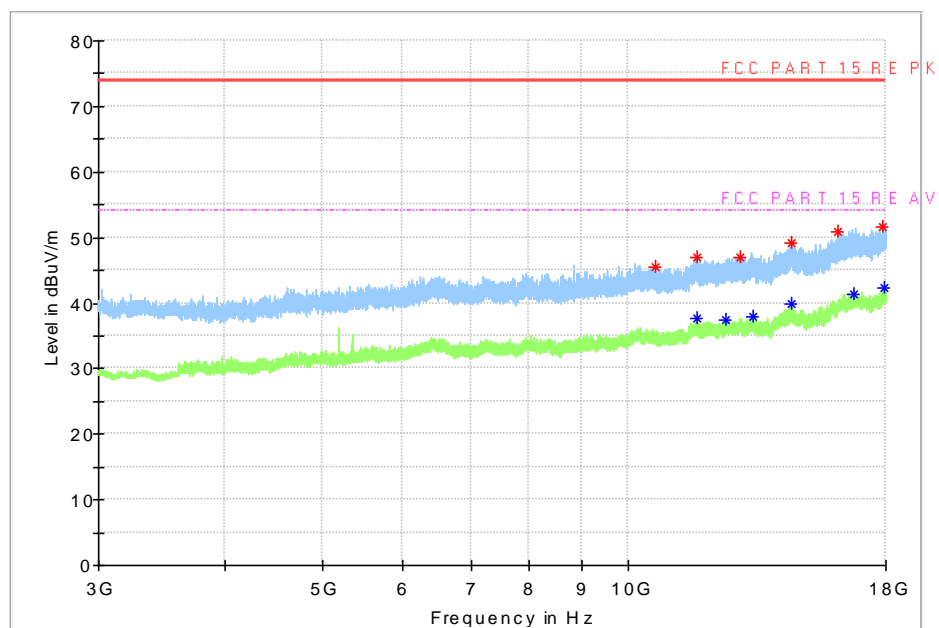
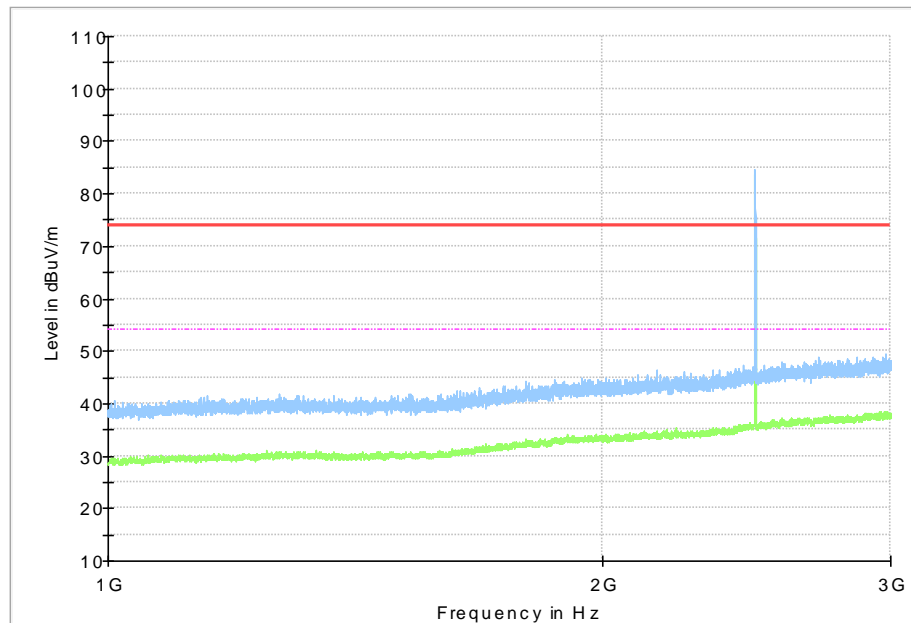


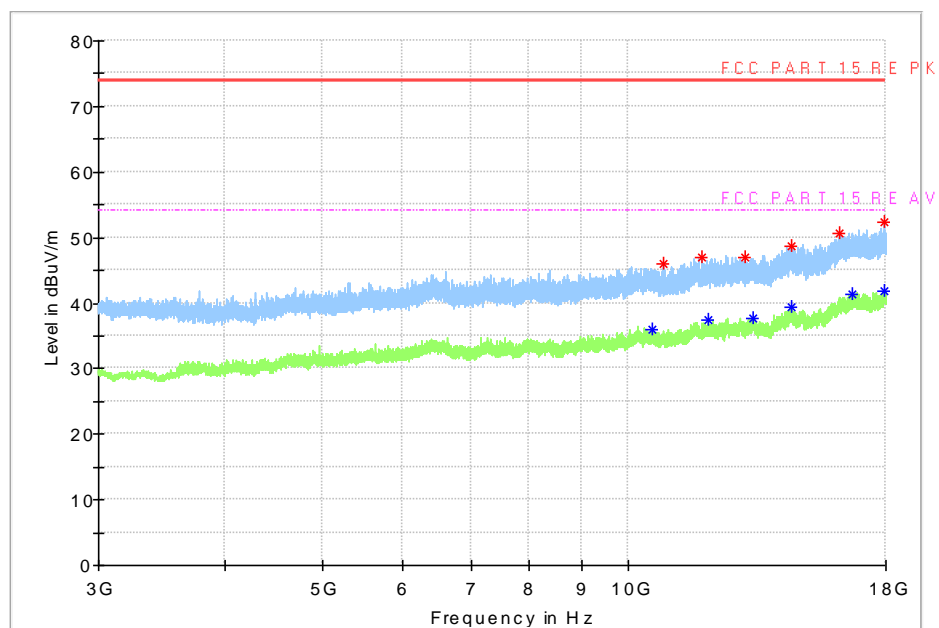
**Fig.60 Radiated Spurious Emission, LE 1M (GFSK, Ch19, 1 GHz ~3 GHz)**



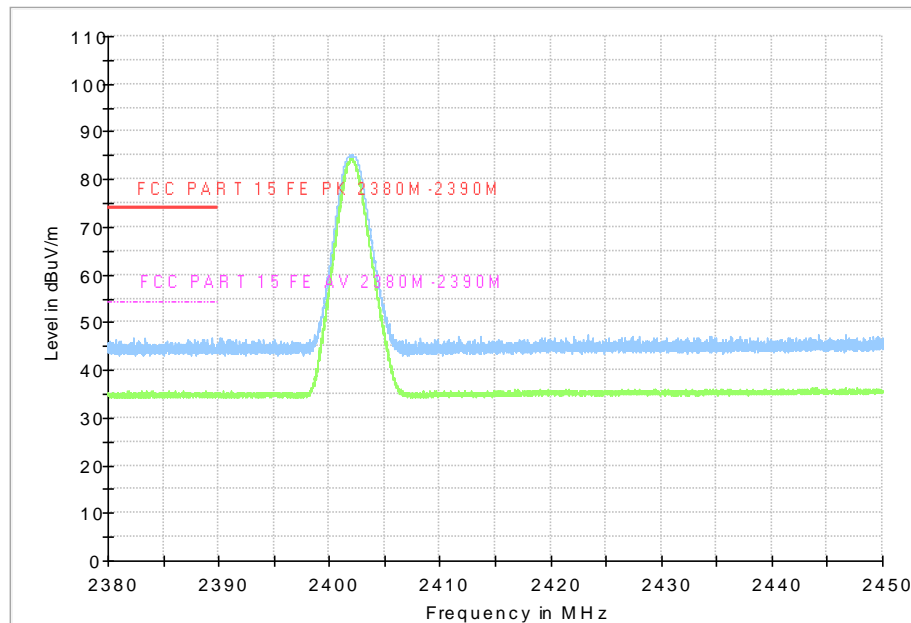
**Fig.61 Radiated Spurious Emission, LE 1M (GFSK, Ch19, 3 GHz ~18 GHz)**



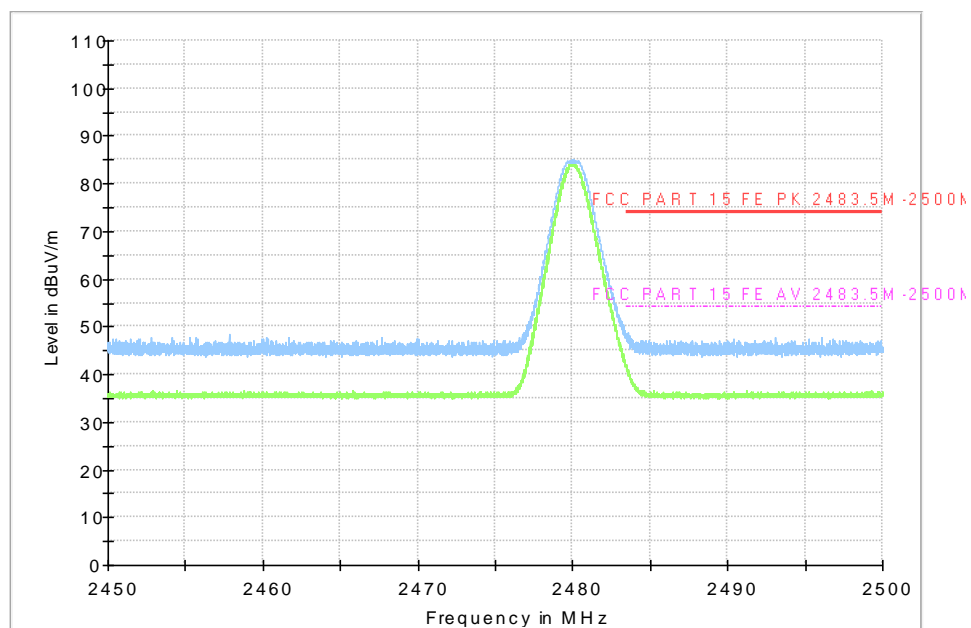
**Fig.62 Radiated Spurious Emission, LE 1M (GFSK, Ch39, 1 GHz ~3 GHz)**



