



Appendix B: Peak-to-Average Ratio(CCDF)

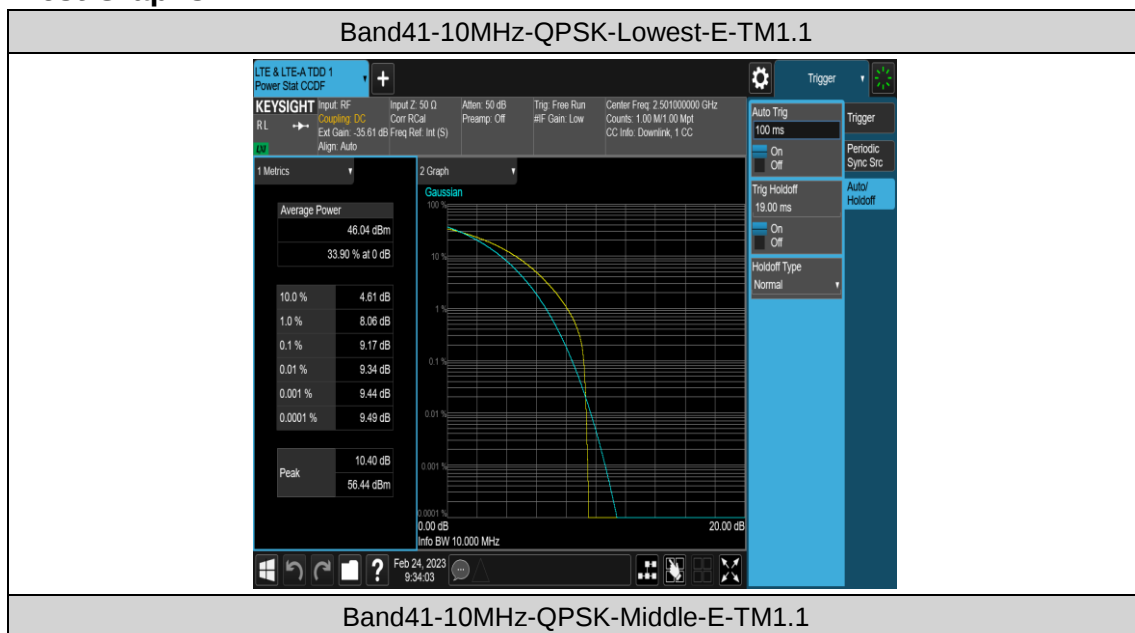
1) Test For ANT0 Test Result

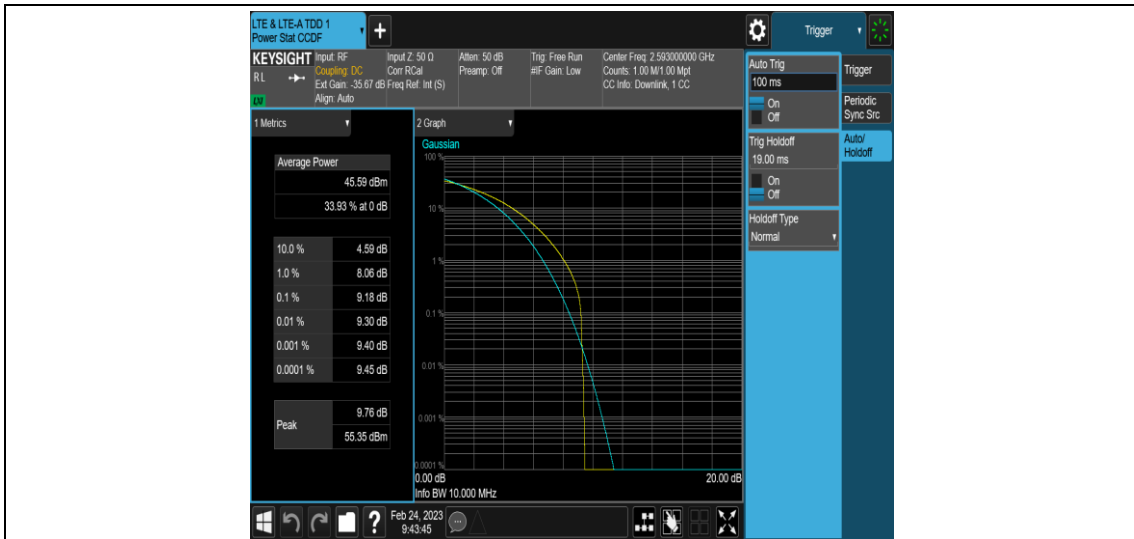
1.1) DC Mode

Test Result

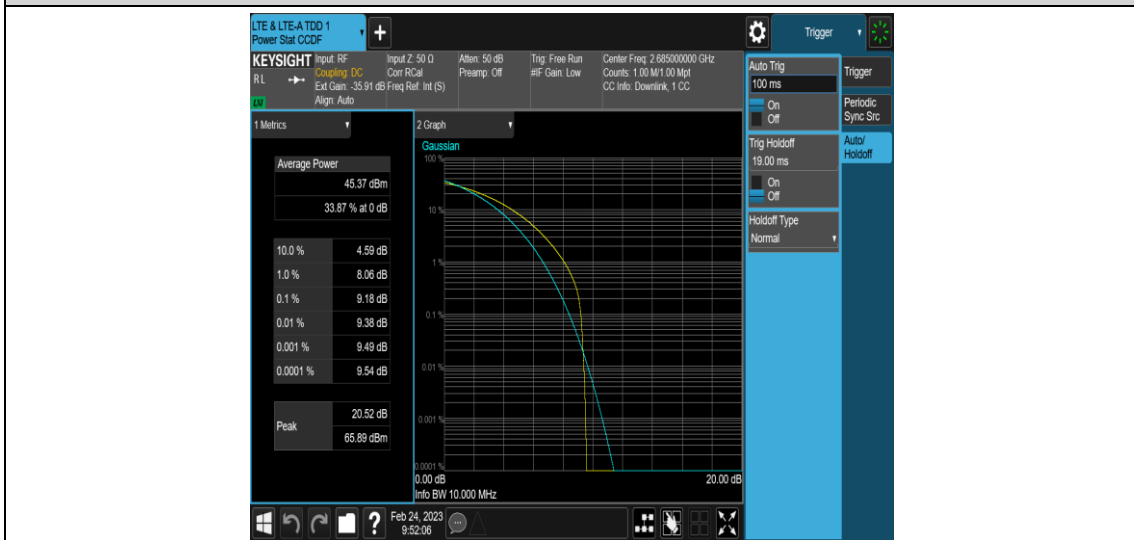
Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)
Band41	10MHz	QPSK	Lowest	E-TM1.1	9.17
Band41	10MHz	QPSK	Middle	E-TM1.1	9.18
Band41	10MHz	QPSK	Highest	E-TM1.1	9.18
Band41	10MHz	256QAM	Lowest	E-TM3.1A	8.94
Band41	10MHz	256QAM	Middle	E-TM3.1A	9.04
Band41	10MHz	256QAM	Highest	E-TM3.1A	9.03
Band41	20MHz	QPSK	Lowest	E-TM1.1	8.23
Band41	20MHz	QPSK	Middle	E-TM1.1	8.71
Band41	20MHz	QPSK	Highest	E-TM1.1	9.00
Band41	20MHz	256QAM	Lowest	E-TM3.1A	9.19
Band41	20MHz	256QAM	Middle	E-TM3.1A	8.45
Band41	20MHz	256QAM	Highest	E-TM3.1A	9.78

