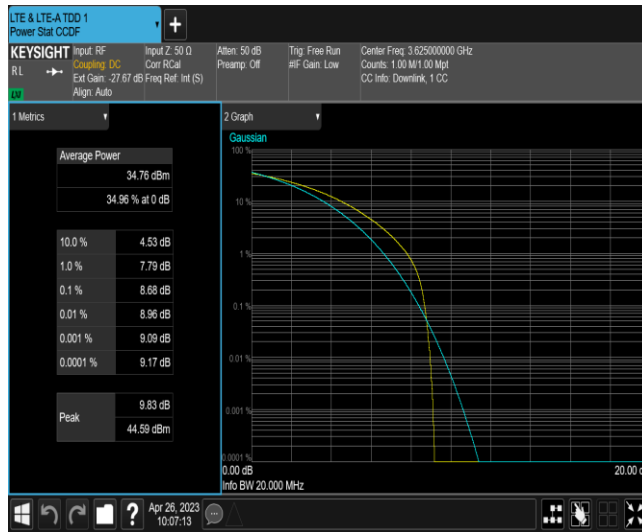
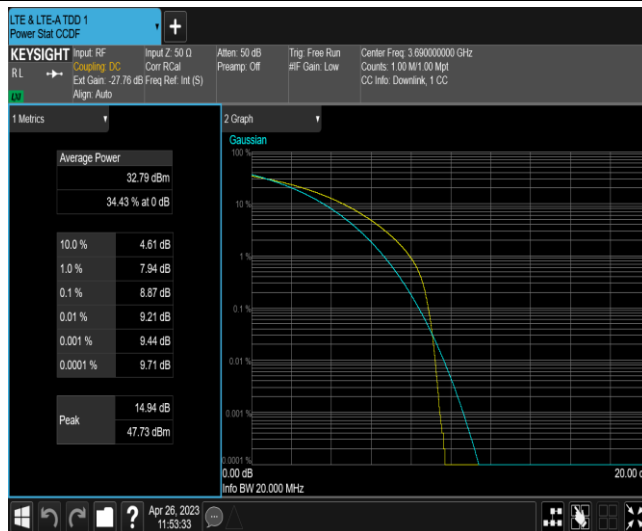


Band48-20MHz-QPSK-55990-E-TM1.1



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

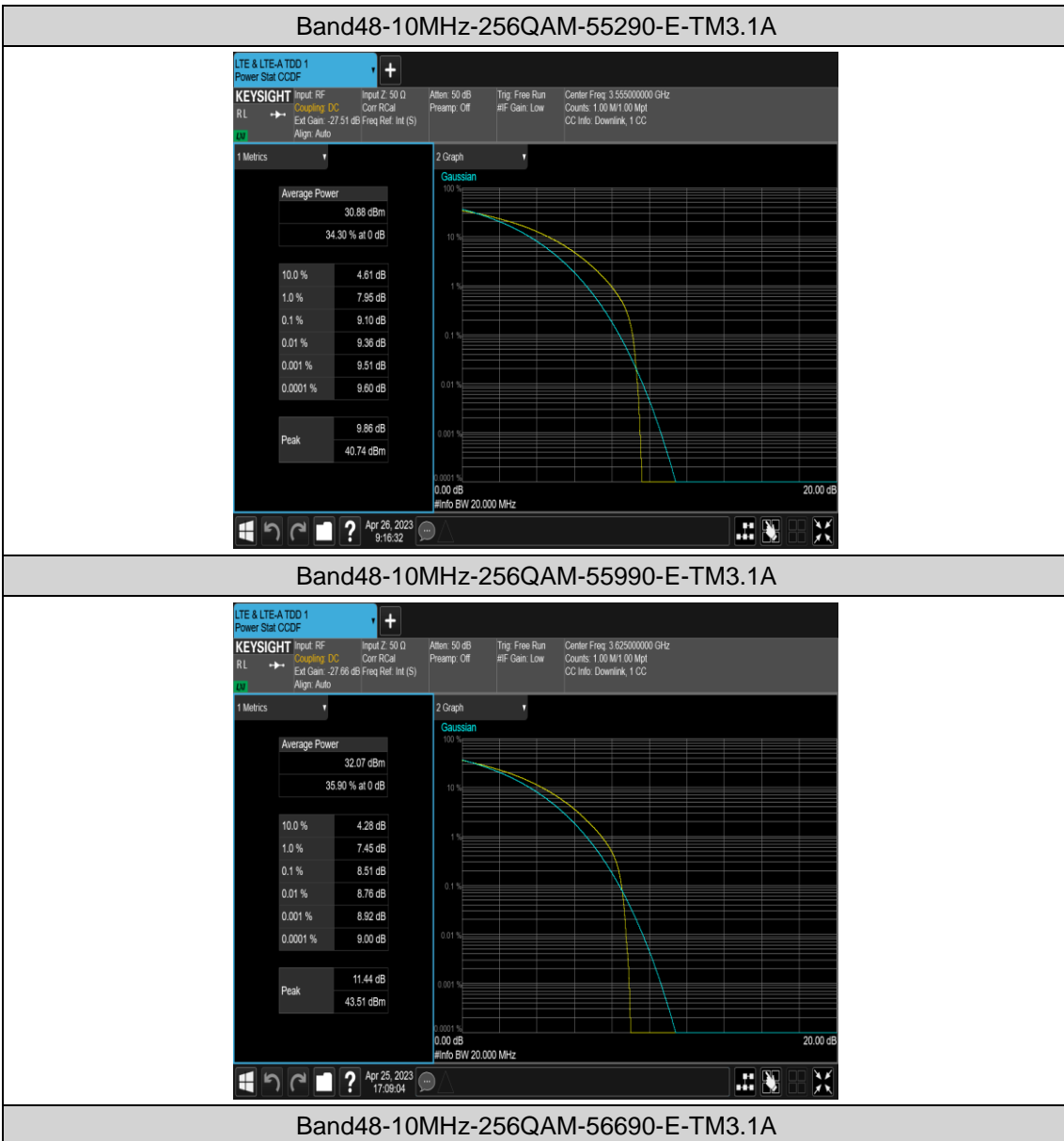


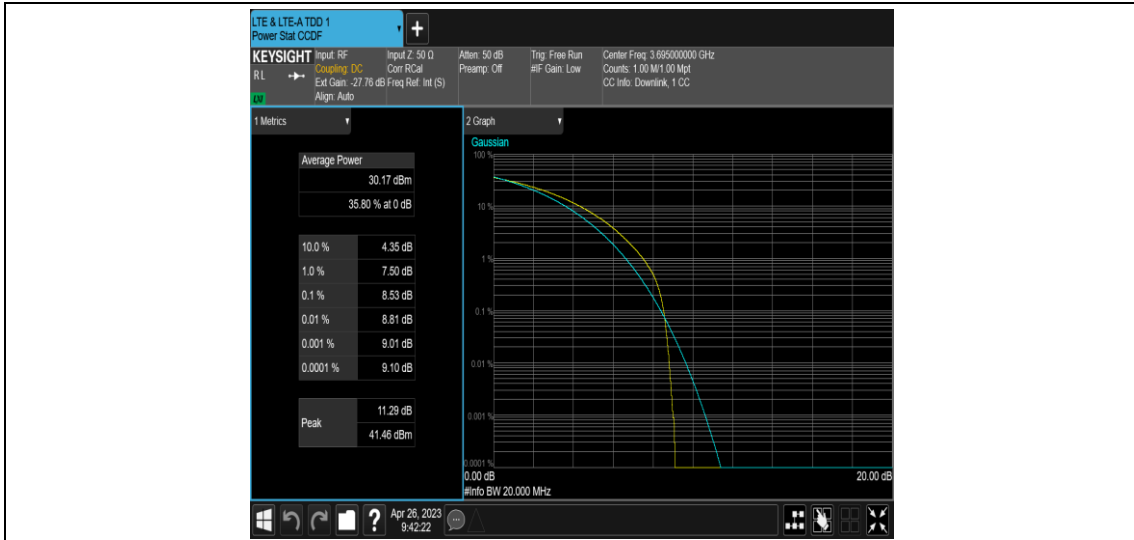
## 2)Test For ANT2 Test Result

### Test Result

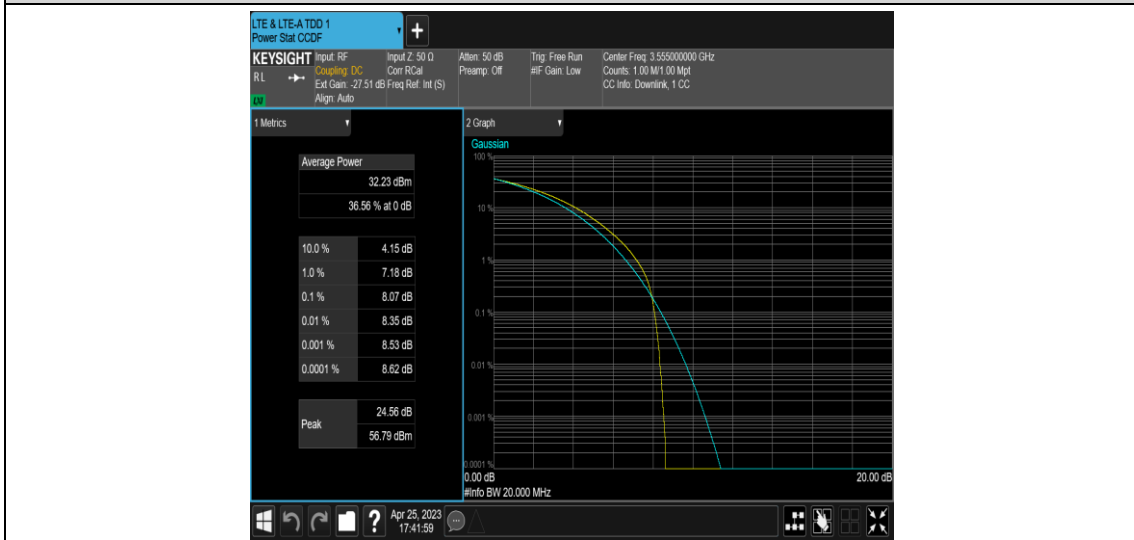
Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)
Band48	10MHz	256QAM	55290	E-TM3.1A	9.10
Band48	10MHz	256QAM	55990	E-TM3.1A	8.51
Band48	10MHz	256QAM	56690	E-TM3.1A	8.53
Band48	10MHz	QPSK	55290	E-TM1.1	8.07
Band48	10MHz	QPSK	55990	E-TM1.1	8.80
Band48	10MHz	QPSK	56690	E-TM1.1	8.64
Band48	20MHz	256QAM	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**

