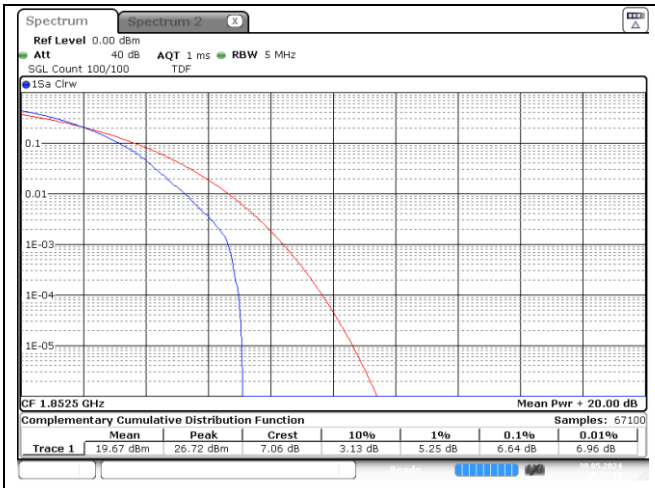
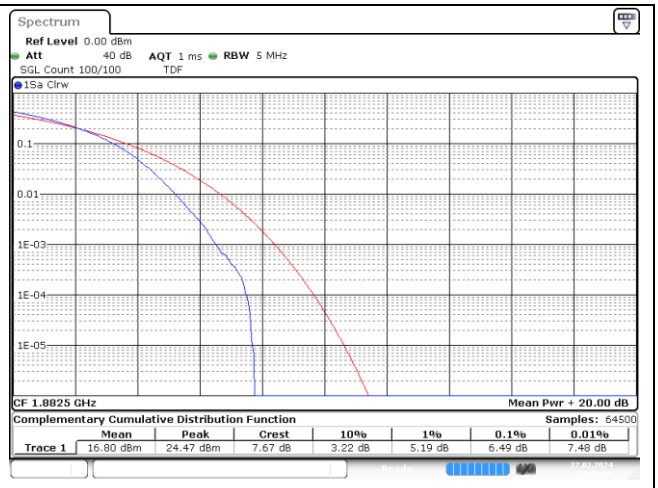
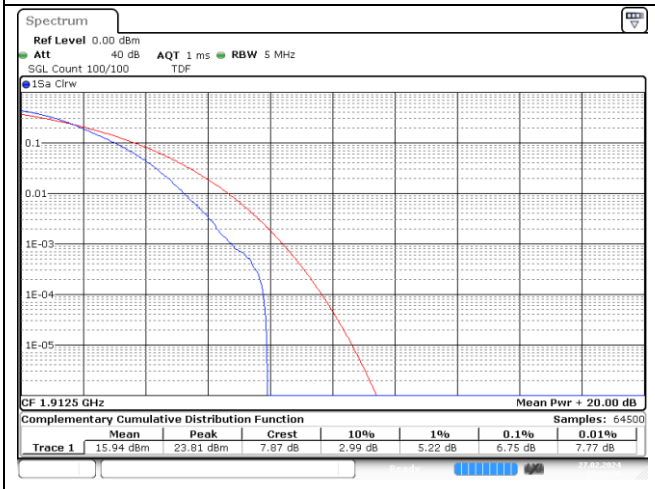
LTE band 25/2



