

## Appendix A: Conducted Power Output Data

### 1) Test For ANT1 Test Result

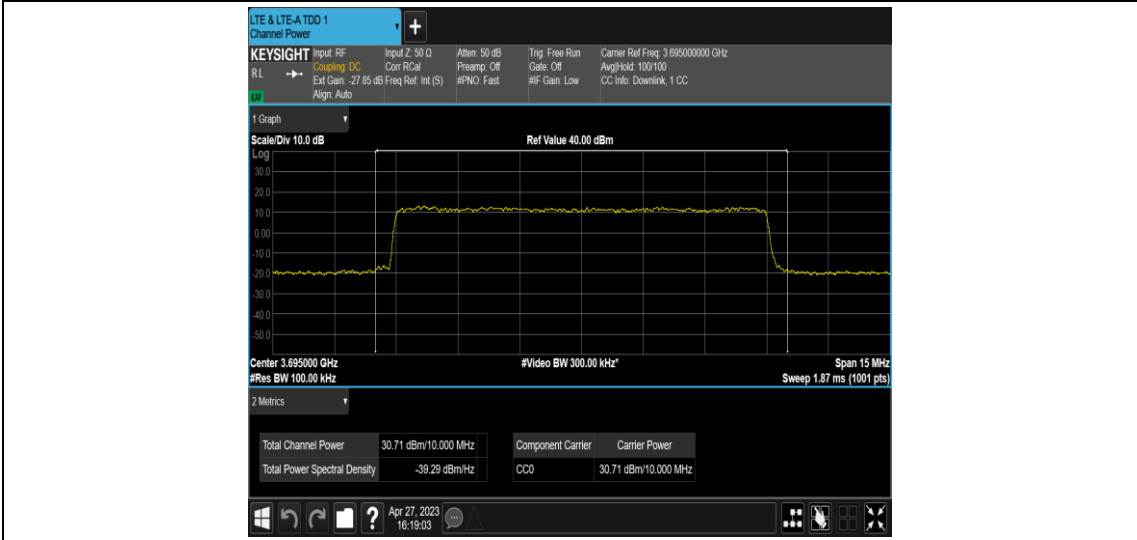
#### Test Result

Band	Bandwidth	Modulation	Channel	Mode	IntegBw (MHz)	Power (dBm/10MHz)
Band48	10MHz	QPSK	55290	E-TM1.1	10	31.13
Band48	10MHz	QPSK	55990	E-TM1.1	10	31.47
Band48	10MHz	QPSK	56690	E-TM1.1	10	30.71
Band48	10MHz	256QAM	55290	E-TM3.1A	10	31.20
Band48	10MHz	256QAM	55990	E-TM3.1A	10	31.47
Band48	10MHz	256QAM	56690	E-TM3.1A	10	31.02
Band48	20MHz	QPSK	55340	E-TM1.1	10	30.55
Band48	20MHz	QPSK	55990	E-TM1.1	10	31.42
Band48	20MHz	QPSK	56640	E-TM1.1	10	31.57
Band48	20MHz	256QAM	55340	E-TM3.1A	10	30.71
Band48	20MHz	256QAM	55990	E-TM3.1A	10	31.44
Band48	20MHz	256QAM	56640	E-TM3.1A	10	31.63

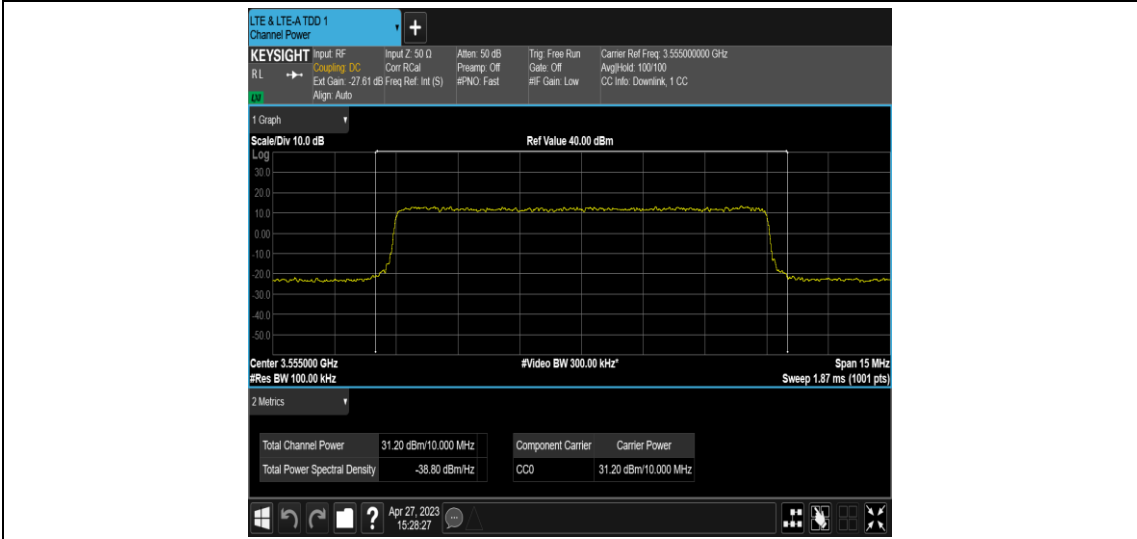
Band	Bandwidth	Modulation	Channel	Mode	IntegBw (MHz)	Power (dBm/20MHz)
Band48	20MHz	QPSK	55340	E-TM1.1	20	33.40
Band48	20MHz	QPSK	55990	E-TM1.1	20	34.48
Band48	20MHz	QPSK	56640	E-TM1.1	20	34.05
Band48	20MHz	256QAM	55340	E-TM3.1A	20	33.34
Band48	20MHz	256QAM	55990	E-TM3.1A	20	34.53
Band48	20MHz	256QAM	56640	E-TM3.1A	20	34.12

