



PART 2



8.8 Clause 2.1047 Modulation characteristics

Unless specified elsewhere in this part, stations will be authorized emissions as provided for in paragraphs (b) through (n) of this section.

§ 2.1047 Measurements required: Modulation characteristics.

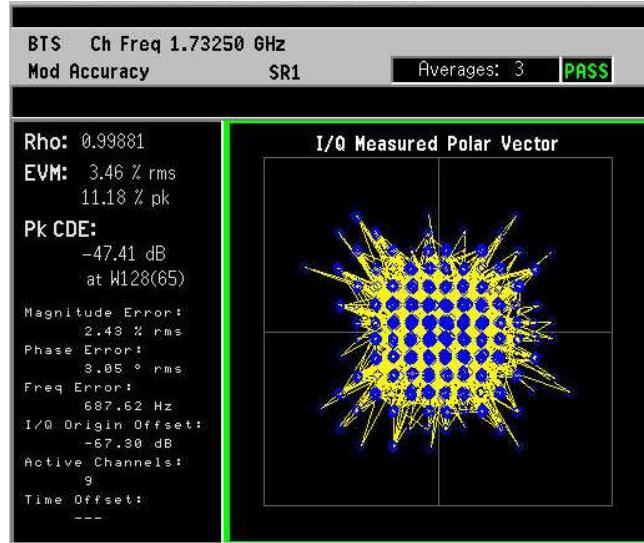
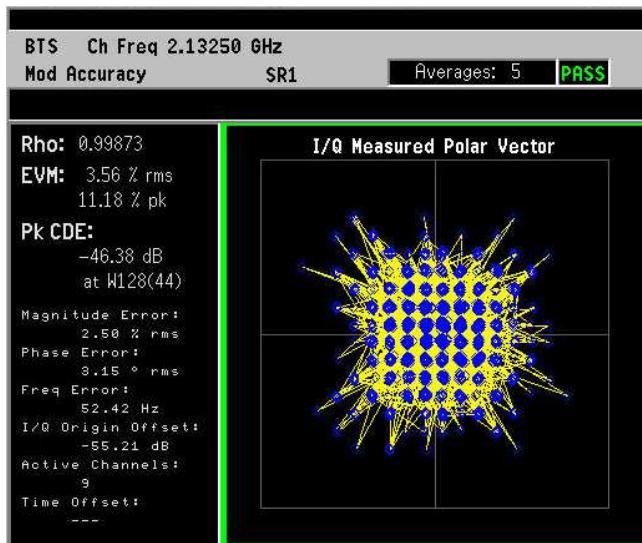
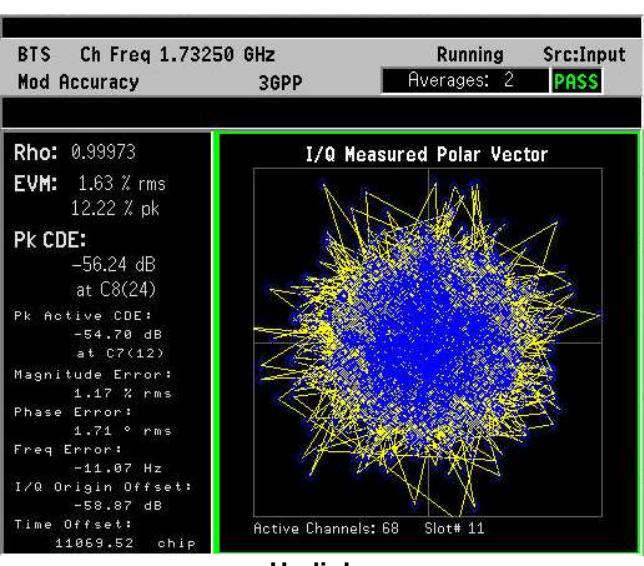
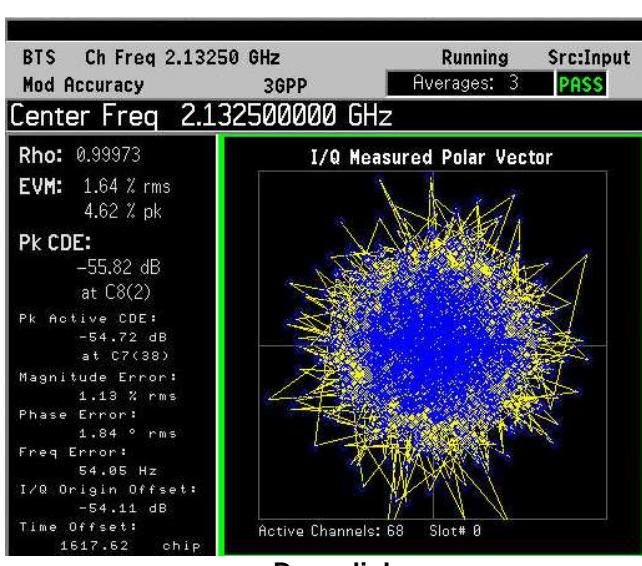
- (a) Voice modulated communication equipment. A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted. For equipment required to have an audio low-pass filter, a curve showing the frequency response of the filter, or of all circuitry installed between the modulation limiter and the modulated stage shall be submitted.
- (b) Equipment which employs modulation limiting. A curve or family of curves showing the percentage of modulation versus the modulation input voltage shall be supplied. The information submitted shall be sufficient to show modulation limiting capability throughout the range of modulating frequencies and input modulating signal levels employed.
- (c) Single sideband and independent sideband radiotelephone transmitters which employ a device or circuit to limit peak envelope power. A curve showing the peak envelope power output versus the modulation input voltage shall be supplied. The modulating signals shall be the same in frequency as specified in paragraph (c) of §2.1049 for the occupied bandwidth tests.
- (d) Other types of equipment. A curve or equivalent data which shows that the equipment will meet the modulation requirements of the rules under which the equipment is to be licensed.

