



4/15/11

FCC Part 27.53 (f)

Prism 700 MHz Upper C Band 40W

(f) For operations in the 746-763 MHz, 775-793 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

In accordance to FCC 27.53 (f), the 700 MHz Upper C-Band Module FWP-U816100MOD was injected with a full rated signal at 751 MHz with the following modulations.

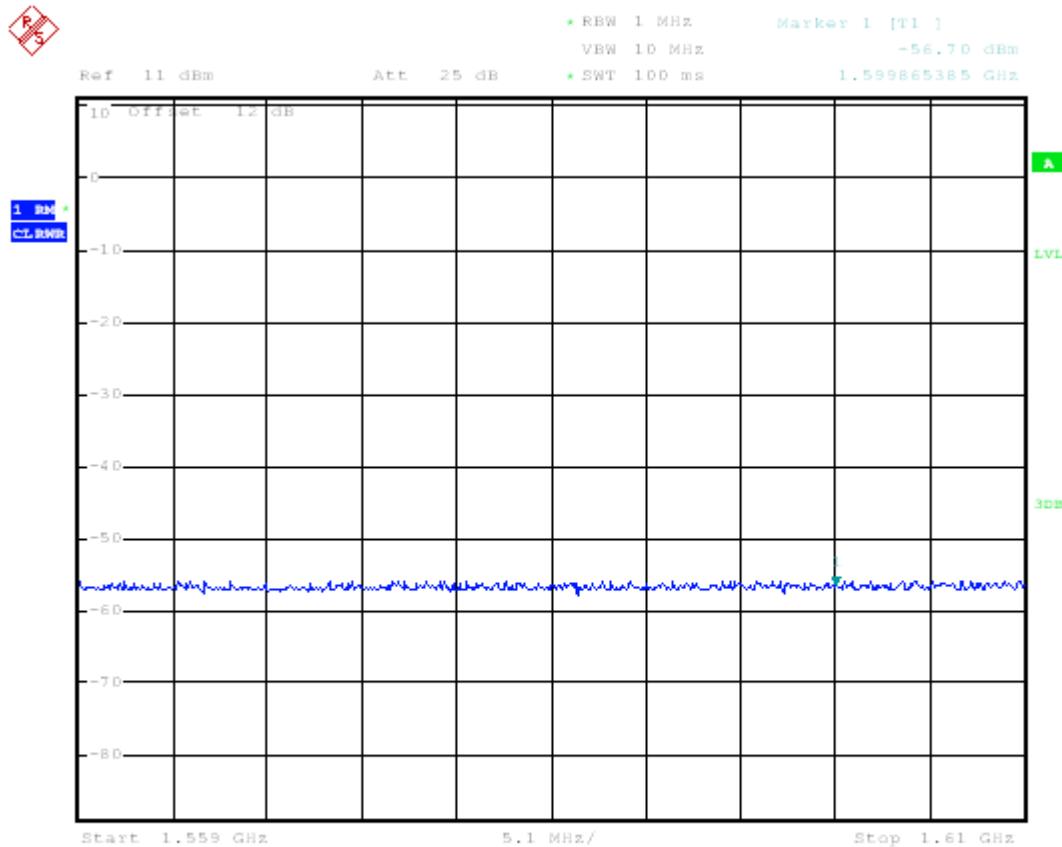
LTE 1.4 MHz Channel Bandwidth

LTE 3 MHz Channel Bandwidth

LTE 5 MHz Channel Bandwidth

LTE 10 MHz Channel Bandwidth

The LTE 10 MHz Channel Bandwidth modulation was monitored as the “worst case” and is recorded in the plot below. It shows an emissions level of -56.70dBm (-86.70 dBW) at 1559 - 1610 MHz.



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LTE 10MHz Channel Bandwidth emissions at 1559 – 1610 MHz

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