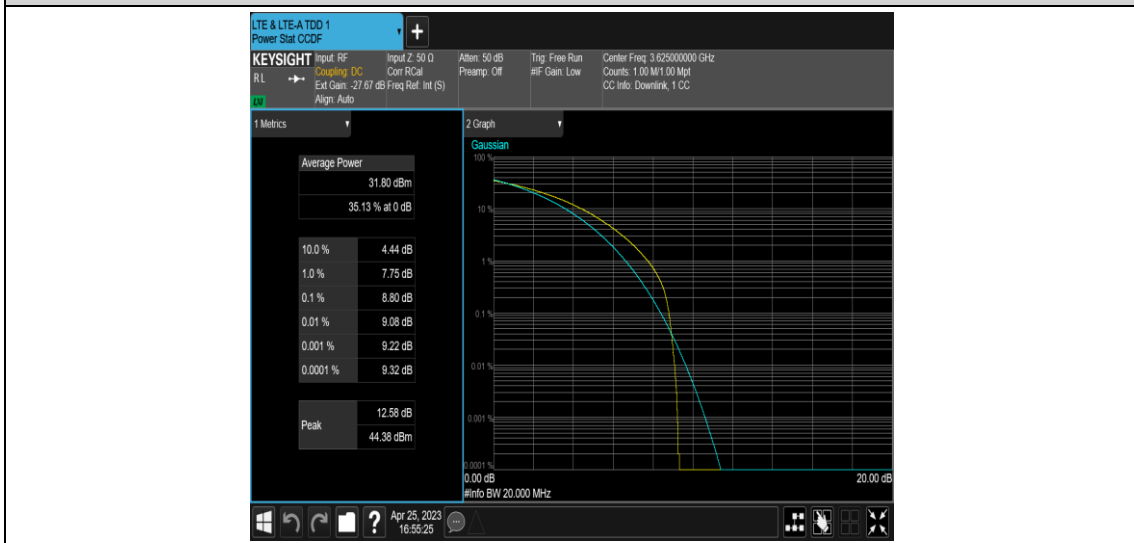




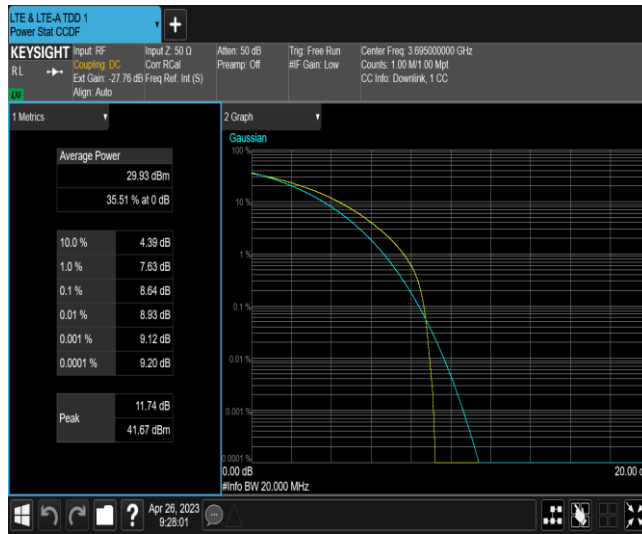
Band48-10MHz-QPSK-55290-E-TM1.1



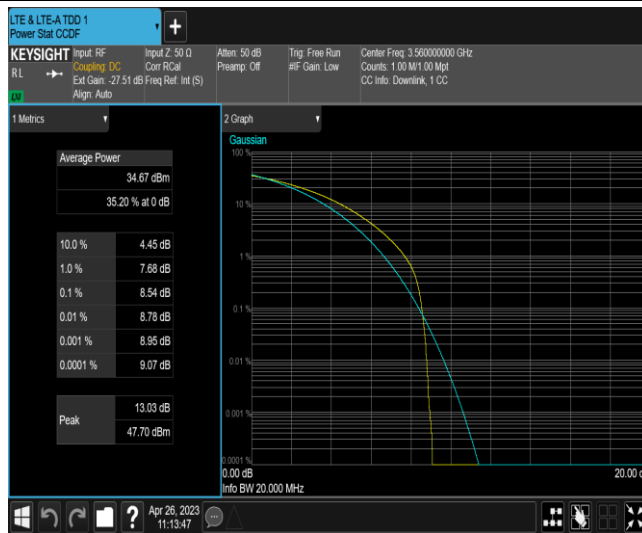
Band48-10MHz-QPSK-55990-E-TM1.1



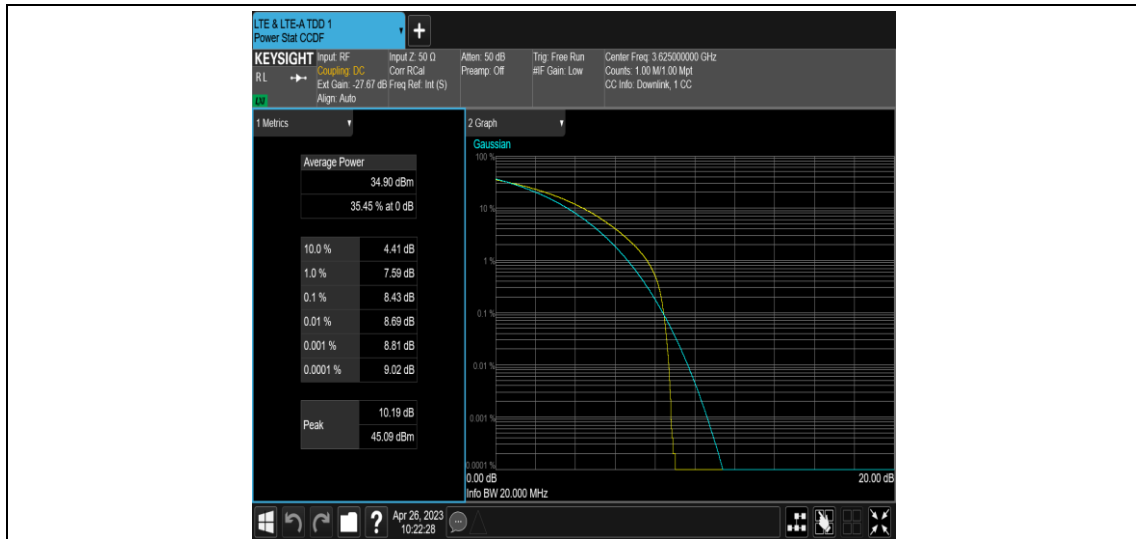
Band48-10MHz-QPSK-56690-E-TM1.1



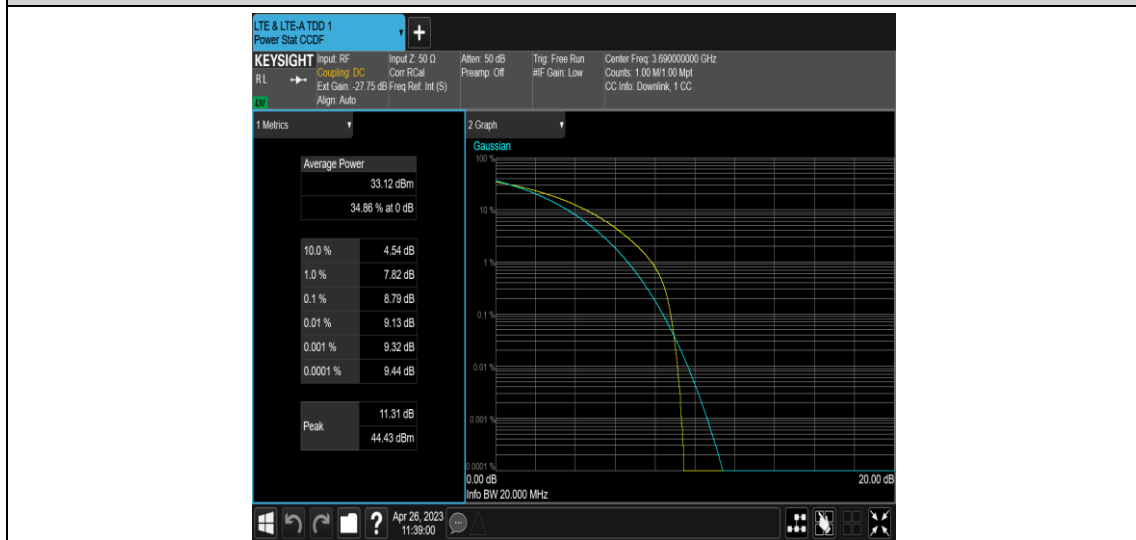
Band48-20MHz-256QAM-55340-E-TM3.1A



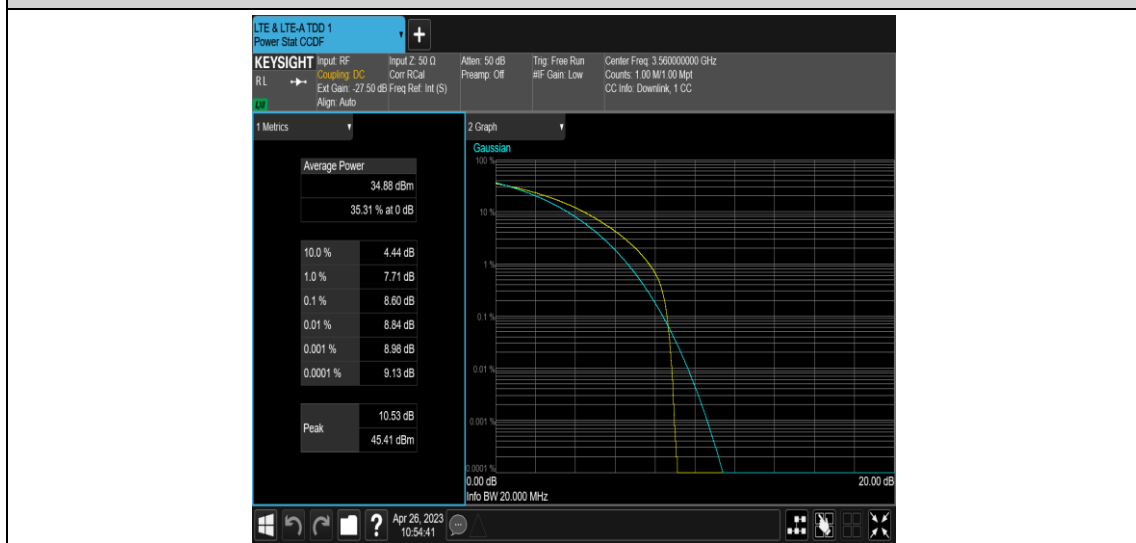
Band48-20MHz-256QAM-55990-E-TM3.1A



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



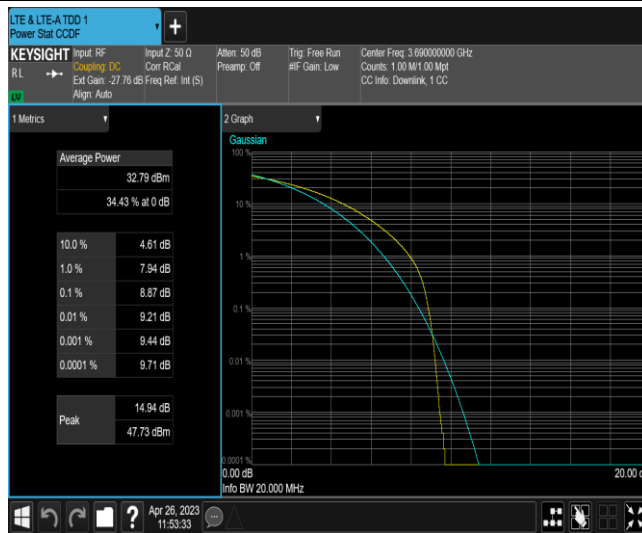
Band48-20MHz-QPSK-55340-E-TM1.1



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



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



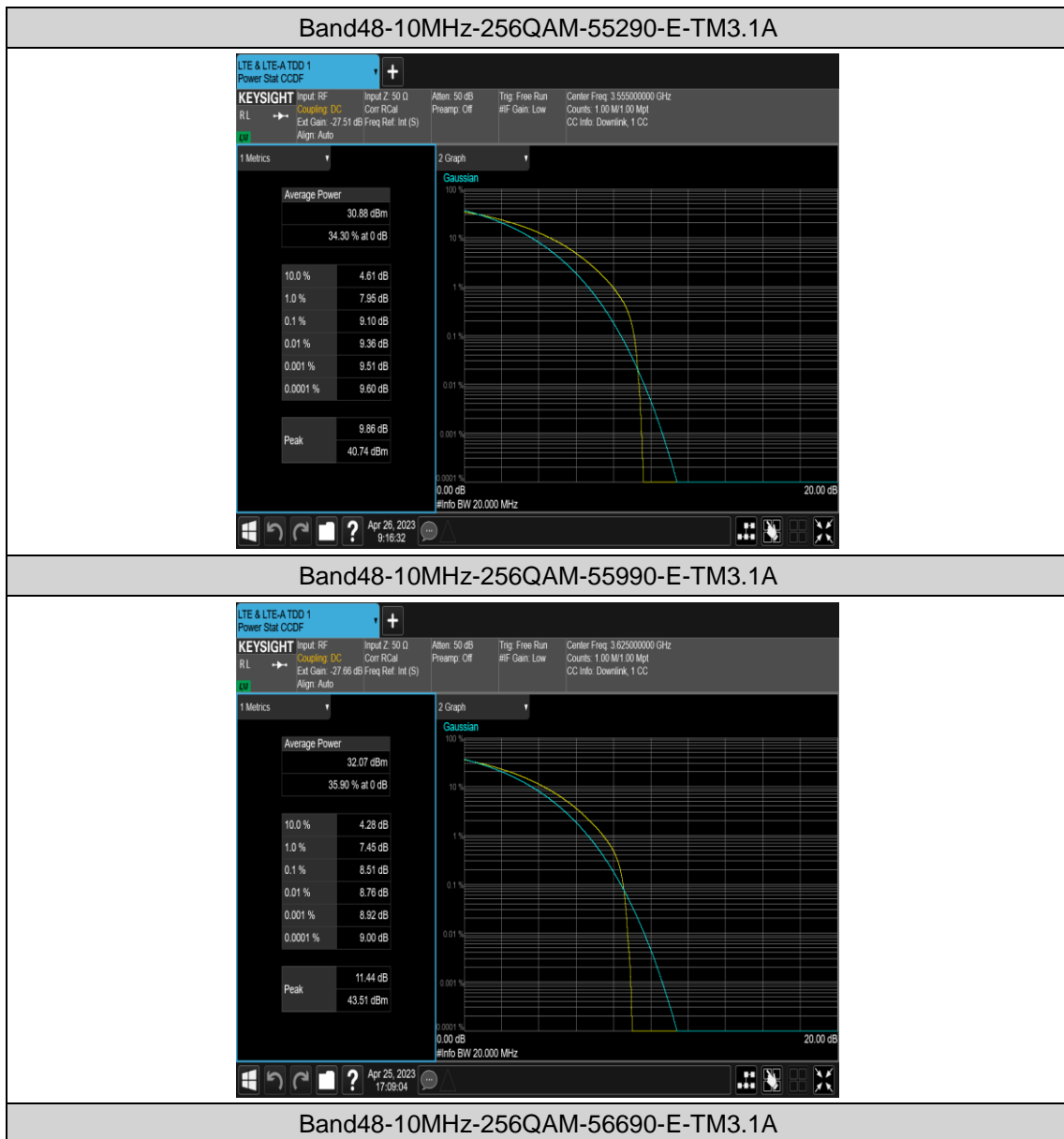
### 3)Test For ANT3 Test Result

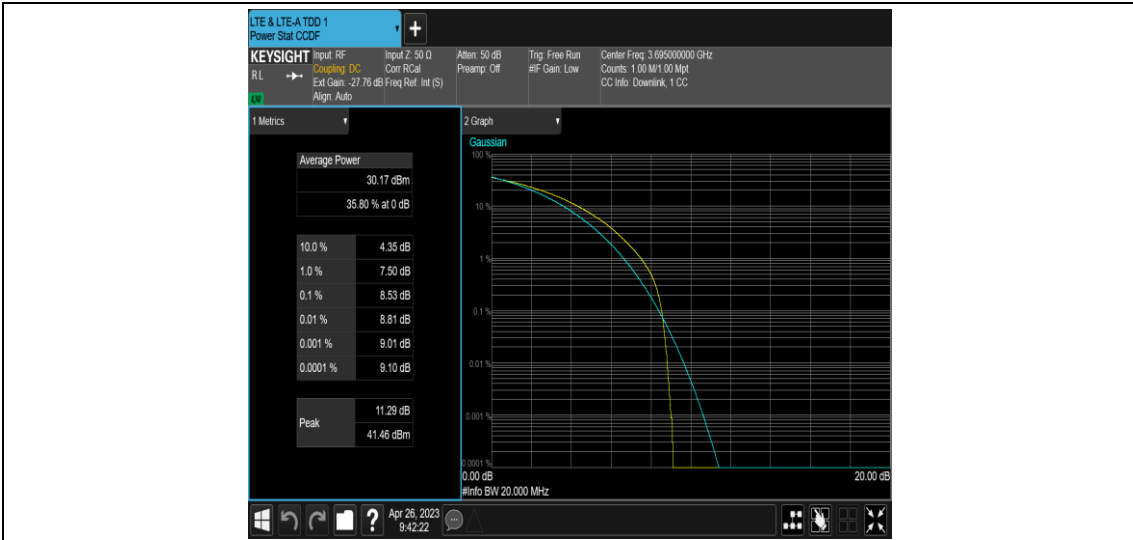
#### Test Result

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

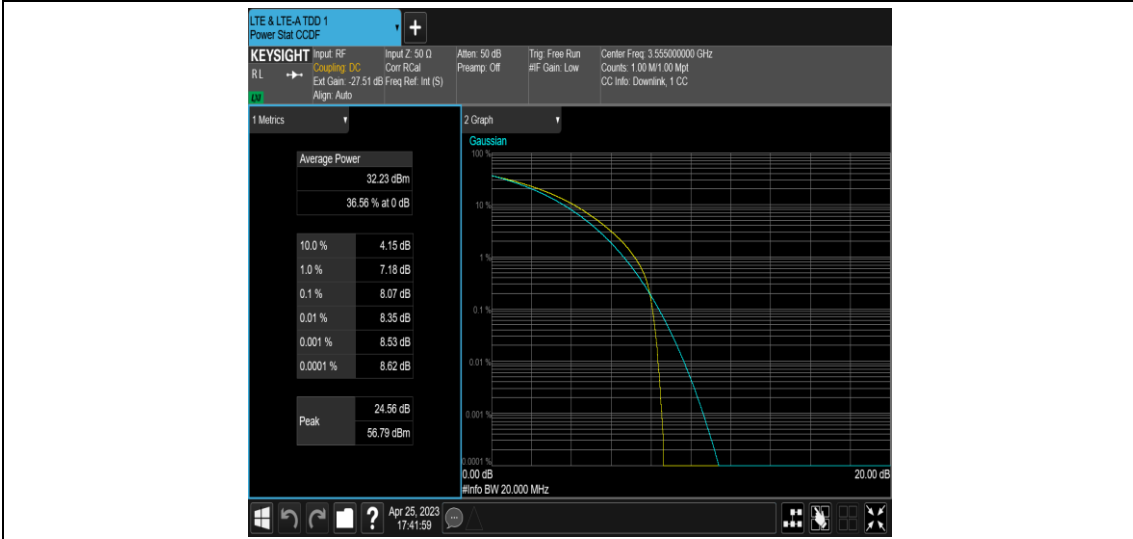


**Test Graphs**

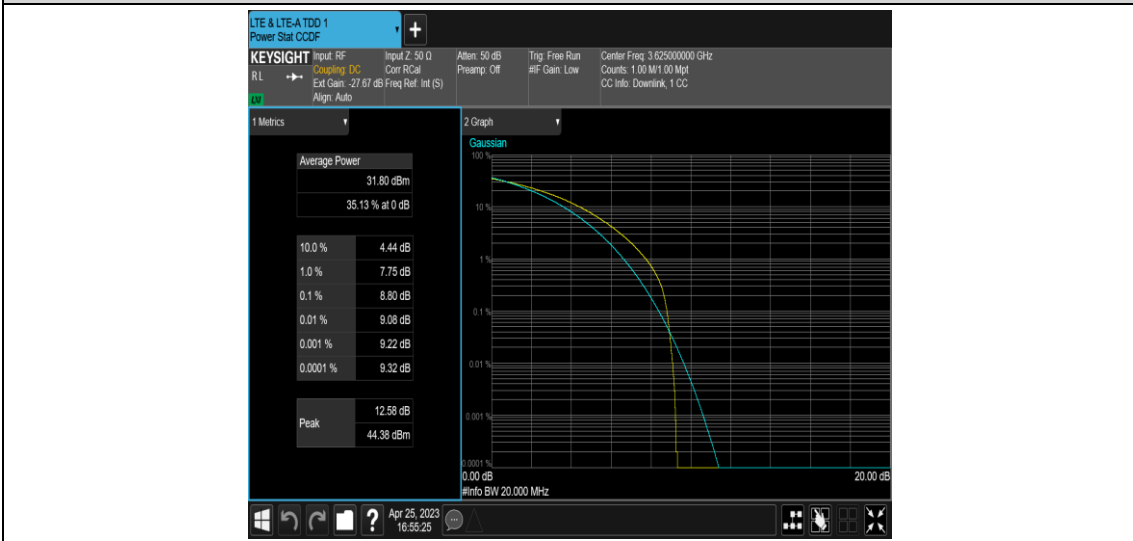




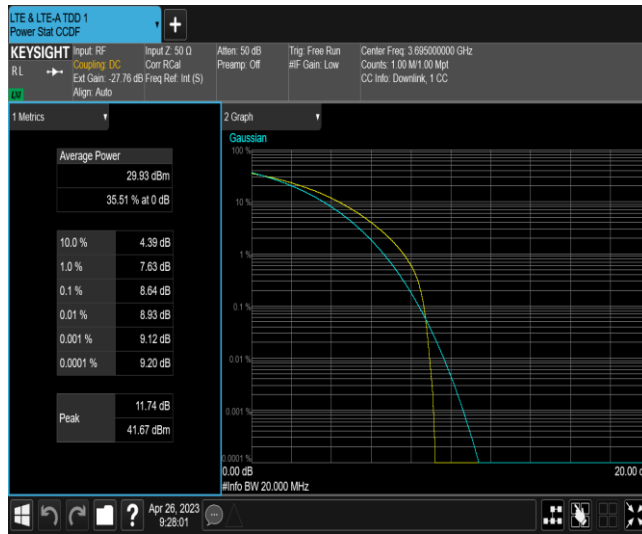
Band48-10MHz-QPSK-55290-E-TM1.1



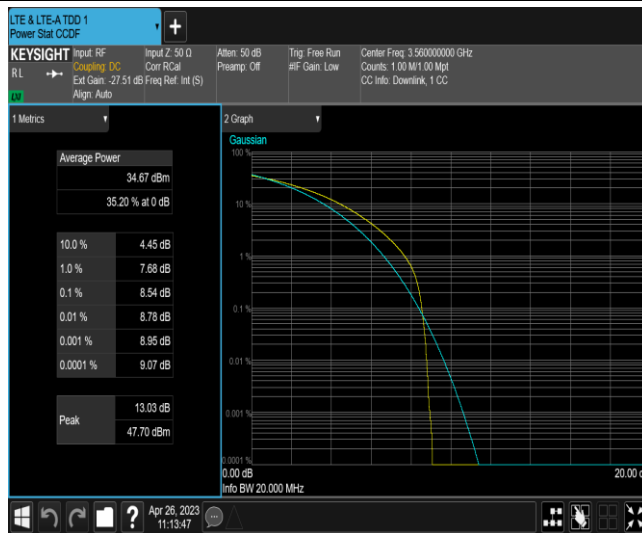