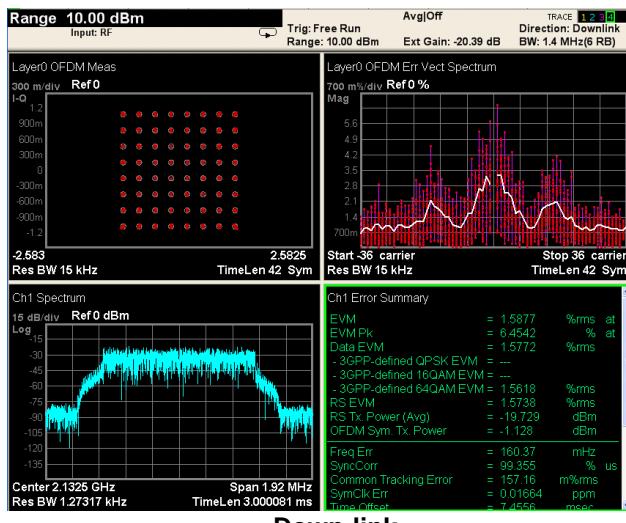
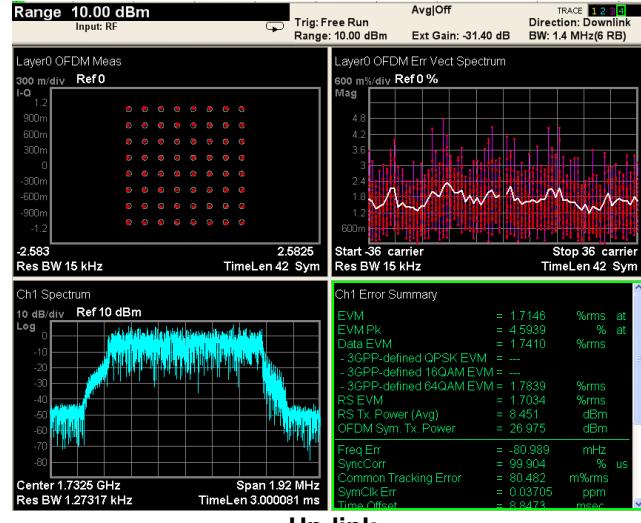
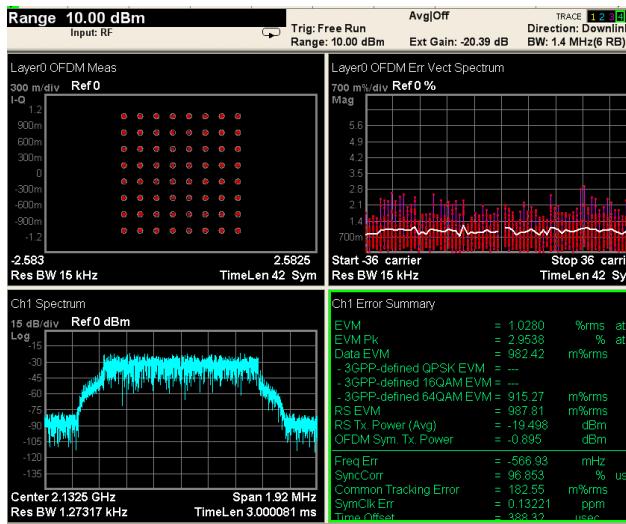
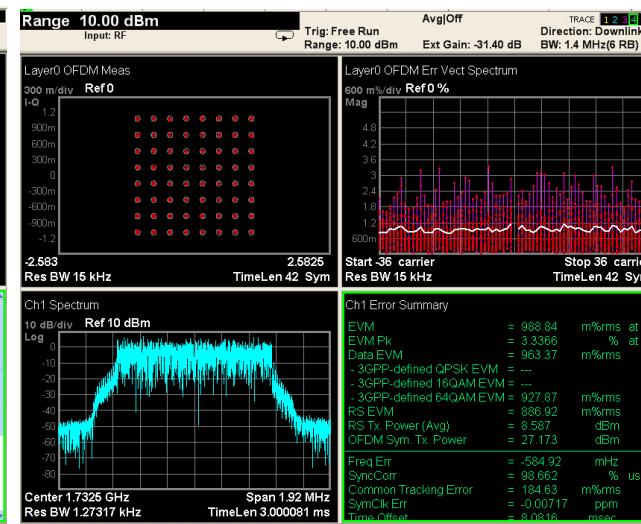
Test date: [2012-06-11](#)

