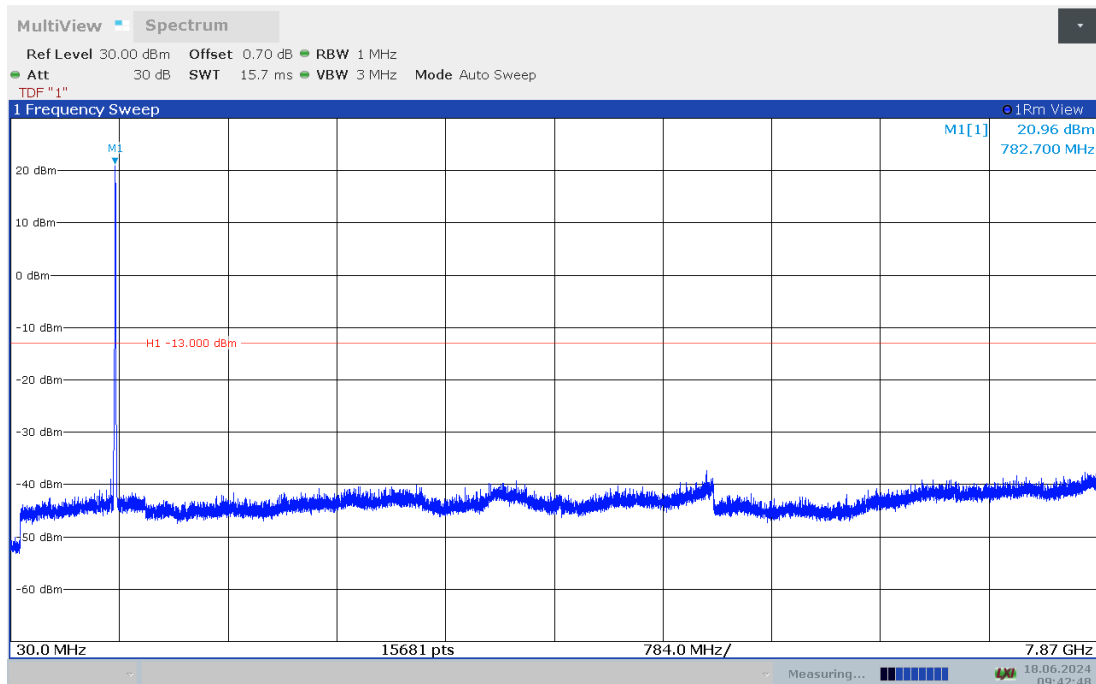


LTE band 13: 30MHz – 7.87GHz

Spurious emission limit –13dBm.

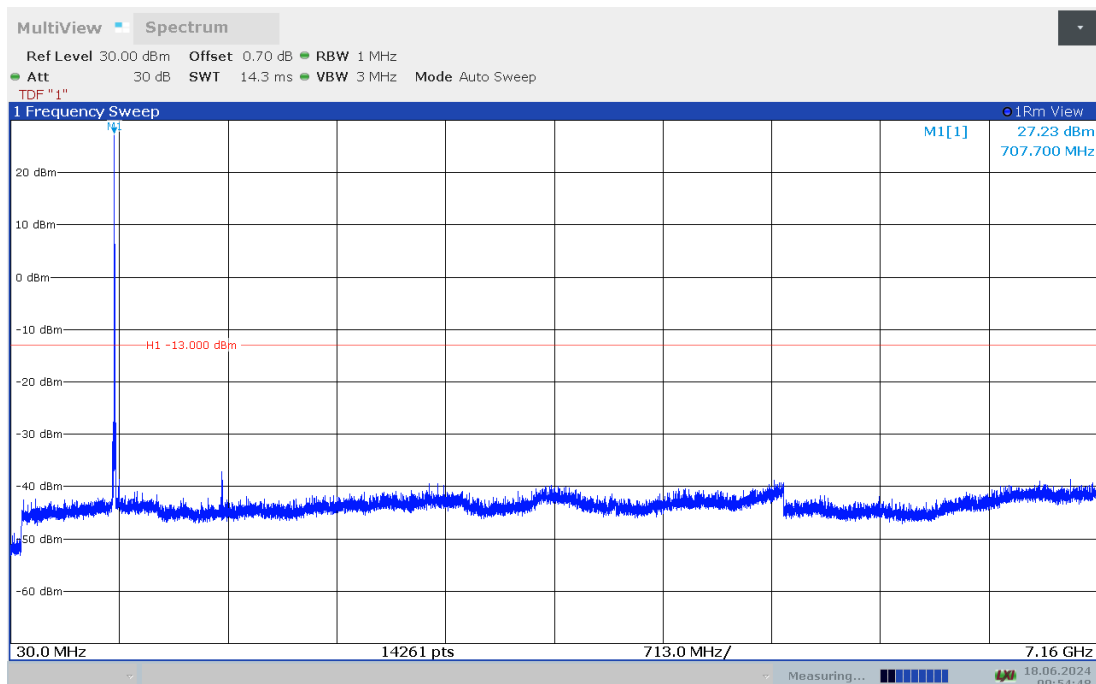
NOTE: peak above the limit line is the carrier frequency.



LTE band 17: 30MHz – 7.16GHz

Spurious emission limit –13dBm.

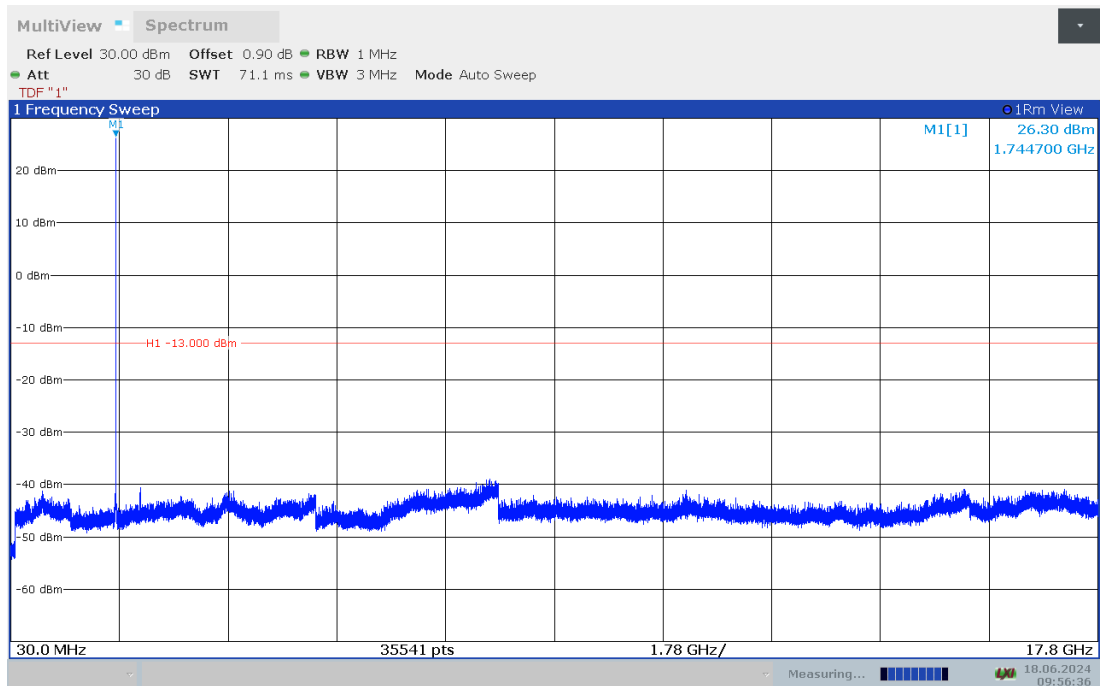
NOTE: peak above the limit line is the carrier frequency.



LTE Band 66: 30MHz – 17.8GHz

Spurious emission limit –13dBm.

NOTE: peak above the limit line is the carrier frequency.



A.8 PEAK-TO-AVERAGE POWER RATIO

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB

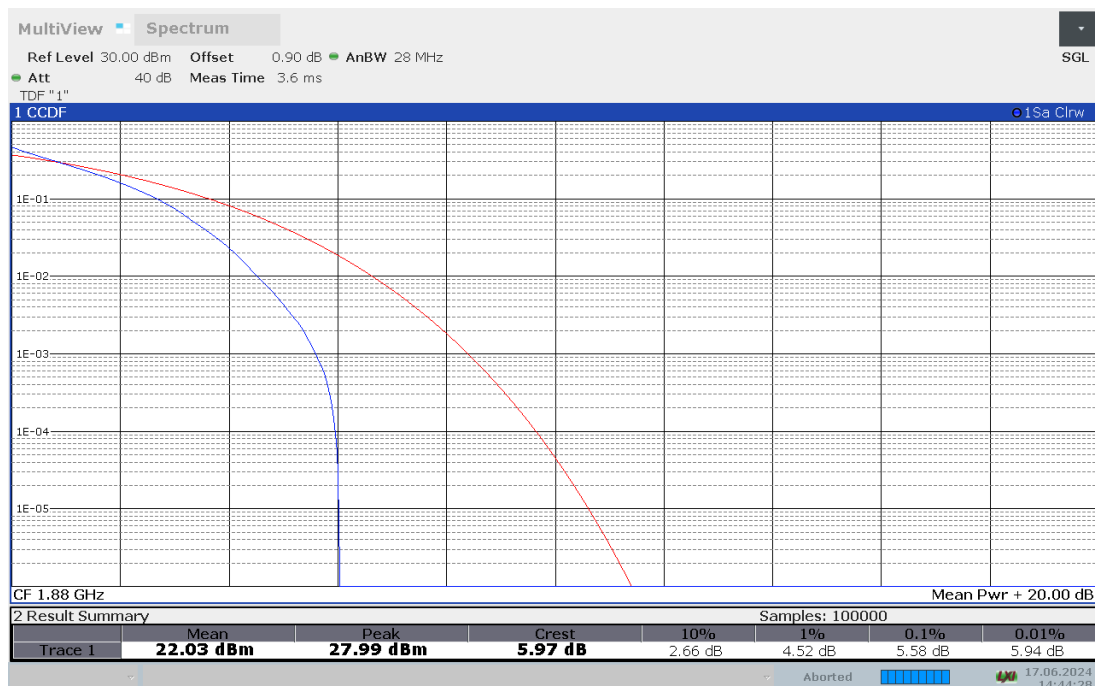
- Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- Record the maximum PAPR level associated with a probability of 0.1%.

Measurement results

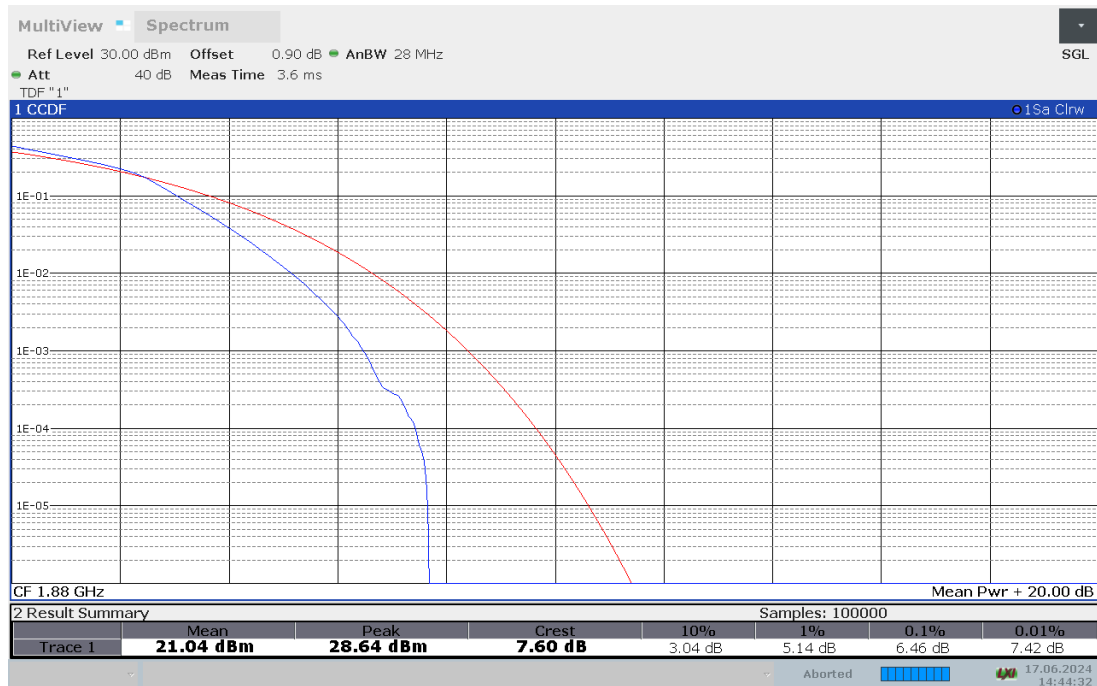
LTE Band 2, BW1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1880	100%,0	5.58	6.46

LTE band 2 , 1.4MHz Bandwidth,QPSK



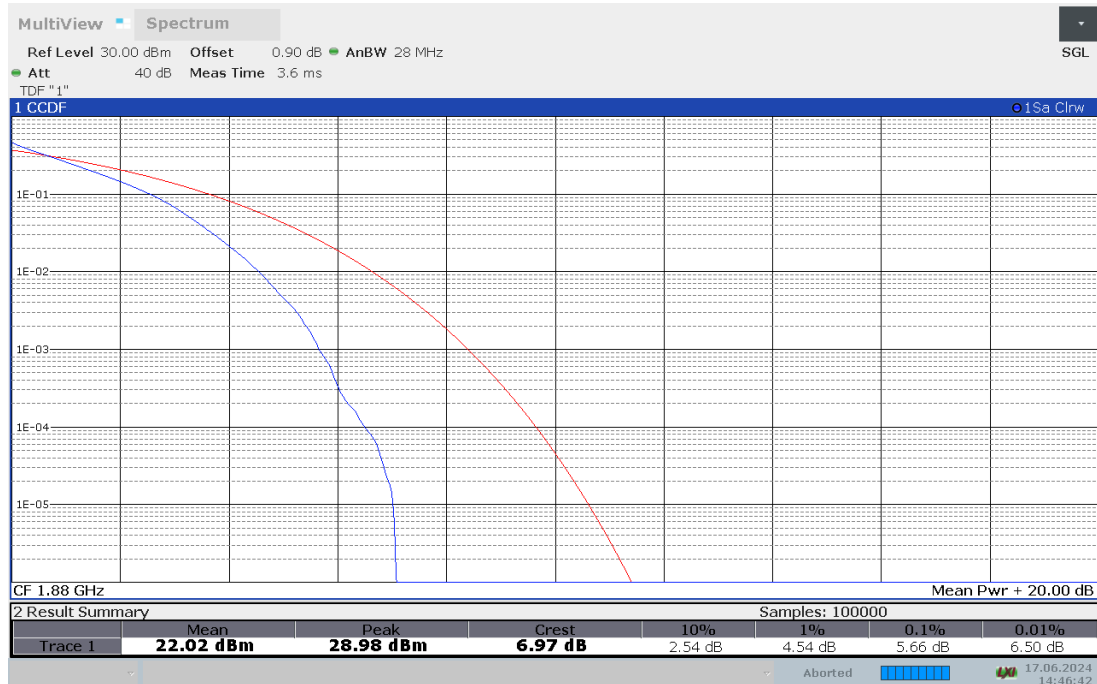
LTE band 2 , 1.4MHz Bandwidth,16QAM



LTE Band 2, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1880	100%,0	5.66	6.54