## Test Graphs

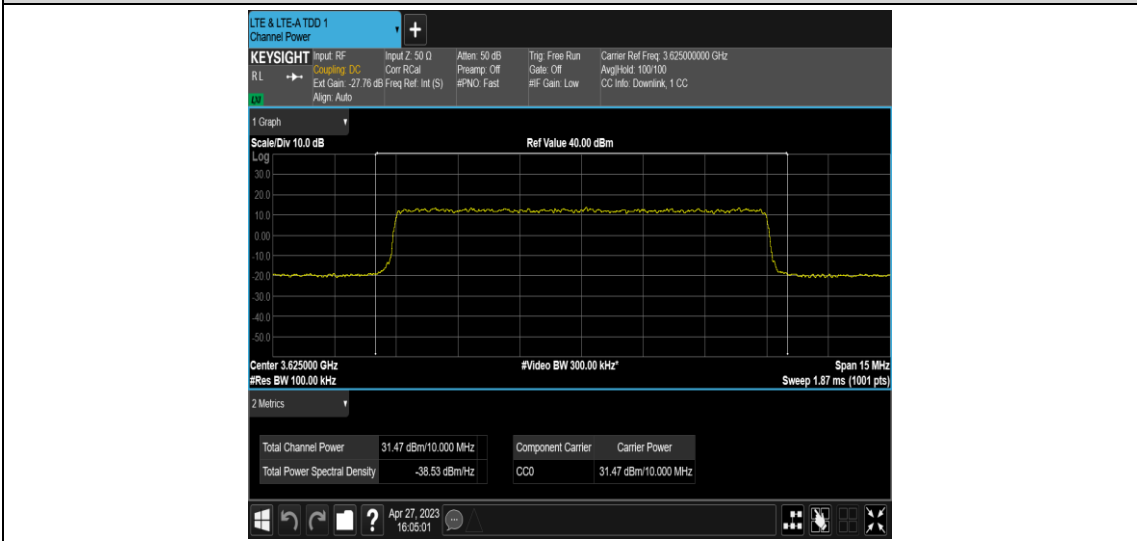




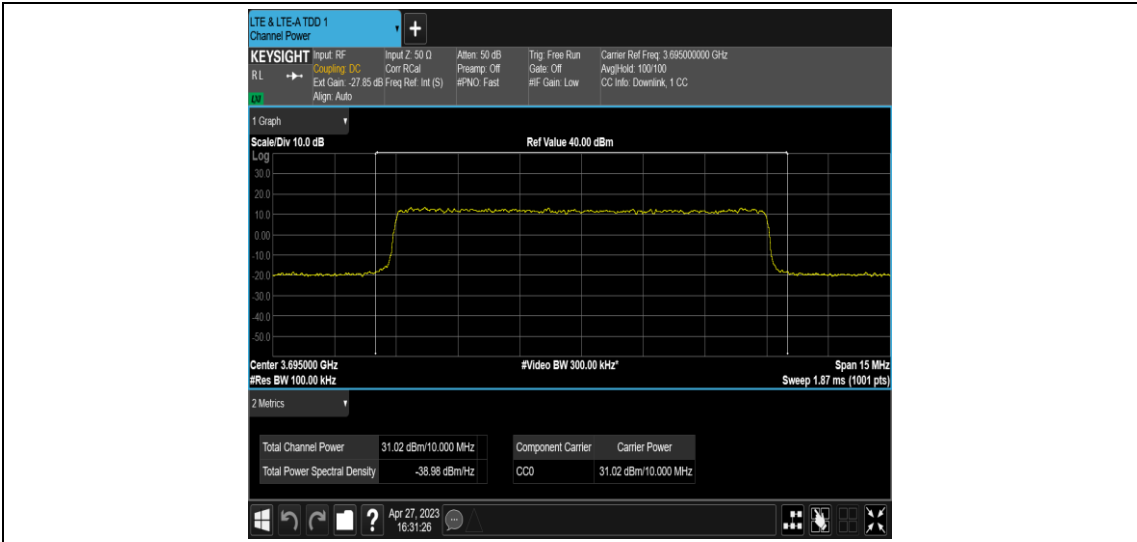
Band48-10MHz-256QAM-55290-E-TM3.1A-10



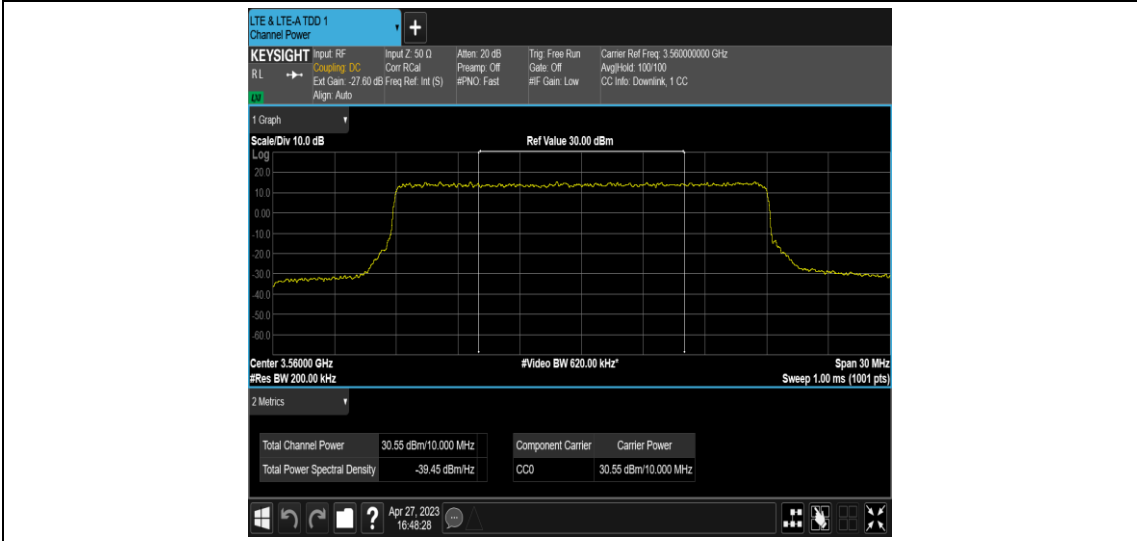
Band48-10MHz-256QAM-55990-E-TM3.1A-10



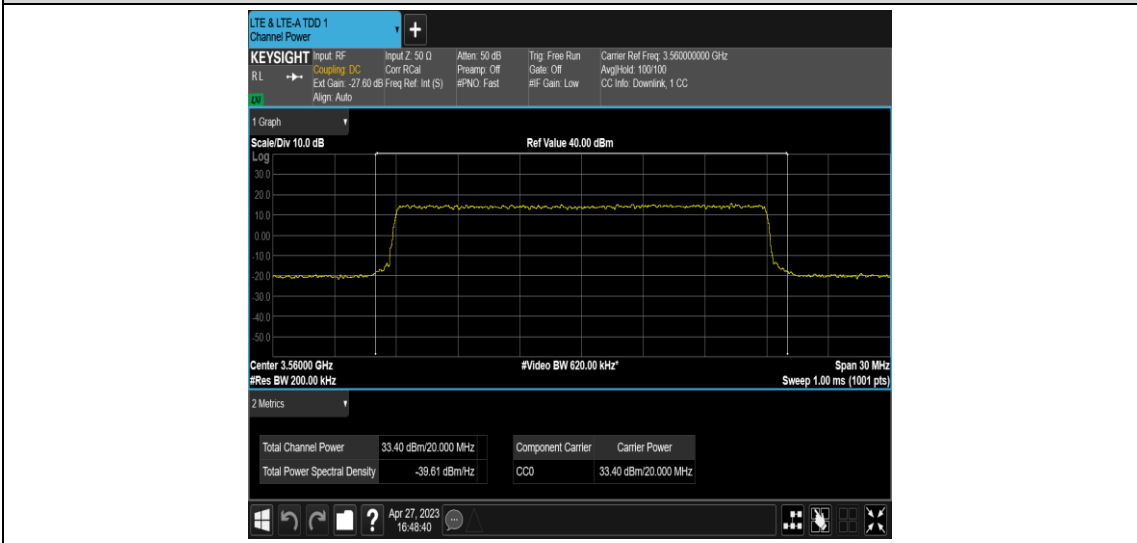
Band48-10MHz-256QAM-56690-E-TM3.1A-10



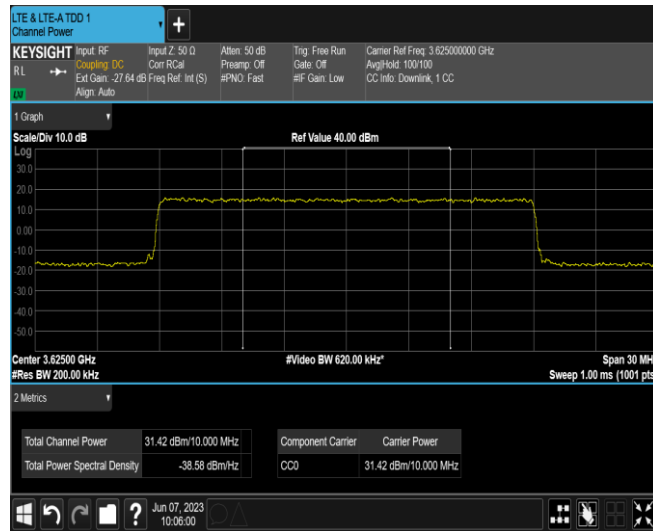
Band48-20MHz-QPSK-55340-E-TM1.1-10



Band48-20MHz-QPSK-55340-E-TM1.1-20



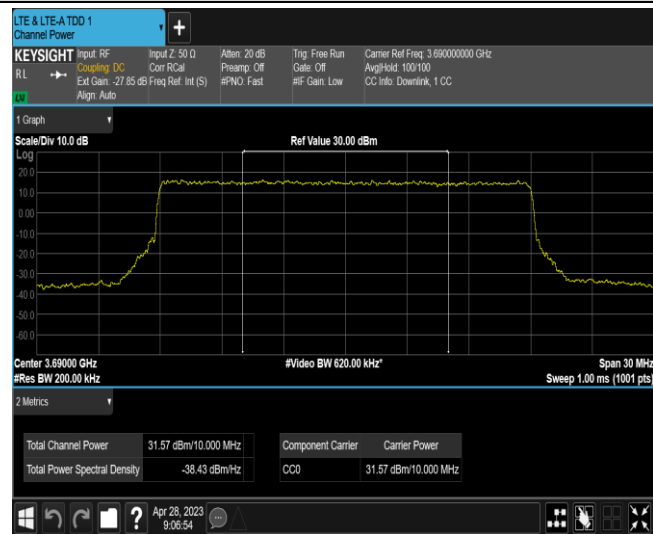
Band48-20MHz-QPSK-55990-E-TM1.1-10



Band48-20MHz-QPSK-55990-E-TM1.1-20



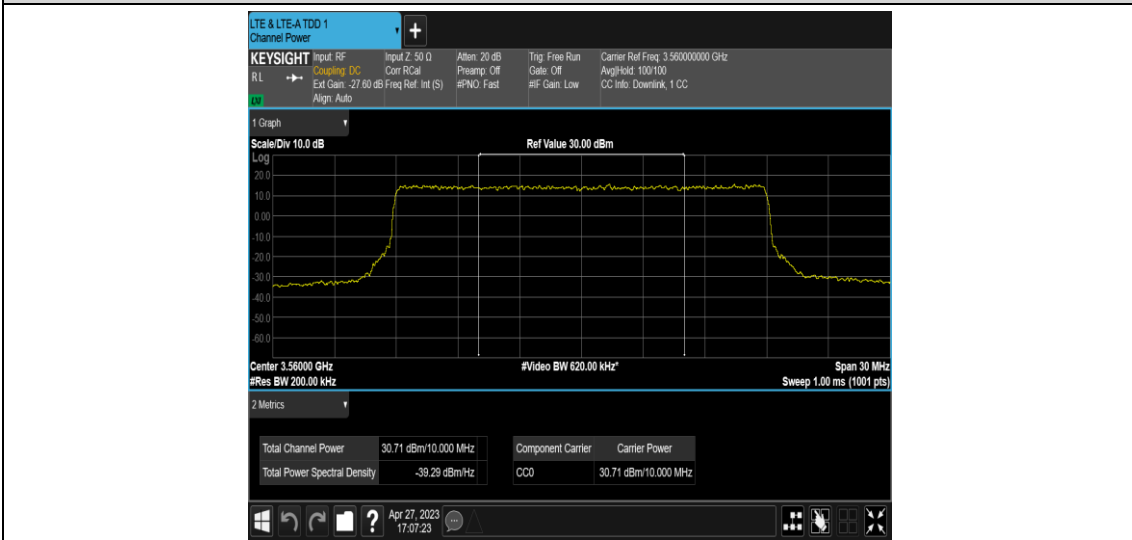
Band48-20MHz-QPSK-56640-E-TM1.1-10



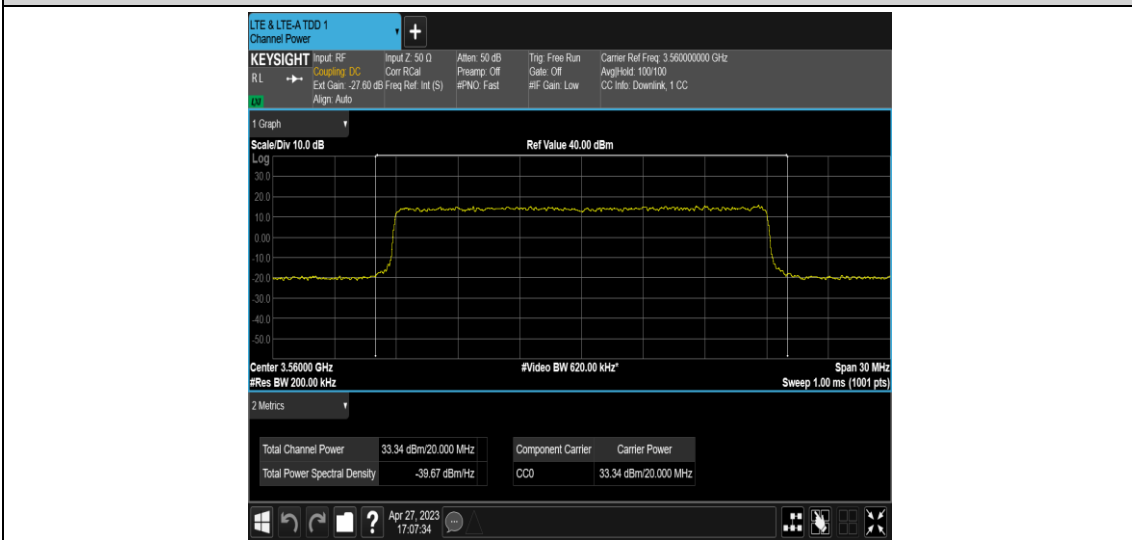
Band48-20MHz-QPSK-56640-E-TM1.1-20



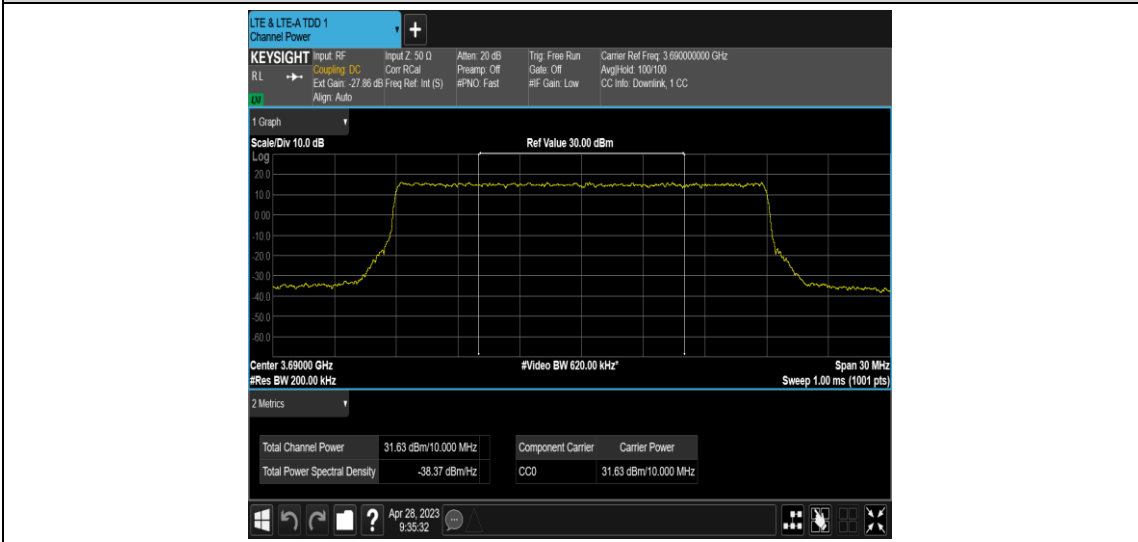
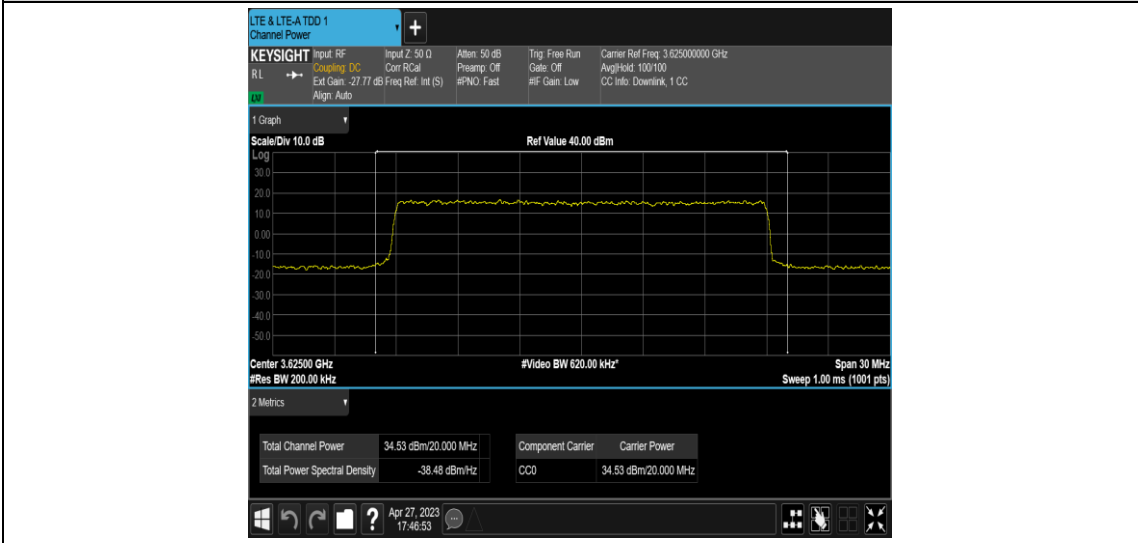
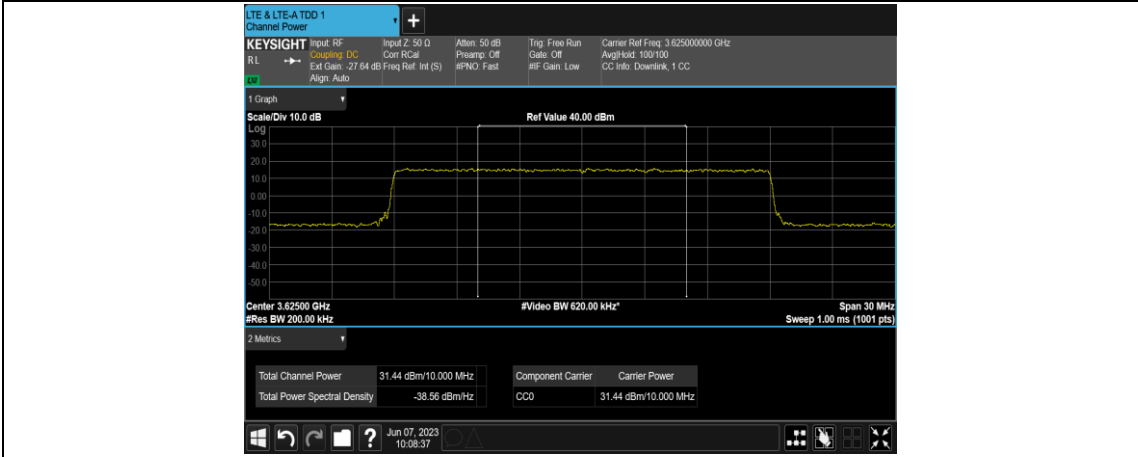
Band48-20MHz-256QAM-55340-E-TM3.1A-10

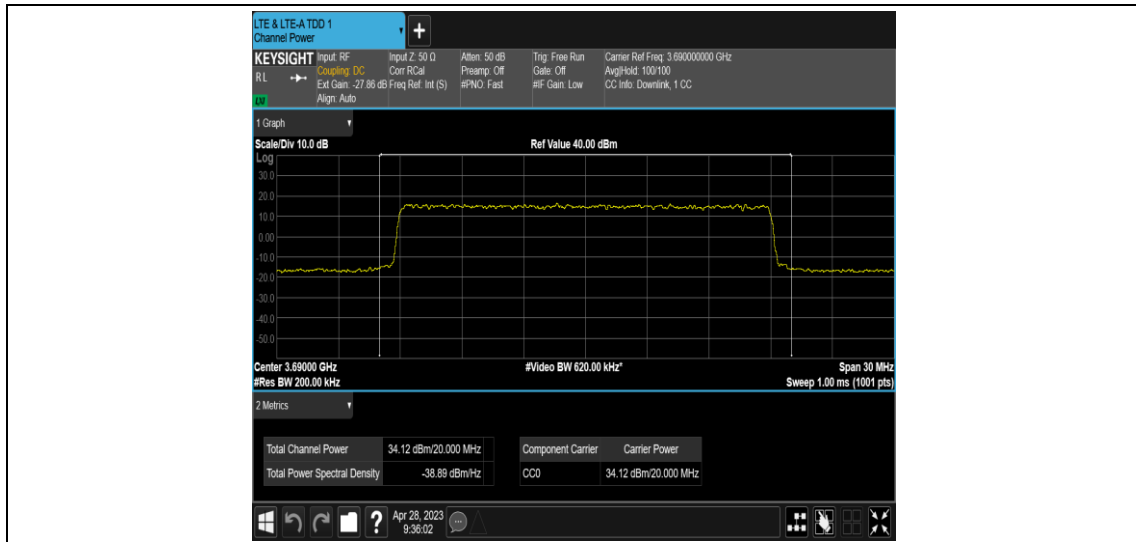


Band48-20MHz-256QAM-55340-E-TM3.1A-20



Band48-20MHz-256QAM-55990-E-TM3.1A-10







## 2) Test For ANT2 Test Result

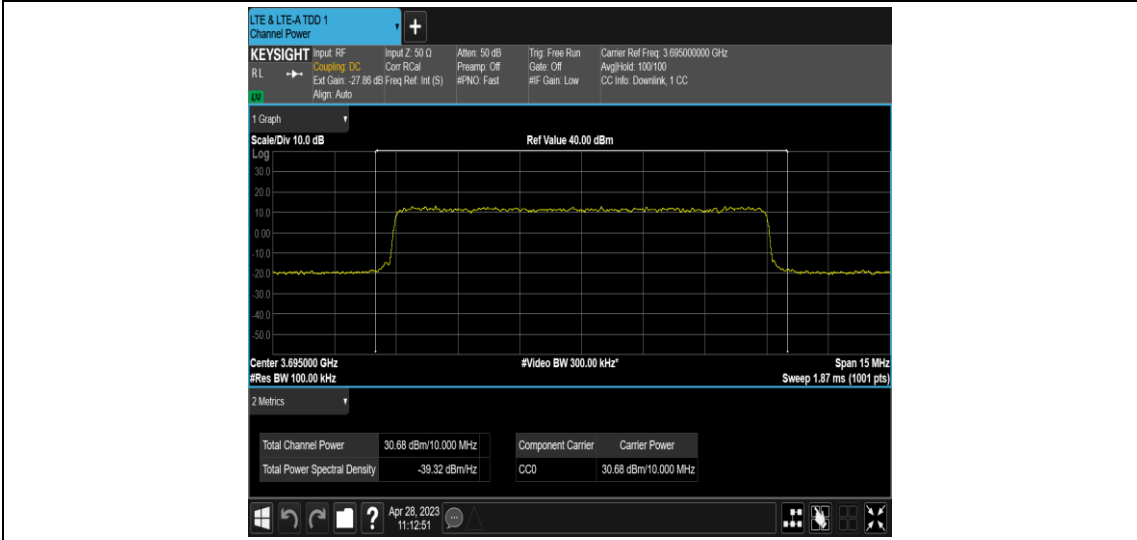
### Test Result

Band	Bandwidth	Modulation	Channel	Mode	IntegBw (MHz)	Power (dBm/10MHz)
Band48	10MHz	QPSK	55290	E-TM1.1	10	31.32
Band48	10MHz	QPSK	55990	E-TM1.1	10	31.36
Band48	10MHz	QPSK	56690	E-TM1.1	10	30.68
Band48	10MHz	256QAM	55290	E-TM3.1A	10	31.14
Band48	10MHz	256QAM	55990	E-TM3.1A	10	31.35
Band48	10MHz	256QAM	56690	E-TM3.1A	10	30.21
Band48	20MHz	QPSK	55340	E-TM1.1	10	31.77
Band48	20MHz	QPSK	55990	E-TM1.1	10	31.27
Band48	20MHz	QPSK	56640	E-TM1.1	10	30.86
Band48	20MHz	256QAM	55340	E-TM3.1A	10	31.55
Band48	20MHz	256QAM	55990	E-TM3.1A	10	31.29
Band48	20MHz	256QAM	56640	E-TM3.1A	10	31.06

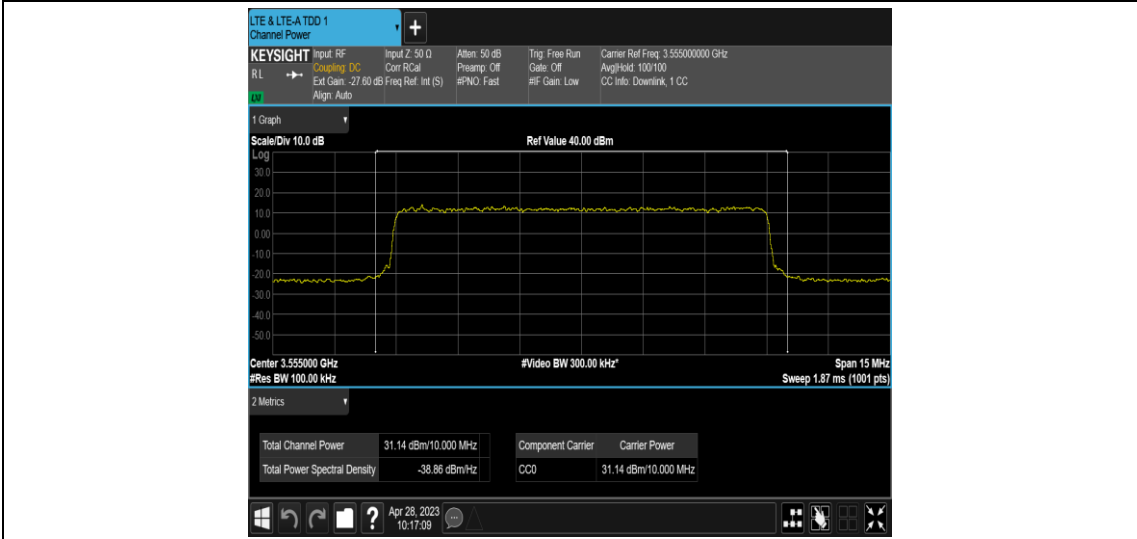
Band	Bandwidth	Modulation	Channel	Mode	IntegBw (MHz)	Power (dBm/20MHz)
Band48	20MHz	QPSK	55340	E-TM1.1	20	34.36
Band48	20MHz	QPSK	55990	E-TM1.1	20	33.84
Band48	20MHz	QPSK	56640	E-TM1.1	20	33.44
Band48	20MHz	256QAM	55340	E-TM3.1A	20	34.26
Band48	20MHz	256QAM	55990	E-TM3.1A	20	34.28
Band48	20MHz	256QAM	56640	E-TM3.1A	20	33.40