Test Graphs

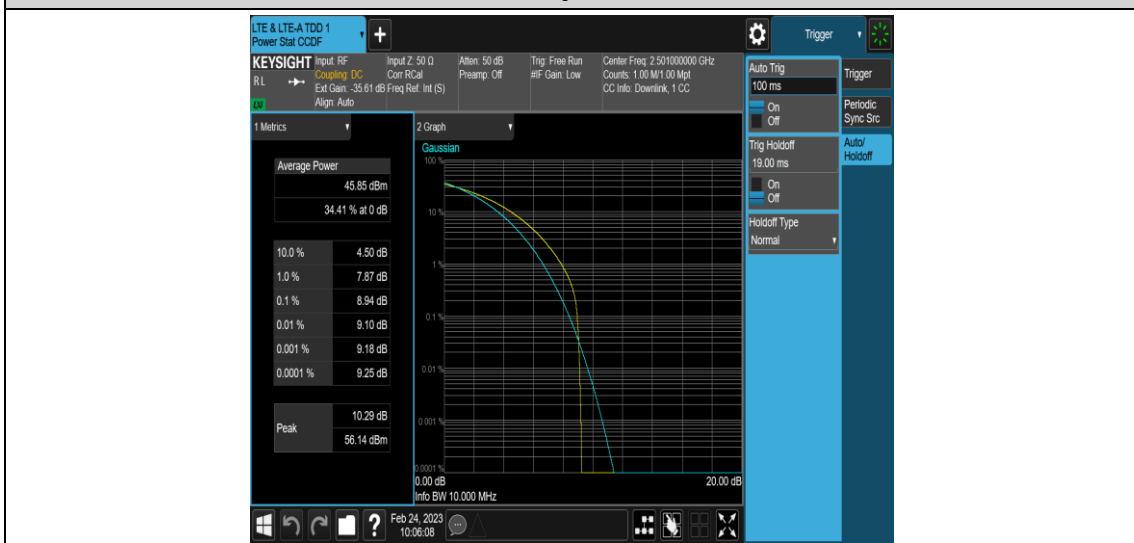




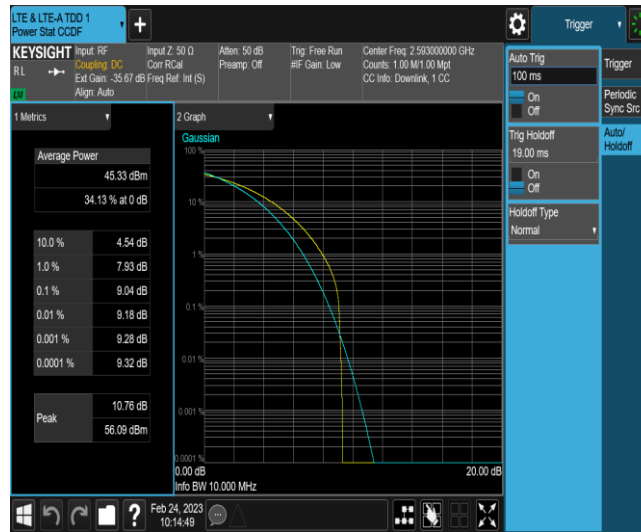
Band41-10MHz-QPSK-Highest-E-TM1.1



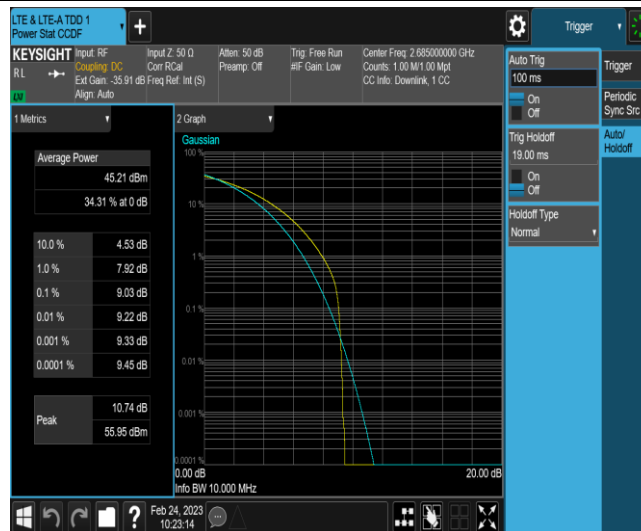
Band41-10MHz-256QAM-Lowest-E-TM3.1A



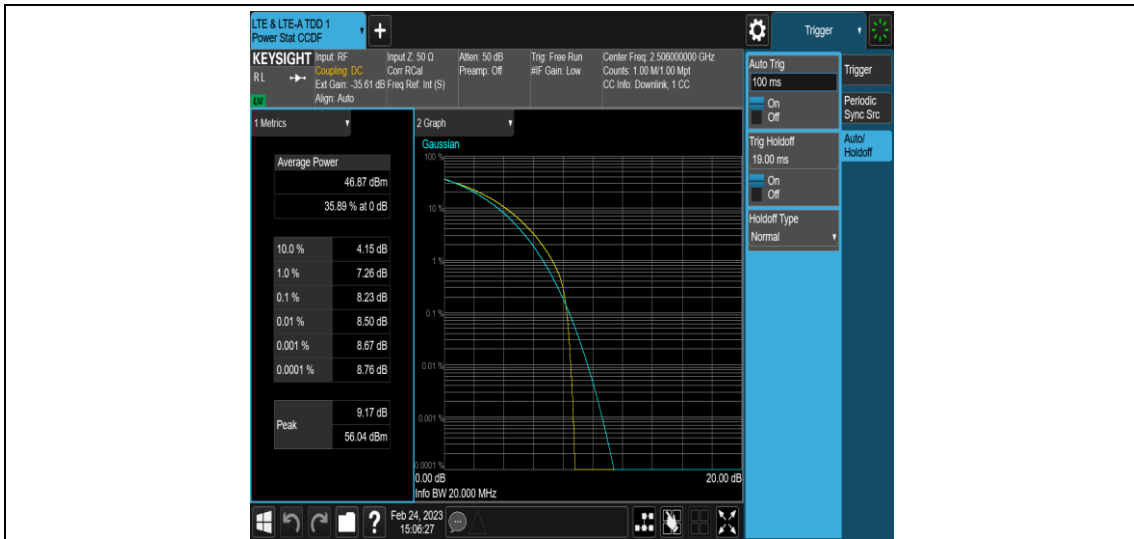
Band41-10MHz-256QAM-Middle-E-TM3.1A



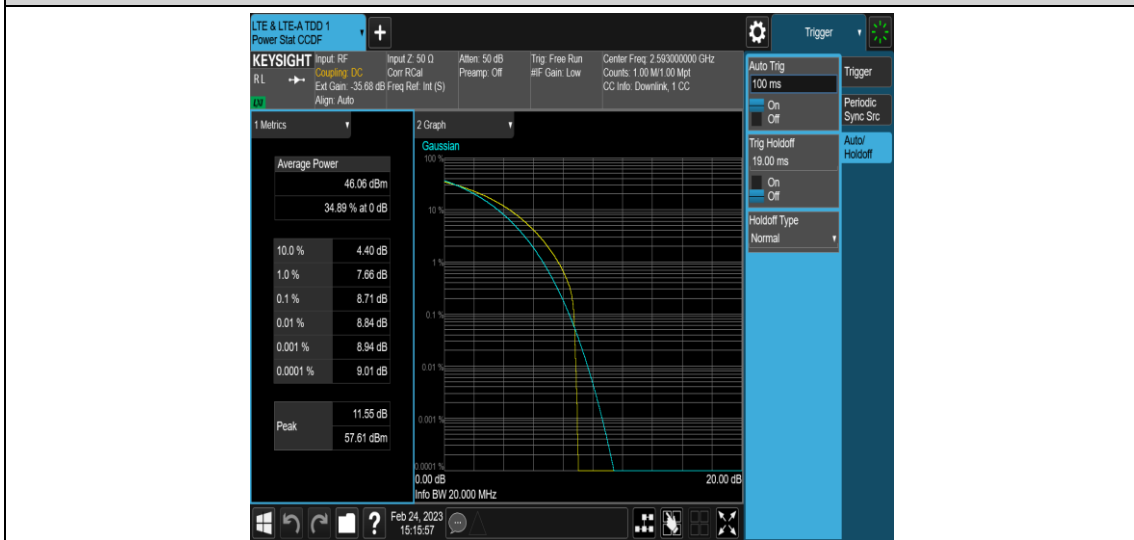
Band41-10MHz-256QAM-Highest-E-TM3.1A



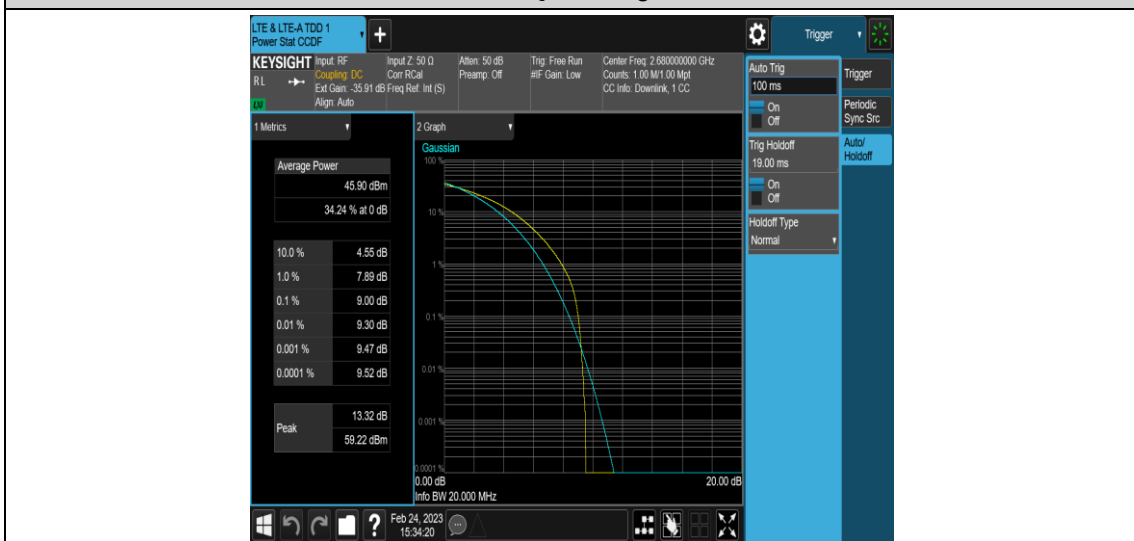
Band41-20MHz-QPSK-Lowest-E-TM1.1



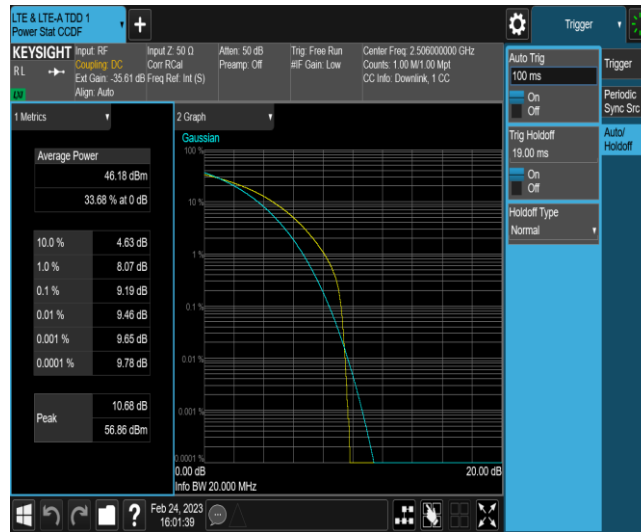
Band41-20MHz-QPSK-Middle-E-TM1.1



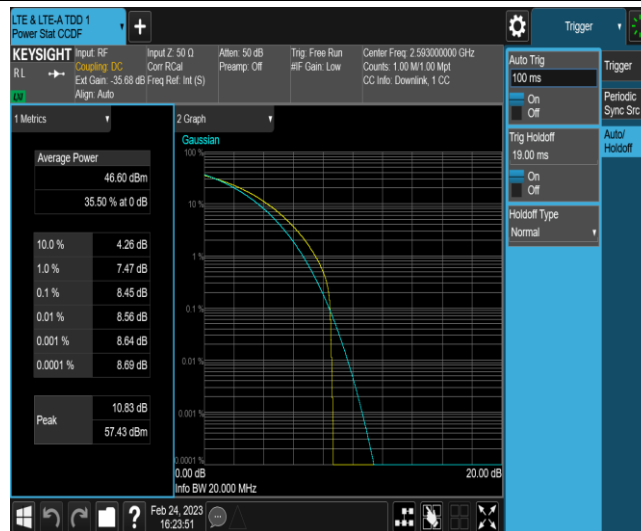
Band41-20MHz-QPSK-Highest-E-TM1.1



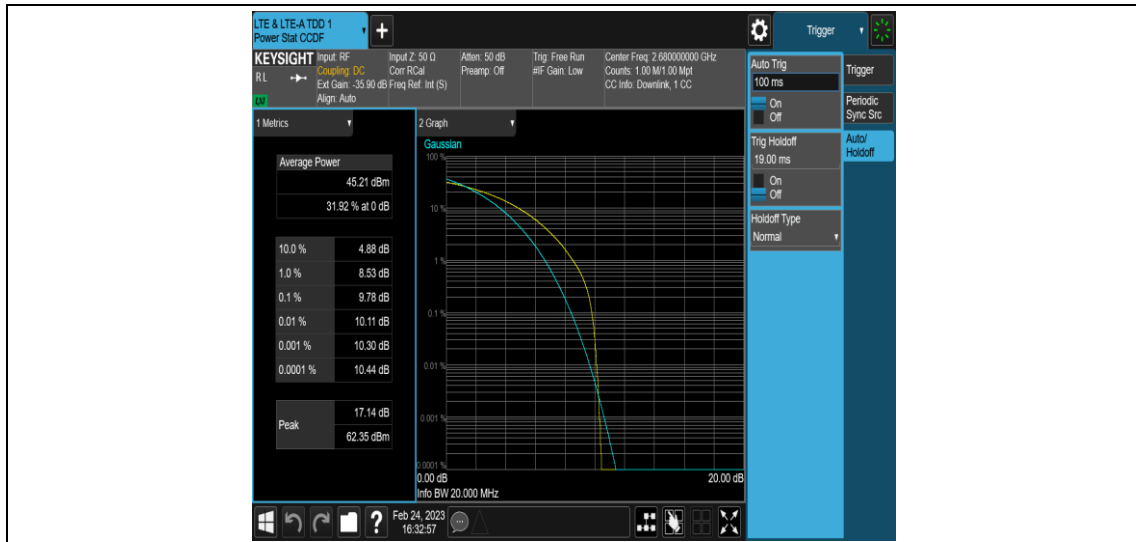