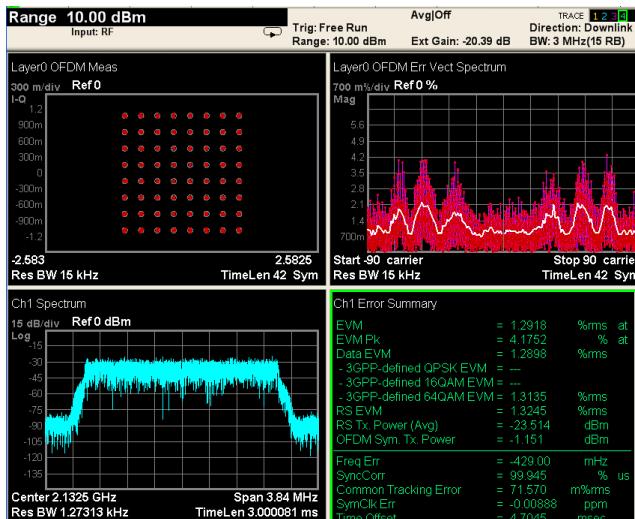
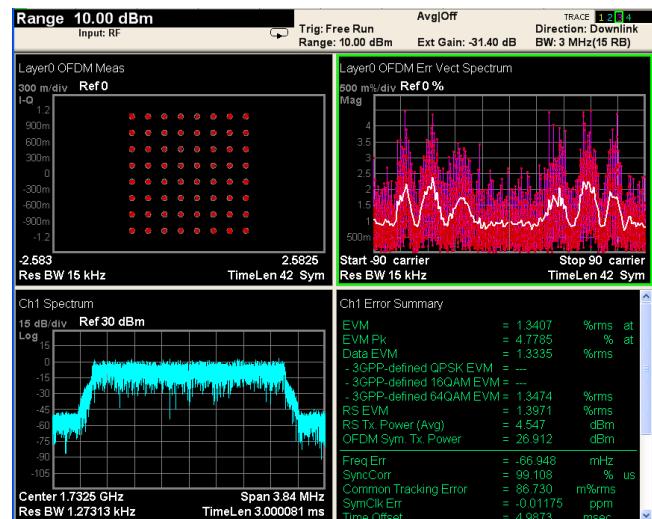
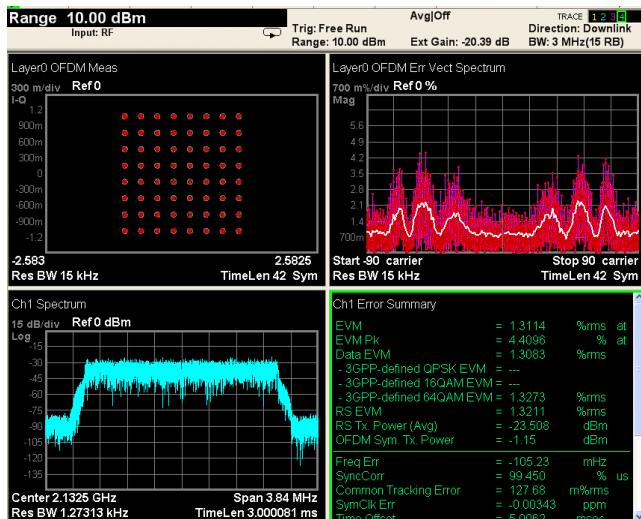
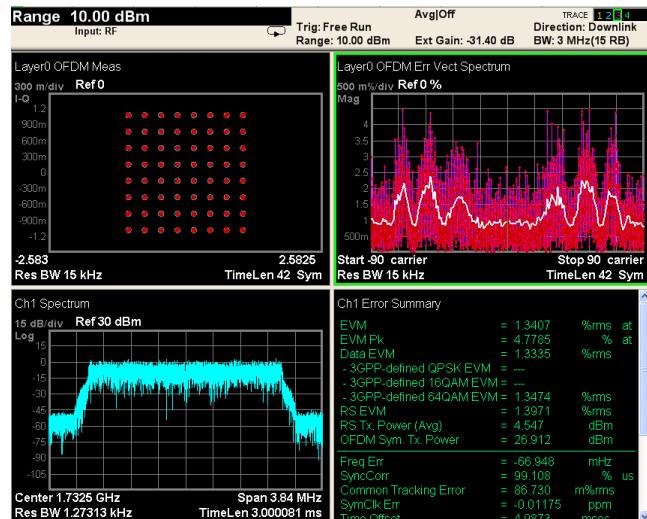
Test results: [Pass](#)