Test Graphs

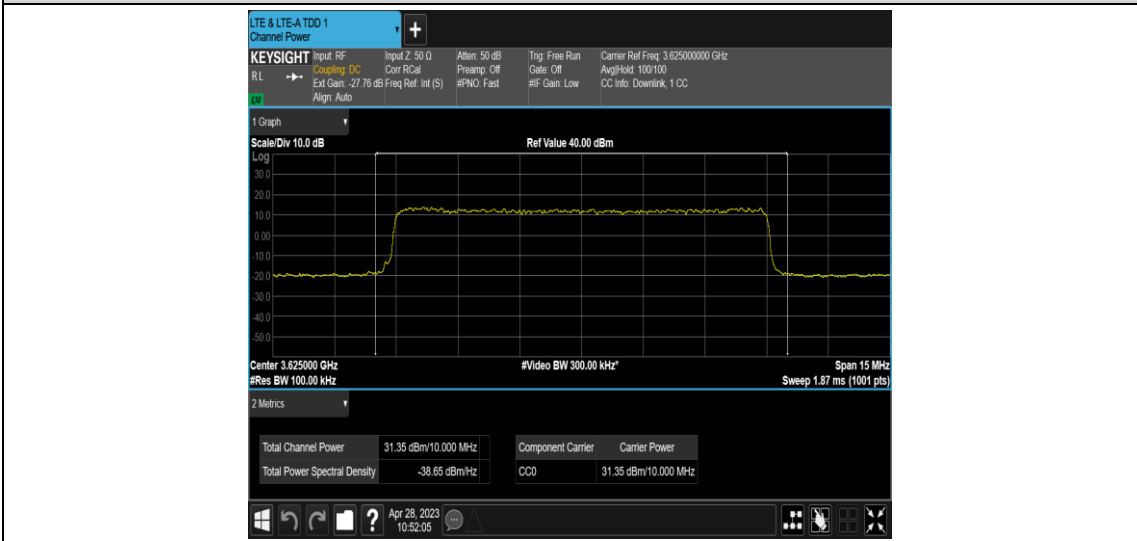




Band48-10MHz-256QAM-55290-E-TM3.1A-10



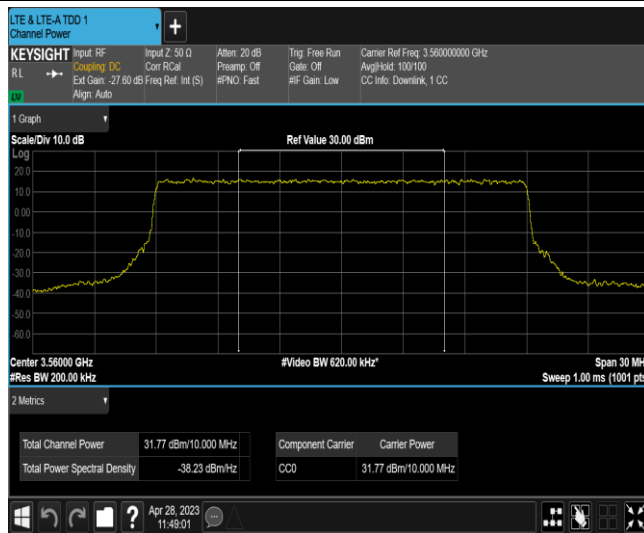
Band48-10MHz-256QAM-55990-E-TM3.1A-10



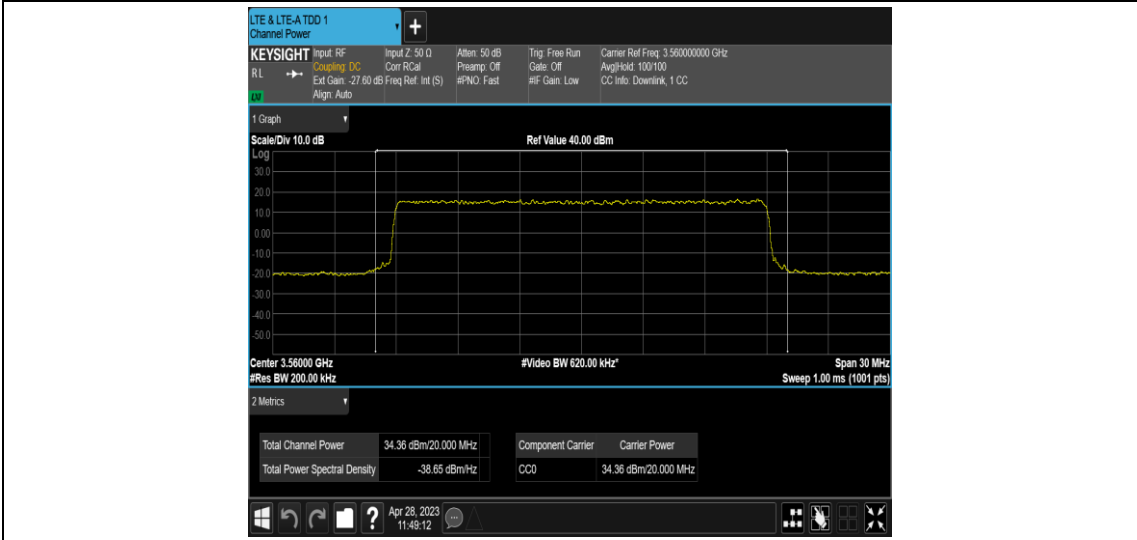
Band48-10MHz-256QAM-56690-E-TM3.1A-10



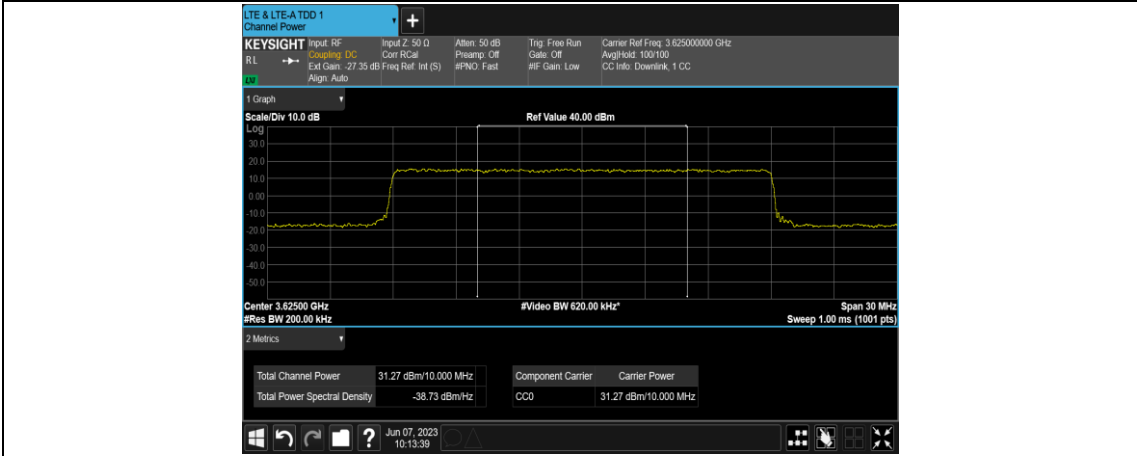
Band48-20MHz-QPSK-55340-E-TM1.1-10



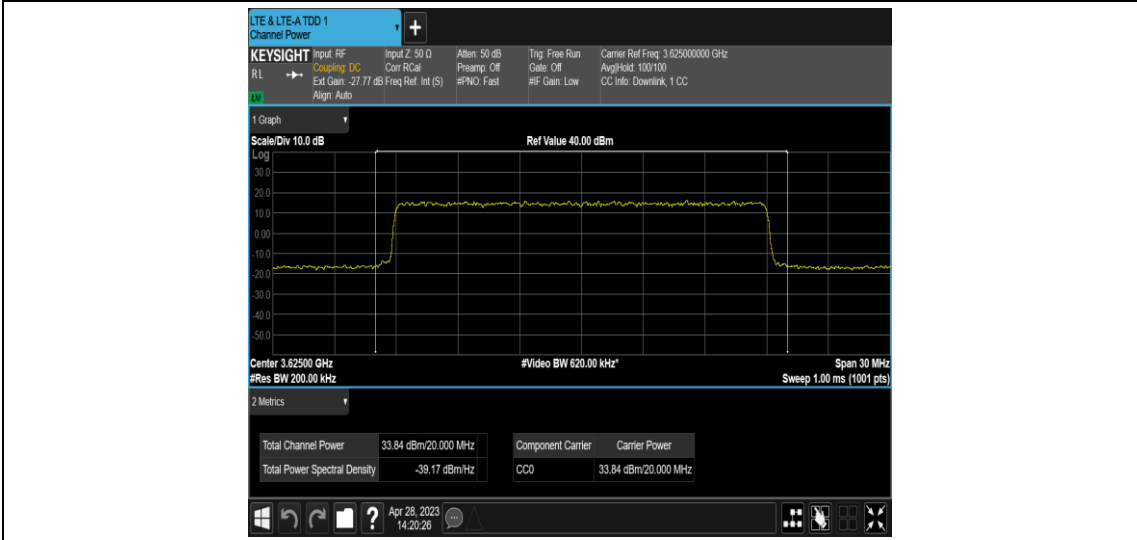
Band48-20MHz-QPSK-55340-E-TM1.1-20



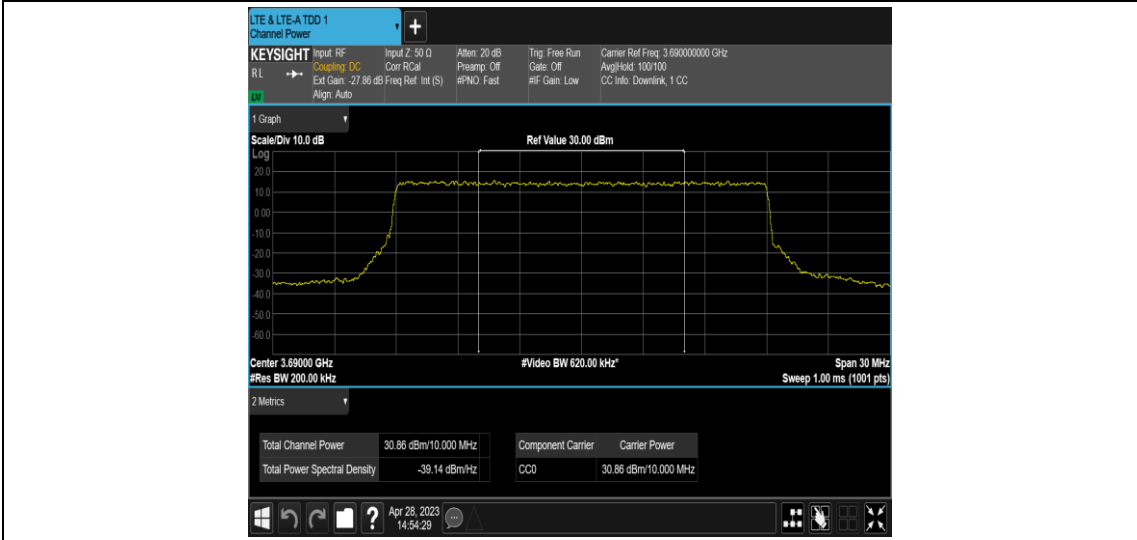
Band48-20MHz-QPSK-55990-E-TM1.1-10



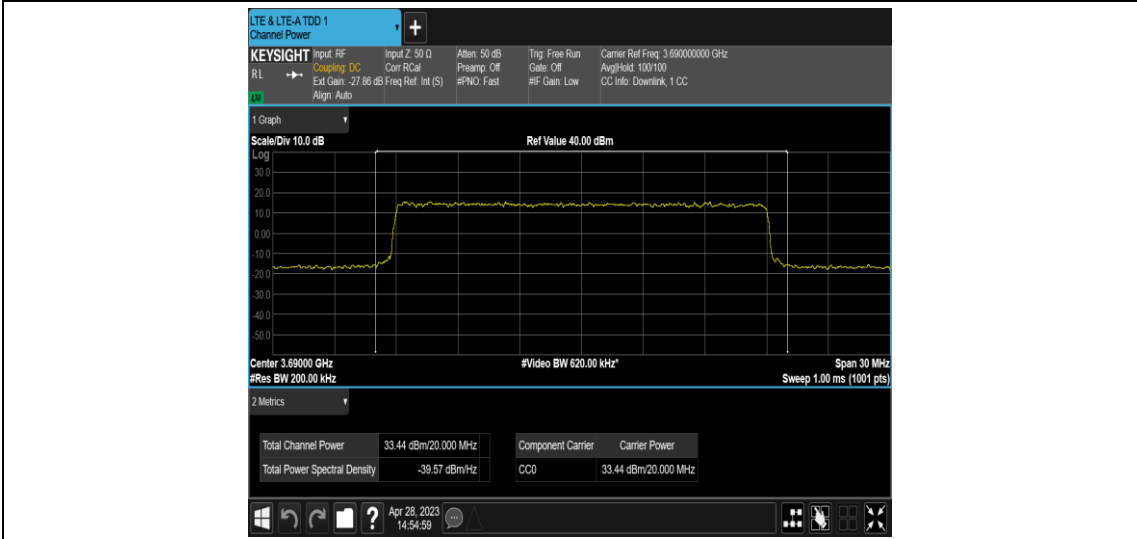
Band48-20MHz-QPSK-55990-E-TM1.1-20



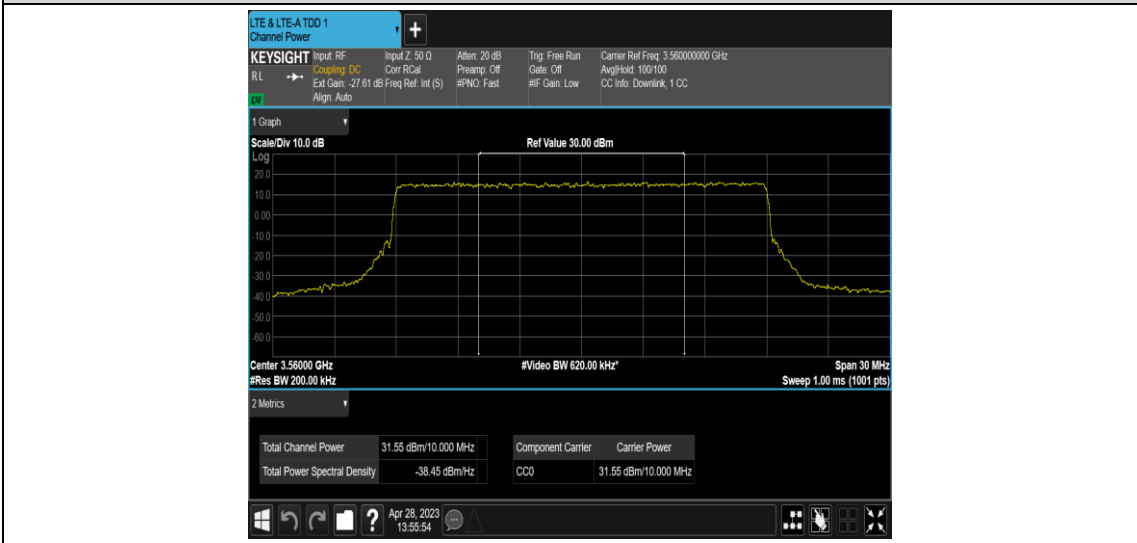
Band48-20MHz-QPSK-56640-E-TM1.1-10



Band48-20MHz-QPSK-56640-E-TM1.1-20



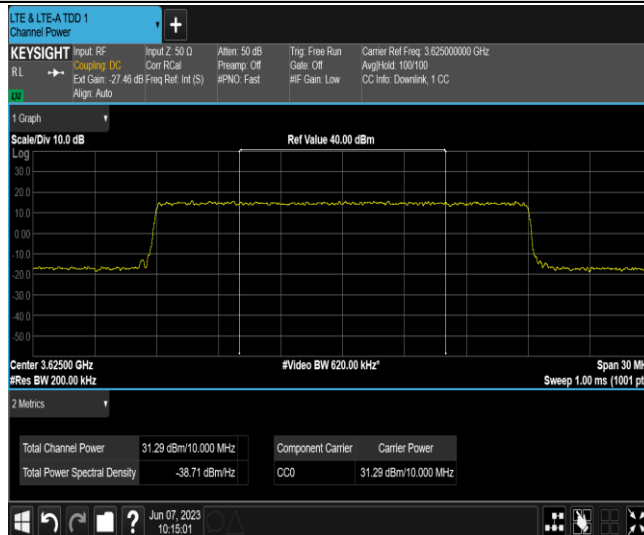
Band48-20MHz-256QAM-55340-E-TM3.1A-10



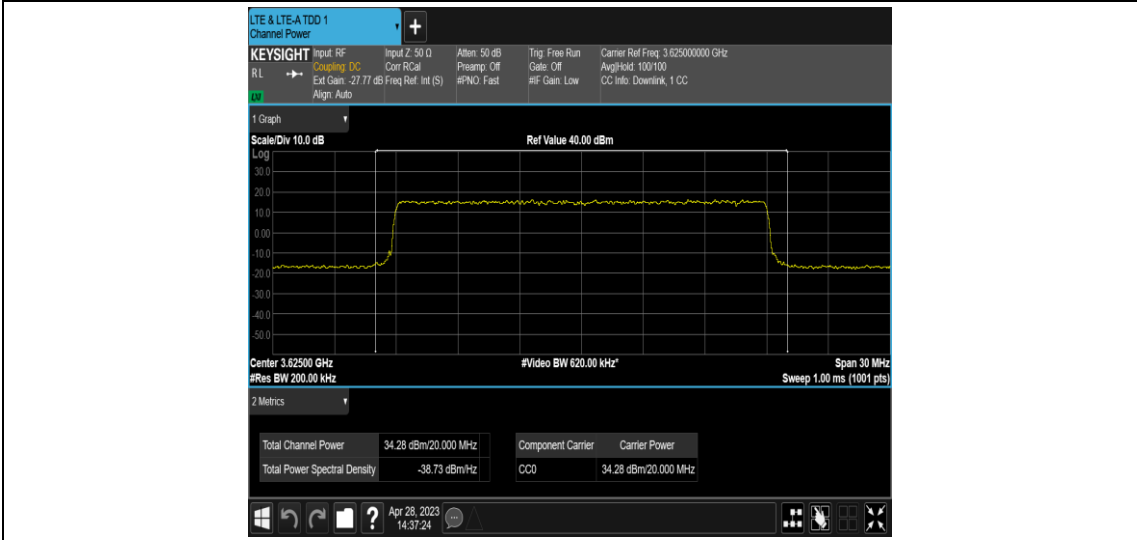
Band48-20MHz-256QAM-55340-E-TM3.1A-20



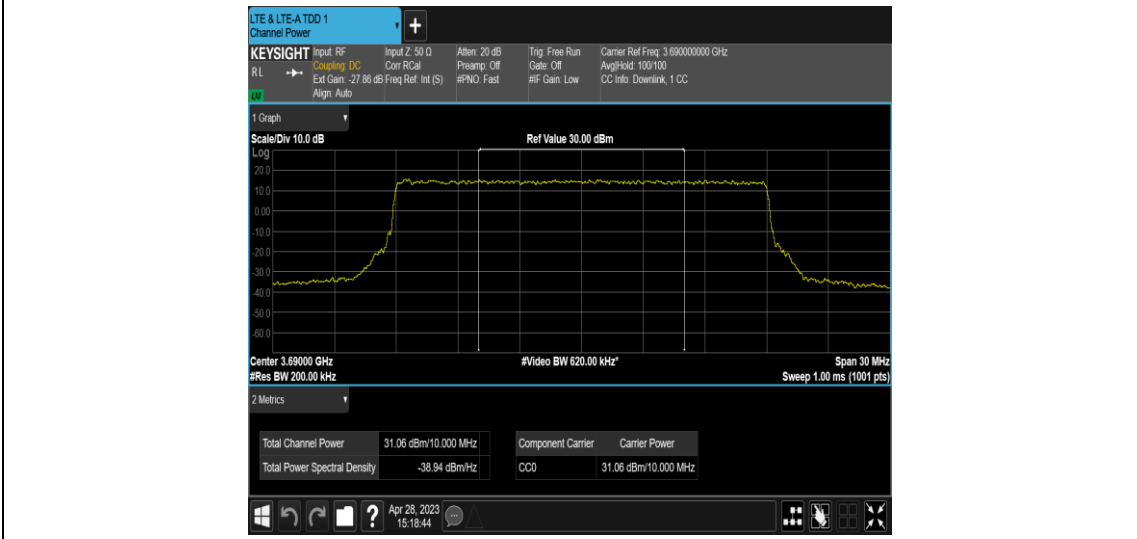
Band48-20MHz-256QAM-55990-E-TM3.1A-10



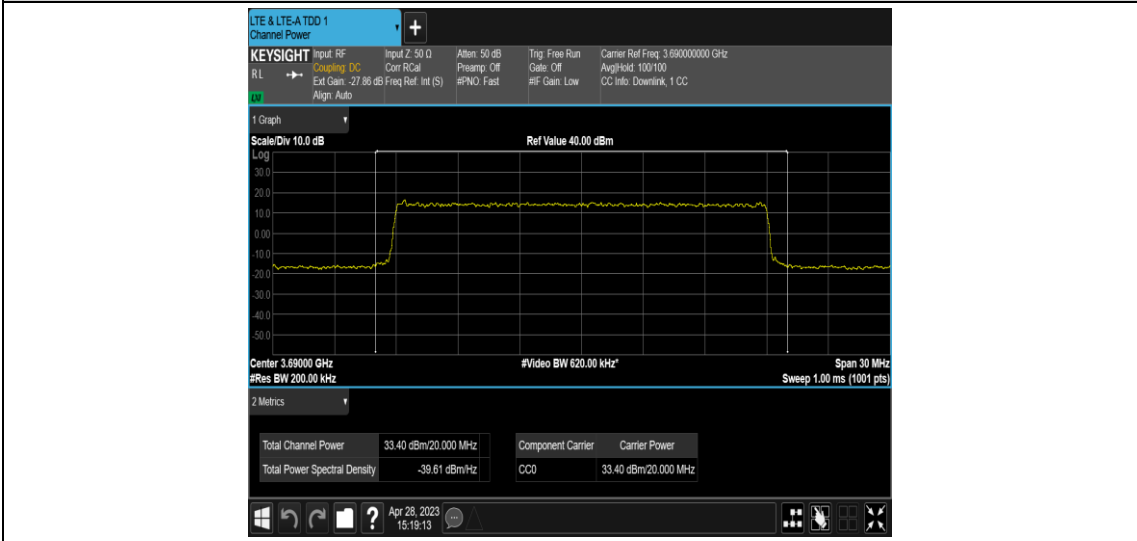
Band48-20MHz-256QAM-55990-E-TM3.1A-20



Band48-20MHz-256QAM-56640-E-TM3.1A-10