Band41-20MHz-256QAM-Lowest-E-TM3.1A



Band41-20MHz-256QAM-Middle-E-TM3.1A



Band41-20MHz-256QAM-Highest-E-TM3.1A

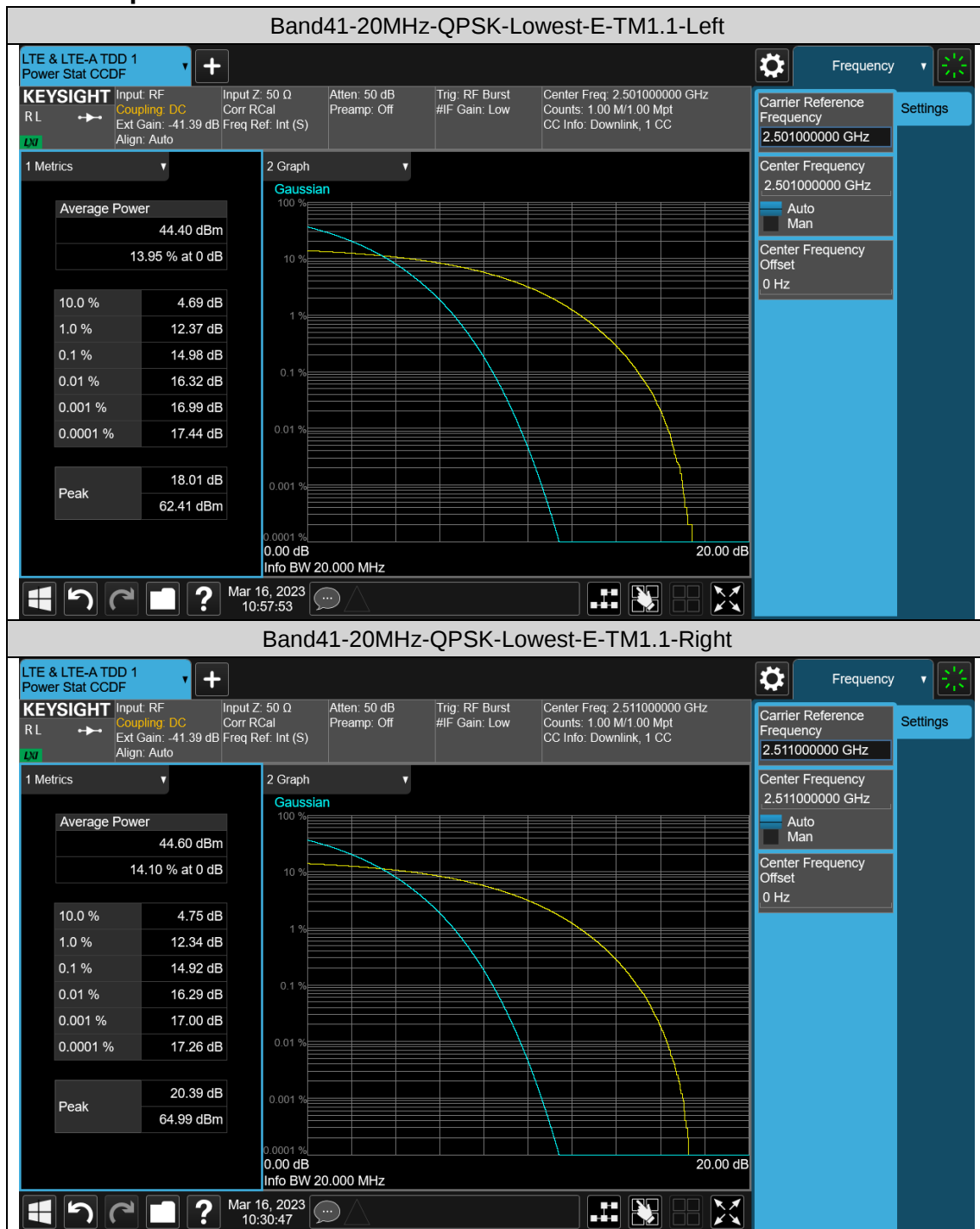


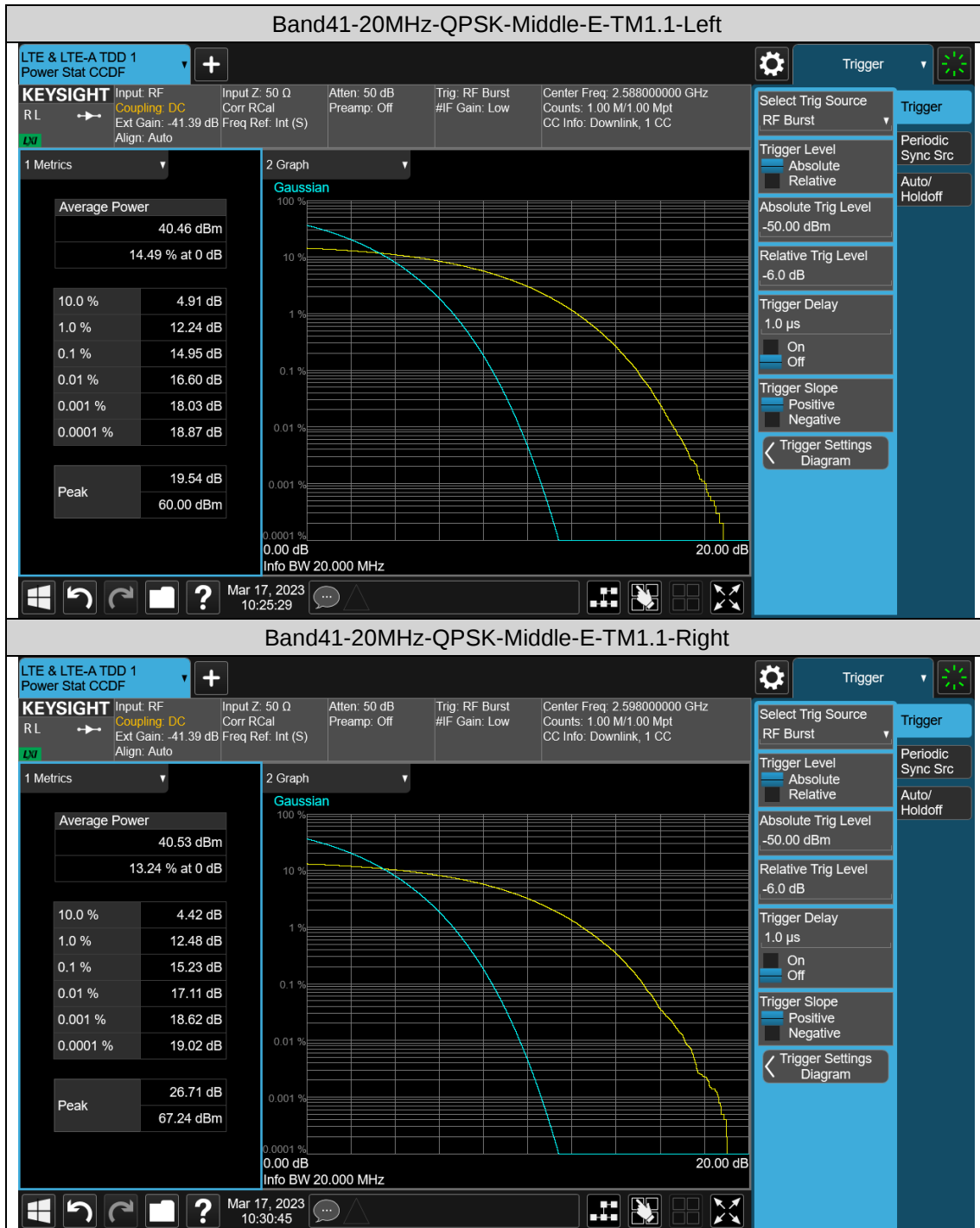
1.2) 2CA:10M+10M Mode

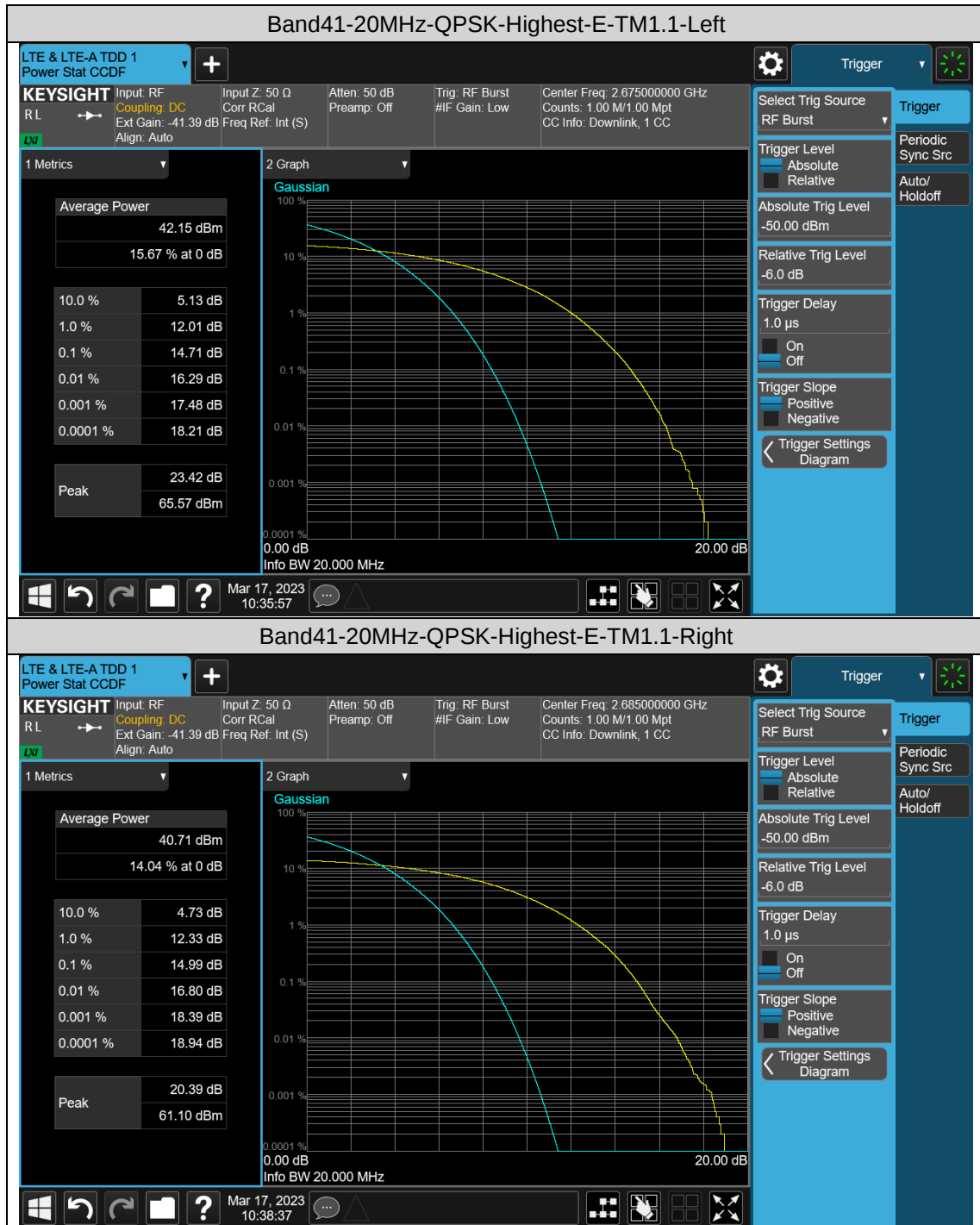
Test Result

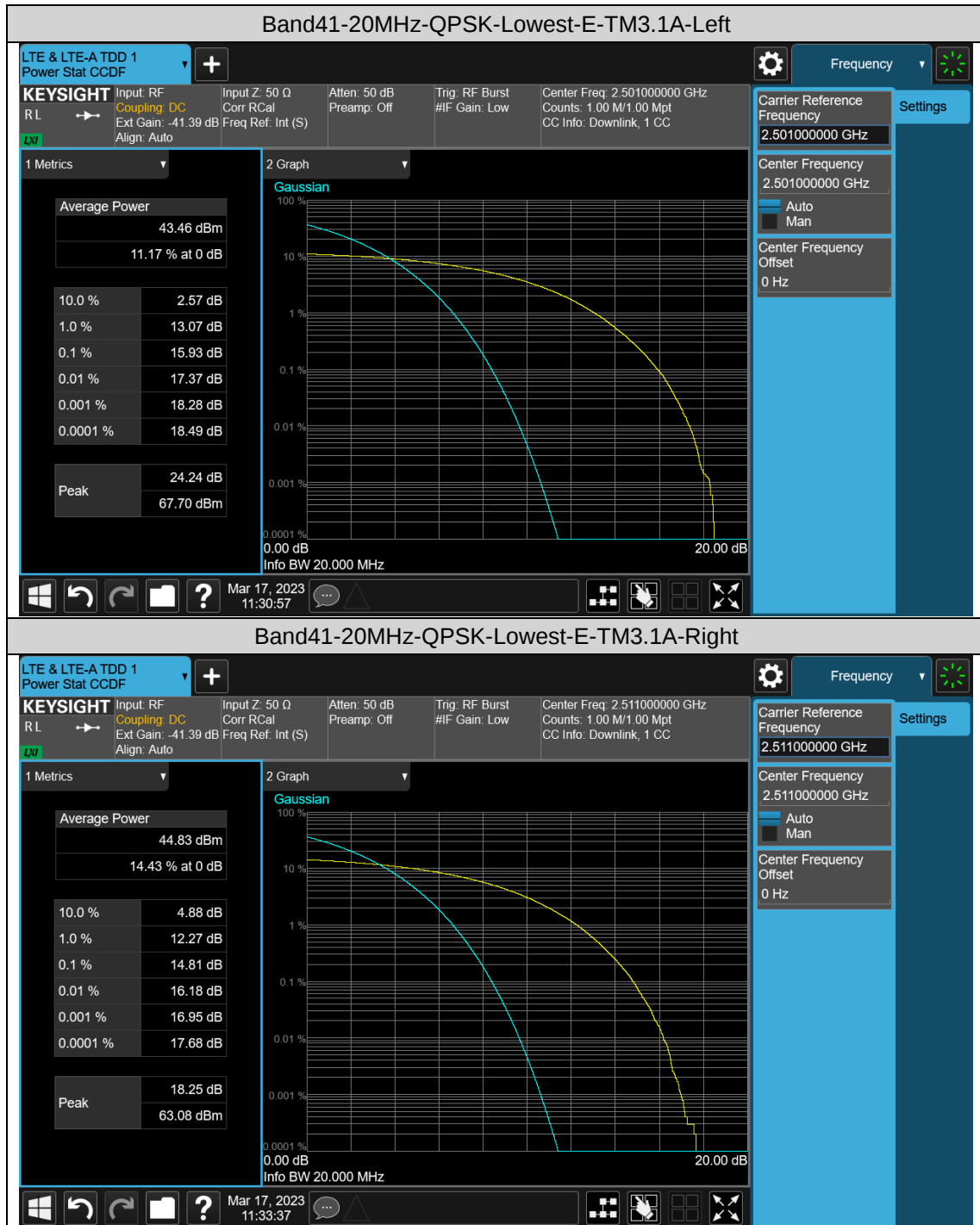
Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)Left	Result(dBm)Right
Band41	20MHz	QPSK	Lowest	E-TM1.1	14.98	14.92
Band41	20MHz	QPSK	Middle	E-TM1.1	14.95	15.23
Band41	20MHz	QPSK	Highest	E-TM1.1	14.71	14.99
Band41	20MHz	256QAM	Lowest	E-TM3.1A	15.93	14.81
Band41	20MHz	256QAM	Middle	E-TM3.1A	14.65	14.82
Band41	20MHz	256QAM	Highest	E-TM3.1A	14.59	14.39