Band48-10MHz-QPSK-55990-E-TM1.1



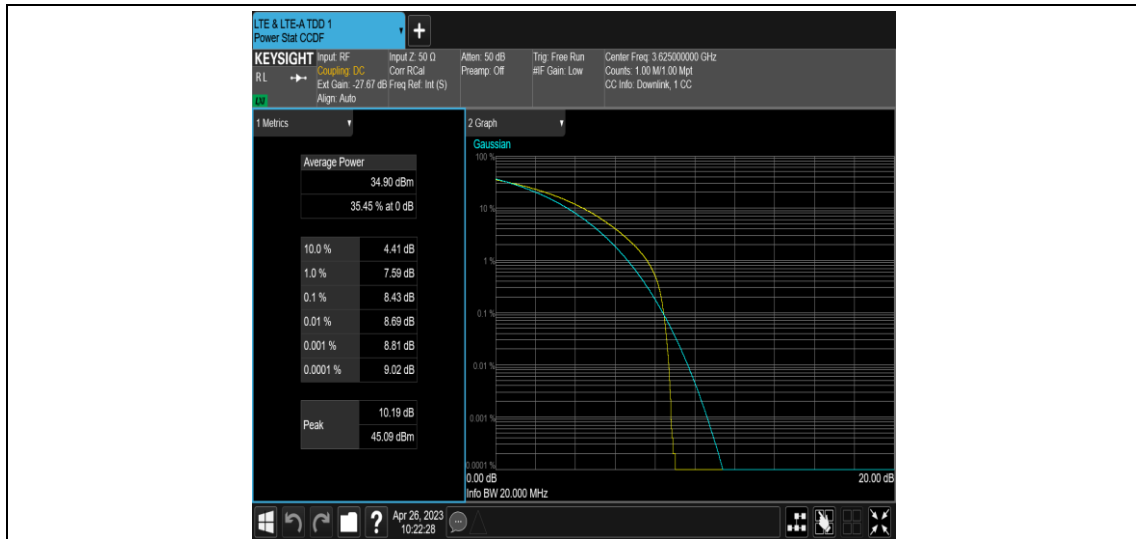
Band48-10MHz-QPSK-56690-E-TM1.1



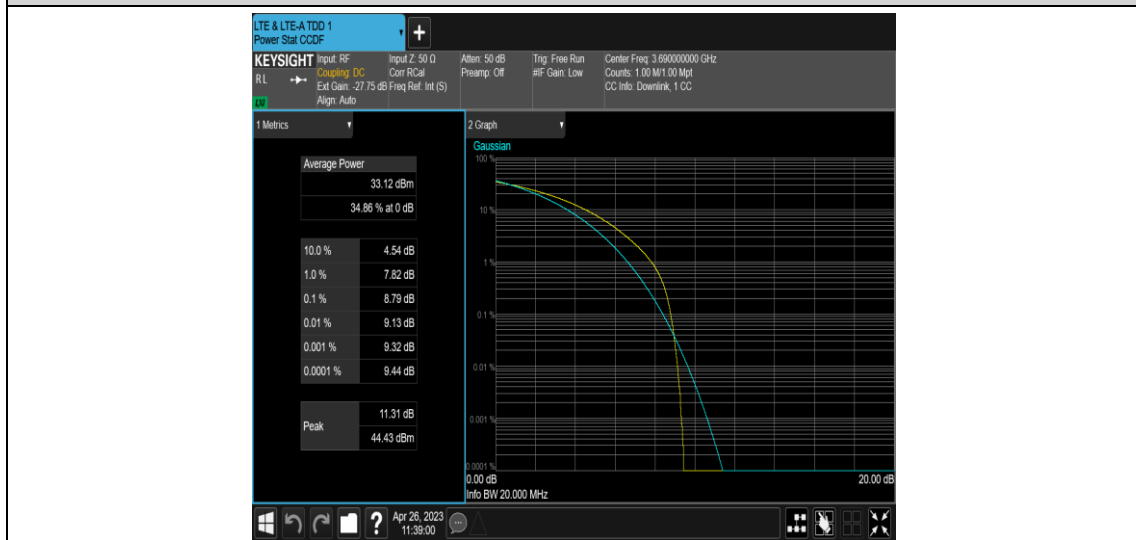
Band48-20MHz-256QAM-55340-E-TM3.1A



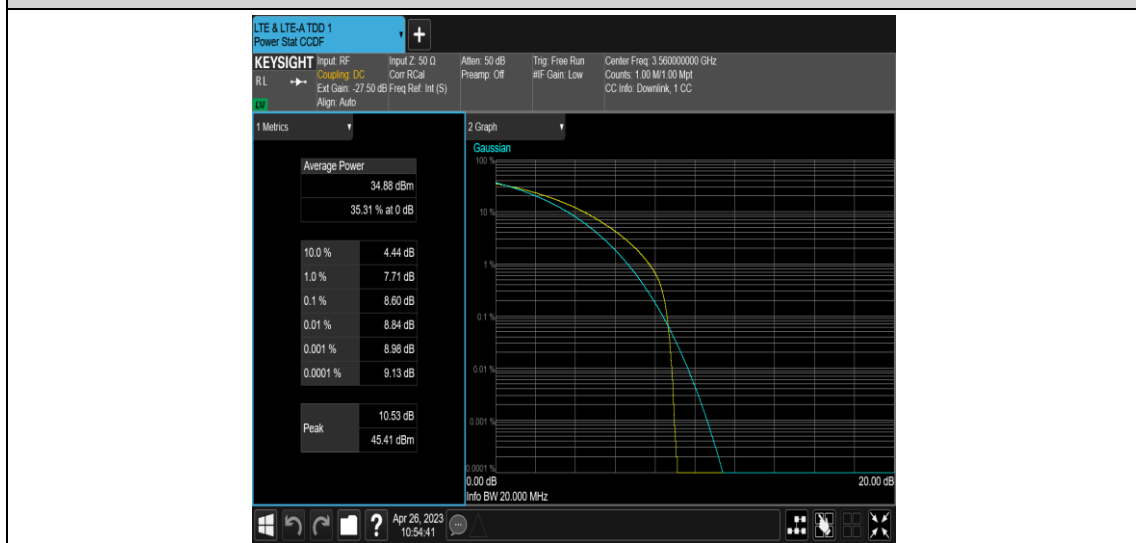
Band48-20MHz-256QAM-55990-E-TM3.1A



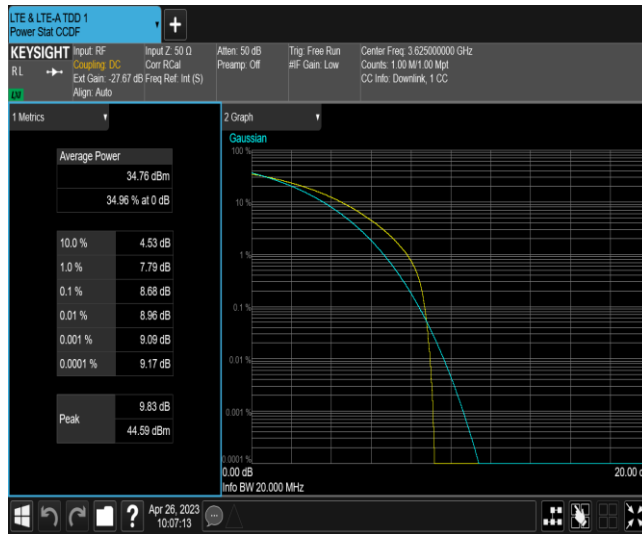
Band48-20MHz-256QAM-56640-E-TM3.1A



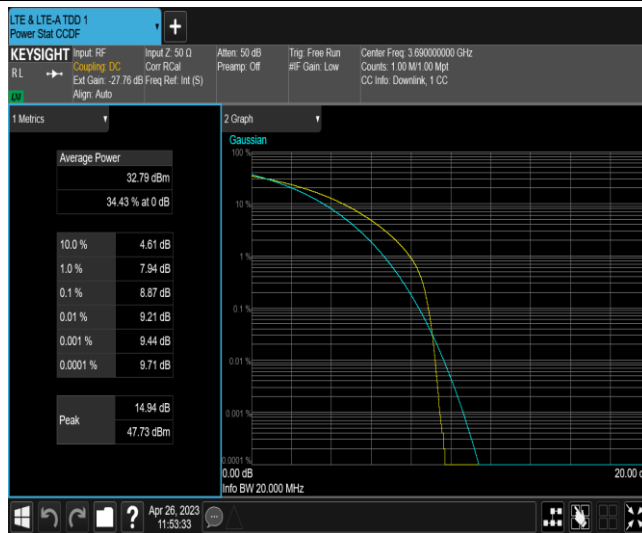
Band48-20MHz-QPSK-55340-E-TM1.1



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



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

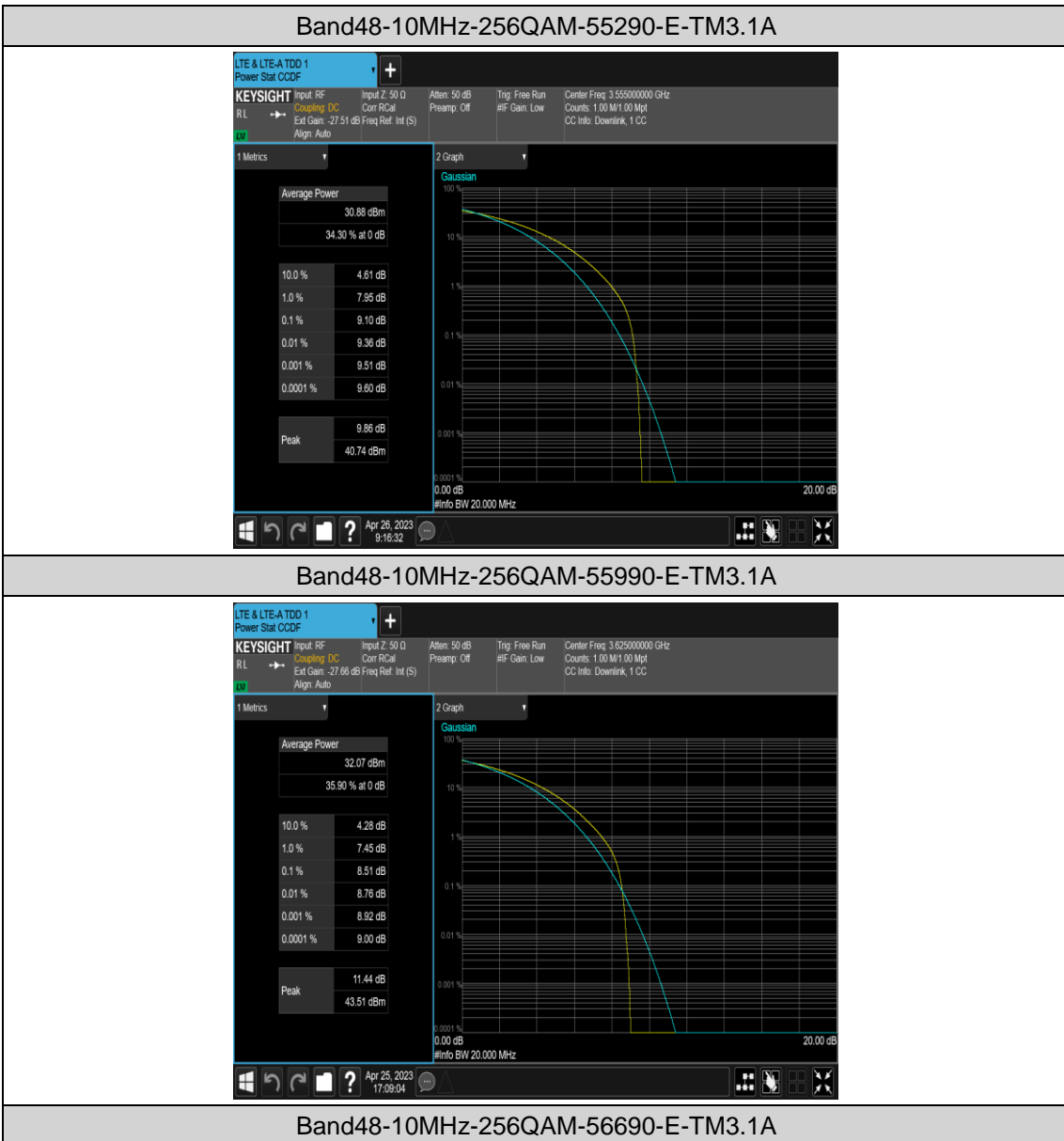


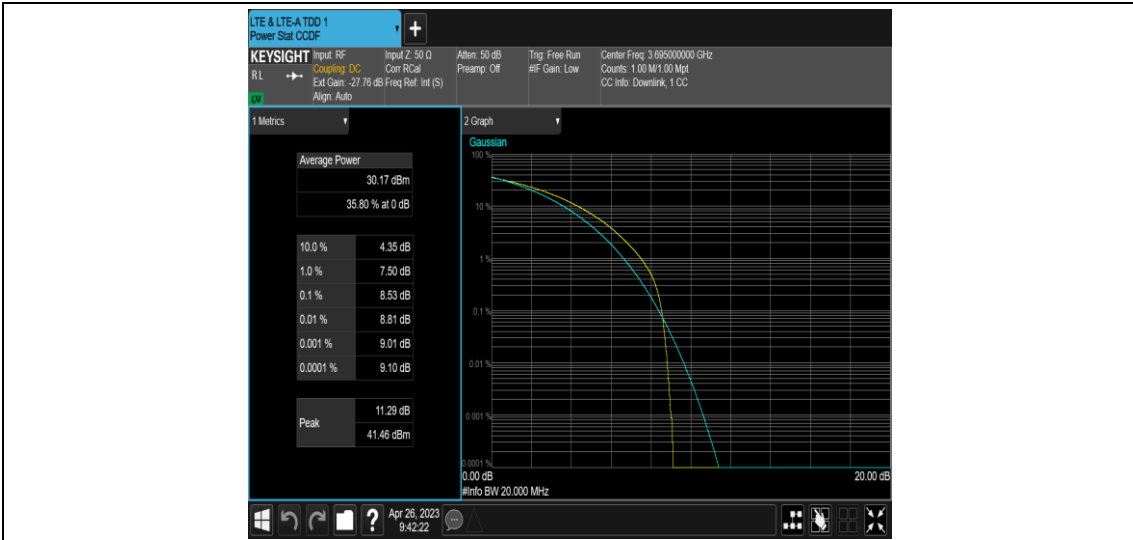
#### 4)Test For ANT4 Test Result

##### Test Result

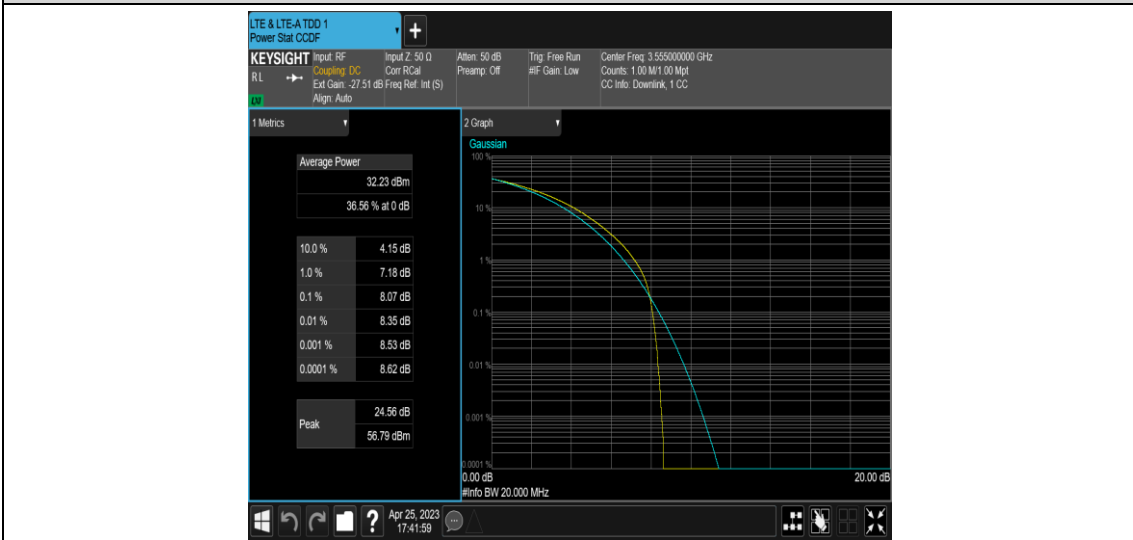
Band	Bandwidth	Modulation	Channel	Mode	Result(dBm)
Band48	10MHz	256QAM	55290	E-TM3.1A	9.10
Band48	10MHz	256QAM	55990	E-TM3.1A	8.51
Band48	10MHz	256QAM	56690	E-TM3.1A	8.53
Band48	10MHz	QPSK	55290	E-TM1.1	8.07
Band48	10MHz	QPSK	55990	E-TM1.1	8.80
Band48	10MHz	QPSK	56690	E-TM1.1	8.64
Band48	20MHz	256QAM	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**