Band48-20MHz-256QAM-56640-E-TM3.1A-20





### 3) Test For ANT3 Test Result

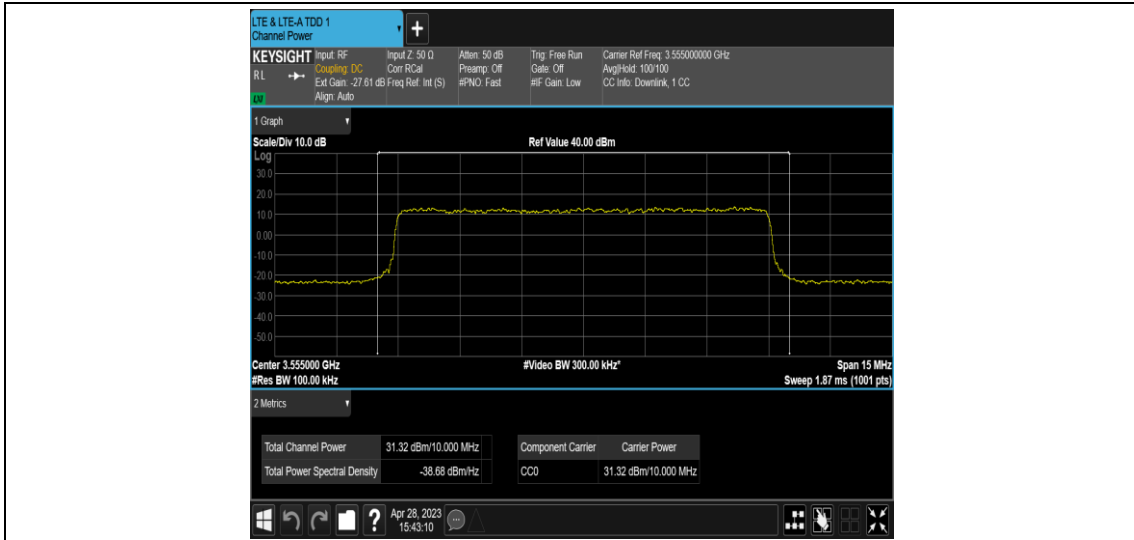
#### Test Result

Band	Bandwidth	Modulation	Channel	Mode	IntegBw (MHz)	Power (dBm/10MHz)
Band48	10MHz	QPSK	55290	E-TM1.1	10	31.32
Band48	10MHz	QPSK	55990	E-TM1.1	10	30.54
Band48	10MHz	QPSK	56690	E-TM1.1	10	30.70
Band48	10MHz	256QAM	55290	E-TM3.1A	10	31.46
Band48	10MHz	256QAM	55990	E-TM3.1A	10	30.62
Band48	10MHz	256QAM	56690	E-TM3.1A	10	31.09
Band48	20MHz	QPSK	55340	E-TM1.1	10	31.35
Band48	20MHz	QPSK	55990	E-TM1.1	10	31.26
Band48	20MHz	QPSK	56640	E-TM1.1	10	31.38
Band48	20MHz	256QAM	55340	E-TM3.1A	10	31.26
Band48	20MHz	256QAM	55990	E-TM3.1A	10	31.34
Band48	20MHz	256QAM	56640	E-TM3.1A	10	31.44

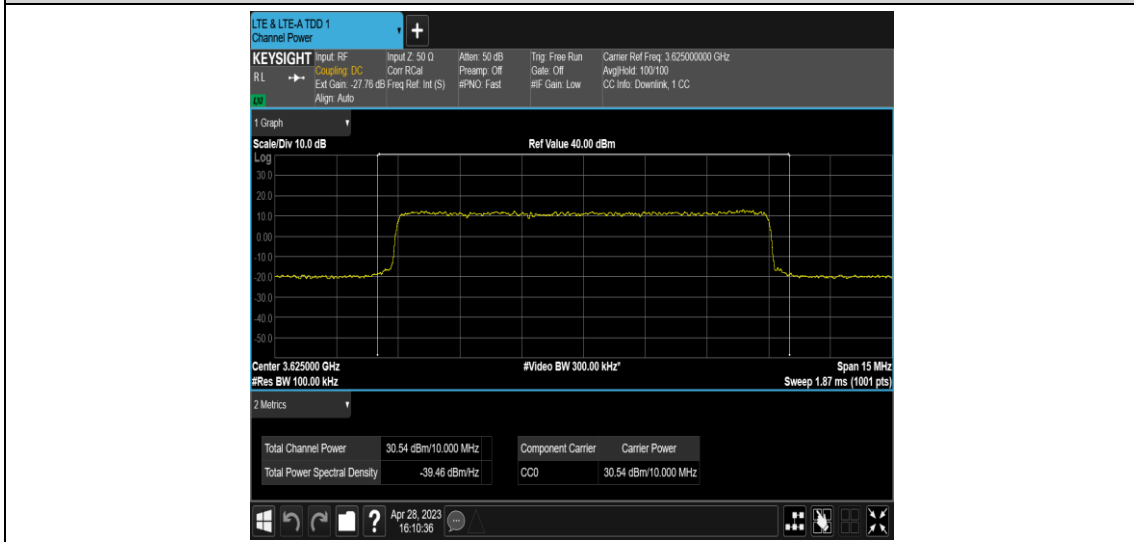
Band	Bandwidth	Modulation	Channel	Mode	IntegBw (MHz)	Power (dBm/20MHz)
Band48	20MHz	QPSK	55340	E-TM1.1	20	34.51
Band48	20MHz	QPSK	55990	E-TM1.1	20	34.37
Band48	20MHz	QPSK	56640	E-TM1.1	20	34.18
Band48	20MHz	256QAM	55340	E-TM3.1A	20	34.43
Band48	20MHz	256QAM	55990	E-TM3.1A	20	34.01
Band48	20MHz	256QAM	56640	E-TM3.1A	20	34.39