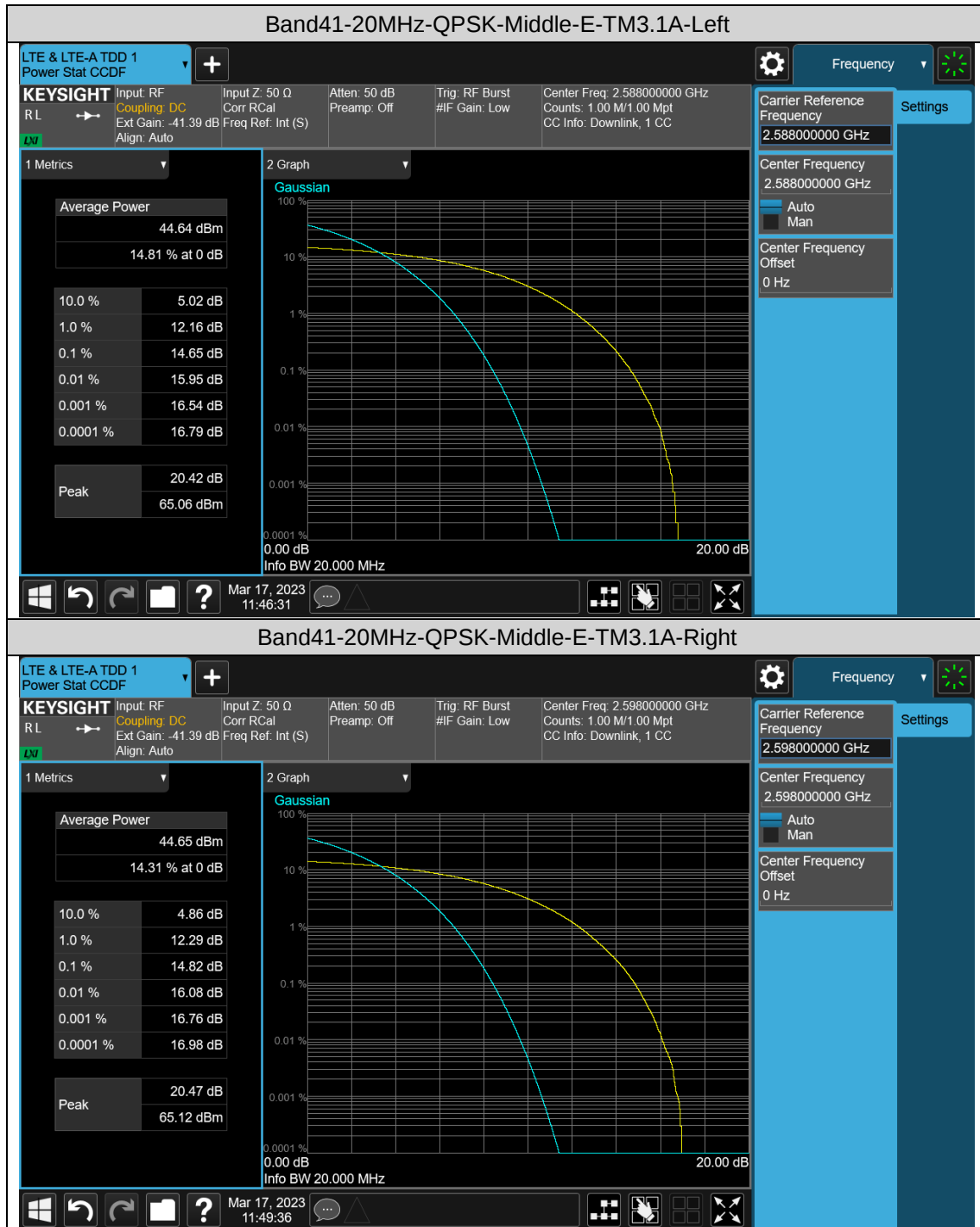
Test Graphs

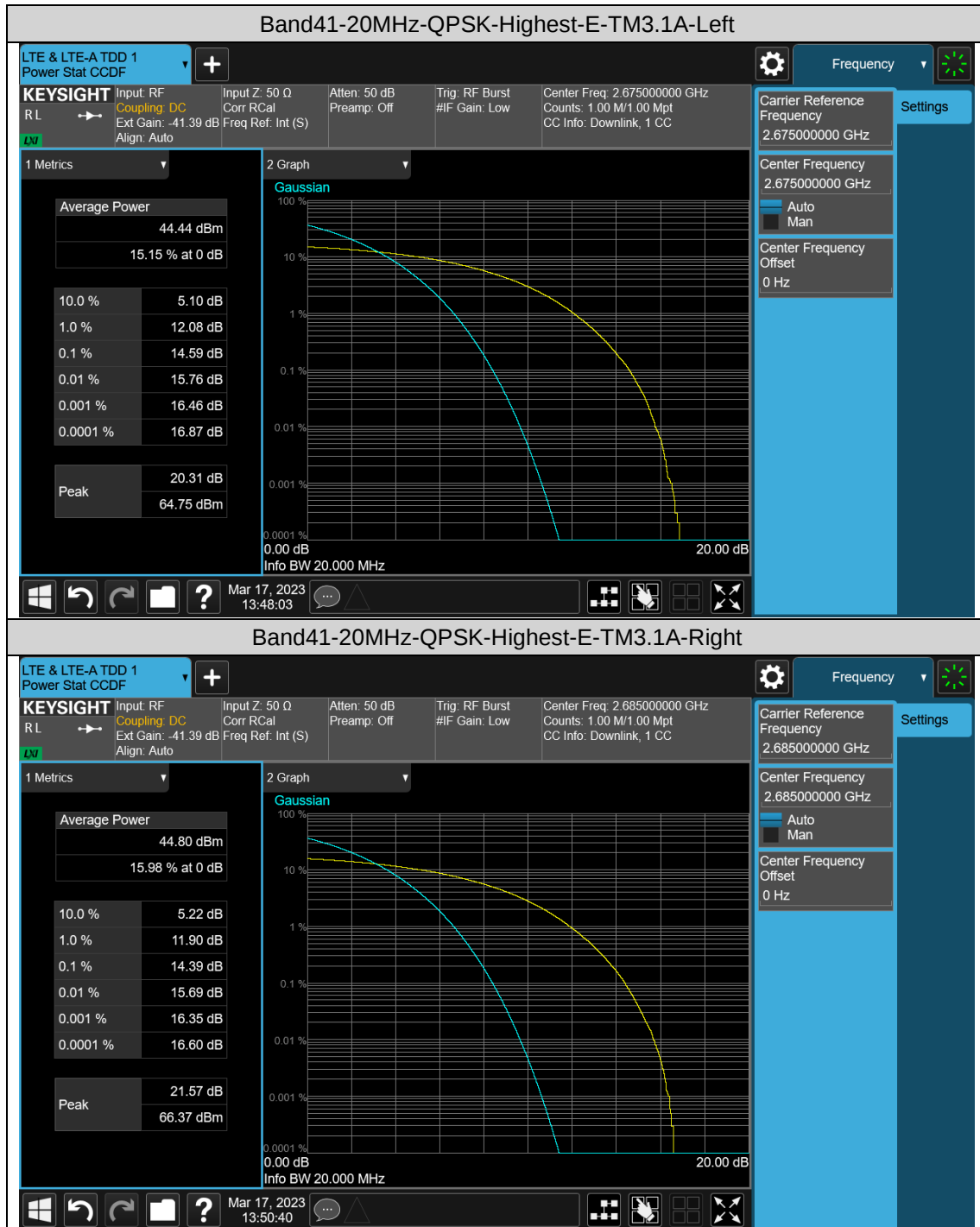










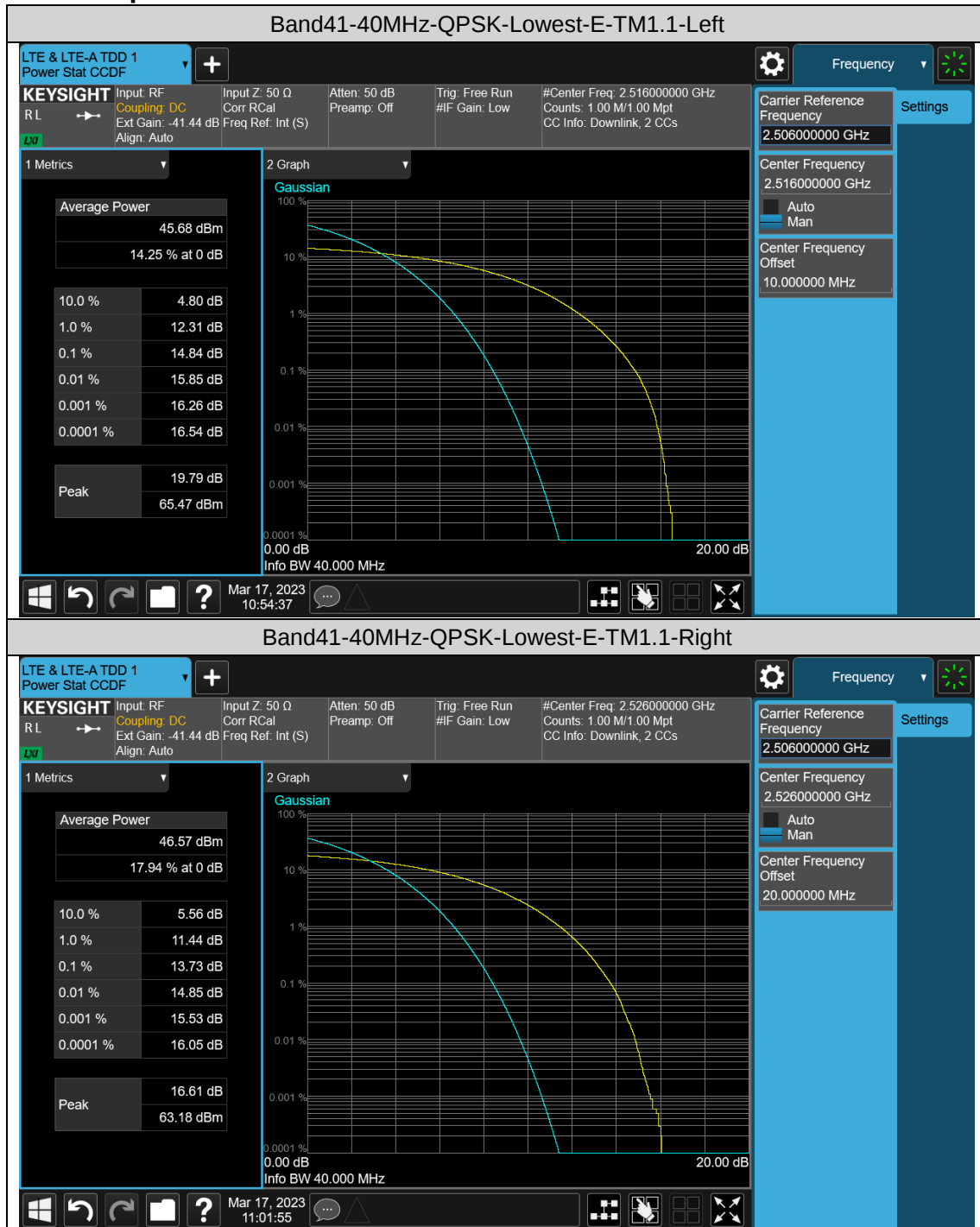


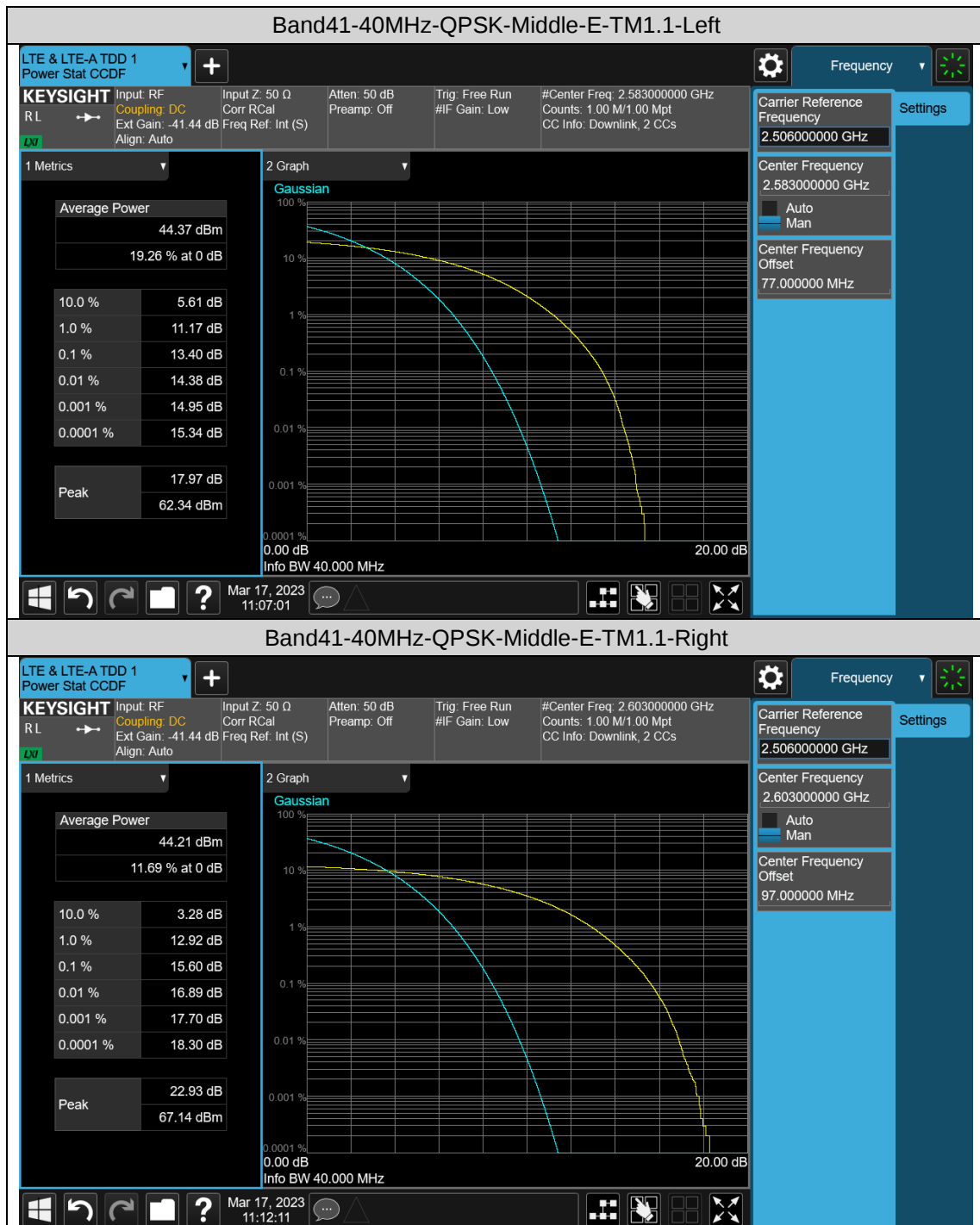
1.3) 2CA:20M+20M Mode

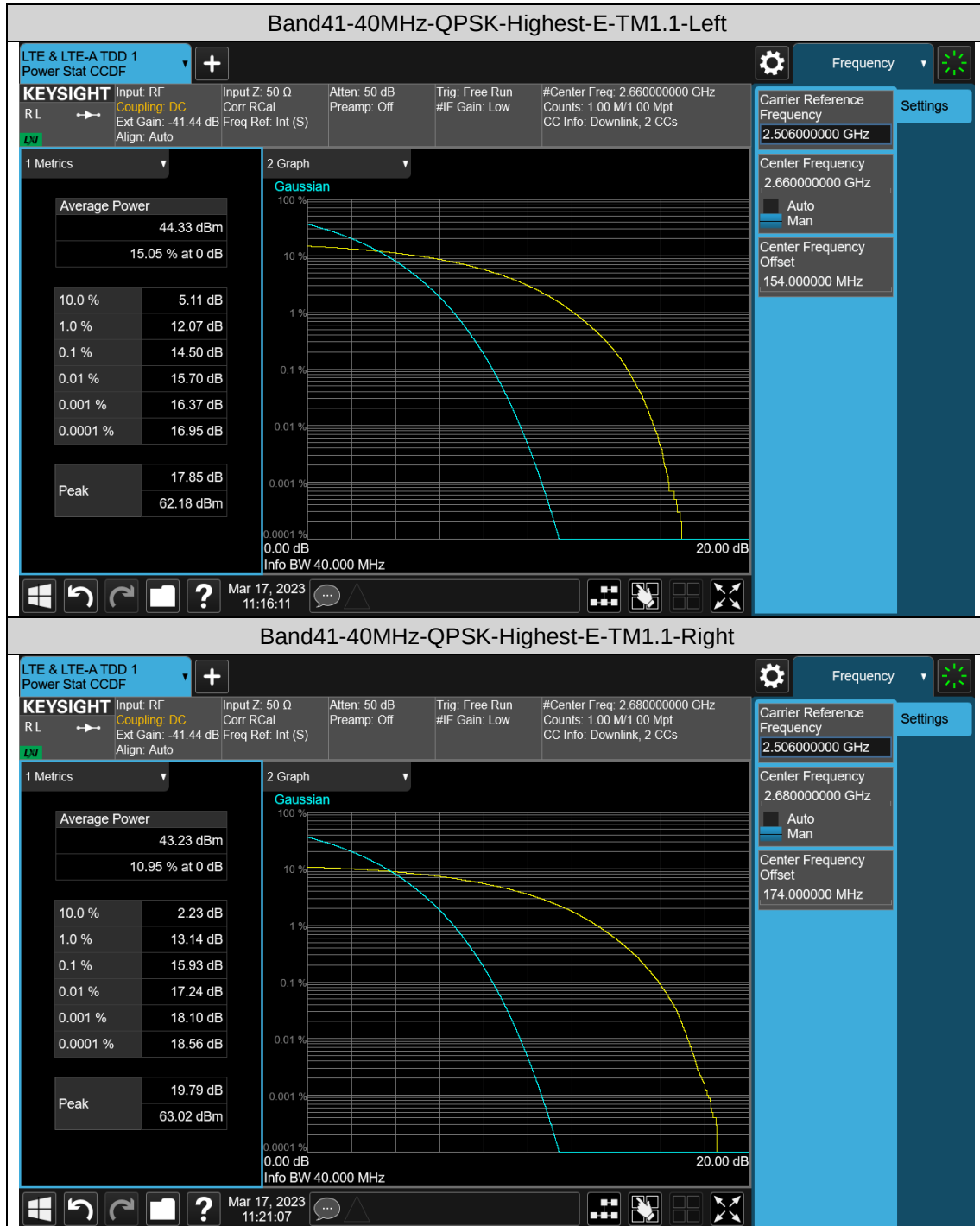
Test Result

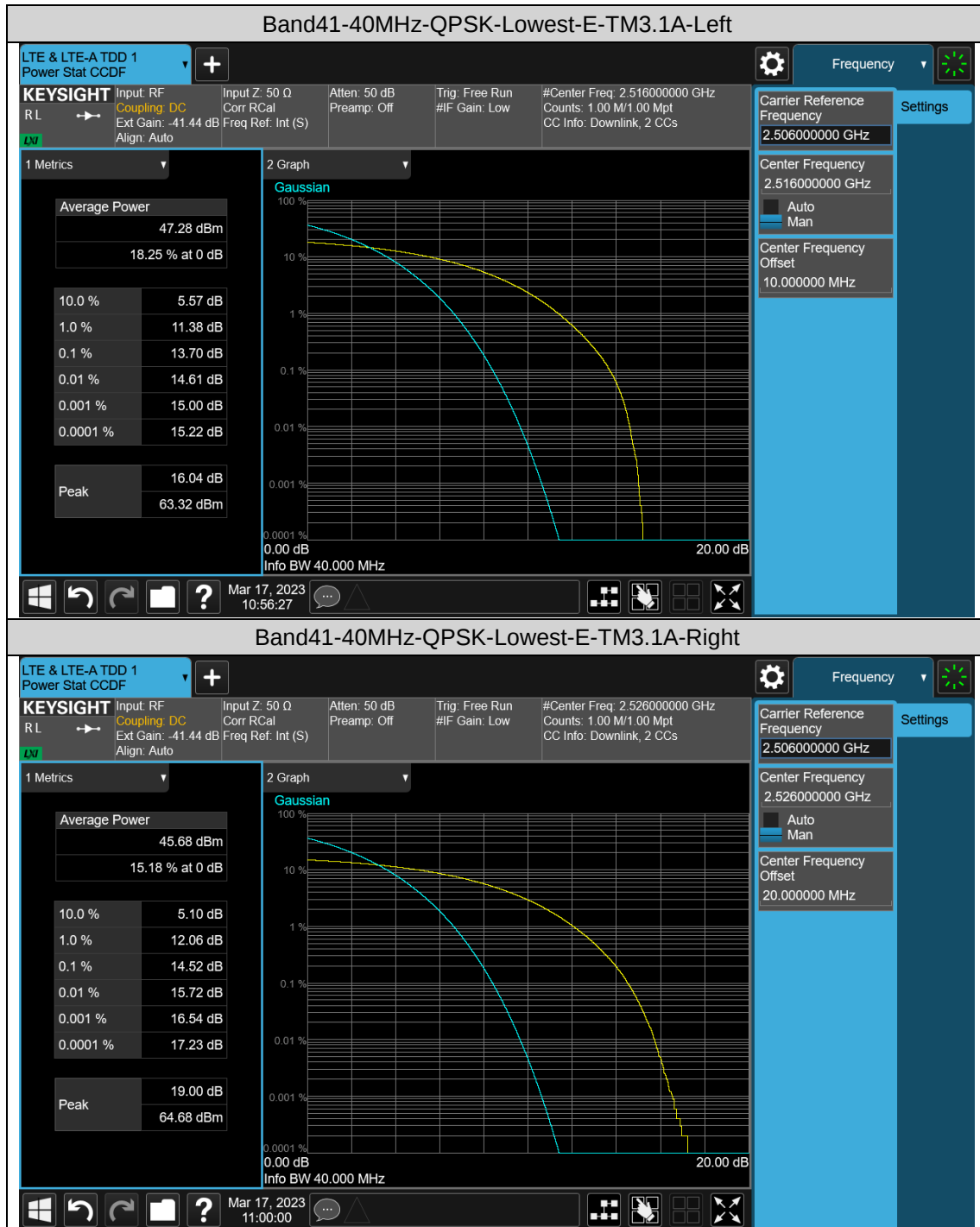
Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)Left	Result(dBm)Right
Band41	40MHz	QPSK	Lowest	E-TM1.1	14.84	13.73
Band41	40MHz	QPSK	Middle	E-TM1.1	13.40	15.60
Band41	40MHz	QPSK	Highest	E-TM1.1	14.50	15.93
Band41	40MHz	256QAM	Lowest	E-TM3.1A	13.70	14.52
Band41	40MHz	256QAM	Middle	E-TM3.1A	14.55	13.47
Band41	40MHz	256QAM	Highest	E-TM3.1A	14.18	13.22

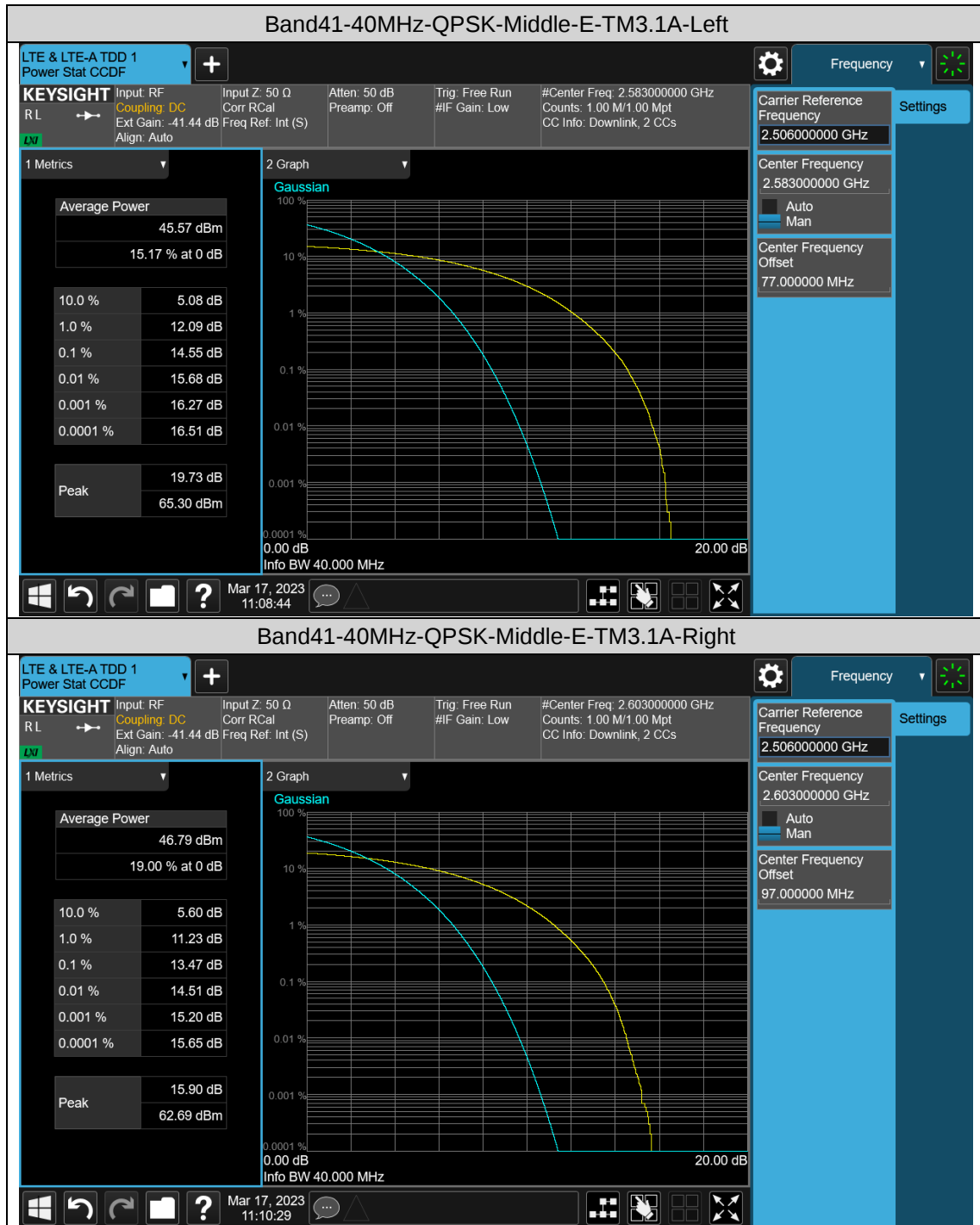
Test Graphs

