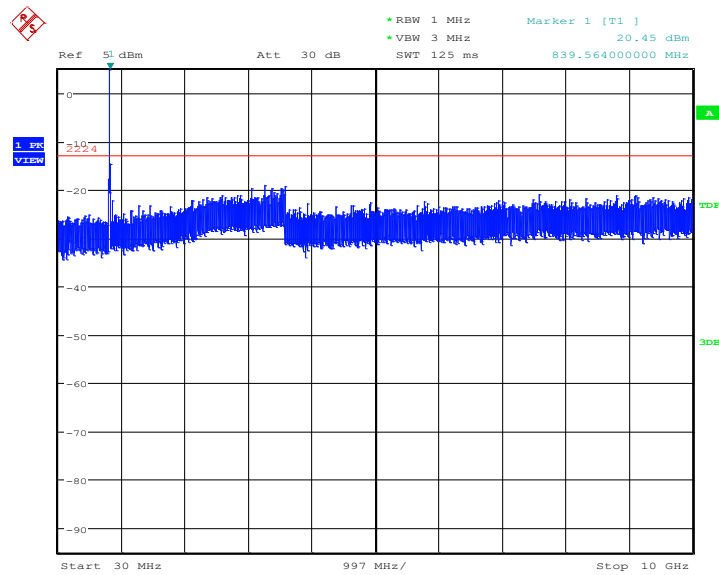


LTE band 5 : 30MHz – 10GHz

Spurious emission limit –13dBm.

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

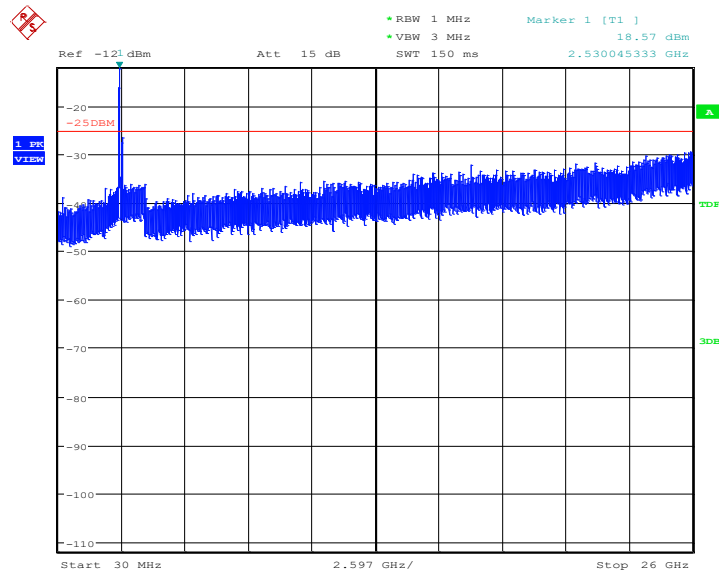


Date: 26.JUL.2021 07:17:56

LTE band 7 20MHz QPSK: 30MHz – 26GHz

Spurious emission limit –25dBm.

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

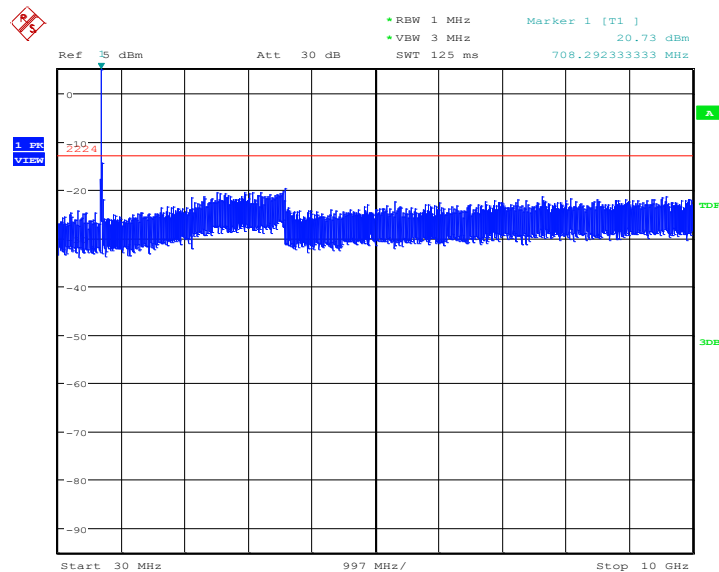


Date: 26.JUL.2021 07:16:02

LTE band 12: 30MHz – 10GHz

Spurious emission limit -13dBm .

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

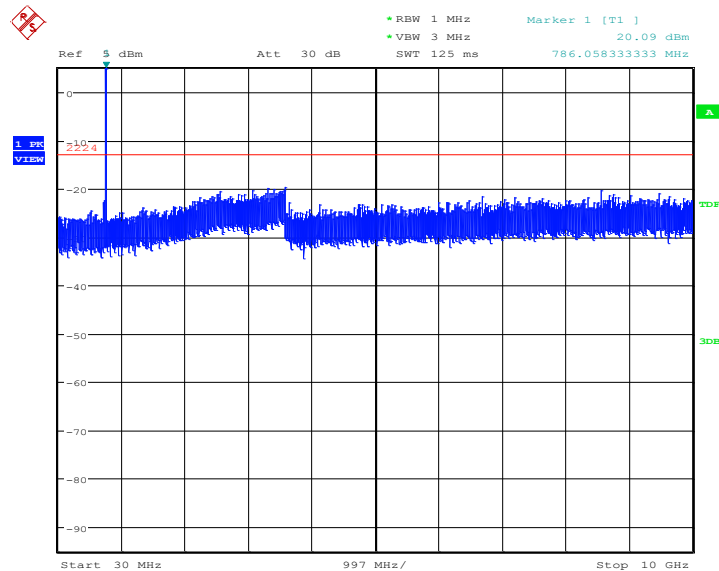


Date: 26.JUL.2021 07:22:39

LTE band 13: 30MHz – 10GHz

Spurious emission limit -13dBm.