LTE band 2 , 3MHz Bandwidth,QPSK



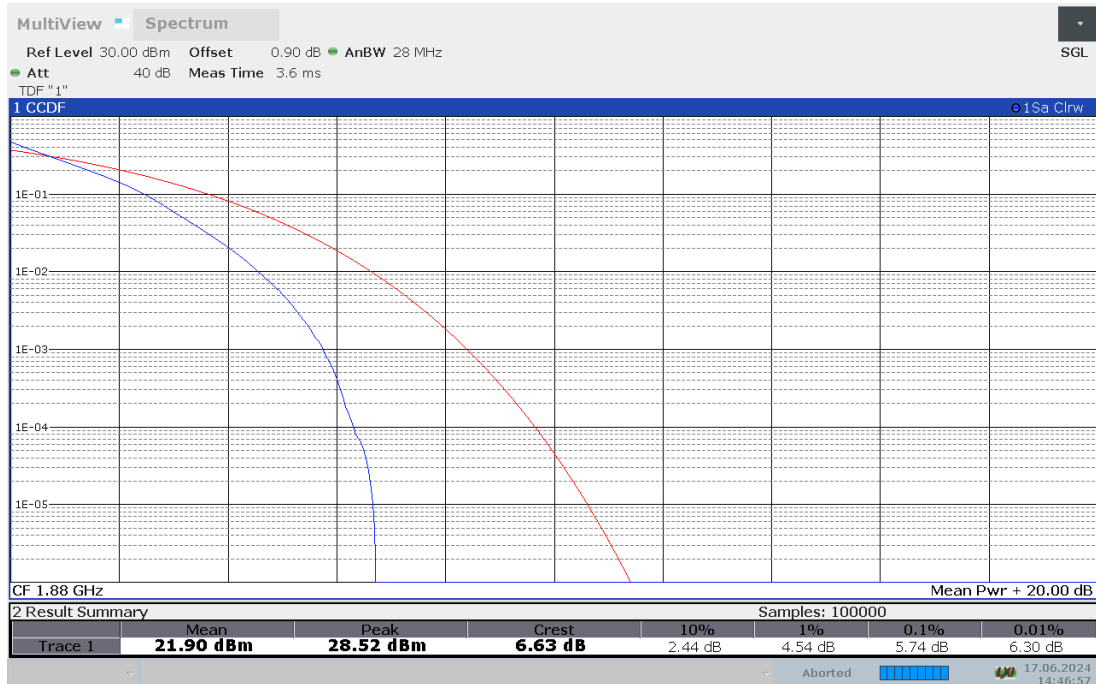
LTE band 2 , 3MHz Bandwidth,16QAM



LTE Band 2, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1880	100%,0	5.74	6.38

LTE band 2 , 5MHz Bandwidth,QPSK



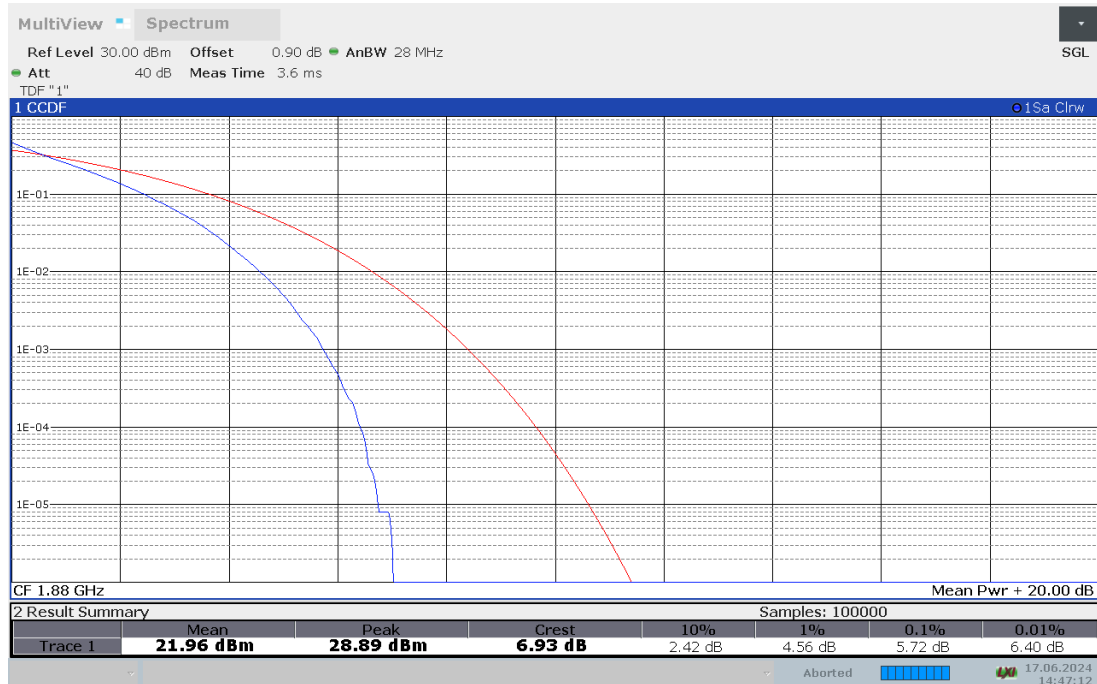
LTE band 2 , 5MHz Bandwidth,16QAM



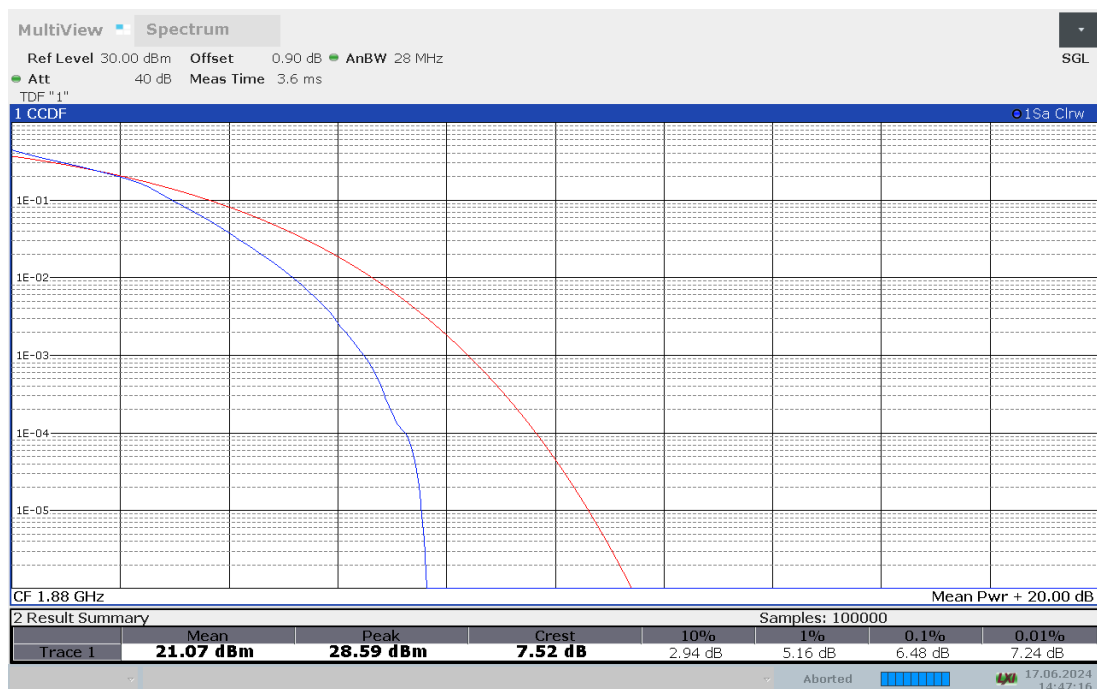
LTE Band 2, 10MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1880	100%,0	5.72	6.48

LTE band 2 , 10MHz Bandwidth,QPSK



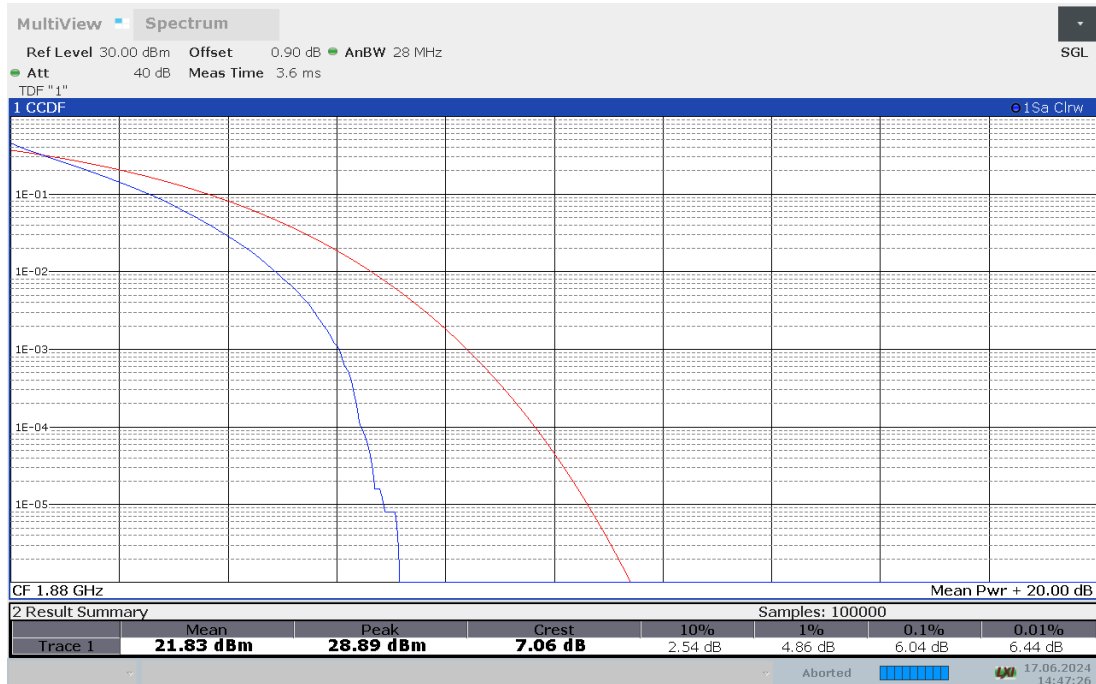
LTE band 2 , 10MHz Bandwidth,16QAM



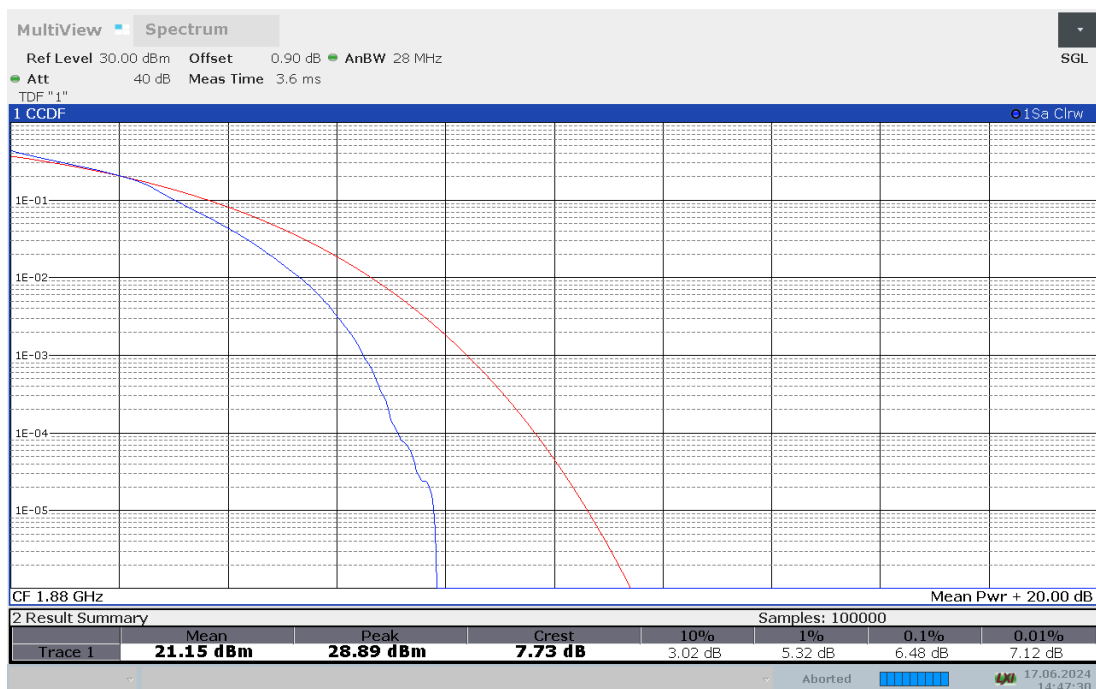
LTE Band 2, 15MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1880	100%,0	6.04	6.48

LTE band 2 , 15MHz Bandwidth,QPSK



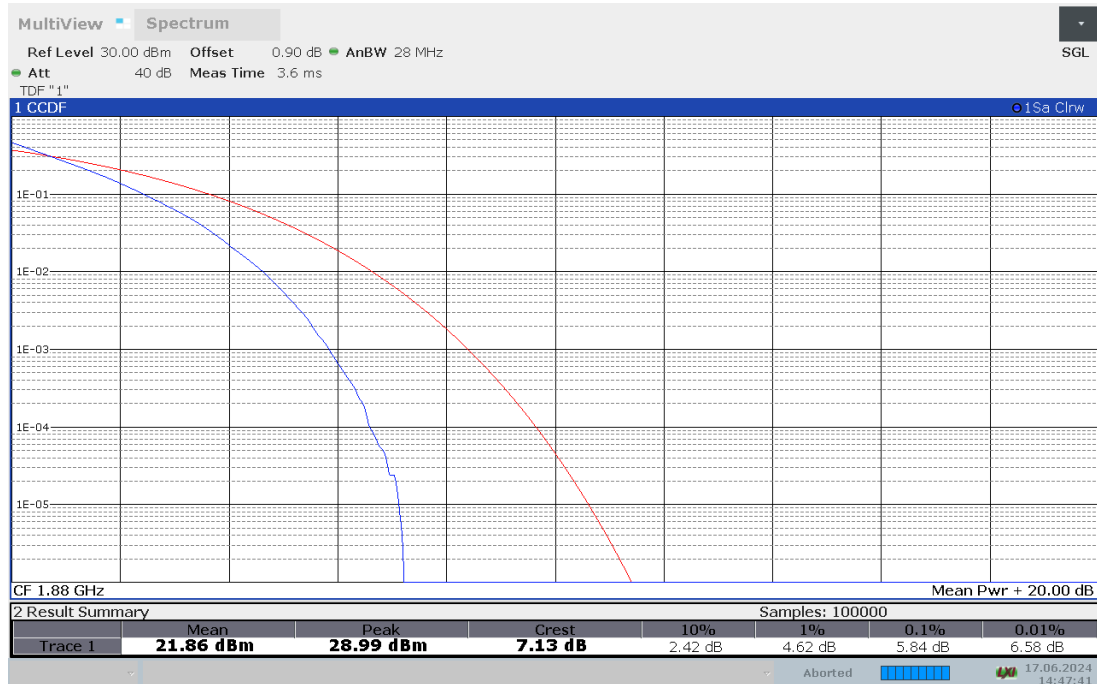
LTE band 2 , 15MHz Bandwidth,16QAM



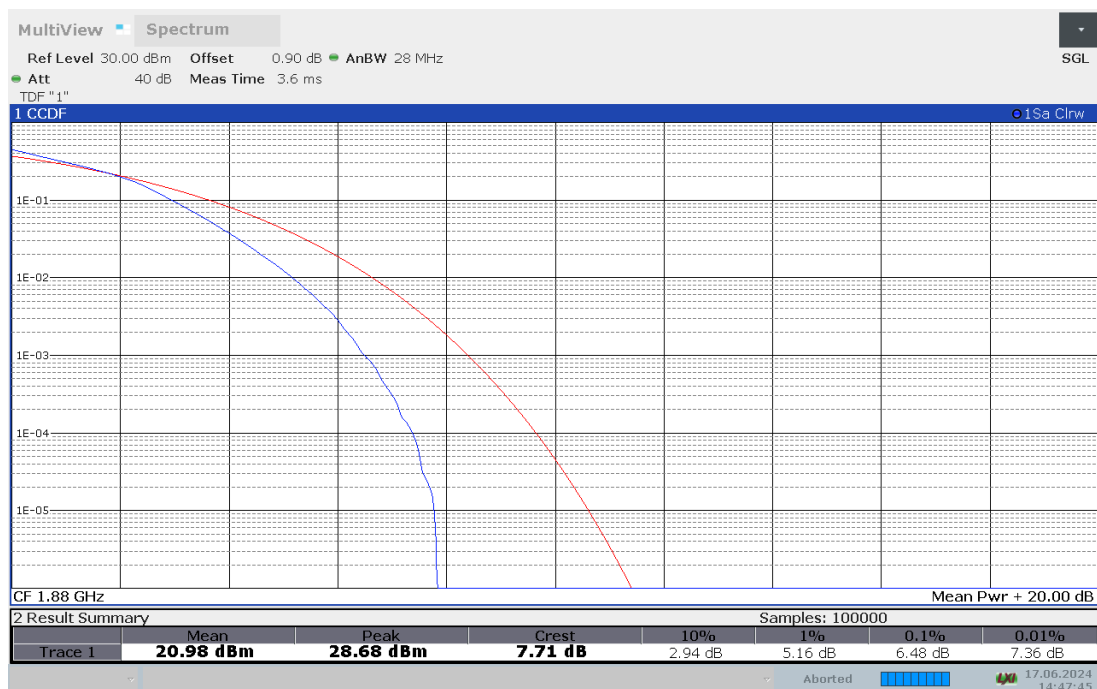
LTE Band 2, 20MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1880	100%,0	5.84	6.48

