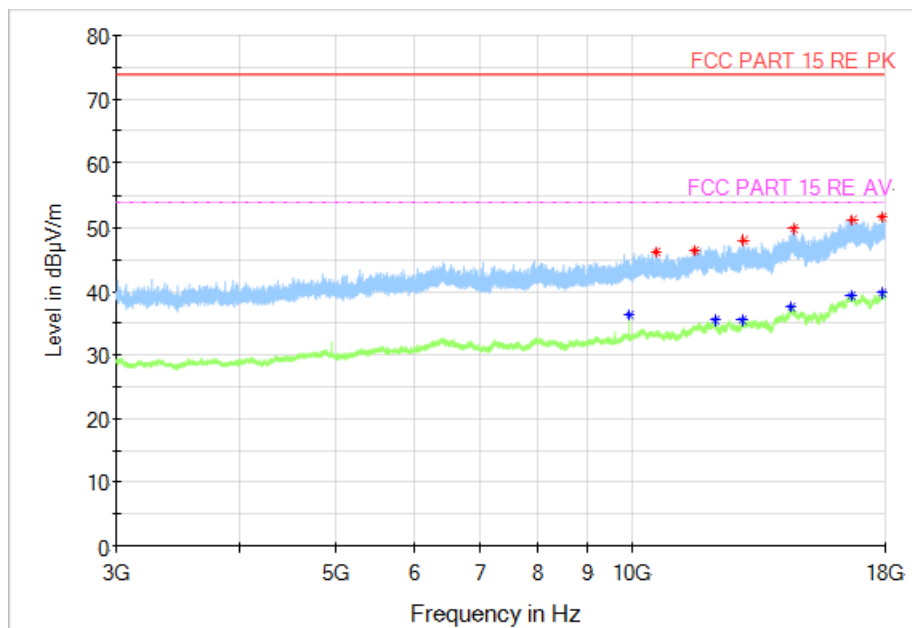


**Fig. 61 Radiated Spurious Emission (8DPSK, Ch39, 3GHz ~ 18GHz)**

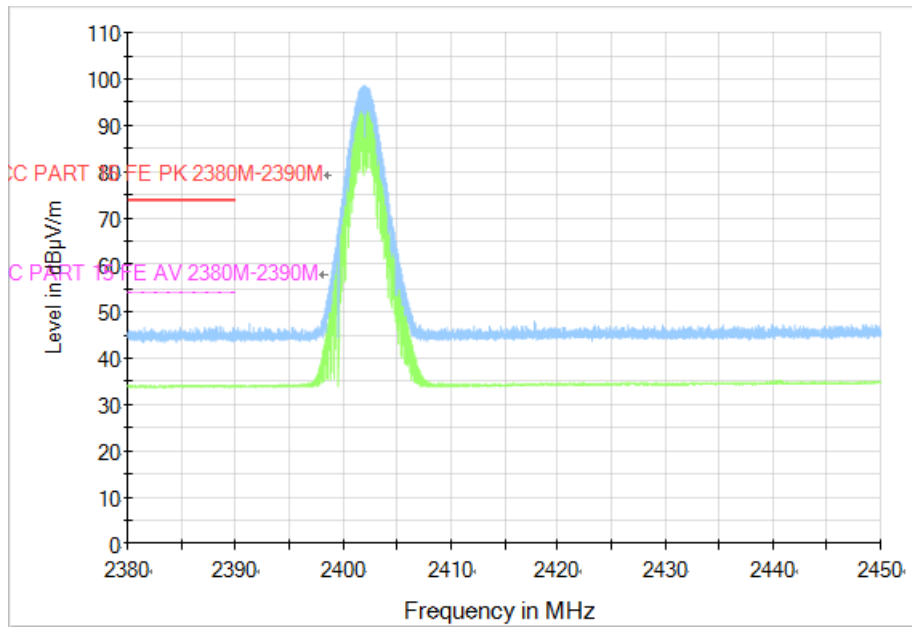




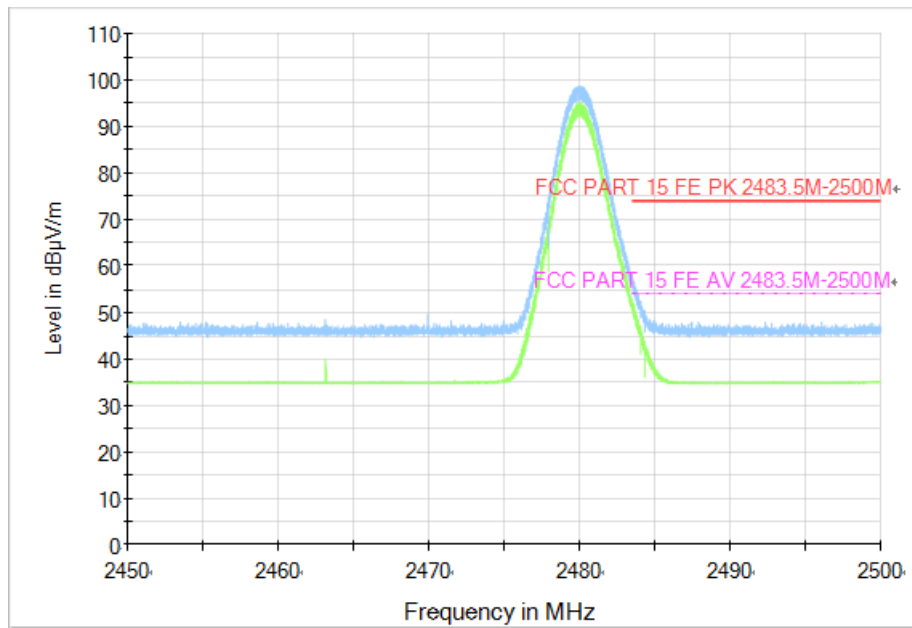
**Fig. 62 Radiated Spurious Emission (8DPSK, Ch78, 1GHz ~ 3GHz)**



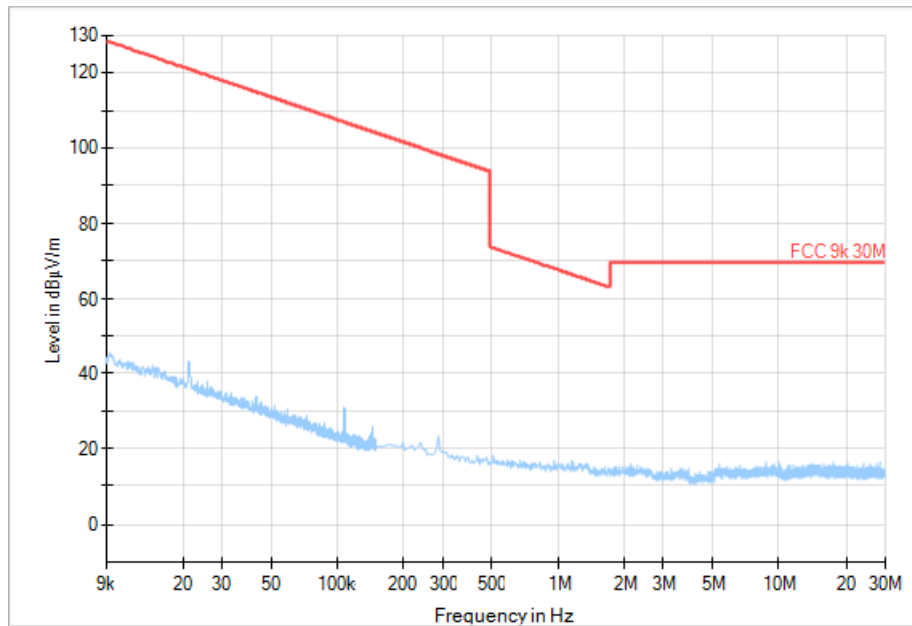
**Fig. 63 Radiated Spurious Emission (8DPSK, Ch78, 3GHz ~ 18GHz)**



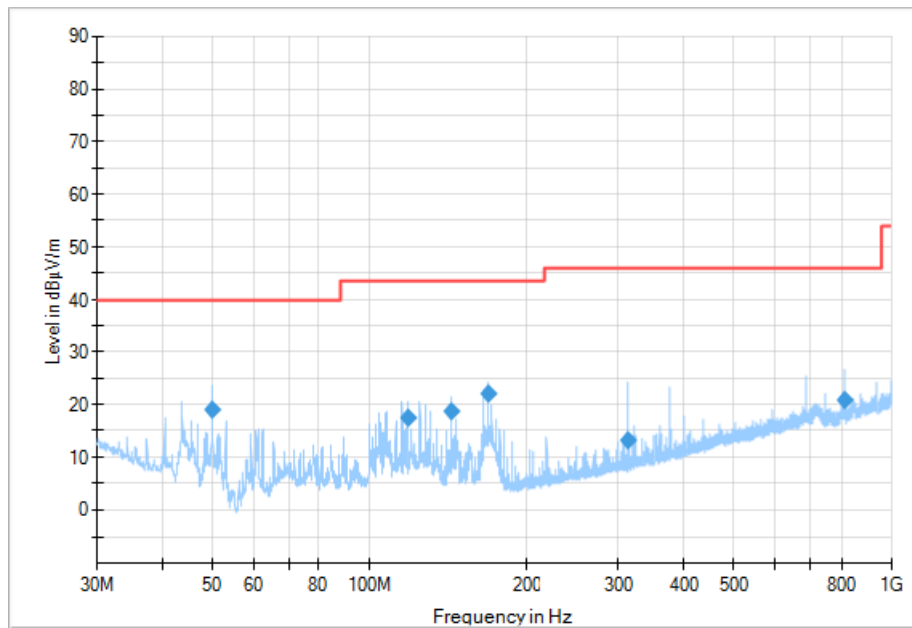
**Fig. 64 Radiated Band Edges (8DPSK, Ch0, 2380GHz ~ 2450GHz)**



**Fig. 65 Radiated Band Edges (8DPSK, Ch78, 2450GHz ~ 2500GHz)**



**Fig. 66 Radiated Spurious Emission (All Channels, 9kHz ~ 30MHz)**



**Fig. 67 Radiated Spurious Emission (All Channels, 30MHz ~ 1GHz)**

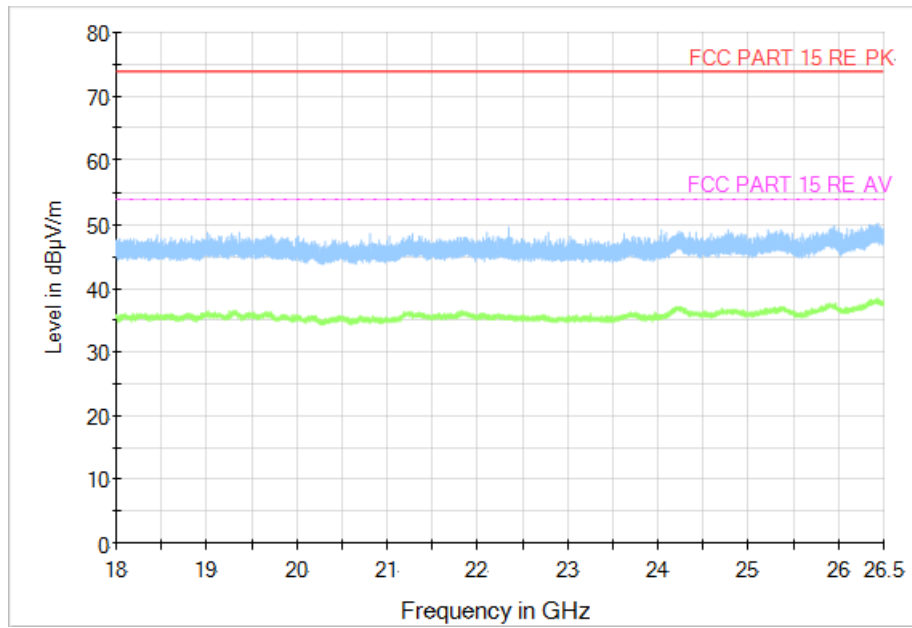


Fig. 68 Radiated Spurious Emission (All Channels, 18GHz ~ 26.5GHz)

### A.5 20dB Bandwidth

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a)	/

Measurement Result:

Mode	Channel	20dB Bandwidth (kHz)		conclusion
GFSK	0	Fig.69	939.00	/
	39	Fig.70	946.50	
	78	Fig.71	938.25	
$\pi/4$ DQPSK	0	Fig.72	1302.00	/
	39	Fig.73	1278.75	
	78	Fig.74	1278.00	
8DPSK	0	Fig.75	1294.50	/
	39	Fig.76	1262.25	
	78	Fig.77	1282.50	

See below for test graphs.