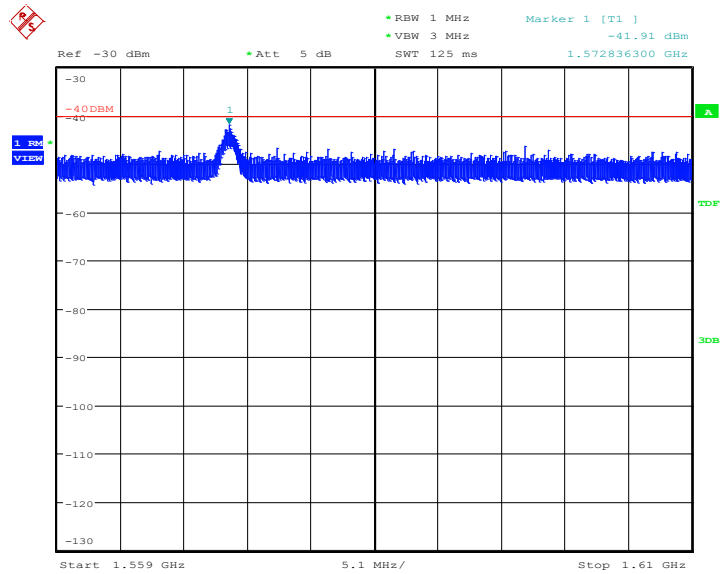
NOTE: peak above the limit line is the carrier frequency.



Date: 26.JUL.2021 07:17:00

LTE band 13: 1559MHz – 1610MHz

Spurious emission limit –40dBm.

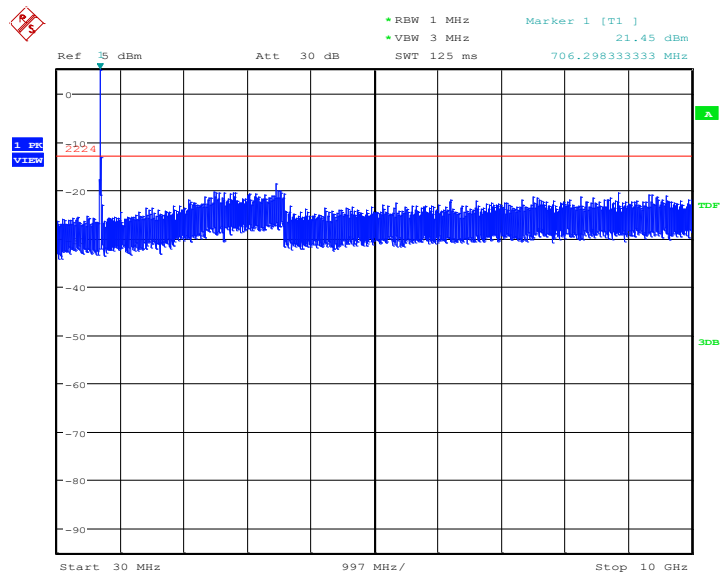


Date: 26.JUL.2021 14:23:31

LTE band 17: 30MHz – 10GHz

Spurious emission limit –13dBm.

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

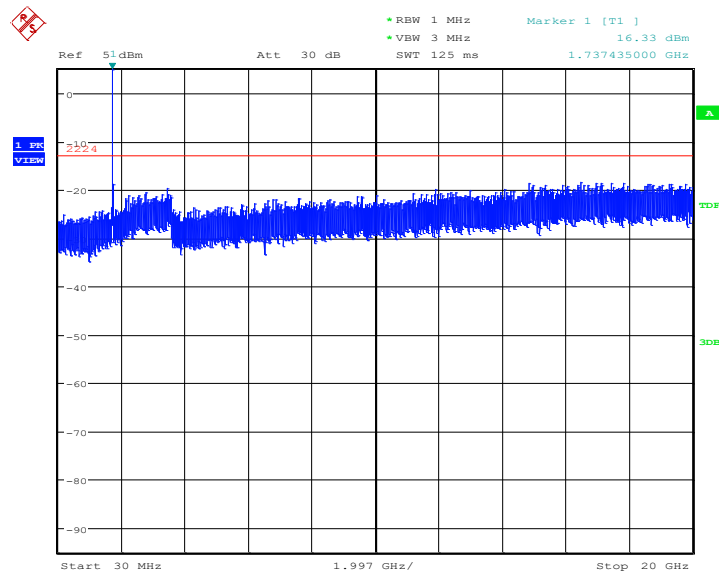


Date: 26.JUL.2021 07:23:35

LTE band 66: 30MHz – 20GHz

Spurious emission limit –13dBm.

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



Date: 26.JUL.2021 07:25:25

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}(100\text{KHz}-2\text{GHz})/1.21\text{dB}(2\text{GHz}-26.5\text{GHz})$, $k = 1.96$

A.8 PEAK-TO-AVERAGE POWER RATIO

Reference

FCC: CFR Part 24.232, 27.50(d), KDB971168 D01(5.7).