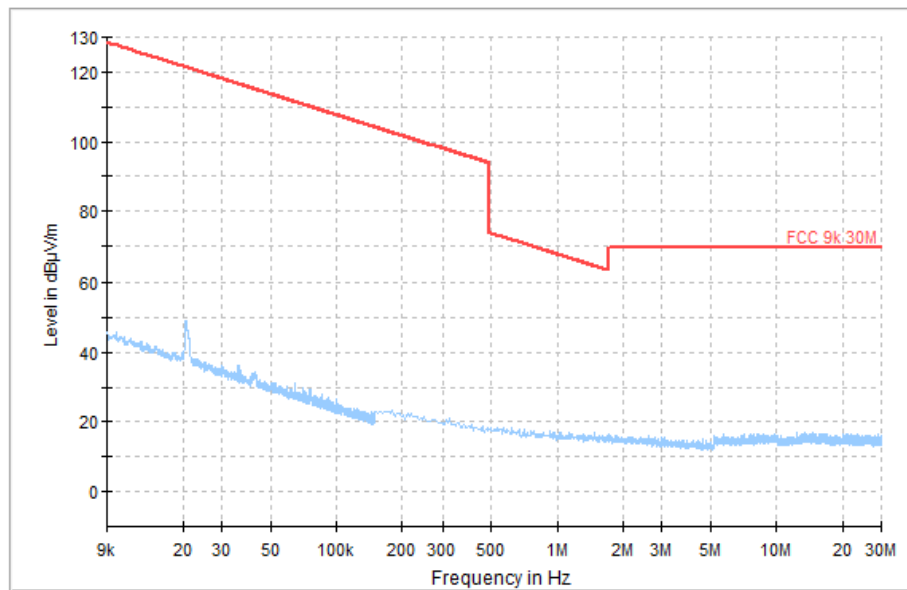
**Fig.63 Radiated Spurious Emission, LE 1M (GFSK, Ch39, 3 GHz ~18 GHz)**



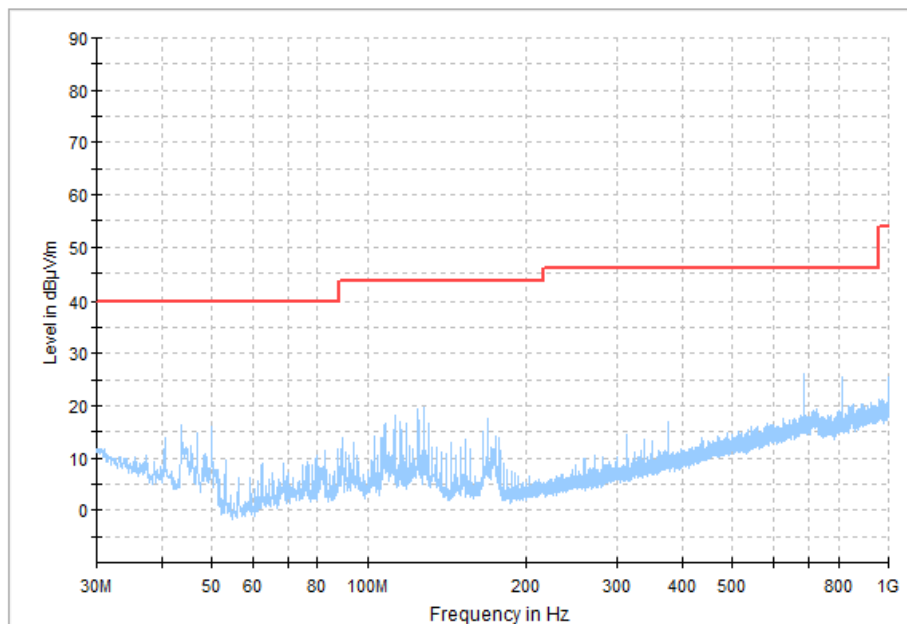
**Fig.64 Radiated Band Edges, LE 1M (GFSK, Ch0, 2380GHz~2450GHz)**



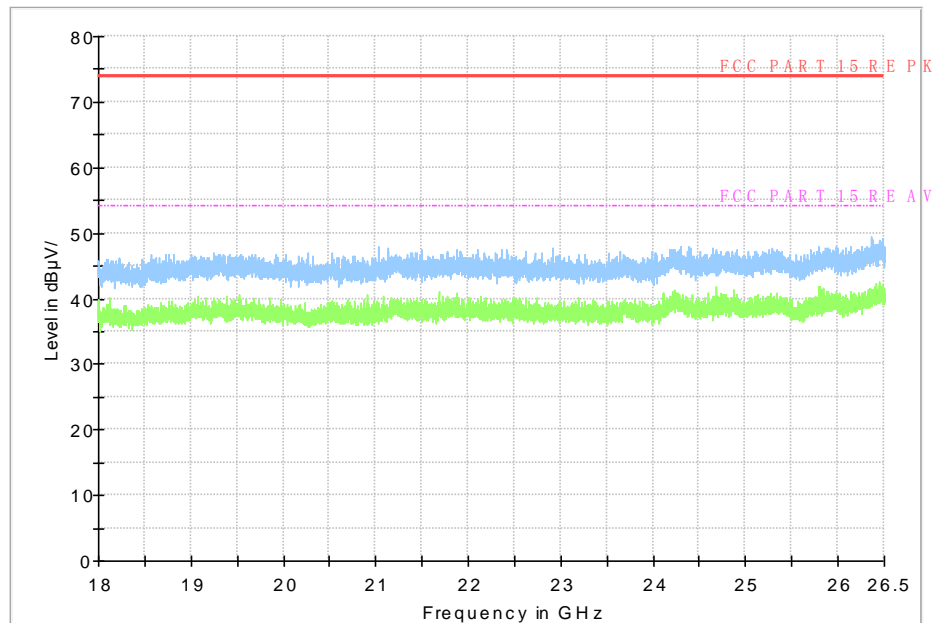
**Fig.65 Radiated Band Edges, LE 1M (GFSK, Ch39, 2450GHz~2500GHz)**



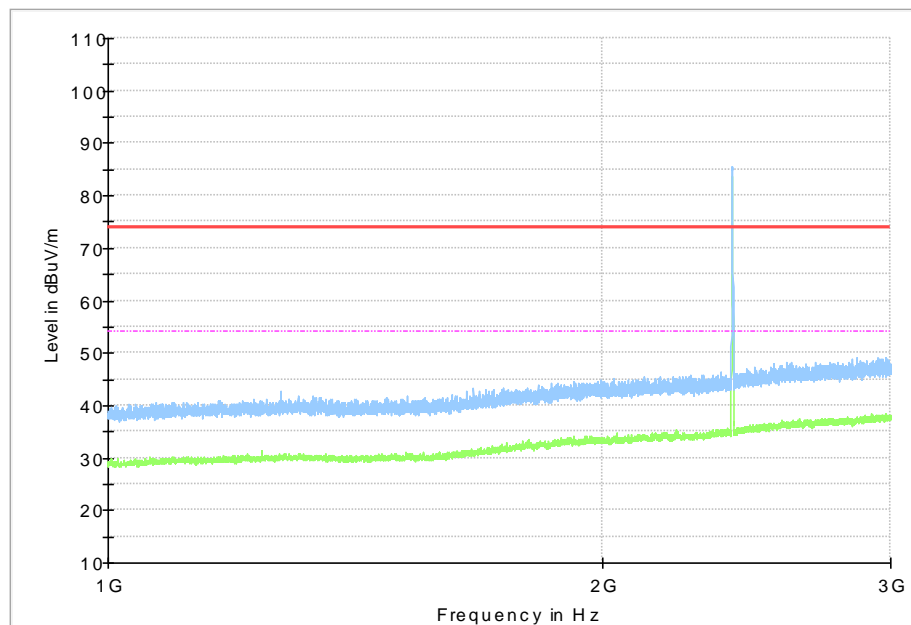
**Fig.66 Radiated Spurious Emission, LE 1M (All Channels, 9 kHz-30 MHz)**



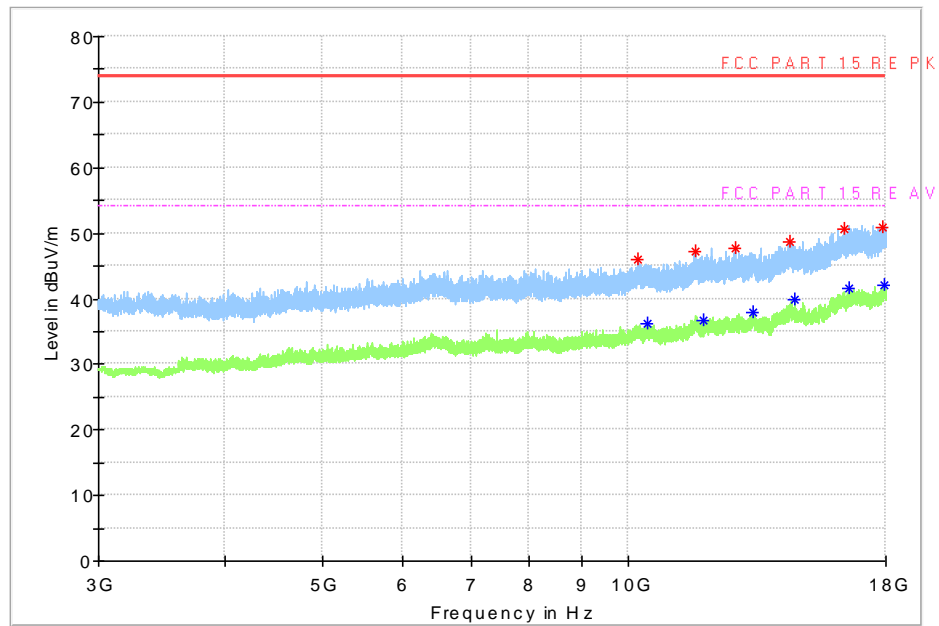
**Fig.67 Radiated Spurious Emission, LE 1M (All Channels, 30 MHz-1 GHz)**



