

ANNEX A: Test Result

1. Unwanted Emission

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the loop antenna is coplanar, the others are vertical and horizontal. and the worst case was recorded.

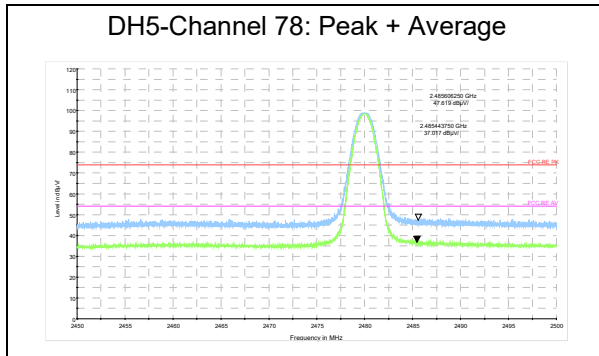
1.1. Bluetooth

The following graphs display the maximum values of horizontal and vertical by software. Blue trace uses the peak detection, Green trace uses the average detection.

A symbol (dB μ V) in the test plot below means (dB μ V/m)

The signal beyond the limit is carrier.

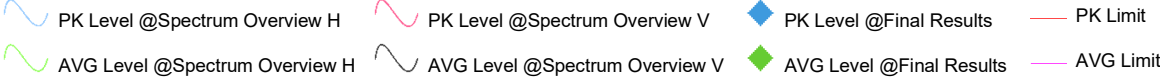
F154C



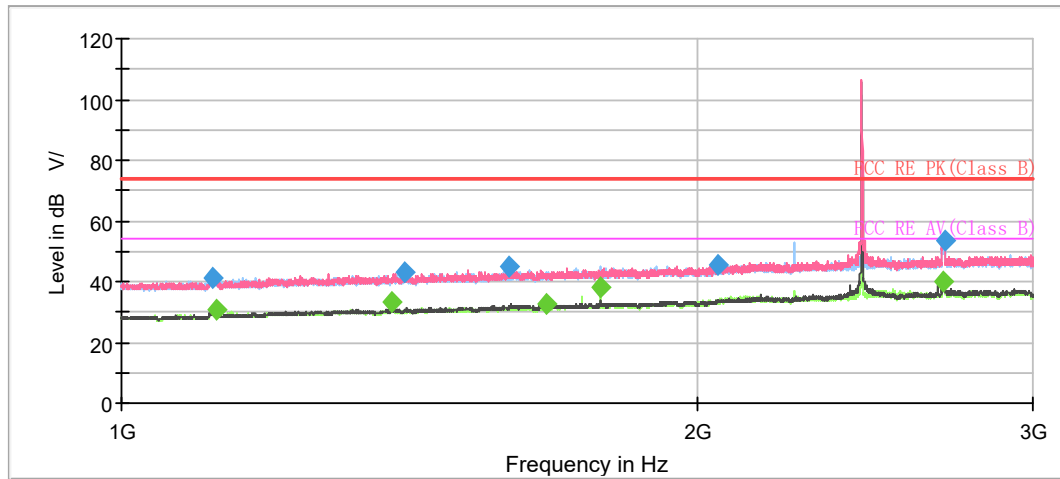
Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier. The Radiates Emission from 9kHz to 30MHz and 18GHz to 26.5GHz are more than 20dB below the limit are not reported.

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit –MAX Peak/ Average**
3. **A symbol (dB μ V/m) in the test plot below means (dB μ V/m)**
4. **The following graphs display the maximum values of horizontal and vertical by software.**
5. 
 -  PK Level @Spectrum Overview H
 -  PK Level @Spectrum Overview V
 -  PK Level @Final Results
 -  PK Limit
 -  AVG Level @Spectrum Overview H
 -  AVG Level @Spectrum Overview V
 -  AVG Level @Final Results
 -  AVG Limit

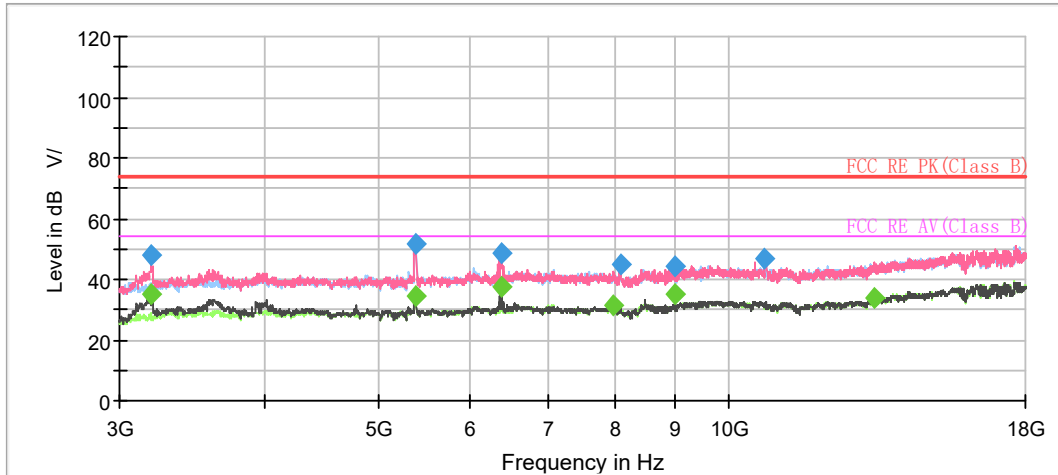
Continuous TX mode:

F154C
DH5-Channel 39


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1116.250000	41.46	---	74.00	32.54	500.0	100.0	V	0.0	-10.0
1121.000000	---	30.60	54.00	23.40	500.0	200.0	V	197.0	-10.0
1386.000000	---	33.11	54.00	20.89	500.0	200.0	H	226.0	-7.7
1407.250000	43.16	---	74.00	30.84	500.0	100.0	V	0.0	-7.5
1596.250000	44.98	---	74.00	29.02	500.0	200.0	V	123.0	-6.3
1670.500000	---	32.81	54.00	21.19	500.0	100.0	H	160.0	-6.1
1782.000000	---	38.02	54.00	15.98	500.0	200.0	H	173.0	-5.6
2052.250000	45.77	---	74.00	28.23	500.0	100.0	H	219.0	-4.2
2693.500000	---	39.79	54.00	14.21	500.0	100.0	V	251.0	-1.6
2700.000000	53.45	---	74.00	20.55	500.0	100.0	V	251.0	-1.6



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3196.875000	---	35.03	54.00	18.97	500.0	100.0	V	300.0	-9.9
3196.875000	47.98	---	74.00	26.02	500.0	100.0	V	300.0	-9.9
5392.500000	---	34.33	54.00	19.67	500.0	100.0	H	335.0	-4.9
5398.125000	51.59	---	74.00	22.41	500.0	100.0	H	335.0	-4.9
6384.375000	---	37.61	54.00	16.39	500.0	100.0	V	74.0	-4.2
6384.375000	48.81	---	74.00	25.19	500.0	100.0	V	74.0	-4.2
7976.250000	---	31.46	54.00	22.54	500.0	100.0	V	155.0	-2.5
8090.625000	45.18	---	74.00	28.82	500.0	100.0	V	293.0	-2.5
9000.000000	44.25	---	74.00	29.75	500.0	100.0	V	252.0	-1.3
9000.000000	---	34.98	54.00	19.02	500.0	100.0	V	252.0	-1.3
10753.125000	46.52	---	74.00	27.48	500.0	200.0	V	118.0	-0.9
13344.375000	---	33.85	54.00	20.15	500.0	200.0	V	282.0	2.3