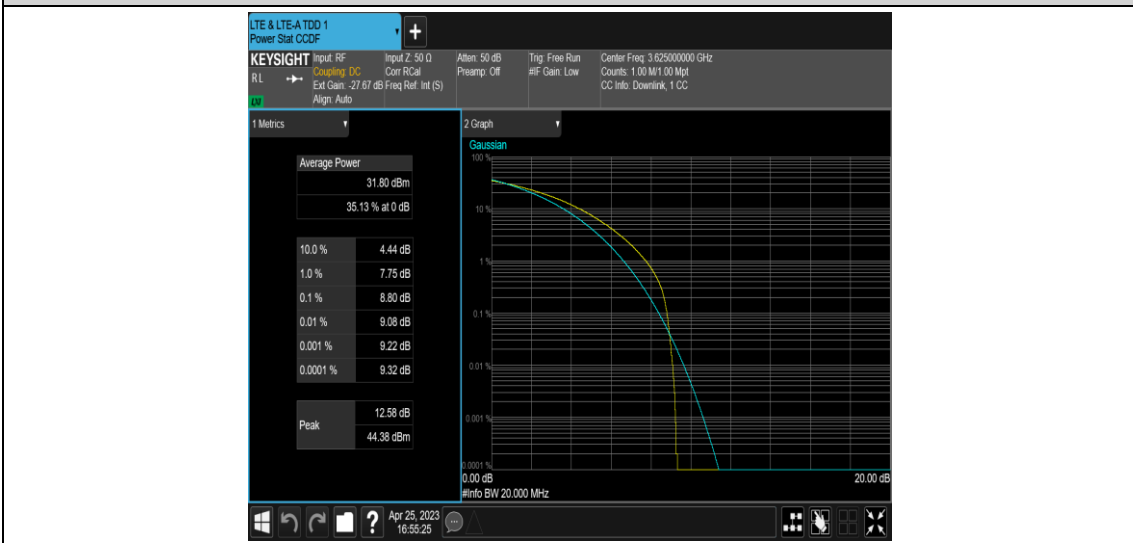




Band48-10MHz-QPSK-55290-E-TM1.1

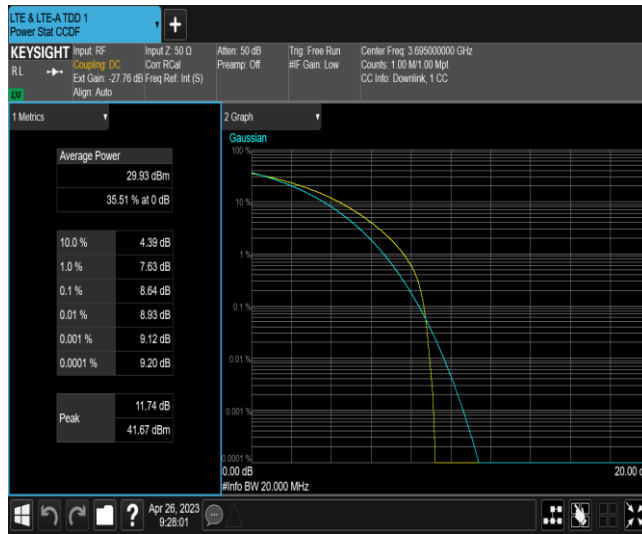


Band48-10MHz-QPSK-55990-E-TM1.1





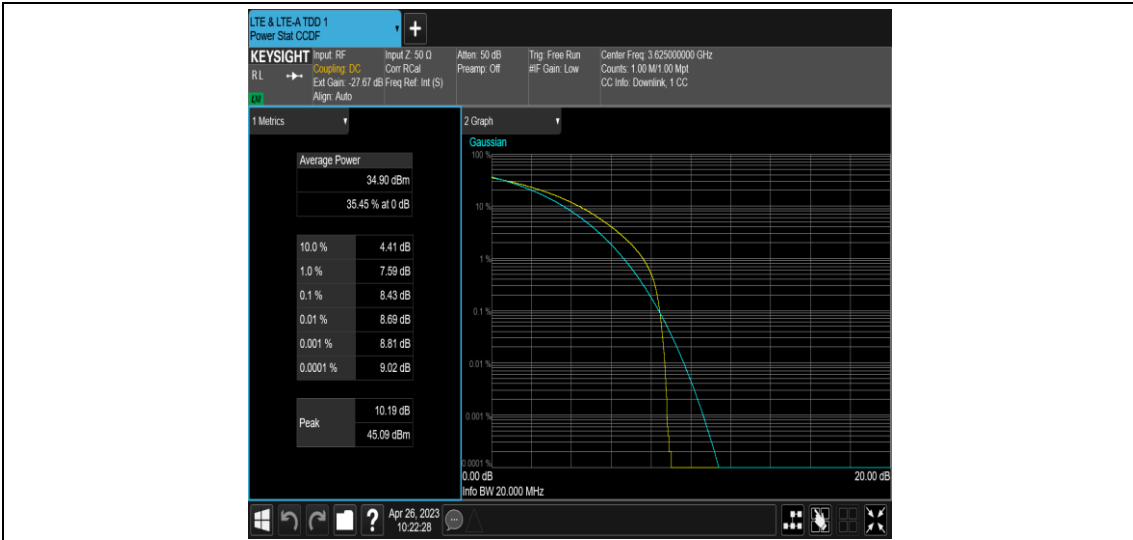
Band48-10MHz-QPSK-56690-E-TM1.1



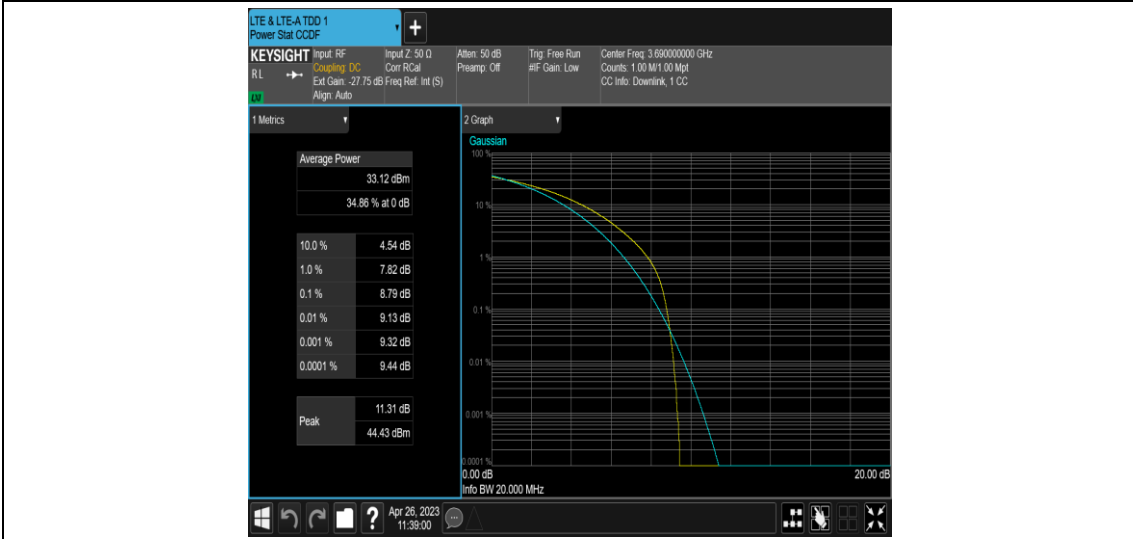
Band48-20MHz-256QAM-55340-E-TM3.1A



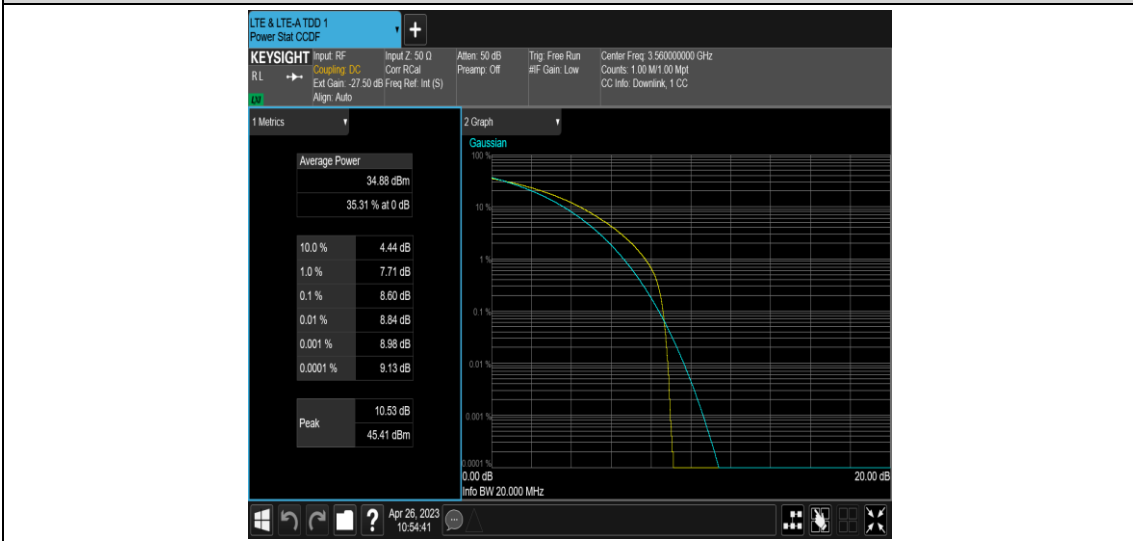
Band48-20MHz-256QAM-55990-E-TM3.1A



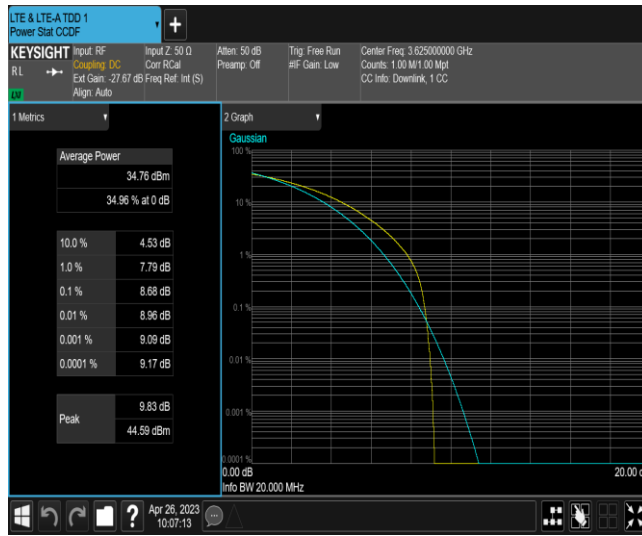
Band48-20MHz-256QAM-56640-E-TM3.1A



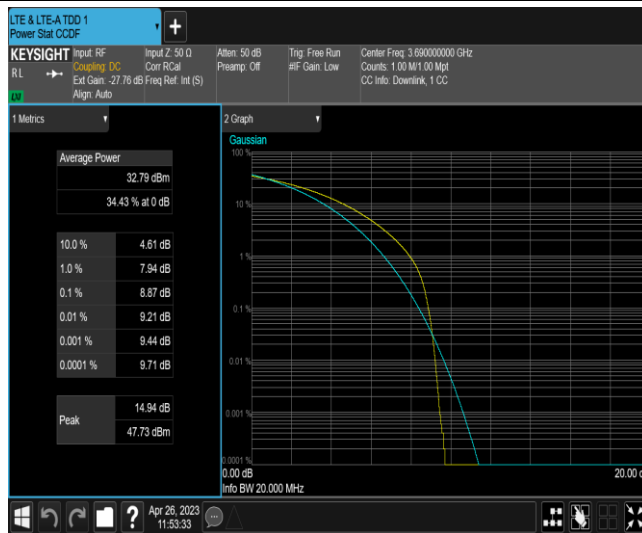
Band48-20MHz-QPSK-55340-E-TM1.1



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



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



## Appendix C: 26dB Bandwidth and Occupied Bandwidth

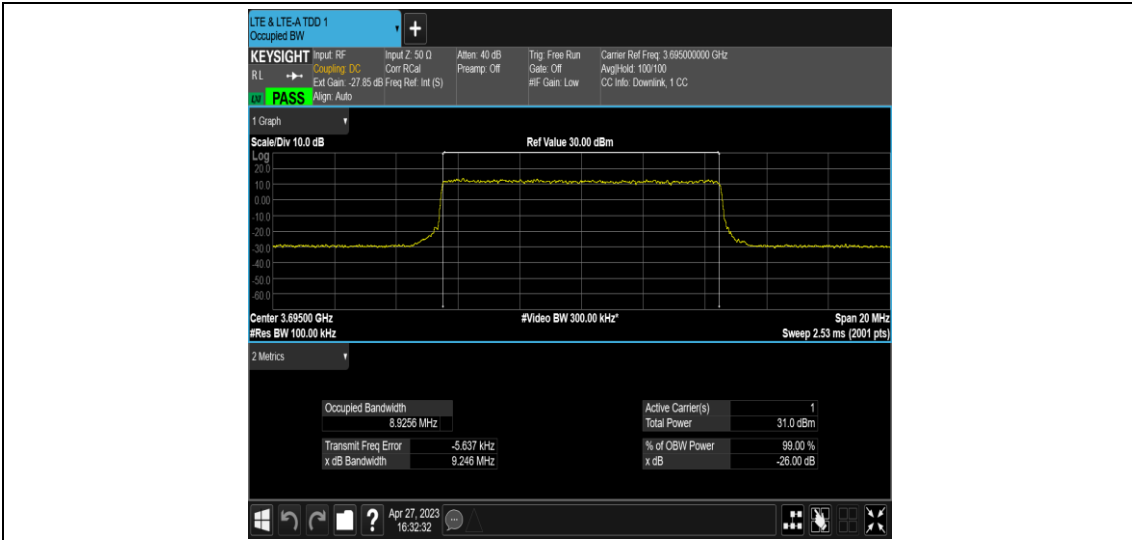
### 1) Test For ANT1 Test Result

#### Test Result

Band	Bandwidth	Modulation	Channel	Mode	99%(MHz)	EBW(MHz)
Band48	10MHz	256QAM	55290	E-TM3.1A	8.9068	9.277
Band48	10MHz	256QAM	55990	E-TM3.1A	8.8963	9.273
Band48	10MHz	256QAM	56690	E-TM3.1A	8.9256	9.246
Band48	10MHz	QPSK	55290	E-TM1.1	8.9286	9.269
Band48	10MHz	QPSK	55990	E-TM1.1	8.9131	9.307
Band48	10MHz	QPSK	56690	E-TM1.1	8.9031	9.301
Band48	20MHz	256QAM	55340	E-TM3.1A	17.816	18.54
Band48	20MHz	256QAM	55990	E-TM3.1A	17.849	18.50
Band48	20MHz	256QAM	56640	E-TM3.1A	17.859	18.51
Band48	20MHz	QPSK	55340	E-TM1.1	17.828	18.48
Band48	20MHz	QPSK	55990	E-TM1.1	17.828	18.50
Band48	20MHz	QPSK	56640	E-TM1.1	17.818	18.53

**Test Graphs**





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



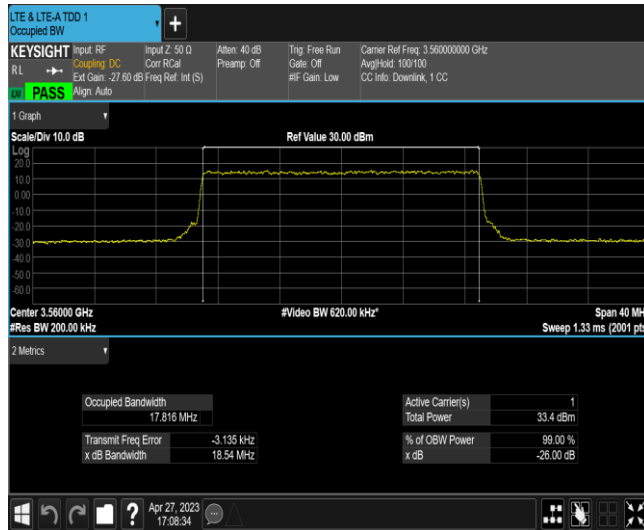
Band48-10MHz-QPSK-55990-E-TM1.1



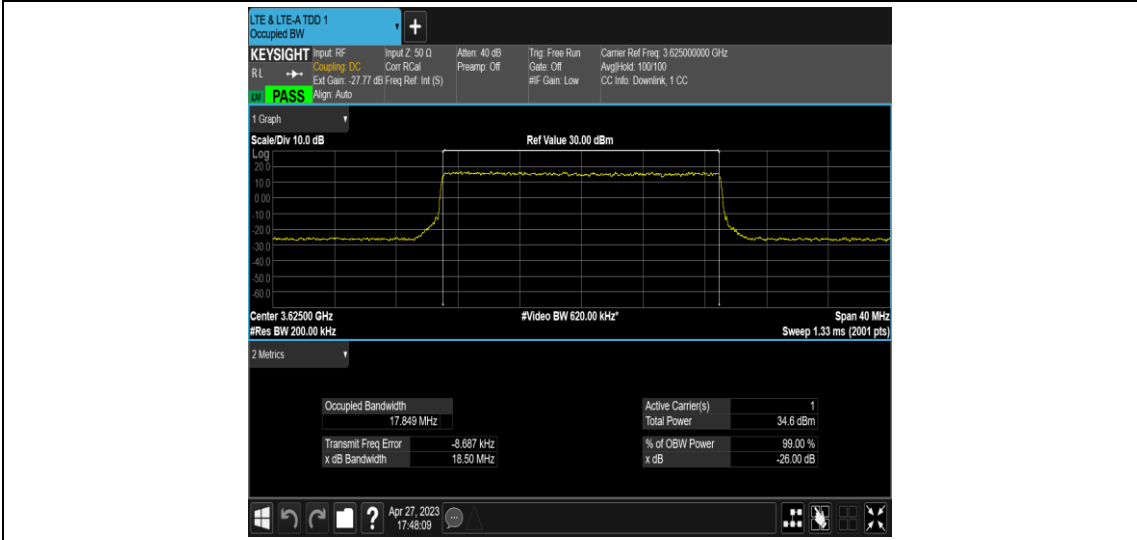
Band48-10MHz-QPSK-56690-E-TM1.1



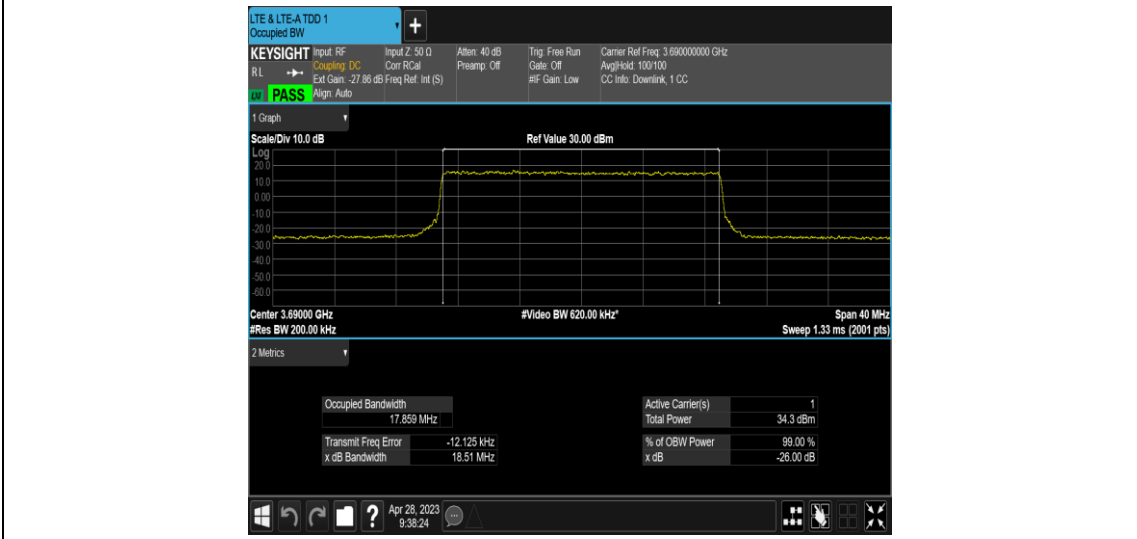
Band48-20MHz-256QAM-55340-E-TM3.1A



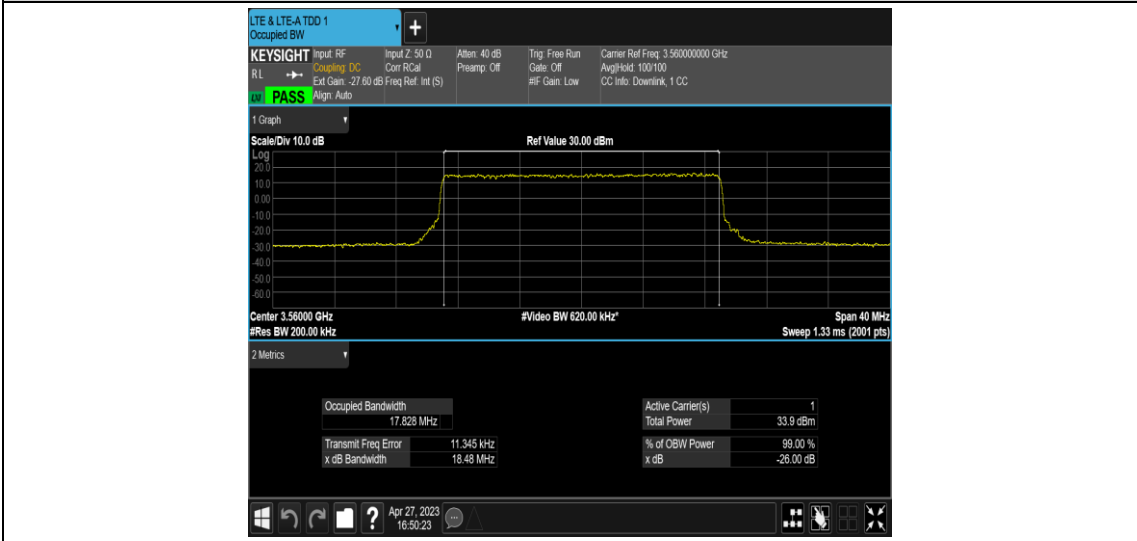
Band48-20MHz-256QAM-55990-E-TM3.1A



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

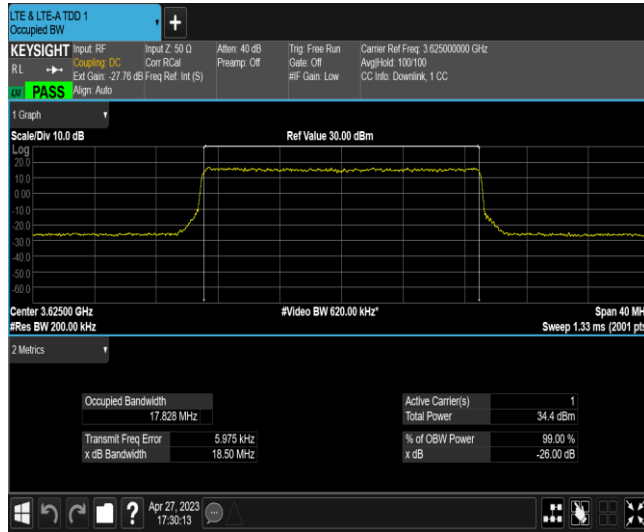


Band48-20MHz-QPSK-55340-E-TM1.1

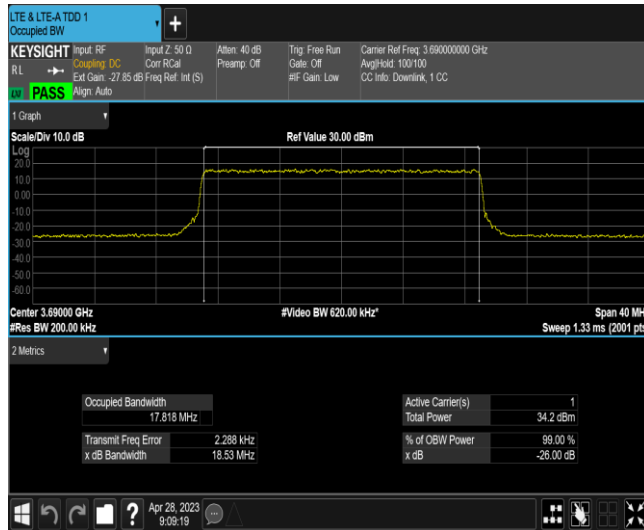




Band48-20MHz-QPSK-55990-E-TM1.1



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



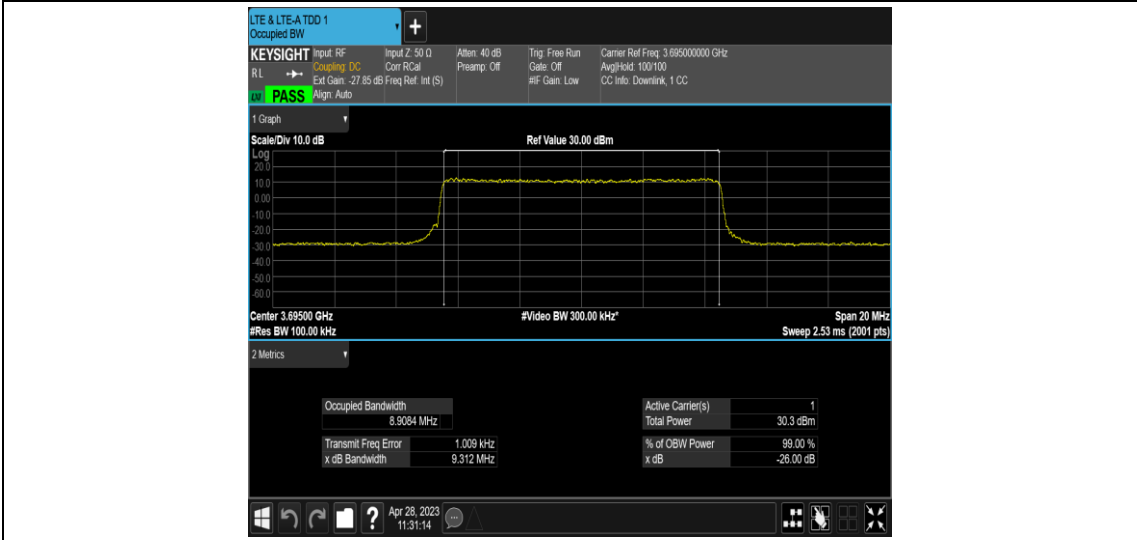
## 2)Test For ANT2 Test Result

### Test Result

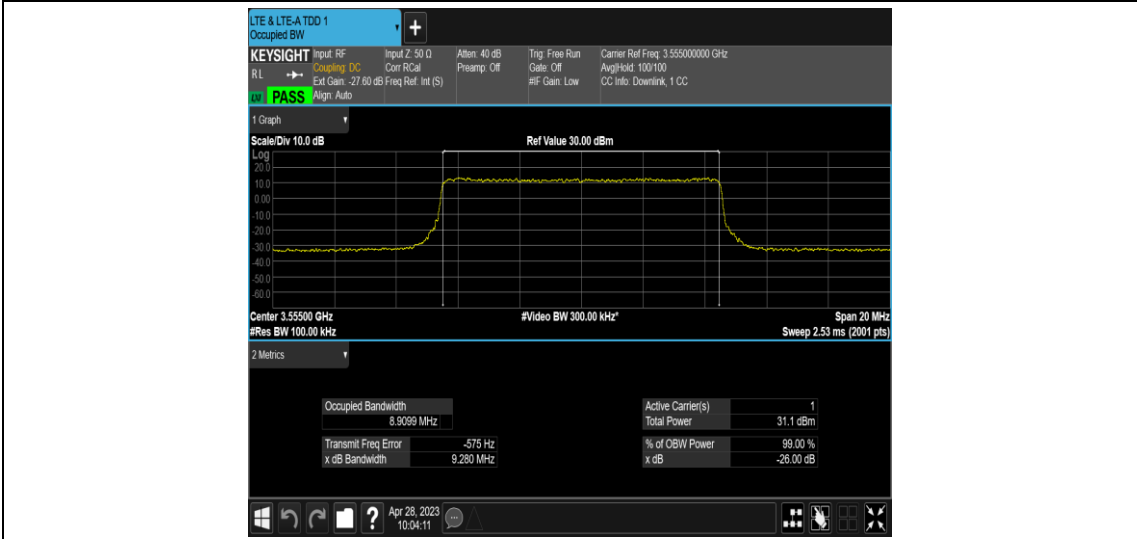
Band	Bandwidth	Modulation	Channel	Mode	99%(MHz)	EBW(MHz)
Band48	10MHz	256QAM	55290	E-TM3.1A	8.8999	9.271
Band48	10MHz	256QAM	55990	E-TM3.1A	8.9159	9.325
Band48	10MHz	256QAM	56690	E-TM3.1A	8.9084	9.312
Band48	10MHz	QPSK	55290	E-TM1.1	8.9099	9.280
Band48	10MHz	QPSK	55990	E-TM1.1	8.9027	9.300
Band48	10MHz	QPSK	56690	E-TM1.1	8.9087	9.302
Band48	20MHz	256QAM	55340	E-TM3.1A	17.833	18.52
Band48	20MHz	256QAM	55990	E-TM3.1A	17.822	18.51
Band48	20MHz	256QAM	56640	E-TM3.1A	17.823	18.62
Band48	20MHz	QPSK	55340	E-TM1.1	17.862	18.56
Band48	20MHz	QPSK	55990	E-TM1.1	17.845	18.49
Band48	20MHz	QPSK	56640	E-TM1.1	17.816	18.52