#### Test Graphs

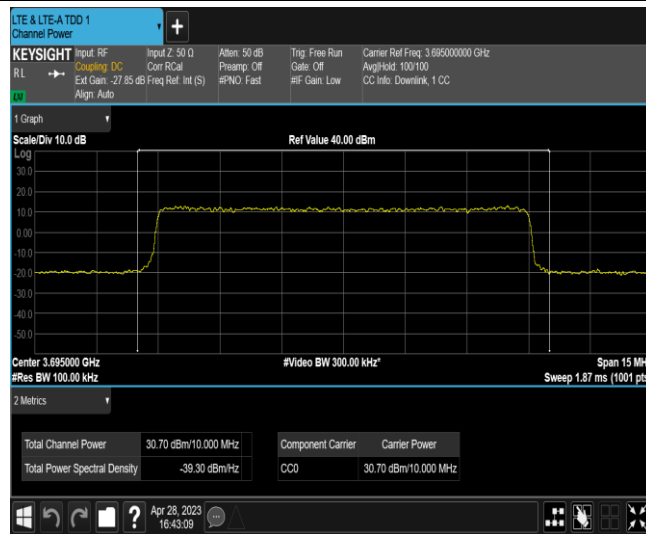
Band48-10MHz-QPSK-55290-E-TM1.1-10



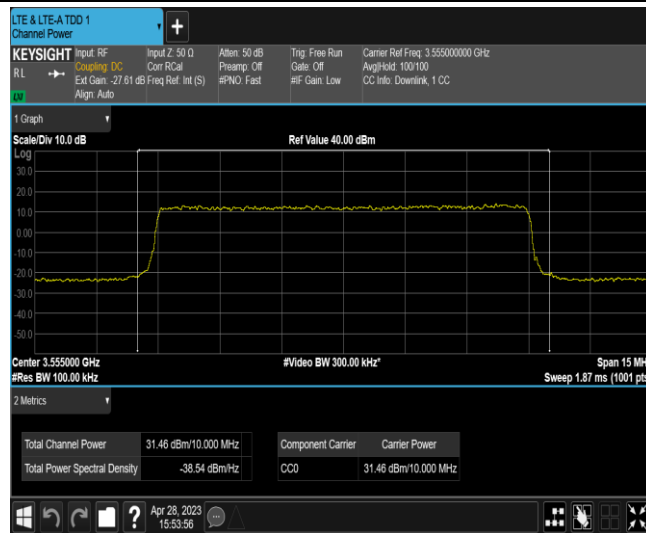
Band48-10MHz-QPSK-55990-E-TM1.1-10



Band48-10MHz-QPSK-56690-E-TM1.1-10



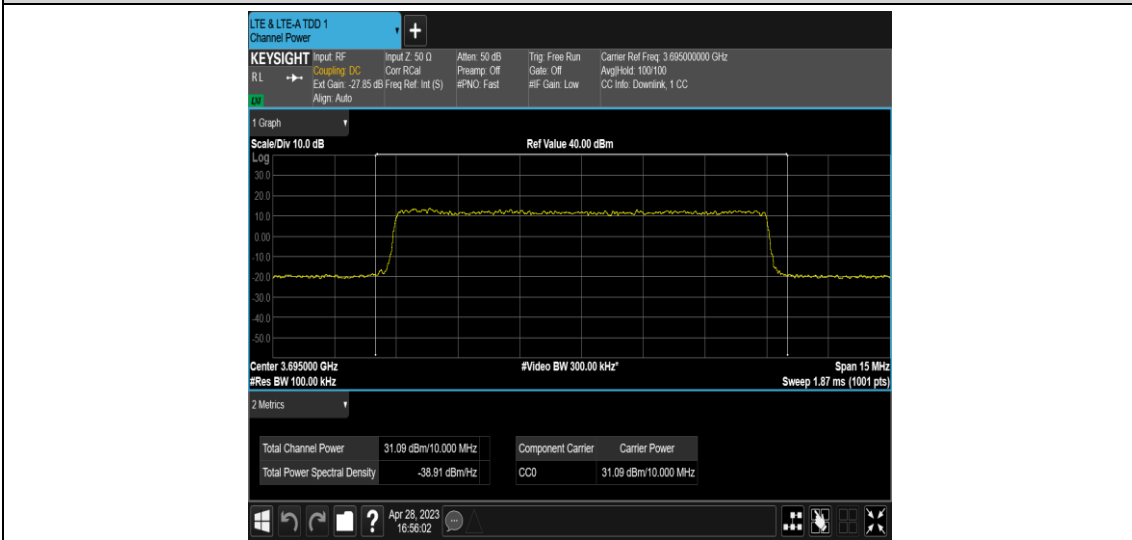
Band48-10MHz-256QAM-55290-E-TM3.1A-10



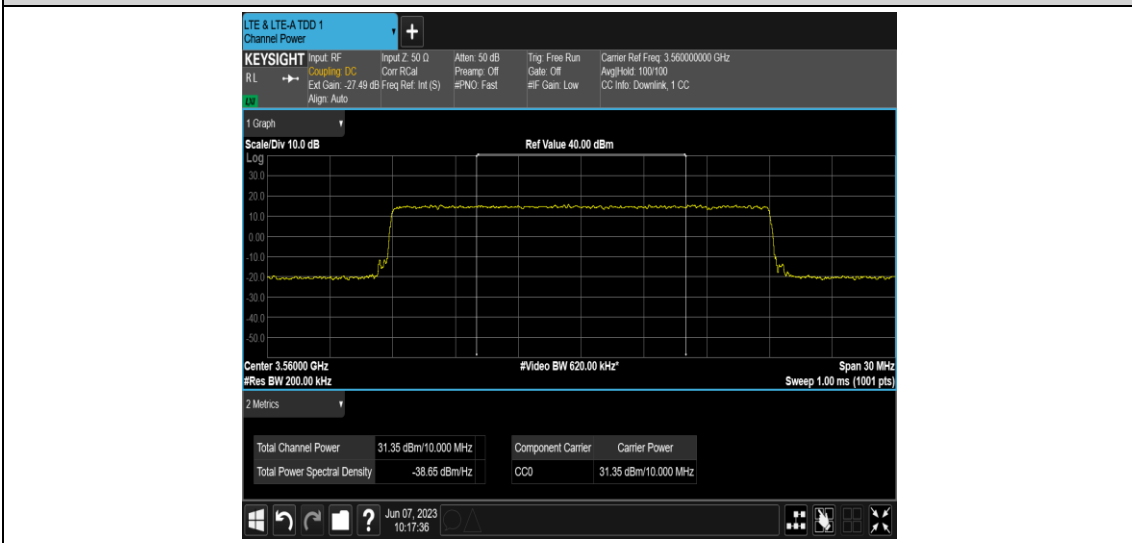
Band48-10MHz-256QAM-55990-E-TM3.1A-10



Band48-10MHz-256QAM-56690-E-TM3.1A-10



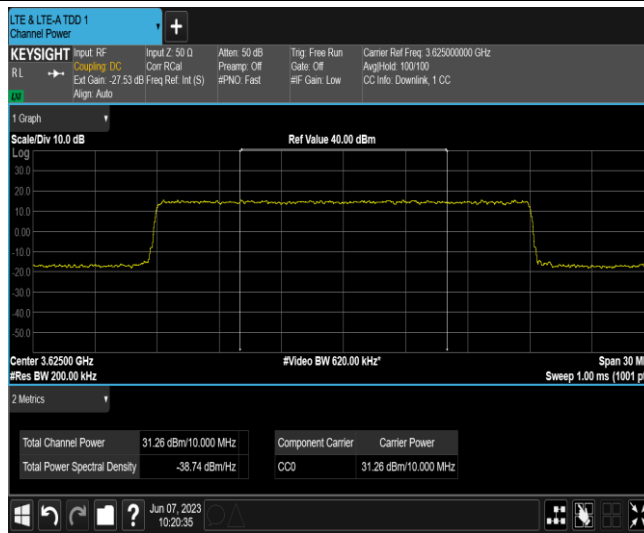
Band48-20MHz-QPSK-55340-E-TM1.1-10



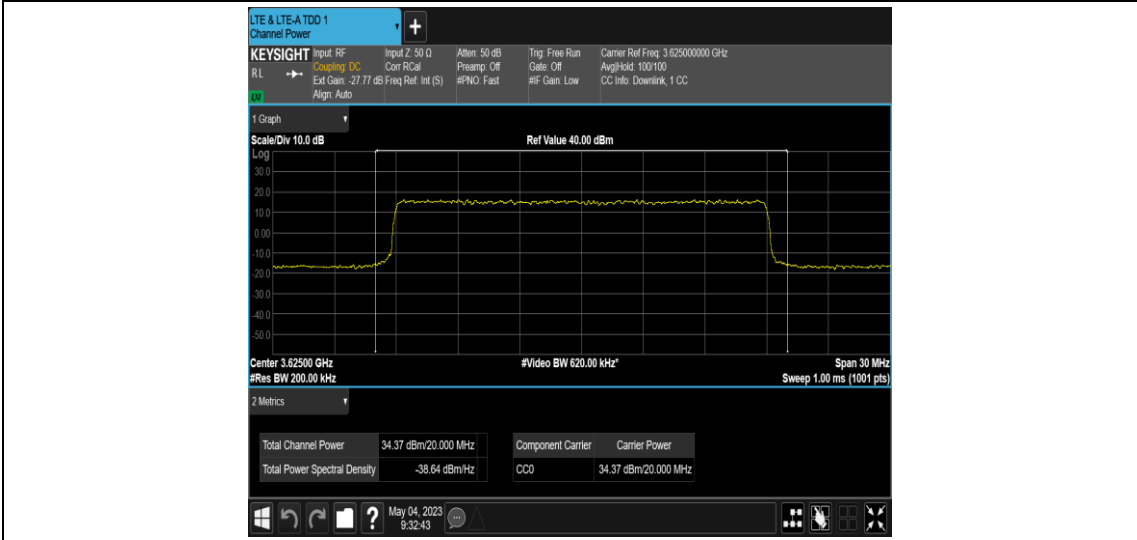
Band48-20MHz-QPSK-55340-E-TM1.1-20



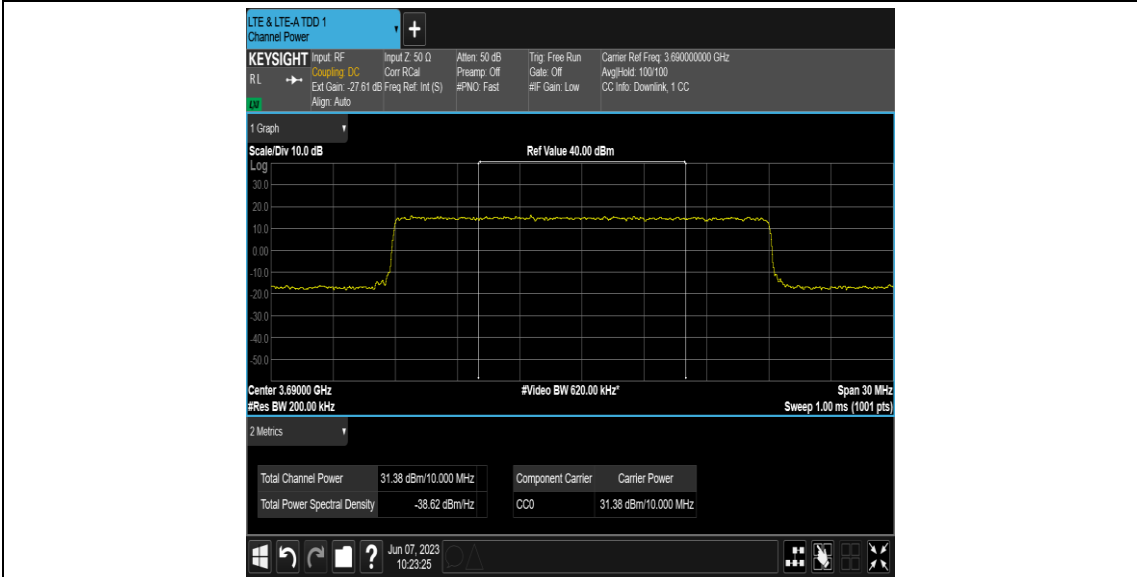
Band48-20MHz-QPSK-55990-E-TM1.1-10



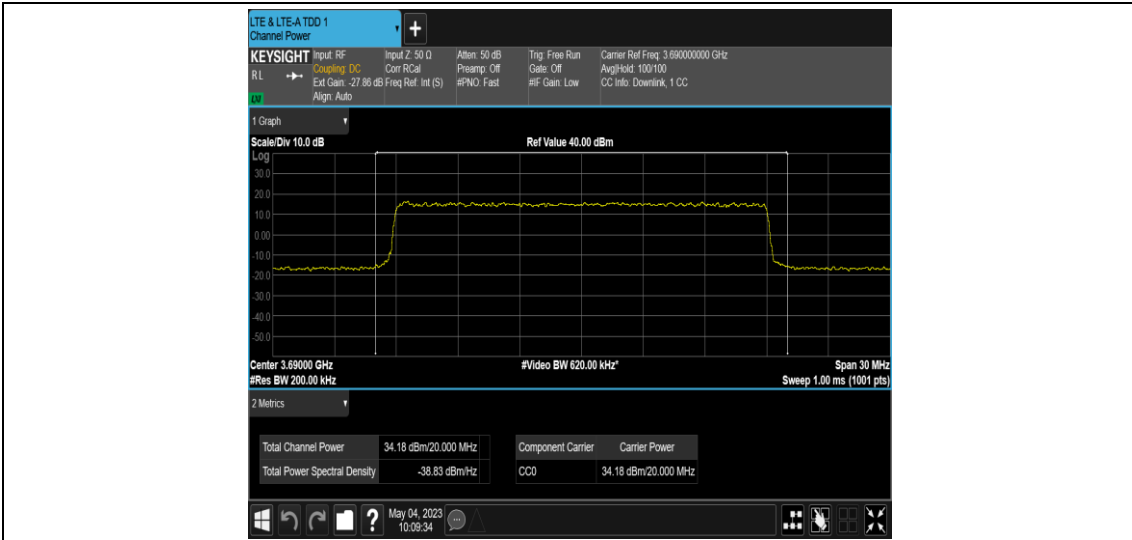
Band48-20MHz-QPSK-55990-E-TM1.1-20



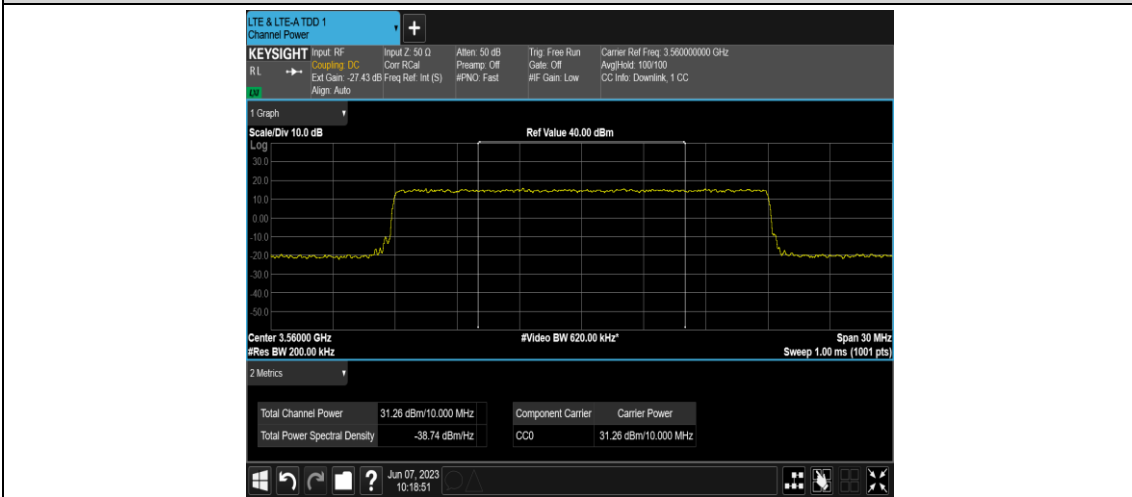
Band48-20MHz-QPSK-56640-E-TM1.1-10



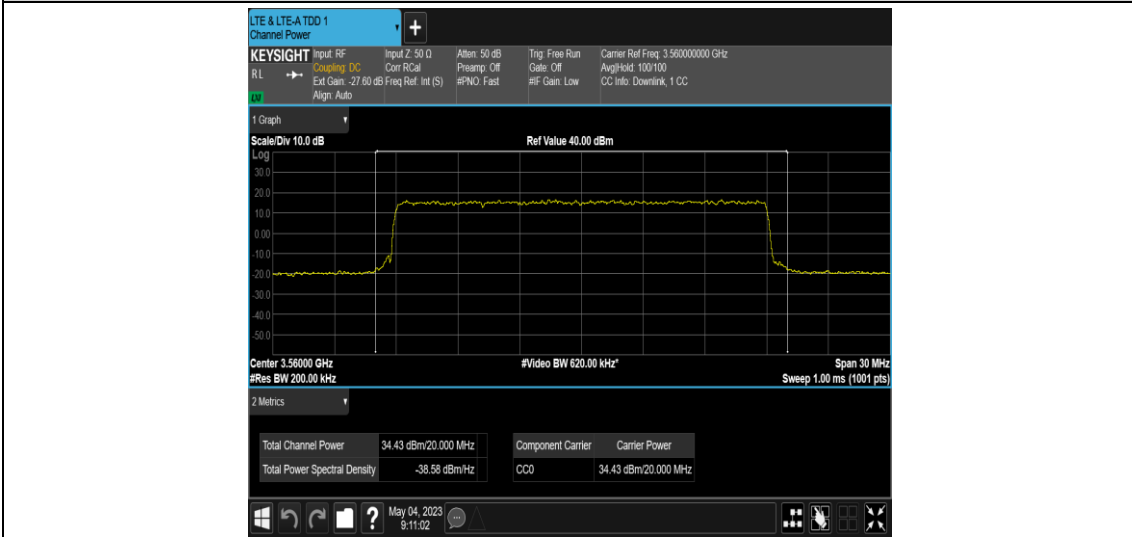
Band48-20MHz-QPSK-56640-E-TM1.1-20



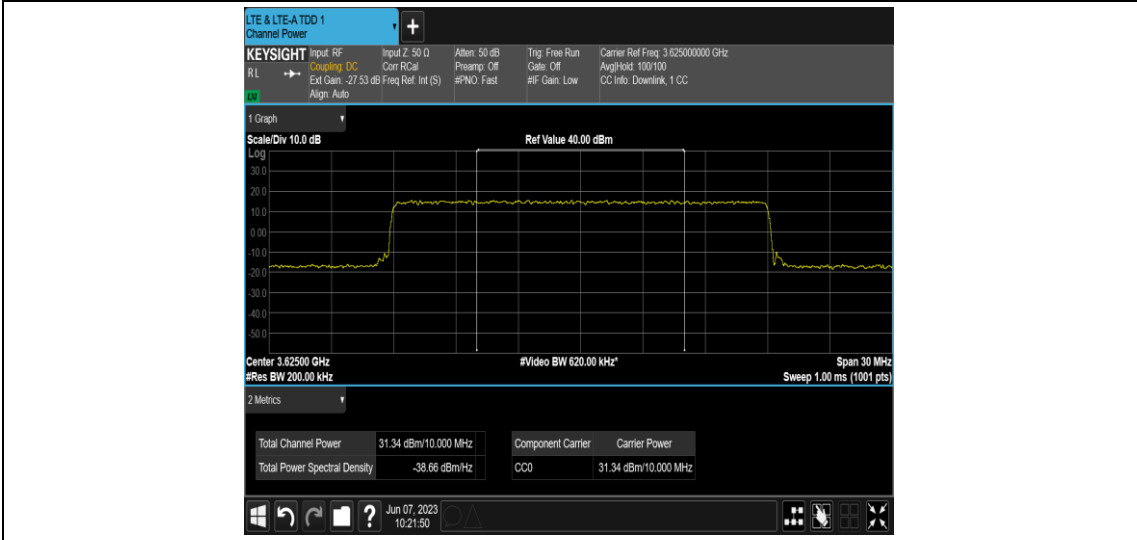
Band48-20MHz-256QAM-55340-E-TM3.1A-10



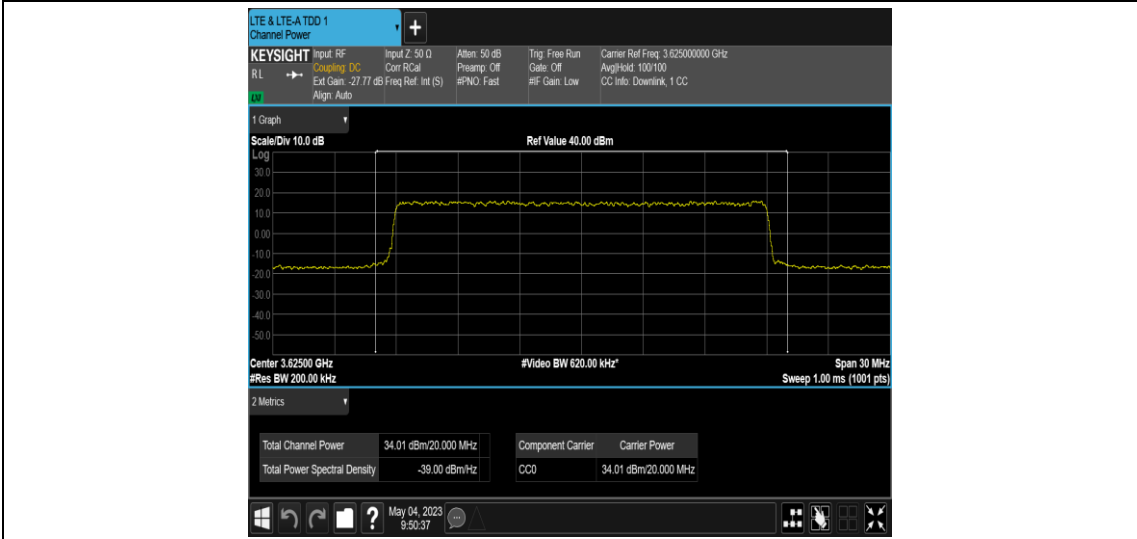
Band48-20MHz-256QAM-55340-E-TM3.1A-20



Band48-20MHz-256QAM-55990-E-TM3.1A-10

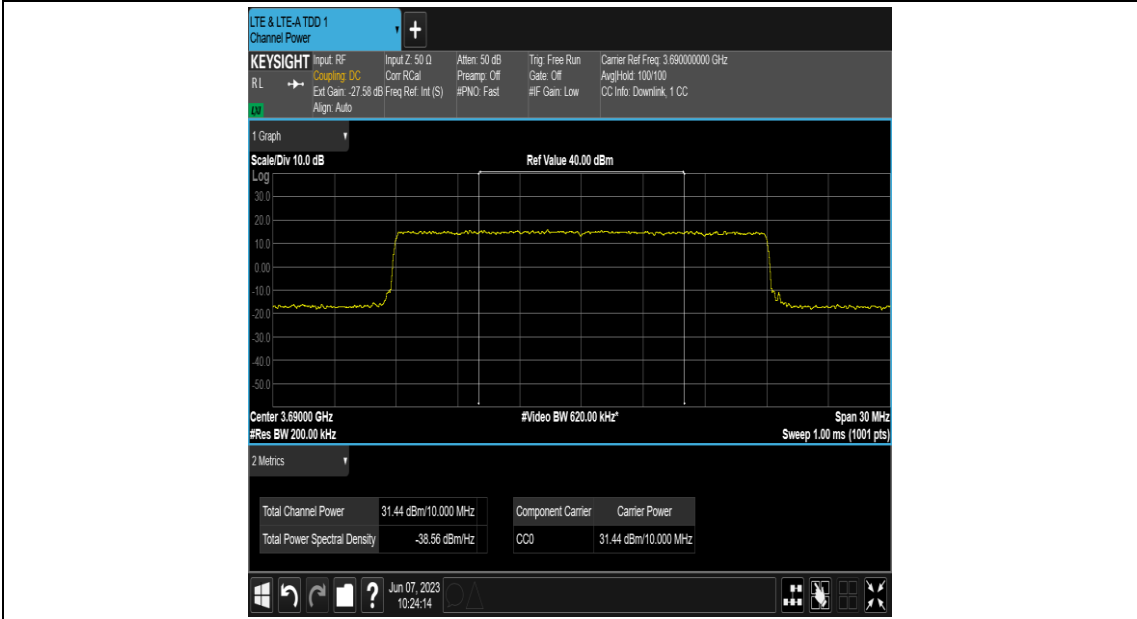


Band48-20MHz-256QAM-55990-E-TM3.1A-20