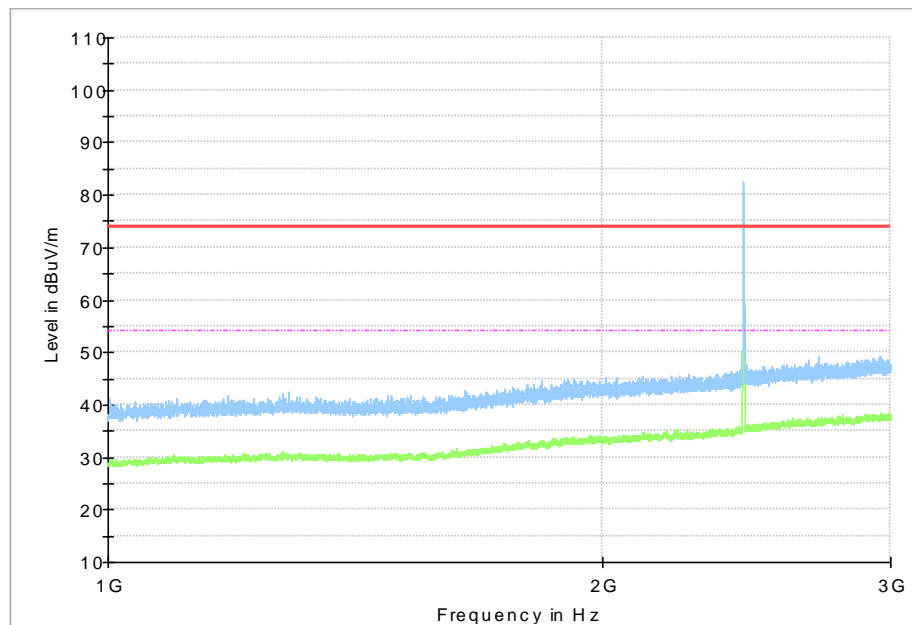
**Fig.68 Radiated Spurious Emission, LE 1M (All Channels, 18 GHz-26.5 GHz)**



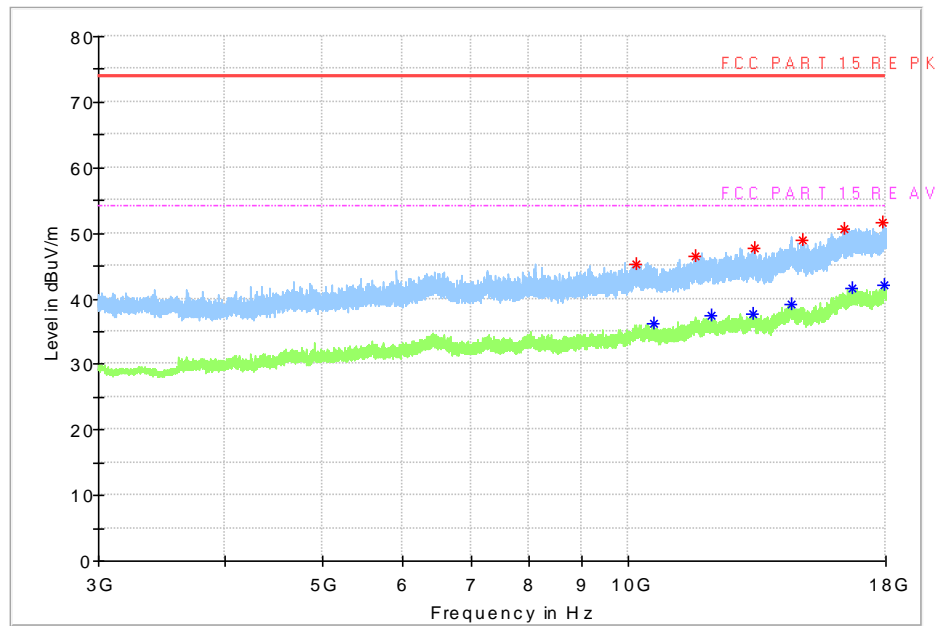
**Fig.69 Radiated Spurious Emission, LE 2M (GFSK, Ch0, 1 GHz ~3 GHz)**



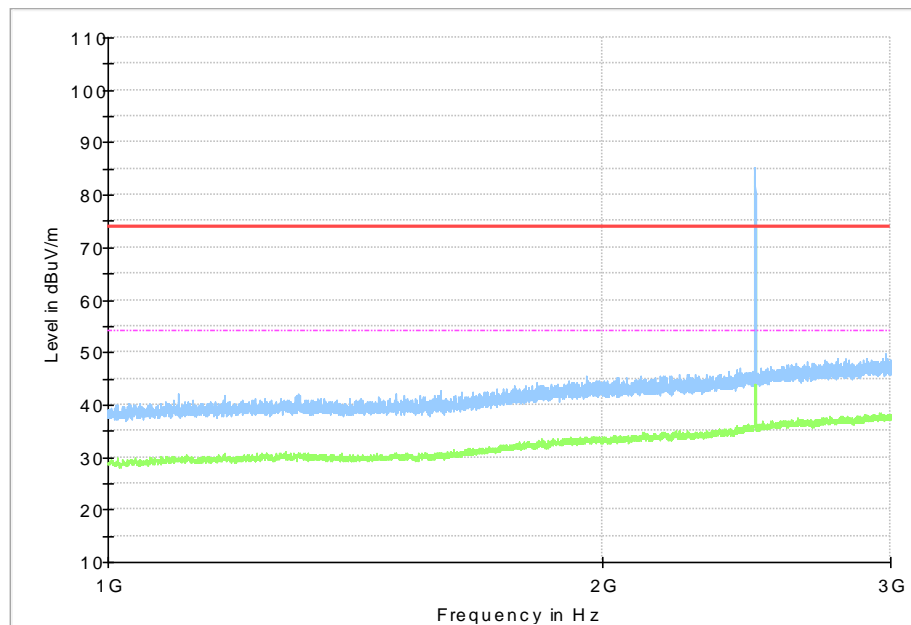
**Fig.70 Radiated Spurious Emission , LE 2M (GFSK, Ch0, 3 GHz ~18 GHz)**



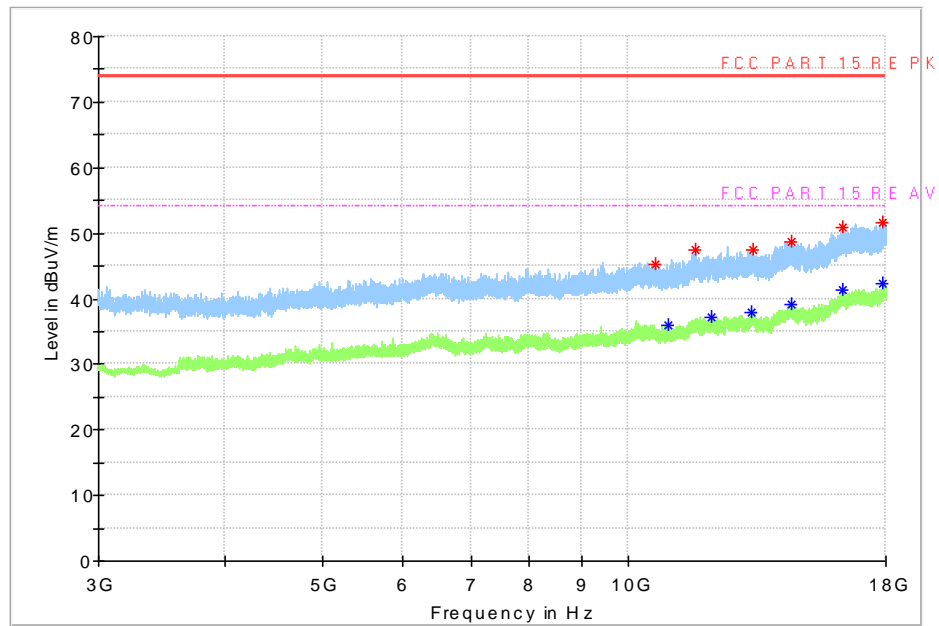
**Fig.71 Radiated Spurious Emission, LE 2M (GFSK, Ch19, 1 GHz ~3 GHz)**



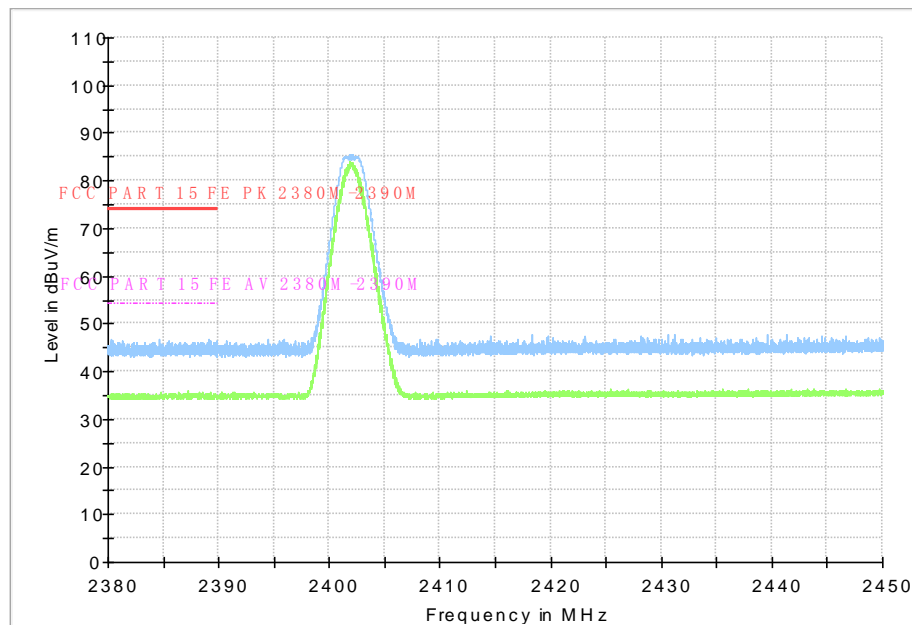
**Fig.72 Radiated Spurious Emission, LE 2M (GFSK, Ch19, 3 GHz ~18 GHz)**