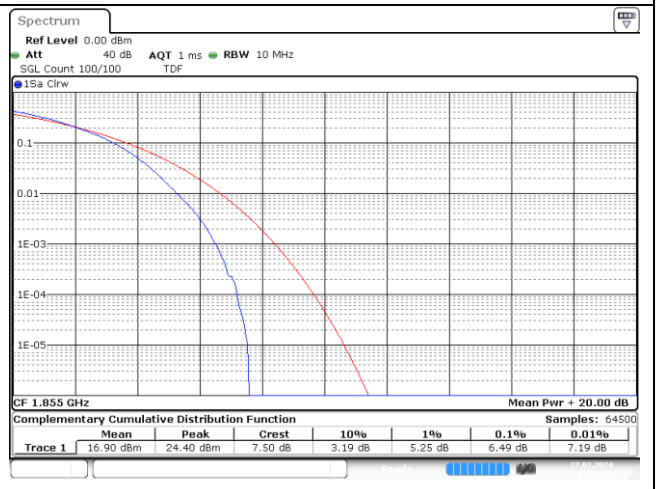
5 ㎒ Low Channel - Full RB



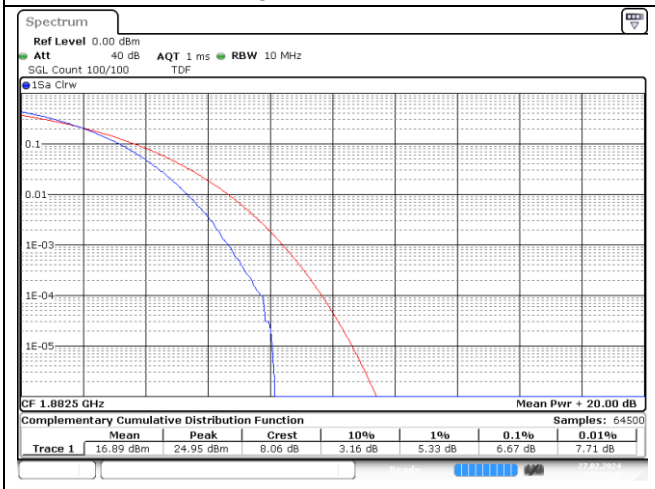
5 ㎒ Middle Channel - Full RB



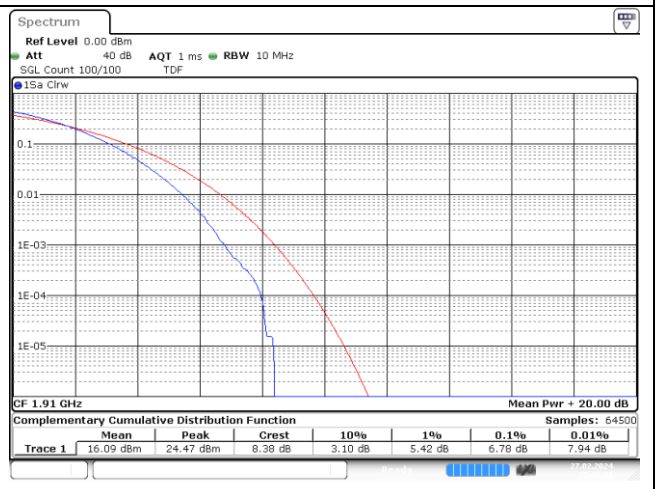
5 ㎒ High Channel - Full RB



10 ㎒ Low Channel - Full RB

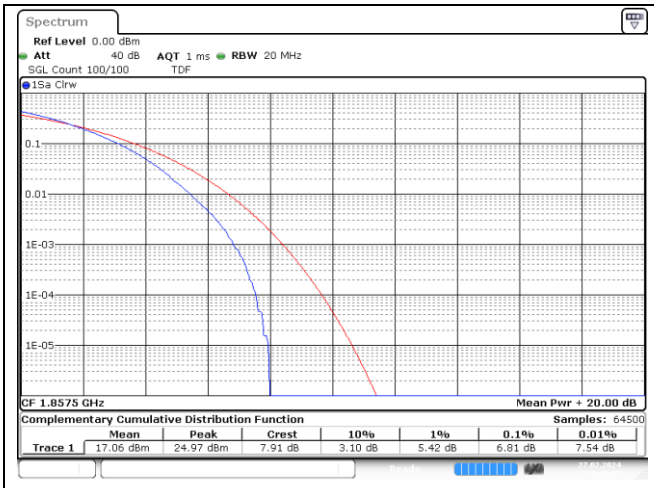


10 ㎒ Middle Channel - Full RB

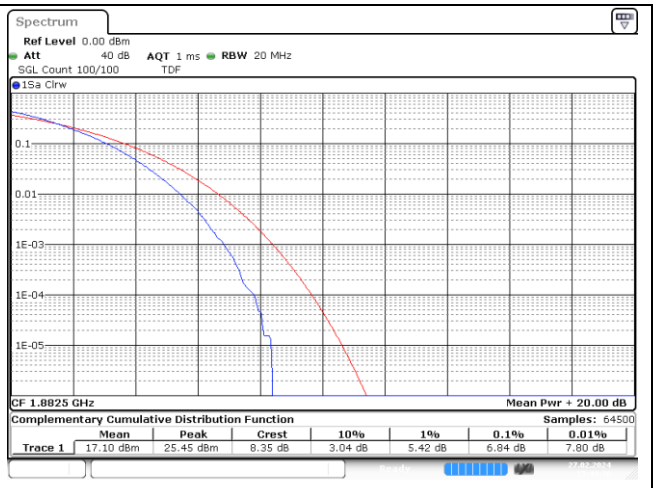


10 ㎒ High Channel - Full RB

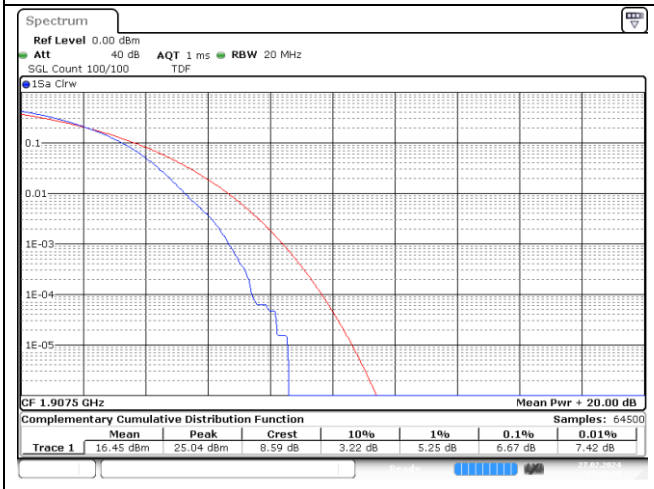
LTE band 25/2



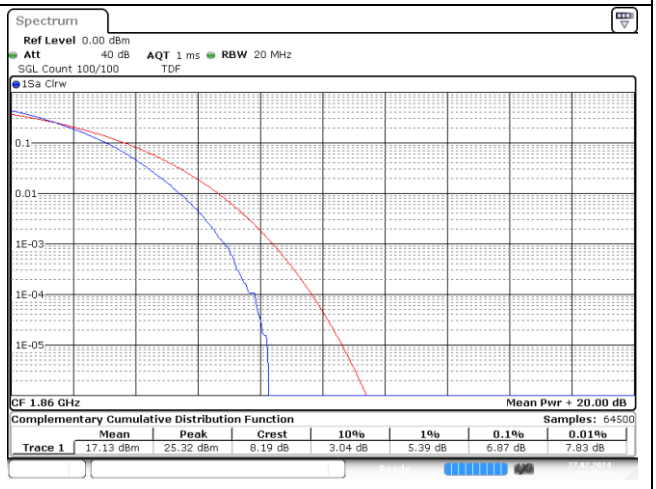
15 ㎒ Low Channel - Full RB



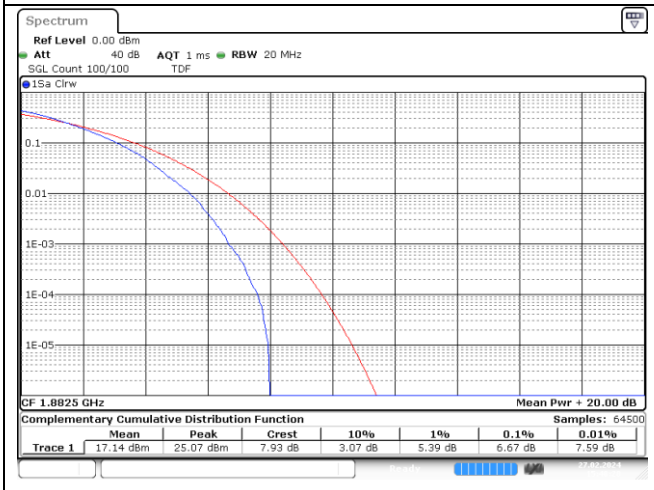
15 ㎒ Middle Channel - Full RB



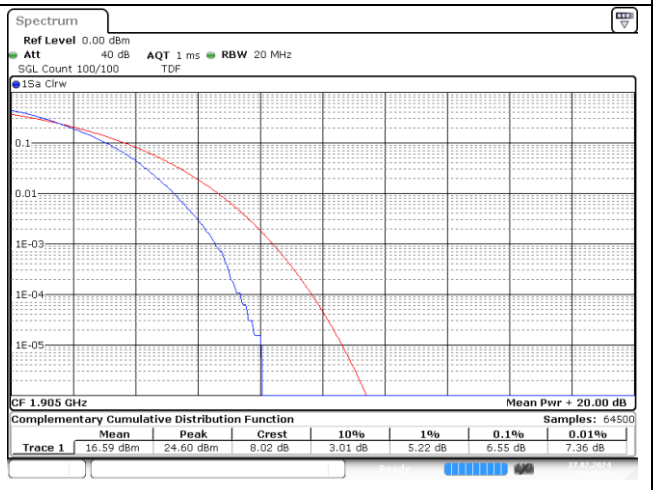
15 ㎒ High Channel - Full RB



20 ㎒ Low Channel - Full RB

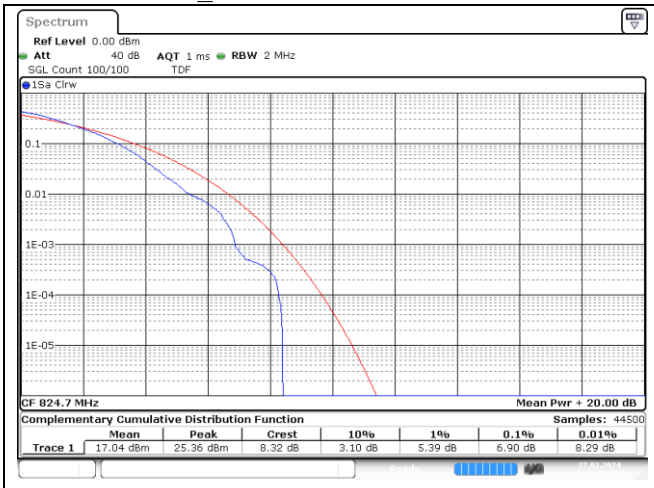


20 ㎒ Middle Channel - Full RB

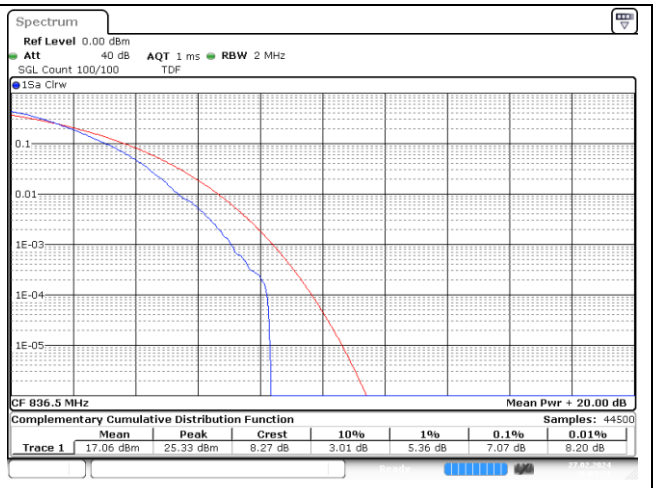


20 ㎒ High Channel - Full RB

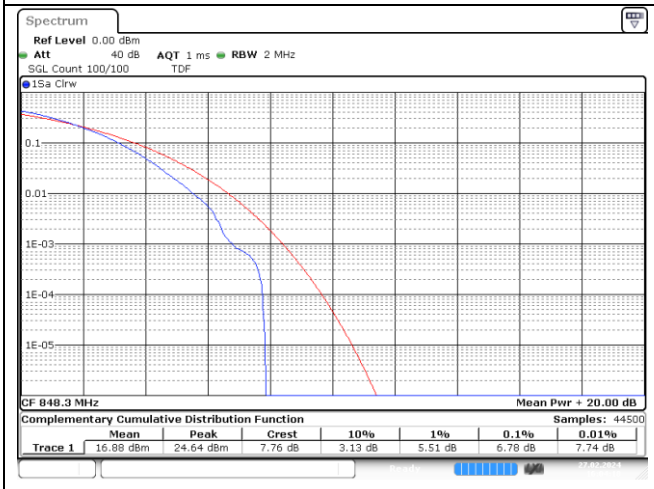