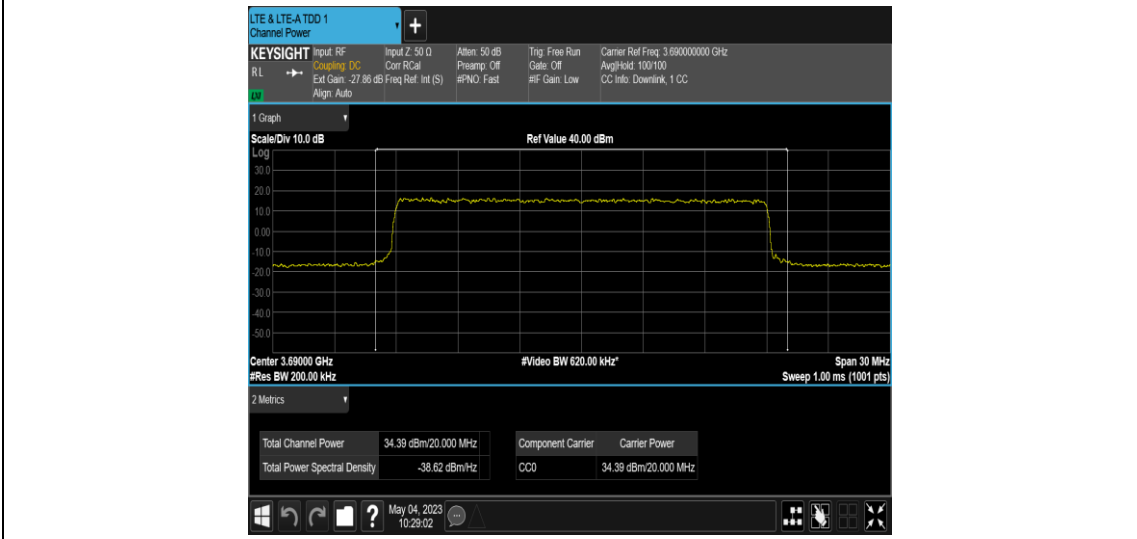


Band48-20MHz-256QAM-56640-E-TM3.1A-10





Band48-20MHz-256QAM-56640-E-TM3.1A-20



#### 4) Test For ANT4 Test Result

##### Test Result

Band	Bandwidth	Modulation	Channel	Mode	IntegBw (MHz)	Power (dBm/10MHz)
Band48	10MHz	QPSK	55290	E-TM1.1	10	31.37
Band48	10MHz	QPSK	55990	E-TM1.1	10	31.04
Band48	10MHz	QPSK	56690	E-TM1.1	10	30.38
Band48	10MHz	256QAM	55290	E-TM3.1A	10	31.00
Band48	10MHz	256QAM	55990	E-TM3.1A	10	31.31
Band48	10MHz	256QAM	56690	E-TM3.1A	10	30.52
Band48	20MHz	QPSK	55340	E-TM1.1	10	31.04
Band48	20MHz	QPSK	55990	E-TM1.1	10	31.3
Band48	20MHz	QPSK	56640	E-TM1.1	10	31.19
Band48	20MHz	256QAM	55340	E-TM3.1A	10	31.25
Band48	20MHz	256QAM	55990	E-TM3.1A	10	31.42
Band48	20MHz	256QAM	56640	E-TM3.1A	10	31.19
Band48	20MHz	256QAM	56640	E-TM3.1A	20	34.34

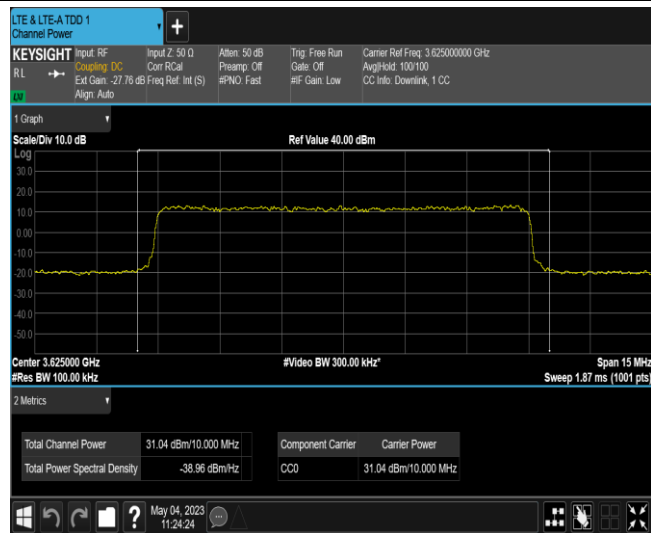
Band	Bandwidth	Modulation	Channel	Mode	IntegBw (MHz)	Power (dBm/20MHz)
Band48	20MHz	QPSK	55340	E-TM1.1	20	34.50
Band48	20MHz	QPSK	55990	E-TM1.1	20	34.38
Band48	20MHz	QPSK	56640	E-TM1.1	20	34.31
Band48	20MHz	256QAM	55340	E-TM3.1A	20	34.16
Band48	20MHz	256QAM	55990	E-TM3.1A	20	34.43
Band48	20MHz	256QAM	56640	E-TM3.1A	20	34.34