Conclusion: PASS

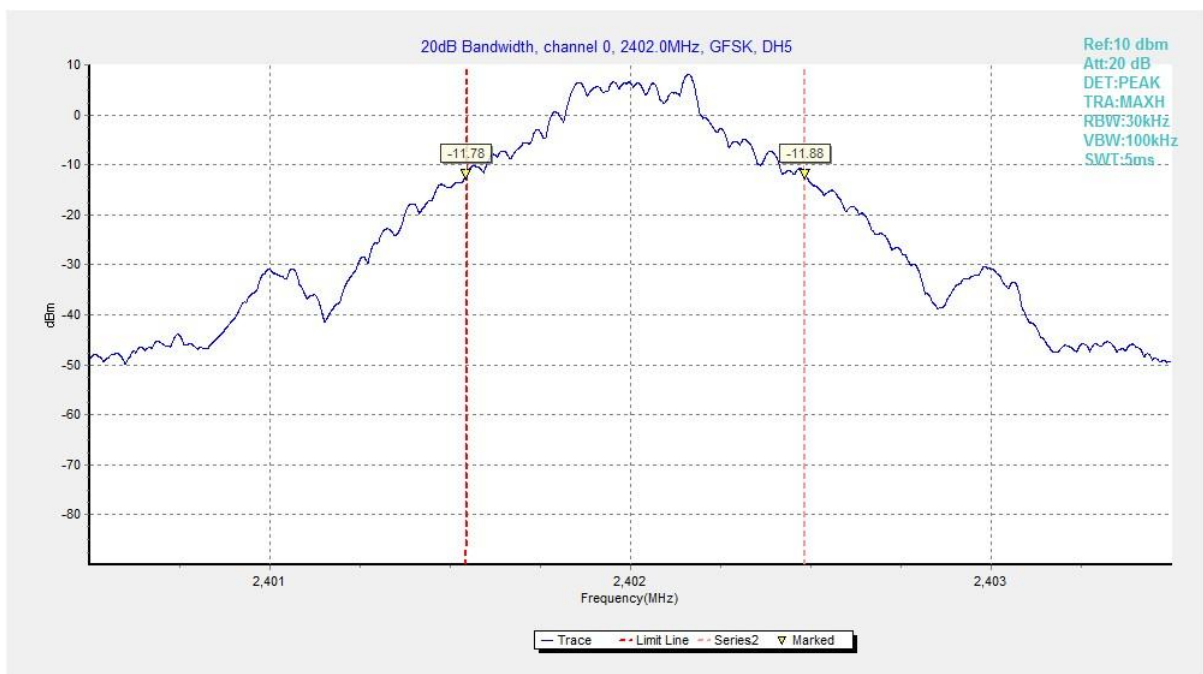


Fig. 69 20dB Bandwidth (GFSK, Ch 0)

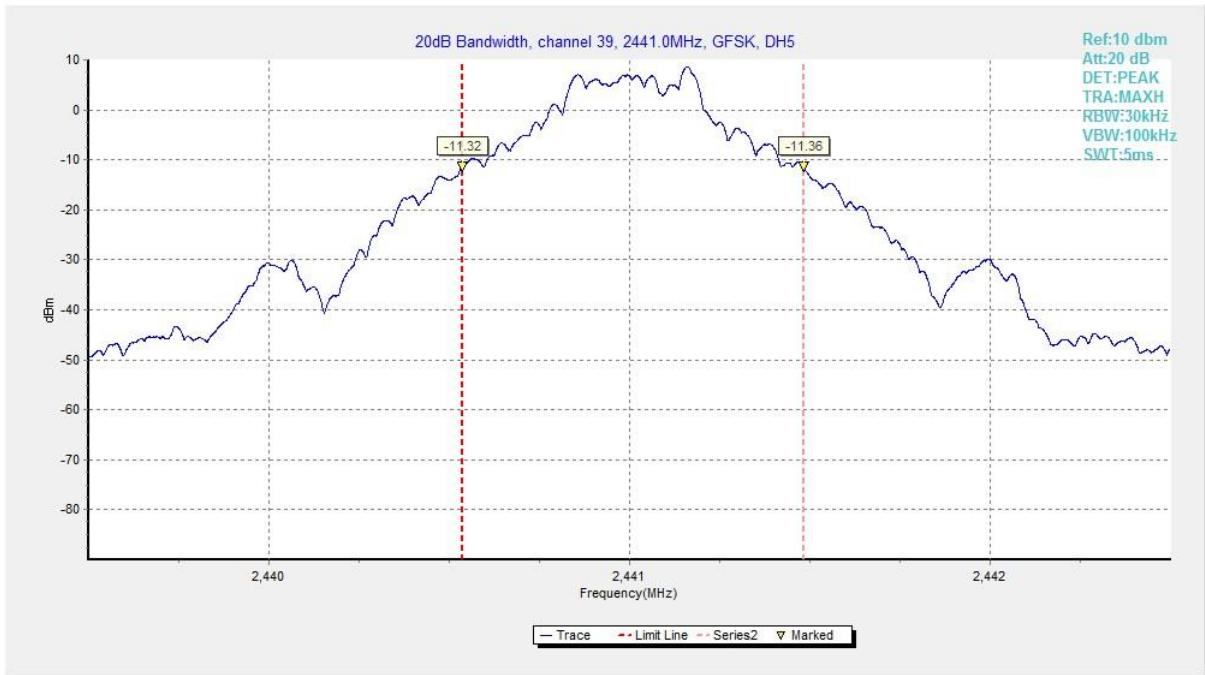


Fig. 70 20dB Bandwidth (GFSK, Ch 39)

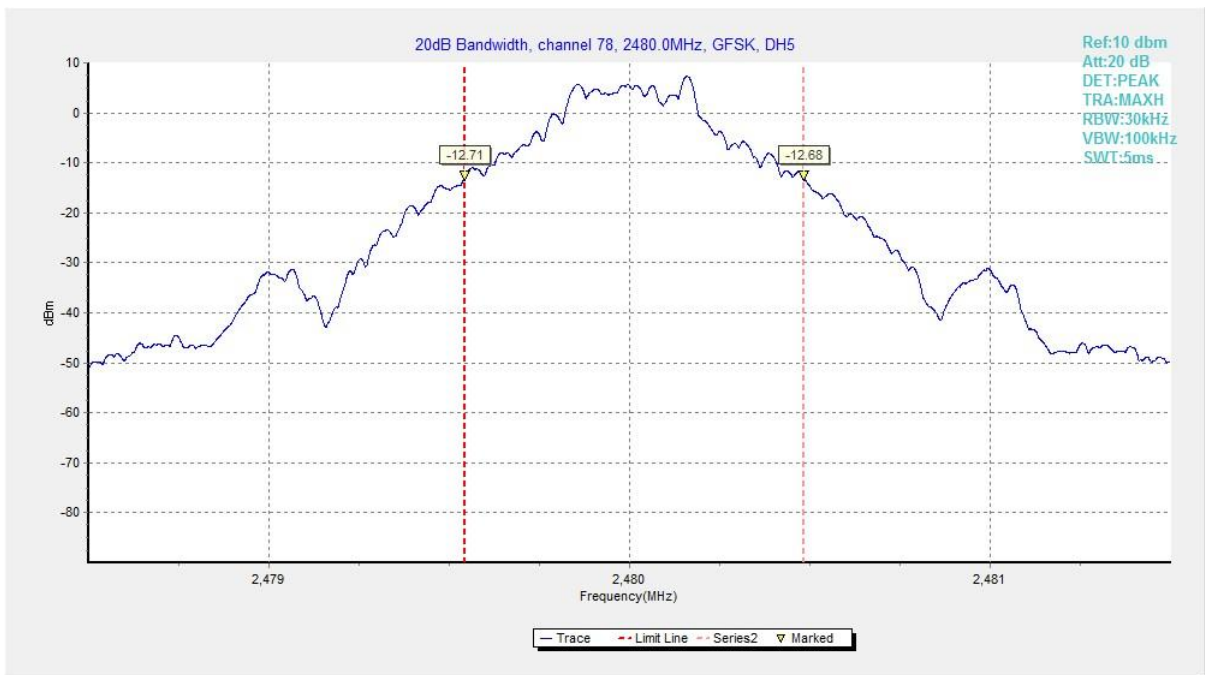


Fig. 71 20dB Bandwidth (GFSK, Ch 78)

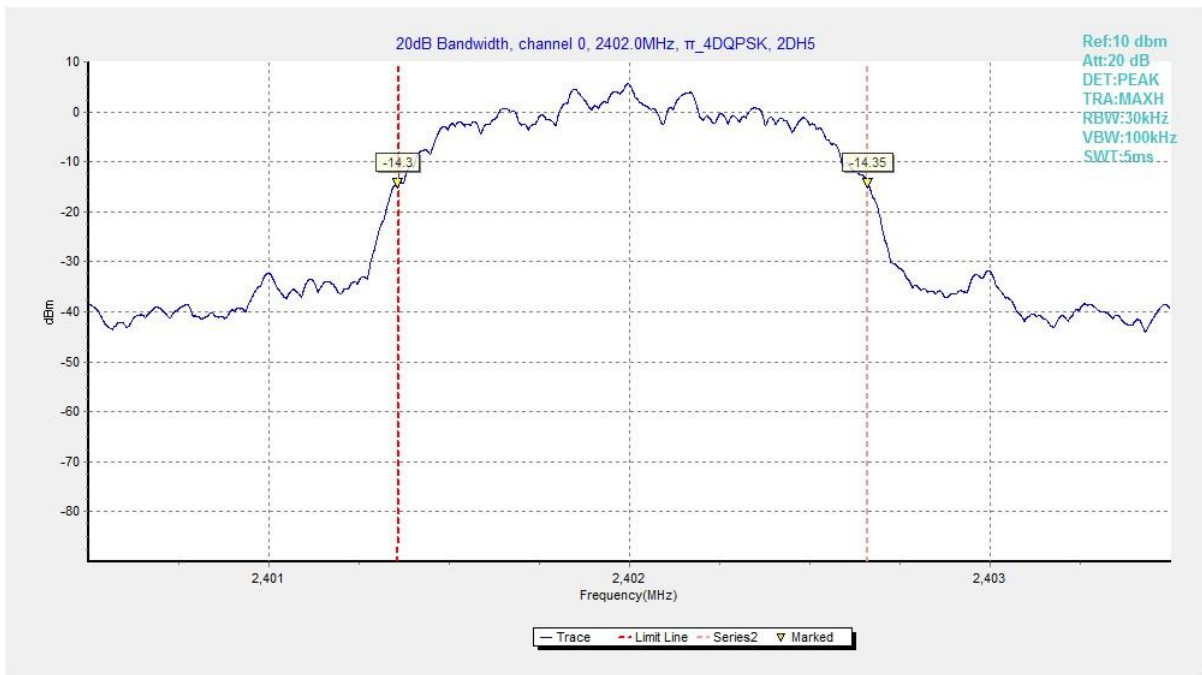


Fig. 72 20dB Bandwidth ( $\pi$  /4 DQPSK, Ch 0)

