

Operation Mode: TX CH High (2481MHz)  
Horizontal (Worst case)

| Frequency<br>(MHz) | Reading Result<br>(dB $\mu$ V) | Factor<br>(dB) | Emission Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Detector Type |
|--------------------|--------------------------------|----------------|----------------------------------|--------------------------|----------------|---------------|
| 2483.50            | 54.88                          | -5.65          | 49.23                            | 74                       | -24.77         | peak          |
| 2483.50            | /                              | -5.65          | /                                | 54                       | /              | AVG           |
| 2500.00            | 53.75                          | -5.65          | 48.10                            | 74                       | -25.90         | peak          |
| 2500.00            | /                              | -5.65          | /                                | 54                       | /              | AVG           |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

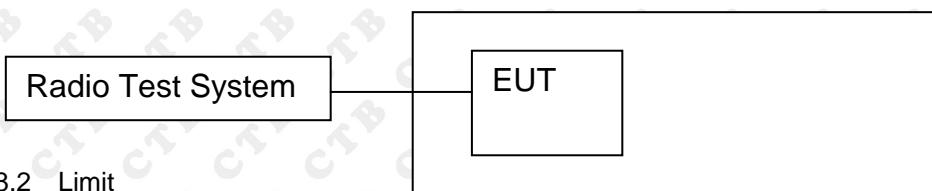
| Frequency<br>(MHz) | Reading Result<br>(dB $\mu$ V) | Factor<br>(dB) | Emission Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Detector Type |
|--------------------|--------------------------------|----------------|----------------------------------|--------------------------|----------------|---------------|
| 2481.00            | 53.66                          | -5.65          | 48.01                            | 74                       | -25.99         | peak          |
| 2481.00            | /                              | -5.65          | /                                | 54                       | /              | AVG           |
| 4962.00            | 56.35                          | -5.65          | 50.70                            | 74                       | -23.30         | peak          |
| 4962.00            | /                              | -5.65          | /                                | 54                       | /              | AVG           |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.

## 8. BAND EDGE AND RF CONDUCTED SPURIOUS EMISSIONS

### 8.1 Block Diagram Of Test Setup



### 8.2 Limit

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. 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)).

### 8.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:

Below 30MHz:

RBW = 100kHz, VBW = 300kHz, Sweep = auto

Detector function = peak, Trace = max hold

Above 30MHz:

RBW = 100KHz, VBW = 300KHz, Sweep = auto

Detector function = peak, Trace = max hold

## 8.4 Test Result