LTE band 2 , 20MHz Bandwidth,QPSK



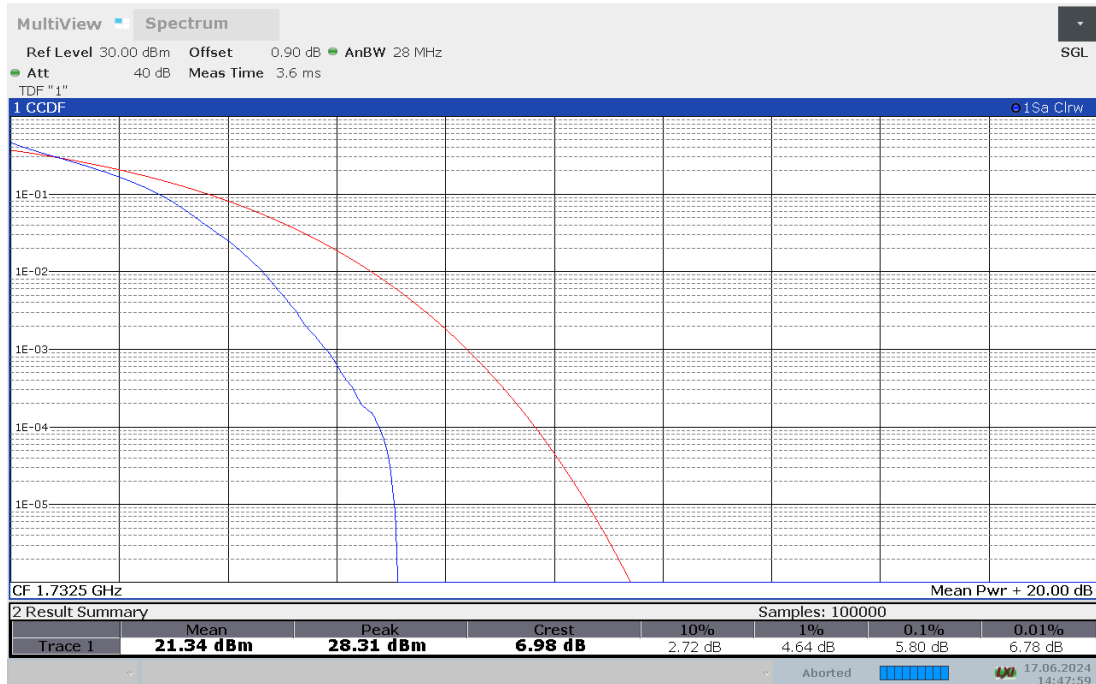
LTE band 2 , 20MHz Bandwidth,16QAM



LTE Band 4, BW1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1732.5	100%,0	5.80	6.28

LTE band 4 , 1.4MHz Bandwidth,QPSK



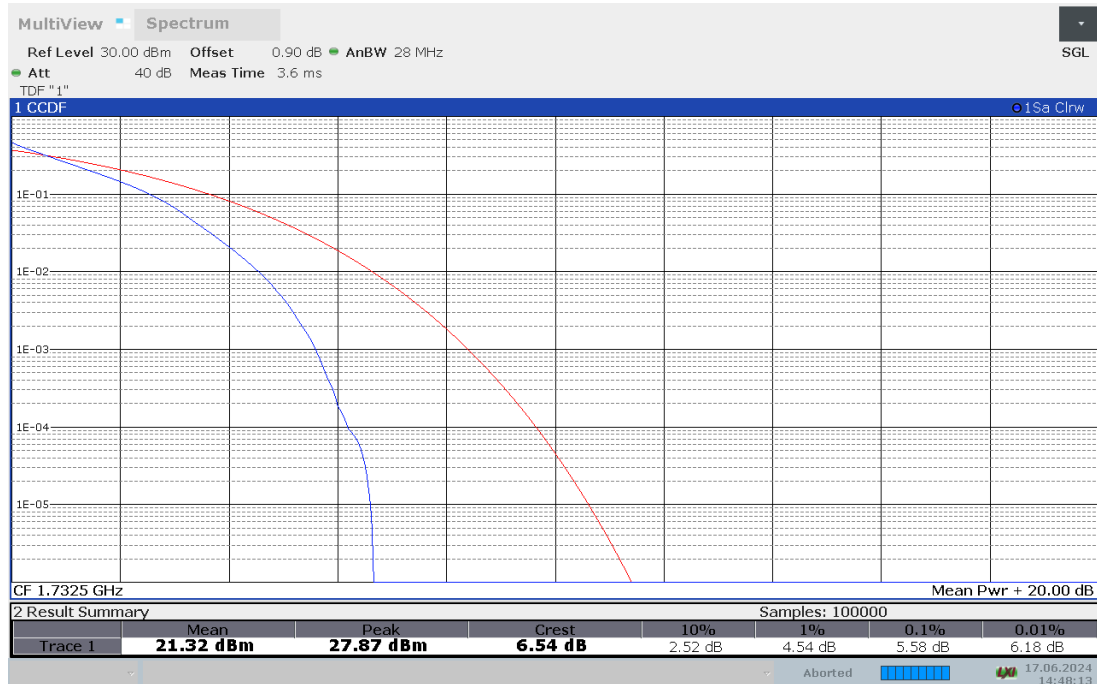
LTE band 4 , 1.4MHz Bandwidth,16QAM



LTE Band 4, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1732.5	100%,0	5.58	6.66

LTE band 4 , 3MHz Bandwidth,QPSK



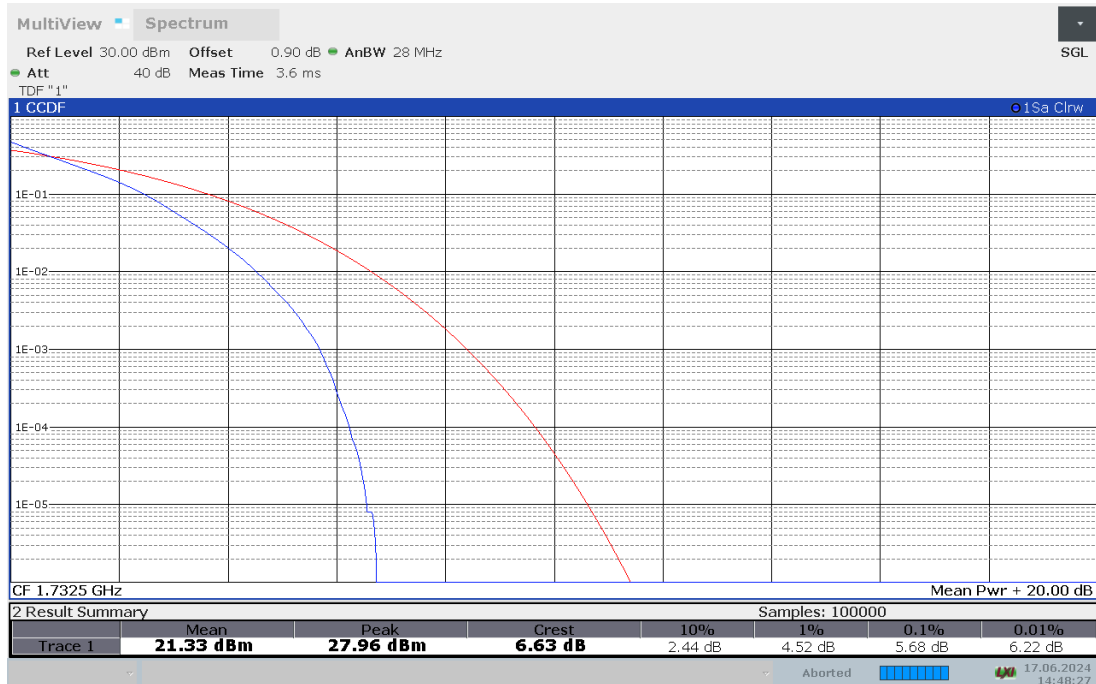
LTE band 4 , 3MHz Bandwidth,16QAM



LTE Band 4, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1732.5	100%,0	5.68	6.30

LTE band 4 , 5MHz Bandwidth,QPSK



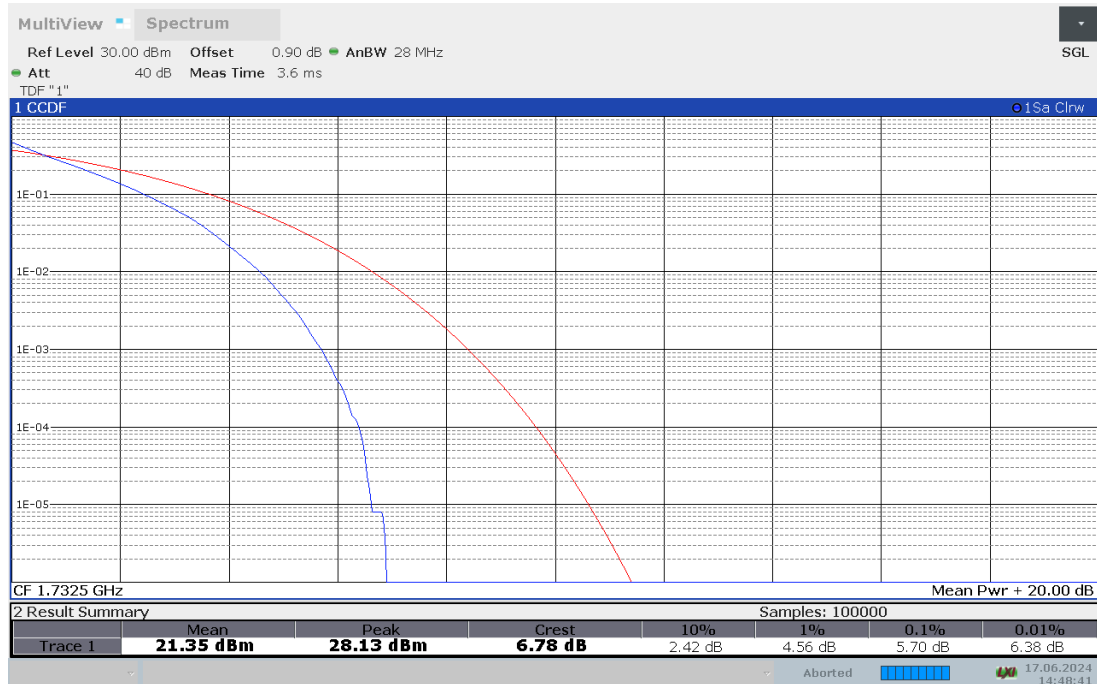
LTE band 4 , 5MHz Bandwidth,16QAM



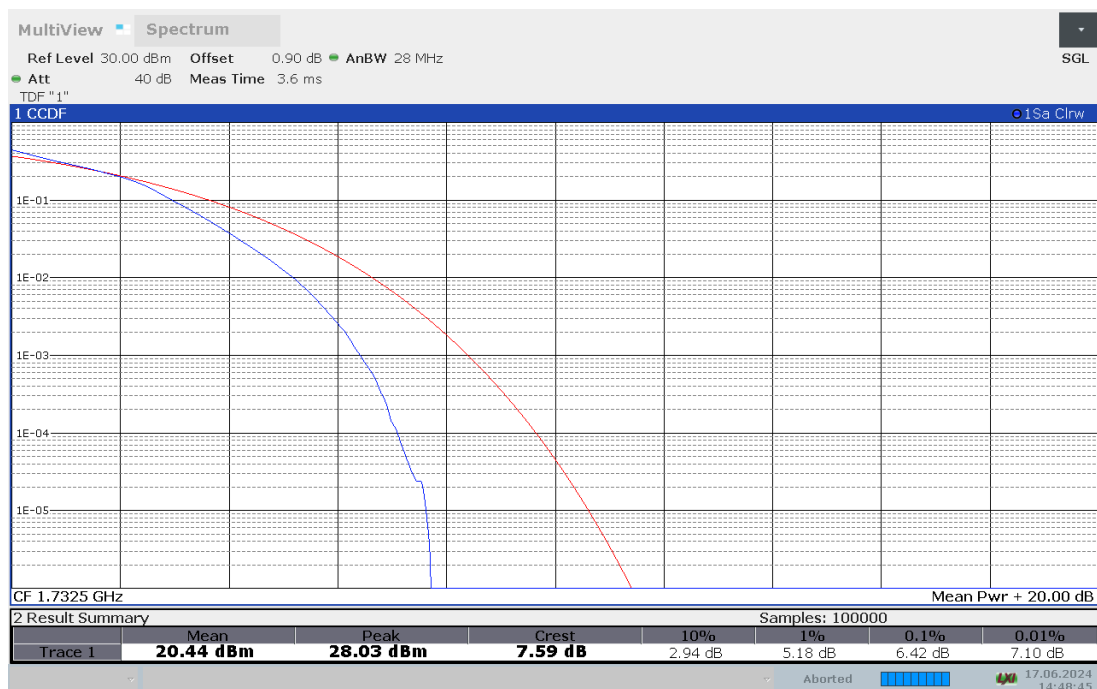
LTE Band 4, 10MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1732.5	100%,0	5.70	6.42

LTE band 4 , 10MHz Bandwidth,QPSK



LTE band 4 , 10MHz Bandwidth,16QAM



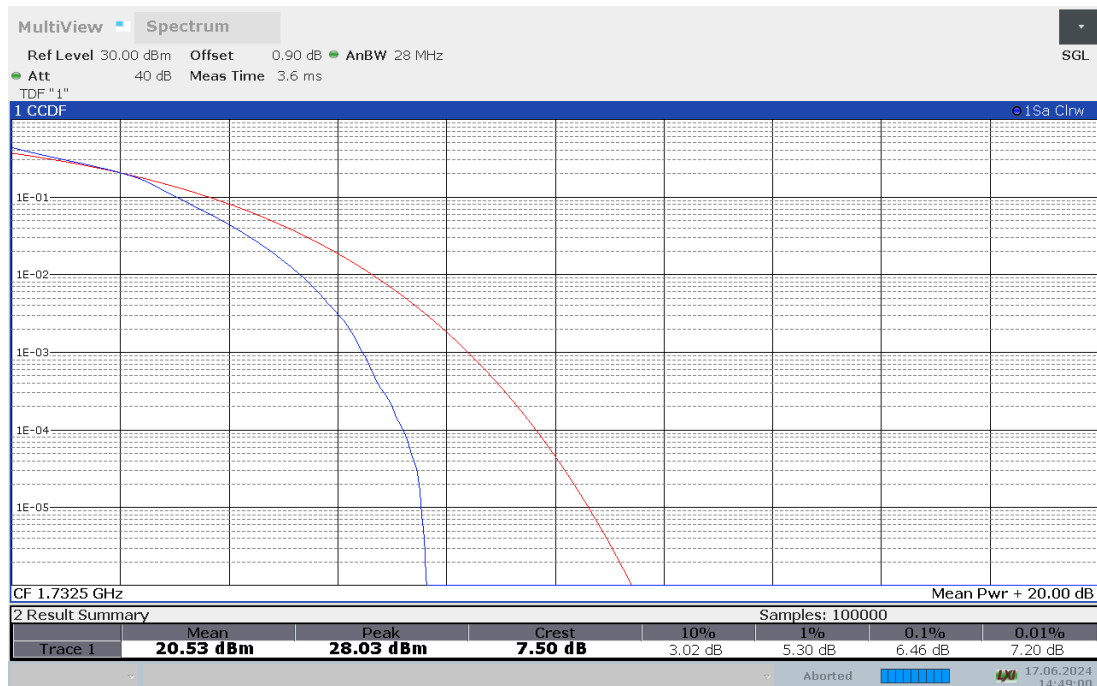
LTE Band 4, 15MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1732.5	100%,0	5.98	6.46