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;

b) Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;

c) Set the number of counts to a value that stabilizes the measured CCDF curve;

d) Set the measurement interval to 1 ms

e) Record the maximum PAPR level associated with a probability of 0.1%

A.8.1 Measurement limit

not exceed 13 dB

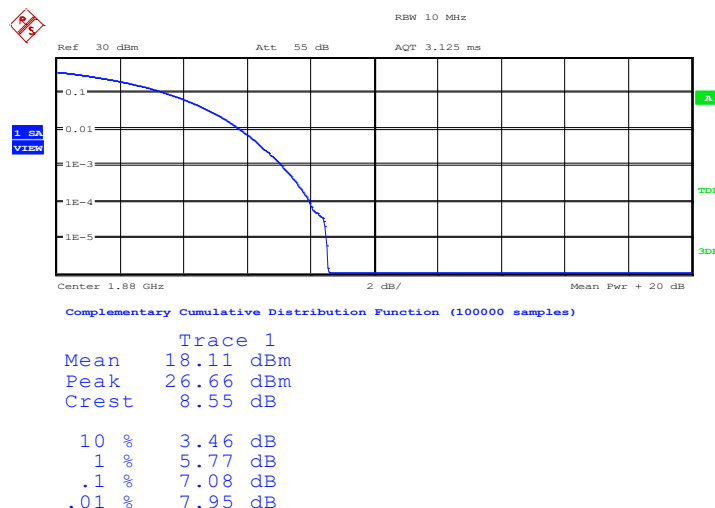
A.8.2 Measurement results

Only worst case result is given below

LTE band 2

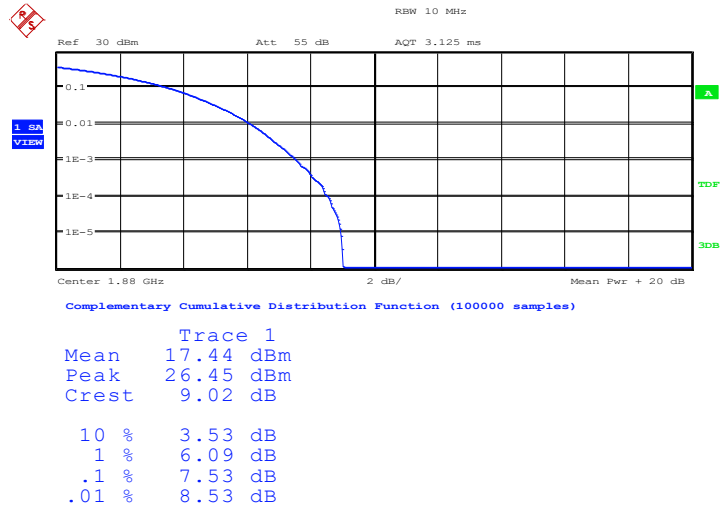
Frequency(MHz)	Bandwidth(MHz)	PAPR(dB)		
		QPSK	16QAM	64QAM
1880.0	20	7.08	7.53	7.50

LTE band 2, 20MHz Bandwidth, QPSK (PAPR)



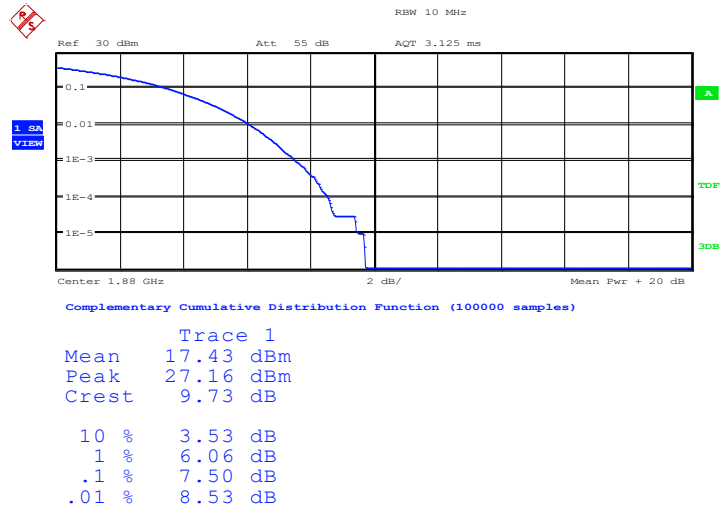
Date: 26.JUL.2021 06:54:07

LTE band 2, 20MHz Bandwidth, 16QAM (PAPR)



Date: 26.JUL.2021 06:54:13

LTE band 2, 20MHz Bandwidth, 64QAM (PAPR)