LTE band 26/5_Part 22



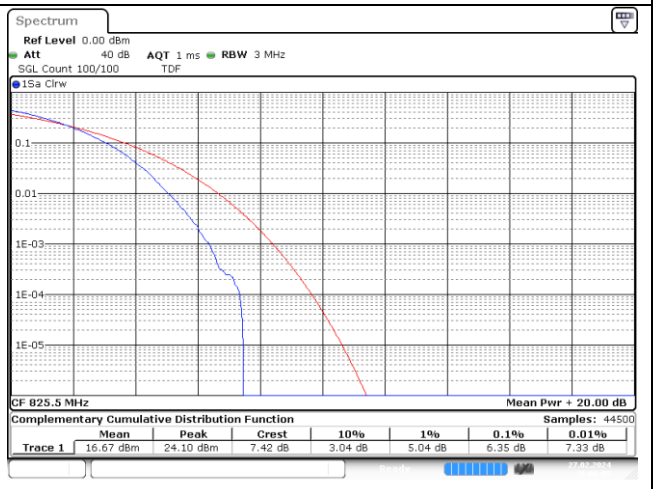
1.4 ㎒ Low Channel- Full RB



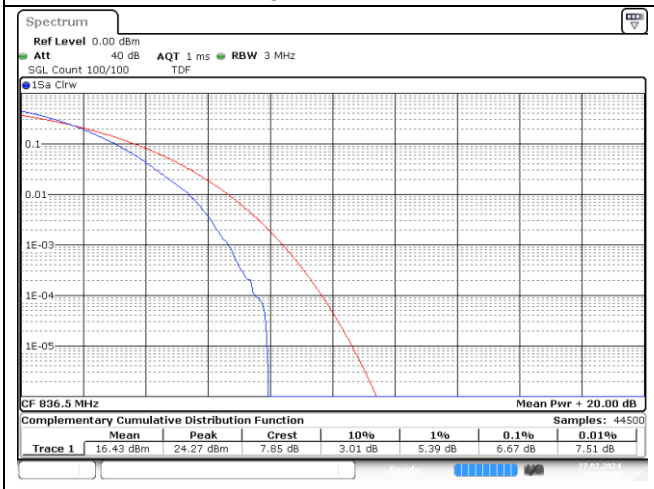
1.4 ㎒ Middle Channel - Full RB



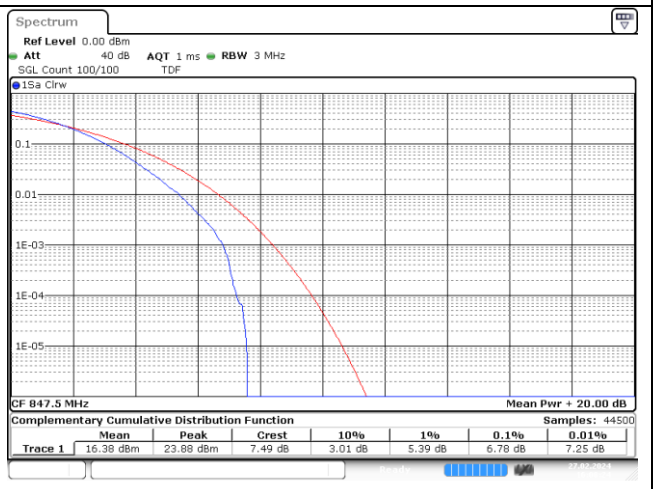
1.4 ㎒ High Channel - Full RB



3 ㎒ Low Channel - Full RB

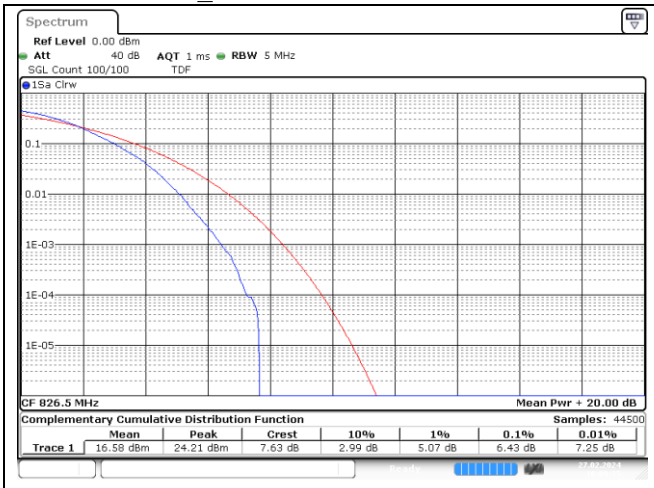


3 ㎒ Middle Channel - Full RB

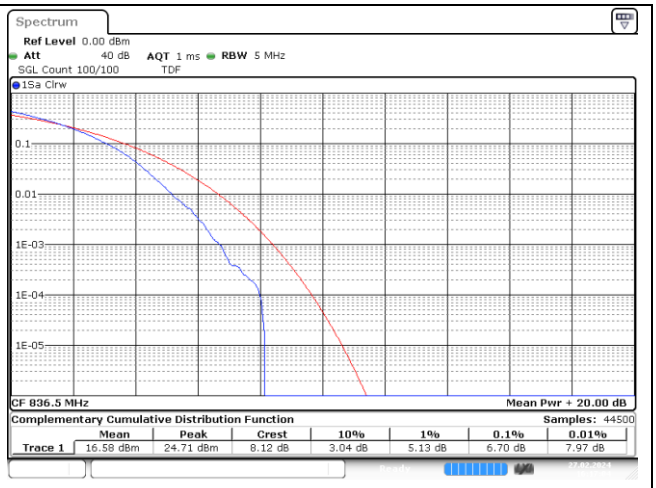


3 ㎒ High Channel - Full RB

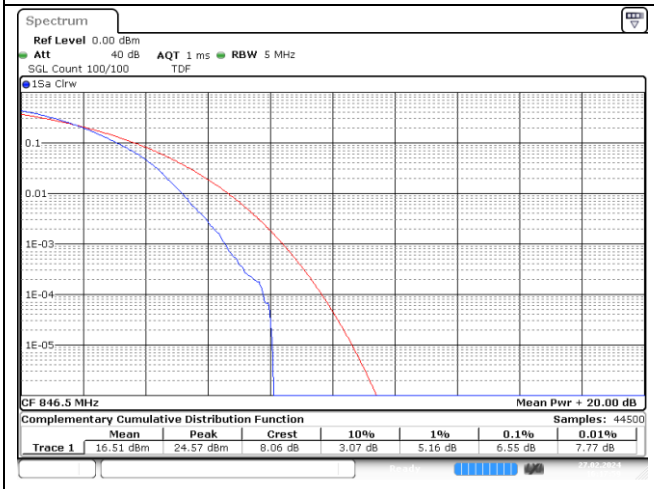
LTE band 26/5_Part 22



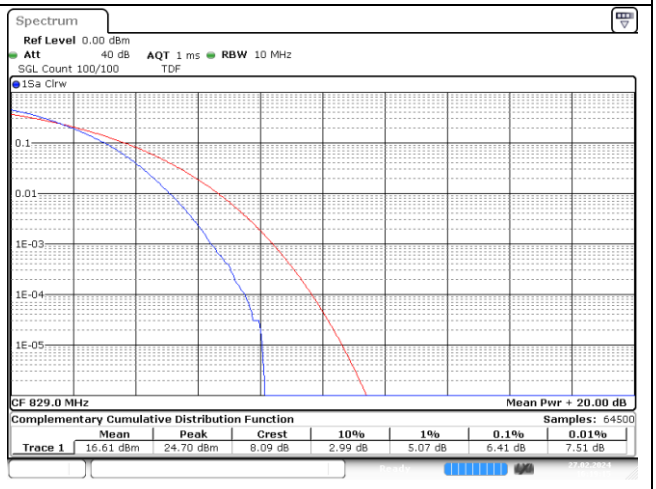
5 ㎒ Low Channel - Full RB



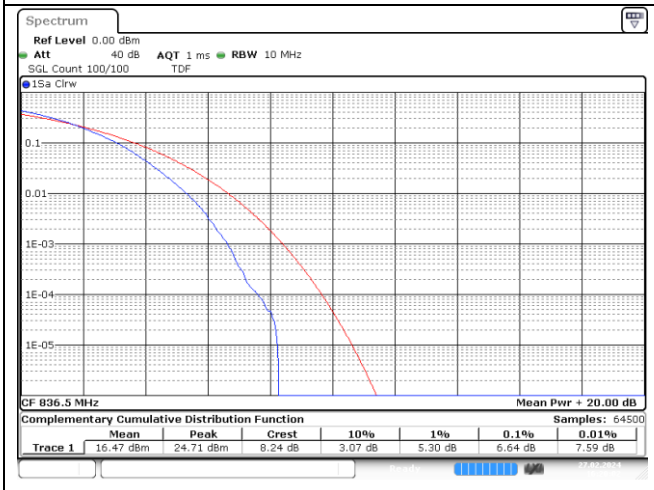
5 ㎒ Middle Channel - Full RB



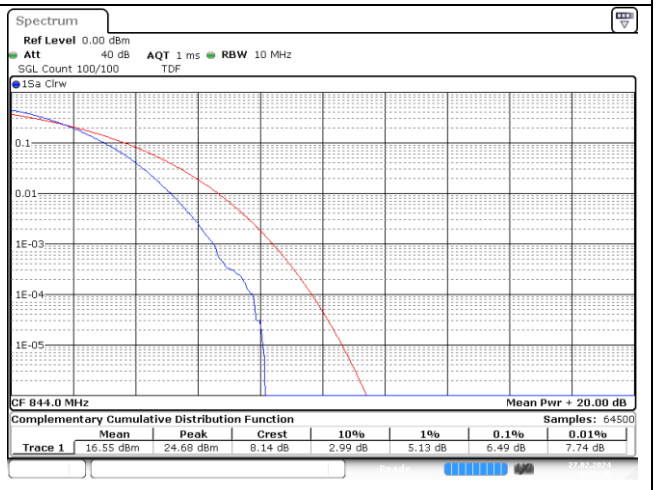
5 ㎒ High Channel - Full RB



10 ㎒ Low Channel - Full RB

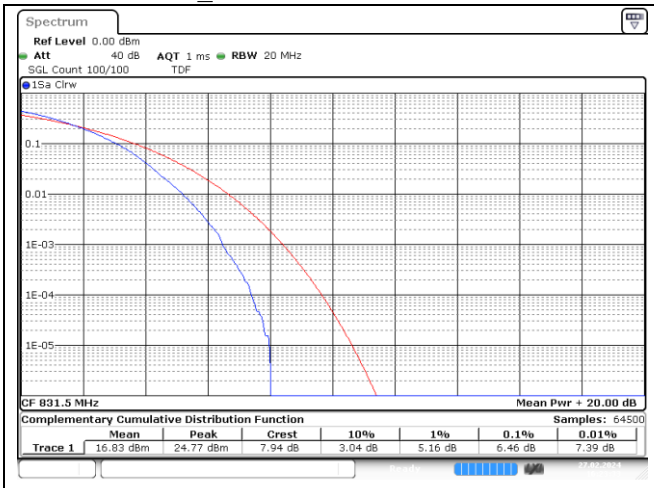


10 ㎒ Middle Channel - Full RB

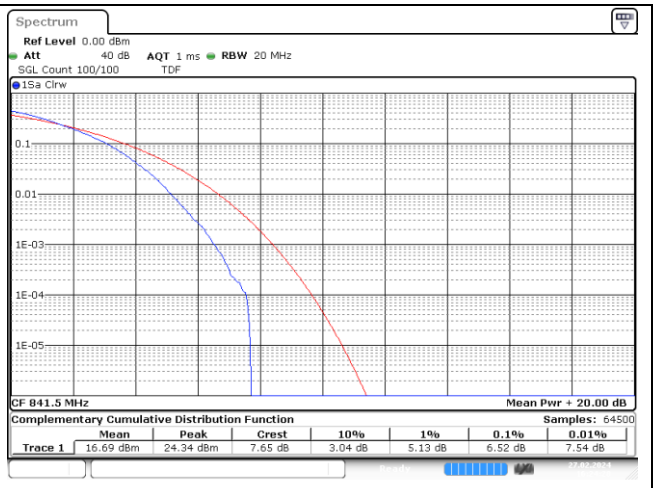


10 ㎒ High Channel - Full RB

LTE band 26/5_Part 22