LTE band 4 , 15MHz Bandwidth,QPSK



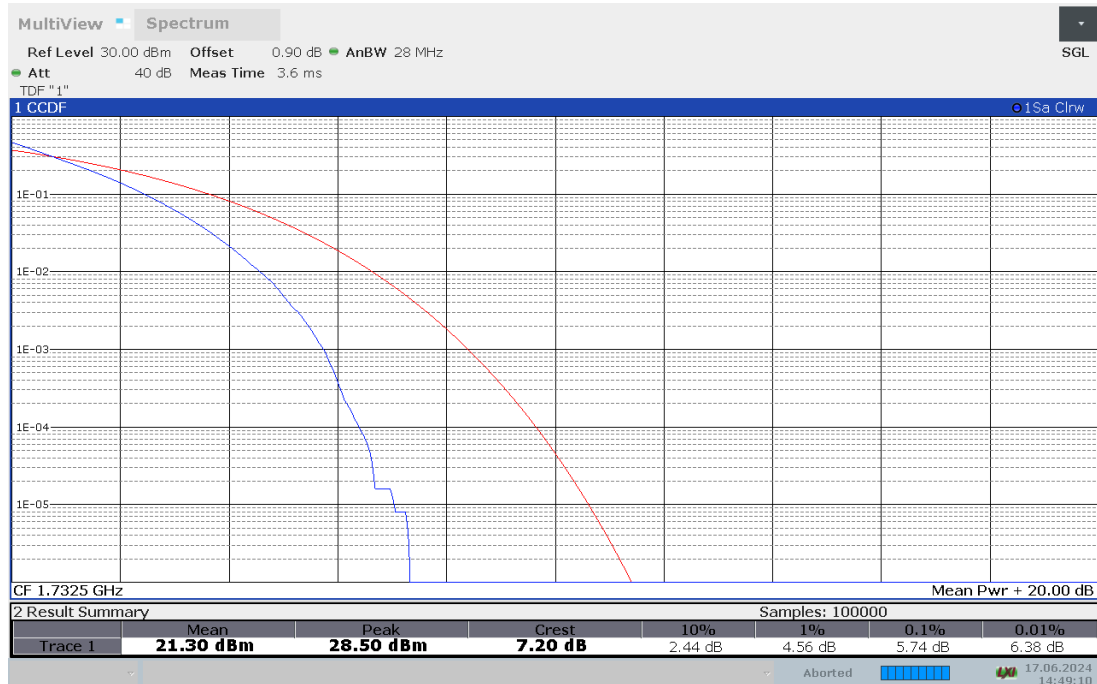
LTE band 4 , 15MHz Bandwidth,16QAM



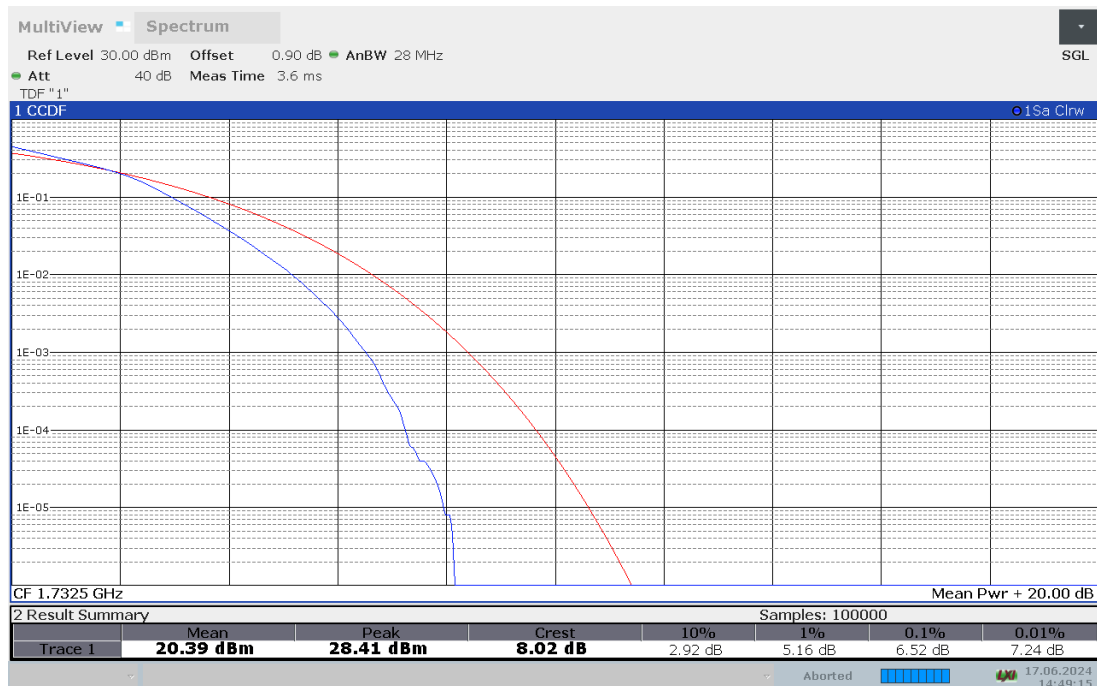
LTE Band 4, 20MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1732.5	100%,0	5.74	6.52

LTE band 4 , 20MHz Bandwidth,QPSK



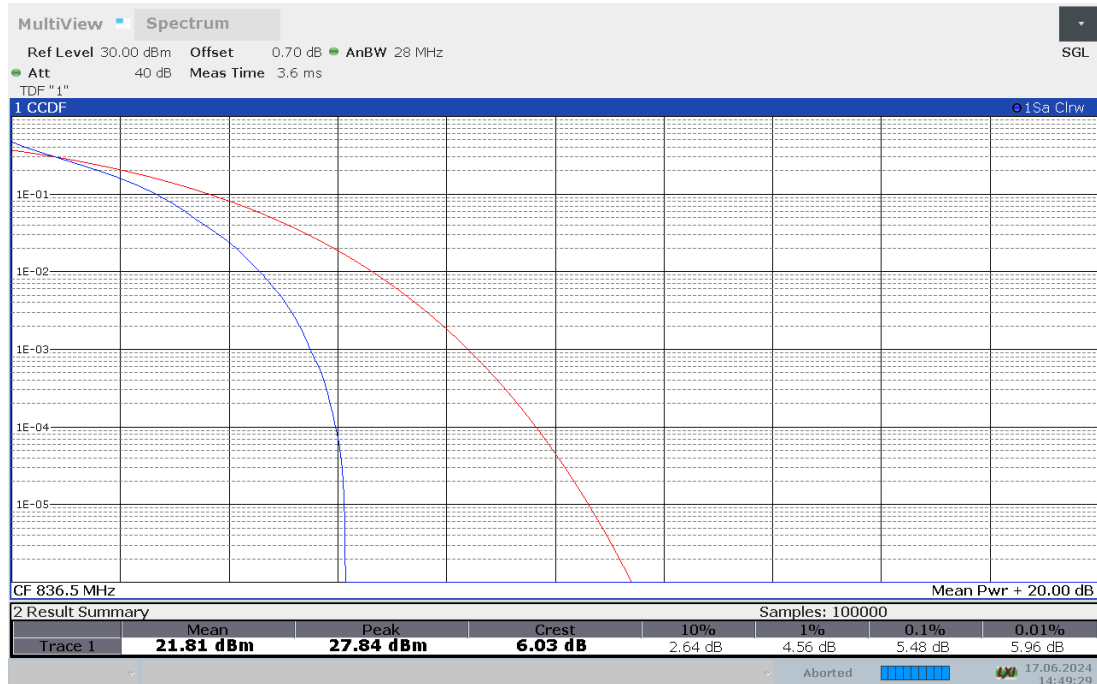
LTE band 4 , 20MHz Bandwidth,16QAM



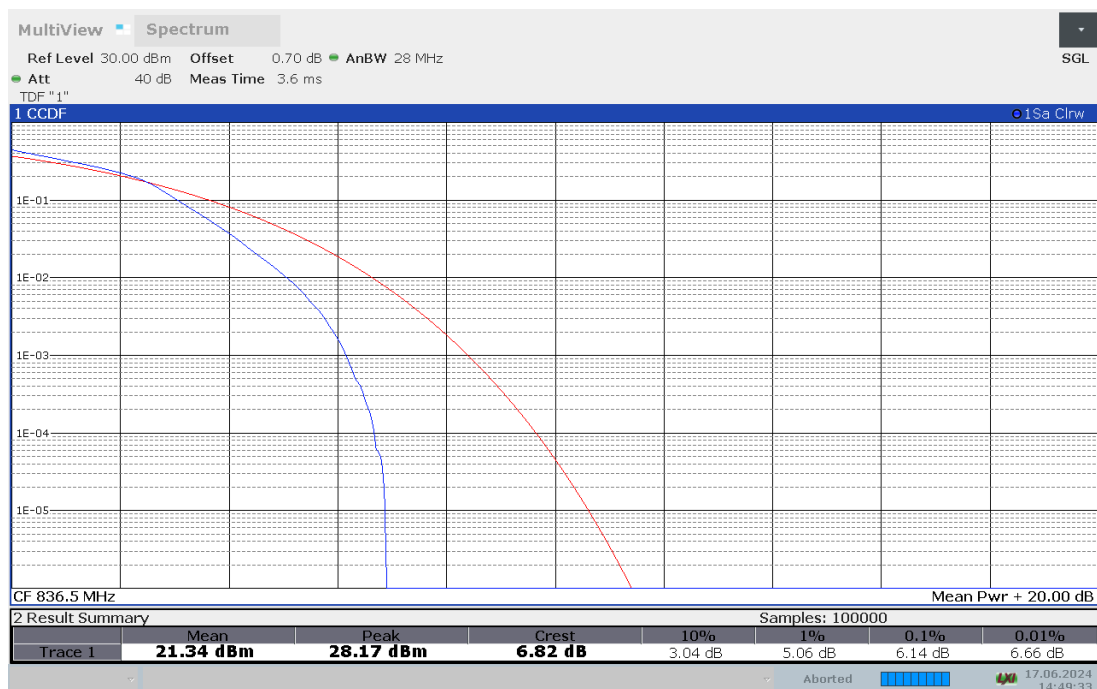
LTE Band 5, BW1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
836.5	100%,0	5.48	6.14

LTE band 5 , 1.4MHz Bandwidth,QPSK



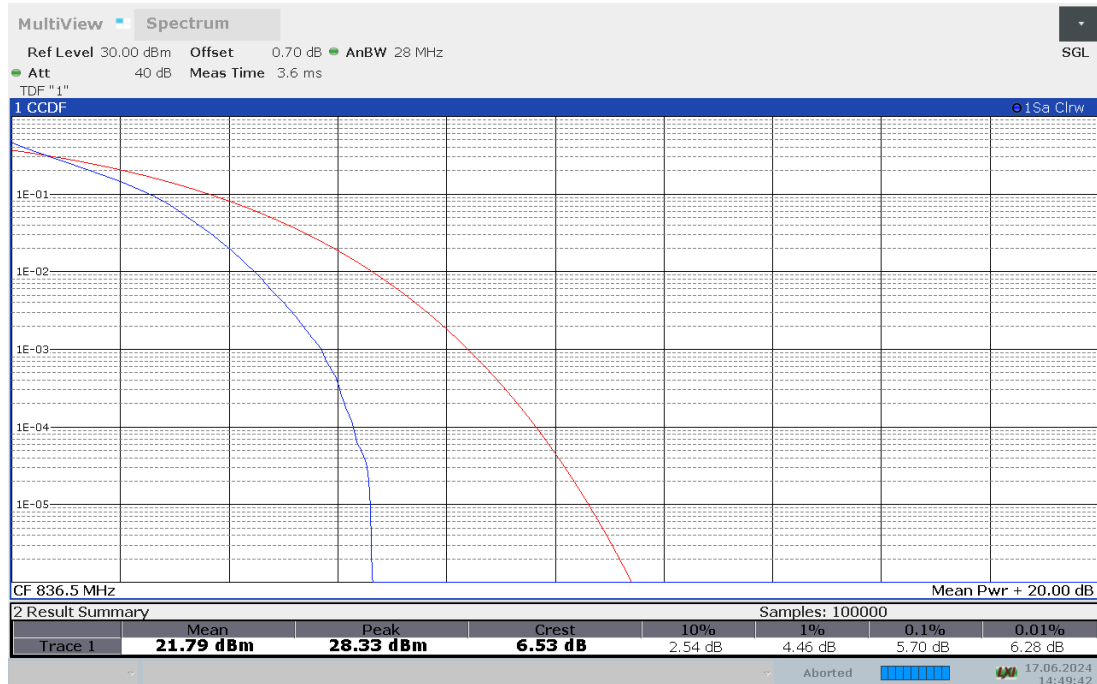
LTE band 5 , 1.4MHz Bandwidth,16QAM



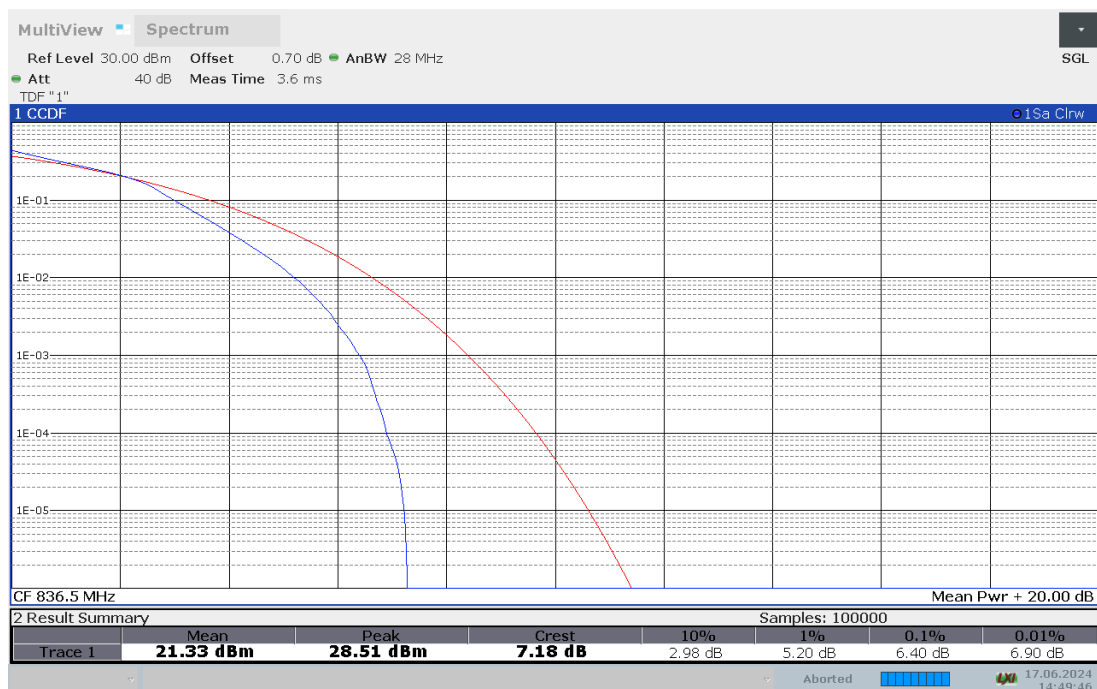
LTE Band 5, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
836.5	100%,0	5.70	6.40

LTE band 5 , 3MHz Bandwidth,QPSK



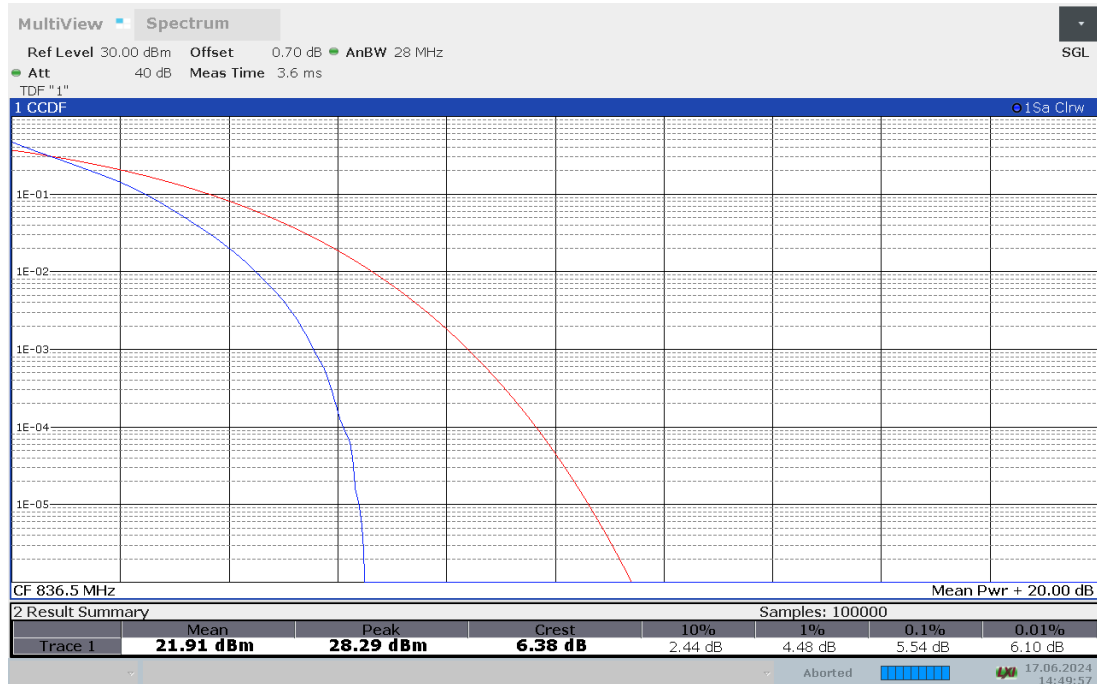
LTE band 5 , 3MHz Bandwidth,16QAM



LTE Band 5, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
836.5	100%,0	5.54	6.12