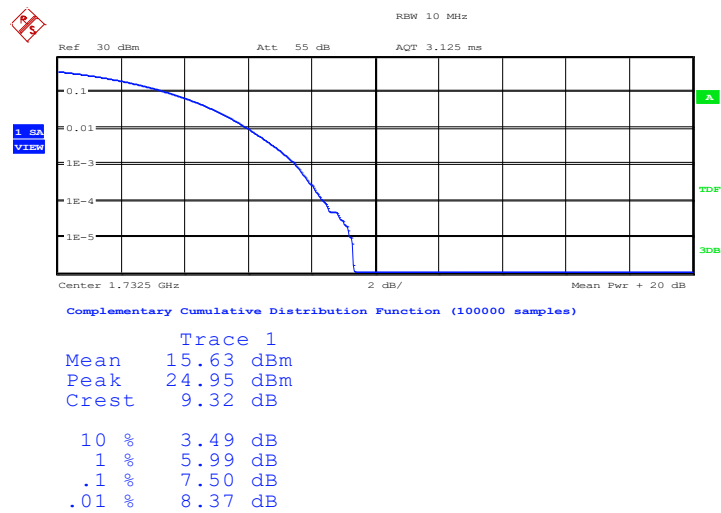


Date: 26.JUL.2021 07:07:41

LTE band 4

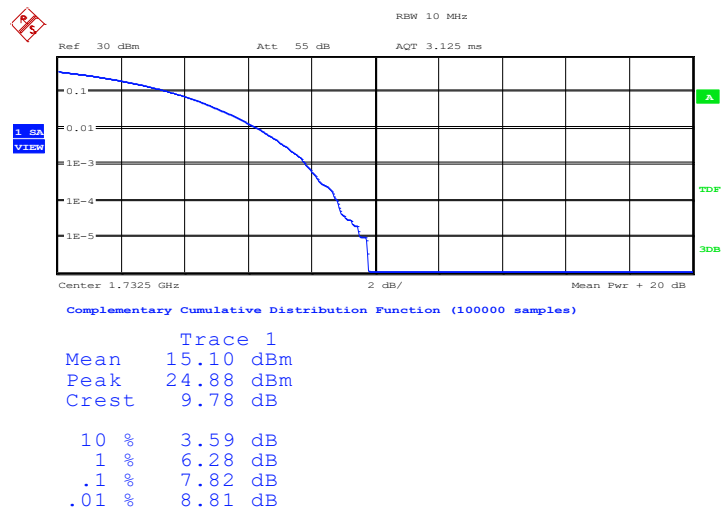
Frequency(MHz)	Bandwidth(MHz)	PAPR(dB)		
		QPSK	16QAM	64QAM
1732.5	20	7.50	7.82	7.82

LTE band 4, 20MHz Bandwidth, QPSK (PAPR)



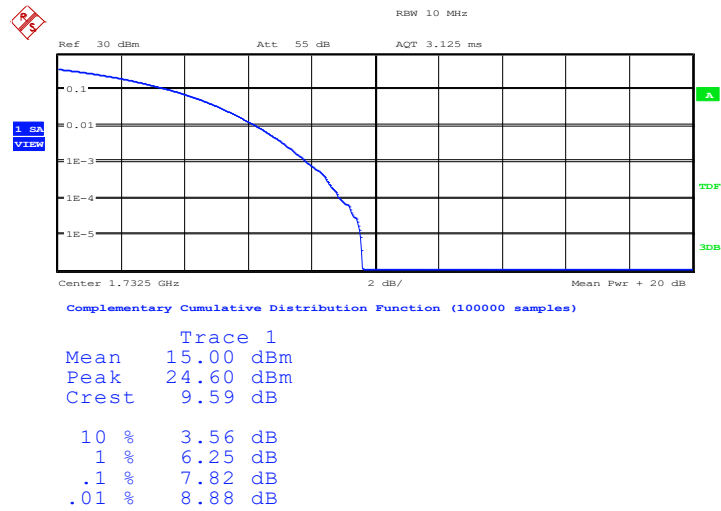
Date: 26.JUL.2021 06:55:50

LTE band 4, 20MHz Bandwidth, 16QAM (PAPR)



Date: 26.JUL.2021 06:55:56

LTE band 4, 20MHz Bandwidth, 64QAM (PAPR)

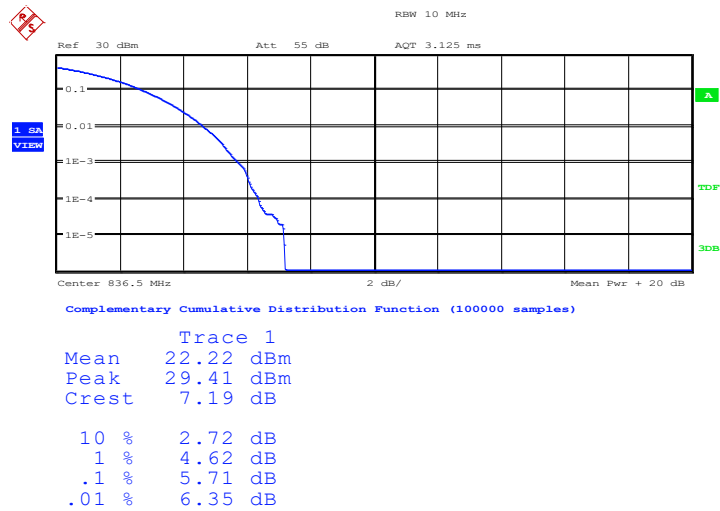


Date: 26.JUL.2021 07:09:14

LTE band 5

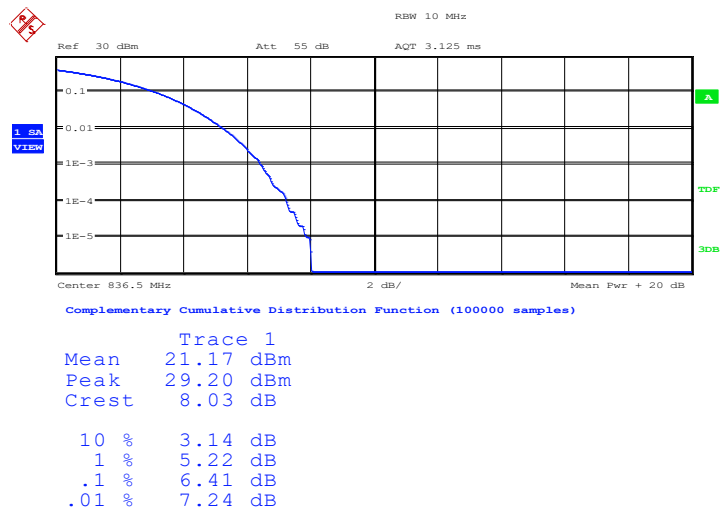
Frequency(MHz)	Bandwidth(MHz)	PAPR(dB)		
		QPSK	16QAM	64QAM
836.5	10	5.71	6.41	6.47

LTE band 5, 10MHz Bandwidth, QPSK (PAPR)