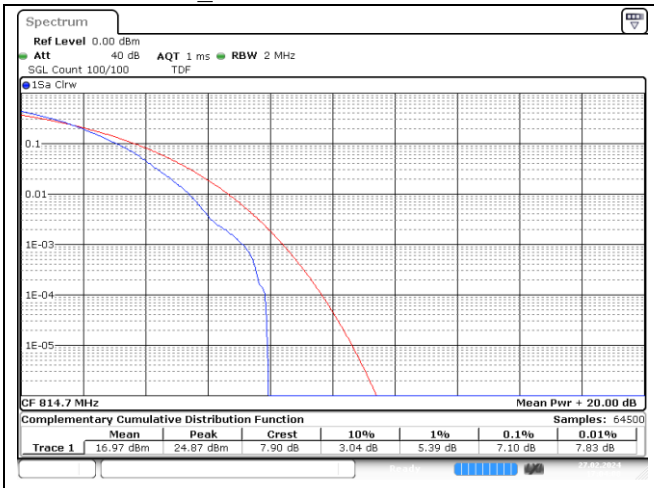


15 ㎒ Low Channel - Full RB

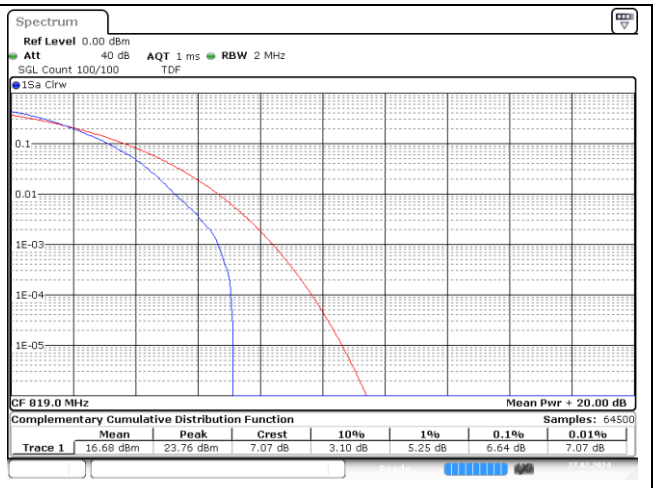


15 ㎒ High Channel - Full RB

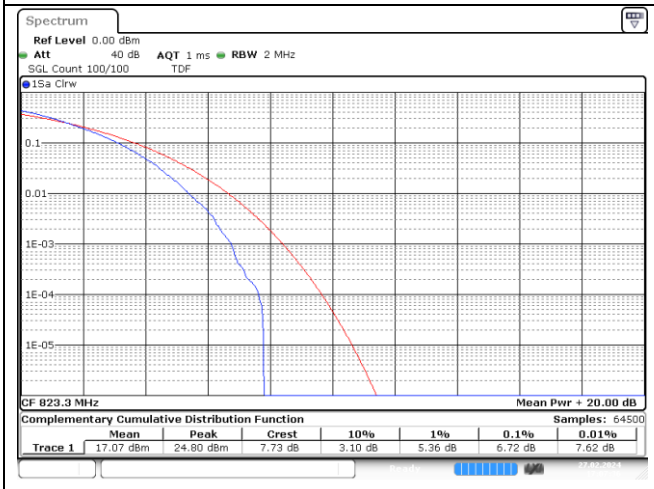
LTE band 26/5_Part 90



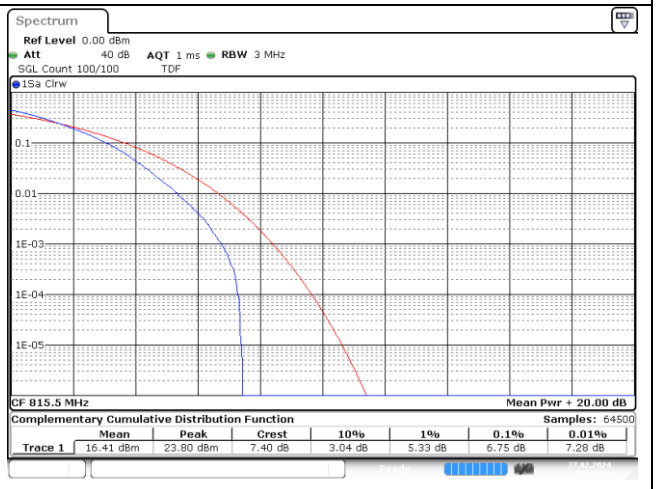
1.4 ㎒ Low Channel- Full RB



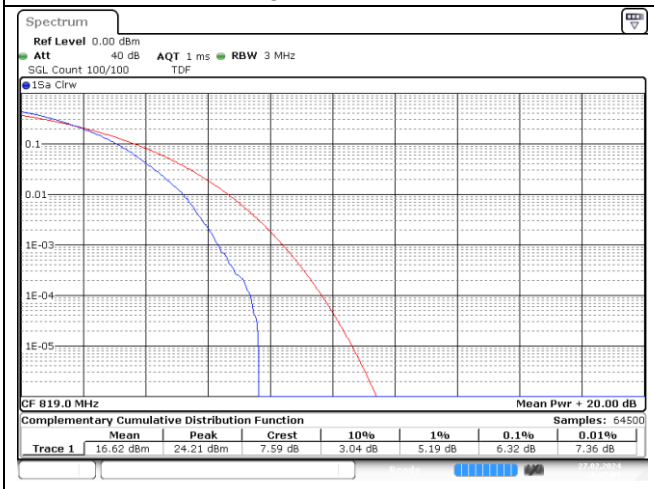
1.4 ㎒ Middle Channel - Full RB



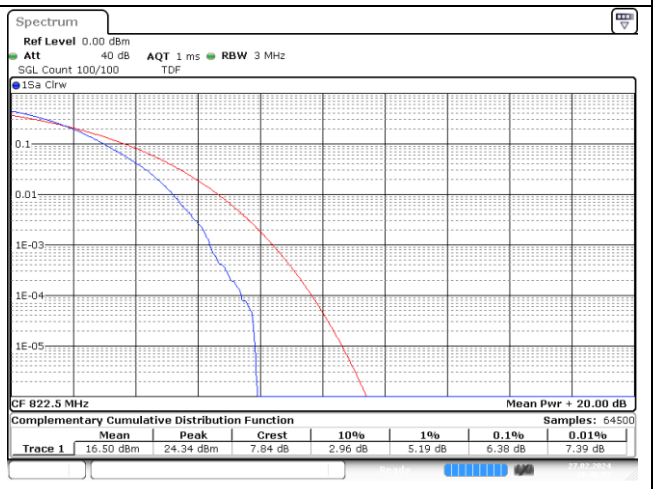
1.4 ㎒ High Channel - Full RB



3 ㎒ Low Channel - Full RB

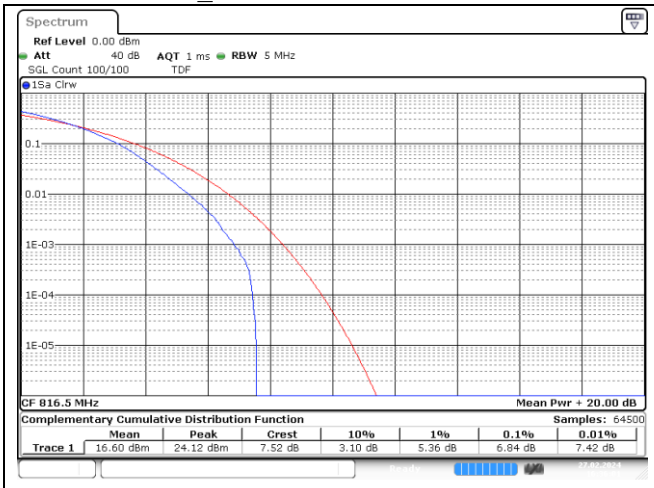


3 ㎒ Middle Channel - Full RB

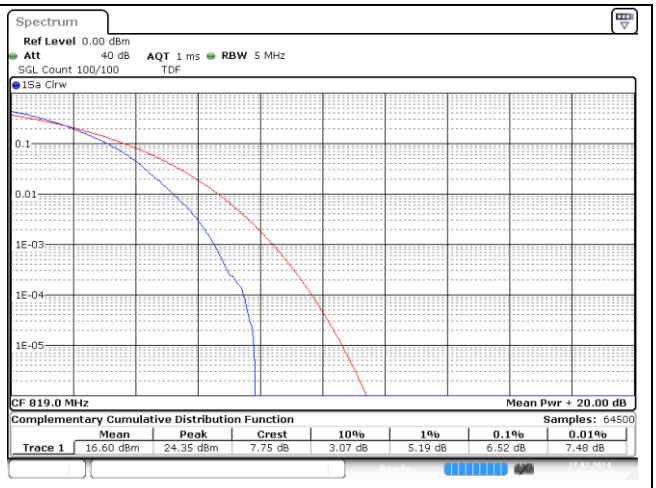


3 ㎒ High Channel - Full RB

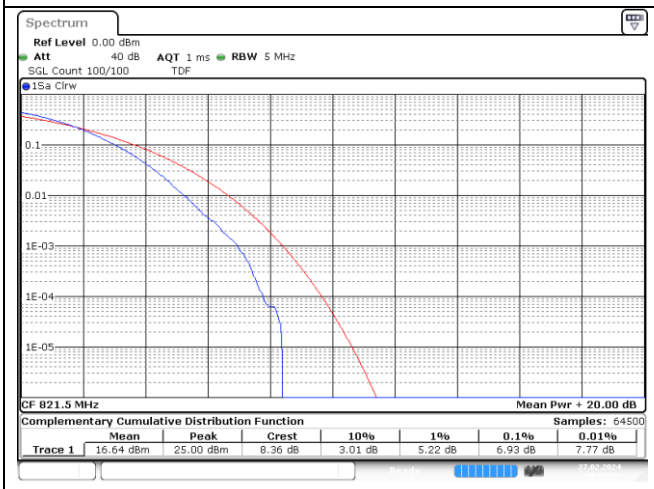
LTE band 26/5_Part 90



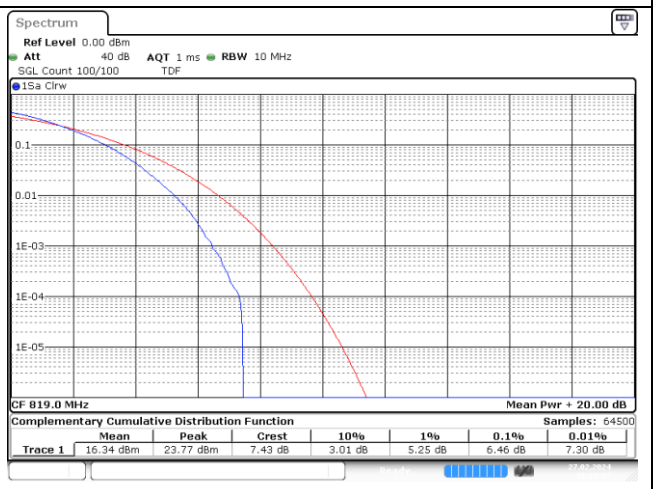
5 ㎒ Low Channel - Full RB



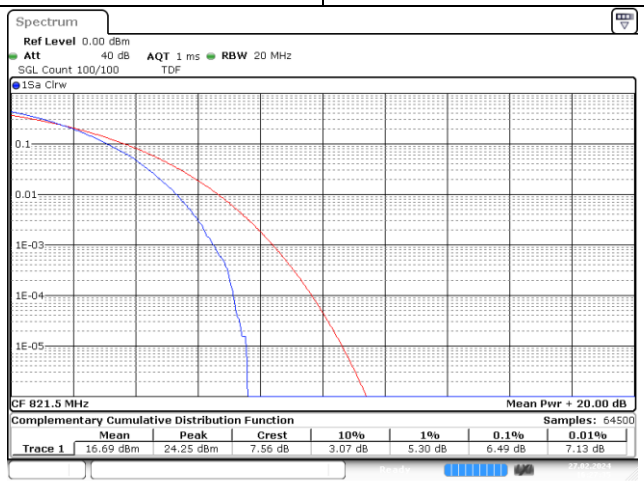
5 ㎒ Middle Channel - Full RB



5 ㎒ High Channel - Full RB

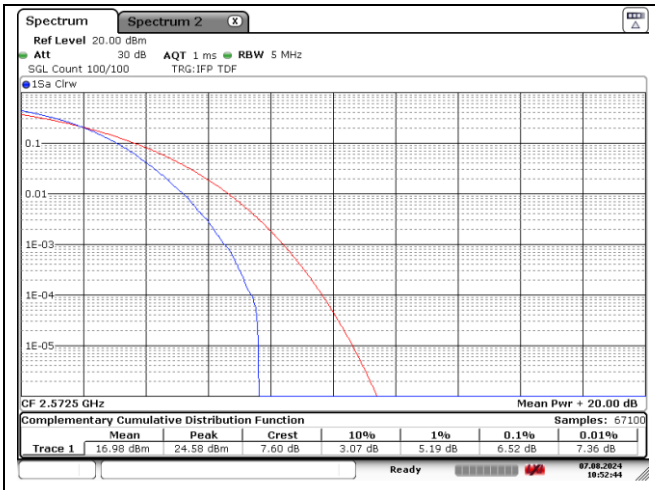