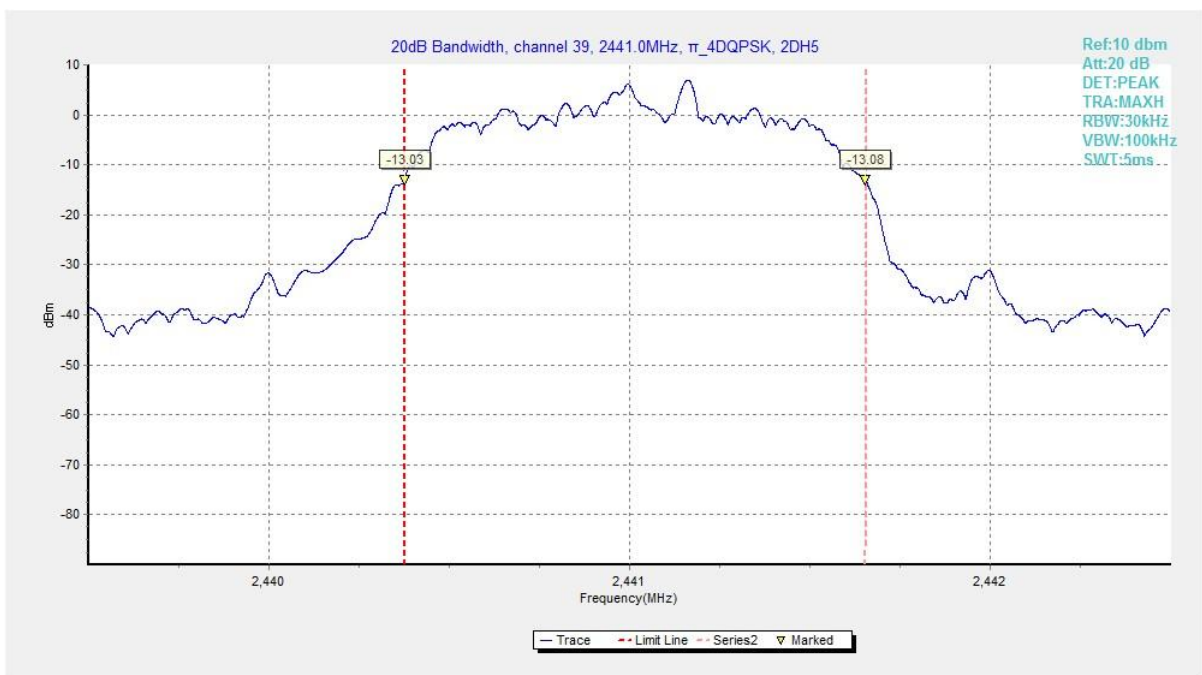
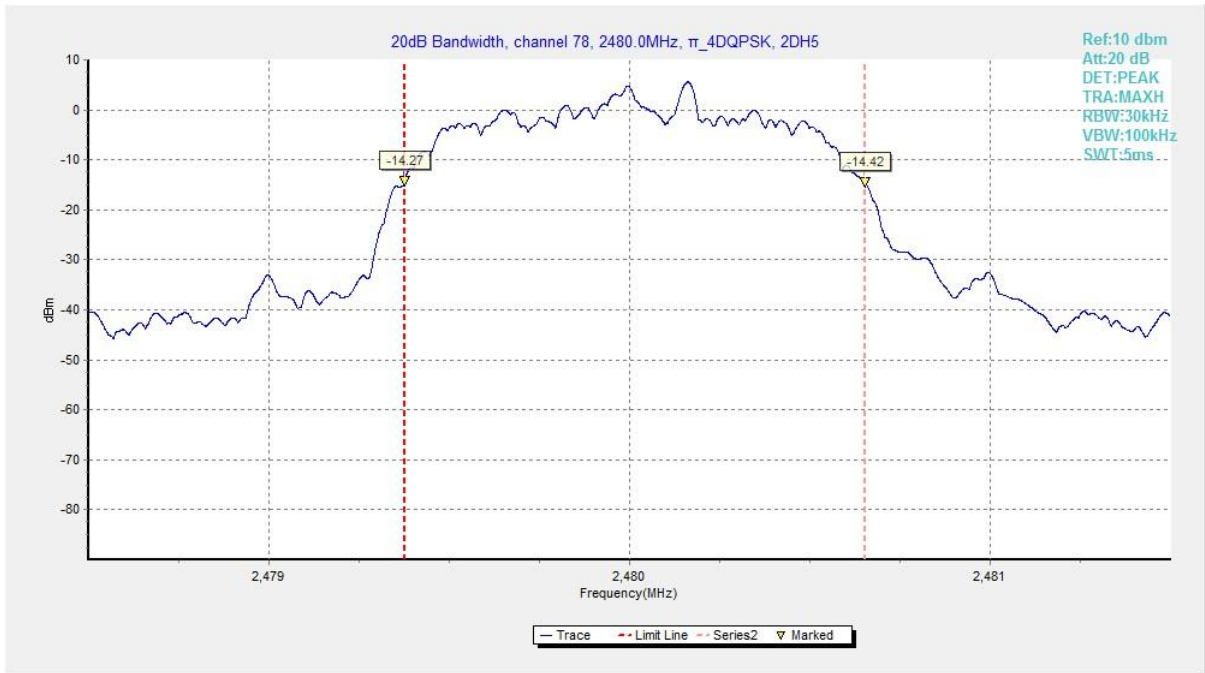
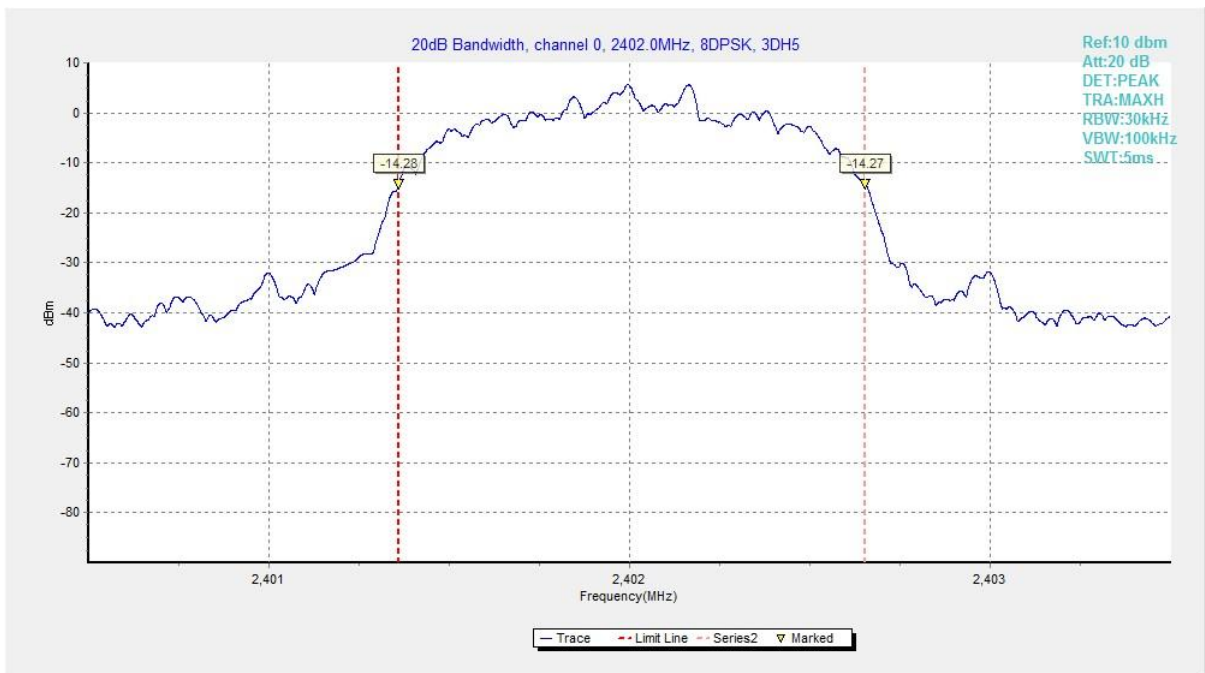


Fig. 73 20dB Bandwidth ( $\pi$  /4 DQPSK, Ch 39)



**Fig. 74 20dB Bandwidth ( $\pi/4$  DQPSK, Ch 78)**



**Fig. 75 20dB Bandwidth (8DPSK, Ch 0)**



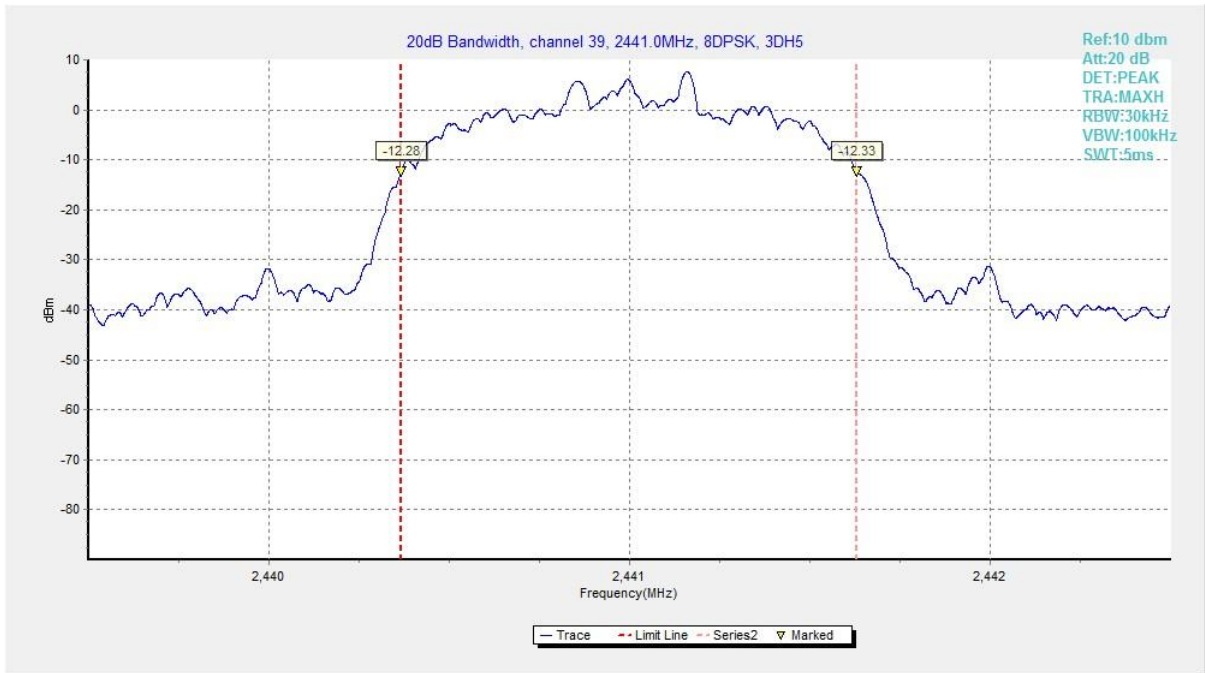


Fig. 76 20dB Bandwidth (8DPSK, Ch 39)

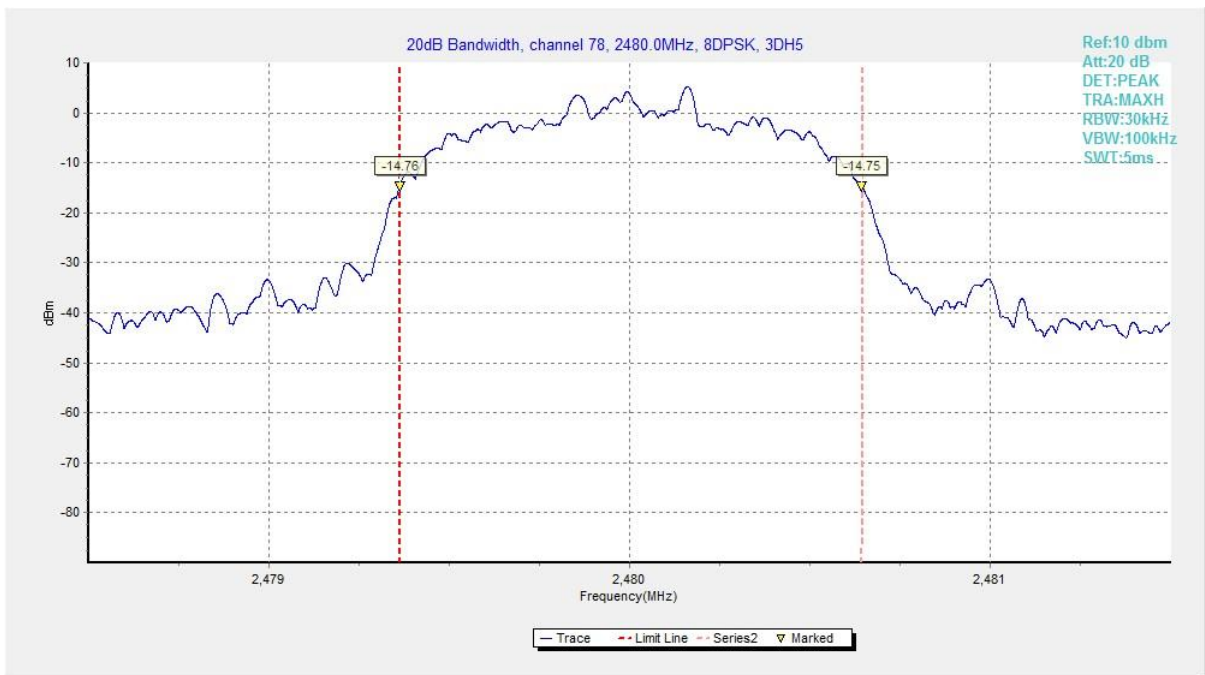


Fig. 77 20dB Bandwidth (8DPSK, Ch 78)

### A.6 Time of Occupancy (Dwell Time)

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (a)	< 400 ms

Measurement Results:

Mode	Channel	Packet	Dwell Time(ms)		Conclusion
GFSK	39	DH5	Fig.78	163.46	P
			Fig.79		
$\pi/4$ DQPSK	39	2-DH5	Fig.80	180.44	P
			Fig.81		
8DPSK	39	3-DH5	Fig.82	196.48	P
			Fig.83		

See below for test graphs.

Conclusion: Pass

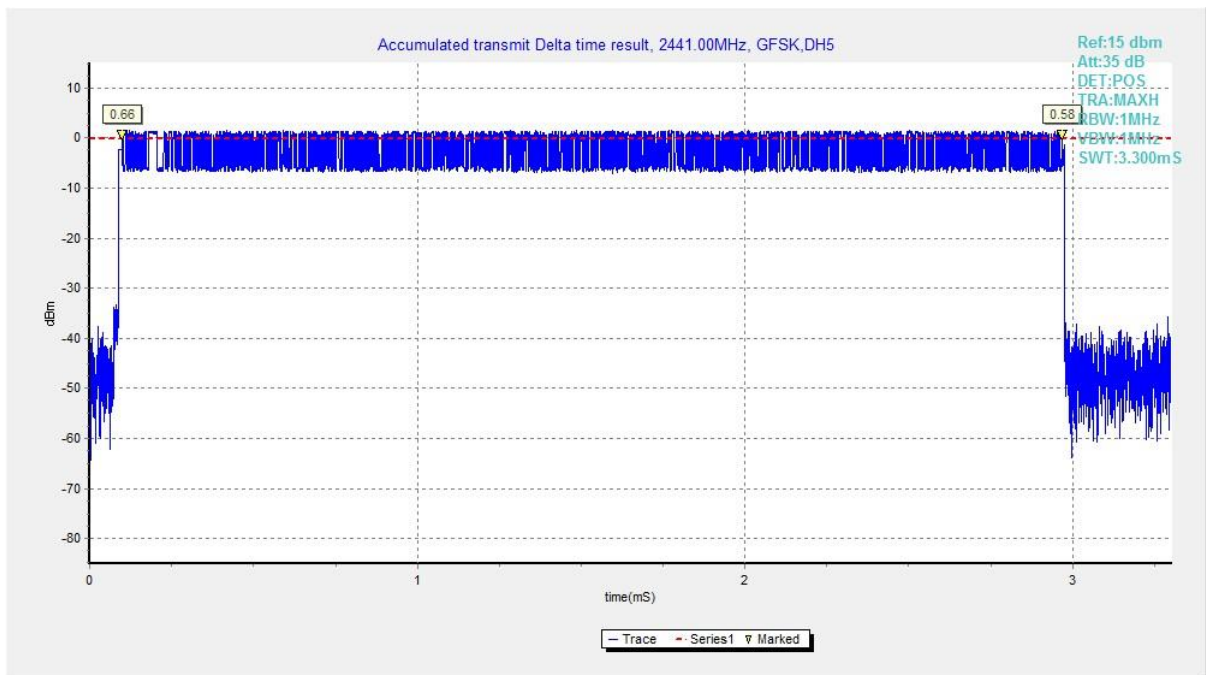


Fig. 78 Time of Occupancy (Dwell Time) (GFSK, Ch39)