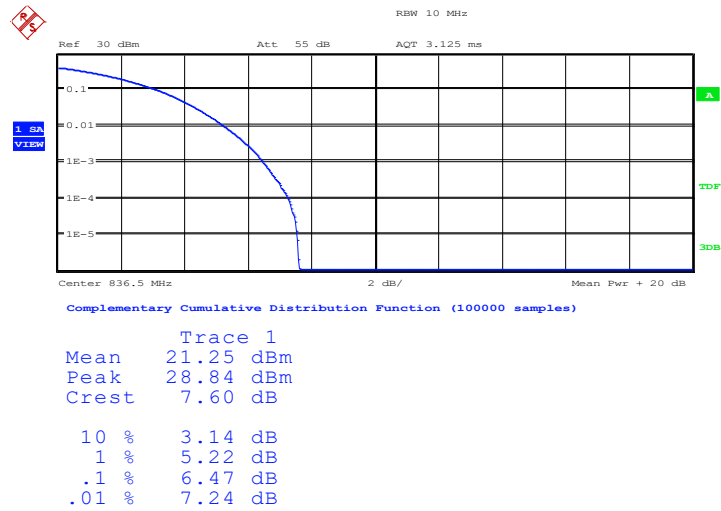
Date: 26.JUL.2021 06:52:24

LTE band 5, 10MHz Bandwidth, 16QAM (PAPR)



Date: 26.JUL.2021 06:52:30

LTE band 5, 10MHz Bandwidth, 64QAM (PAPR)

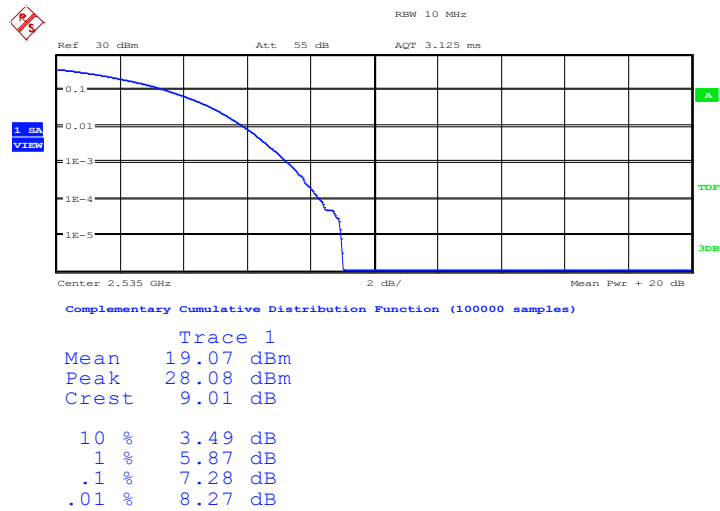


Date: 26.JUL.2021 07:06:10

LTE band 7

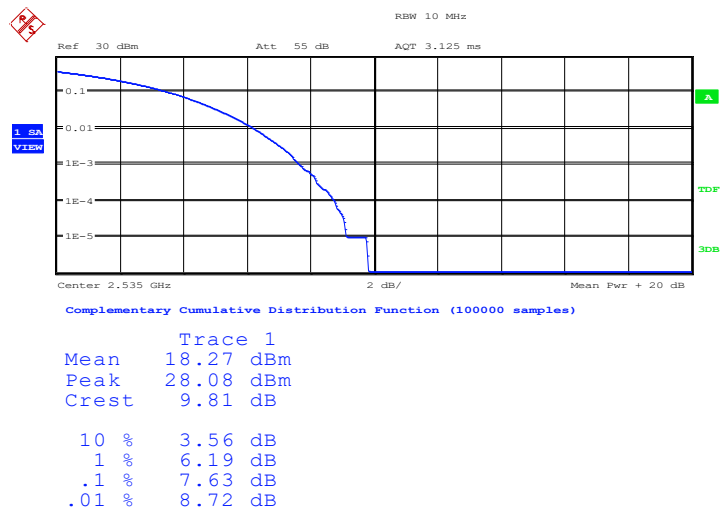
Frequency(MHz)	Bandwidth(MHz)	PAPR(dB)		
		QPSK	16QAM	64QAM
2510.0	20	7.28	7.63	7.69

LTE band 7, 20MHz Bandwidth, QPSK (PAPR)



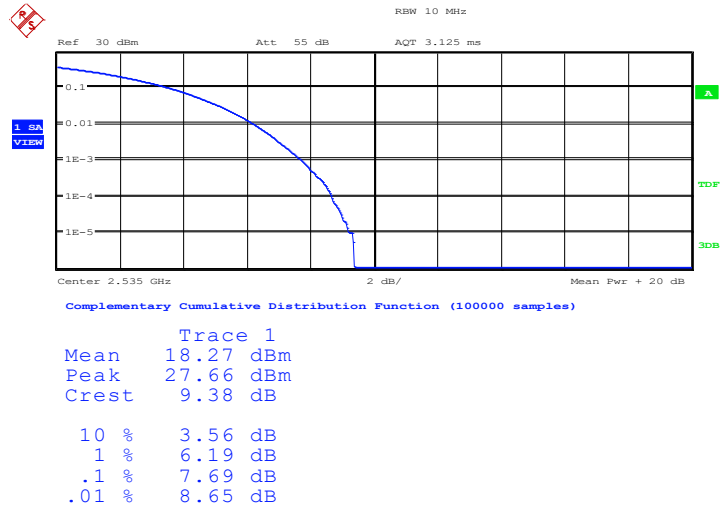
Date: 26.JUL.2021 06:50:04

LTE band 7, 20MHz Bandwidth, 16QAM (PAPR)



Date: 26.JUL.2021 06:50:10

LTE band 7, 20MHz Bandwidth, 64QAM (PAPR)