10 ㎒ Middle Channel - Full RB

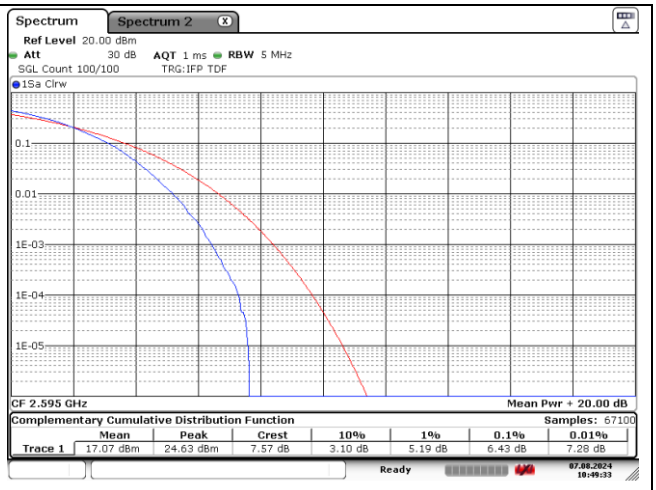


15 ㎒ Low Channel - Full RB

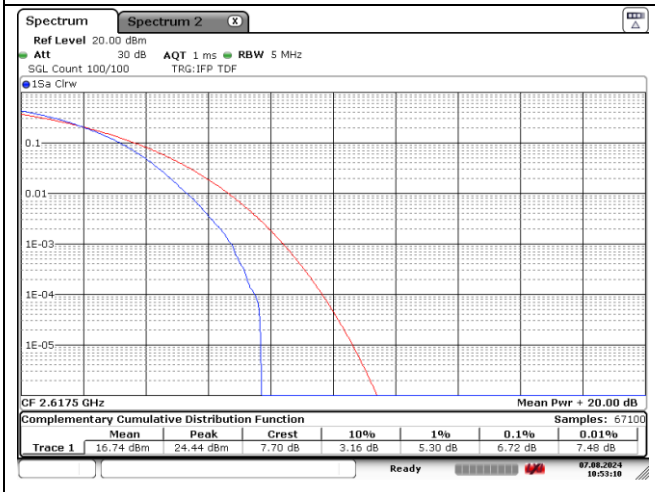
LTE band 38



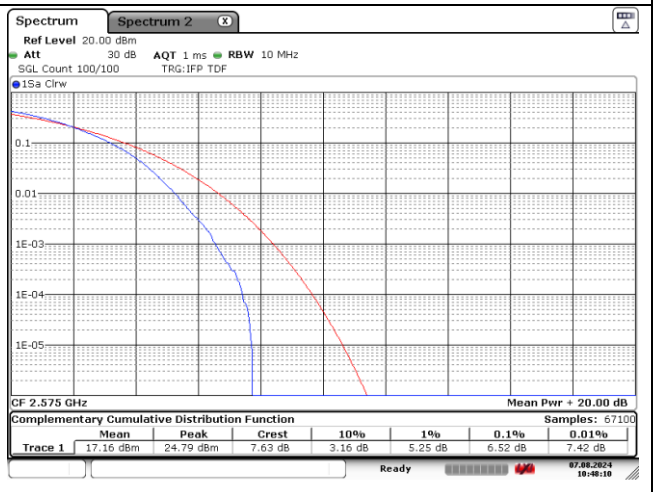
5 ㎒ Low Channel - Full RB



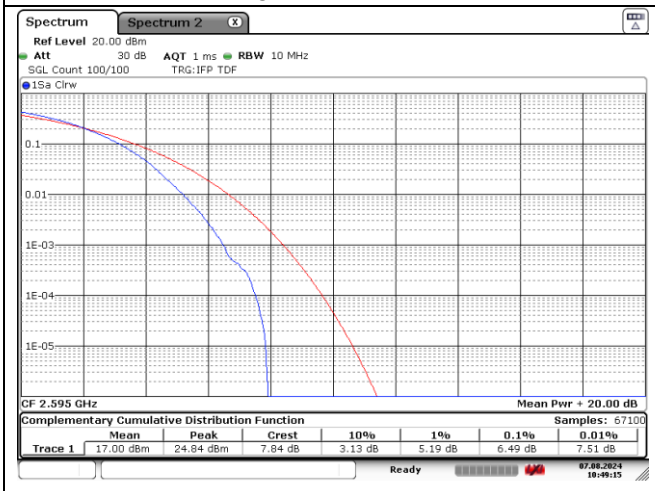
5 ㎒ Middle Channel - Full RB



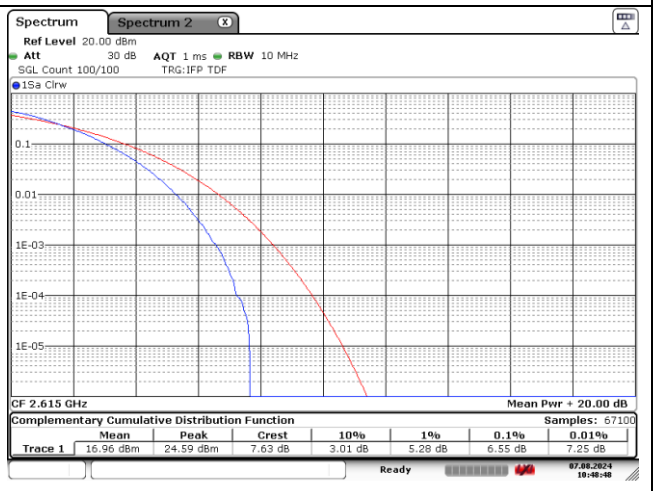
5 ㎒ High Channel - Full RB



10 ㎒ Low Channel - Full RB

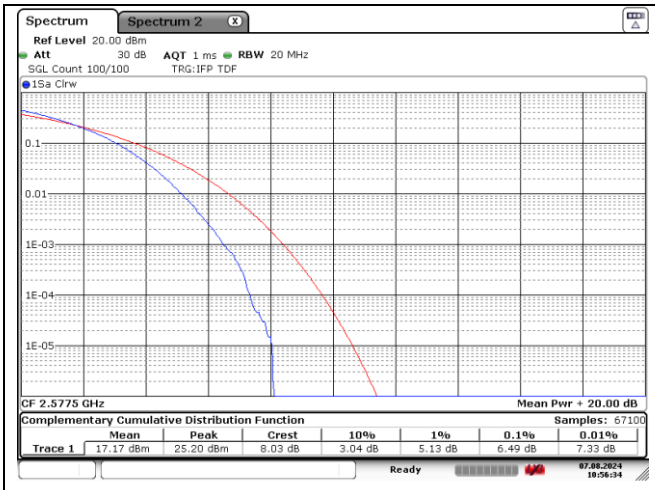


10 ㎒ Middle Channel - Full RB

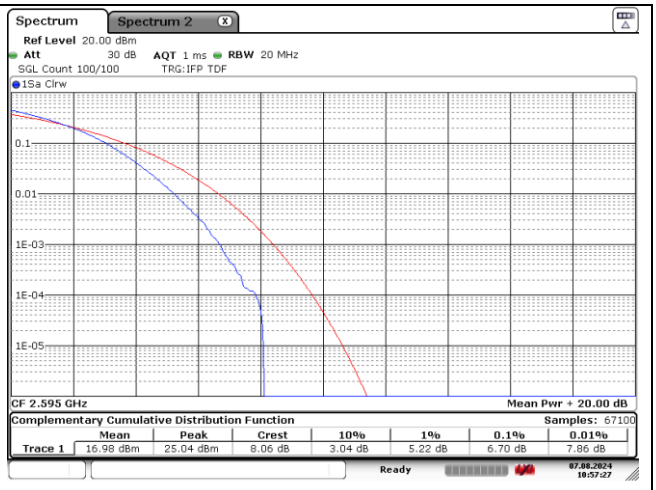


10 ㎒ High Channel - Full RB

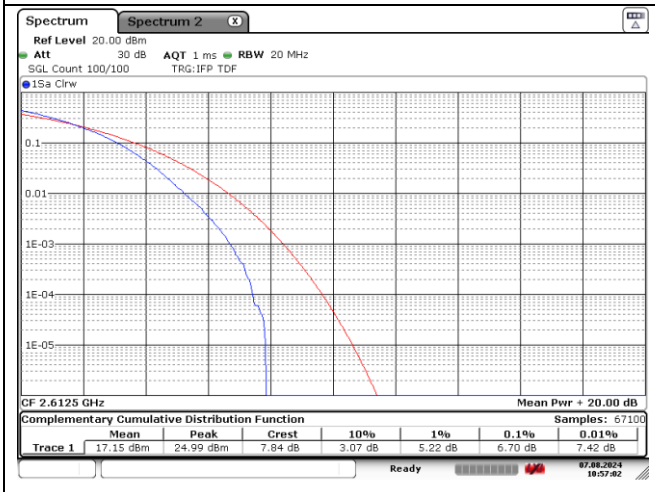
LTE band 38



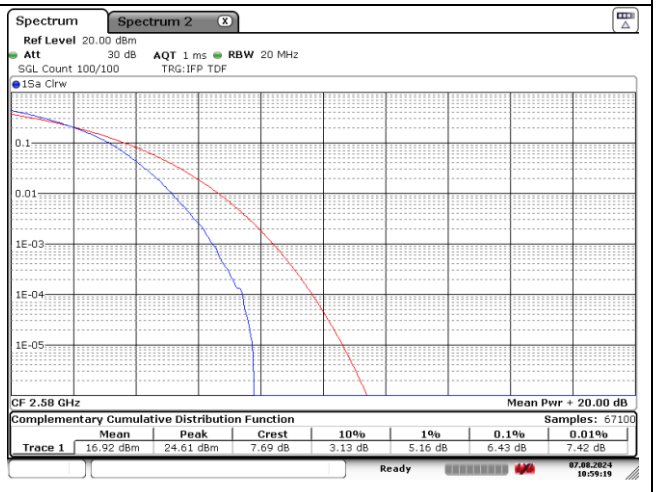
15 ㎒ Low Channel - Full RB



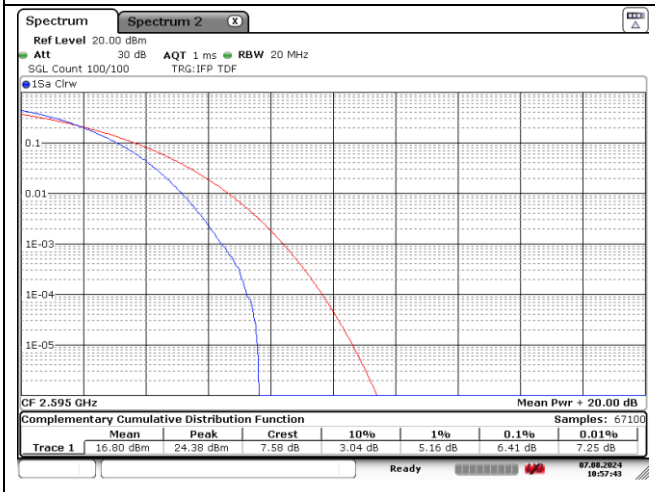
15 ㎒ Middle Channel - Full RB



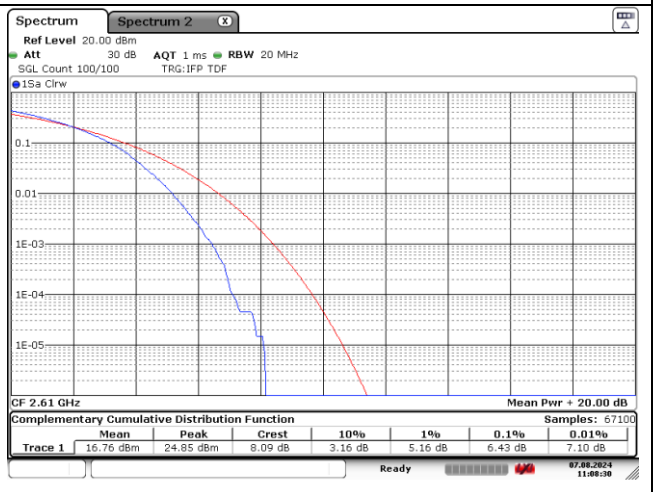
15 ㎒ High Channel - Full RB



20 ㎒ Low Channel - Full RB

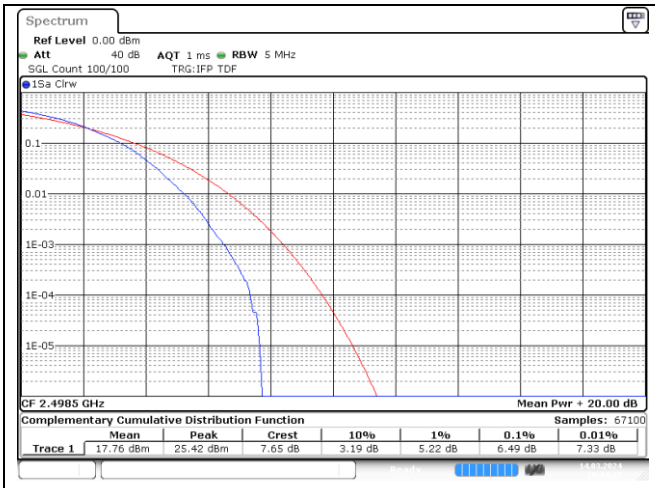