LTE band 5 , 5MHz Bandwidth,QPSK



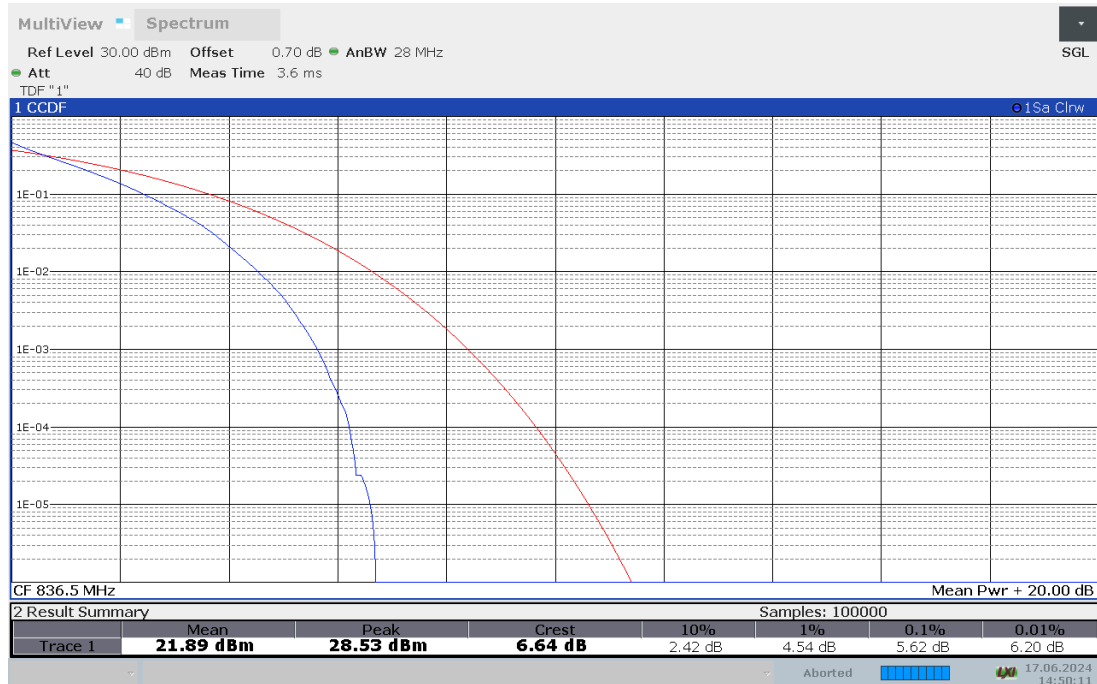
LTE band 5 , 5MHz Bandwidth,16QAM



LTE Band 5, 10MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
836.5	100%,0	5.62	6.22

LTE band 5 , 10MHz Bandwidth,QPSK



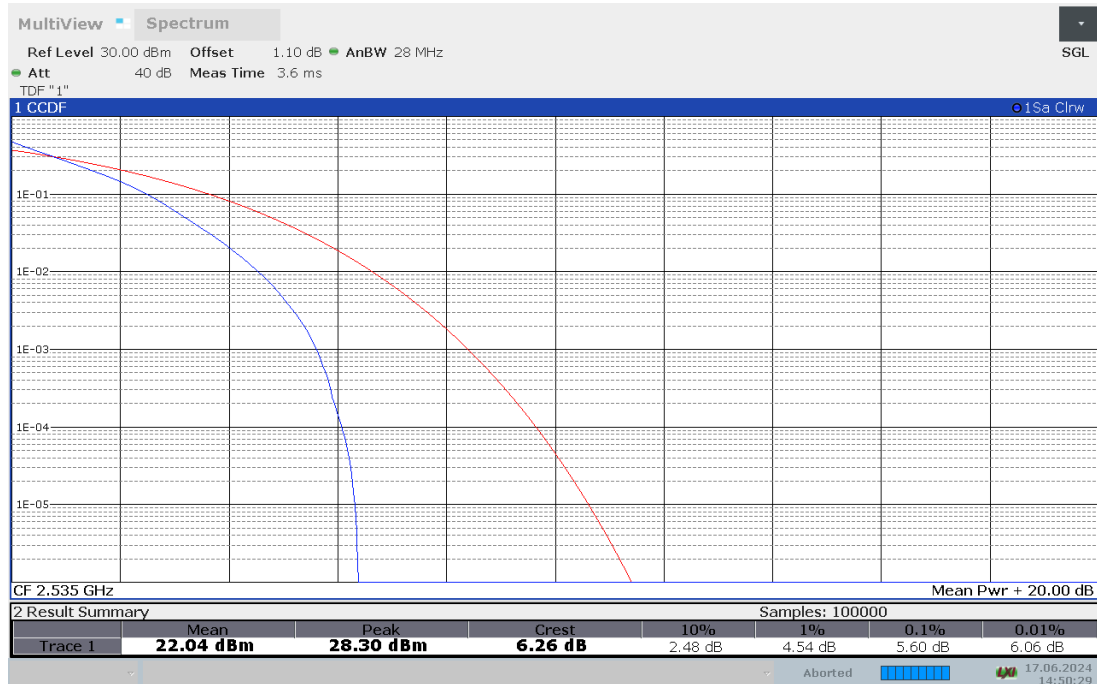
LTE band 5 , 10MHz Bandwidth,16QAM



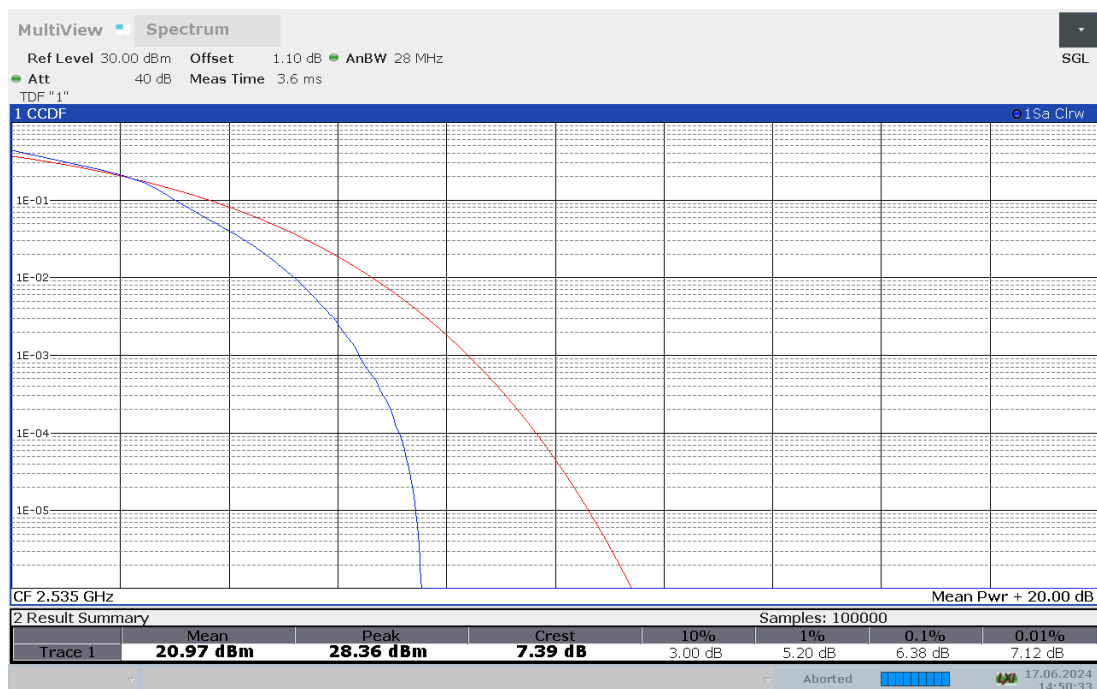
LTE Band 7, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
2535	100%,0	5.60	6.38

LTE band 7 , 5MHz Bandwidth,QPSK



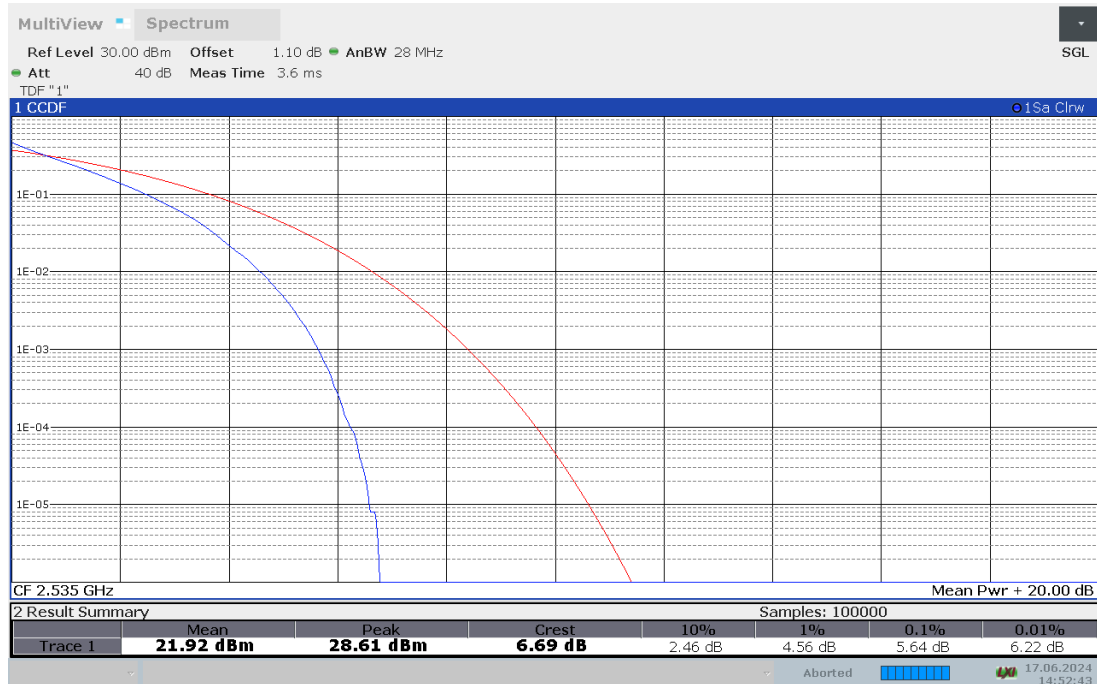
LTE band 7 , 5MHz Bandwidth,16QAM



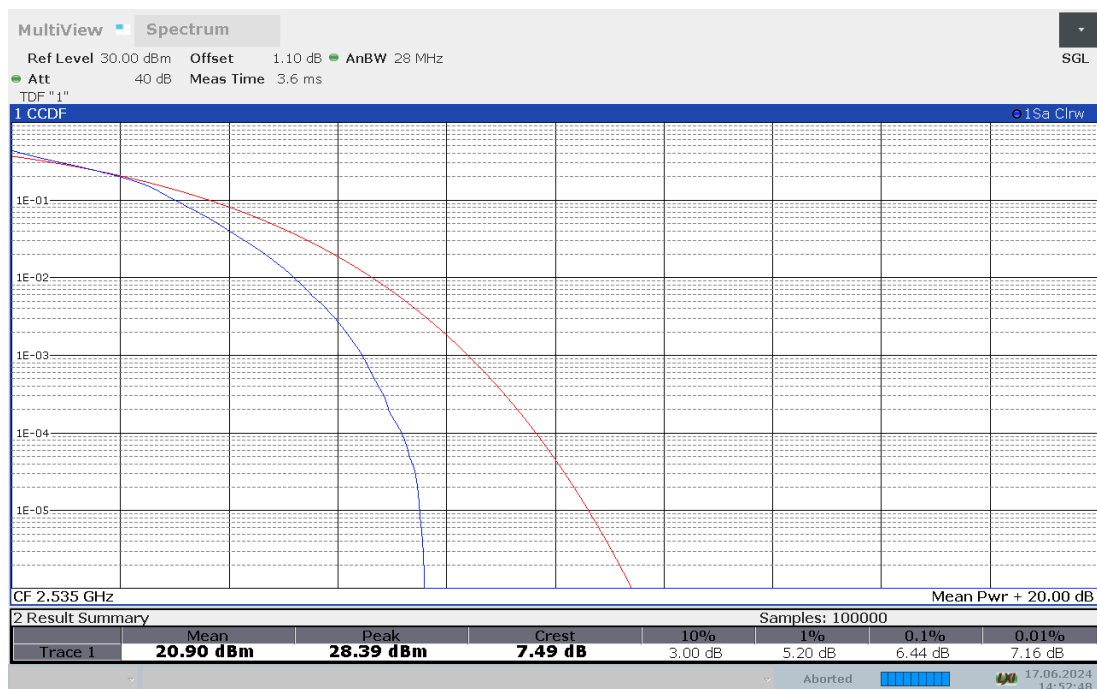
LTE Band 7, 10MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
2535	100%,0	5.64	6.44

LTE band 7 , 10MHz Bandwidth,QPSK



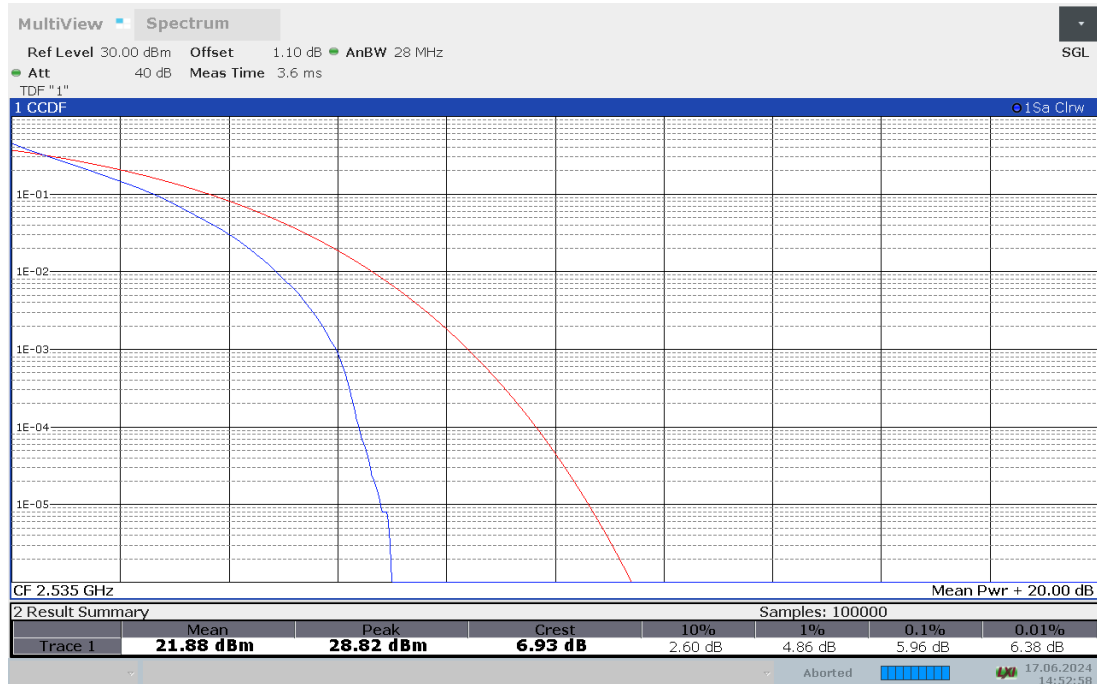
LTE band 7 , 10MHz Bandwidth,16QAM



LTE Band 7, 15MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
2535	100%,0	5.96	6.48