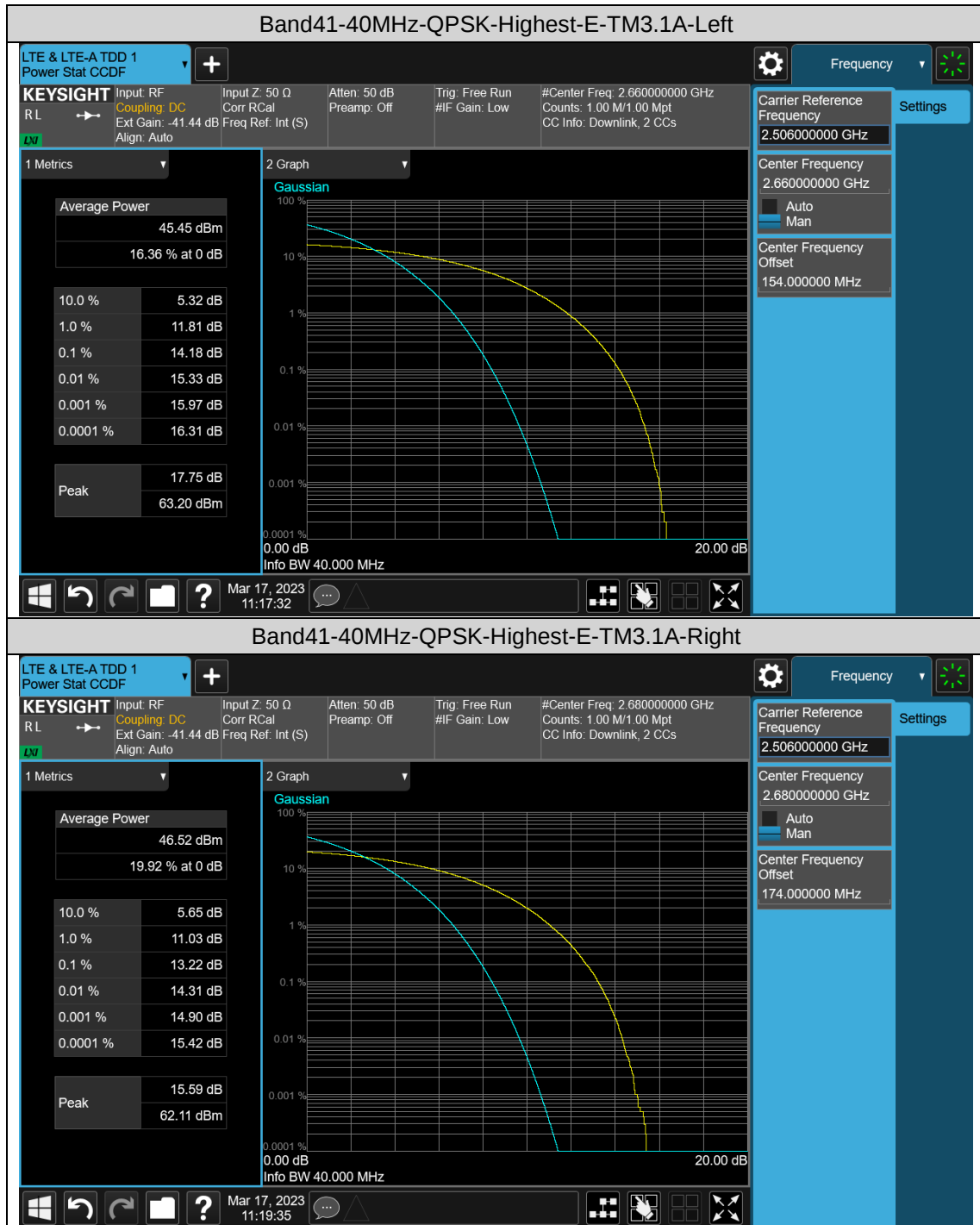












2) Test For ANT1 Test Result

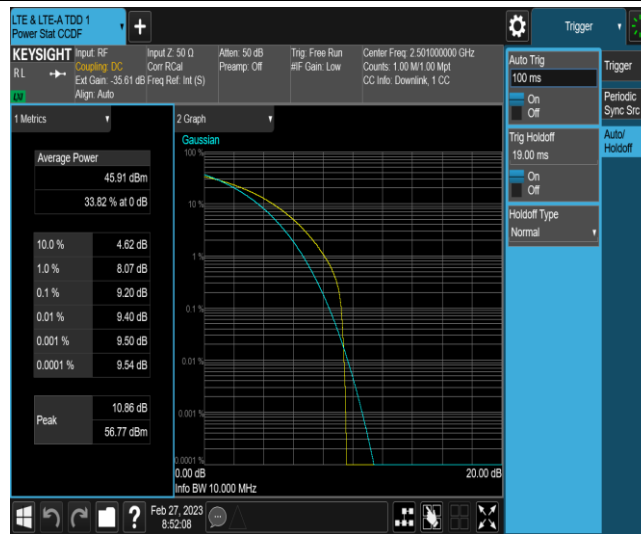
2.1) DC Mode

Test Result

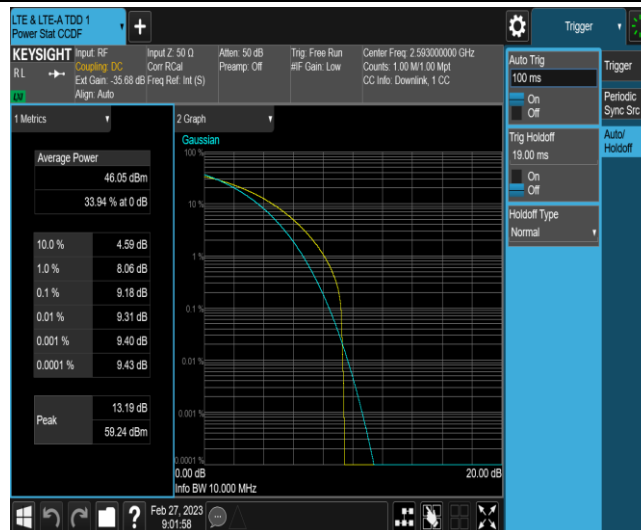
Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)
Band41	10MHz	QPSK	Lowest	E-TM1.1	9.20
Band41	10MHz	QPSK	Middle	E-TM1.1	9.18
Band41	10MHz	QPSK	Highest	E-TM1.1	9.02
Band41	10MHz	256QAM	Lowest	E-TM3.1A	9.06
Band41	10MHz	256QAM	Middle	E-TM3.1A	9.25
Band41	10MHz	256QAM	Highest	E-TM3.1A	9.13
Band41	20MHz	QPSK	Lowest	E-TM1.1	9.69
Band41	20MHz	QPSK	Middle	E-TM1.1	9.25
Band41	20MHz	QPSK	Highest	E-TM1.1	8.55
Band41	20MHz	256QAM	Lowest	E-TM3.1A	9.49
Band41	20MHz	256QAM	Middle	E-TM3.1A	9.55
Band41	20MHz	256QAM	Highest	E-TM3.1A	9.14