**Test Graphs**

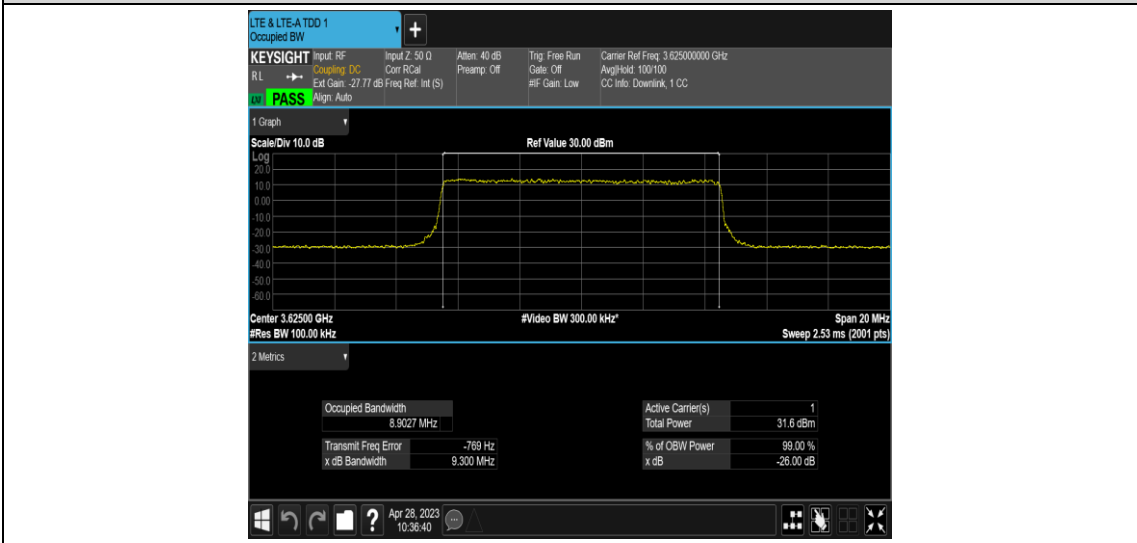




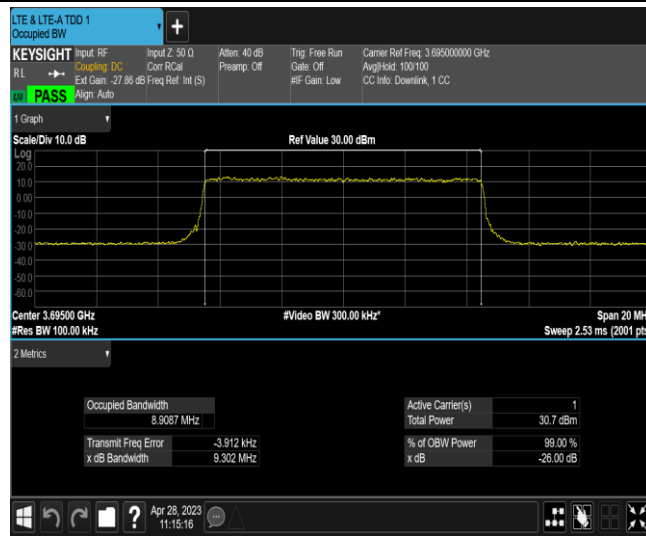
Band48-10MHz-QPSK-55290-E-TM1.1



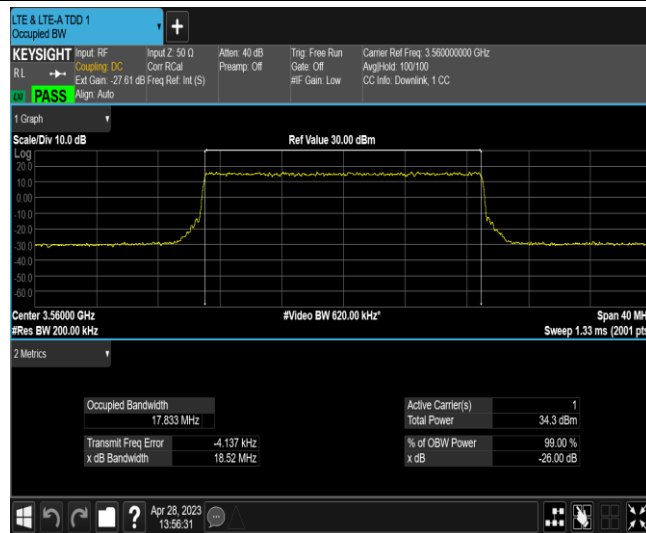
Band48-10MHz-QPSK-55990-E-TM1.1



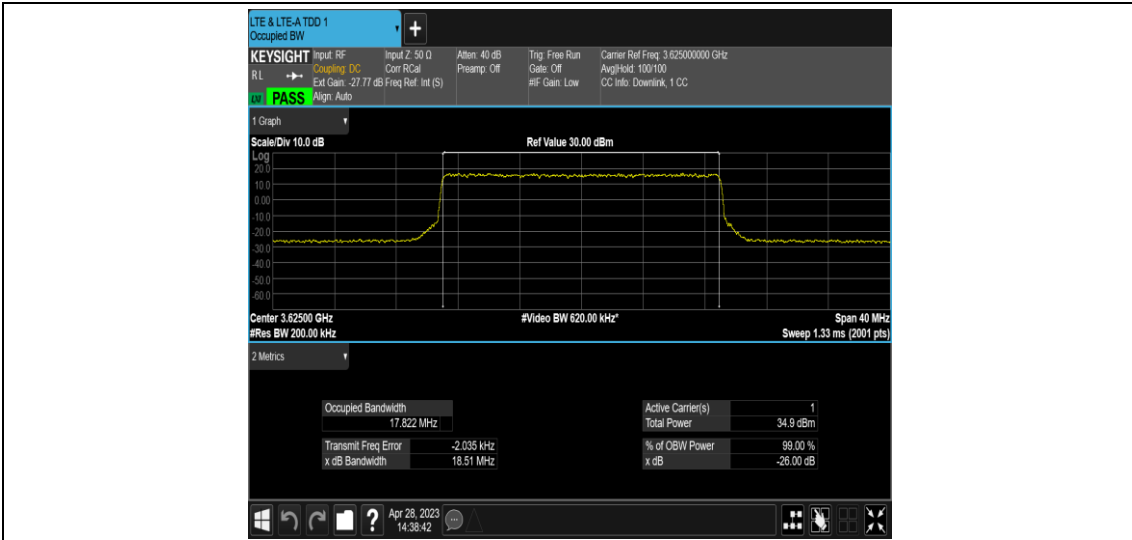
Band48-10MHz-QPSK-56690-E-TM1.1



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



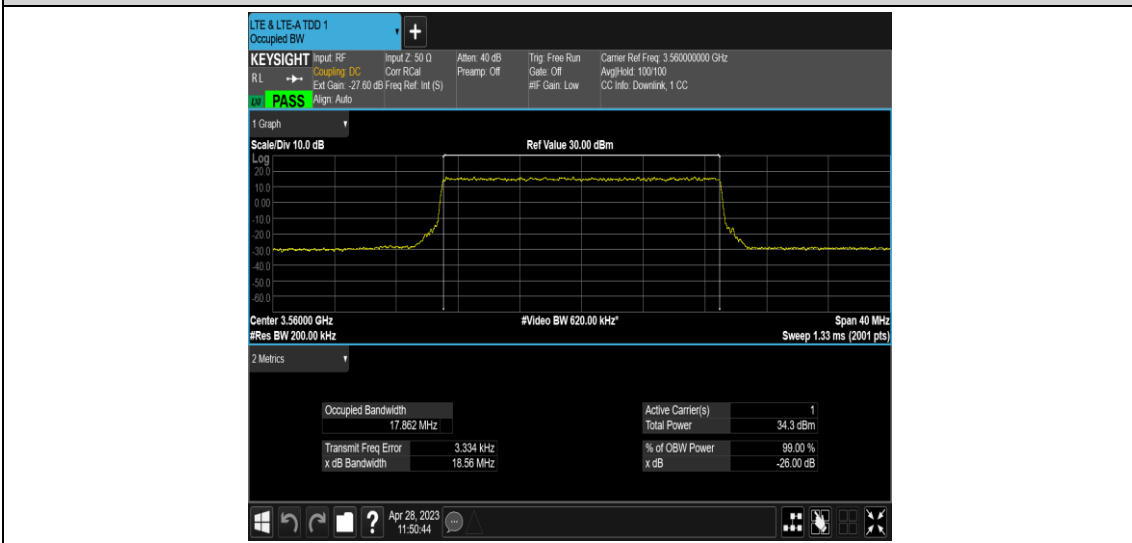
Band48-20MHz-256QAM-55990-E-TM3.1A



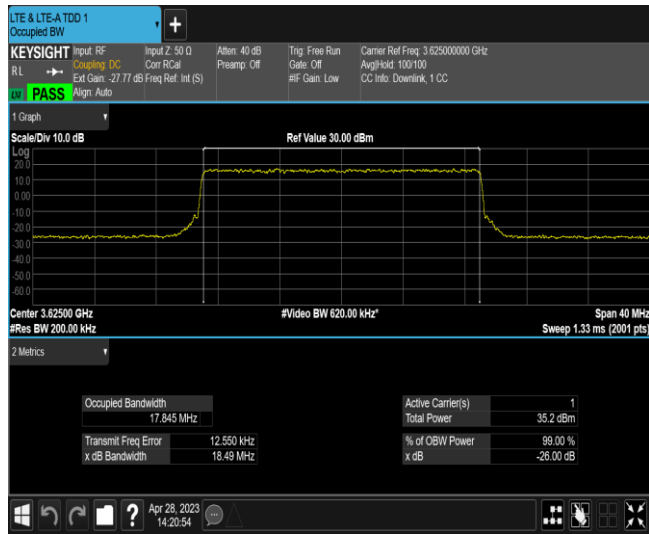
Band48-20MHz-256QAM-56640-E-TM3.1A



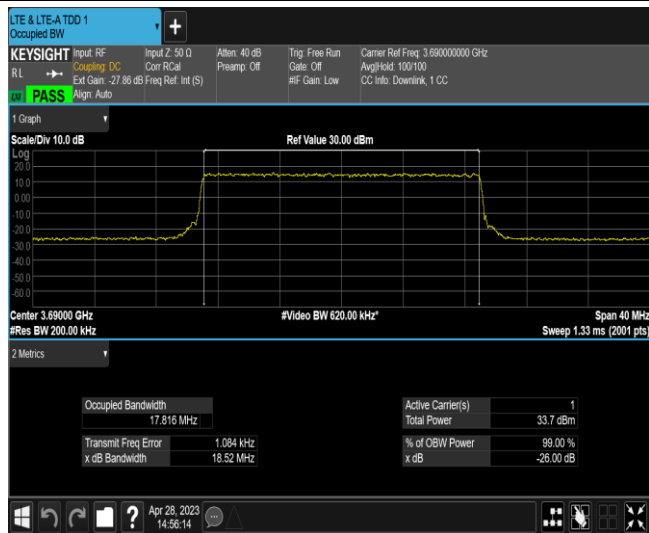
Band48-20MHz-QPSK-55340-E-TM1.1



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



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



### 3)Test For ANT3 Test Result

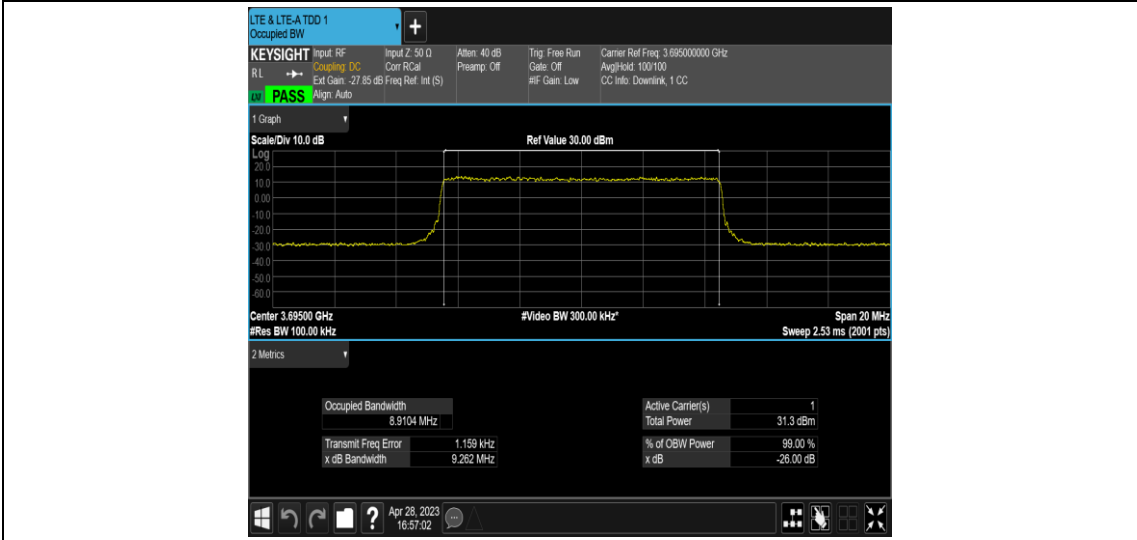
#### Test Result

Band	Bandwidth	Modulation	Channel	Mode	99%(MHz)	EBW(MHz)
Band48	10MHz	256QAM	55290	E-TM3.1A	8.9237	9.285
Band48	10MHz	256QAM	55990	E-TM3.1A	8.9082	9.265
Band48	10MHz	256QAM	56690	E-TM3.1A	8.9104	9.262
Band48	10MHz	QPSK	55290	E-TM1.1	8.9159	9.272
Band48	10MHz	QPSK	55990	E-TM1.1	8.9233	9.287
Band48	10MHz	QPSK	56690	E-TM1.1	8.9053	9.375
Band48	20MHz	256QAM	55340	E-TM3.1A	17.829	18.48
Band48	20MHz	256QAM	55990	E-TM3.1A	17.857	18.53
Band48	20MHz	256QAM	56640	E-TM3.1A	17.811	18.54
Band48	20MHz	QPSK	55340	E-TM1.1	17.817	18.53
Band48	20MHz	QPSK	55990	E-TM1.1	17.821	18.49
Band48	20MHz	QPSK	56640	E-TM1.1	17.826	18.50