LTE band 7 , 15MHz Bandwidth,QPSK



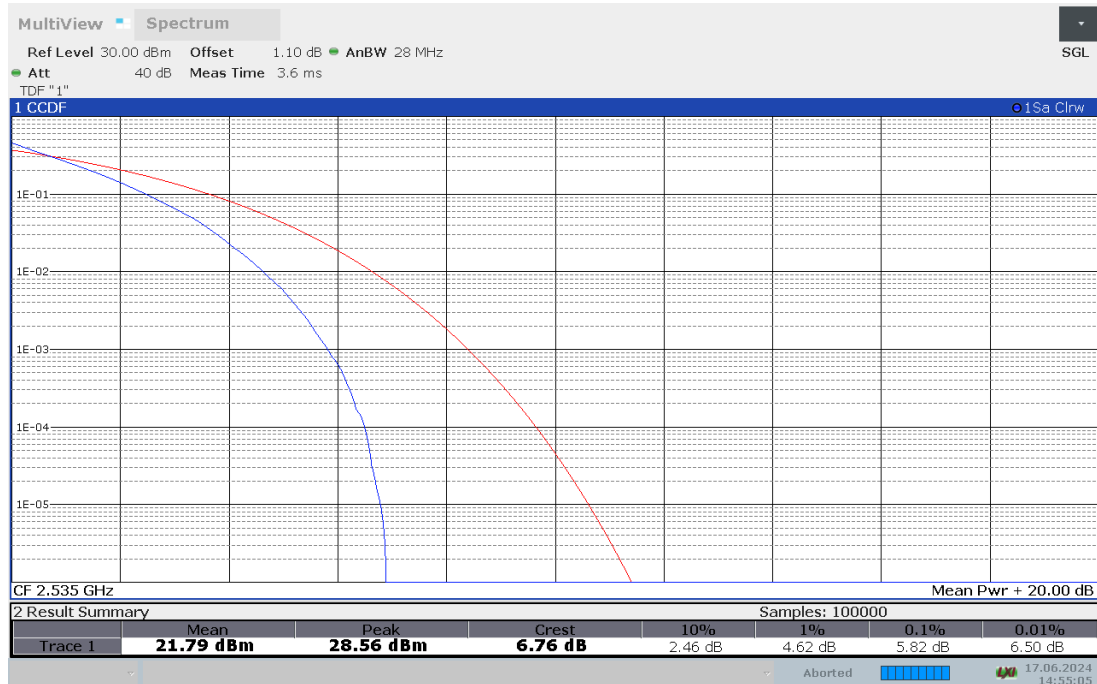
LTE band 7 , 15MHz Bandwidth,16QAM



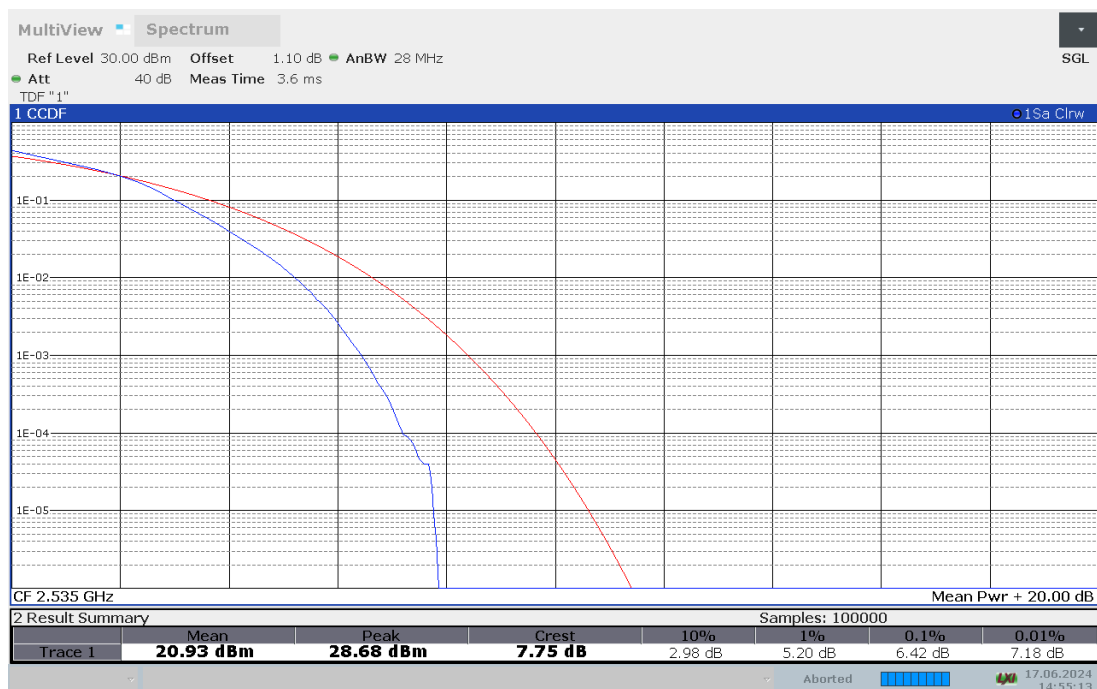
LTE Band 7, 20MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
2535	100%,0	5.82	6.42

LTE band 7 , 20MHz Bandwidth,QPSK



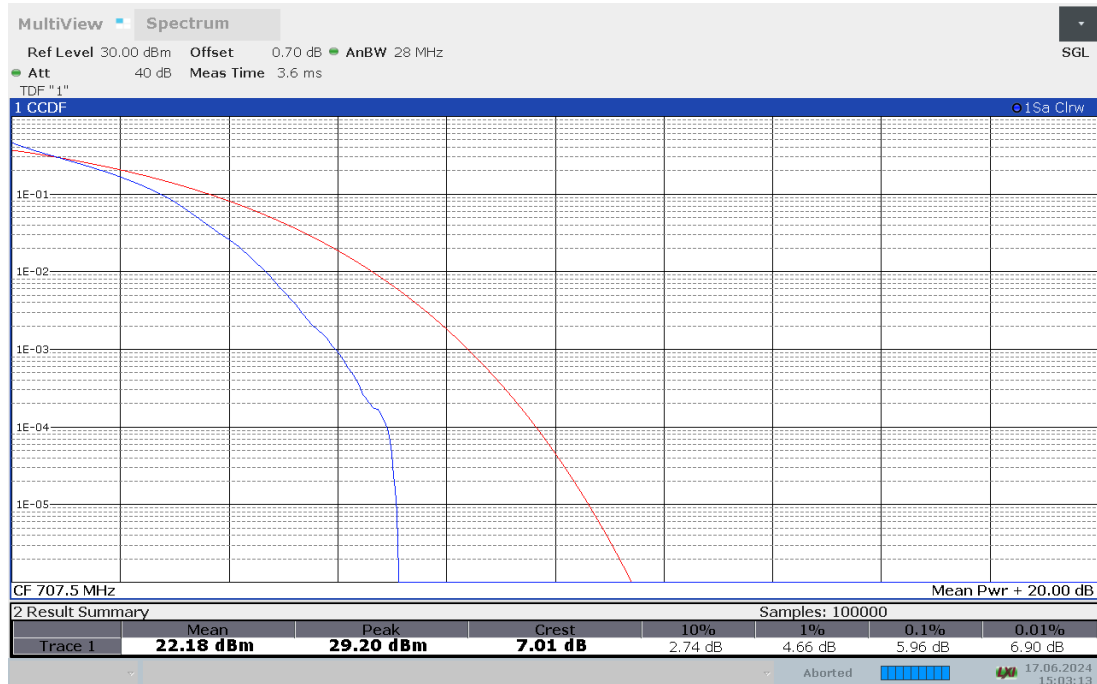
LTE band 7 , 20MHz Bandwidth,16QAM



LTE Band 12, BW1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
707.5	100%,0	5.96	6.42

LTE band 12 , 1.4MHz Bandwidth,QPSK



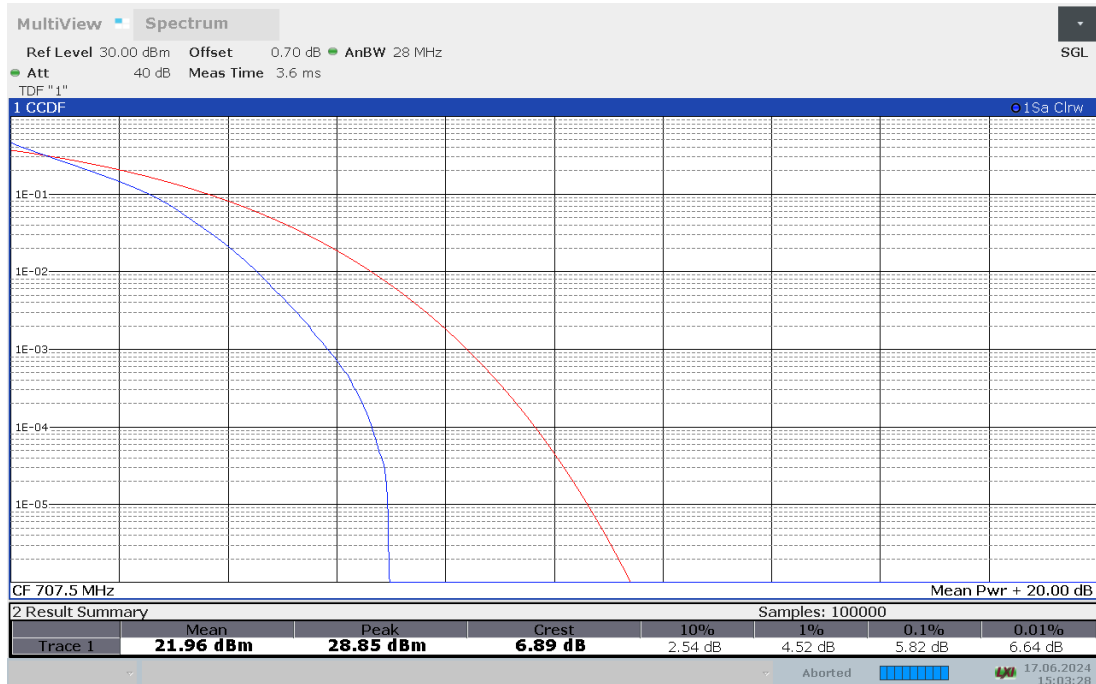
LTE band 12 , 1.4MHz Bandwidth,16QAM



LTE Band 12, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
707.5	100%,0	5.82	6.44

LTE band 12 , 3MHz Bandwidth,QPSK



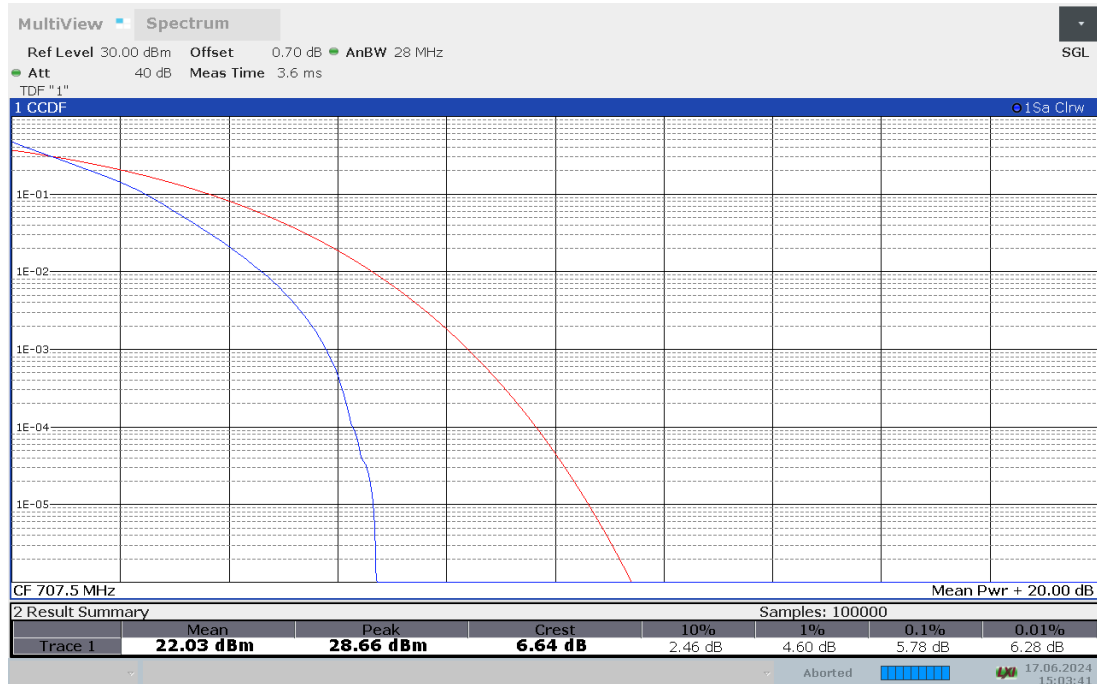
LTE band 12 , 3MHz Bandwidth,16QAM



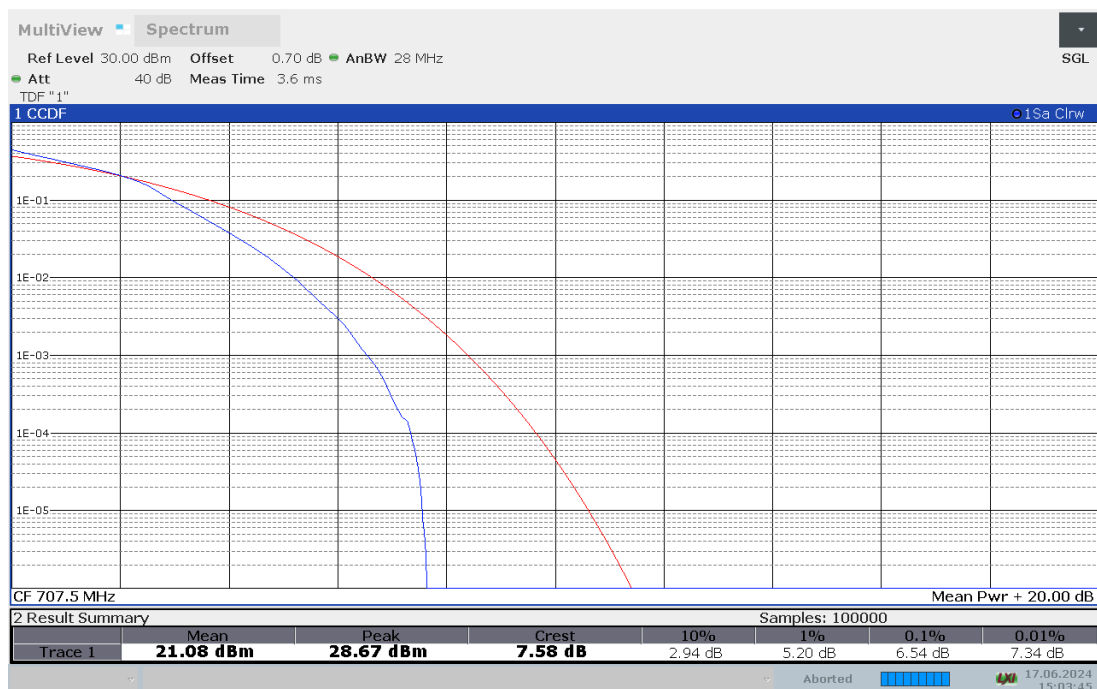
LTE Band 12, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
707.5	100%,0	5.78	6.54

LTE band 12 , 5MHz Bandwidth,QPSK



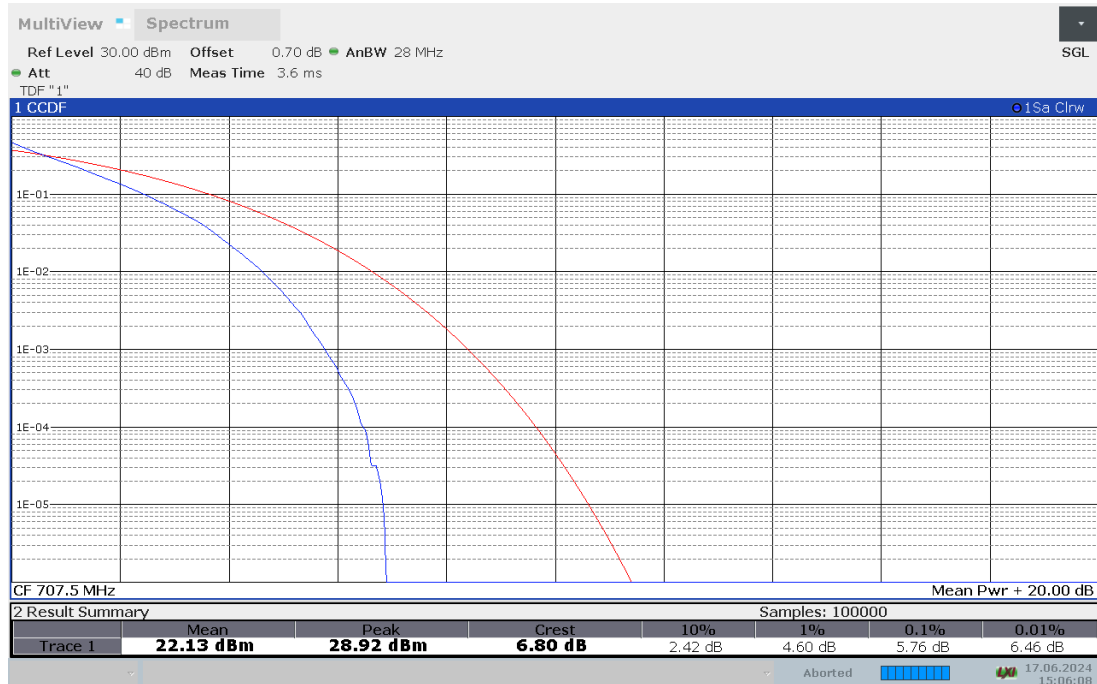
LTE band 12 , 5MHz Bandwidth,16QAM



LTE Band 12, 10MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
707.5	100%,0	5.76	6.56