**Fig.73 Radiated Spurious Emission, LE 2M (GFSK, Ch39, 1 GHz ~3 GHz)**

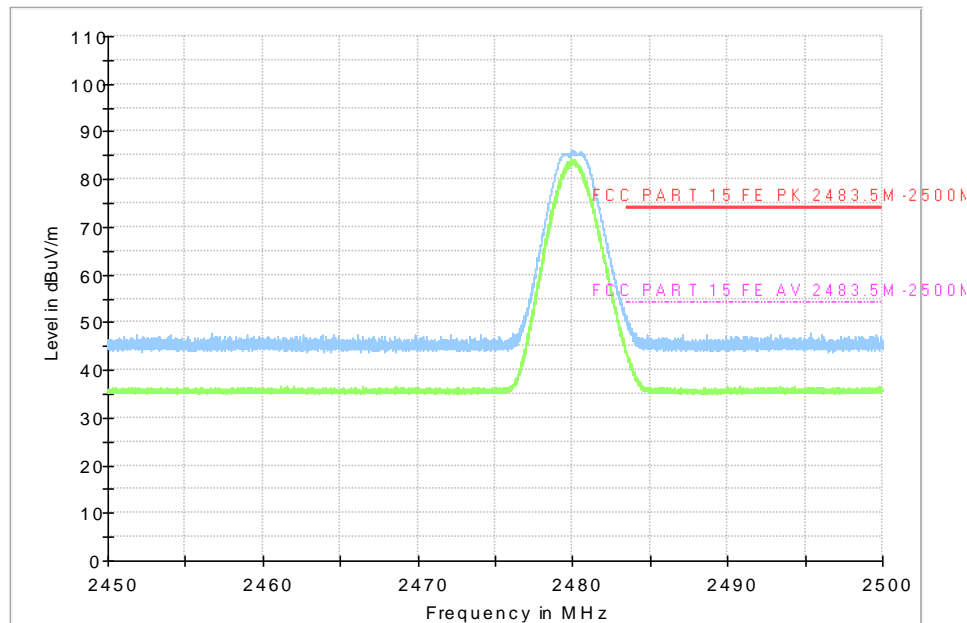


**Fig.74 Radiated Spurious Emission, LE 2M (GFSK, Ch39, 3 GHz ~18 GHz)**

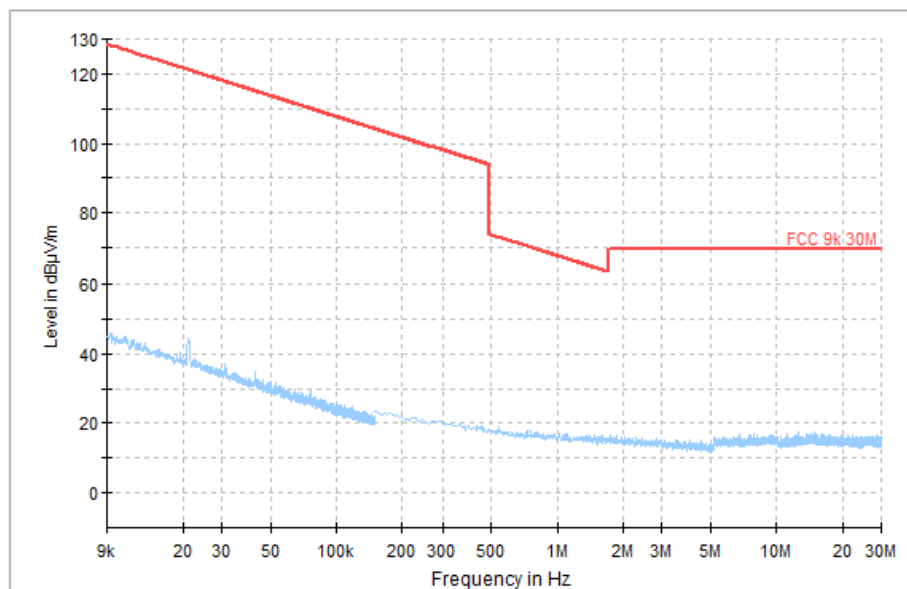


**Fig.75 Radiated Band Edges, LE 2M (GFSK, Ch0, 2380GHz~2450GHz)**

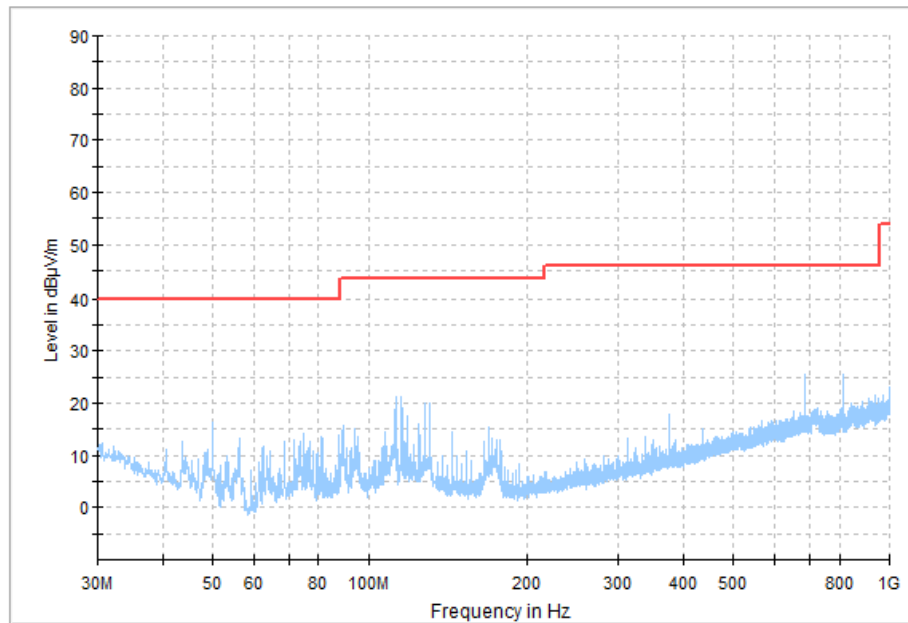




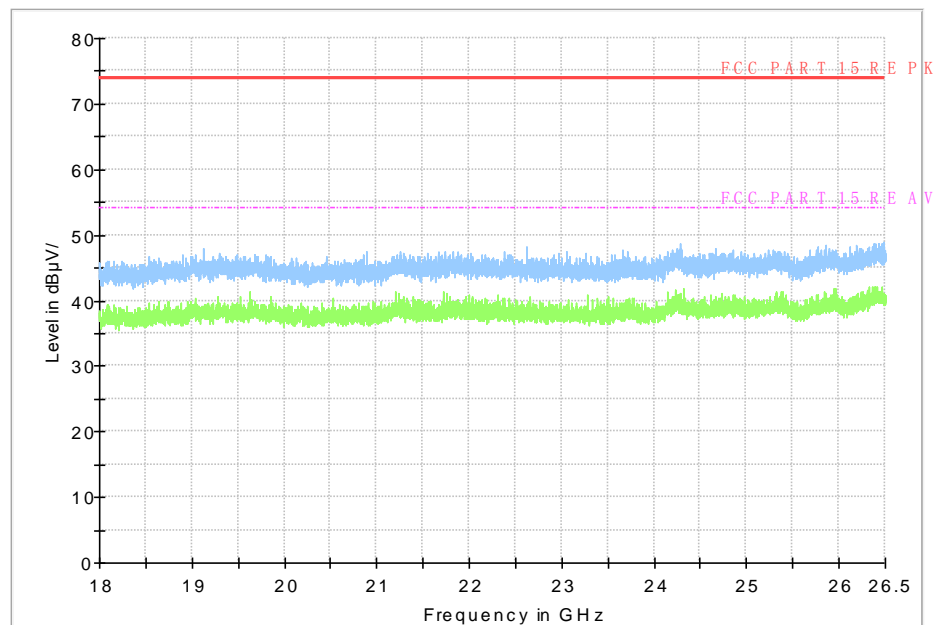
**Fig.76 Radiated Band Edges, LE 2M (GFSK, Ch39, 2450GHz~2500GHz)**



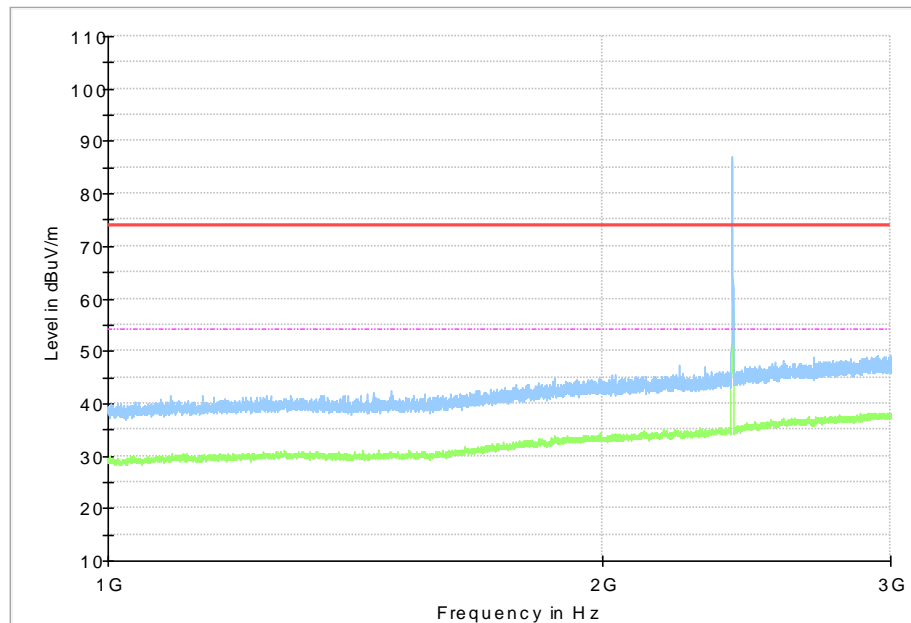
**Fig.77 Radiated Spurious Emission, LE 2M (All Channels, 9 kHz-30 MHz)**