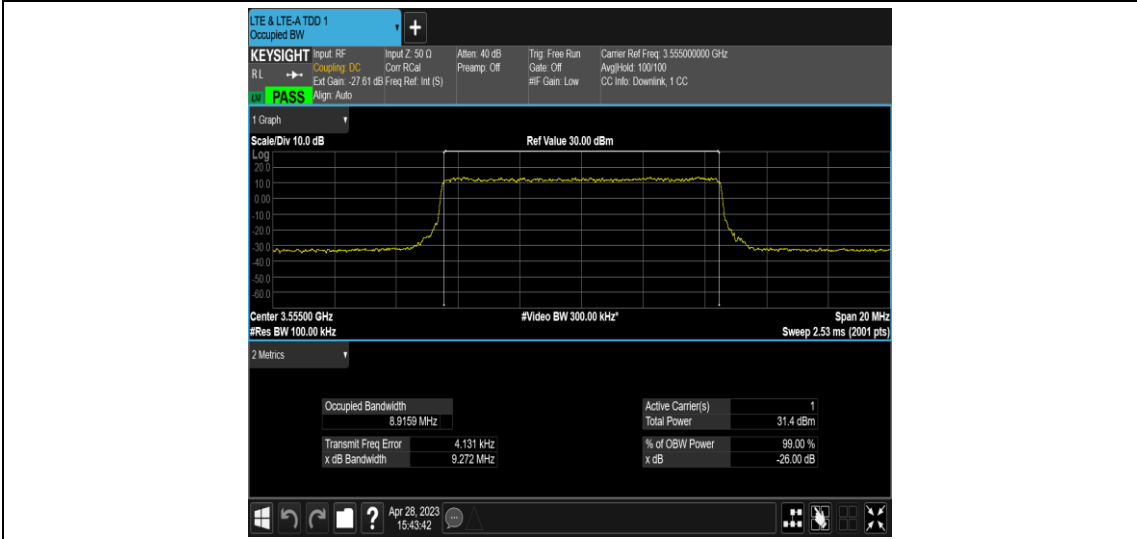


**Test Graphs**





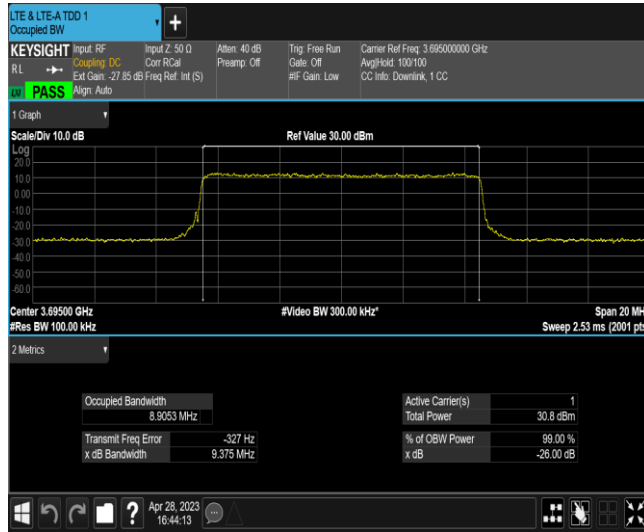
Band48-10MHz-QPSK-55290-E-TM1.1



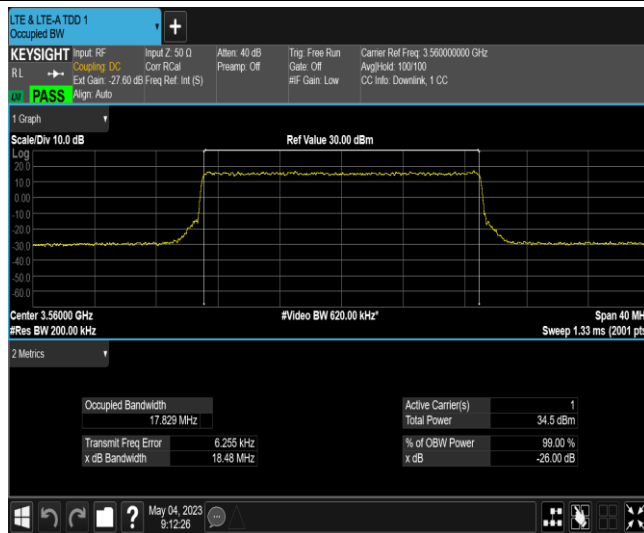
Band48-10MHz-QPSK-55990-E-TM1.1



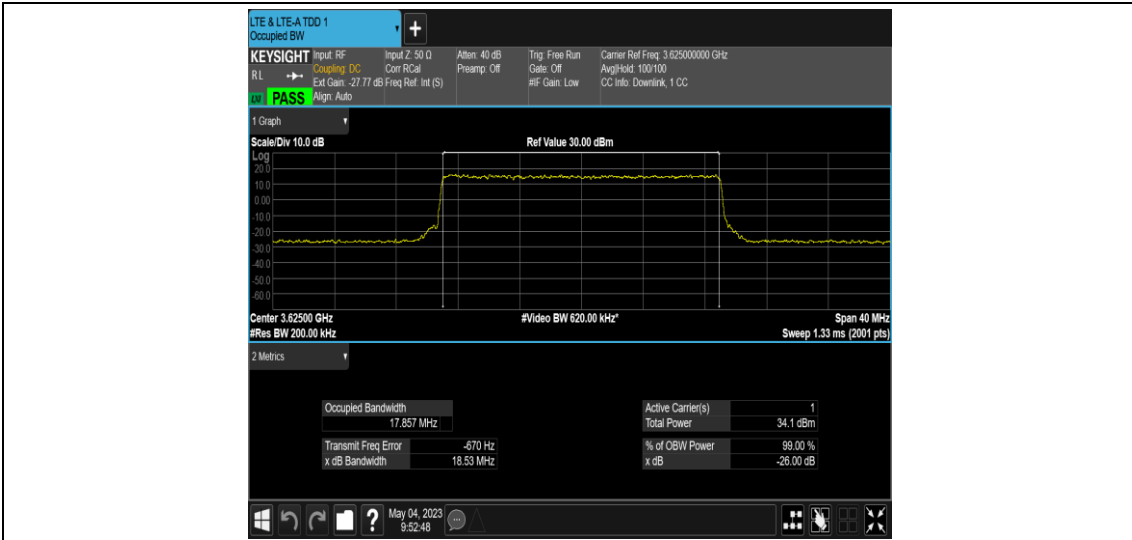
Band48-10MHz-QPSK-56690-E-TM1.1



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



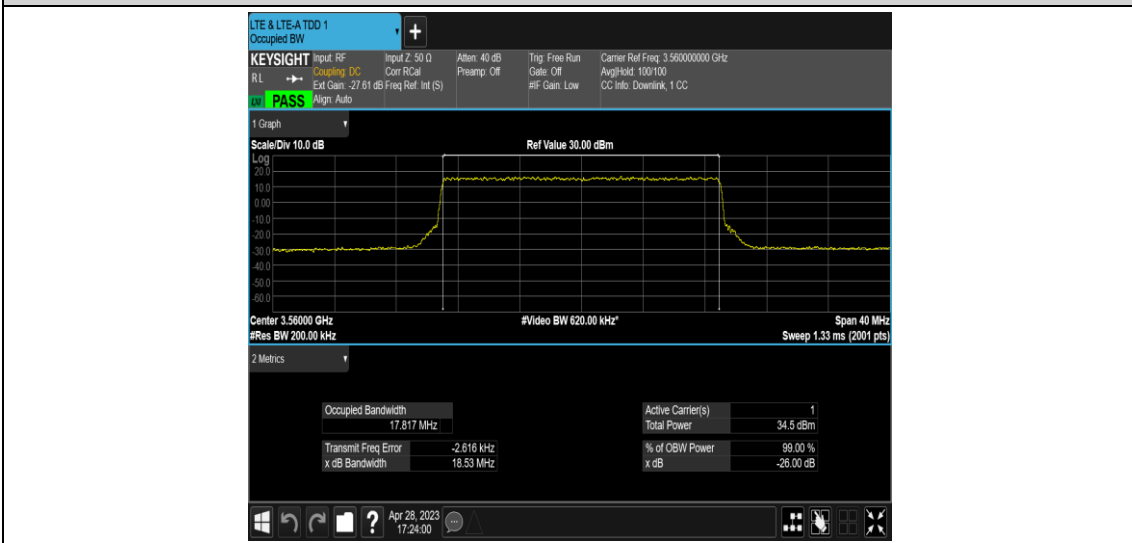
Band48-20MHz-256QAM-55990-E-TM3.1A



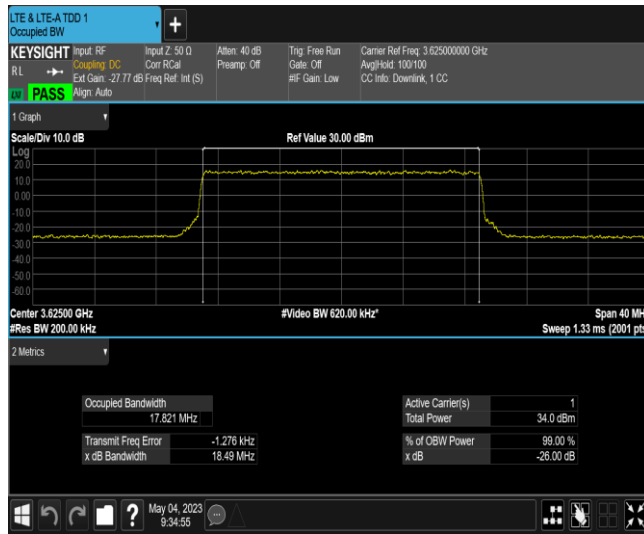
Band48-20MHz-256QAM-56640-E-TM3.1A



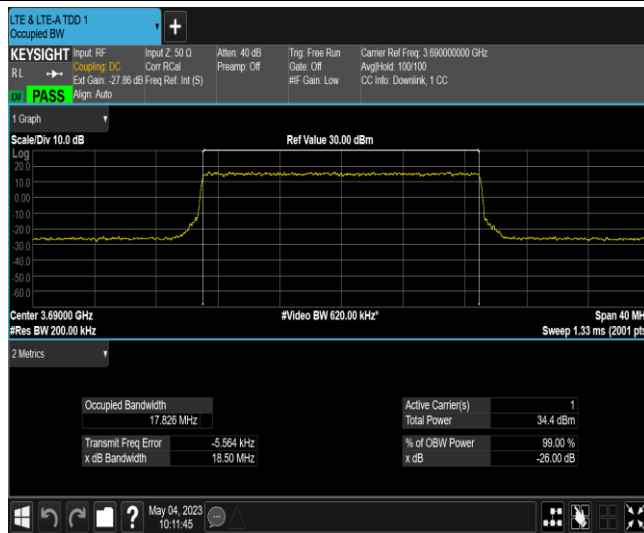
Band48-20MHz-QPSK-55340-E-TM1.1



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



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



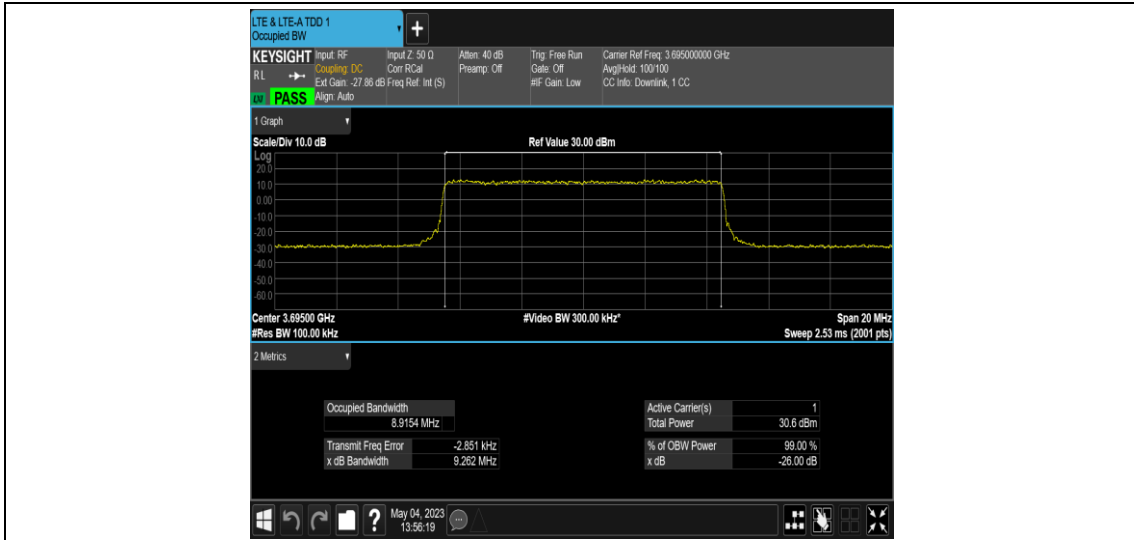
#### 4)Test For ANT4 Test Result

##### Test Result

Band	Bandwidth	Modulation	Channel	Mode	99%(MHz)	EBW(MHz)
Band48	10MHz	256QAM	55290	E-TM3.1A	8.9126	9.309
Band48	10MHz	256QAM	55990	E-TM3.1A	8.9115	9.288
Band48	10MHz	256QAM	56690	E-TM3.1A	8.9154	9.262
Band48	10MHz	QPSK	55290	E-TM1.1	8.9245	9.283
Band48	10MHz	QPSK	55990	E-TM1.1	8.9197	9.331
Band48	10MHz	QPSK	56690	E-TM1.1	8.9062	9.329
Band48	20MHz	256QAM	55340	E-TM3.1A	17.823	18.48
Band48	20MHz	256QAM	55990	E-TM3.1A	17.825	18.56
Band48	20MHz	256QAM	56640	E-TM3.1A	17.821	18.52
Band48	20MHz	QPSK	55340	E-TM1.1	17.814	18.51
Band48	20MHz	QPSK	55990	E-TM1.1	17.828	18.48
Band48	20MHz	QPSK	56640	E-TM1.1	17.816	18.55