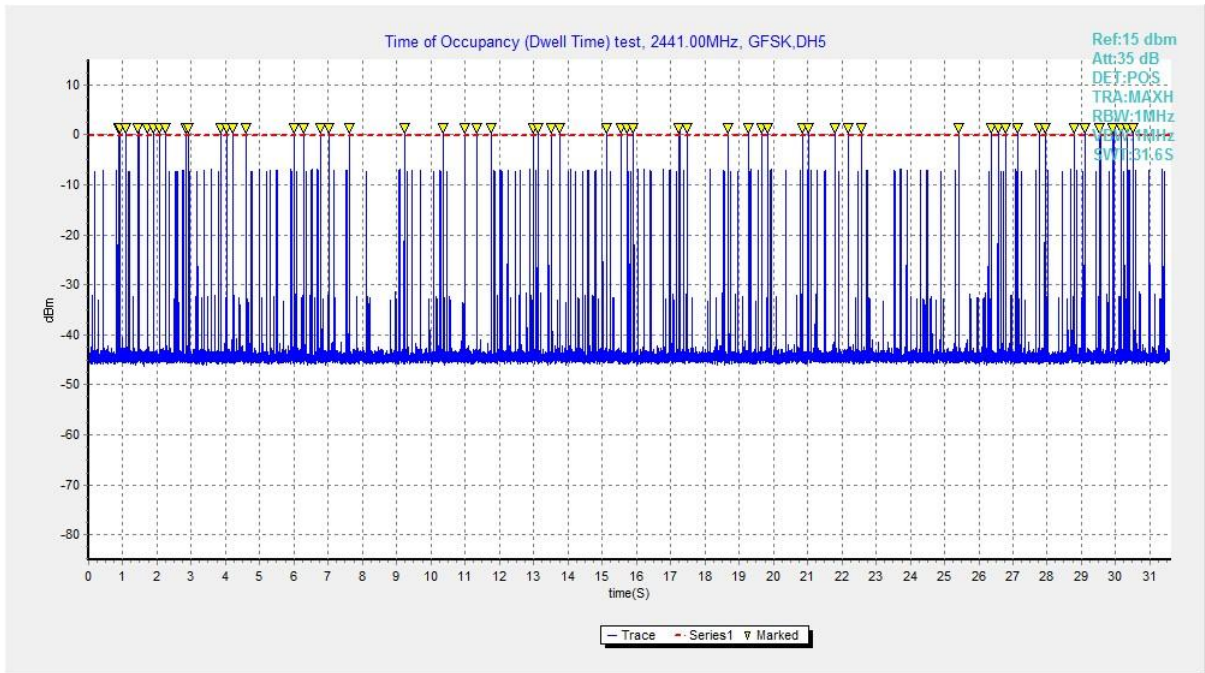


Fig. 79 Time of Occupancy (Dwell Time) (GFSK, Ch39)

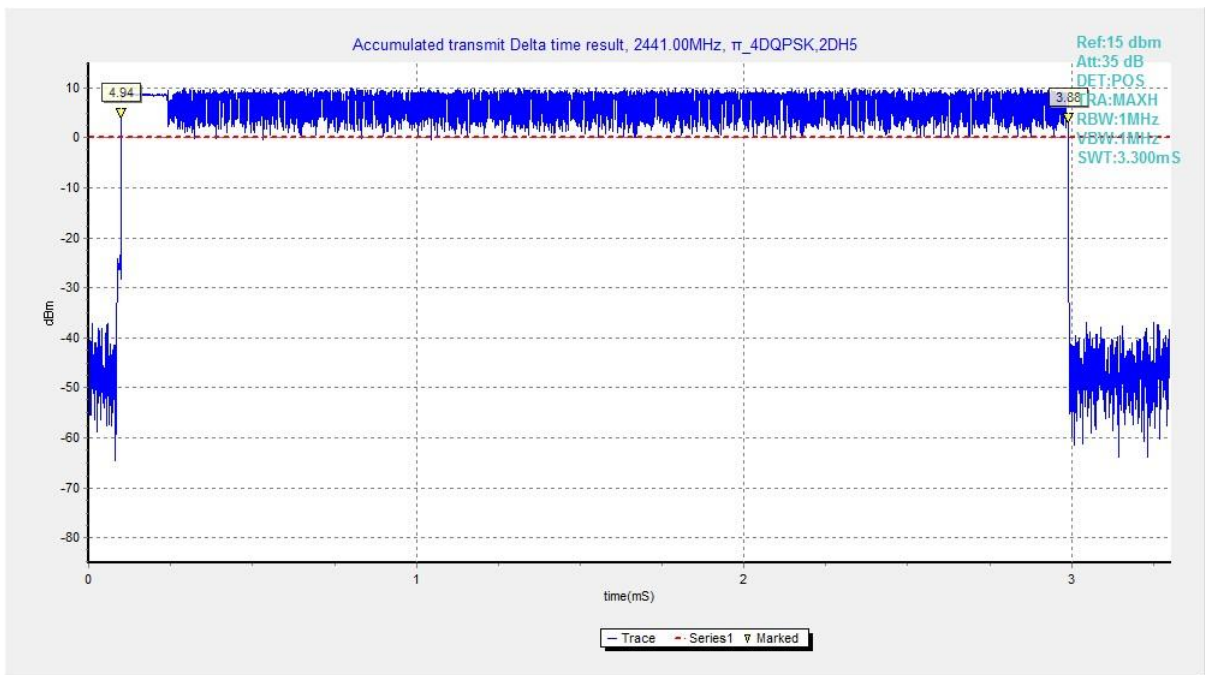


Fig. 80 Time of Occupancy (Dwell Time) ( $\pi/4$  DQPSK, Ch39)

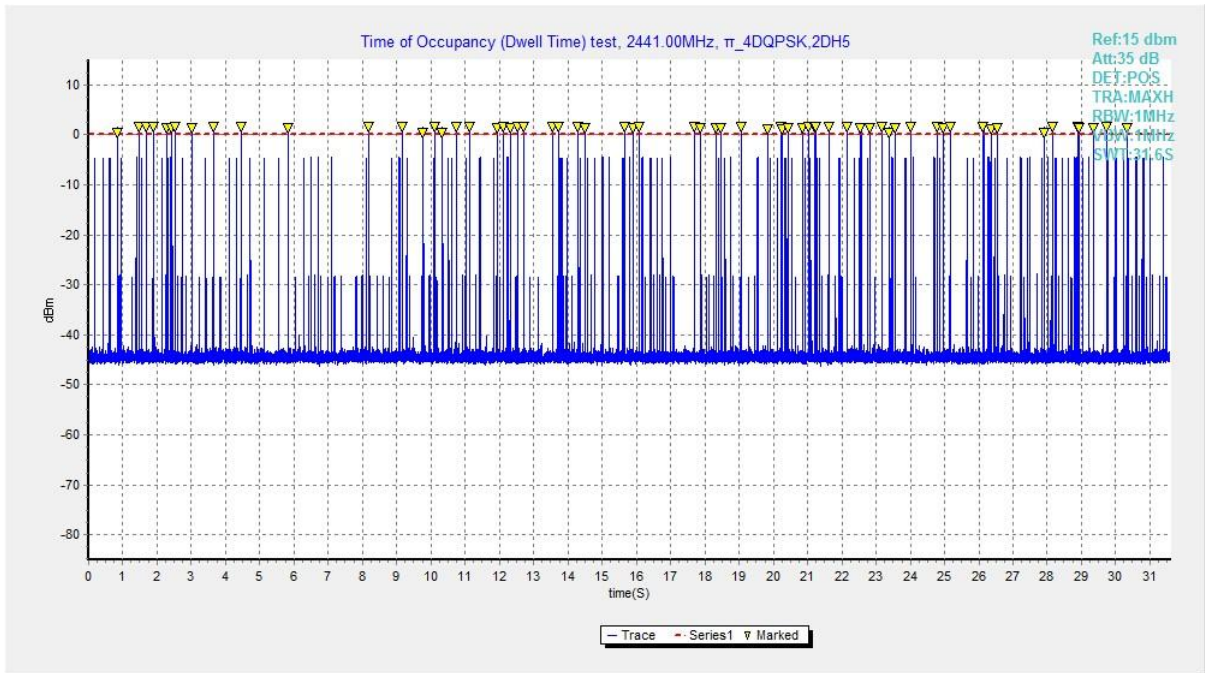


Fig. 81 Time of Occupancy (Dwell Time) ( $\pi$  /4 DQPSK, Ch39)

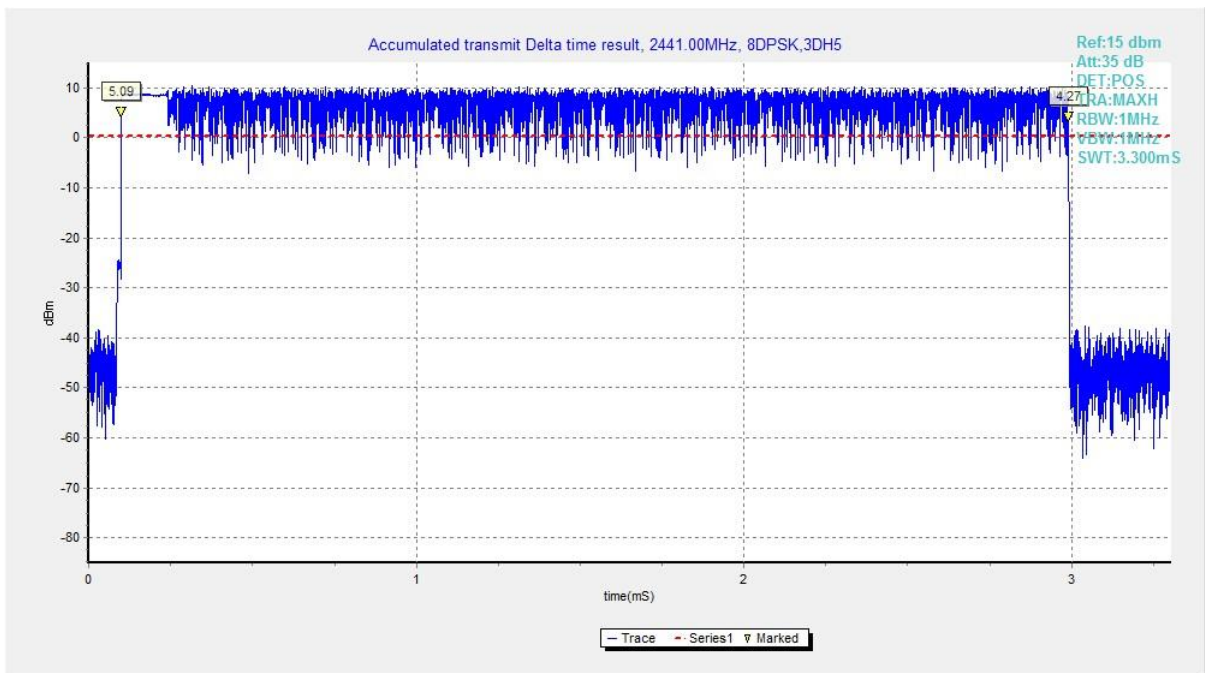


Fig. 82 Time of Occupancy (Dwell Time) (8DPSK, Ch39)

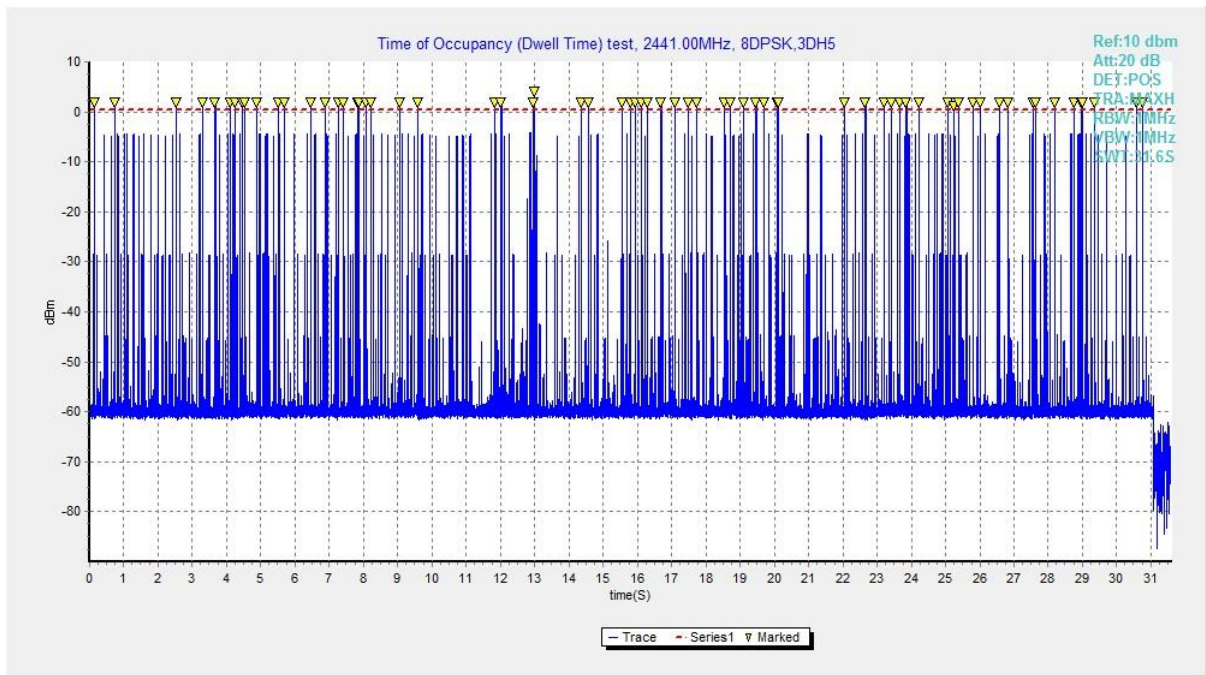


Fig. 83 Time of Occupancy (Dwell Time) (8DPSK, Ch39)



### A.7 Number of Hopping Channels

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (a)	At least 15 non-overlapping channels

Measurement Results:

Mode	Packet	Number of hopping channels		Test result	Conclusion
GFSK	DH5	Fig.84	Fig.85	79	<b>P</b>
$\pi/4$ DQPSK	2-DH5	Fig.86	Fig.87	79	<b>P</b>
8DPSK	3-DH5	Fig.88	Fig.89	79	<b>P</b>

See below for test graphs.