Test Graphs

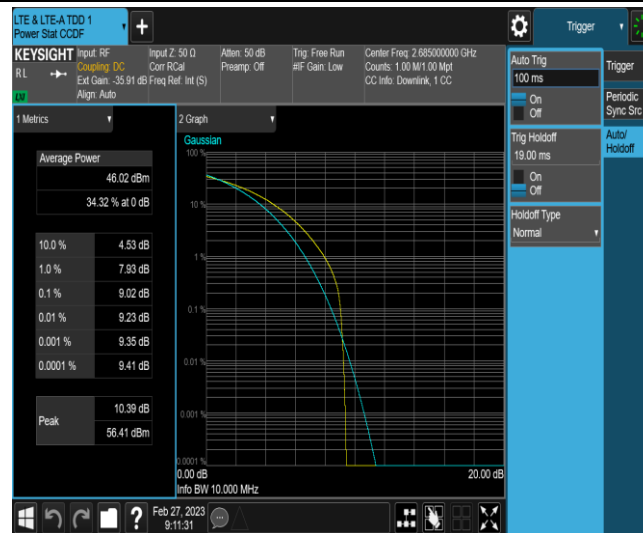
Band41-10MHz-QPSK-Lowest-E-TM1.1



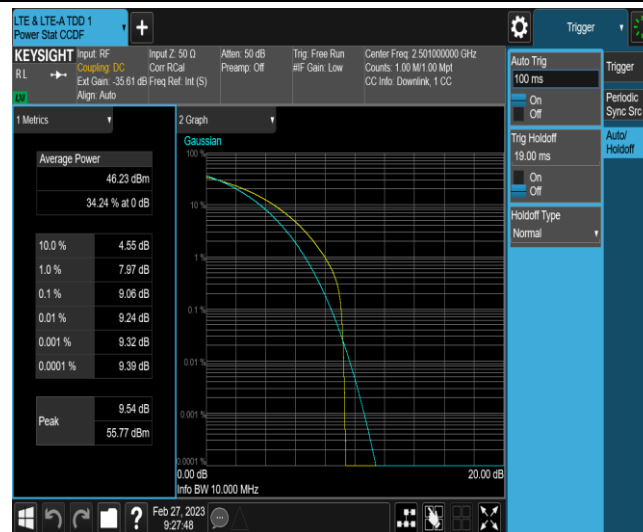
Band41-10MHz-QPSK-Middle-E-TM1.1



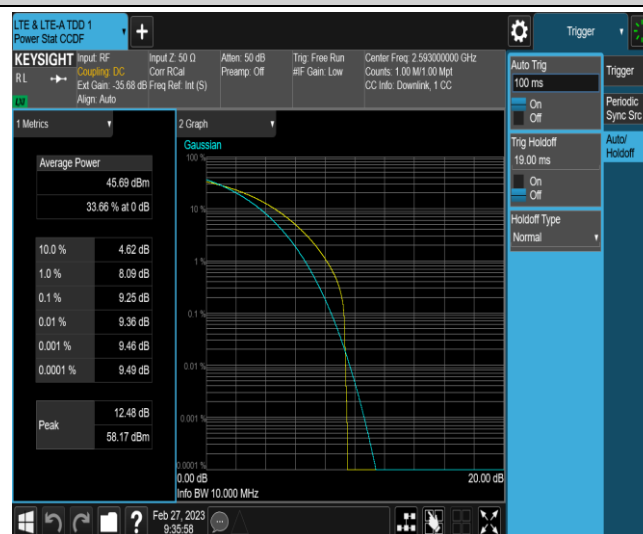
Band41-10MHz-QPSK-Highest-E-TM1.1



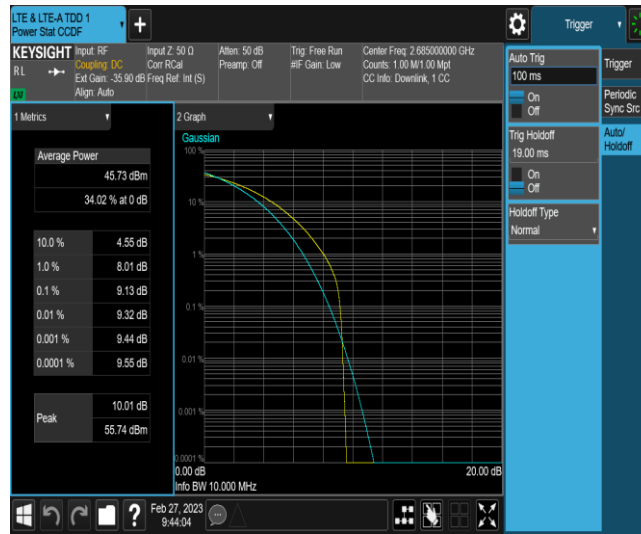
Band41-10MHz-256QAM-Lowest-E-TM3.1A



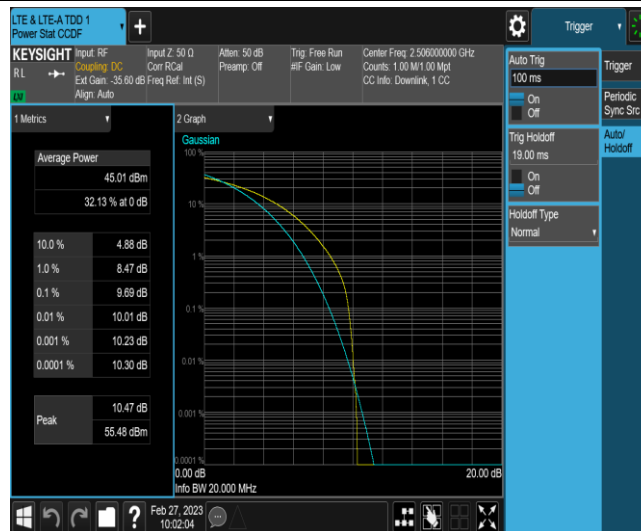
Band41-10MHz-256QAM-Middle-E-TM3.1A



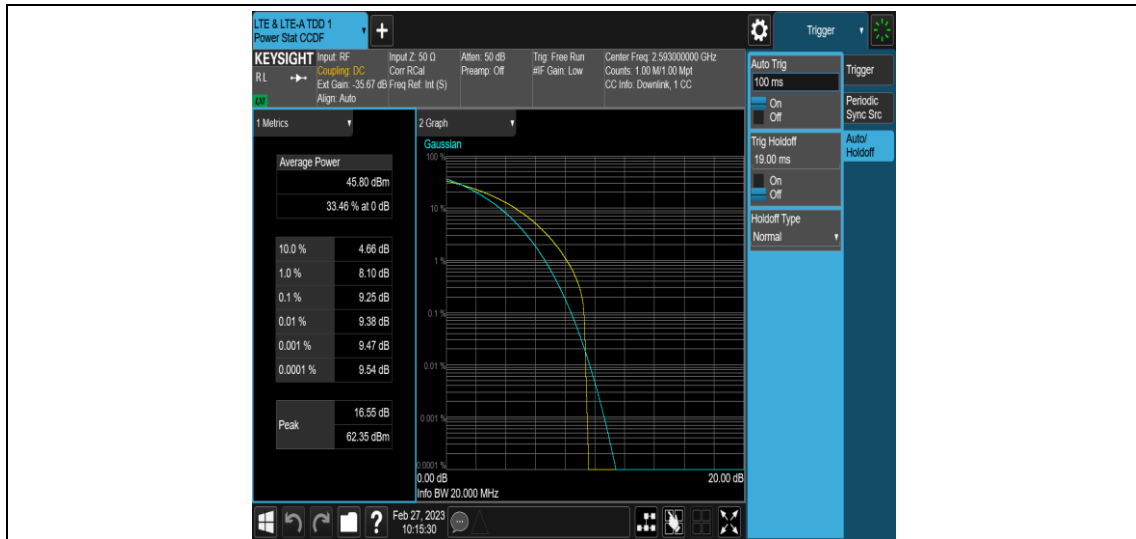
Band41-10MHz-256QAM-Highest-E-TM3.1A



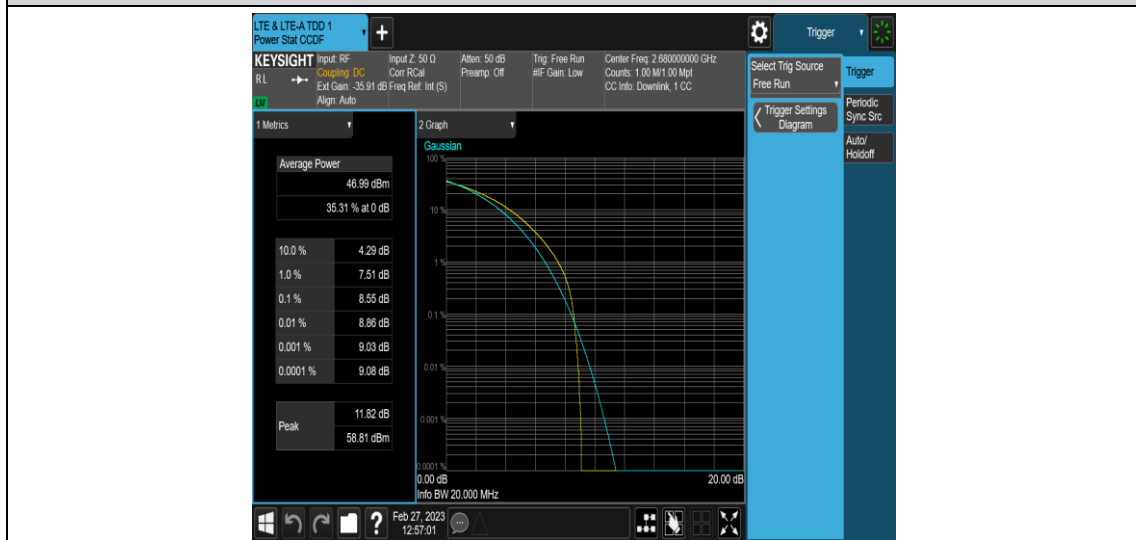
Band41-20MHz-QPSK-Lowest-E-TM1.1



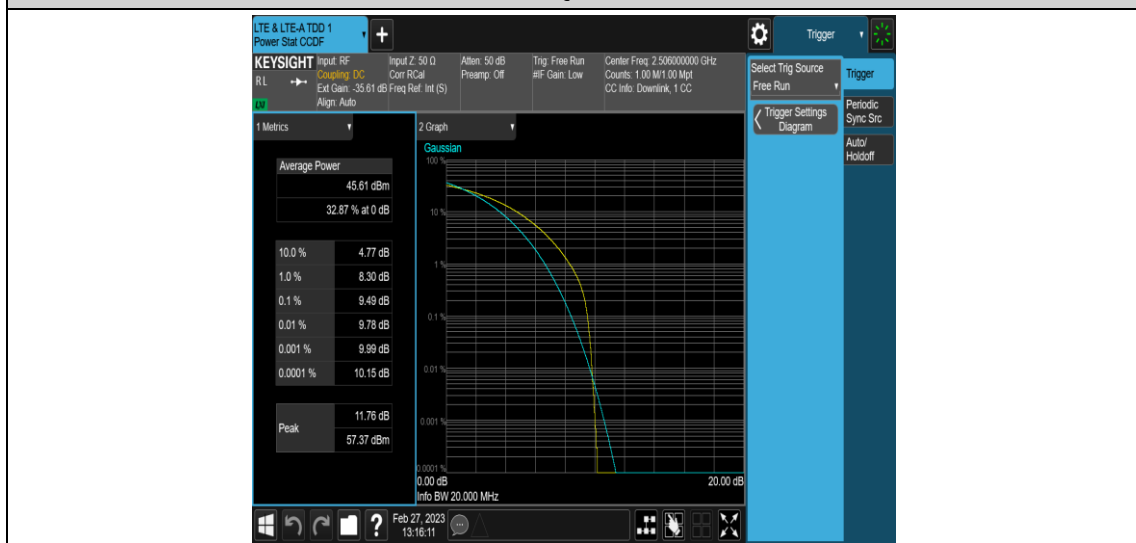
Band41-20MHz-QPSK-Middle-E-TM1.1



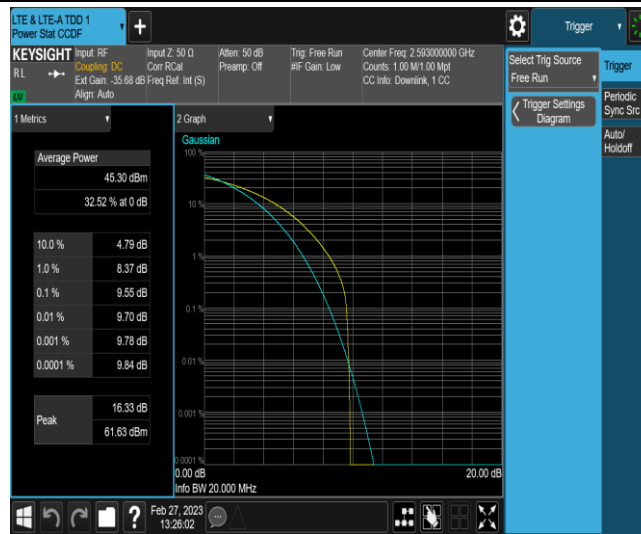
Band41-20MHz-QPSK-Highest-E-TM1.1



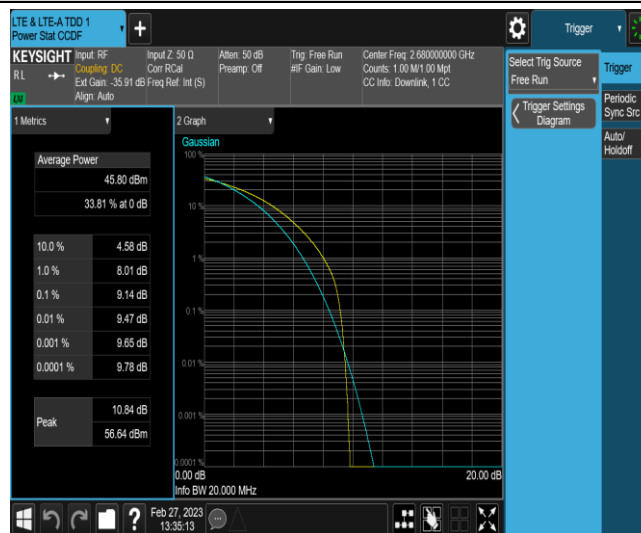
Band41-20MHz-256QAM-Lowest-E-TM3.1A



Band41-20MHz-256QAM-Middle-E-TM3.1A



Band41-20MHz-256QAM-Highest-E-TM3.1A