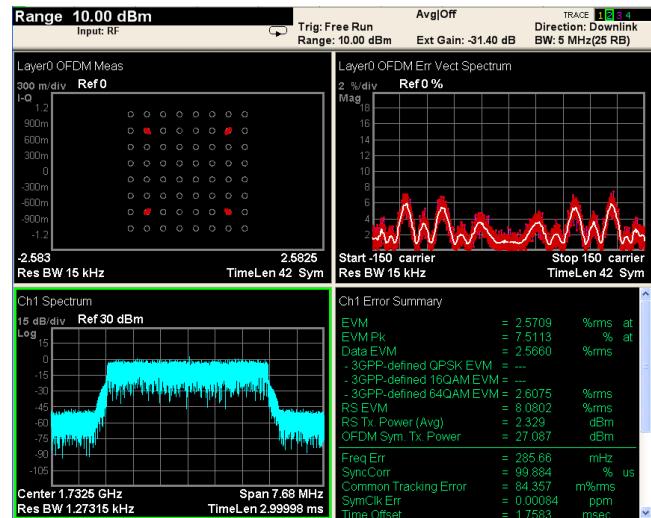
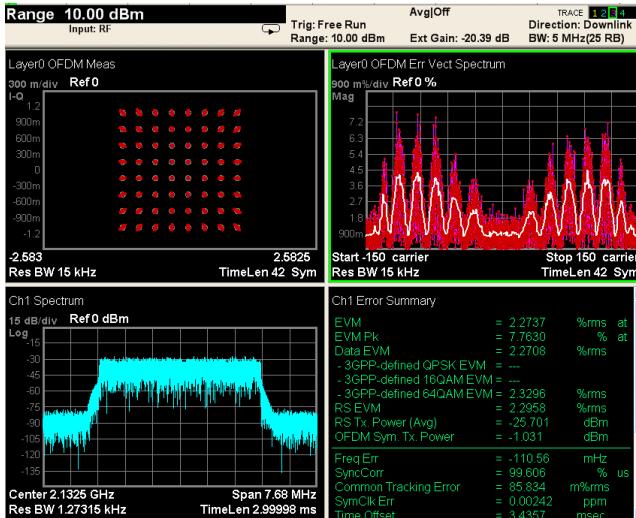
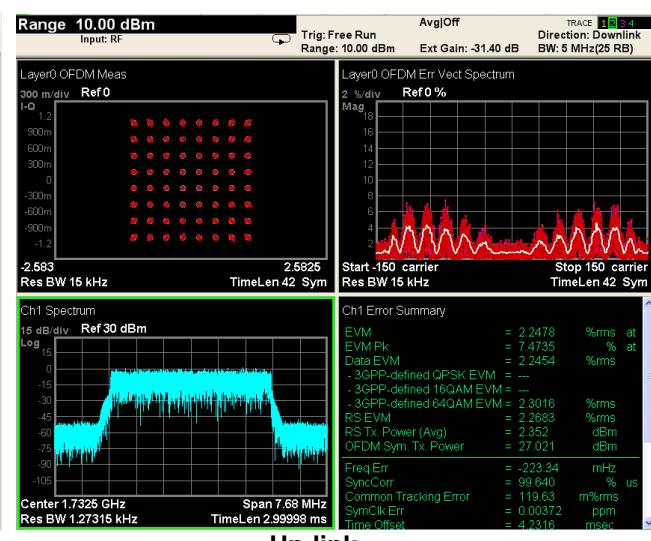
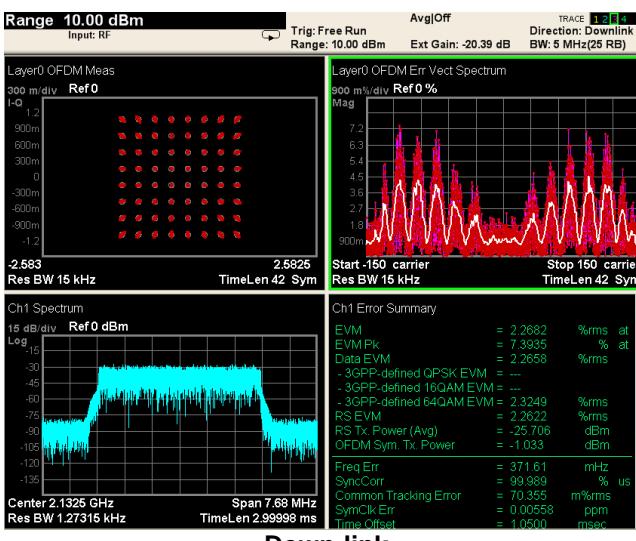
Test data

[None](#)

Mod. CDMA

Mod. WCDMA


Mod. LTE 1.4MHz (QAM)

Down-link

Up-link
Mod. LTE 1.4MHz (QPSK)

Down-link

Up-link

Mod. LTE 3MHz (QAM)

Down-link

Up-link
Mod. LTE 3MHz (QPSK)