**Test Graphs**

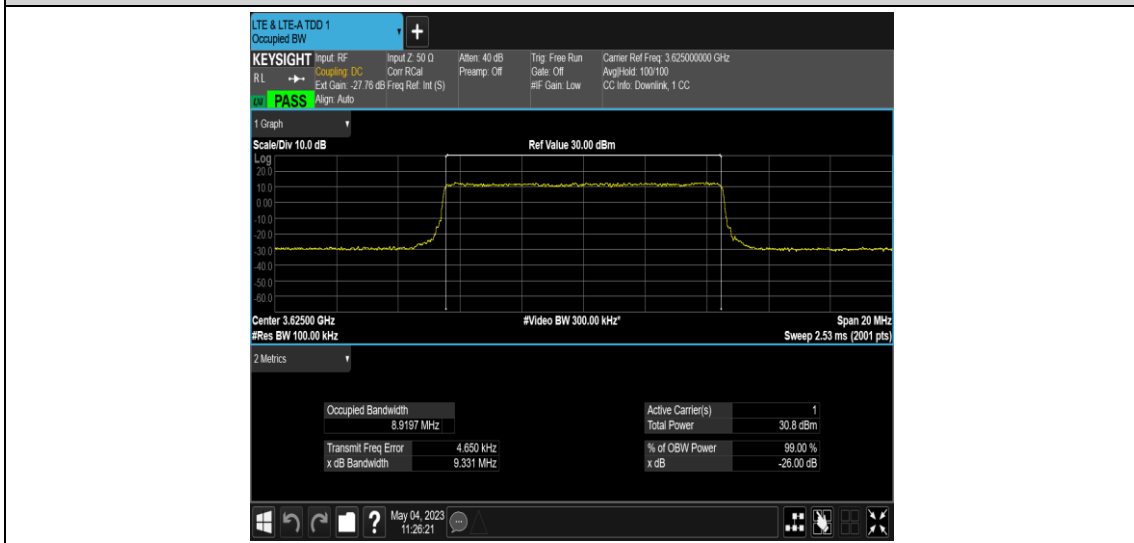




Band48-10MHz-QPSK-55290-E-TM1.1

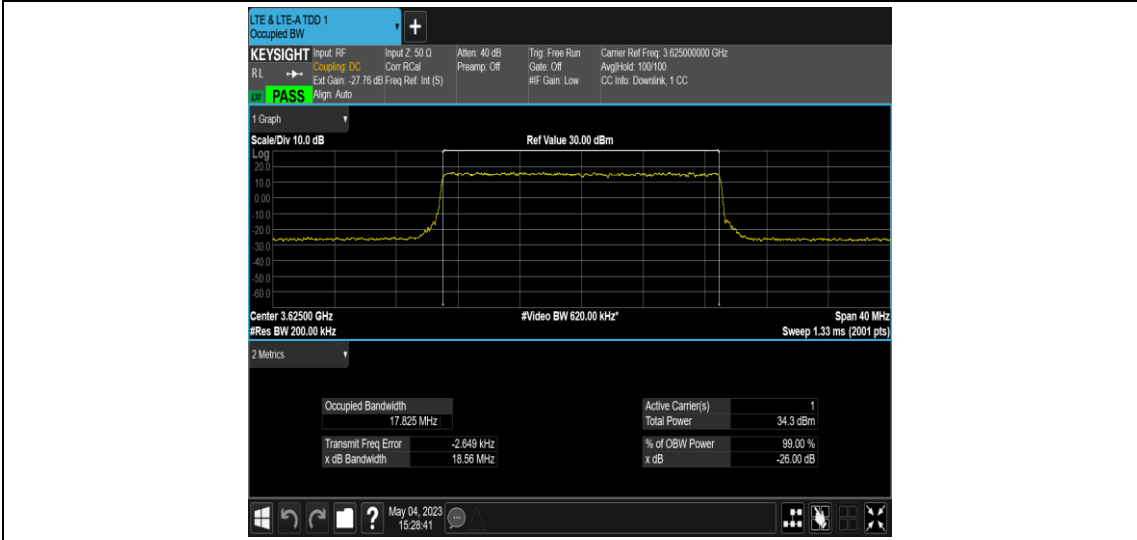


Band48-10MHz-QPSK-55990-E-TM1.1

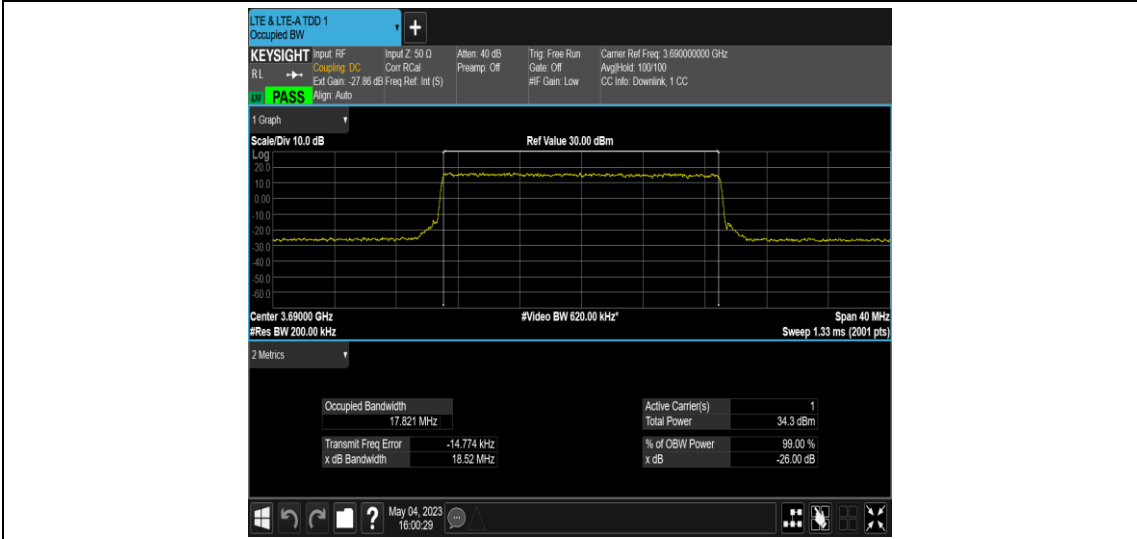




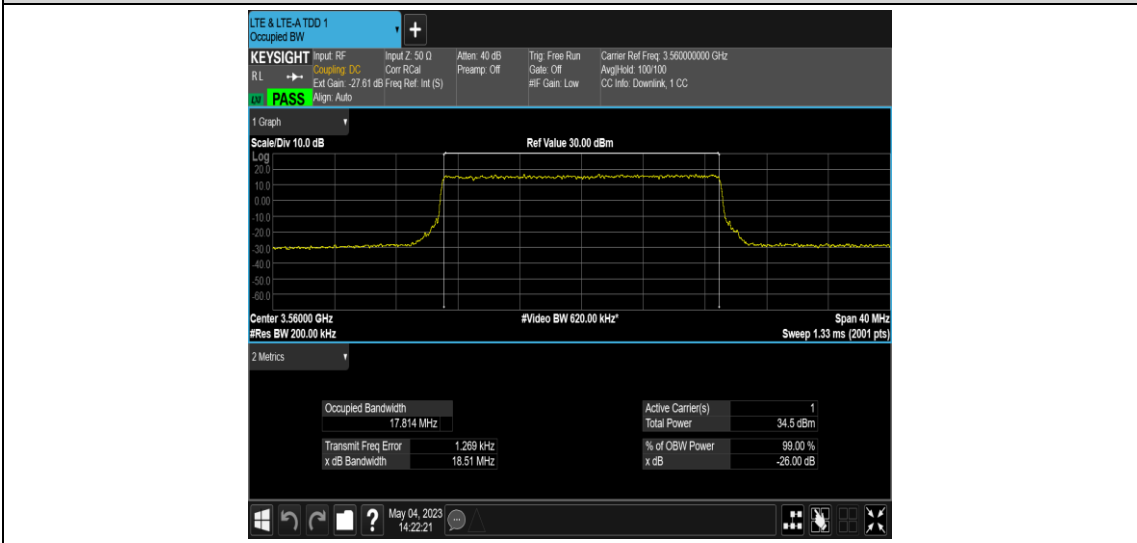




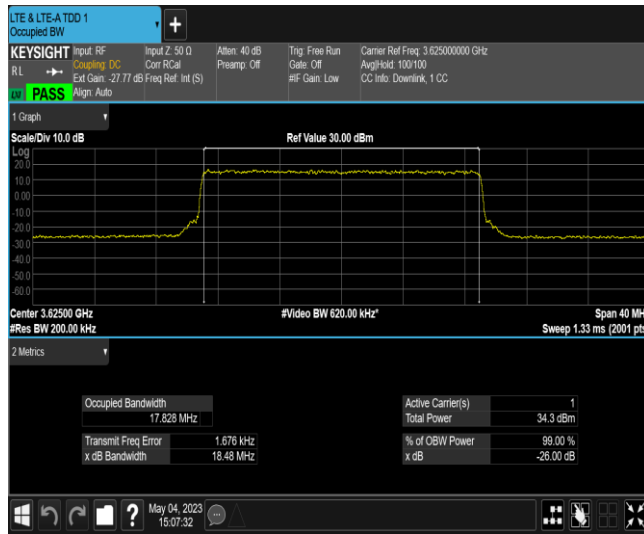
Band48-20MHz-256QAM-56640-E-TM3.1A



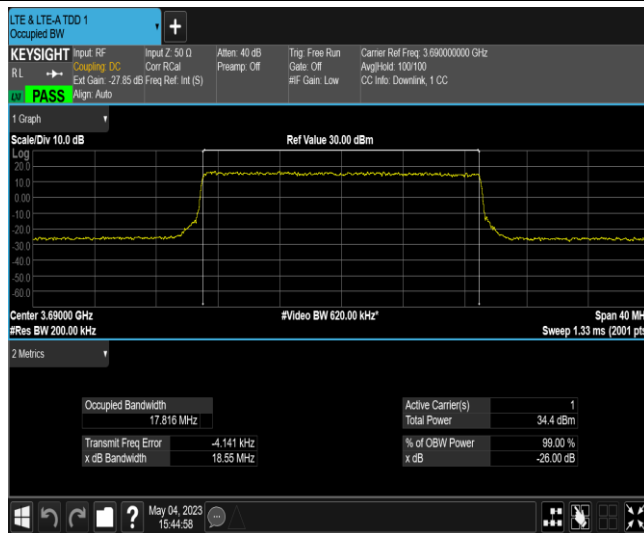
Band48-20MHz-QPSK-55340-E-TM1.1



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



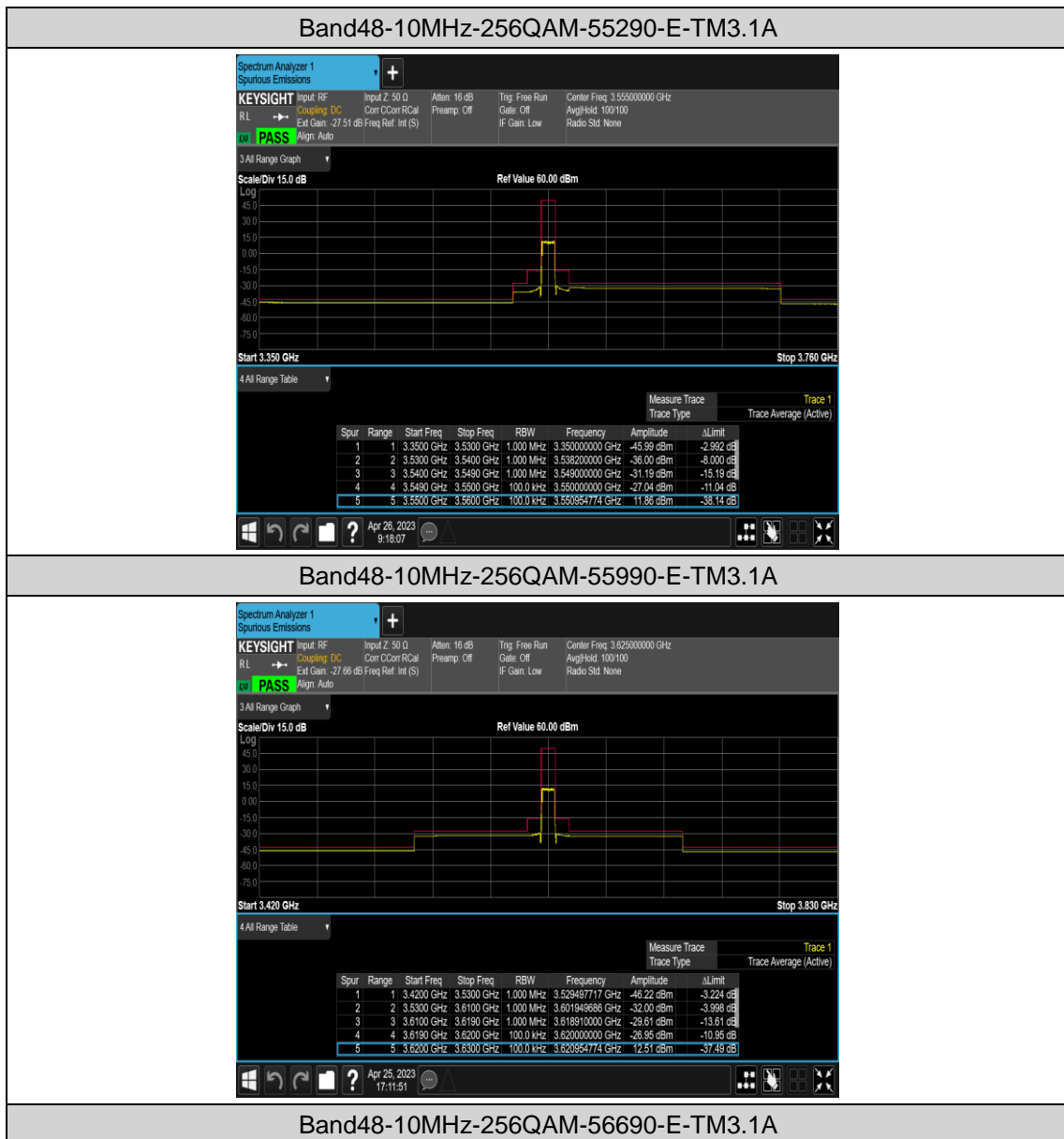
Band48-20MHz-QPSK-56640-E-TM1.1

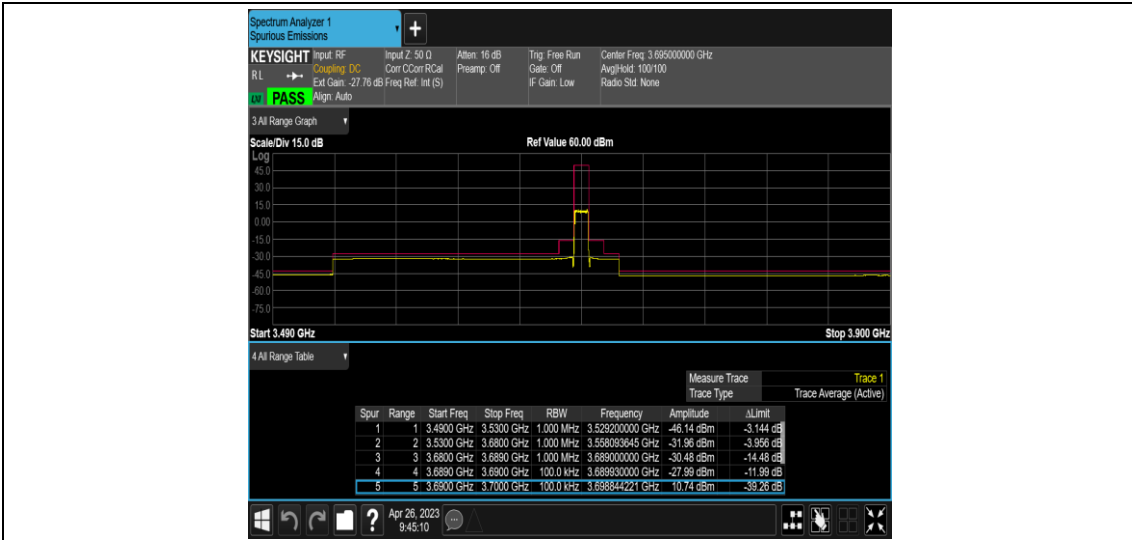


## Appendix D: Emission Mask

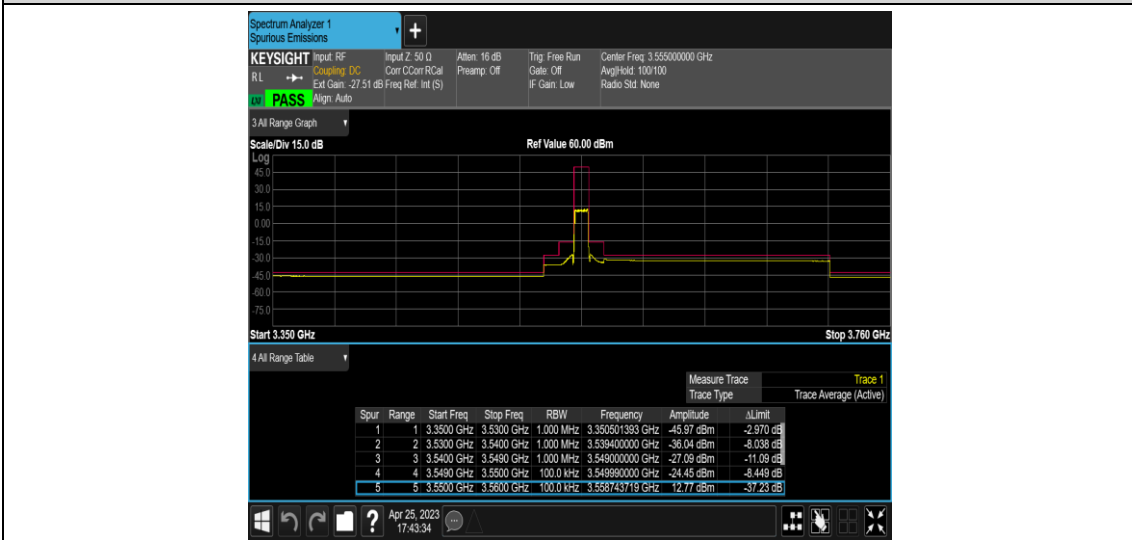
### 1) Test For ANT1 Test Result

#### Test Graphs

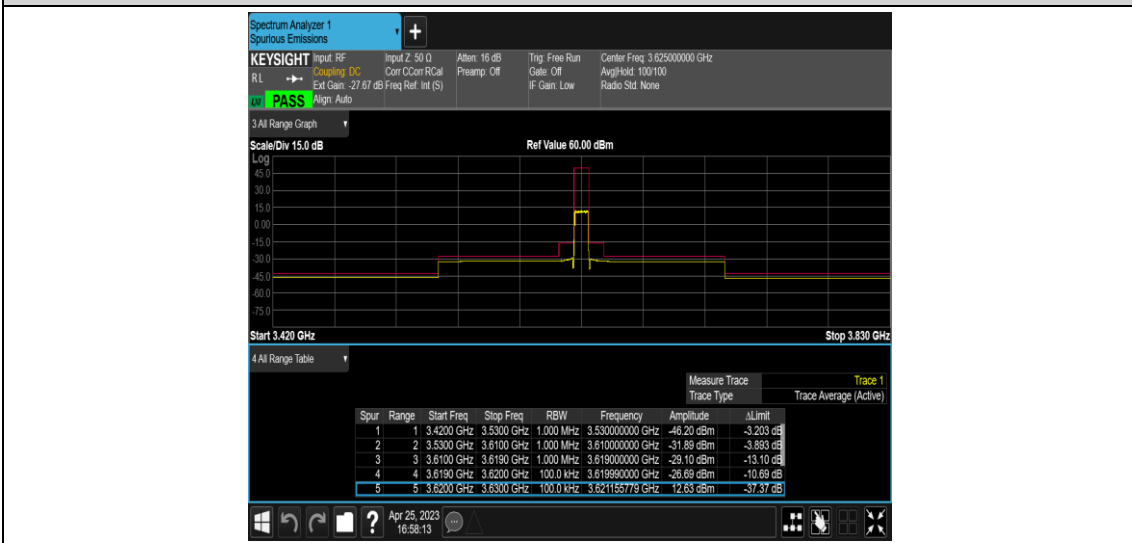




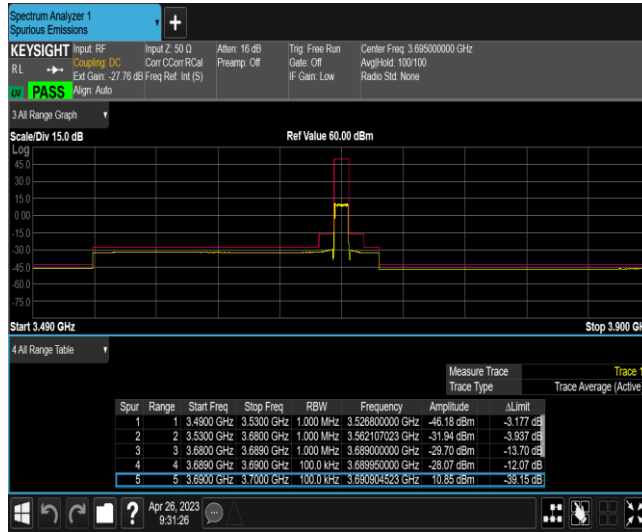
Band48-10MHz-QPSK-55290-E-TM1.1



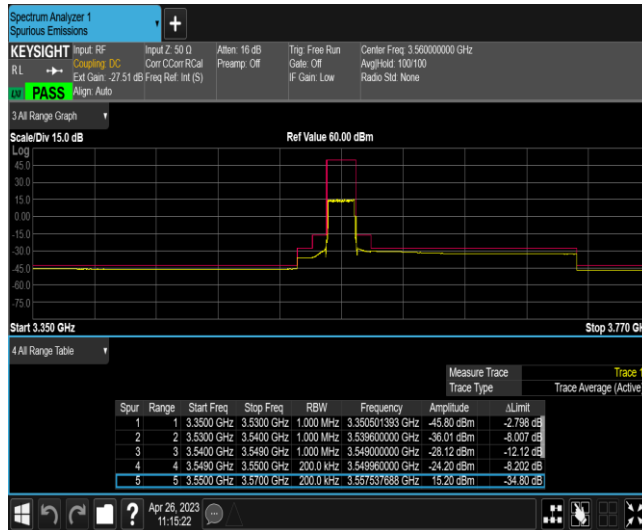
Band48-10MHz-QPSK-55990-E-TM1.1



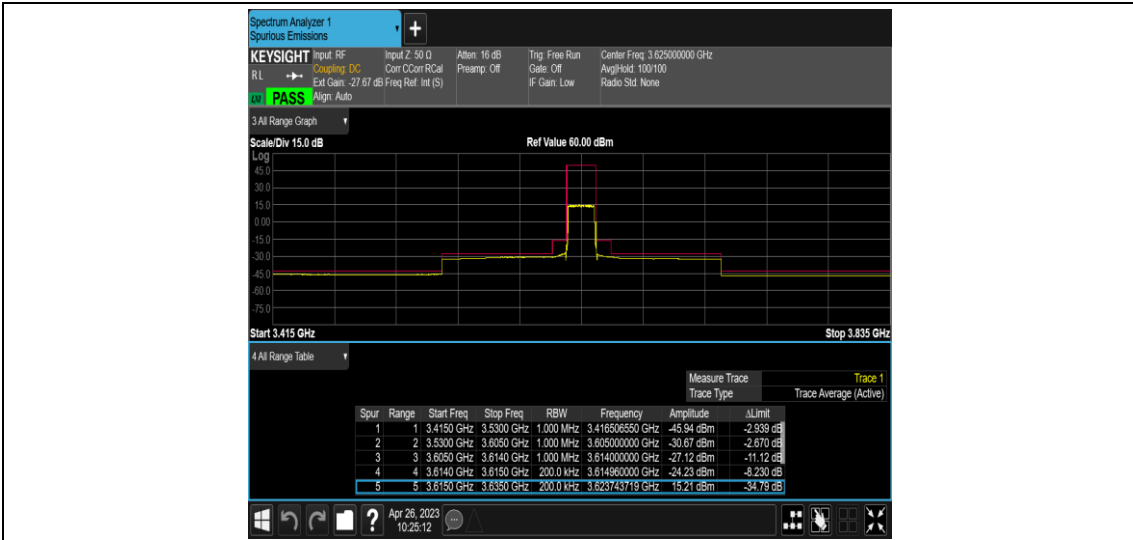
Band48-10MHz-QPSK-56690-E-TM1.1



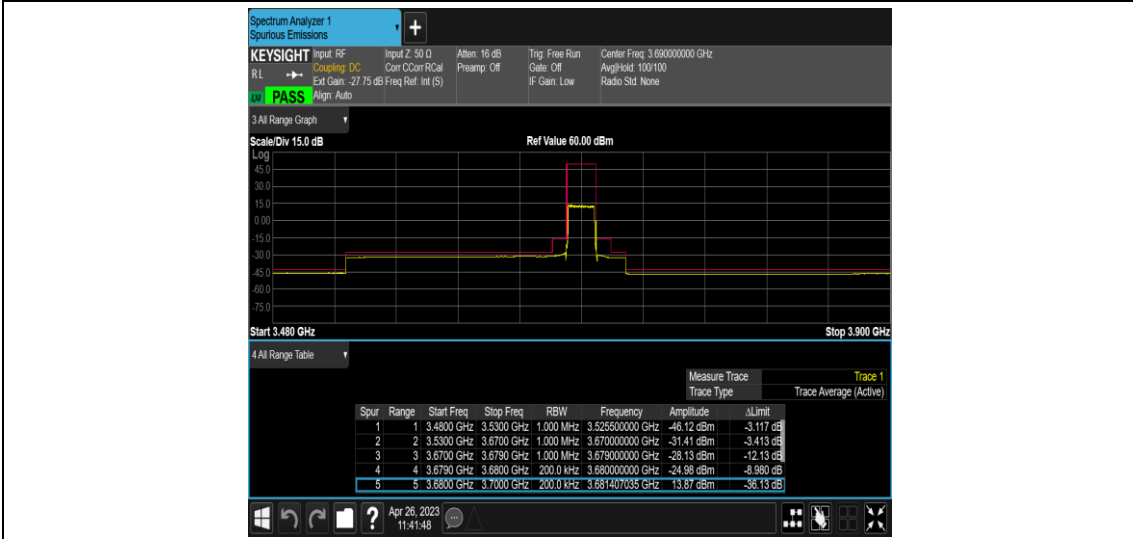