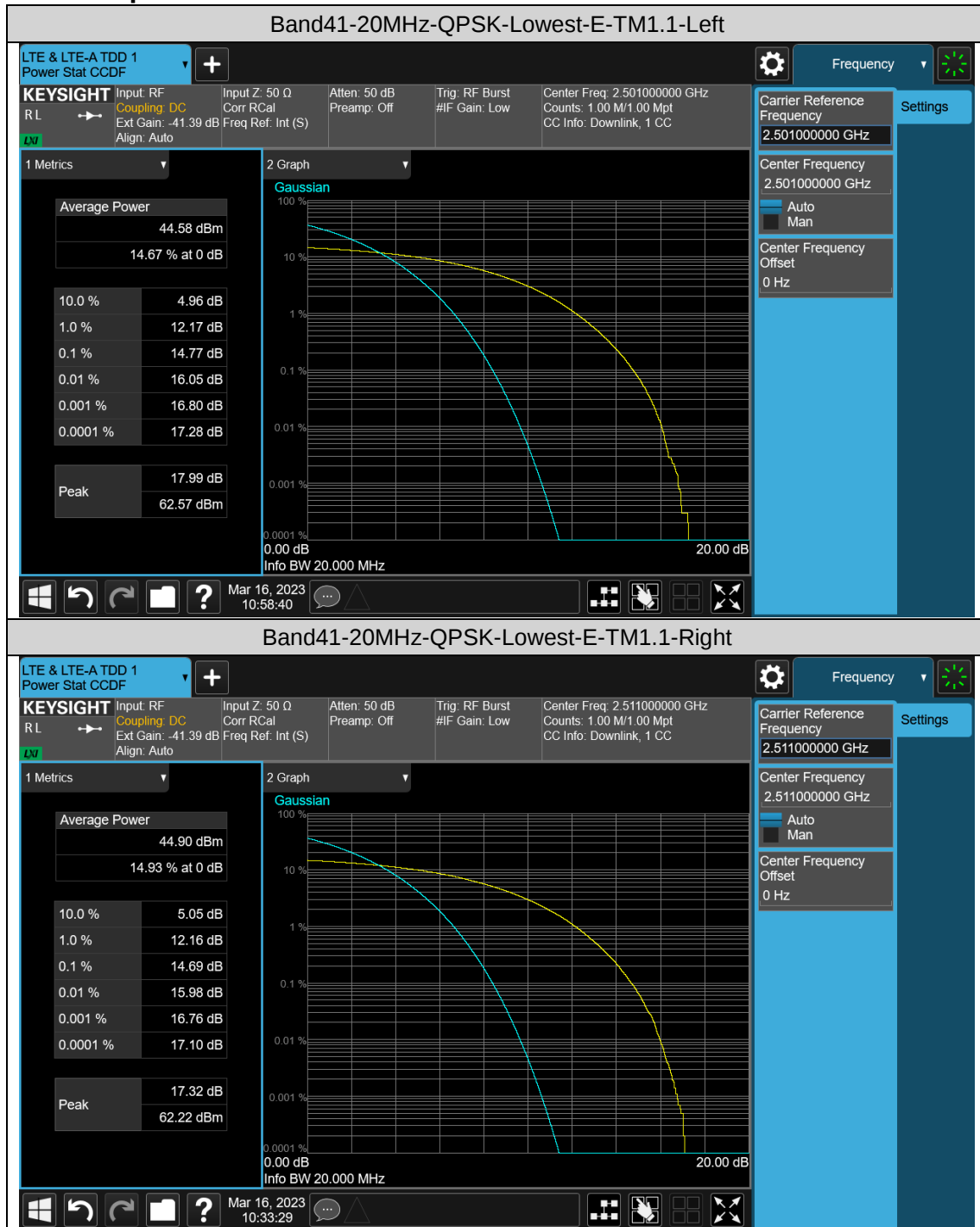


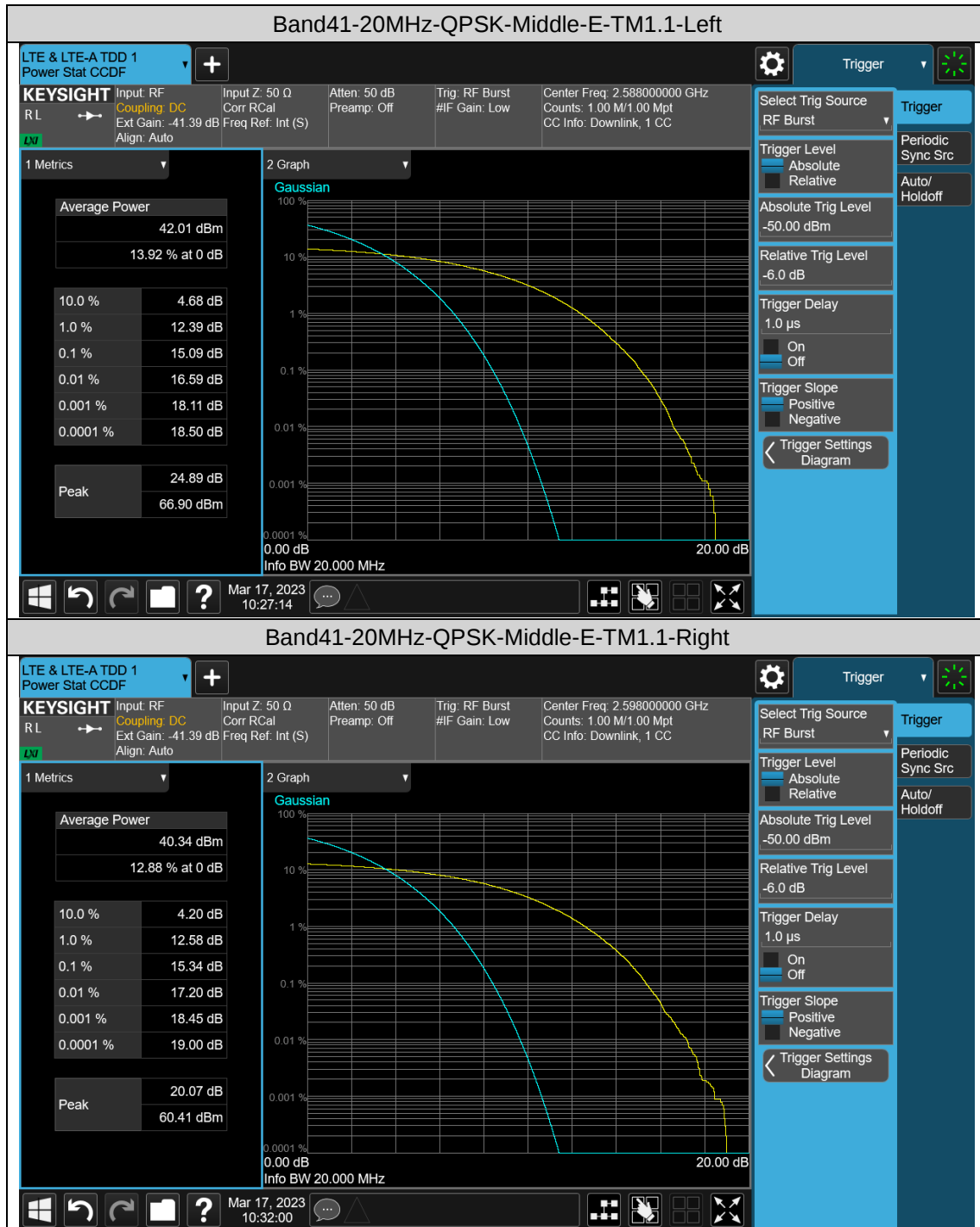
2.2) 2CA:10M+10M Mode

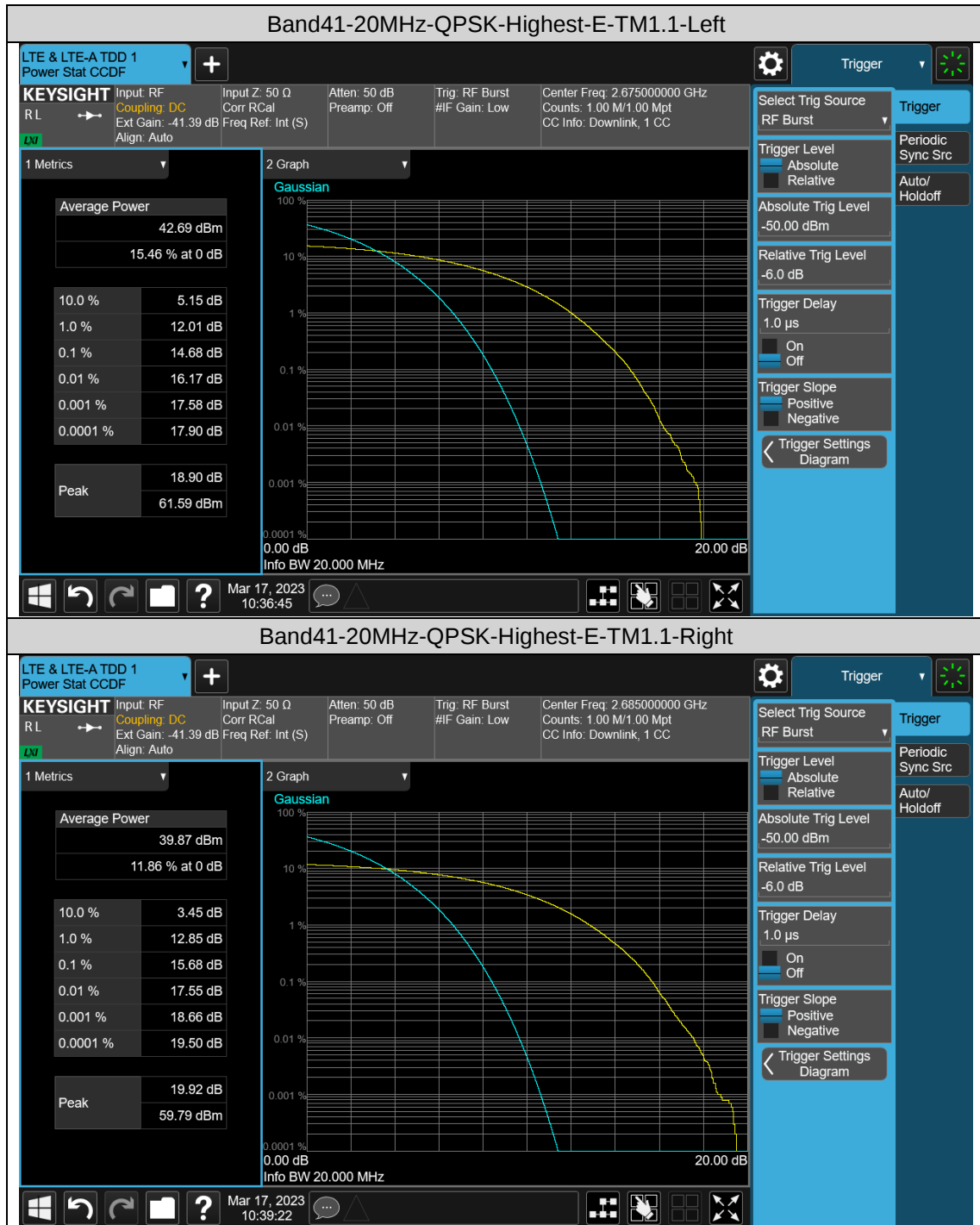
Test Result

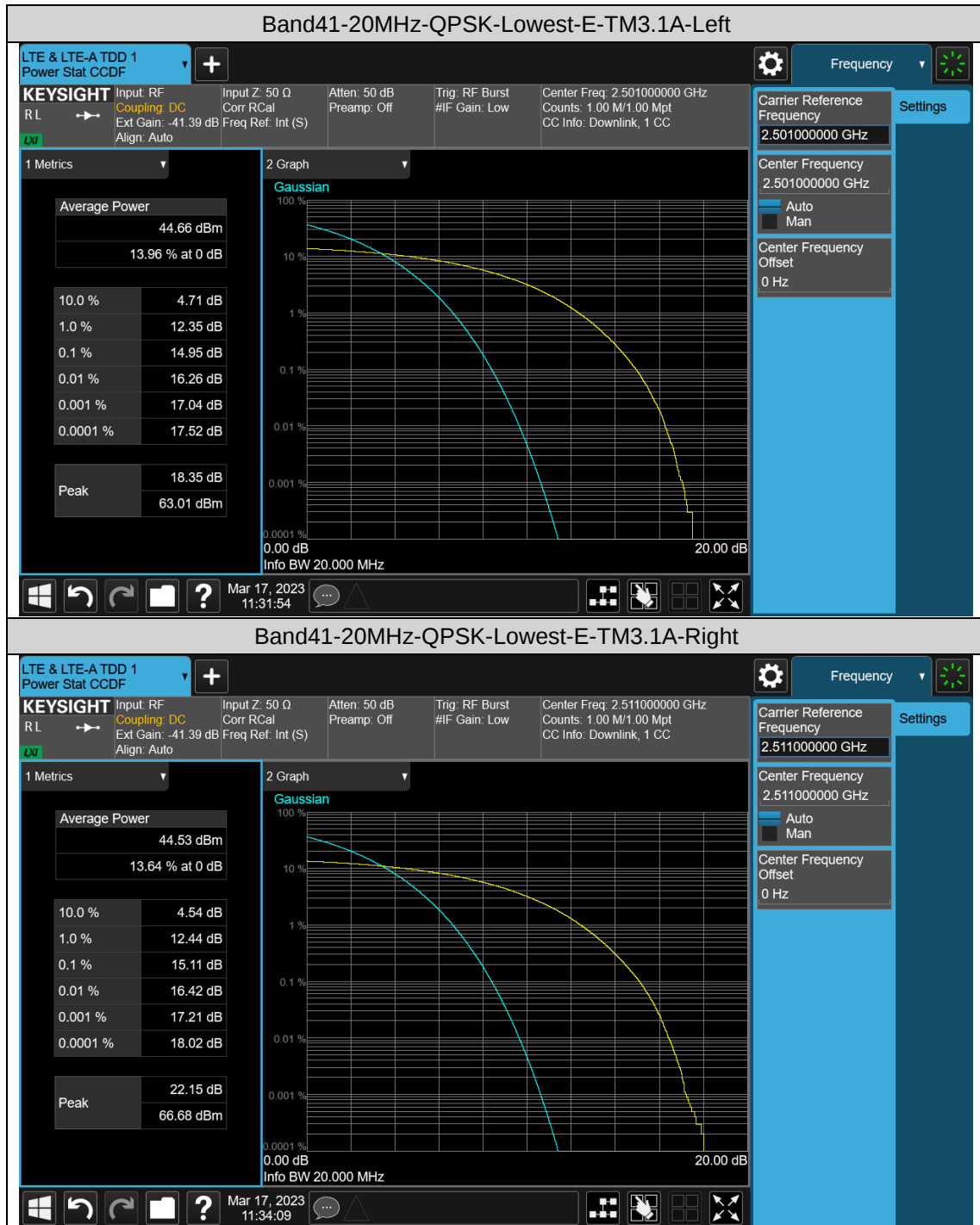
Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)Left	Result(dBm)Right
Band41	20MHz	QPSK	Lowest	E-TM1.1	14.77	14.69
Band41	20MHz	QPSK	Middle	E-TM1.1	15.09	15.34
Band41	20MHz	QPSK	Highest	E-TM1.1	14.68	15.68
Band41	20MHz	256QAM	Lowest	E-TM3.1A	14.95	15.11
Band41	20MHz	256QAM	Middle	E-TM3.1A	14.57	15.33
Band41	20MHz	256QAM	Highest	E-TM3.1A	14.93	14.63

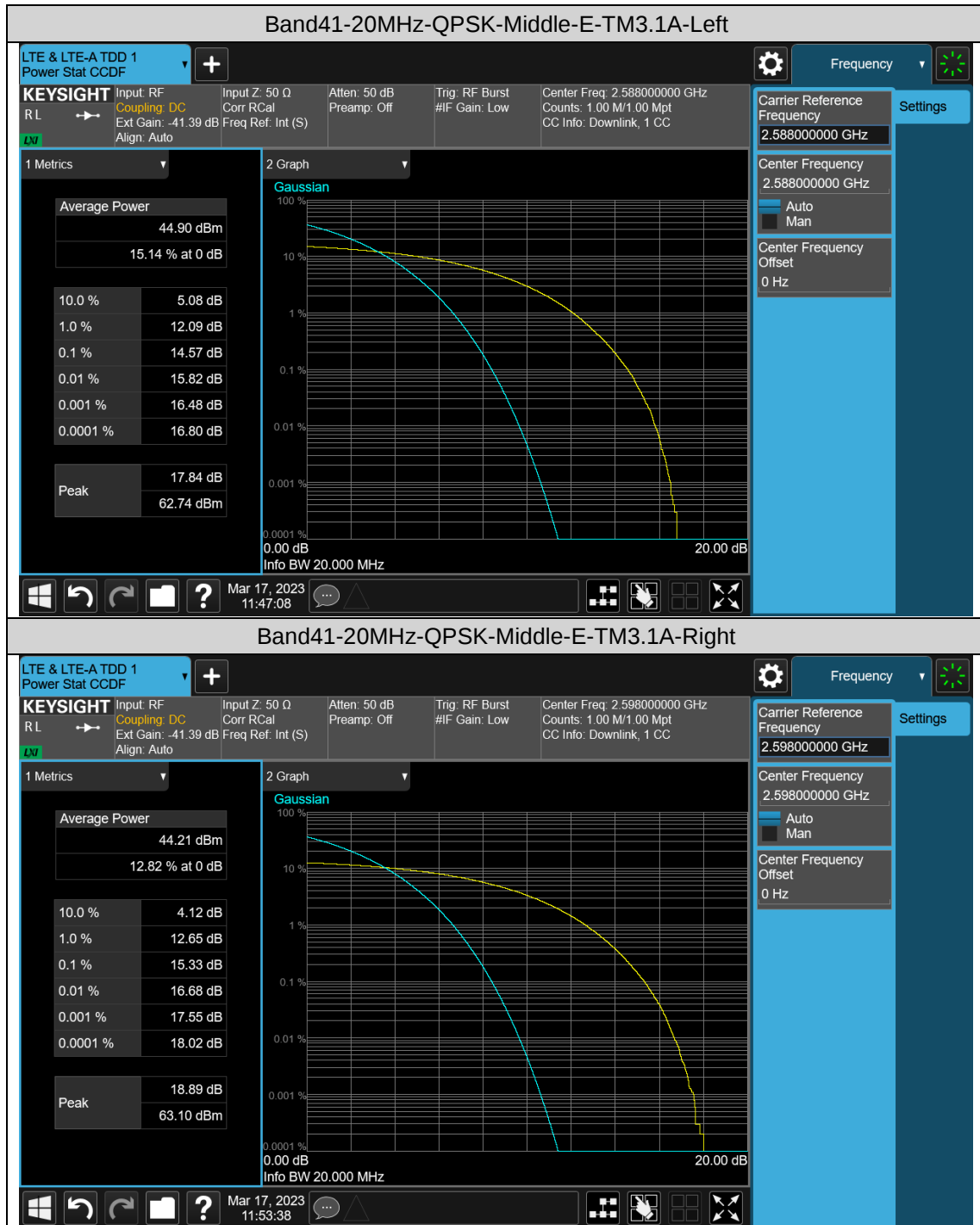
Test Graphs











LTE & LTE-A TDD 1
Power Stat CCDF

KEYSIGHT Input: RF
R/L → Coupling: DC
Ext Gain: -41.39 dB
Align: Auto

Input Z: 50 Ω
Corr RCal
Freq Ref: Int (S)

Atten: 50 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 2.588000000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: Downlink, 1 CC