20 ㎒ Middle Channel - Full RB

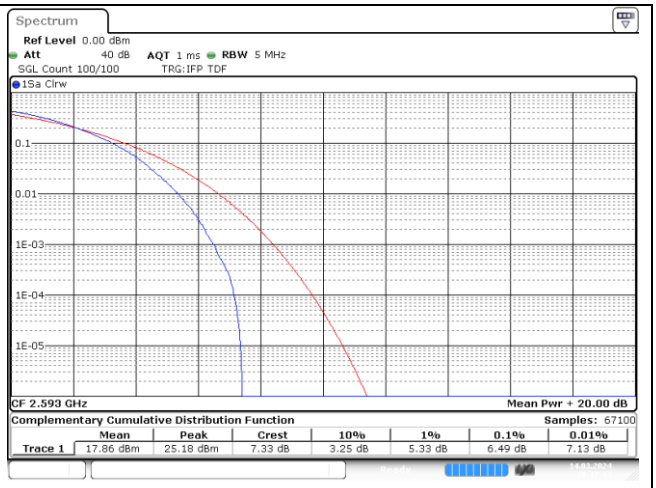


20 ㎒ High Channel - Full RB

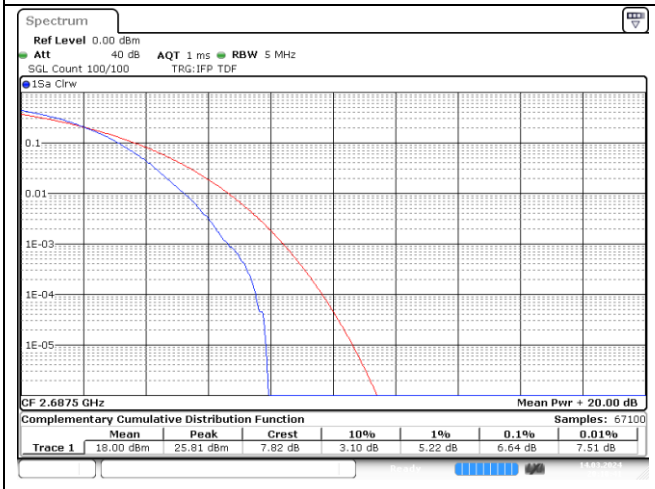
LTE band 41



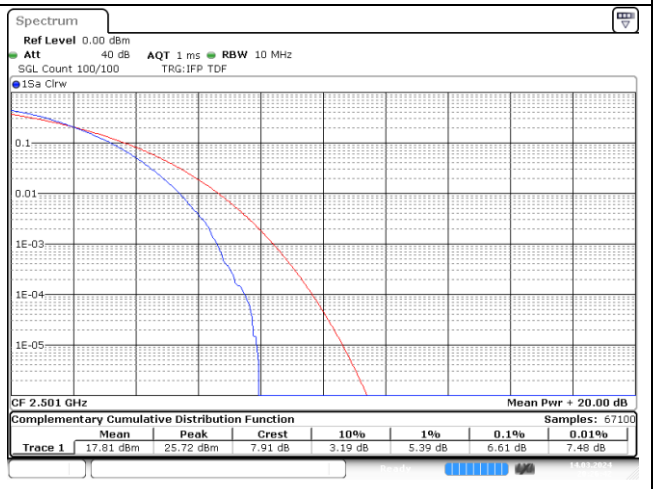
5 ㎒ Low Channel - Full RB



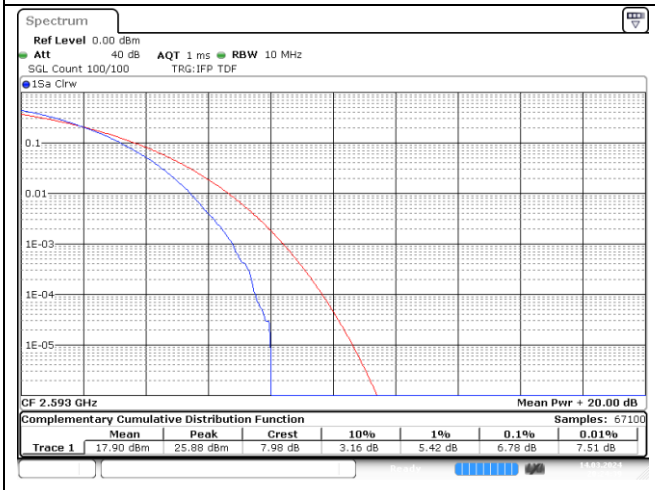
5 ㎒ Middle Channel - Full RB



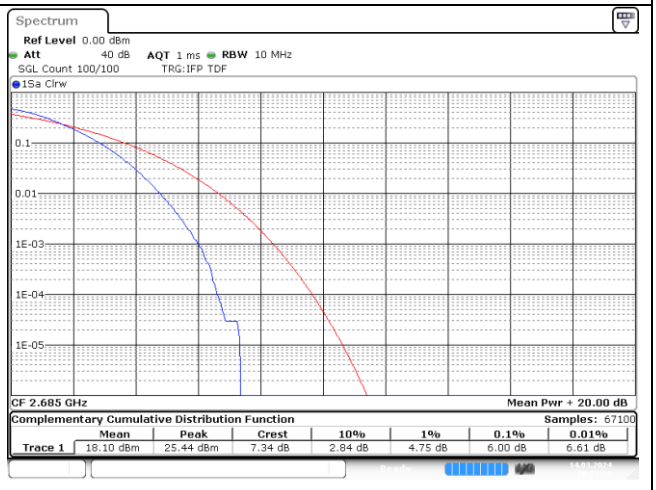
5 ㎒ High Channel - Full RB



10 ㎒ Low Channel - Full RB

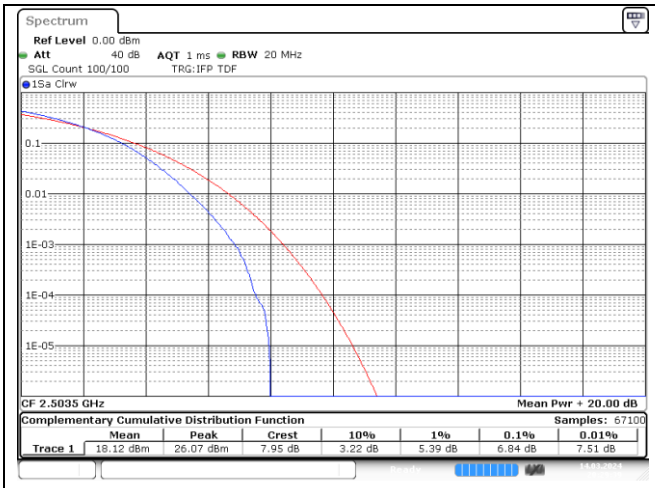


10 ㎒ Middle Channel - Full RB



10 ㎒ High Channel - Full RB

LTE band 41



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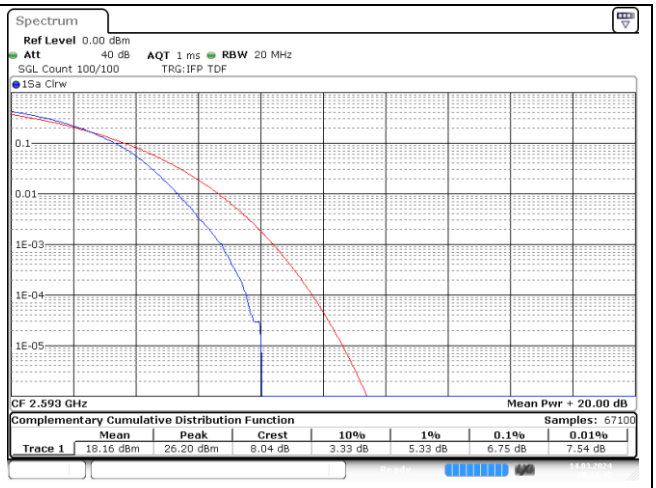

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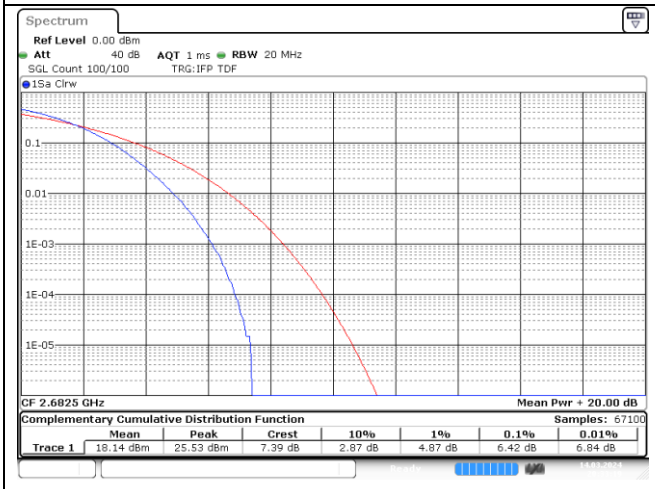

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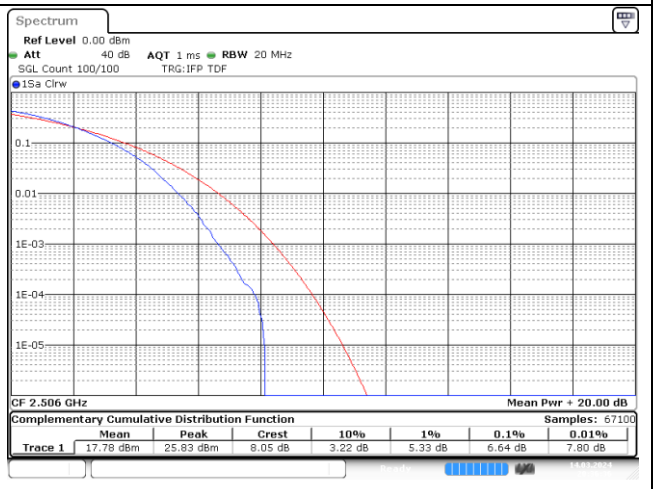

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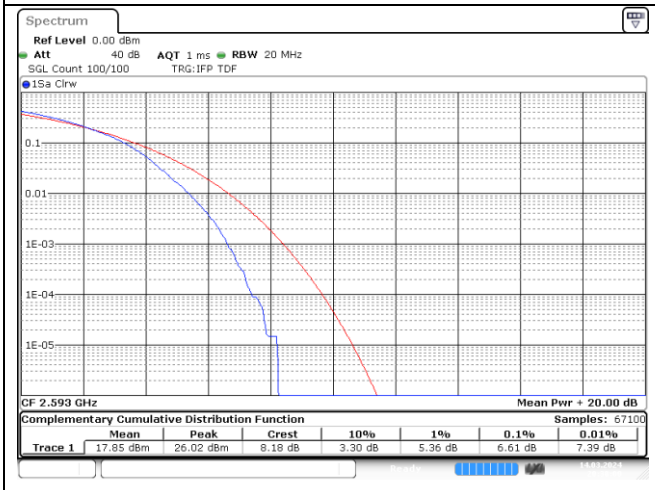