Down-link

Up-link

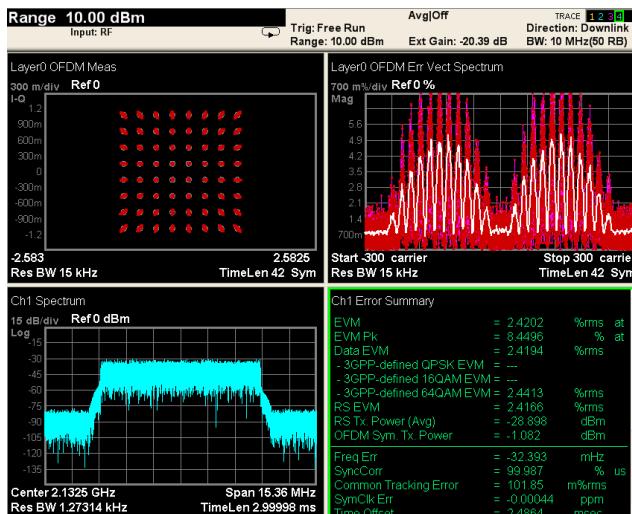
Mod. LTE 5MHz (QAM)

Mod. LTE 5MHz (QPSK)




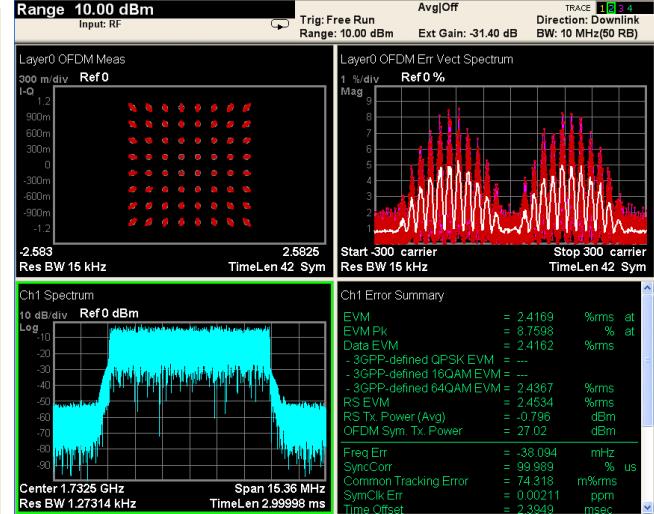
Section 9: Filter Frequency Response

Product: TDFE-AW

Mod. LTE 10MHz (QAM)

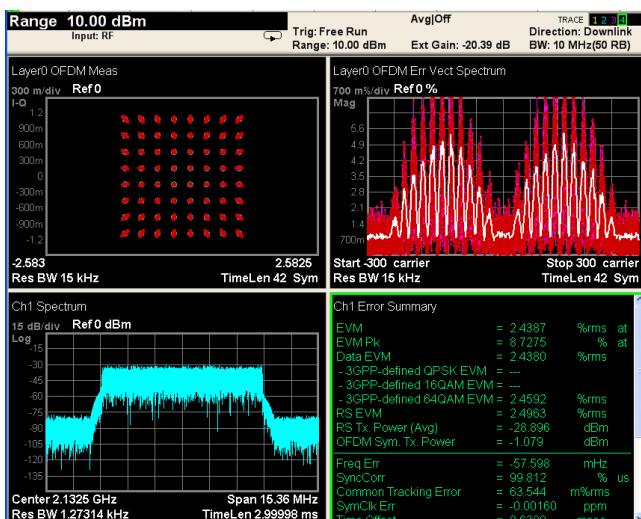


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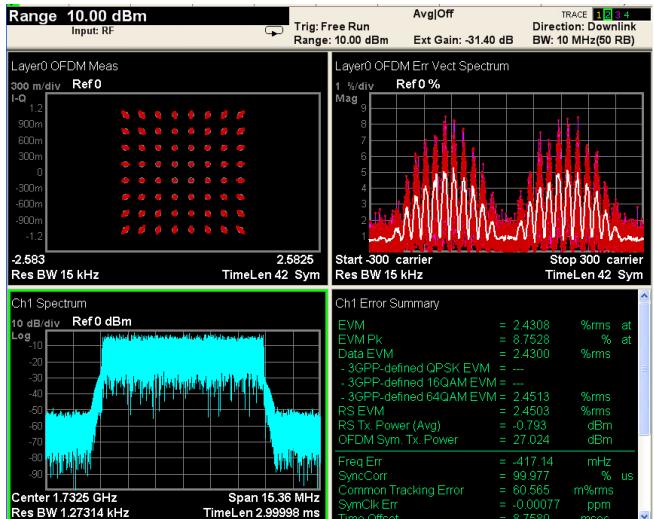