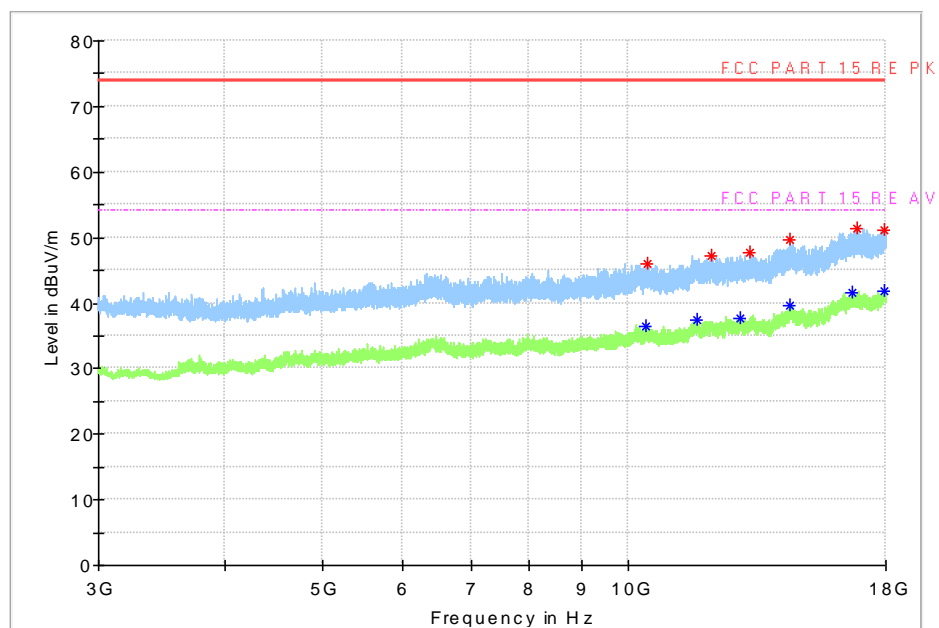
**Fig.78 Radiated Spurious Emission, LE 2M (All Channels, 30 MHz-1 GHz)**



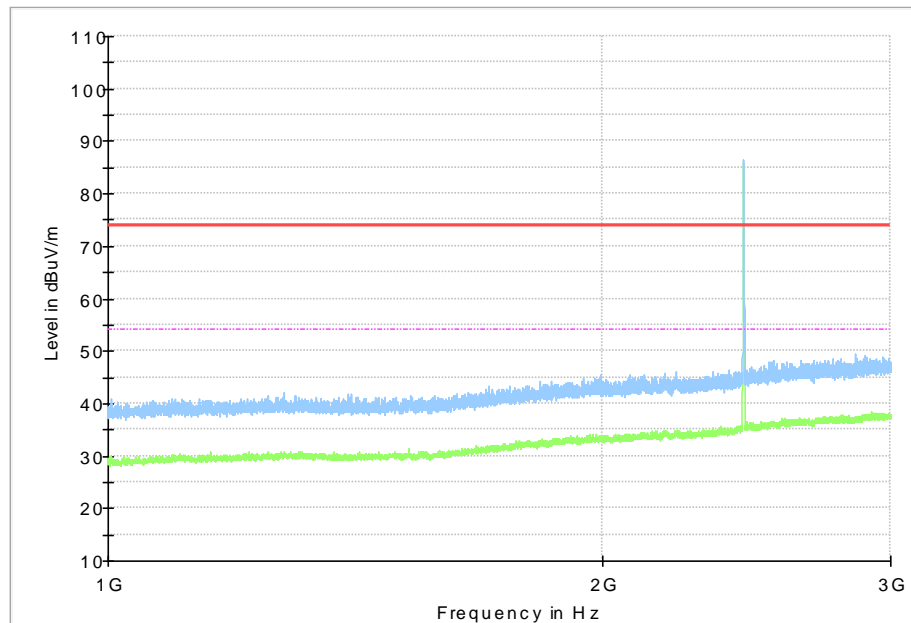
**Fig.79 Radiated Spurious Emission, LE 2M (All Channels, 18 GHz-26.5 GHz)**



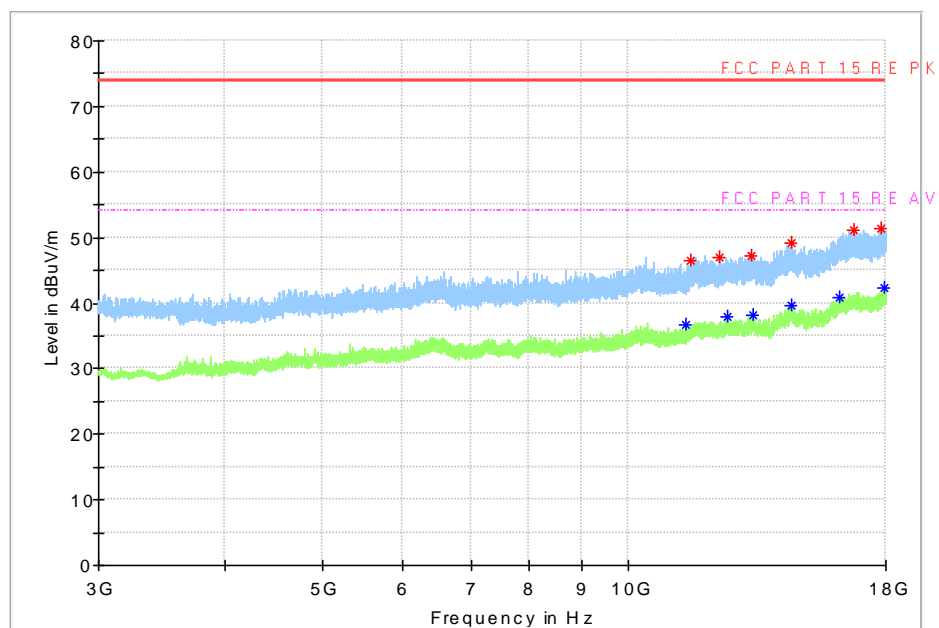
**Fig.80 Radiated Spurious Emission, LE Coded (GFSK, Ch0, 1 GHz ~3 GHz)**



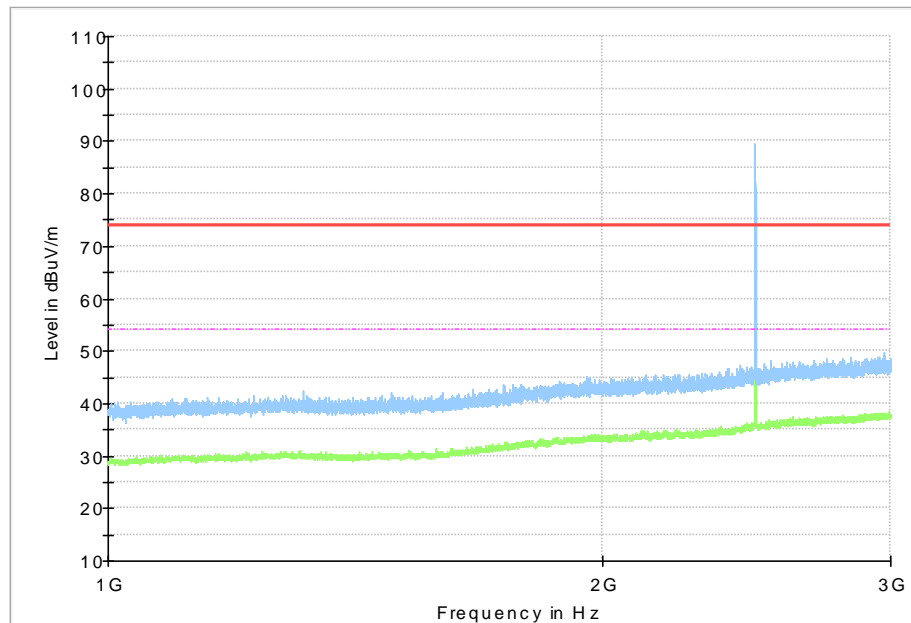
**Fig.81 Radiated Spurious Emission, LE Coded (GFSK, Ch0, 3 GHz ~18 GHz)**