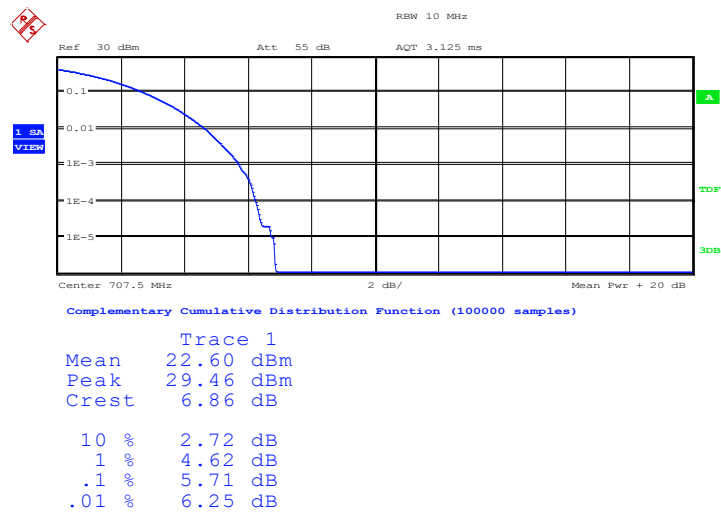


Date: 26.JUL.2021 07:04:04

LTE band 12

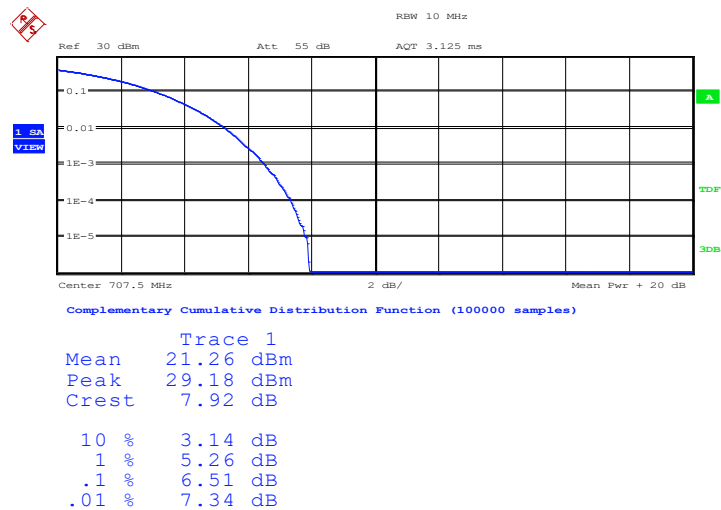
Frequency(MHz)	Bandwidth(MHz)	PAPR(dB)		
		QPSK	16QAM	64QAM
707.5	10	5.71	6.51	6.44

LTE band 12, 10MHz Bandwidth, QPSK (PAPR)



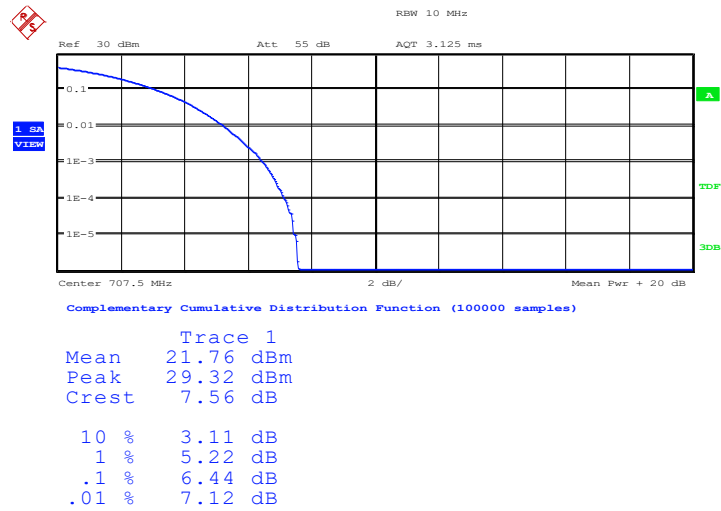
Date: 26.JUL.2021 06:56:45

LTE band 12, 10MHz Bandwidth, 16QAM (PAPR)



Date: 26.JUL.2021 06:56:51

LTE band 12, 10MHz Bandwidth, 64QAM (PAPR)