Up-link

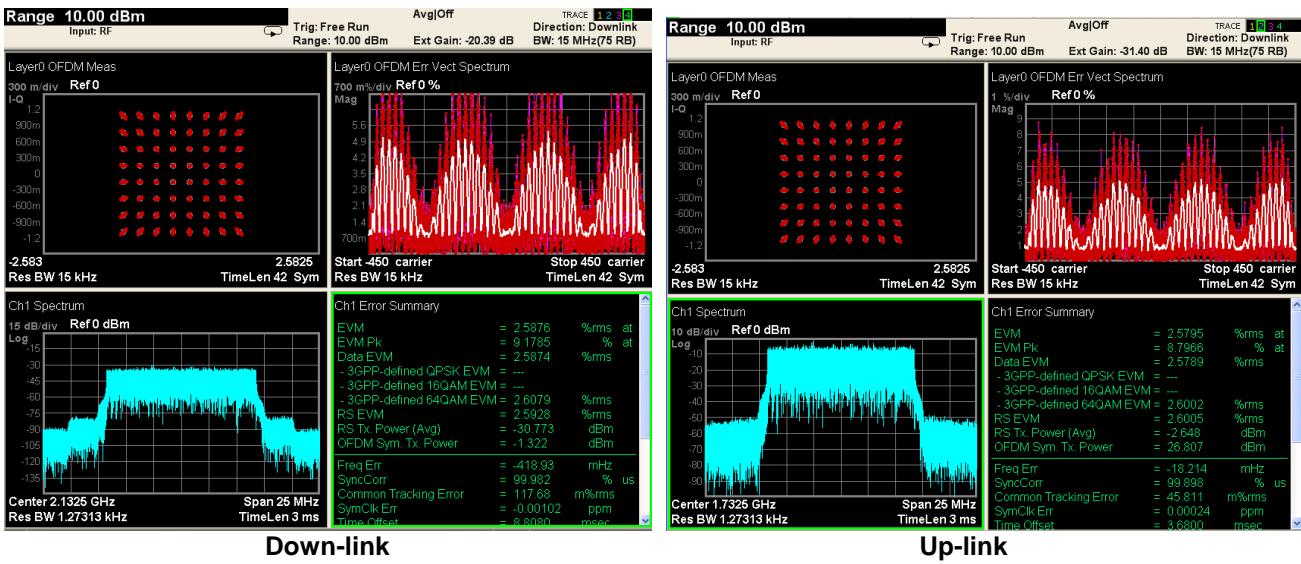
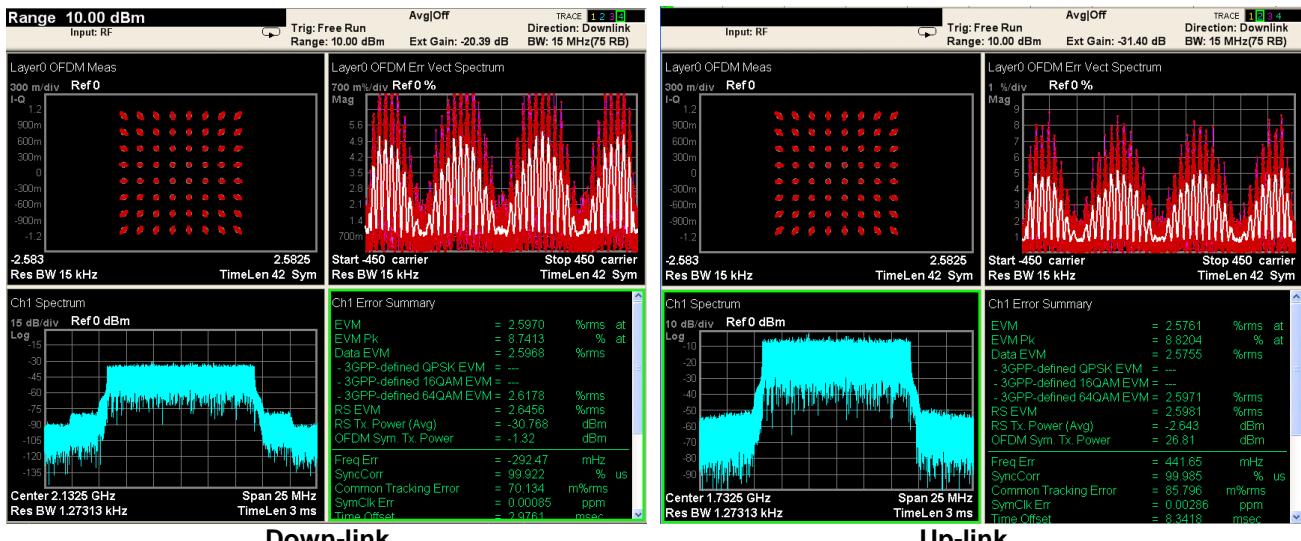
Mod. LTE 10MHz (QPSK)



Down-link



Up-link

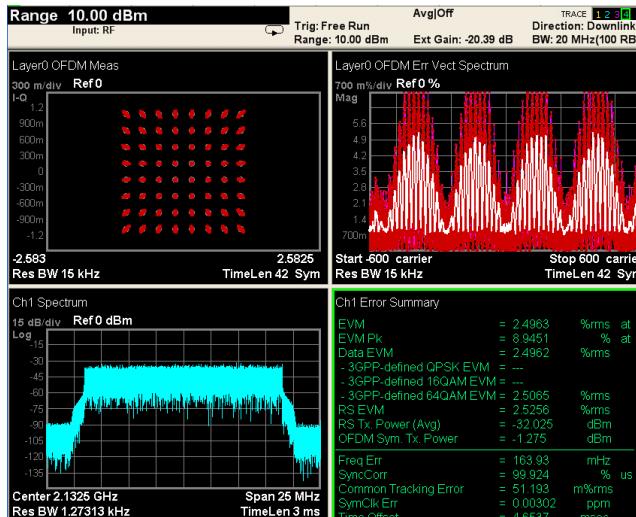
Mod. LTE 15MHz (QAM)