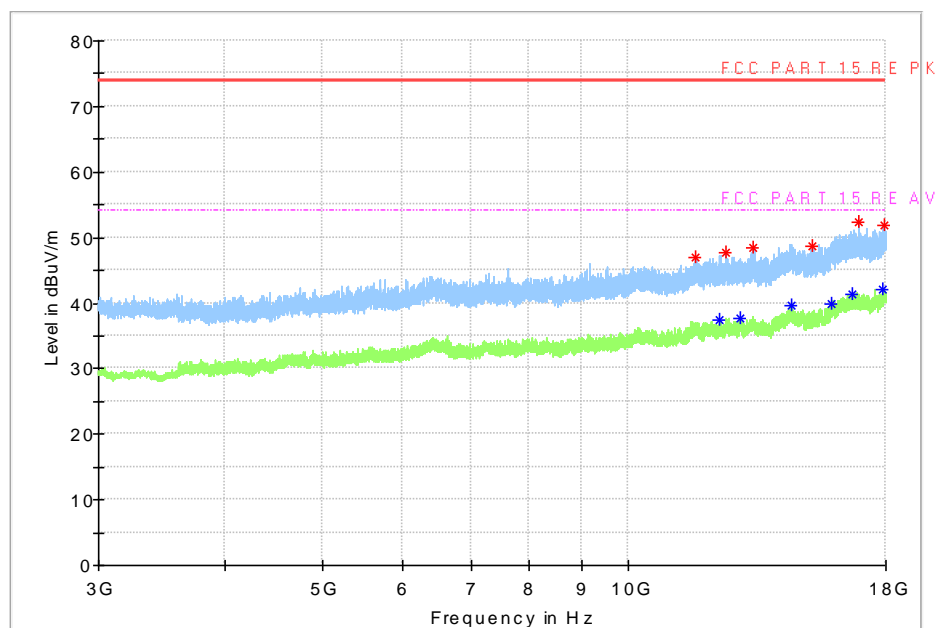
**Fig.82 Radiated Spurious Emission, LE Coded (GFSK, Ch19, 1 GHz ~3 GHz)**



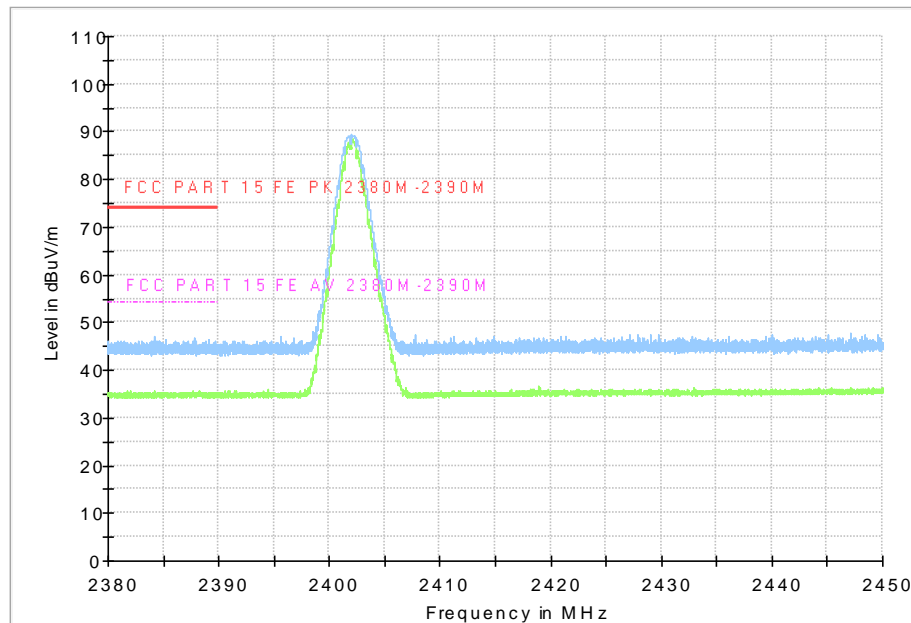
**Fig.83 Radiated Spurious Emission, LE Coded (GFSK, Ch19, 3 GHz ~18 GHz)**



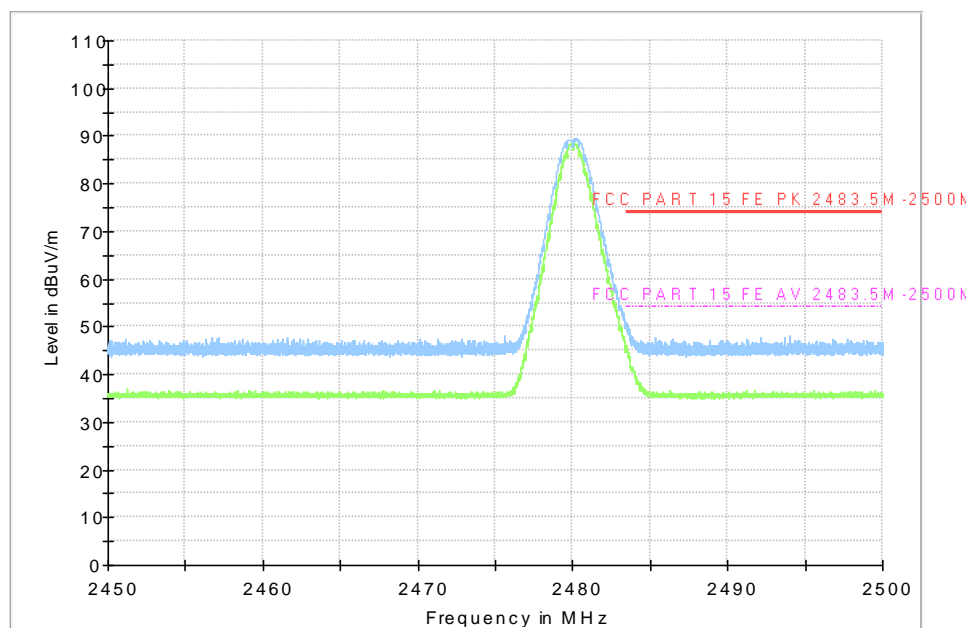
**Fig.84 Radiated Spurious Emission, LE Coded (GFSK, Ch39, 1 GHz ~3 GHz)**



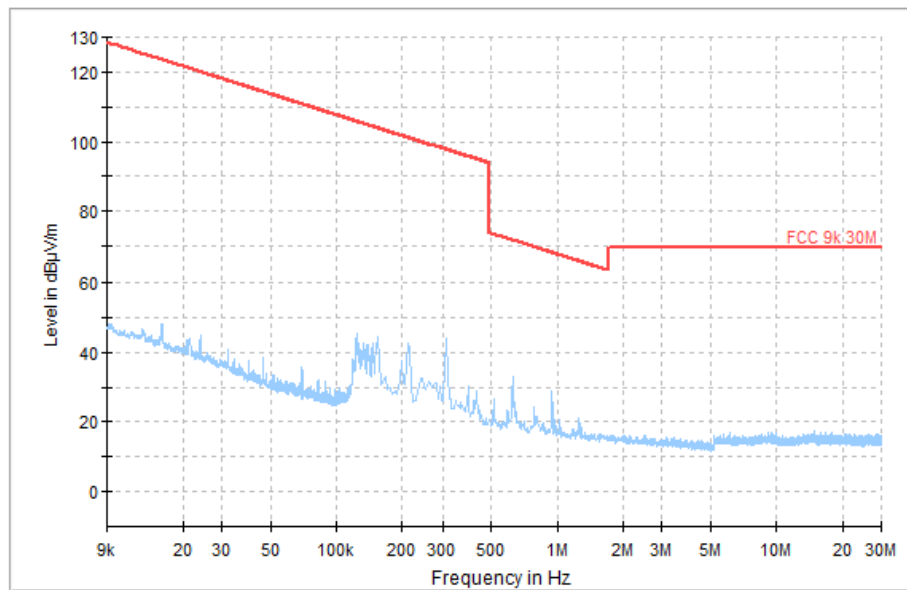
**Fig.85 Radiated Spurious Emission, LE Coded (GFSK, Ch39, 3 GHz ~18 GHz)**



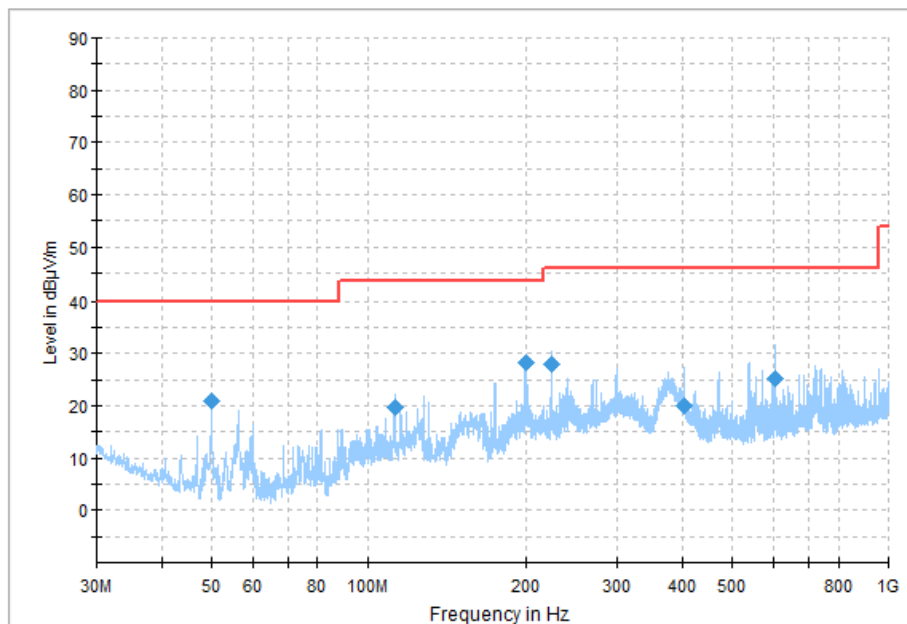
**Fig.86 Radiated Band Edges, LE Coded (GFSK, Ch0, 2380GHz~2450GHz)**