Conclusion: Pass

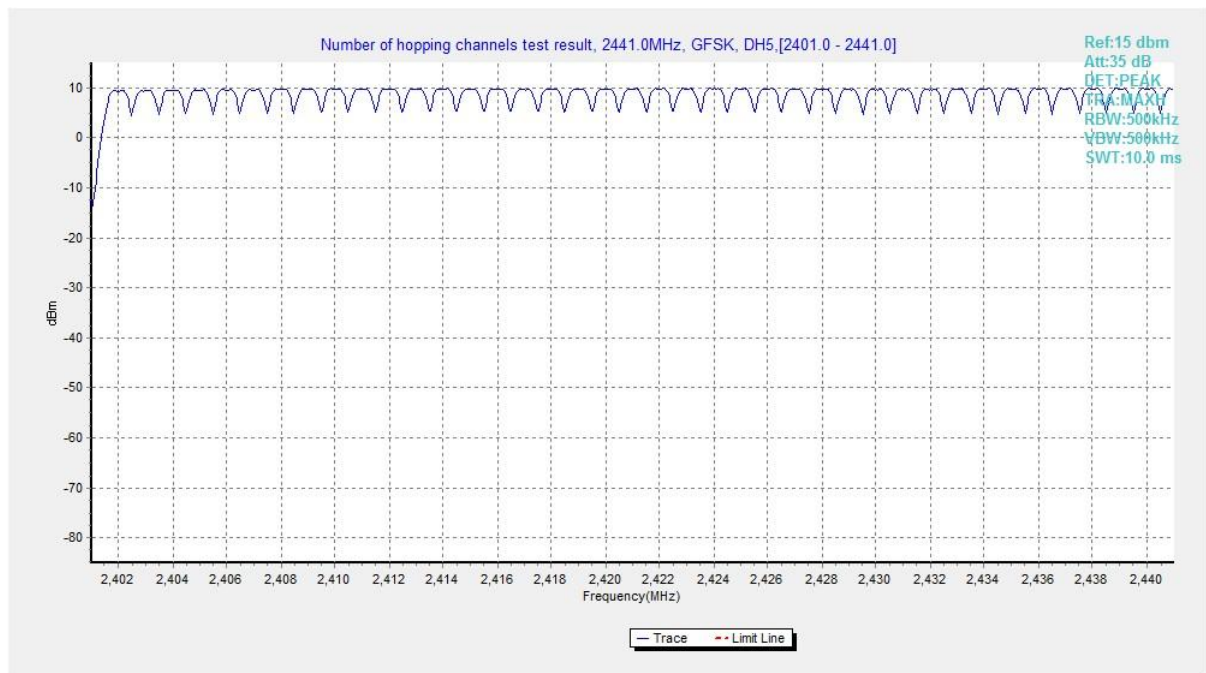


Fig. 84 Hopping channel ch0~39 (GFSK, Ch39)

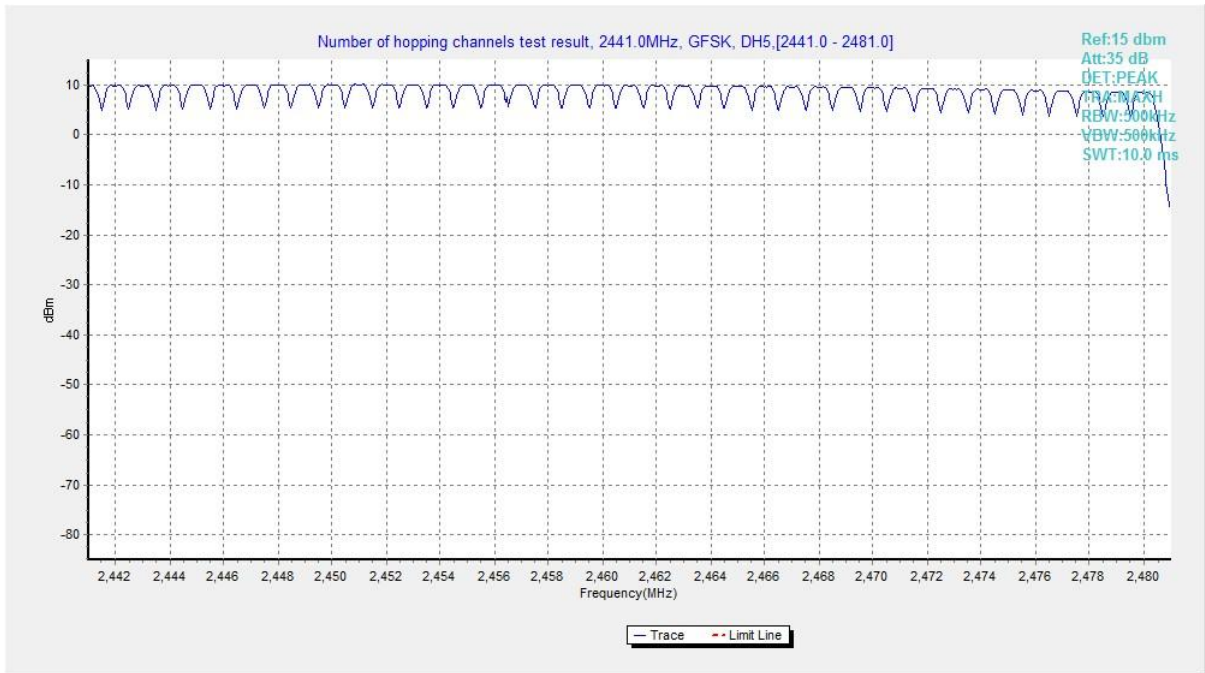


Fig. 85 Hopping channel ch40~78 (GFSK, Ch39)

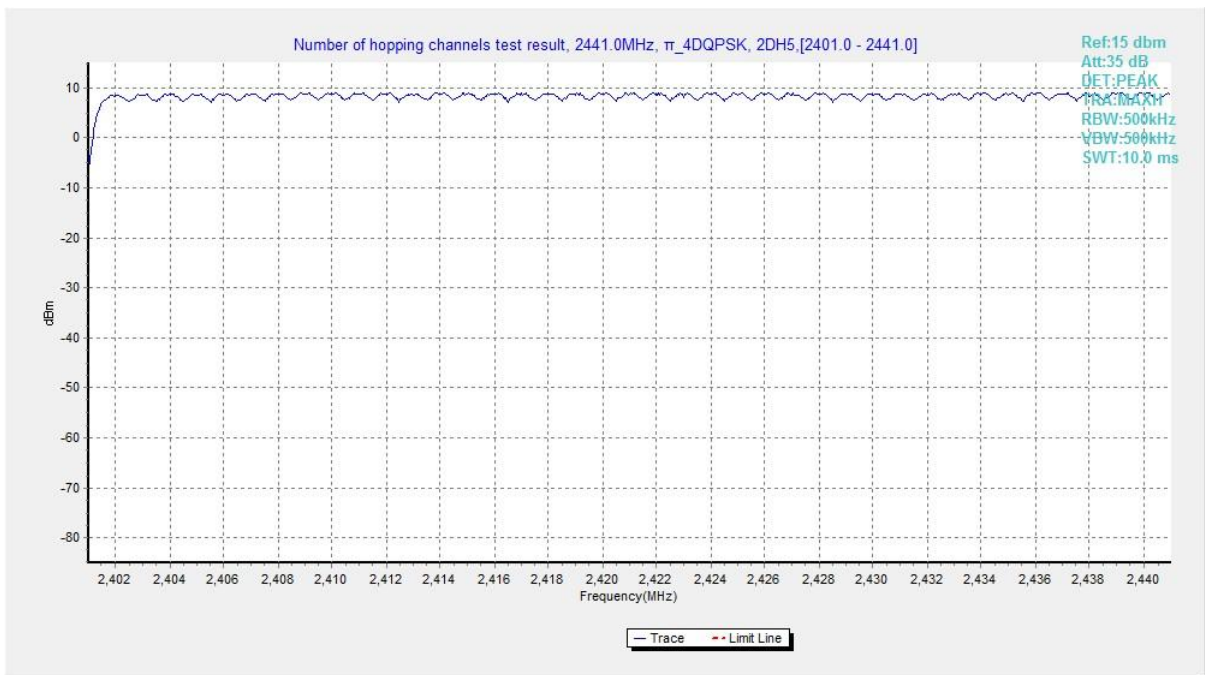


Fig. 86 Hopping channel ch0~39 ( $\pi/4$  DQPSK, Ch39)

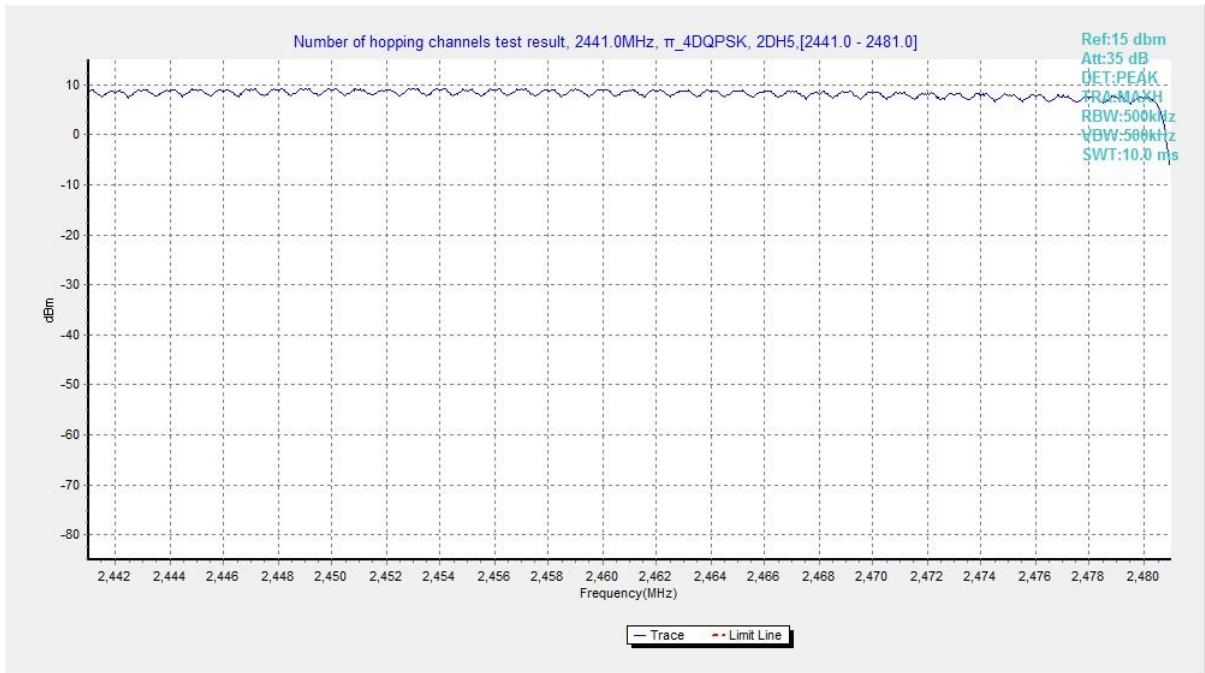


Fig. 87 Hopping channel ch40~78 ( $\pi$ /4 DQPSK, Ch39)