Down-link
Up-link
Mod. LTE 15MHz (QPSK)

Down-link
Up-link



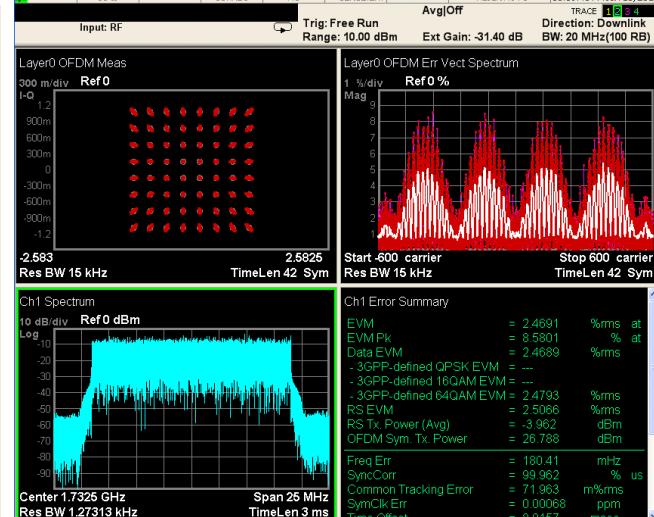
Section 9: Filter Frequency Response

Product: TDFE-AW

Mod. LTE 20MHz (QAM)

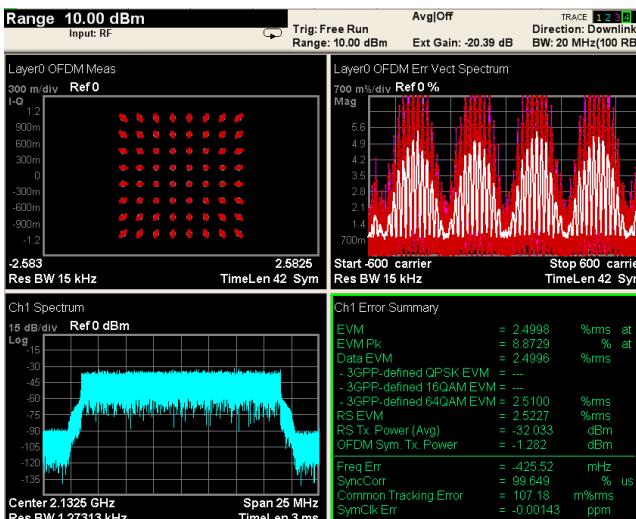


Down-link

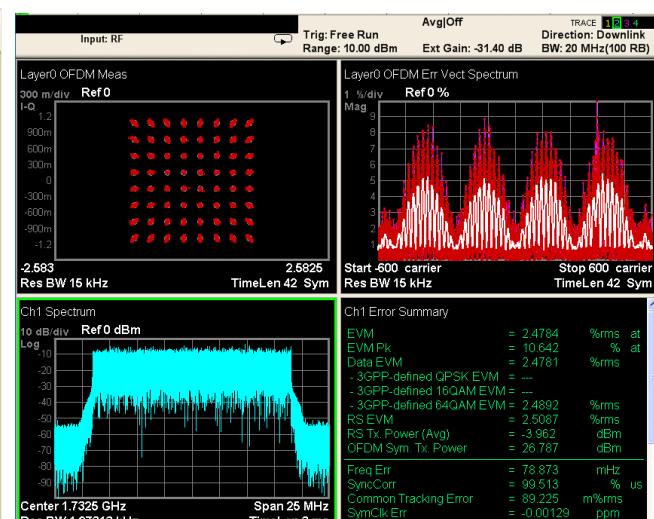


Up-link

Mod. LTE 20MHz (QPSK)