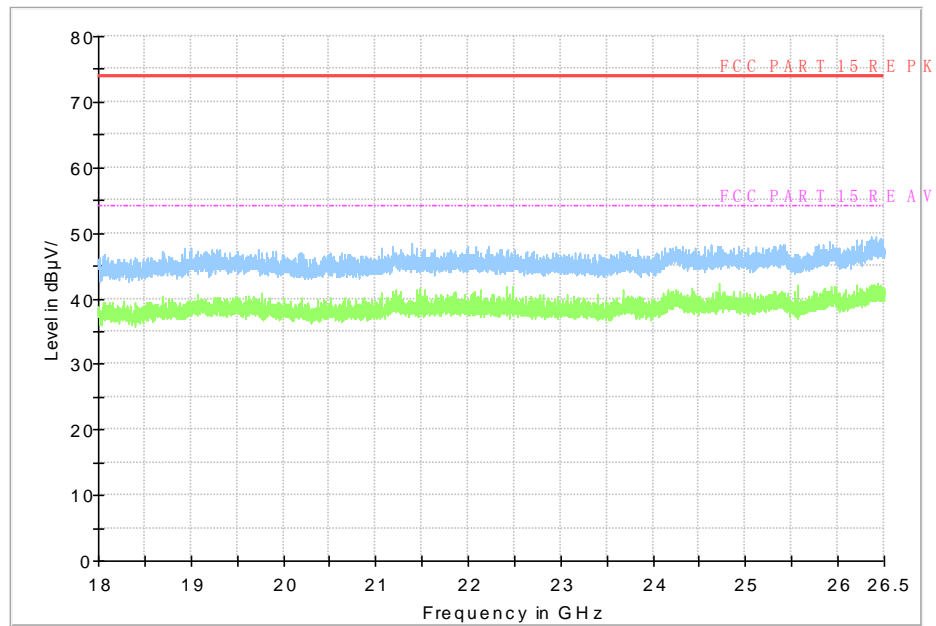
**Fig.87 Radiated Band Edges, LE Coded (GFSK, Ch39, 2450GHz~2500GHz)**



**Fig.88 Radiated Spurious Emission, LE Coded (All Channels, 9 kHz-30 MHz)**



**Fig.89 Radiated Spurious Emission, LE Coded (All Channels, 30 MHz-1 GHz)**



**Fig.90 Radiated Spurious Emission, LE Coded (All Channels, 18 GHz-26.5 GHz)**



## A.7 AC Power line Conducted Emission

### Test Condition:

Voltage (V)	Frequency (Hz)
120	60

### Measurement Result and limit:

#### LE 1M:

##### BLE (Quasi-peak Limit)

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.91	Fig.92	<b>P</b>
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.

##### BLE (Average Limit)

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 91	Fig 92	<b>P</b>
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.

#### LE 2M:

##### BLE (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.16 to 0.5	66 to 56	Fig.93	Fig.94	<b>P</b>
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.

##### BLE (Average Limit)

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	<b>P</b>
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.

**LE Coded:**

BLE (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.17 to 0.5	66 to 56	Fig.95	Fig.96	<b>P</b>
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.				

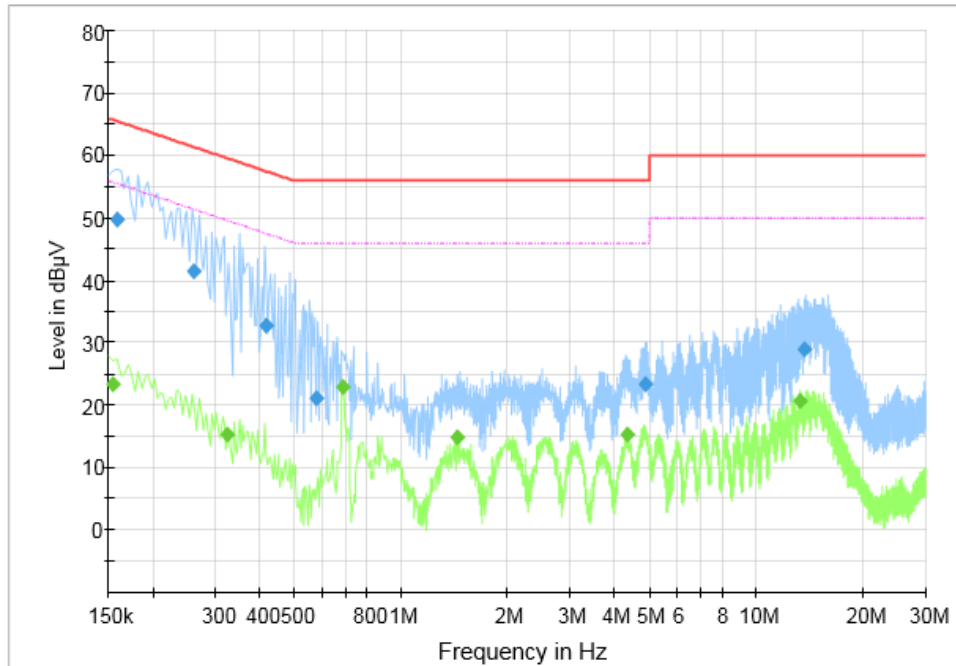
BLE (Average Limit)

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)		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.				

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

**See below for test graphs.**

**Conclusion: Pass**



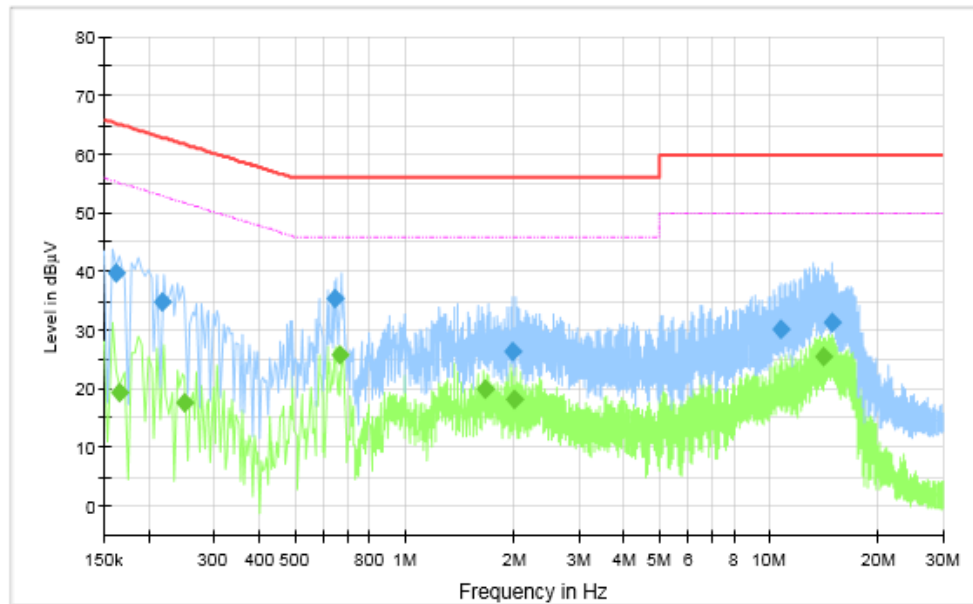
**Fig.91 AC Power line Conducted Emission (Traffic), LE 1M**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.158	49.73	65.57	15.84	N	ON	9.6
0.260	41.57	61.43	19.86	L1	ON	9.6
0.416	32.75	57.53	24.78	L1	ON	9.7
0.576	21.05	56.00	34.95	N	ON	9.6
4.876	23.32	56.00	32.68	L1	ON	9.7
13.700	28.85	60.00	31.15	N	ON	9.8

**Measurement Results : Average**

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154	23.45	55.78	32.33	L1	ON	9.6
0.324	15.40	49.60	34.20	N	ON	9.6
0.688	23.01	46.00	22.99	N	ON	9.6
1.444	14.96	46.00	31.04	N	ON	9.7
4.348	15.27	46.00	30.73	N	ON	9.7
13.240	20.63	50.00	29.37	L1	ON	9.8



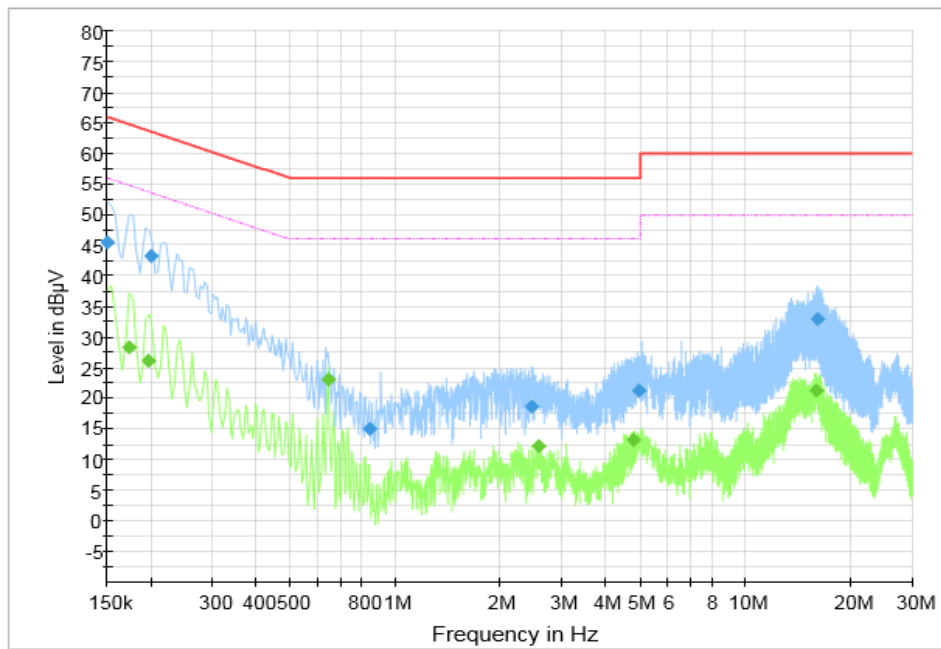
**Fig.92 AC Power line Conducted Emission (Idle), LE 1M**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
1.968	26.53	56.00	29.47	N	ON	9.7
10.732	30.18	60.00	29.82	N	ON	9.8
14.860	31.39	60.00	28.61	N	ON	9.8
0.216	34.74	62.97	28.23	N	ON	9.6
0.644	35.43	56.00	20.57	N	ON	9.6
0.162	39.94	65.36	25.42	N	ON	9.6