LTE band 12 , 10MHz Bandwidth,QPSK



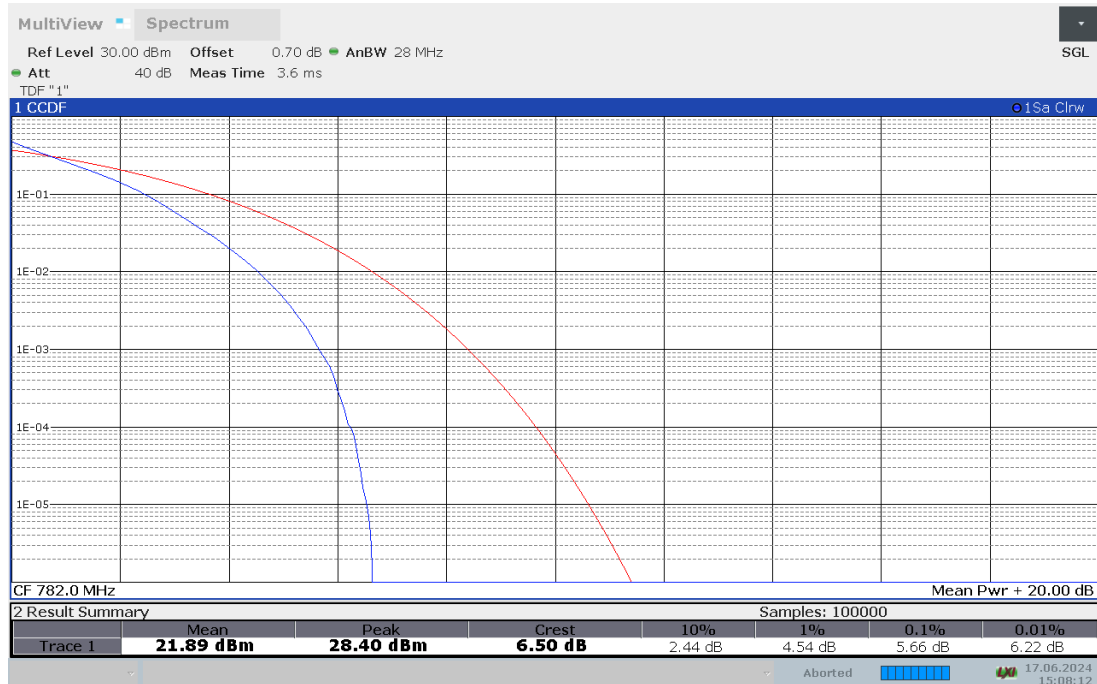
LTE band 12 , 10MHz Bandwidth,16QAM



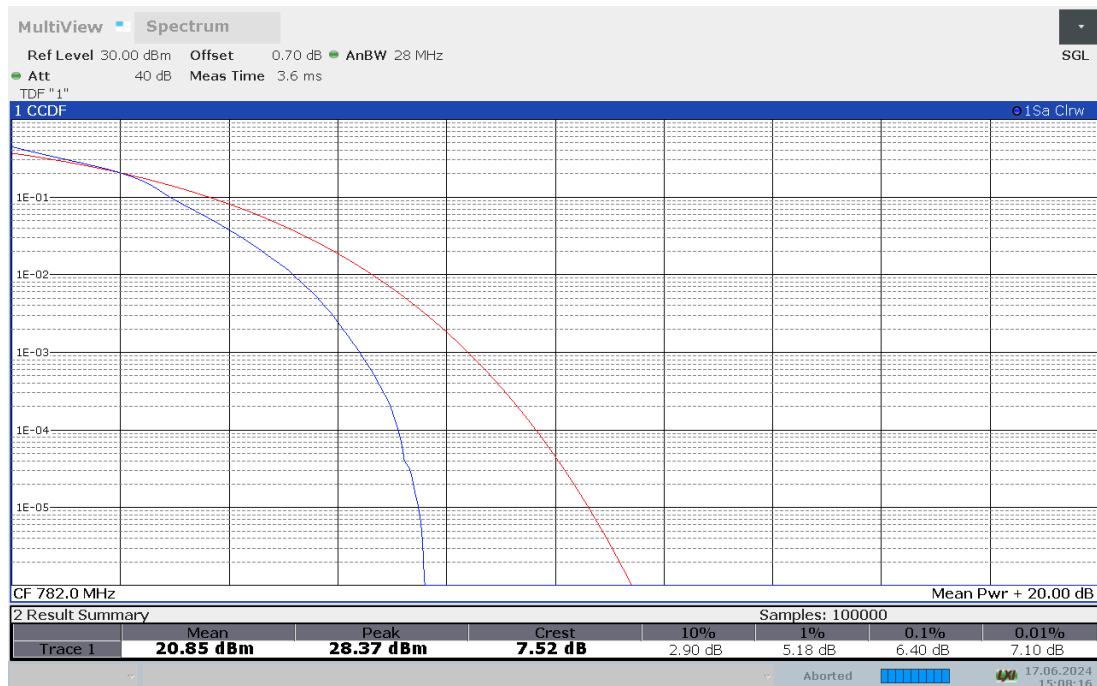
LTE Band 13, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
782	100%,0	5.66	6.40

LTE band 13 , 5MHz Bandwidth,QPSK



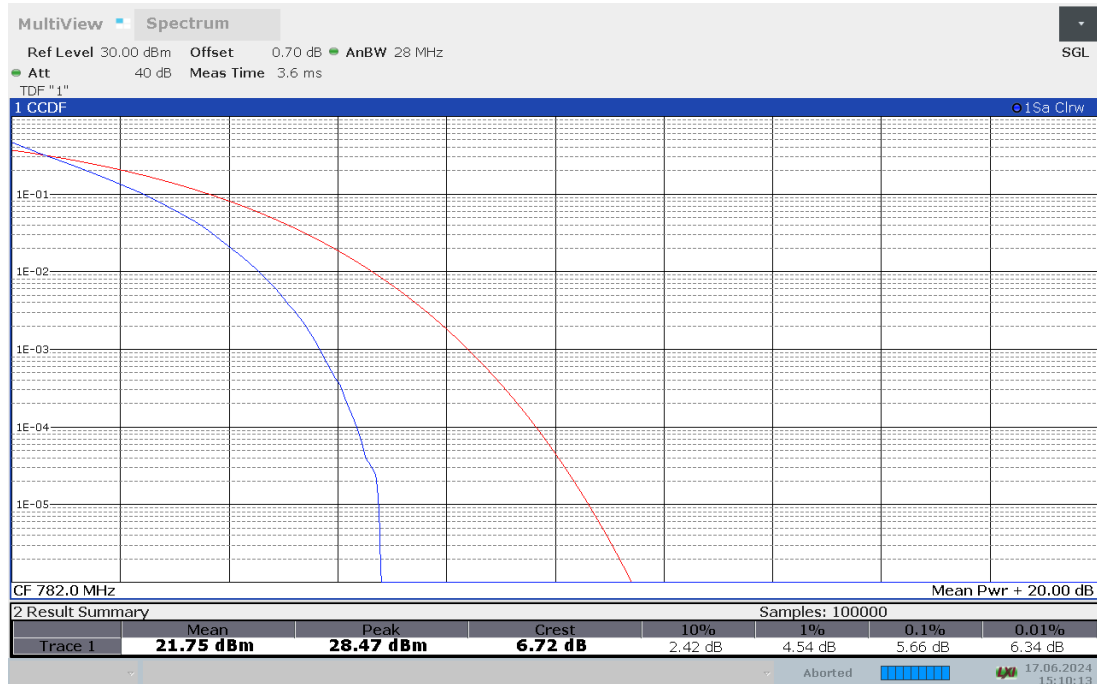
LTE band 13 , 5MHz Bandwidth,16QAM



LTE Band 13, 10MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
782	100%,0	5.66	6.44

LTE band 13 , 10MHz Bandwidth,QPSK



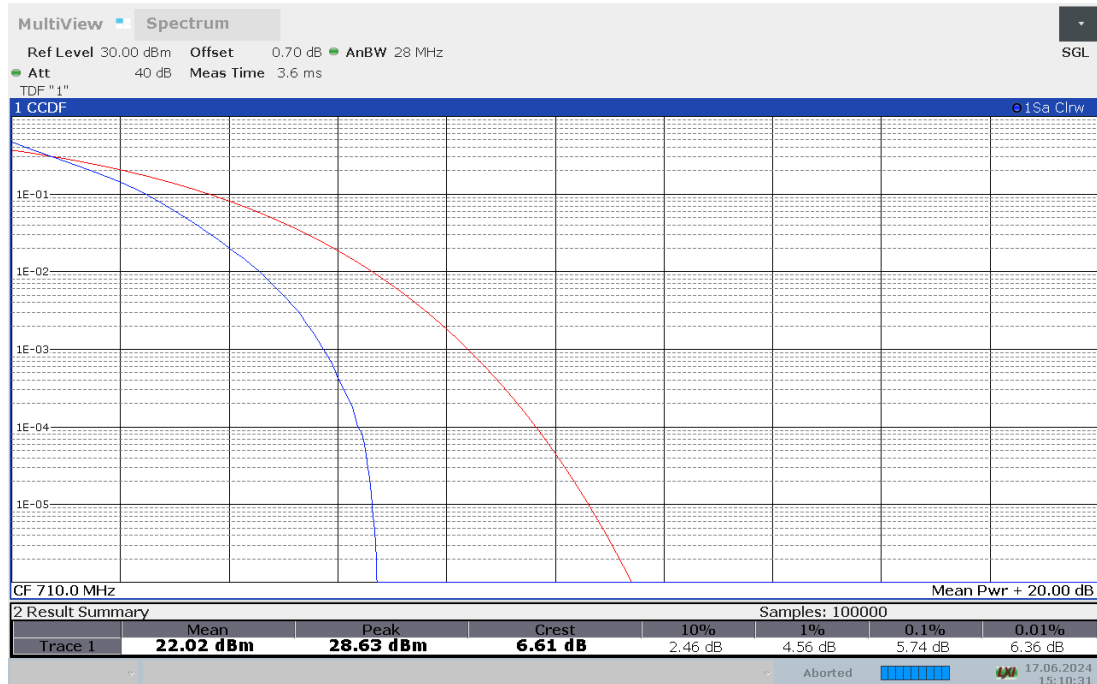
LTE band 13 , 10MHz Bandwidth,16QAM



LTE Band 17, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
710	100%,0	5.74	6.36

LTE band 17 , 5MHz Bandwidth,QPSK



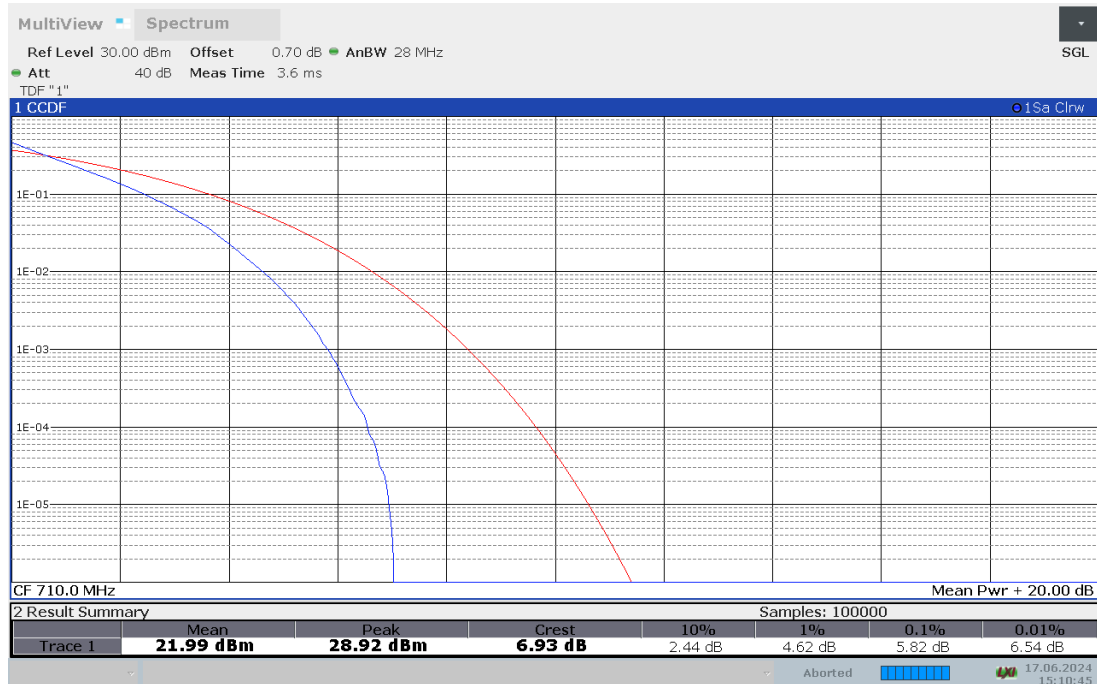
LTE band 17 , 5MHz Bandwidth,16QAM



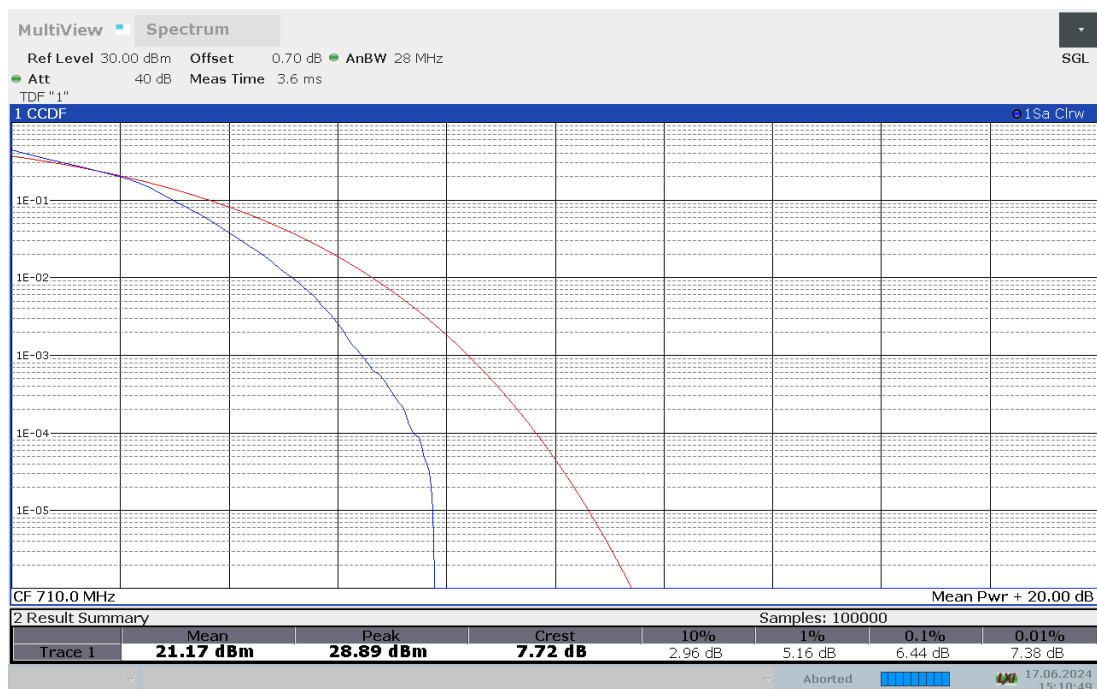
LTE Band 17, 10MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
710	100%,0	5.82	6.44

LTE band 17 , 10MHz Bandwidth,QPSK



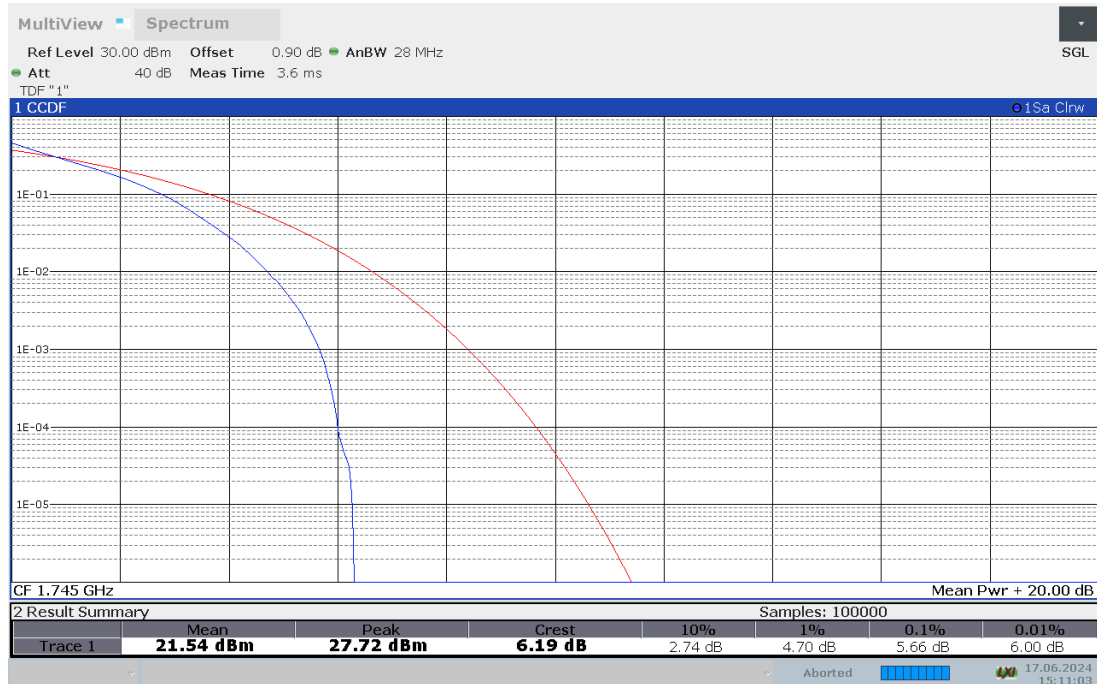
LTE band 17 , 10MHz Bandwidth,16QAM



LTE Band 66, BW1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1745	100%,0	5.66	6.42