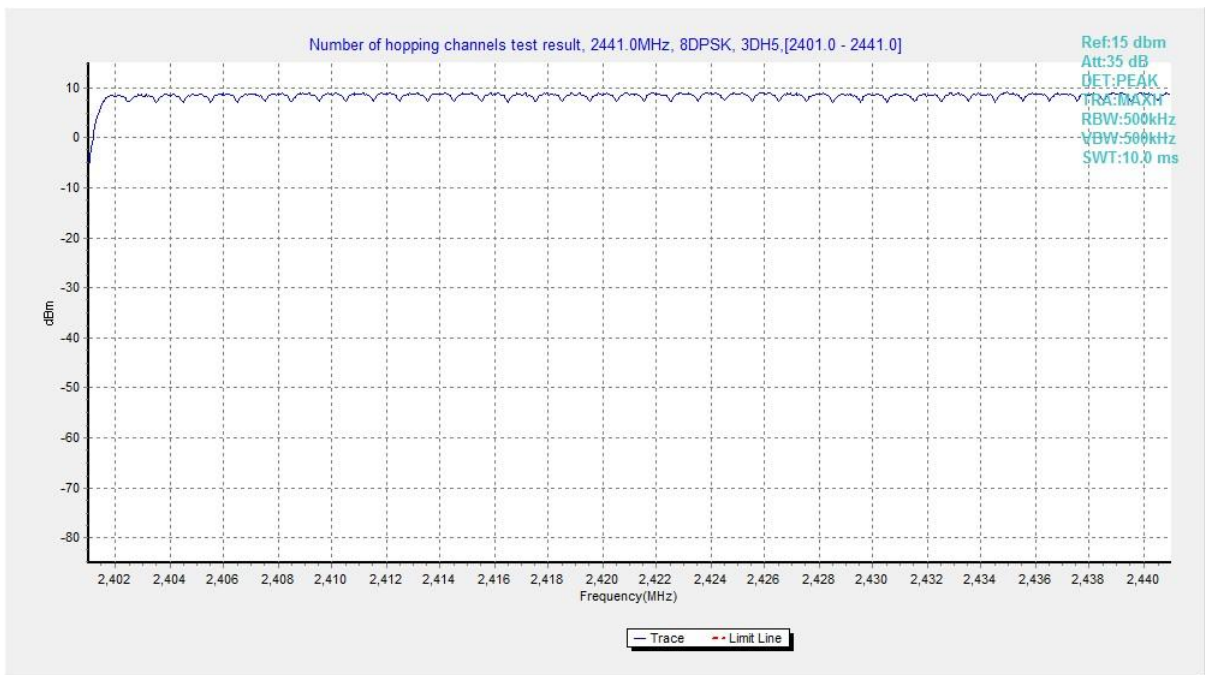


Fig. 88 Hopping channel ch0~39 (8DPSK, Ch39)



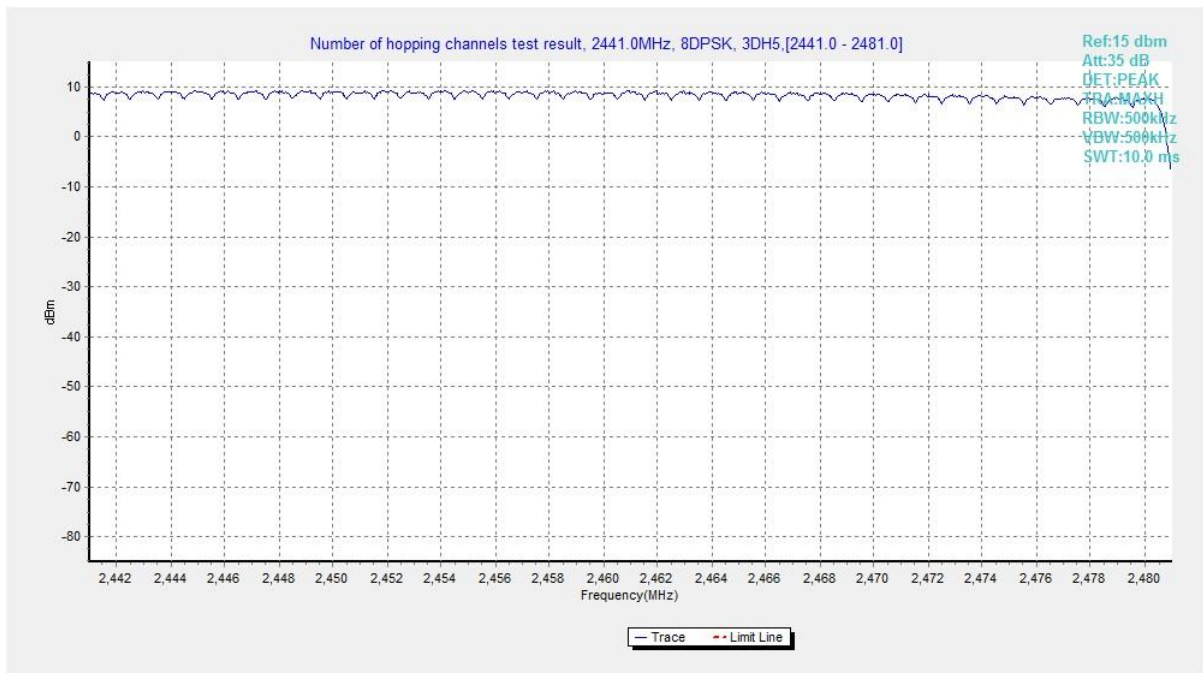


Fig. 89 Hopping channel ch40~78 (8DPSK, Ch39)

### A.8 Carrier Frequency Separation

#### Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (a)	By a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater

#### Measurement Results:

Mode	Channel	Packet	Separation of hopping channels	Test result (MHz)	Conclusion
GFSK	39	DH5	Fig.90	1.01	P
$\pi/4$ DQPSK	39	2-DH5	Fig.91	1.01	P
8DPSK	39	3-DH5	Fig.92	1.00	P

See below for test graphs.

Conclusion: Pass

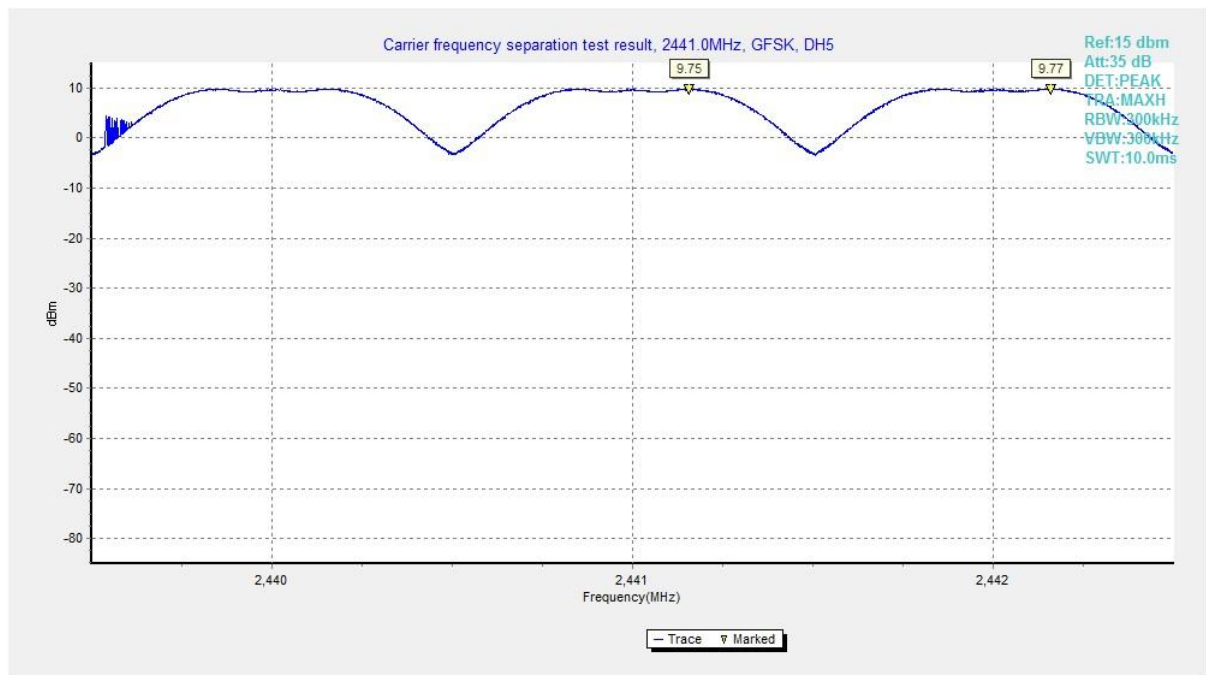


Fig. 90 Carrier Frequency Separation (GFSK, Ch39)

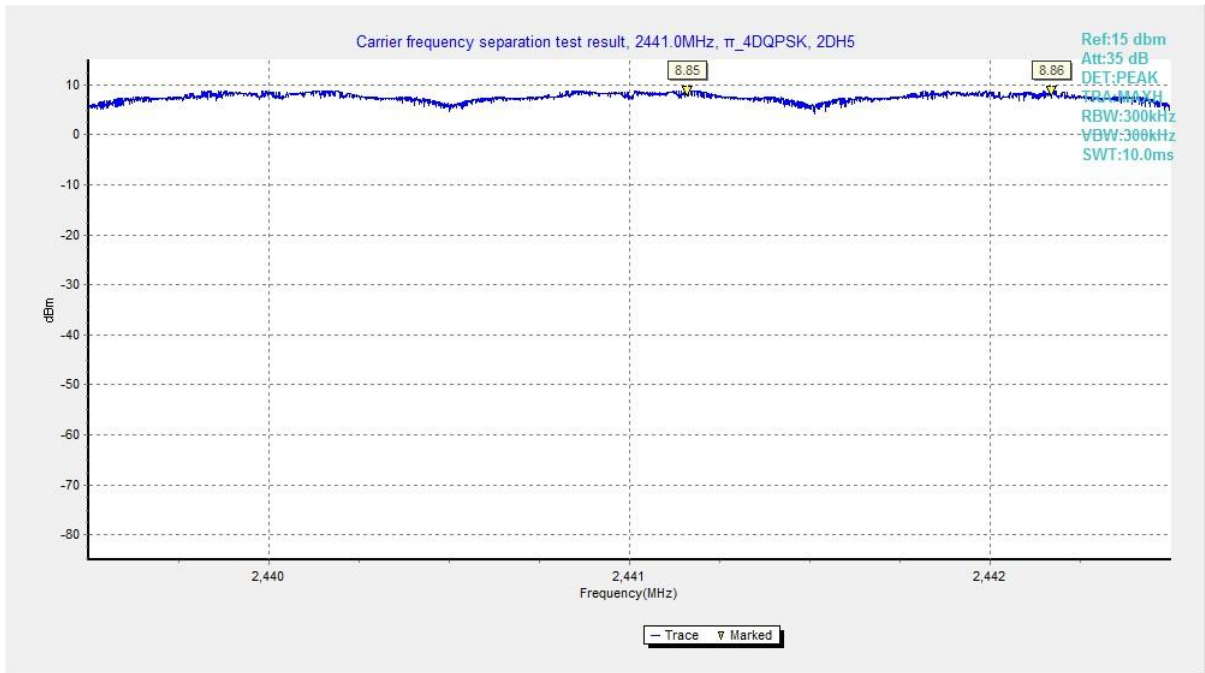


Fig. 91 Carrier Frequency Separation ( $\pi/4$  DQPSK, Ch39)

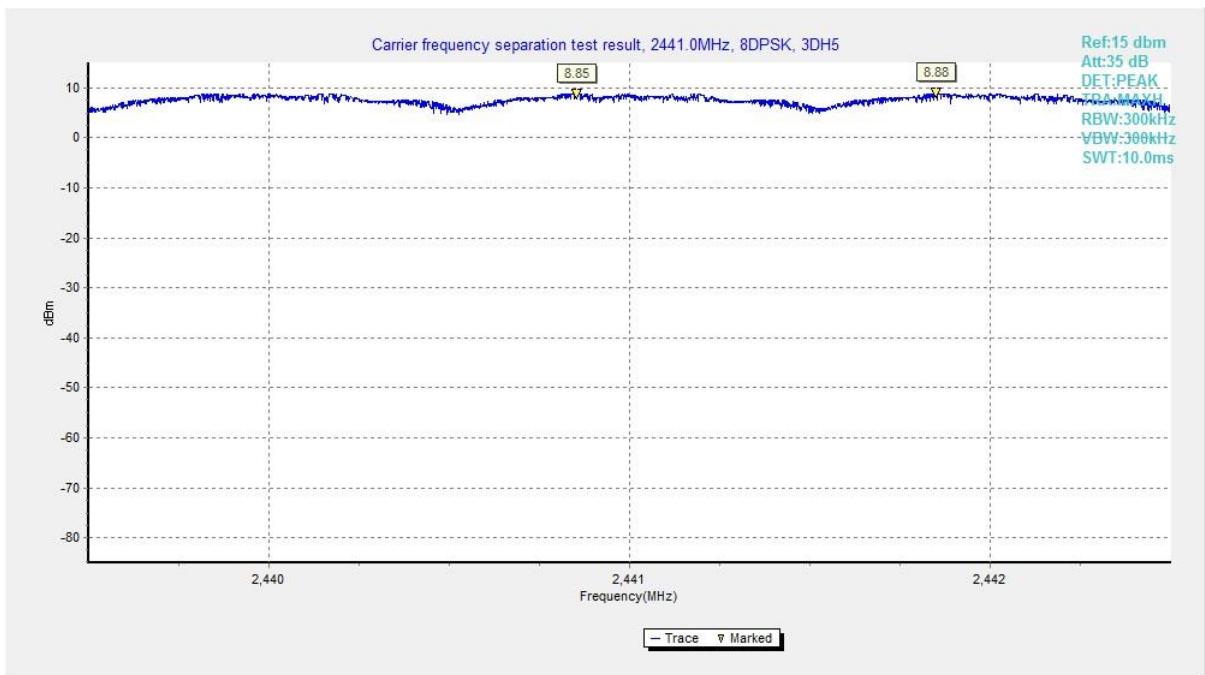


Fig. 92 Carrier Frequency Separation (8DPSK, Ch39)