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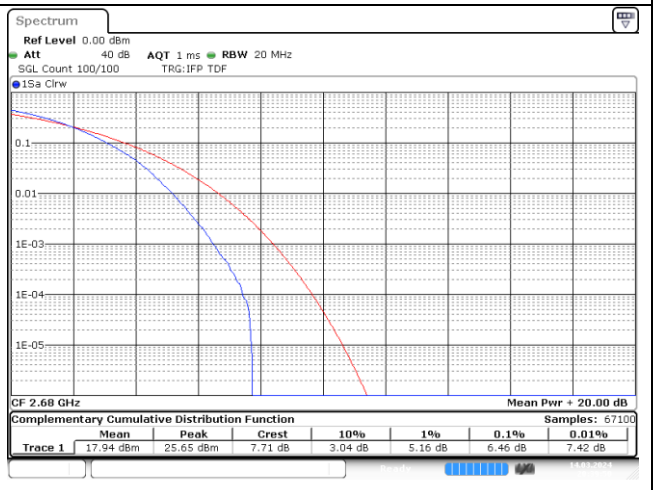
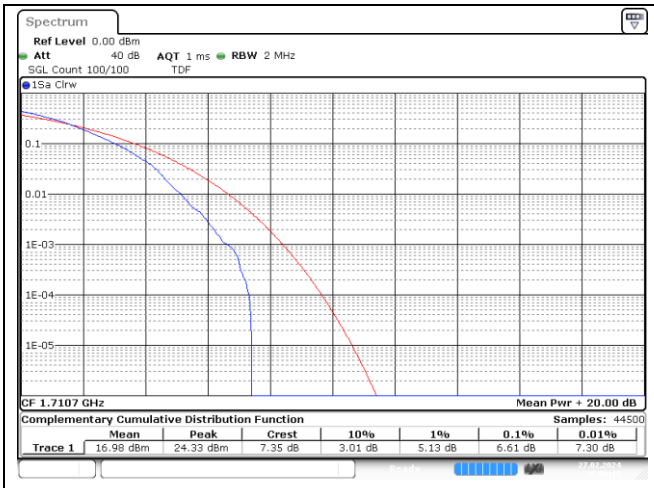
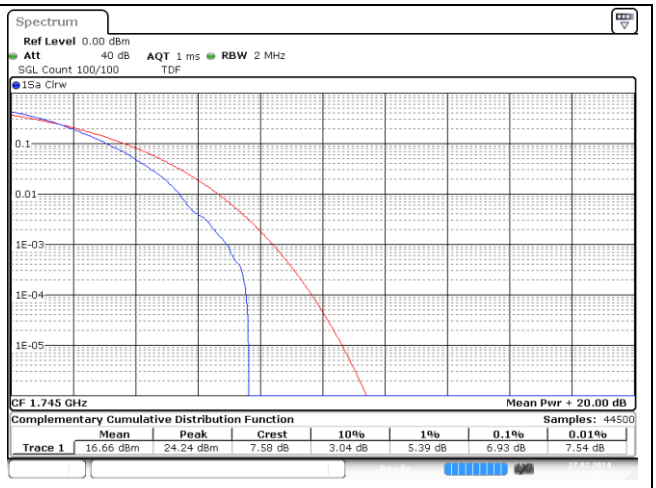


