# The Measurement of Conducted Spurious Emissions

### **CONDUCTED SPURIOUS EMISSIONS MEASUREMENT**

# 1. LIMITS OF CONDUCTED SPURIOUS EMISSIONS EASUREMENT

Below 20dB of the highest emission level of operating band (in 100KHz Resolution Bandwidth, see Section 15.247(c)). Emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the limits specified in Section 15.209(a) (see Section 15.205(c)).

### 2. TEST INSTRUMENTS

| Description & Manufacturer | Model No. | Serial No.   | Calibrated Until |
|----------------------------|-----------|--------------|------------------|
| R&S SPECTRUM ANALYZER      | FSP       | 1093.4495.30 | Dec. 19, 2003    |

### NOTE:

- 1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
- 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

## 3. TEST PROCEDURE

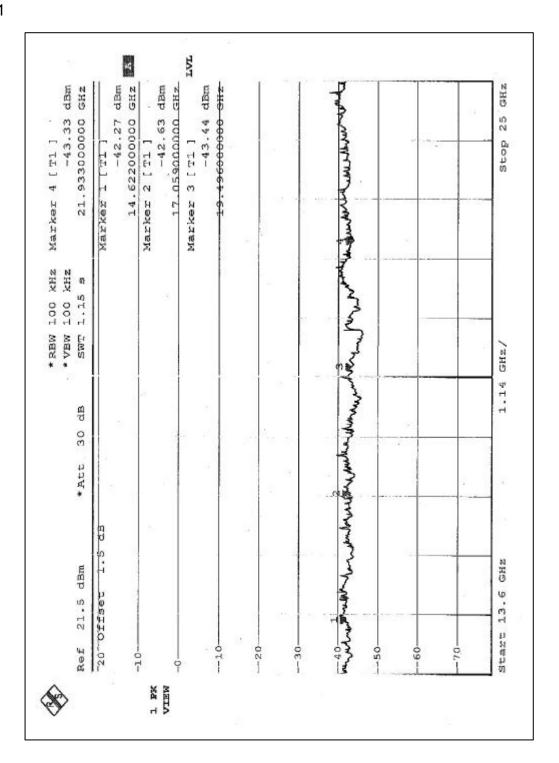
The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 kHz bandwidth from band edge. The band edges was measured and recorded.

# 4. TEST SETUP SPECTRUM EUT ANALYZER 5. EUT OPERATING CONDITIONS The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

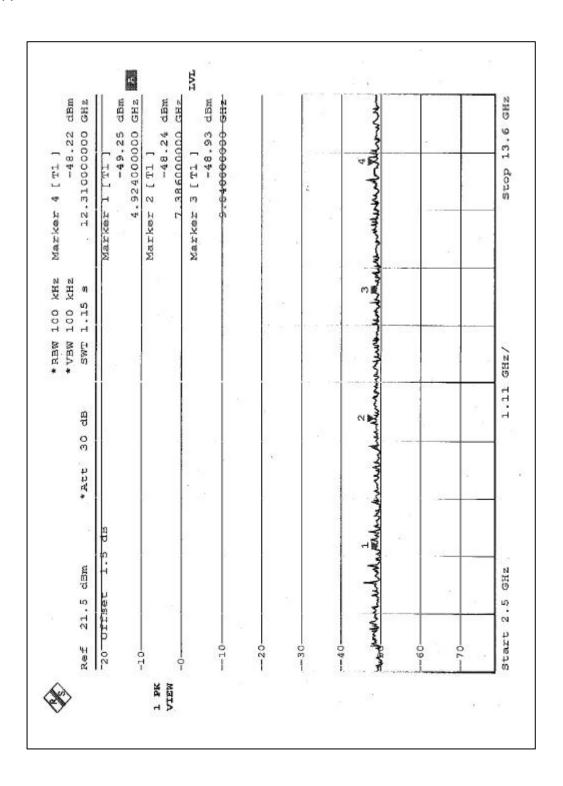
| TEST RESULTS   |                     |
|--|---------------------|
| The spectrum plots are attached on the following 2 pages. with the requirement in part 15.247(C),.15.205 and 15.209. | It shows compliance |
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Ch1 LVI GHZ -50 05 dBm -49 13 dBm 4.824000000 GHZ 7 23 60000000 GHZ dBm 13.6 <del>64866848</del> 12.060000000 -48.61 Stop Marker 4 [ Tl ] Marker 3 [T1 Marker 2 [ Tl \* RBW 100 KHZ \* VBW 100 KHZ SWT 1.15 8 GHZ/ 1.11 の田 30 \*Att GHZ dBm 2.5 -20 Offisher 21.5 Start 9 1 PK VIEW

Ch1



Ch11



Ch11