## A.9 AC Power line Conducted Emission

### Test Condition:

Voltage (V)	Frequency (Hz)
120	60

### Measurement Result and limit:

#### BT (Quasi-peak Limit) - AE1

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.93	Fig.94	P
0.5 to 5	56			
5 to 30	60			

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

#### BT (Average Limit) - AE1

Frequency range (MHz)	Average-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.93	Fig.94	P
0.5 to 5	46			
5 to 30	50			

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

#### BT (Quasi-peak Limit) - AE2

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.95	Fig.96	P
0.5 to 5	56			
5 to 30	60			

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

#### BT (Average Limit) - AE2

Frequency range (MHz)	Average-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.95	Fig.96	P
0.5 to 5	46			
5 to 30	50			

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

### Test Condition:

Voltage (V)	Frequency (Hz)
240	60

**Measurement Result and limit:**

BT (Quasi-peak Limit) - AE1

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.97	Fig.98	P
0.5 to 5	56			
5 to 30	60			

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

BT (Average Limit) - AE1

Frequency range (MHz)	Average-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.97	Fig.98	P
0.5 to 5	46			
5 to 30	50			

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

BT (Quasi-peak Limit) - AE2

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.99	Fig.100	P
0.5 to 5	56			
5 to 30	60			

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

BT (Average Limit) - AE2

Frequency range (MHz)	Average-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.99	Fig.100	P
0.5 to 5	46			
5 to 30	50			

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Note: The measurement results include the L1 and N measurements.

**See below for test graphs.**
**Conclusion: Pass**

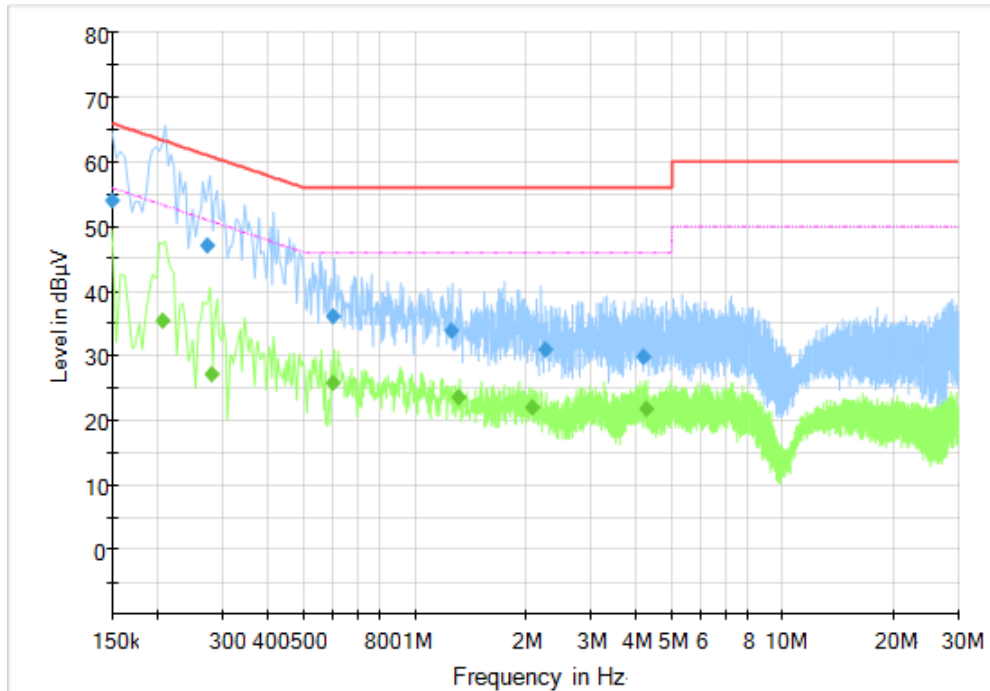


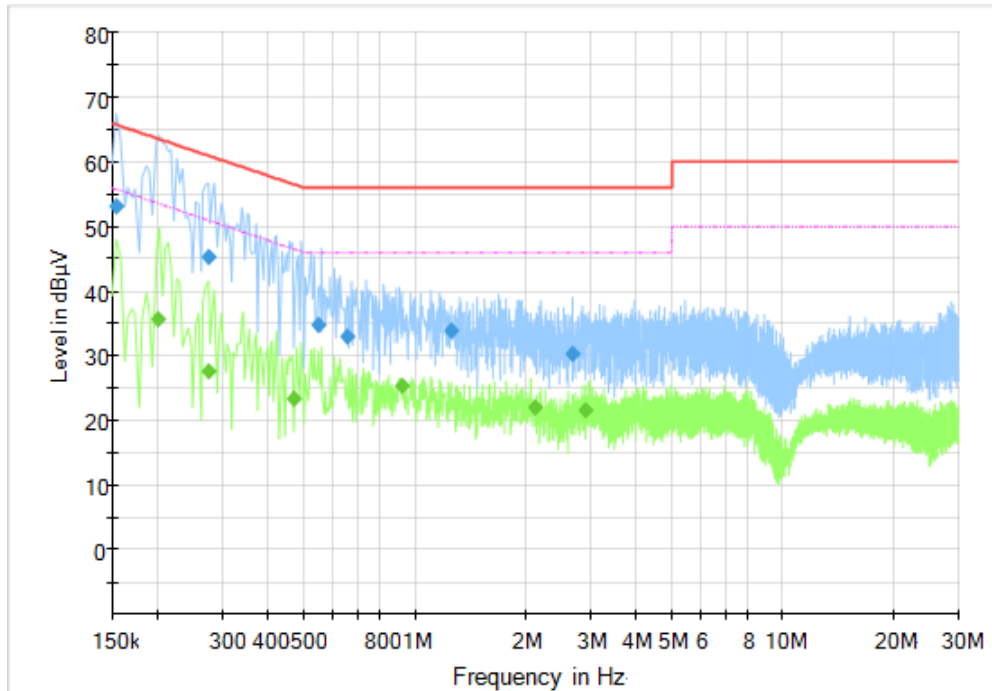
Fig. 93 AC Powerline Conducted Emission (Traffic, AE1, 120V)

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
4.176	29.85	56.00	26.15	L1	ON	9.7
2.252	31.01	56.00	24.99	L1	ON	9.7
1.256	33.79	56.00	22.21	L1	ON	9.7
0.600	36.19	56.00	19.81	L1	ON	9.6
0.272	47.09	61.06	13.96	L1	ON	9.6
0.150	54.14	66.00	11.86	N	ON	9.6

**Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
4.256	21.71	46.00	24.29	L1	ON	9.7
0.600	25.77	46.00	20.23	L1	ON	9.6
0.280	27.21	50.82	23.61	N	ON	9.6
1.316	23.59	46.00	22.41	L1	ON	9.7
0.206	35.37	53.37	18.00	N	ON	9.6
2.088	21.93	46.00	24.07	L1	ON	9.7



**Fig. 94 AC Power line Conducted Emission (Idle, AE1, 120V)**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
2.676	30.35	56.00	25.65	L1	ON	9.7
0.652	33.06	56.00	22.94	N	ON	9.6
1.252	33.82	56.00	22.18	L1	ON	9.7
0.548	34.86	56.00	21.14	N	ON	9.6
0.276	45.25	60.94	15.69	N	ON	9.6
0.154	53.05	65.78	12.73	N	ON	9.6

**Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.276	27.67	50.94	23.26	N	ON	9.6
0.468	23.39	46.55	23.16	L1	ON	9.6
2.904	21.63	46.00	24.37	L1	ON	9.7
0.920	25.37	46.00	20.63	L1	ON	9.7
0.200	35.65	53.61	17.96	N	ON	9.6
2.128	22.00	46.00	24.00	L1	ON	9.7

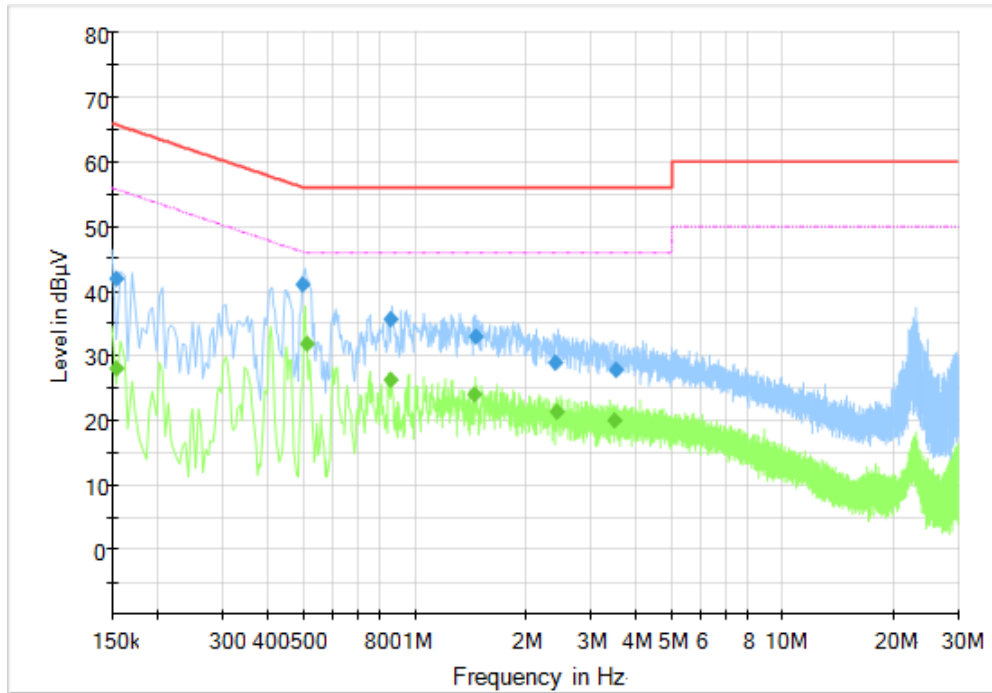


Fig. 95 AC Powerline Conducted Emission (Traffic, AE2, 120V)

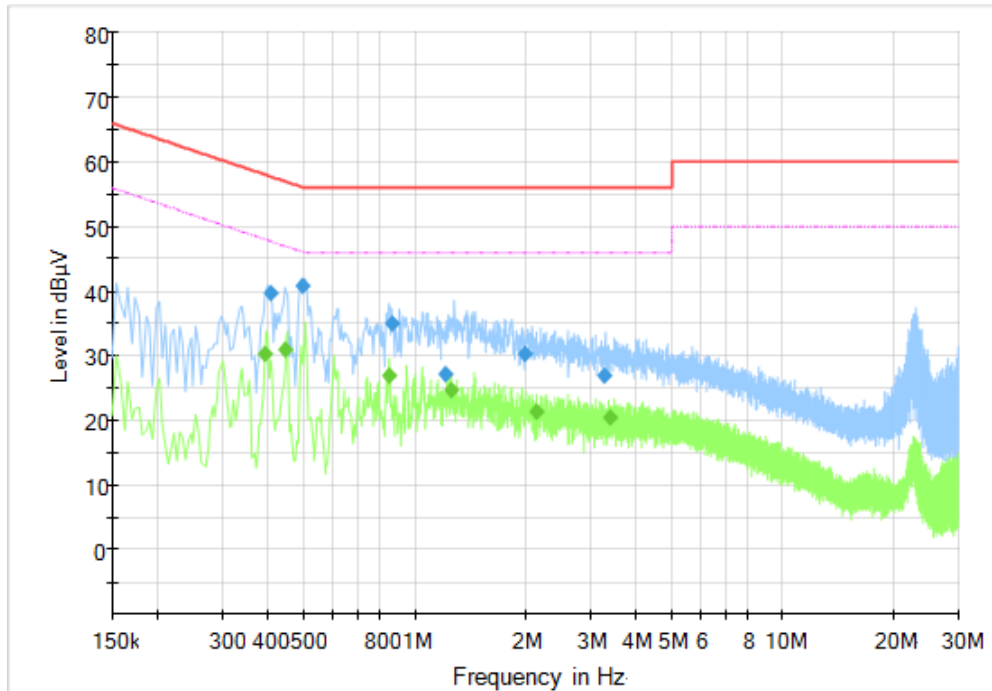
**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
3.504	27.80	56.00	28.20	N	ON	9.7
2.416	29.00	56.00	27.00	N	ON	9.7
1.464	33.07	56.00	22.93	N	ON	9.7
0.860	35.74	56.00	20.26	N	ON	9.7
0.496	40.99	56.07	15.07	N	ON	9.6
0.154	42.04	65.78	23.74	L1	ON	9.6

**Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.508	31.97	46.00	14.03	N	ON	9.6
0.856	26.31	46.00	19.69	N	ON	9.7
0.154	28.14	55.78	27.64	N	ON	9.6
1.452	24.08	46.00	21.92	N	ON	9.7
3.484	20.03	46.00	25.97	N	ON	9.7
2.428	21.34	46.00	24.66	N	ON	9.7





**Fig. 96 AC Power line Conducted Emission (Idle, AE2, 120V)**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
3.260	26.93	56.00	29.07	L1	ON	9.7
1.216	27.21	56.00	28.79	N	ON	9.7
2.000	30.28	56.00	25.72	L1	ON	9.7
0.864	34.91	56.00	21.09	L1	ON	9.7
0.404	39.69	57.77	18.09	L1	ON	9.7
0.496	40.82	56.07	15.25	L1	ON	9.6

**Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.392	30.19	48.02	17.83	L1	ON	9.7
0.852	26.95	46.00	19.05	L1	ON	9.7
3.396	20.38	46.00	25.62	L1	ON	9.7
1.252	24.79	46.00	21.21	L1	ON	9.7
0.444	31.03	46.99	15.96	L1	ON	9.6
2.140	21.40	46.00	24.60	L1	ON	9.7

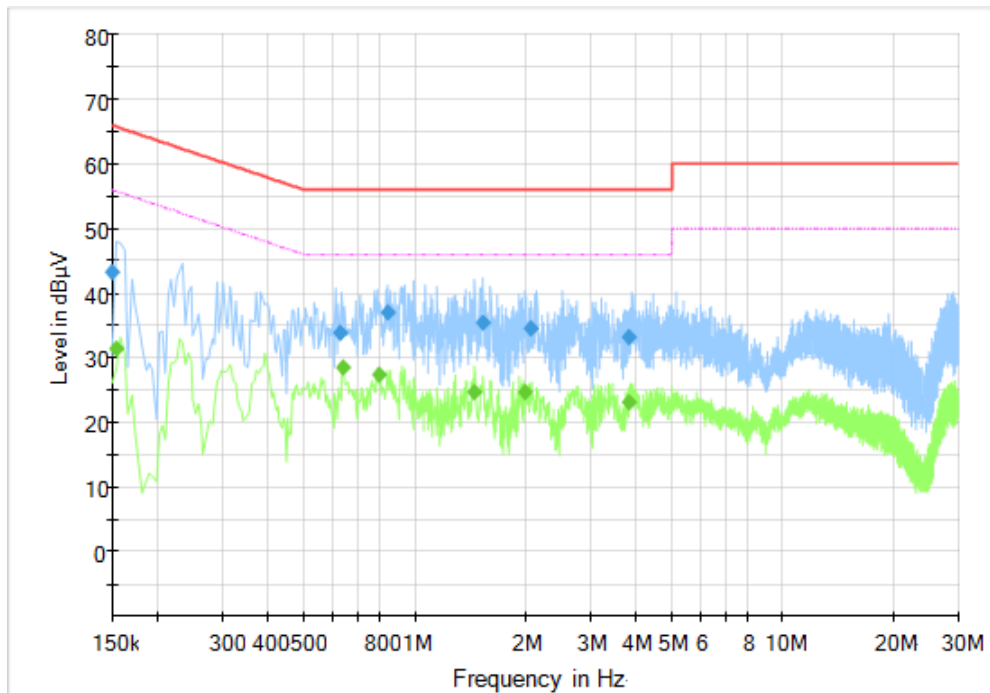


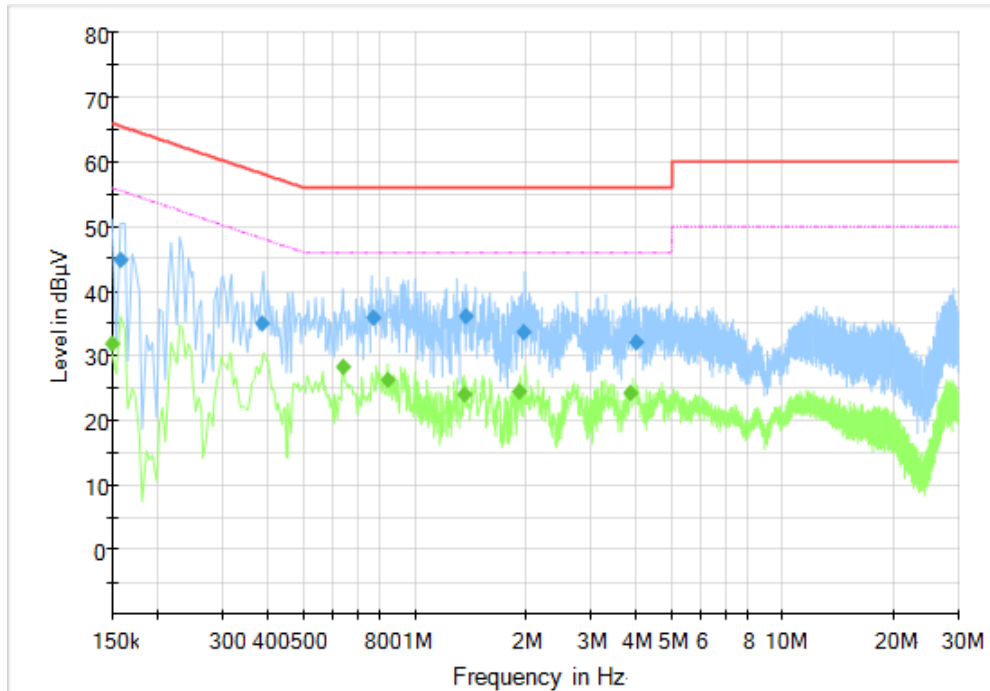
Fig. 97 AC Powerline Conducted Emission (Traffic, AE1, 240V)

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
3.824	33.14	56.00	22.86	L1	ON	9.7
0.628	33.81	56.00	22.19	L1	ON	9.6
2.068	34.63	56.00	21.37	L1	ON	9.7
1.532	35.37	56.00	20.63	L1	ON	9.7
0.840	37.05	56.00	18.95	L1	ON	9.6
0.150	43.39	66.00	22.61	N	ON	9.6

**Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.796	27.28	46.00	18.72	N	ON	9.6
0.636	28.54	46.00	17.46	N	ON	9.6
1.456	24.64	46.00	21.36	L1	ON	9.7
3.828	23.13	46.00	22.87	L1	ON	9.7
0.154	31.42	55.78	24.36	N	ON	9.6
1.992	24.66	46.00	21.34	L1	ON	9.7



**Fig. 98 AC Power line Conducted Emission (Idle, AE1, 240V)**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
3.980	32.18	56.00	23.82	L1	ON	9.7
1.980	33.60	56.00	22.40	L1	ON	9.7
0.384	35.09	58.19	23.10	L1	ON	9.6
0.768	35.86	56.00	20.14	L1	ON	9.6
1.380	36.16	56.00	19.84	L1	ON	9.7
0.158	44.86	65.57	20.71	N	ON	9.6

**Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.840	26.31	46.00	19.69	L1	ON	9.6
3.844	24.15	46.00	21.85	N	ON	9.7
0.640	28.21	46.00	17.79	N	ON	9.6
1.356	24.13	46.00	21.87	L1	ON	9.7
1.920	24.46	46.00	21.54	L1	ON	9.7
0.150	31.89	56.00	24.11	N	ON	9.6

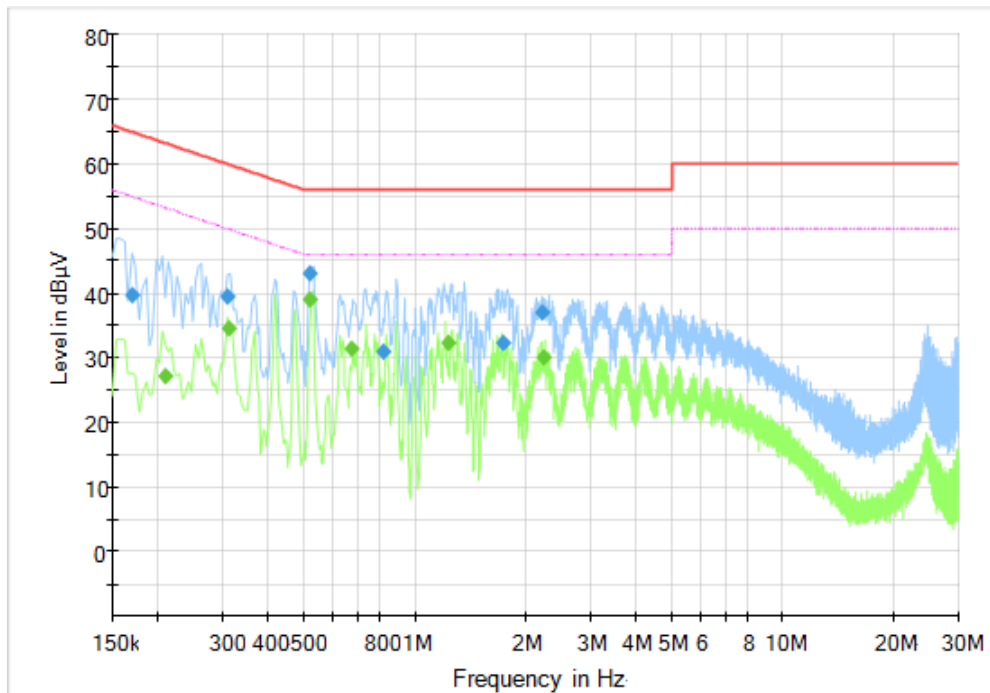


Fig. 99 AC Powerline Conducted Emission (Traffic, AE2, 240V)

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.820	30.98	56.00	25.02	L1	ON	9.6
1.744	32.38	56.00	23.62	L1	ON	9.7
2.212	36.91	56.00	19.09	N	ON	9.7
0.308	39.39	60.02	20.63	L1	ON	9.6
0.170	39.78	64.96	25.18	L1	ON	9.6
0.516	42.97	56.00	13.03	N	ON	9.6

**Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.312	34.56	49.92	15.35	N	ON	9.6
0.520	38.93	46.00	7.07	N	ON	9.6
1.228	32.40	46.00	13.60	N	ON	9.7
2.232	30.01	46.00	15.99	N	ON	9.7
0.210	27.11	53.21	26.09	L1	ON	9.6
0.672	31.33	46.00	14.67	N	ON	9.6

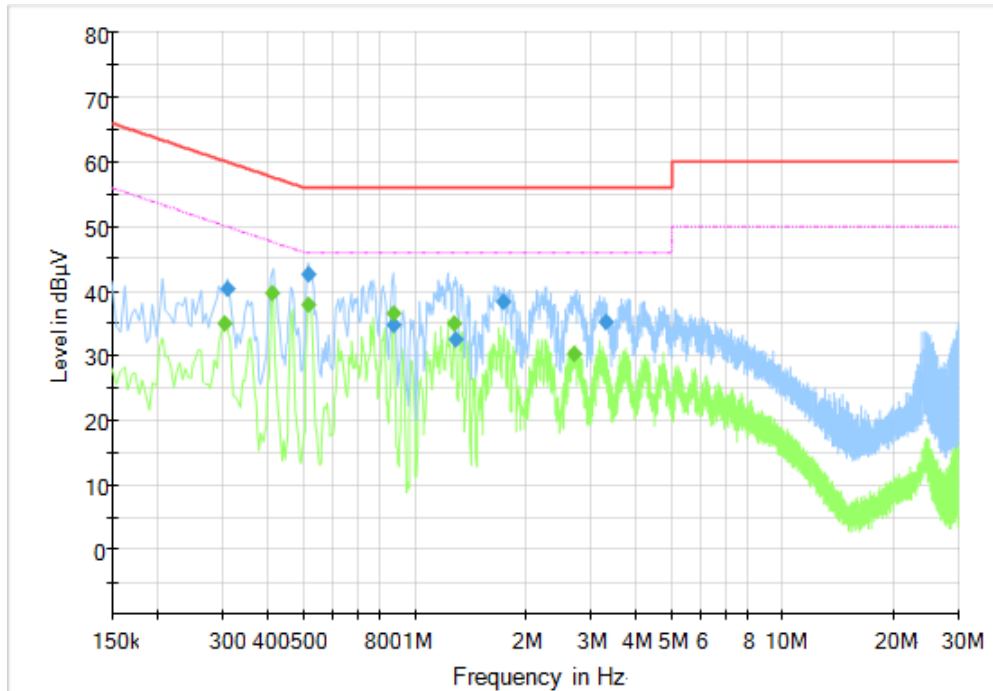


Fig. 100 AC Power line Conducted Emission (Idle, AE2, 240V)

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
1.292	32.64	56.00	23.36	N	ON	9.7
0.872	34.74	56.00	21.26	N	ON	9.7
3.316	35.32	56.00	20.68	L1	ON	9.7
1.732	38.33	56.00	17.67	L1	ON	9.7
0.308	40.28	60.02	19.75	L1	ON	9.6
0.512	42.64	56.00	13.36	L1	ON	9.6

**Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.872	36.57	46.00	9.43	L1	ON	9.7
0.512	37.97	46.00	8.03	L1	ON	9.6
0.304	35.02	50.13	15.11	L1	ON	9.6
1.280	34.98	46.00	11.02	L1	ON	9.7
0.408	39.68	47.69	8.01	L1	ON	9.7
2.716	30.20	46.00	15.80	L1	ON	9.7

\*\*\*END OF REPORT\*\*\*