LTE band 66 , 1.4MHz Bandwidth,QPSK



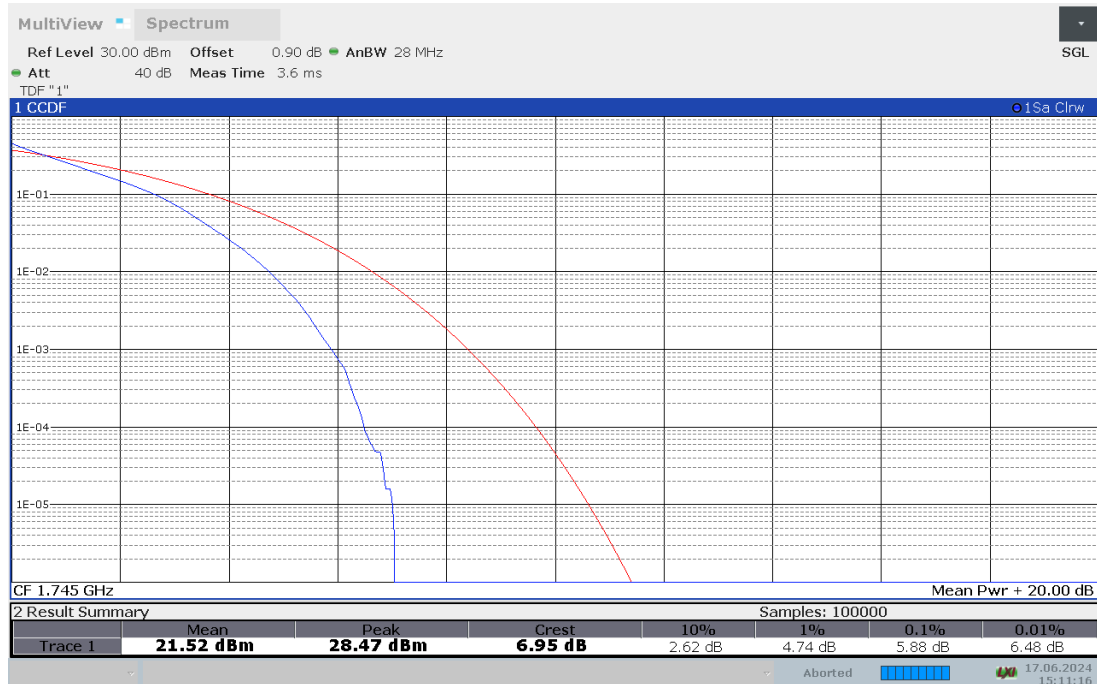
LTE band 66 , 1.4MHz Bandwidth,16QAM



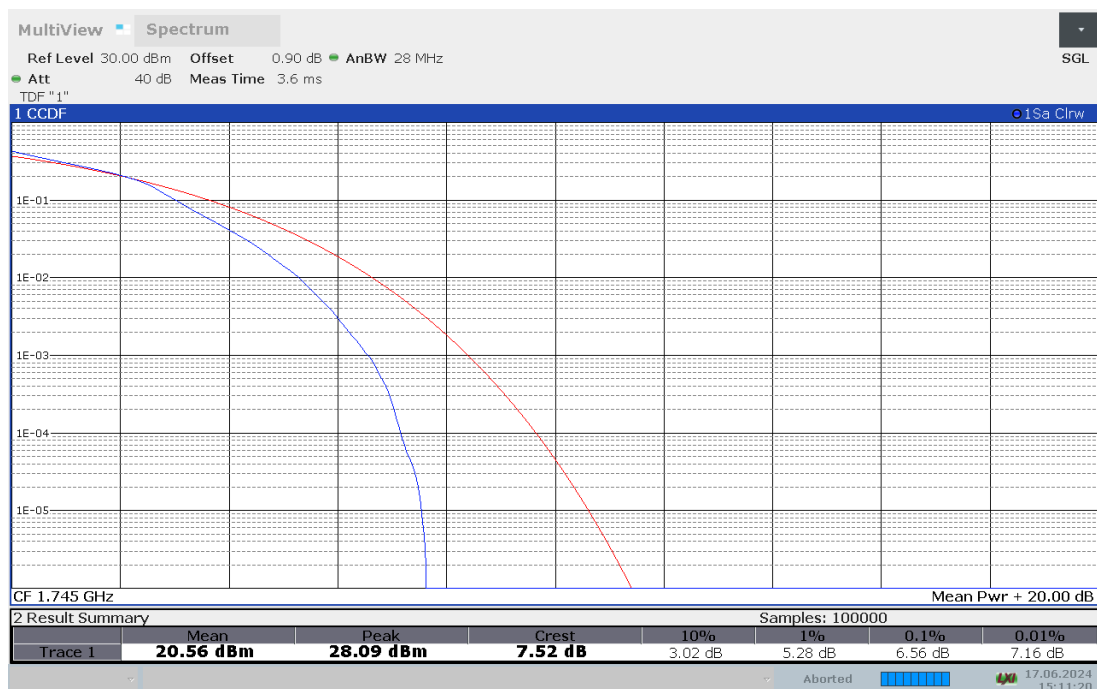
LTE Band 66, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1745	100%,0	5.88	6.56

LTE band 66 , 3MHz Bandwidth,QPSK



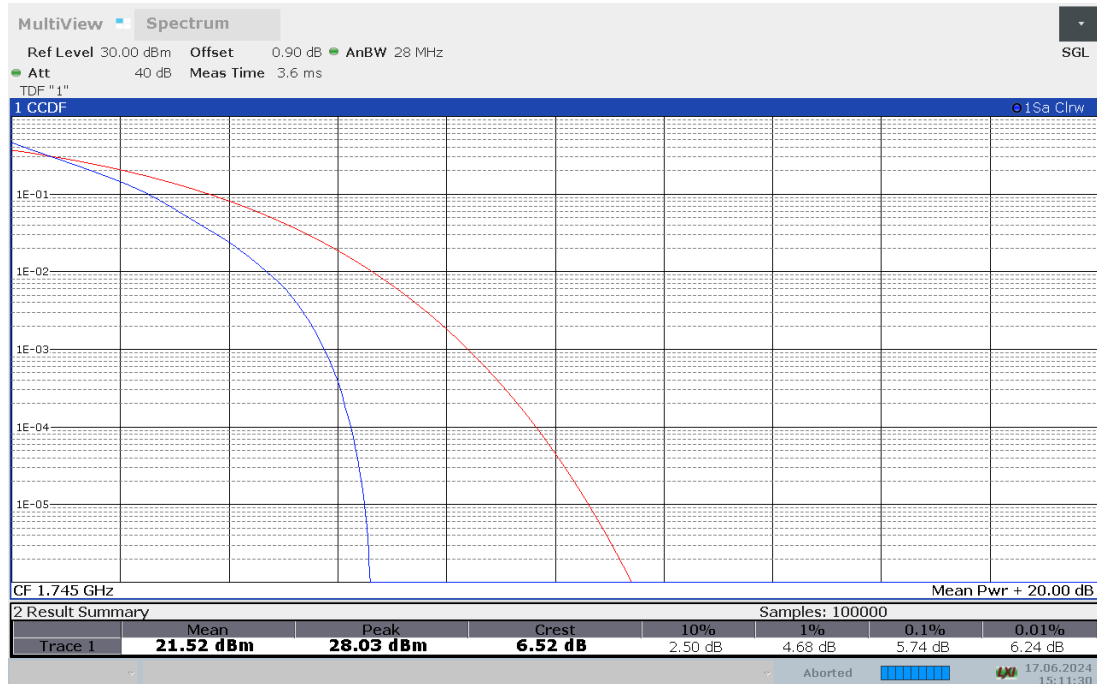
LTE band 66 , 3MHz Bandwidth,16QAM



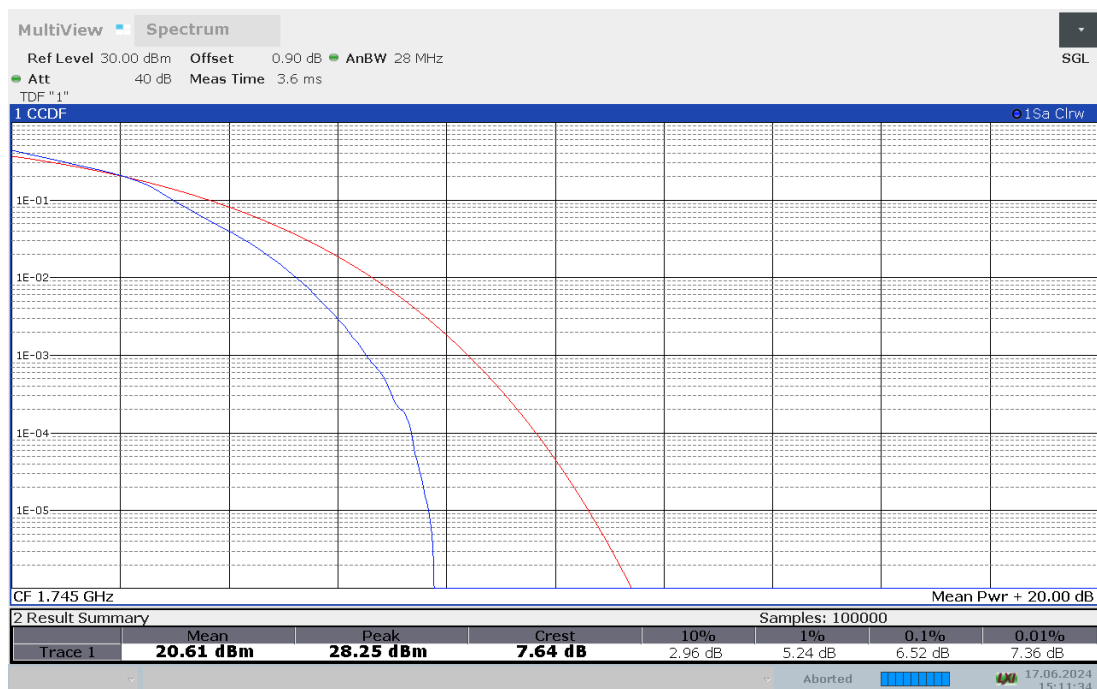
LTE Band 66, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1745	100%,0	5.74	6.52

LTE band 66 , 5MHz Bandwidth,QPSK



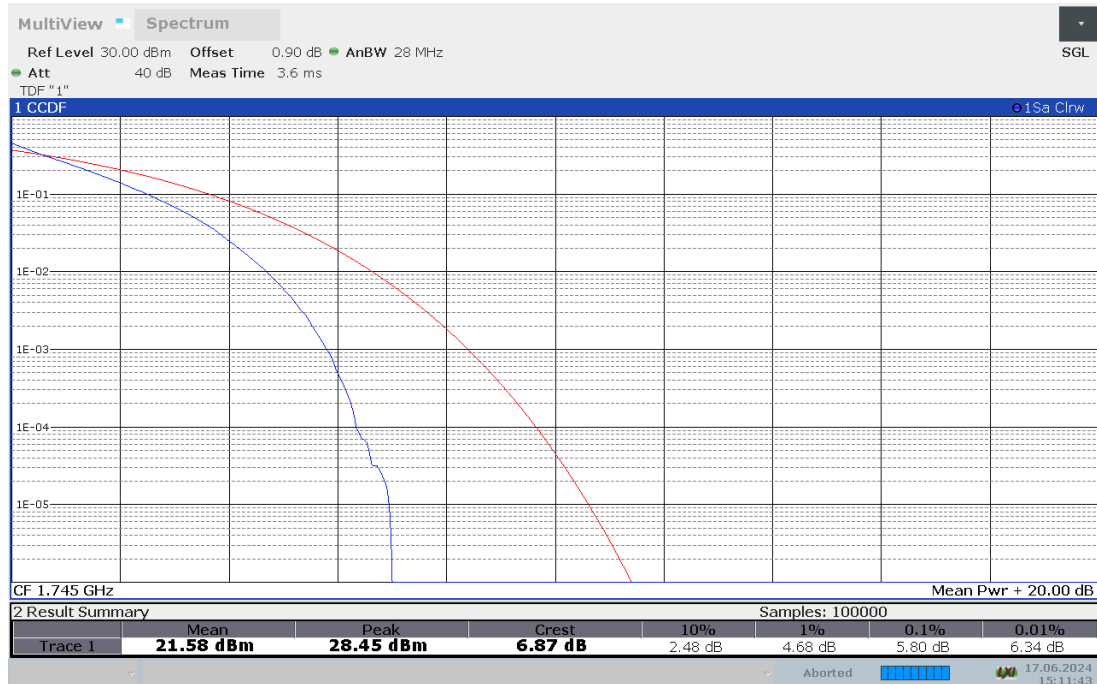
LTE band 66 , 5MHz Bandwidth,16QAM



LTE Band 66, 10MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1745	100%,0	5.80	6.52

LTE band 66 , 10MHz Bandwidth,QPSK



LTE band 66 , 10MHz Bandwidth,16QAM



LTE Band 66, 15MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1745	100%,0	6.06	6.60

LTE band 66 , 15MHz Bandwidth,QPSK



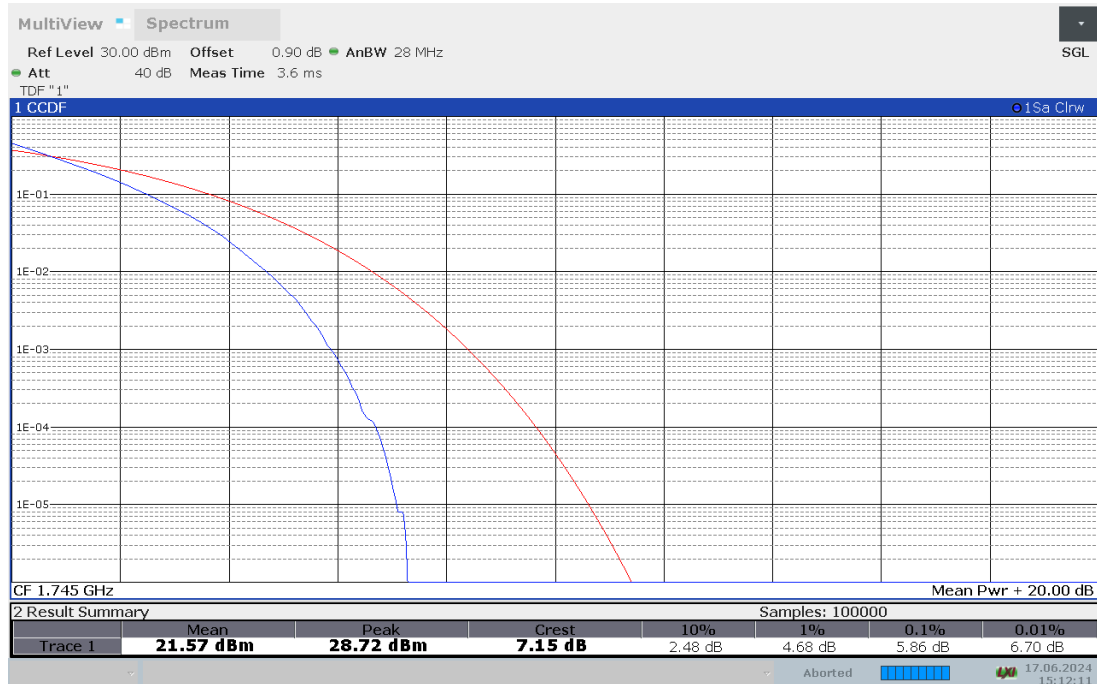
LTE band 66 , 15MHz Bandwidth,16QAM



LTE Band 66, 20MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1745	100%,0	5.86	6.64

LTE band 66 , 20MHz Bandwidth,QPSK



LTE band 66 , 20MHz Bandwidth,16QAM



Note: Expanded measurement uncertainty is $U = 0.48$, $k = 2$

ANNEX B: Accreditation Certificate

ANNEX C: Certificate of Brand Authorization*****END OF REPORT*****