Test Graphs

Band48-10MHz-QPSK-55290-E-TM1.1-10



Band48-10MHz-QPSK-55990-E-TM1.1-10



Band48-10MHz-QPSK-56690-E-TM1.1-10



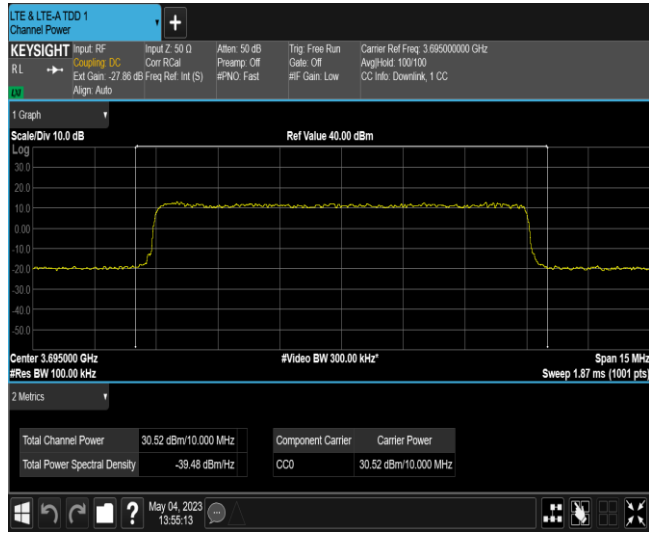
Band48-10MHz-256QAM-55290-E-TM3.1A-10



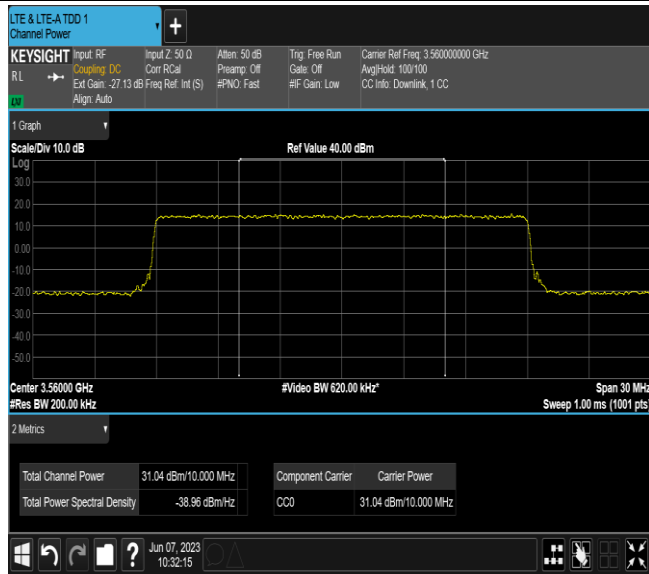
Band48-10MHz-256QAM-55990-E-TM3.1A-10



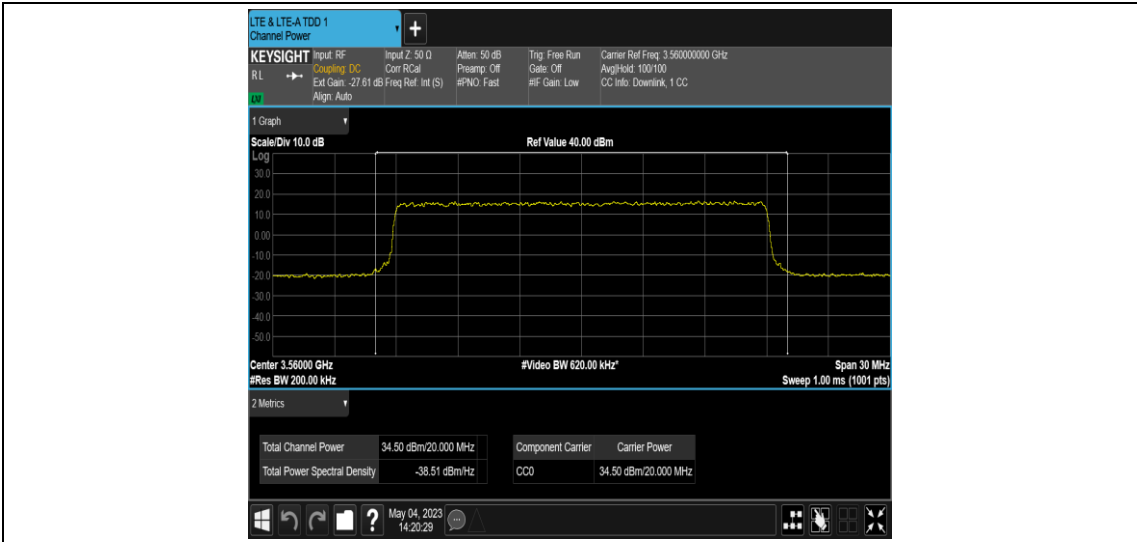
Band48-10MHz-256QAM-56690-E-TM3.1A-10



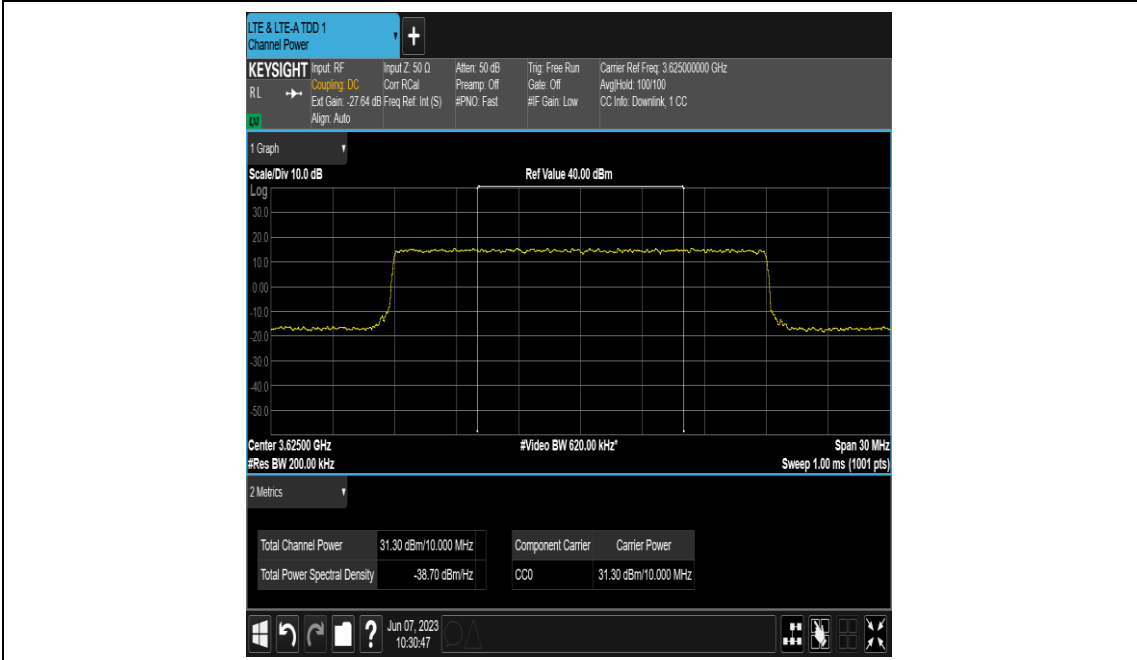
Band48-20MHz-QPSK-55340-E-TM1.1-10



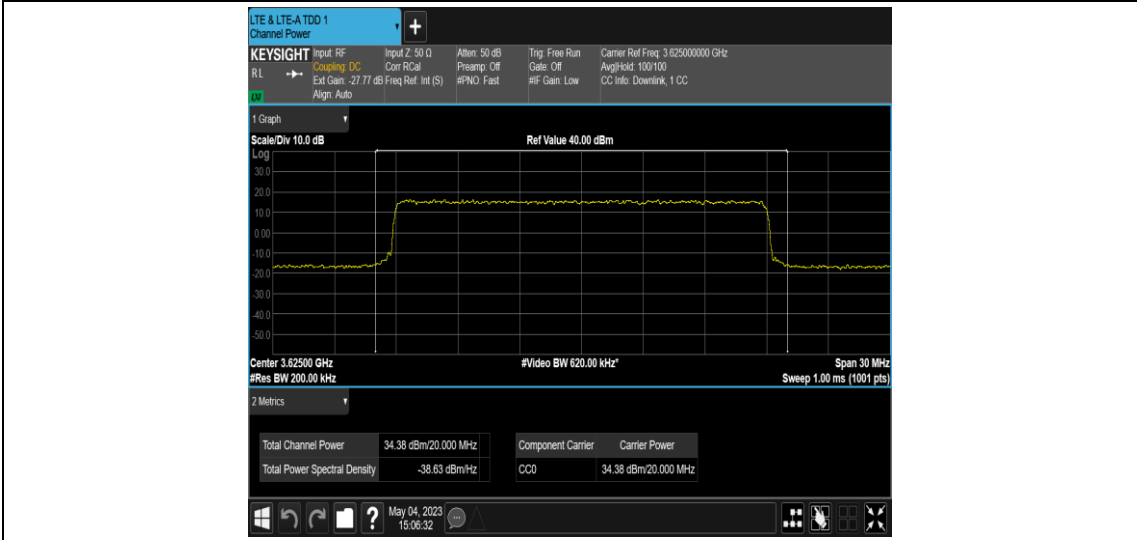
Band48-20MHz-QPSK-55340-E-TM1.1-20



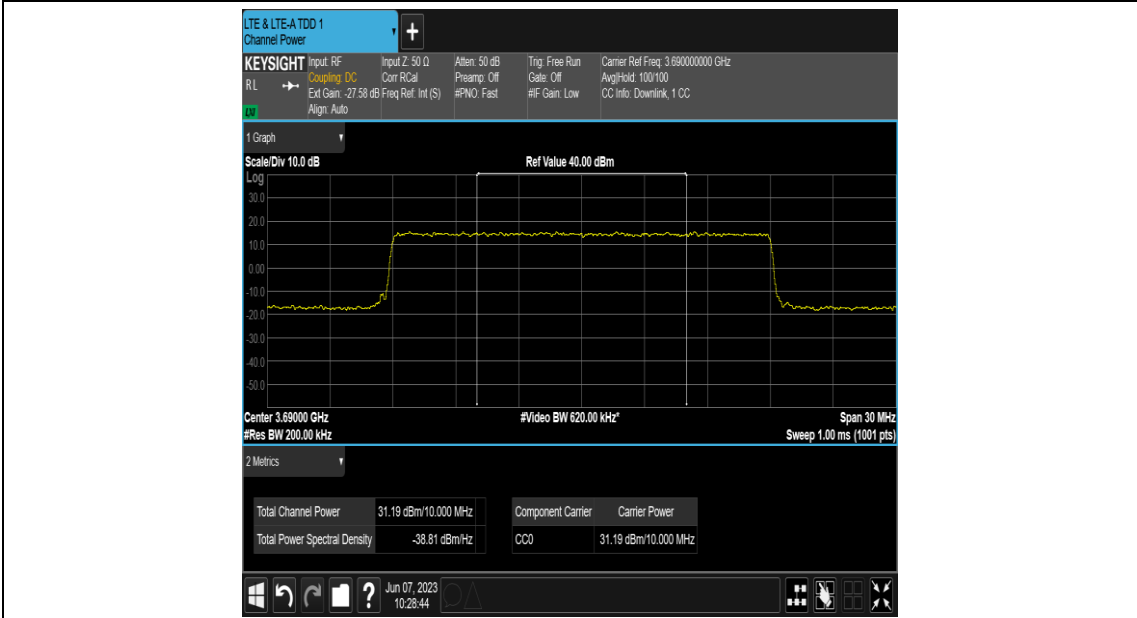
Band48-20MHz-QPSK-55990-E-TM1.1-10



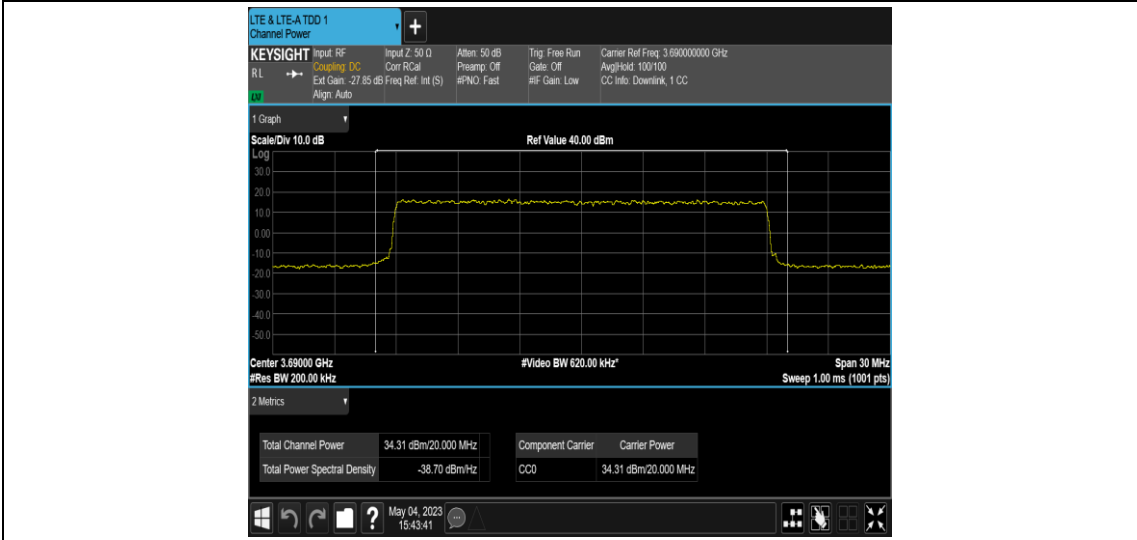
Band48-20MHz-QPSK-55990-E-TM1.1-20



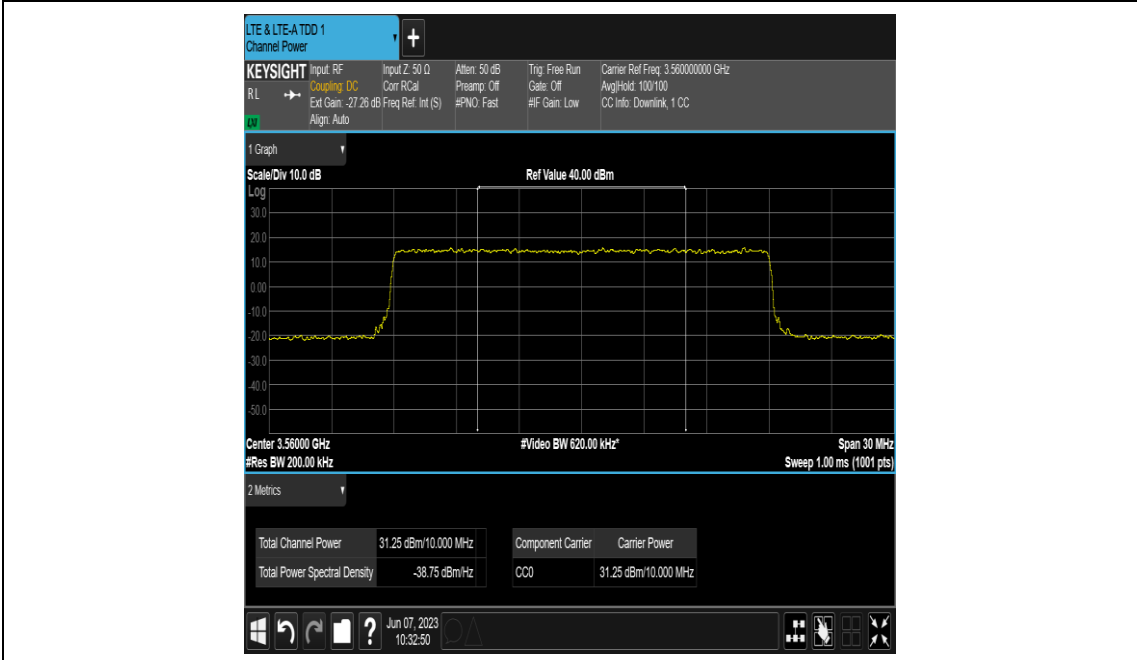
Band48-20MHz-QPSK-56640-E-TM1.1-10



Band48-20MHz-QPSK-56640-E-TM1.1-20



Band48-20MHz-256QAM-55340-E-TM3.1A-10

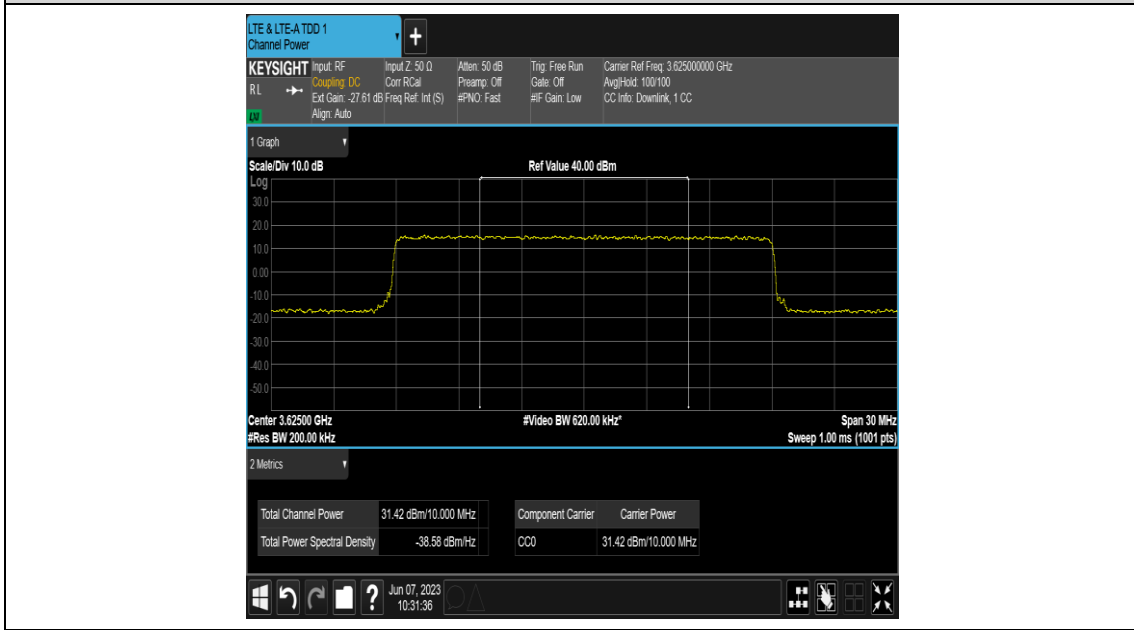


Band48-20MHz-256QAM-55340-E-TM3.1A-20

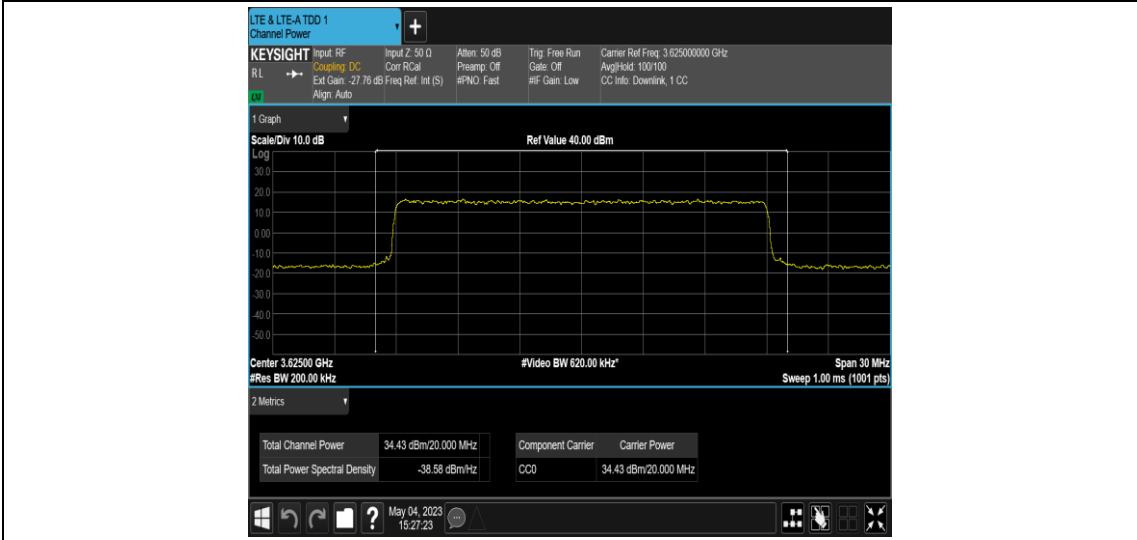




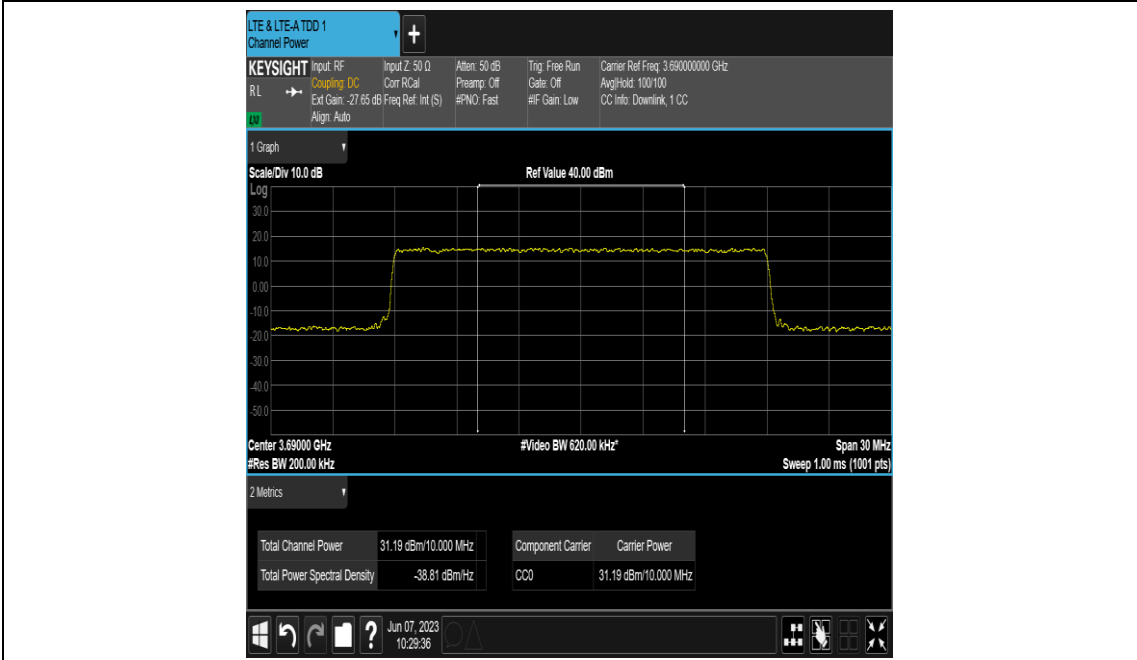
Band48-20MHz-256QAM-55990-E-TM3.1A-10



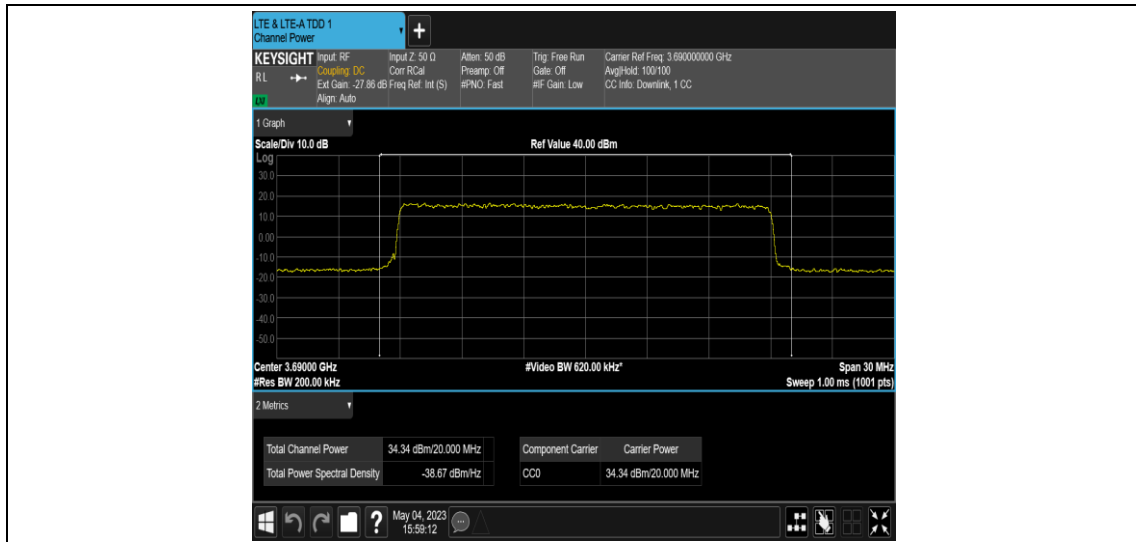
Band48-20MHz-256QAM-55990-E-TM3.1A-20



Band48-20MHz-256QAM-56640-E-TM3.1A-10



Band48-20MHz-256QAM-56640-E-TM3.1A-20