20 ㎒ High Channel - Full RB

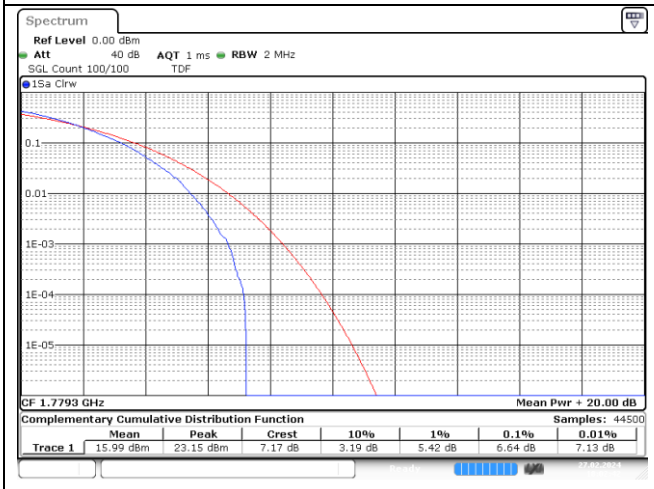
LTE band 66/4



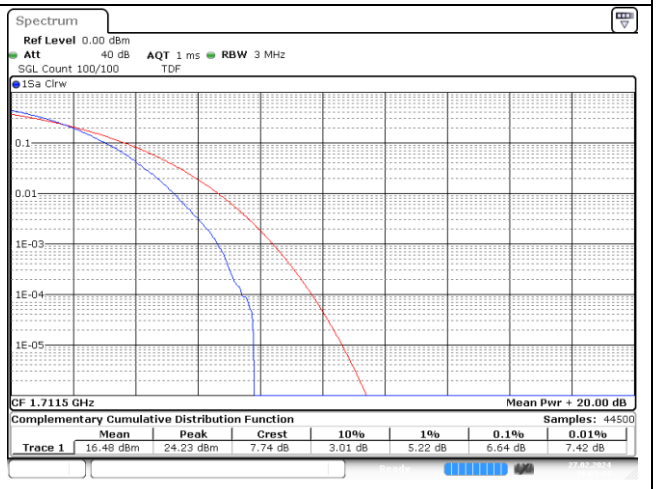
1.4 ㎒ Low Channel- Full RB



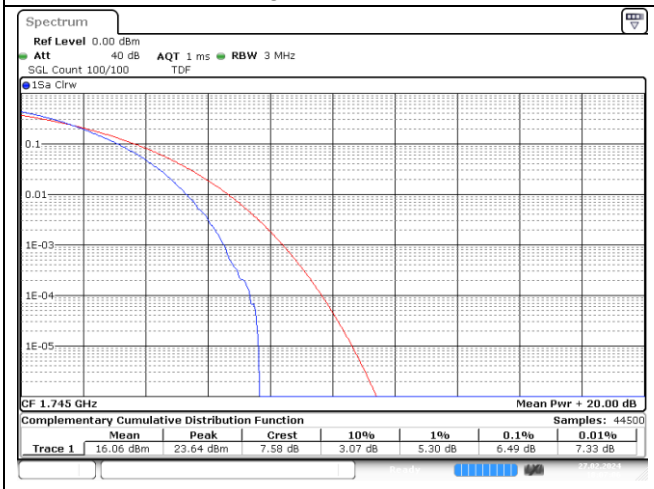
1.4 ㎒ Middle Channel - Full RB



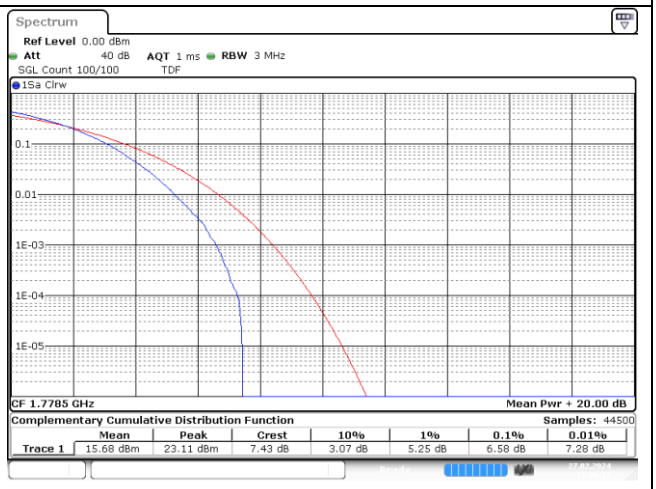
1.4 ㎒ High Channel - Full RB



3 ㎒ Low Channel - Full RB

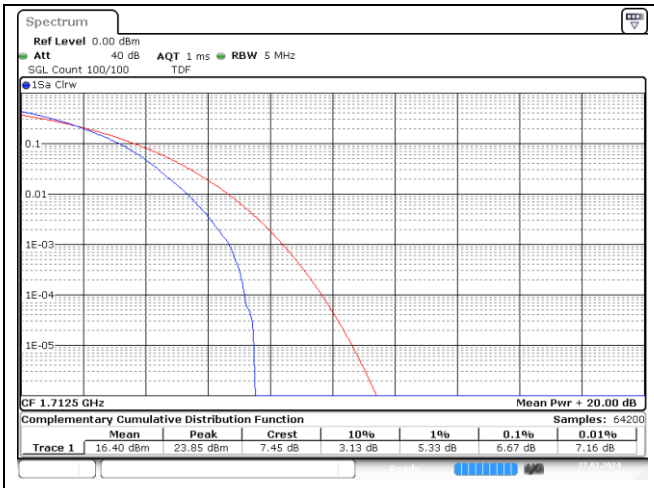


3 ㎒ Middle Channel - Full RB

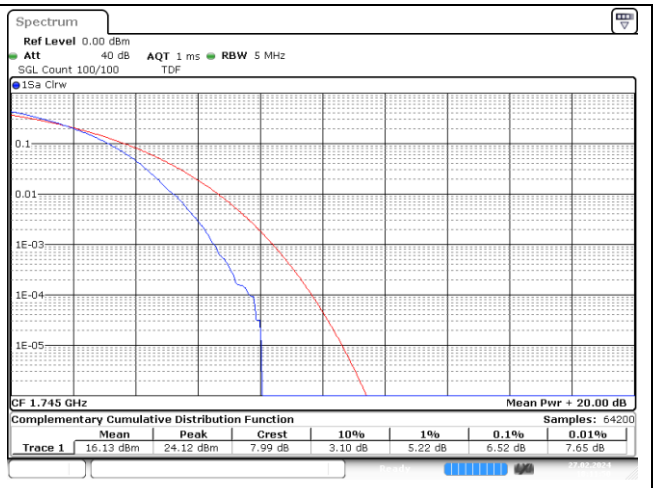


3 ㎒ High Channel - Full RB

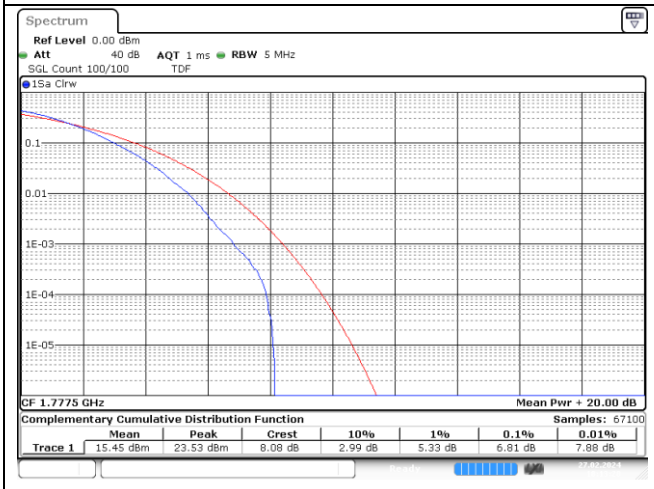
LTE band 66/4



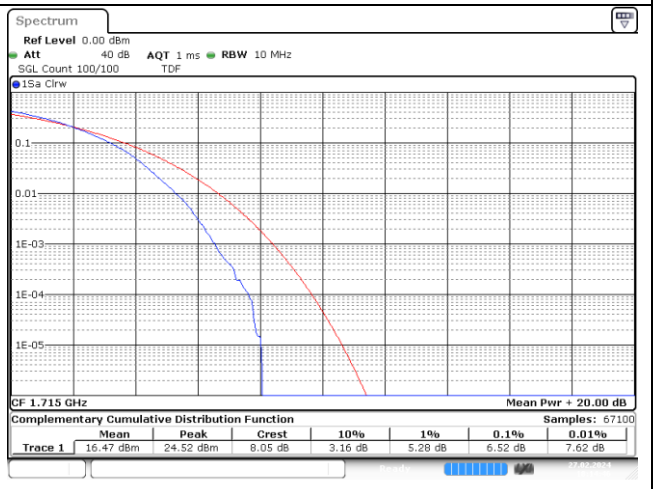
5 ㎒ Low Channel - Full RB



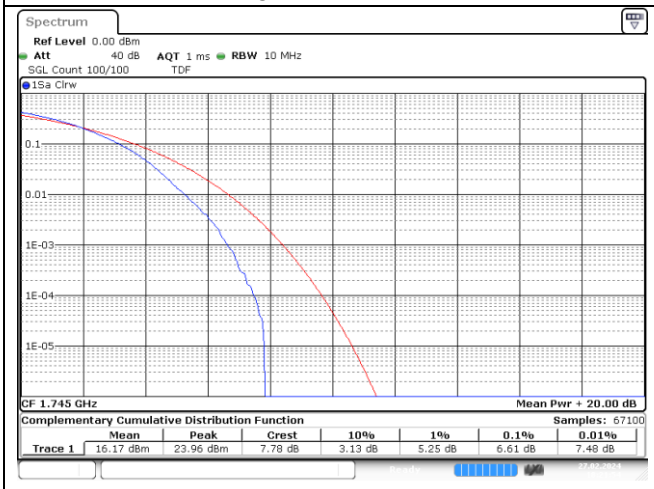
5 ㎒ Middle Channel - Full RB



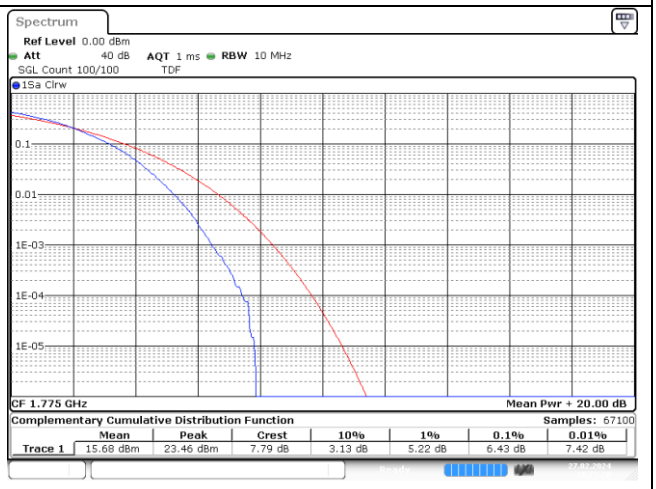
5 ㎒ High Channel - Full RB



10 ㎒ Low Channel - Full RB

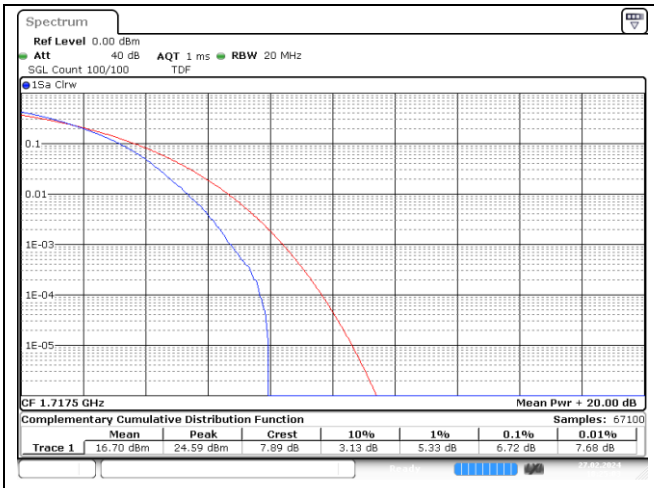


10 ㎒ Middle Channel - Full RB

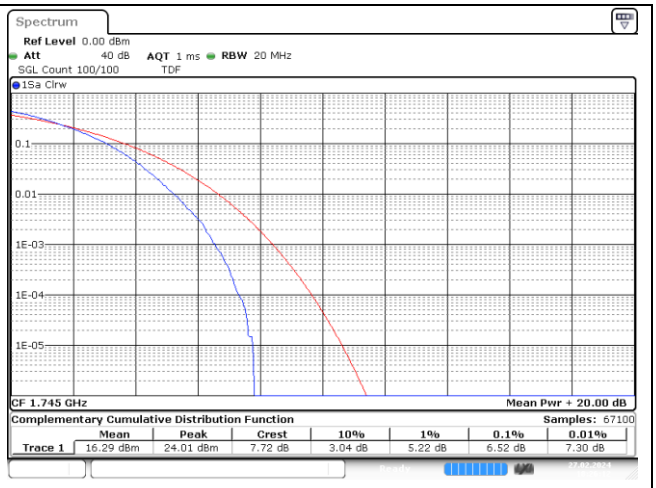


10 ㎒ High Channel - Full RB

LTE band 66/4



15 ㎒ Low Channel - Full RB



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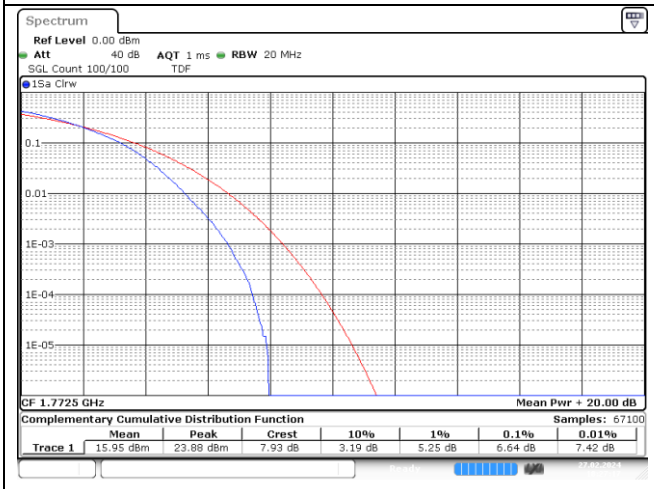
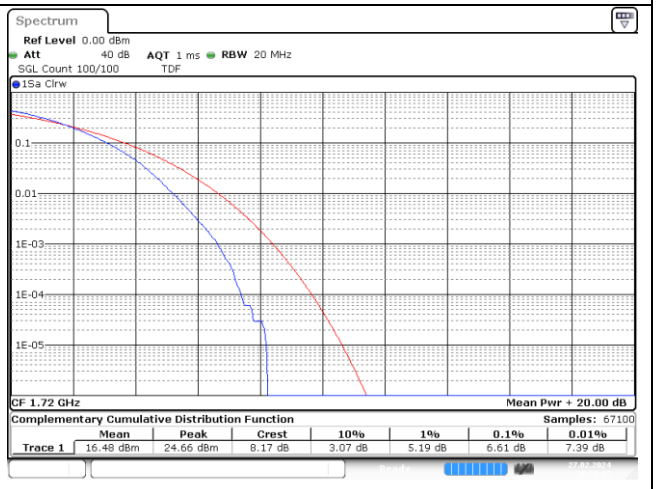
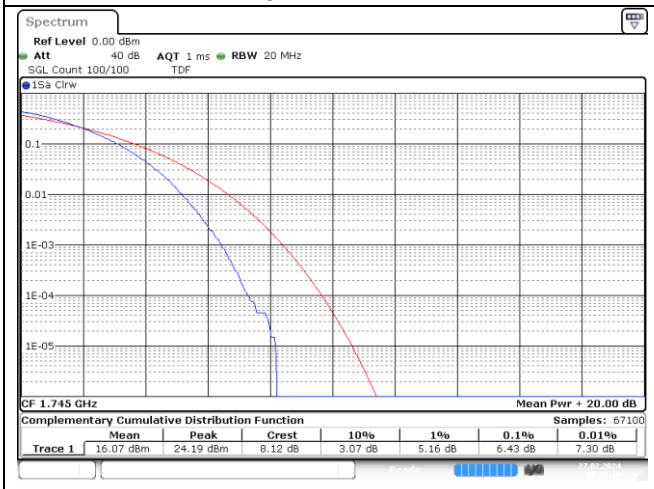


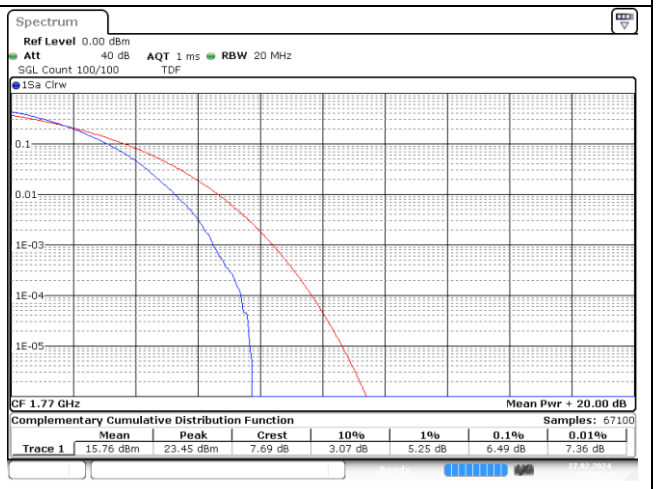
15 ㎒ High Channel - Full RB



20 ㎒ Low Channel - Full RB



20 ㎒ Middle Channel - Full RB



20 ㎒ High Channel - Full RB

6. Spurious Emissions at Antenna Terminal

6.1. Limit

- §22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) ㏈.

- §24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) ㏈.

- §27.53(h)(1), for operations in the 1 695-1 710 ㎒, 1 710-1 755 ㎒, 1 755-1 780 ㎒, 1 915-1 920 ㎒, 1 995-2 000 ㎒, 2 000-2 020 ㎒, 2 110-2 155 ㎒, 2 155-2 180 ㎒, and 2 180-2 200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) ㏈.

- §27.53(m)(4), for mobile digital stations, the attenuation factor shall be not less than 40 + 10 $\log_{10}$ (P) ㏈ on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 $\log_{10}$ (P) ㏈ on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 $\log_{10}$ (P) ㏈ on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 $\log_{10}$ (P) ㏈ on all frequencies between 2490.5 ㎒ and 2496 ㎒ and 55 + 10 $\log_{10}$ (P) ㏈ at or below 2490.5 ㎒. Mobile Satellite Service licensees operating on frequencies below 2495 ㎒ may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

- §90.691(a), out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

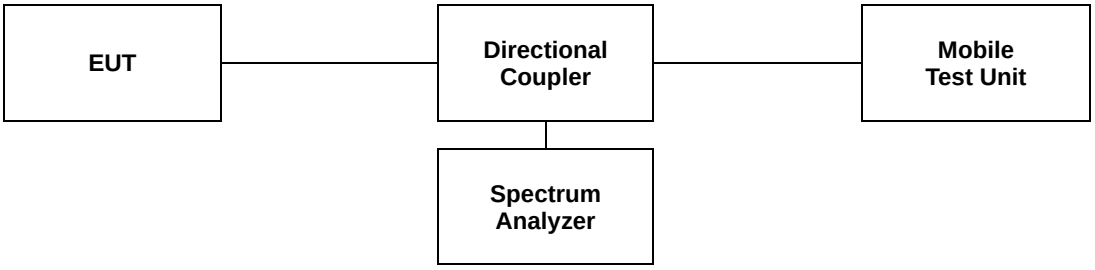
(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 ㎑, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log_{10} (f / 6.1) decibels or 50 + 10 Log_{10} (P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 ㎑.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 ㎑, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 Log_{10} (P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 ㎑.

6.2. Test Procedure

The test follows section 5.7 of ANSI C63.26-2015.

1. Start frequency was set to 9 ㎑ and stop frequency was set to at least 10* the fundamental frequency.
2. Detector = RMS.
3. Trace mode = Max hold.
4. Sweep time = Auto couple.
5. The trace was allowed to stabilize.
6. Please see notes below for RBW and VBW settings.
7. For plots showing conducted spurious emissions from 9 ㎑ to 27 ㎓, all path loss of wide frequency range was investigated and compensated to spectrum analyzer as TDF function.



Note;

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 ㎑ or greater for frequencies less than 1 ㎓ and frequencies greater than 1 ㎓. However, in the 1 ㎒ bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two point, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 ㏈ below the transmitter power.