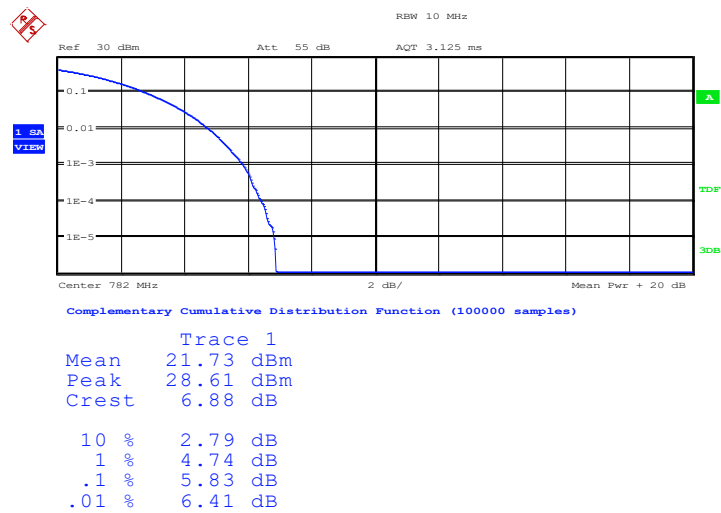


Date: 26.JUL.2021 07:10:03

LTE band 13

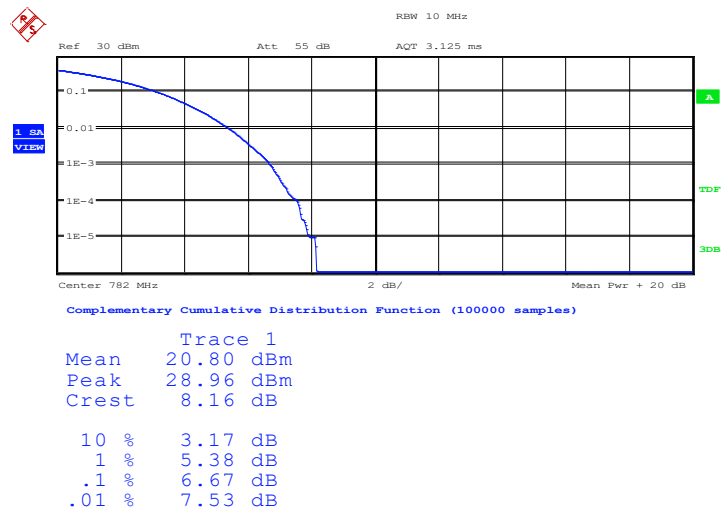
Frequency(MHz)	Bandwidth(MHz)	PAPR(dB)		
		QPSK	16QAM	64QAM
782.0	10	5.83	6.67	6.54

LTE band 13, 10MHz Bandwidth, QPSK (PAPR)



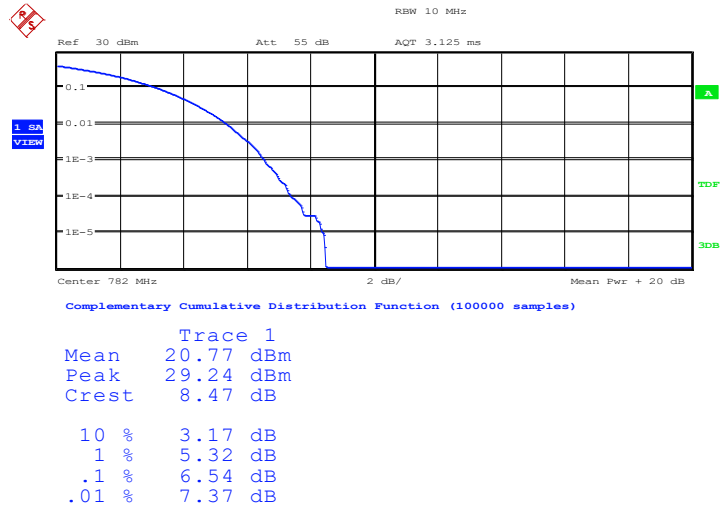
Date: 26.JUL.2021 06:50:59

LTE band 13, 10MHz Bandwidth, 16QAM (PAPR)



Date: 26.JUL.2021 06:51:05

LTE band 13, 10MHz Bandwidth, 64QAM (PAPR)

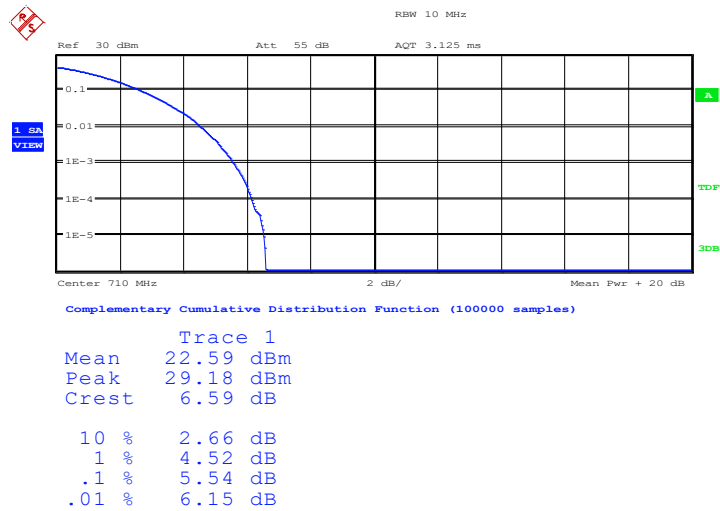


Date: 26.JUL.2021 07:04:51

LTE band 17

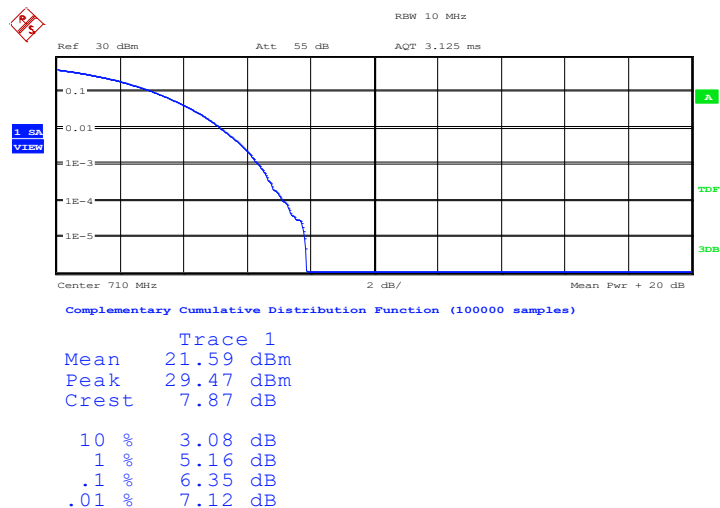
Frequency(MHz)	Bandwidth(MHz)	PAPR(dB)		
		QPSK	16QAM	64QAM
710.0	10	5.54	6.35	6.41

LTE band 17, 10MHz Bandwidth, QPSK (PAPR)