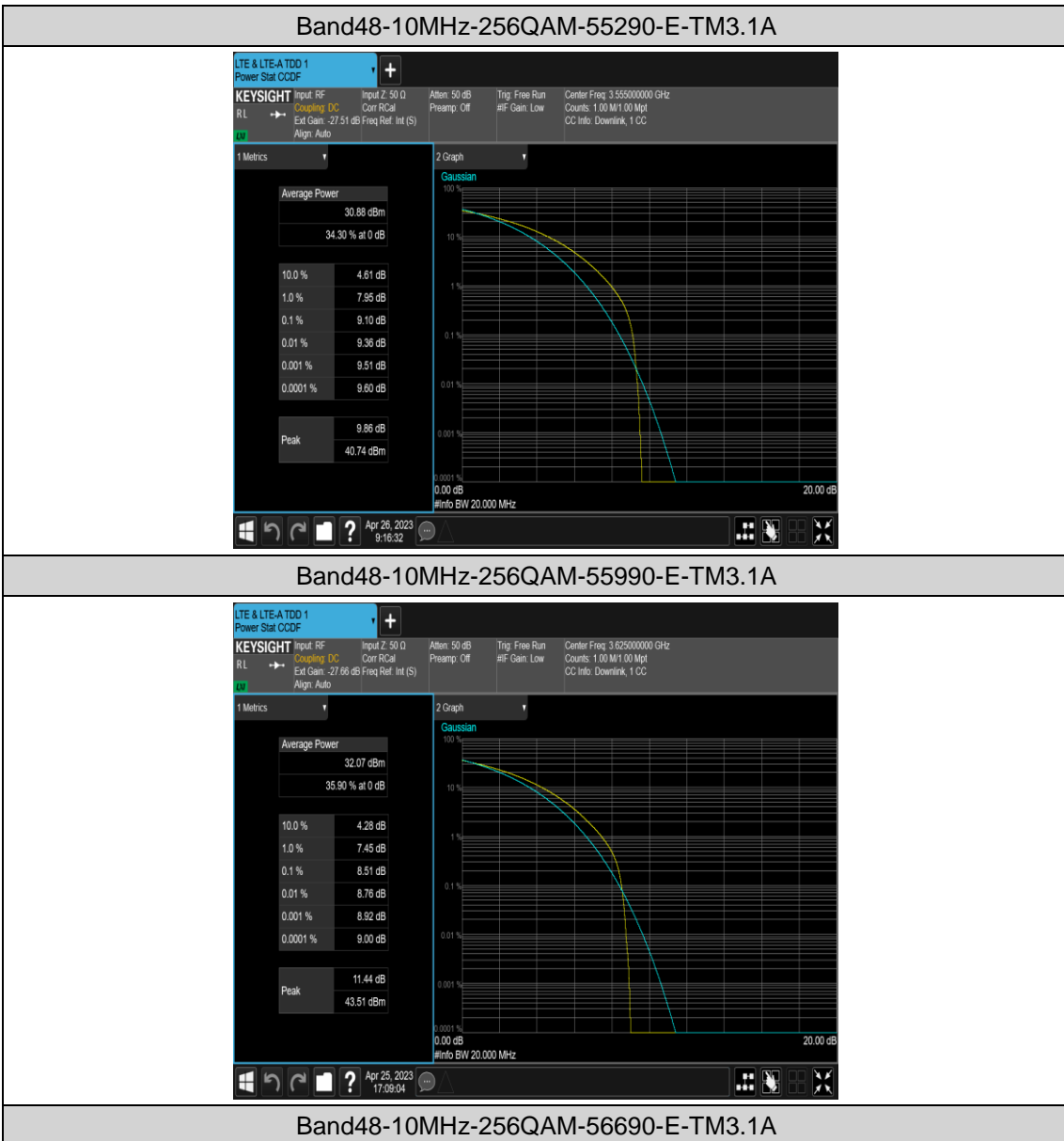
## Appendix B: Peak-to-Average Ratio(CCDF)

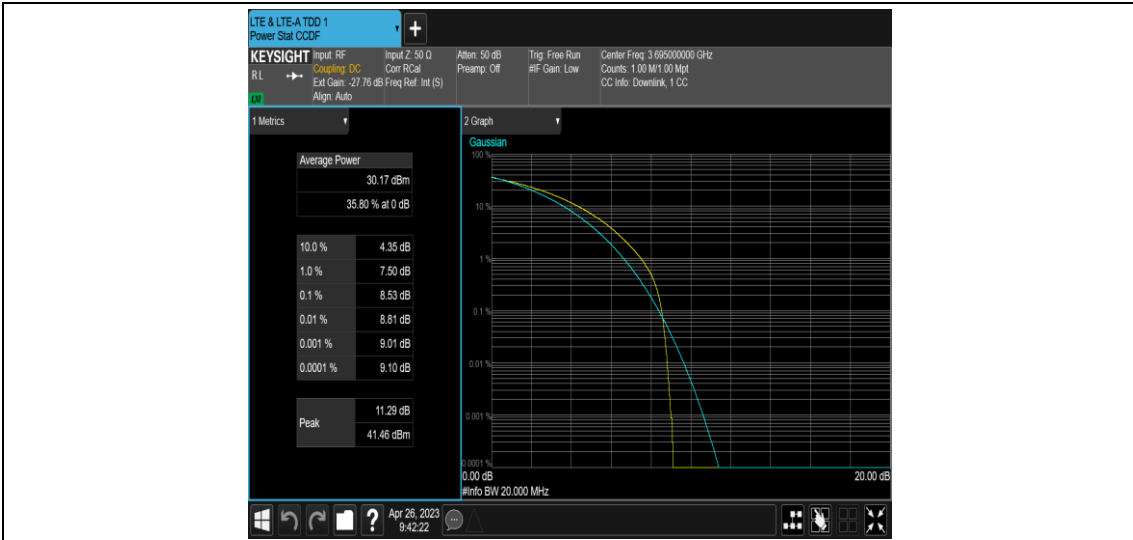
### 1)Test For ANT1 Test Result

#### Test Result

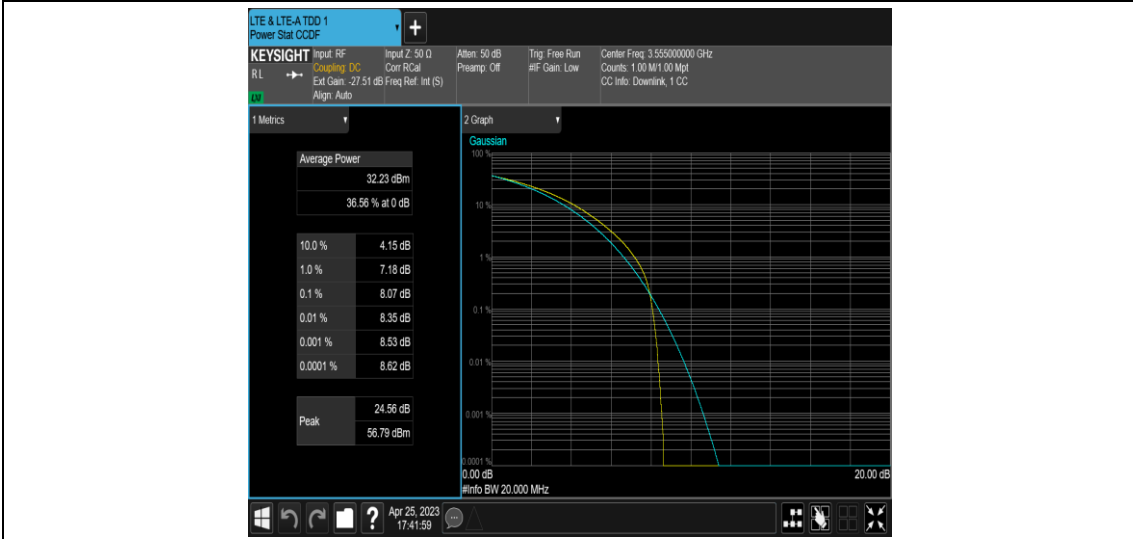
Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)
Band48	10MHz	256QAM	55290	E-TM3.1A	9.10
Band48	10MHz	256QAM	55990	E-TM3.1A	8.51
Band48	10MHz	256QAM	56690	E-TM3.1A	8.53
Band48	10MHz	QPSK	55290	E-TM1.1	8.07
Band48	10MHz	QPSK	55990	E-TM1.1	8.80
Band48	10MHz	QPSK	56690	E-TM1.1	8.64
Band48	20MHz	256QAM	55340	E-TM3.1A	8.54
Band48	20MHz	256QAM	55990	E-TM3.1A	8.43
Band48	20MHz	256QAM	56640	E-TM3.1A	8.79
Band48	20MHz	QPSK	55340	E-TM1.1	8.60
Band48	20MHz	QPSK	55990	E-TM1.1	8.68
Band48	20MHz	QPSK	56640	E-TM1.1	8.87

**Test Graphs**

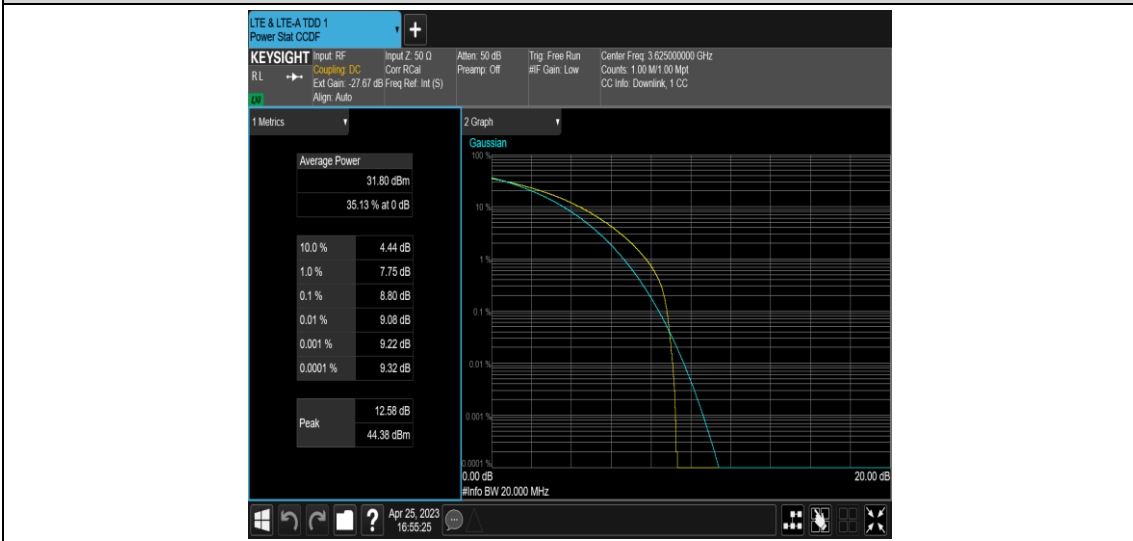




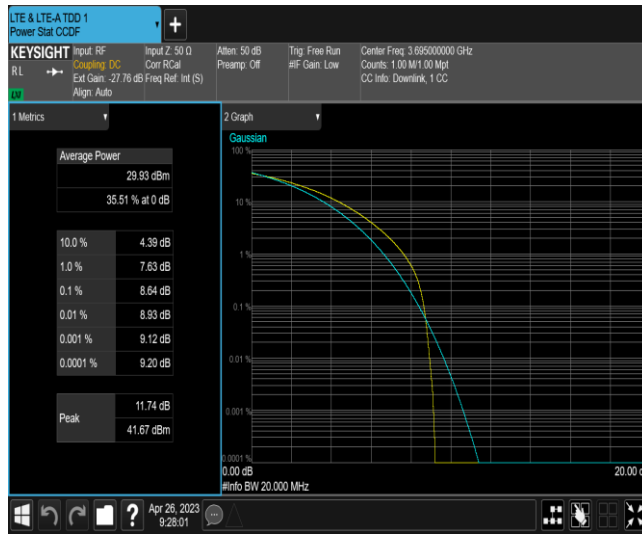
Band48-10MHz-QPSK-55290-E-TM1.1



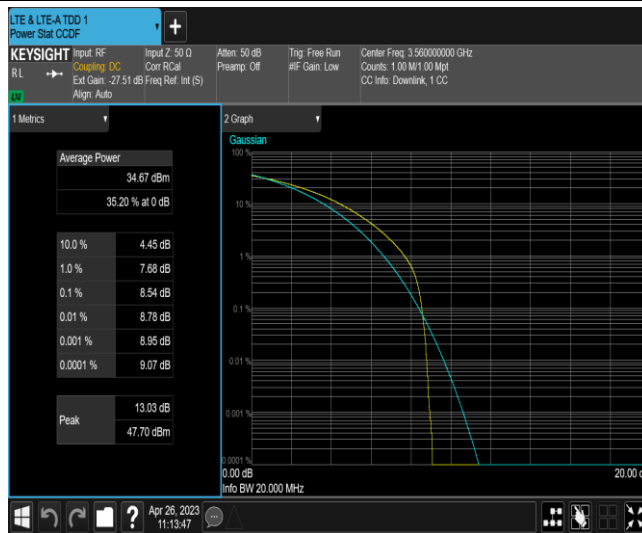
Band48-10MHz-QPSK-55990-E-TM1.1



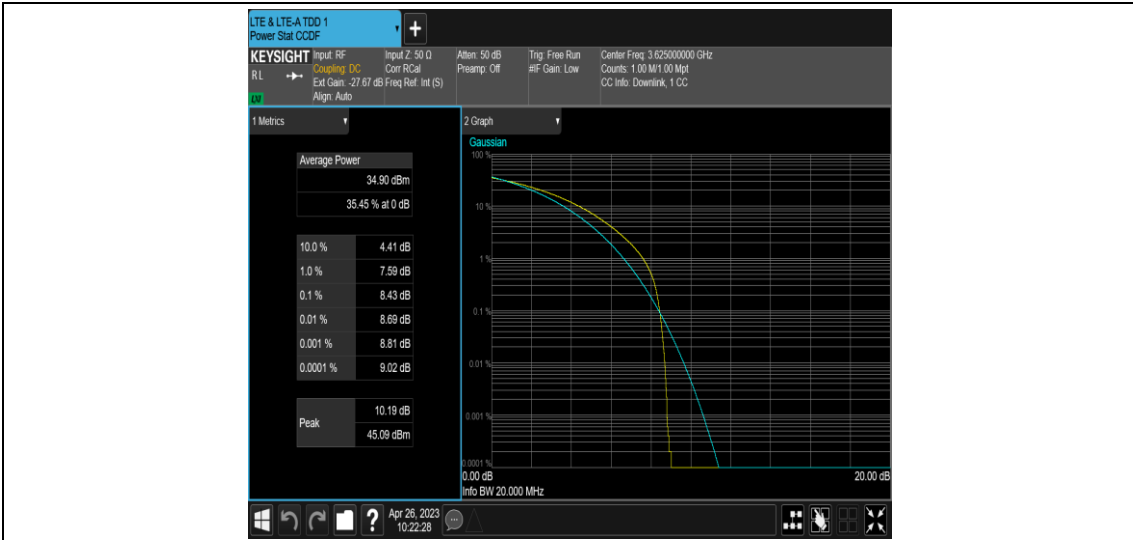
Band48-10MHz-QPSK-56690-E-TM1.1



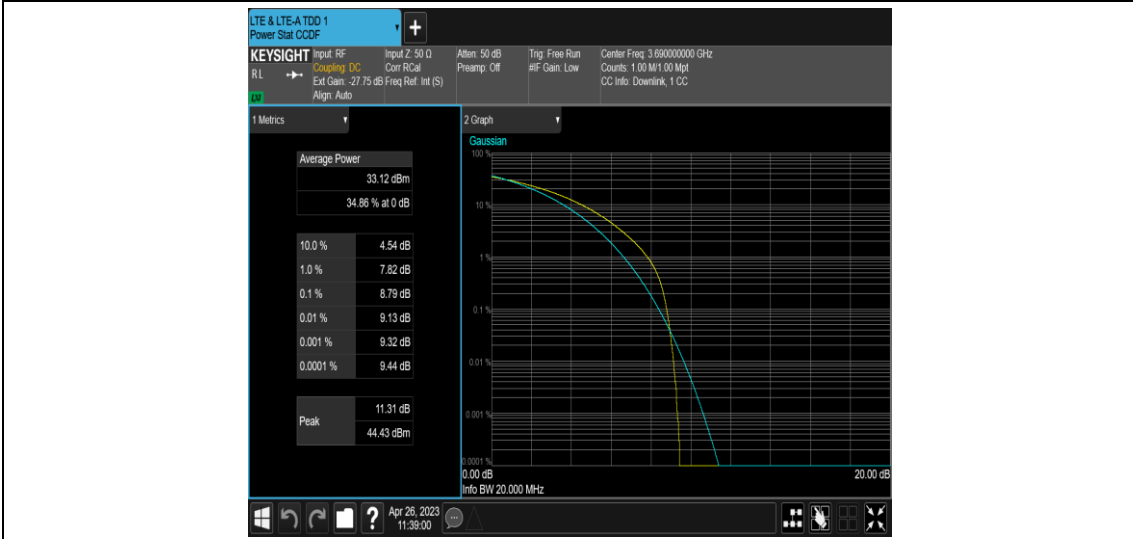
Band48-20MHz-256QAM-55340-E-TM3.1A



Band48-20MHz-256QAM-55990-E-TM3.1A



Band48-20MHz-256QAM-56640-E-TM3.1A



Band48-20MHz-QPSK-55340-E-TM1.1