Frequency

Carrier Reference Frequency
2.588000000 GHz

Center Frequency
2.588000000 GHz

Center Frequency Offset
0 Hz

Settings

1 Metrics

Average Power

44.21 dBm

12.82 % at 0 dB

10.0 %	4.12 dB
1.0 %	12.65 dB
0.1 %	15.33 dB
0.01 %	16.68 dB
0.001 %	17.55 dB
0.0001 %	18.02 dB

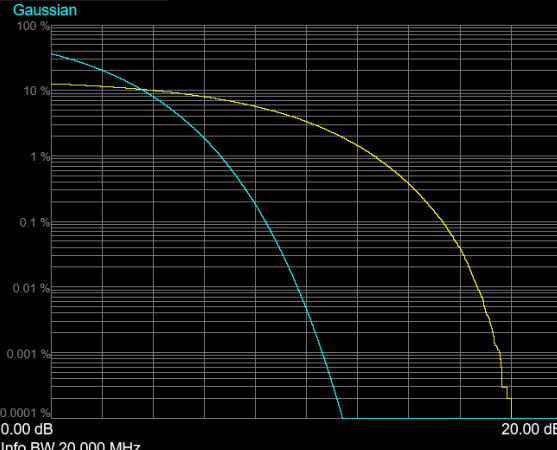
Peak

18.89 dB

63.10 dBm

2 Graph

Gaussian

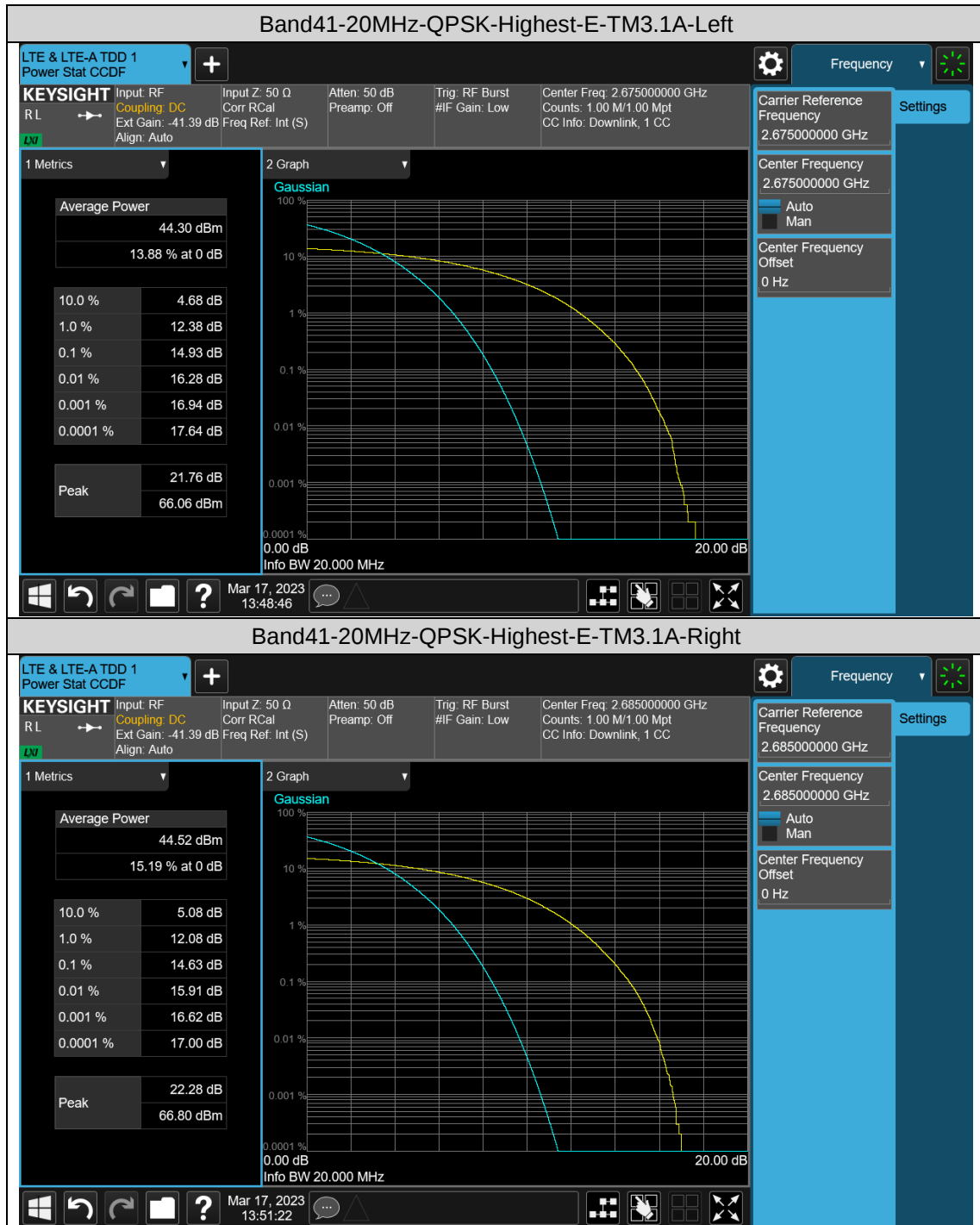


0.00 dB

20.00 dB

Info BW 20.000 MHz

Mar 17, 2023 11:53:38



2.3) 2CA:20M+20M Mode

Test Result

Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)Left	Result(dBm)Right
Band41	40MHz	QPSK	Lowest	E-TM1.1	14.13	14.41
Band41	40MHz	QPSK	Middle	E-TM1.1	14.23	14.50
Band41	40MHz	QPSK	Highest	E-TM1.1	12.68	13.07
Band41	40MHz	256QAM	Lowest	E-TM3.1A	13.78	14.67
Band41	40MHz	256QAM	Middle	E-TM3.1A	16.27	14.70
Band41	40MHz	256QAM	Highest	E-TM3.1A	14.44	14.10

Test Graphs