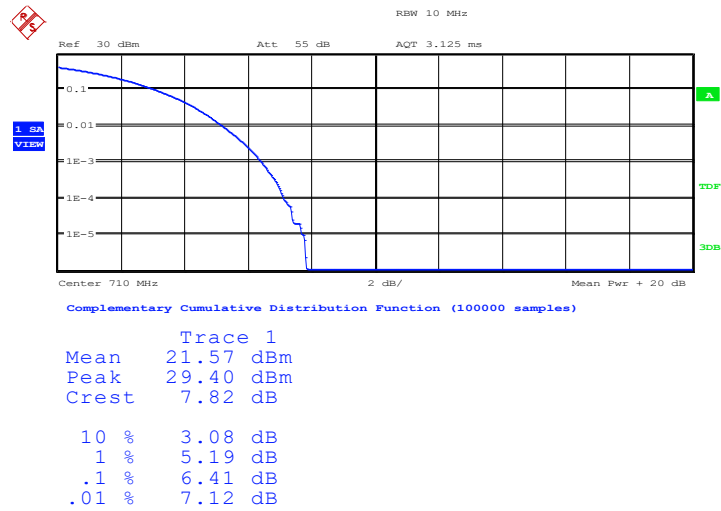
Date: 26.JUL.2021 06:57:39

LTE band 17, 10MHz Bandwidth, 16QAM (PAPR)



Date: 26.JUL.2021 06:57:45

LTE band 17, 10MHz Bandwidth, 64QAM (PAPR)

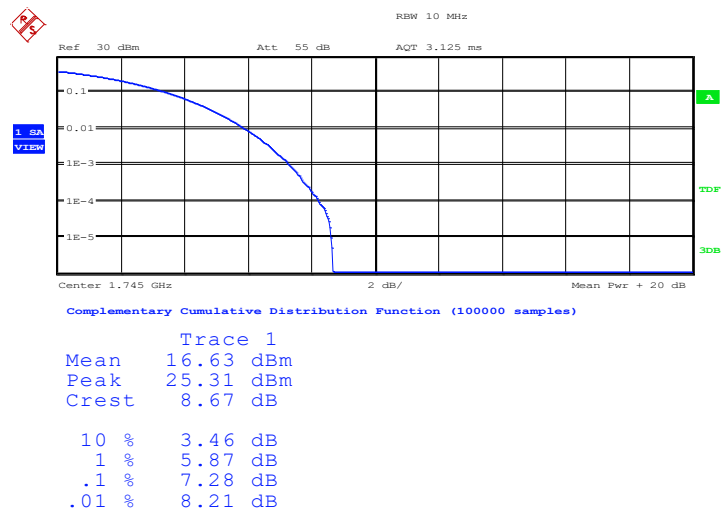


Date: 26.JUL.2021 07:10:51

LTE band 66

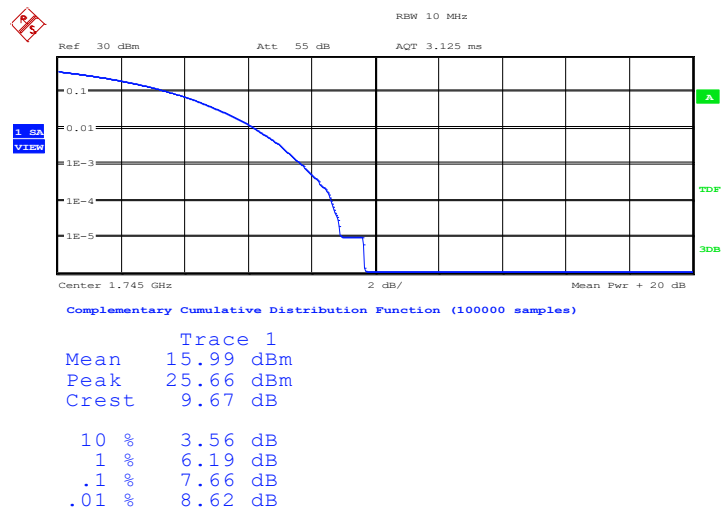
Frequency(MHz)	Bandwidth(MHz)	PAPR(dB)		
		QPSK	16QAM	64QAM
1745.0	20	7.28	7.66	7.69

LTE band 66, 20MHz Bandwidth, QPSK (PAPR)



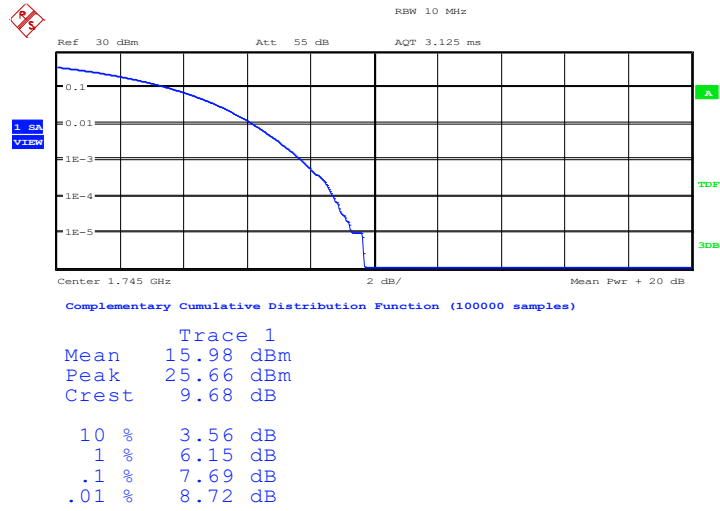
Date: 26.JUL.2021 06:59:25

LTE band 66, 20MHz Bandwidth, 16QAM (PAPR)



Date: 26.JUL.2021 06:59:31

LTE band 66, 20MHz Bandwidth, 64QAM (PAPR)



Date: 26.JUL.2021 07:12:25

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

END OF REPORT