**Measurement Results : Average**

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.166	19.47	55.16	35.69	N	ON	9.6
0.248	17.65	51.82	34.18	N	ON	9.6
0.664	25.82	46.00	20.18	N	ON	9.6
1.672	20.11	46.00	25.89	N	ON	9.7
1.996	18.31	46.00	27.69	N	ON	9.7
14.156	25.46	50.00	24.54	N	ON	9.8



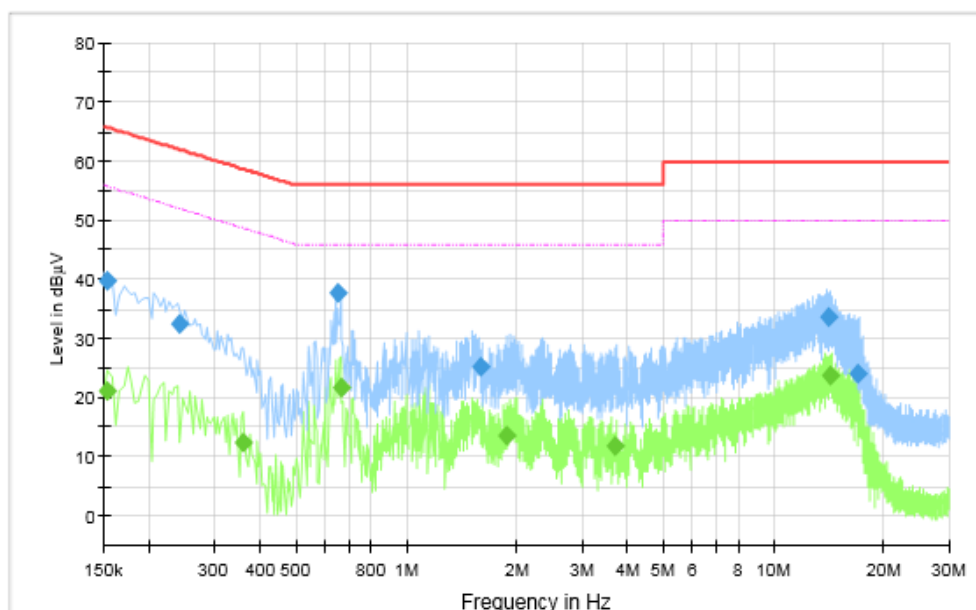
**Fig.93 AC Power line Conducted Emission (Traffic), LE 2M**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	45.42	66.00	20.58	N	ON	9.6
0.200000	43.22	63.61	20.39	N	ON	9.6
0.840000	14.99	56.00	41.01	N	ON	9.6
2.456000	18.56	56.00	37.44	N	ON	9.7
4.980000	21.37	56.00	34.63	L1	ON	9.7
16.112000	32.96	60.00	27.04	N	ON	9.8

**Measurement Results : Average**

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174000	28.28	54.77	26.49	N	ON	9.6
0.196000	26.07	53.78	27.71	N	ON	9.6
0.644000	23.17	46.00	22.83	N	ON	9.6
2.576000	12.17	46.00	33.83	N	ON	9.7
4.804000	13.18	46.00	32.82	N	ON	9.7
15.956000	21.37	50.00	28.63	N	ON	9.8



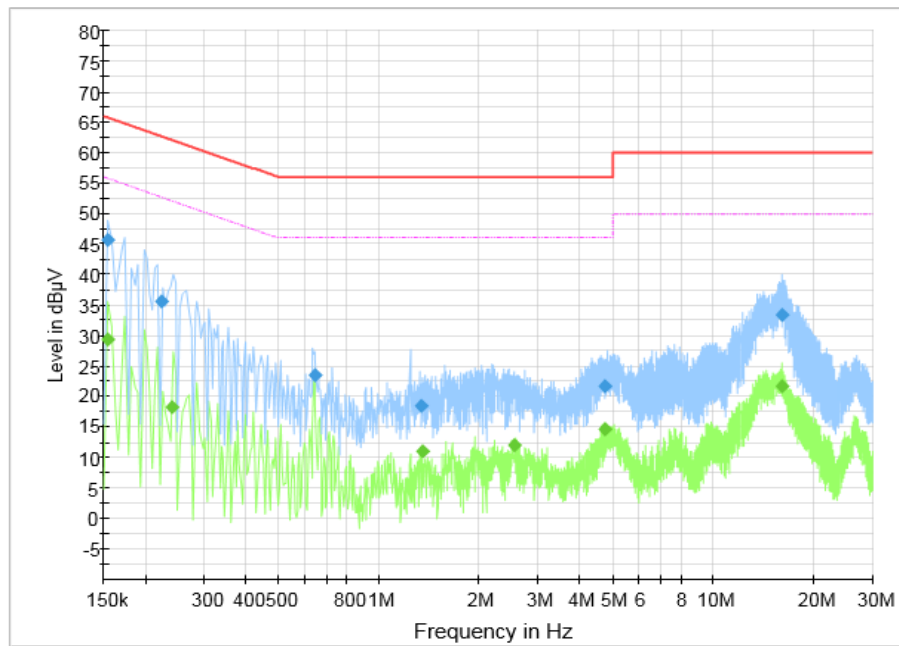
**Fig.94 AC Power line Conducted Emission (Idle), LE 2M**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
16.952	24.06	60.00	35.94	N	ON	9.8
1.592	25.37	56.00	30.63	N	ON	9.7
0.240	32.51	62.10	29.58	N	ON	9.6
14.128	33.63	60.00	26.37	N	ON	9.8
0.652	37.67	56.00	18.33	N	ON	9.6
0.154	39.68	65.78	26.10	N	ON	9.6

**Measurement Results : Average**

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154	21.15	55.78	34.63	L1	ON	9.6
0.360	12.33	48.73	36.40	L1	ON	9.6
0.668	21.90	46.00	24.10	N	ON	9.6
1.876	13.60	46.00	32.40	N	ON	9.7
3.696	11.94	46.00	34.06	N	ON	9.7
14.264	23.96	50.00	26.04	N	ON	9.8



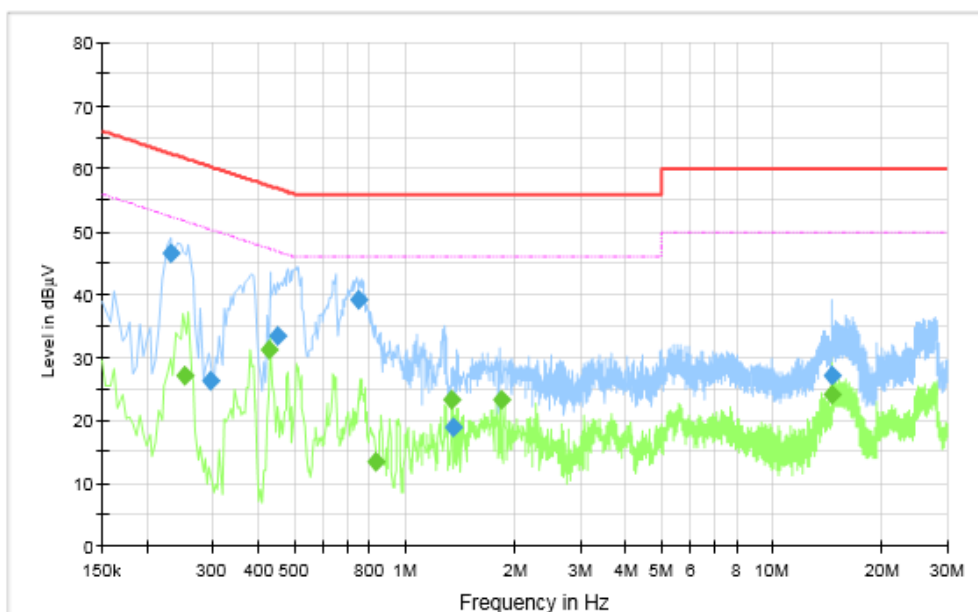
**Fig.95 AC Power line Conducted Emission (Traffic), LE Coded**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000	45.72	65.78	20.06	N	ON	9.6
0.224000	35.57	62.67	27.10	N	ON	9.6
0.644000	23.58	56.00	32.42	L1	ON	9.6
1.332000	18.46	56.00	37.54	N	ON	9.7
4.756000	21.67	56.00	34.33	L1	ON	9.7
16.044000	33.30	60.00	26.70	N	ON	9.8

**Measurement Results : Average**

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000	29.39	55.78	26.39	L1	ON	9.6
0.240000	18.35	52.10	33.75	N	ON	9.6
1.352000	10.91	46.00	35.09	N	ON	9.7
2.532000	12.04	46.00	33.96	N	ON	9.7
4.744000	14.69	46.00	31.31	N	ON	9.7
16.036000	21.73	50.00	28.27	N	ON	9.8



**Fig.96 AC Power line Conducted Emission (Idle), LE Coded**

**Measurement Results: Quasi Peak**

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
1.360	18.85	56.00	37.15	L1	ON	9.7
0.296	26.19	60.35	34.17	N	ON	9.6
14.536	27.26	60.00	32.74	L1	ON	9.8
0.452	33.53	56.84	23.30	N	ON	9.6
0.748	39.15	56.00	16.85	N	ON	9.6
0.230	46.55	62.45	15.90	N	ON	9.6

**Measurement Results : Average**

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.252	27.18	51.69	24.51	N	ON	9.6
0.428	31.18	47.29	16.11	N	ON	9.6
0.832	13.36	46.00	32.64	L1	ON	9.6
1.344	23.29	46.00	22.71	L1	ON	9.7
1.824	23.19	46.00	22.81	L1	ON	9.7
14.516	24.11	50.00	25.89	L1	ON	9.8

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