Down-link

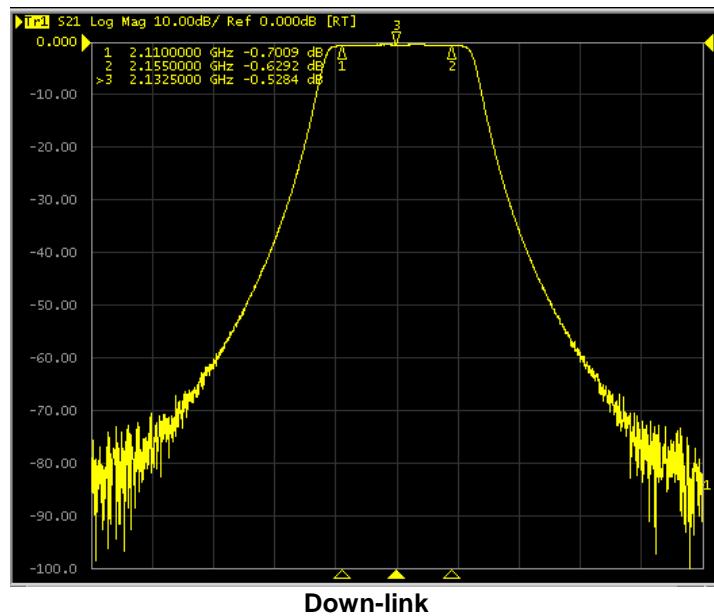


Up-link

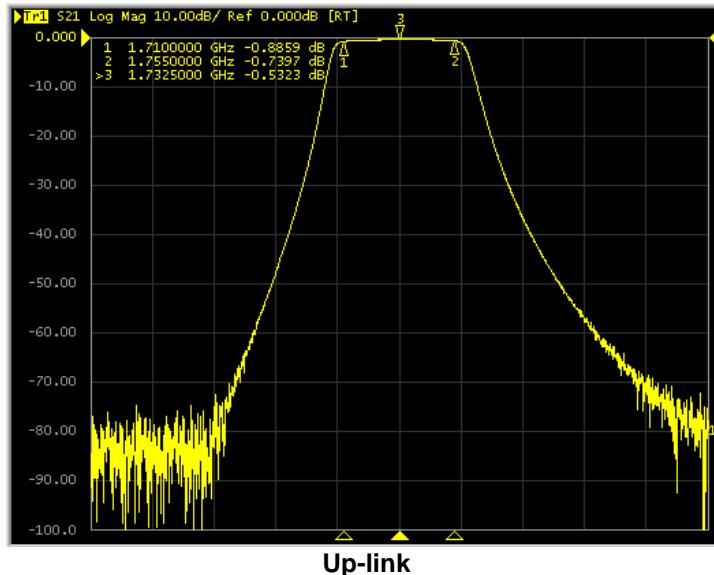
Section 9: Filter Frequency Response

Test date: 2012-06-12

Test results: Pass



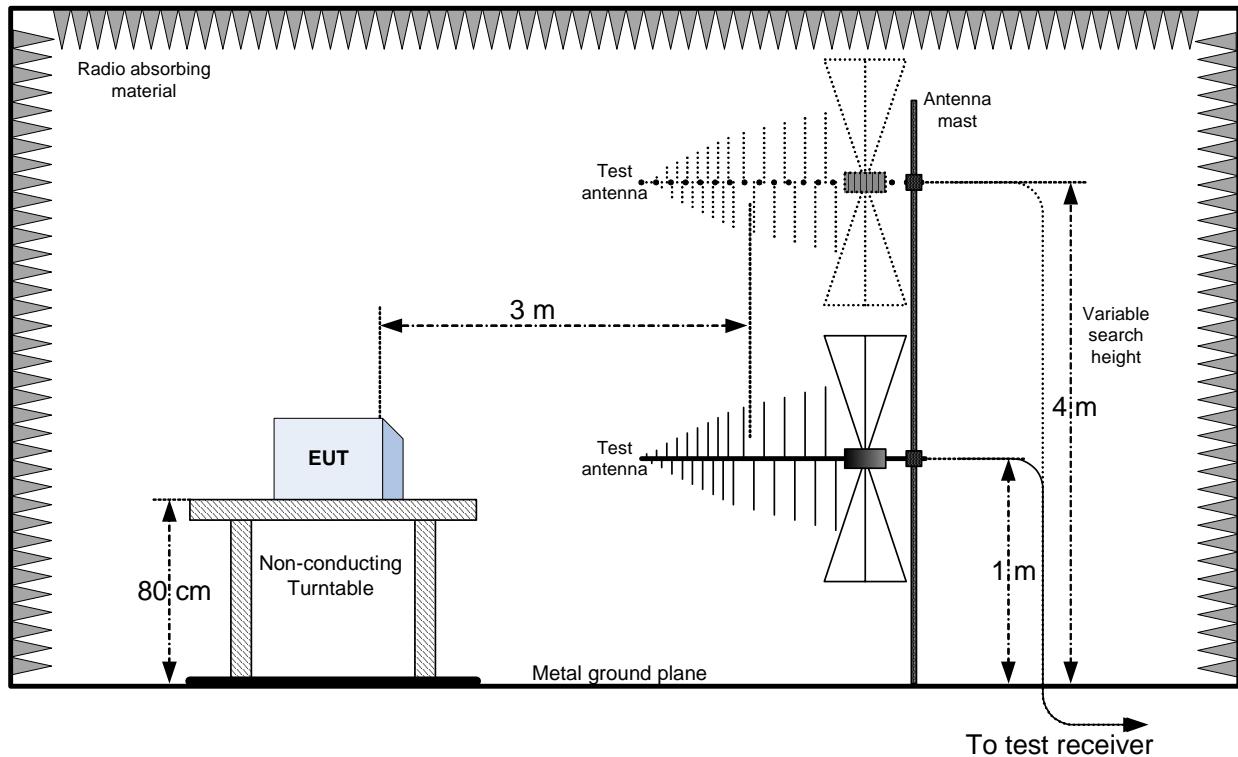
Down-link



Up-link

Section 10: Block diagrams of test set-ups

Radiated emissions set-up



Section 11: EUT photos

Photo Set up