Band48-20MHz-256QAM-55340-E-TM3.1A



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



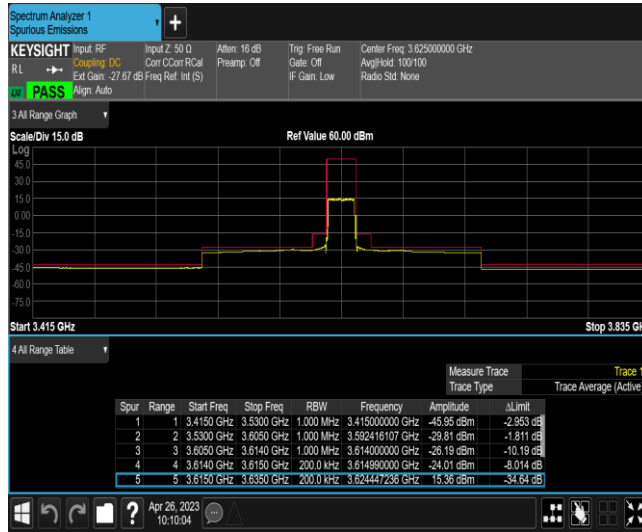
Band48-20MHz-256QAM-56640-E-TM3.1A



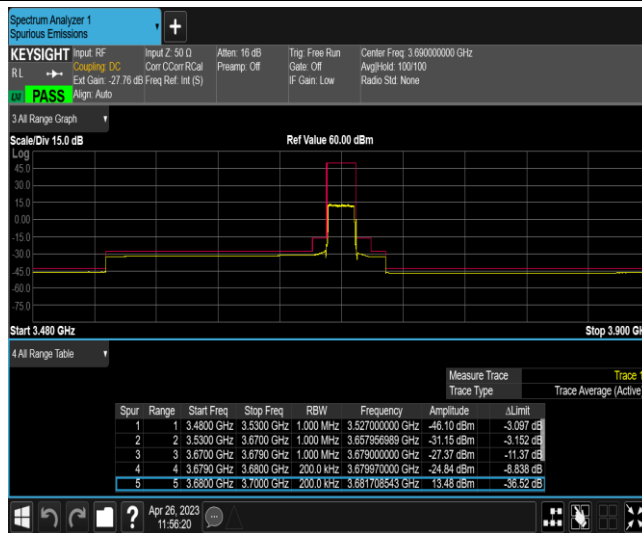
Band48-20MHz-QPSK-55340-E-TM1.1



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



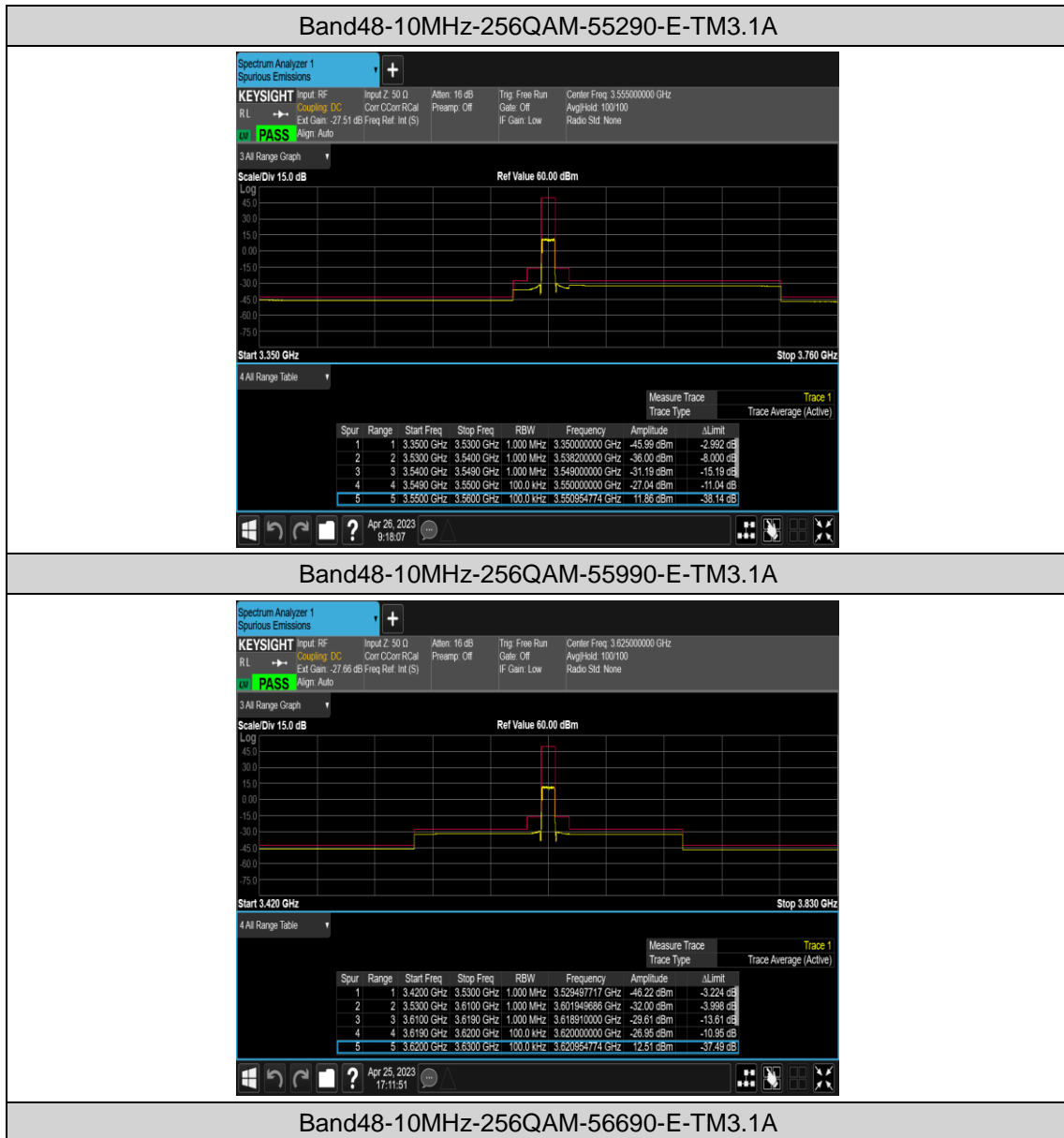
Band48-20MHz-QPSK-56640-E-TM1.1

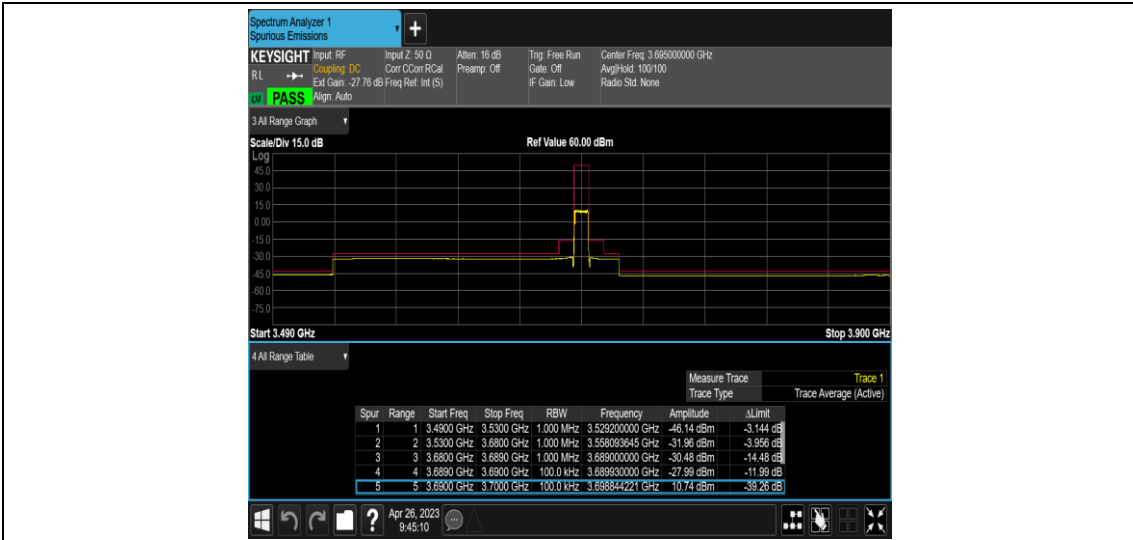




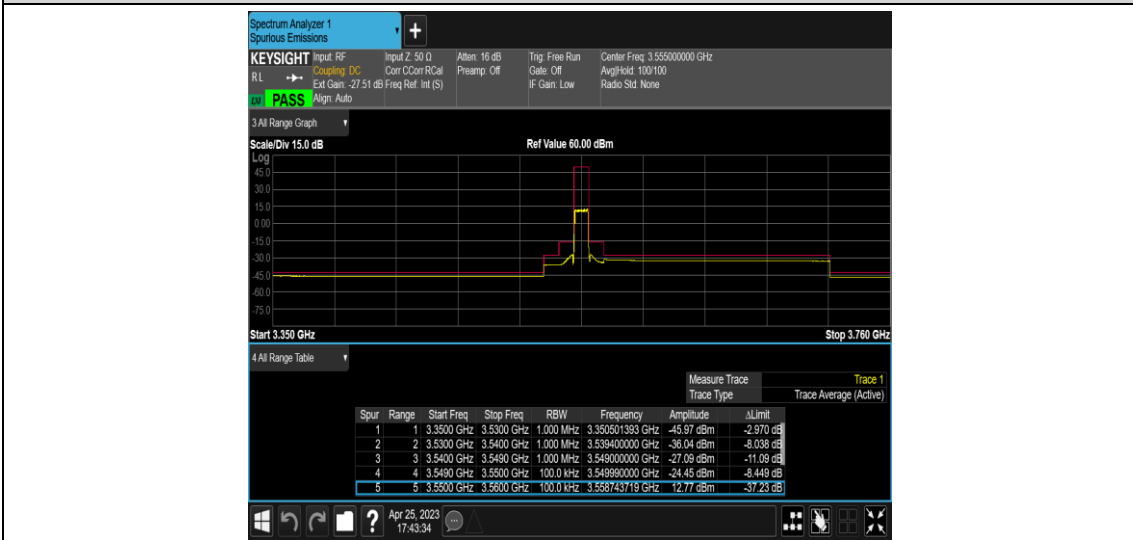
## 2)Test For ANT2 Test Result

### Test Graphs

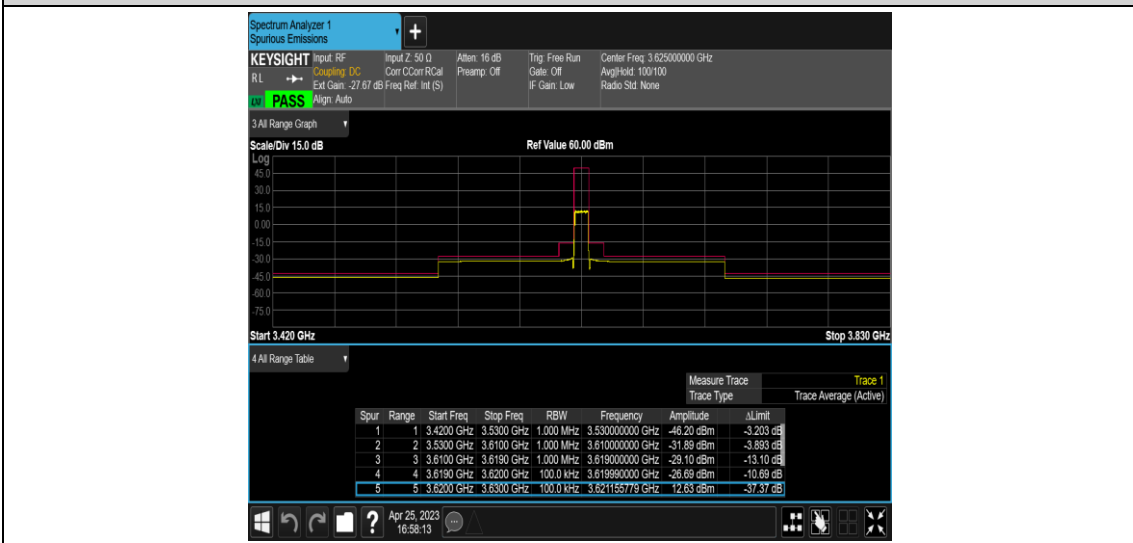




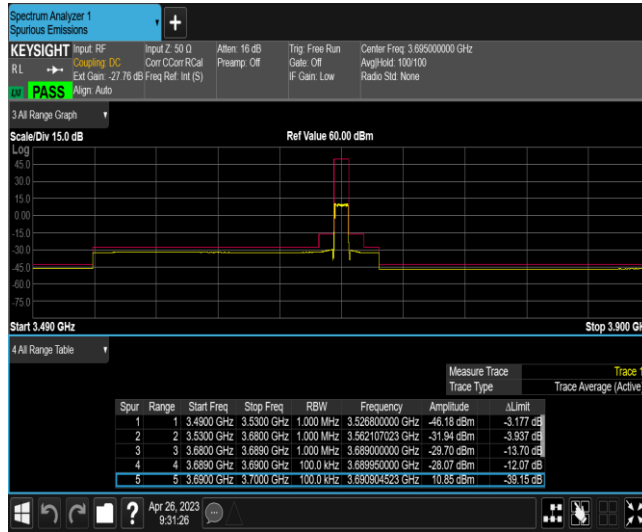
Band48-10MHz-QPSK-55290-E-TM1.1



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



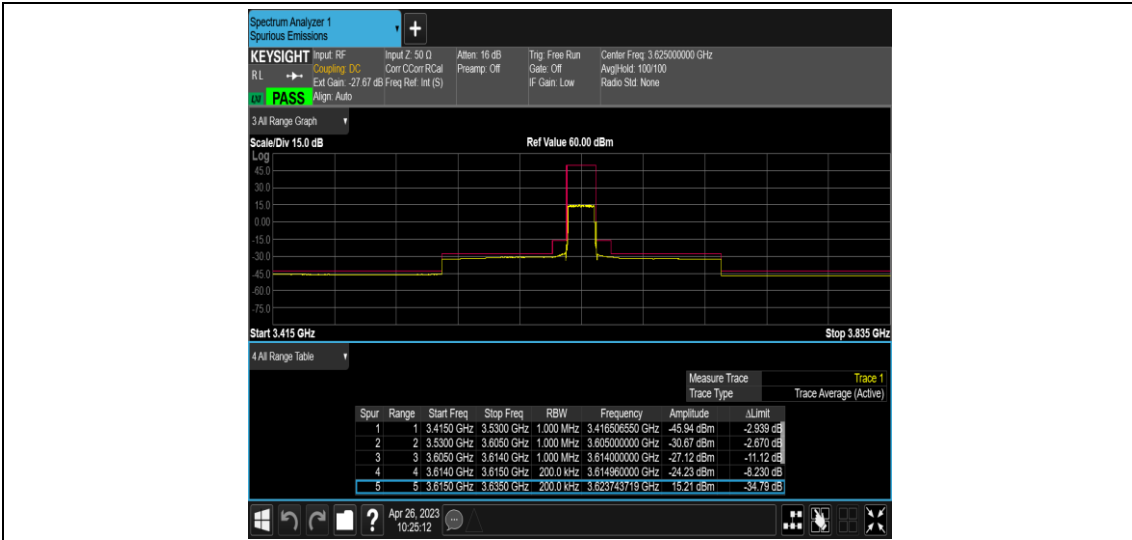
Band48-10MHz-QPSK-56690-E-TM1.1



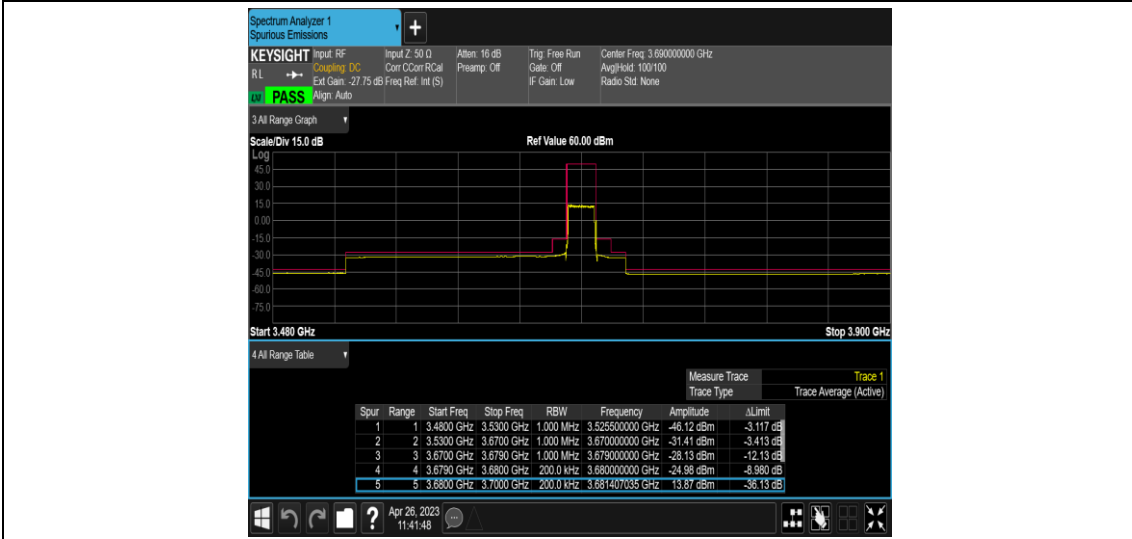
Band48-20MHz-256QAM-55340-E-TM3.1A



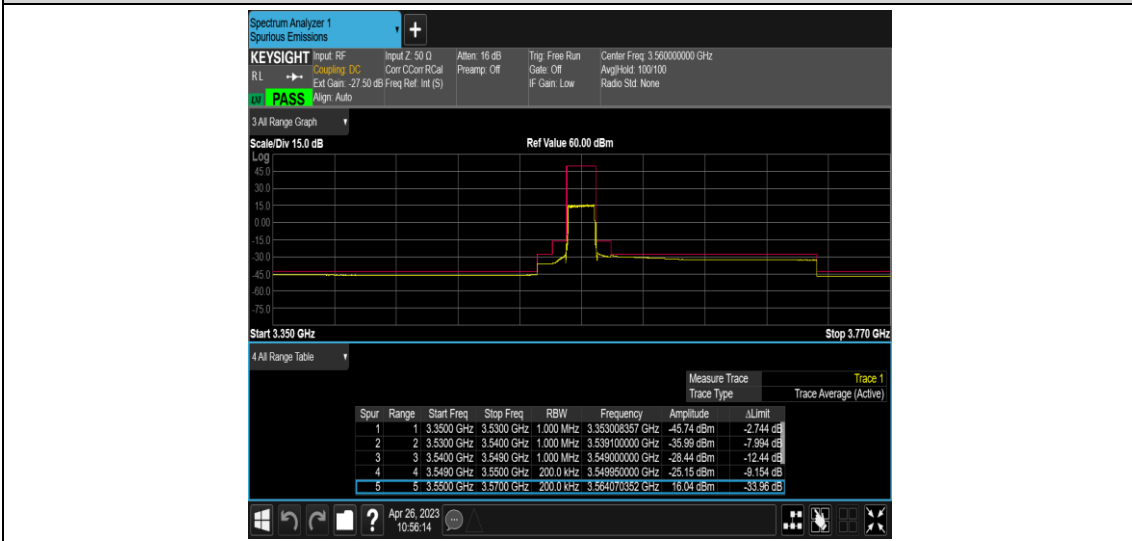
Band48-20MHz-256QAM-55990-E-TM3.1A



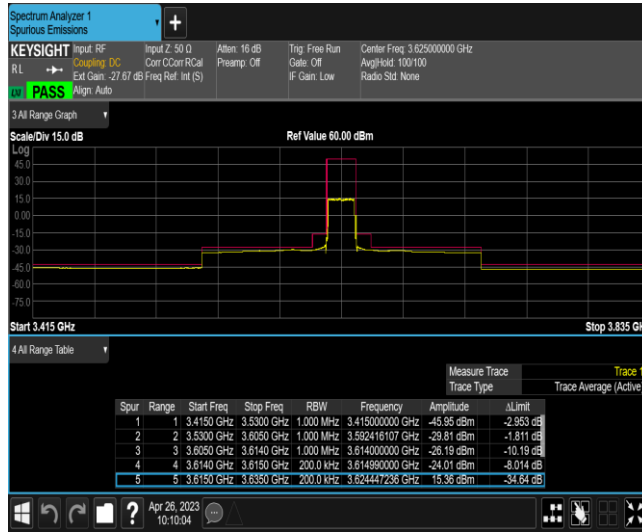
Band48-20MHz-256QAM-56640-E-TM3.1A



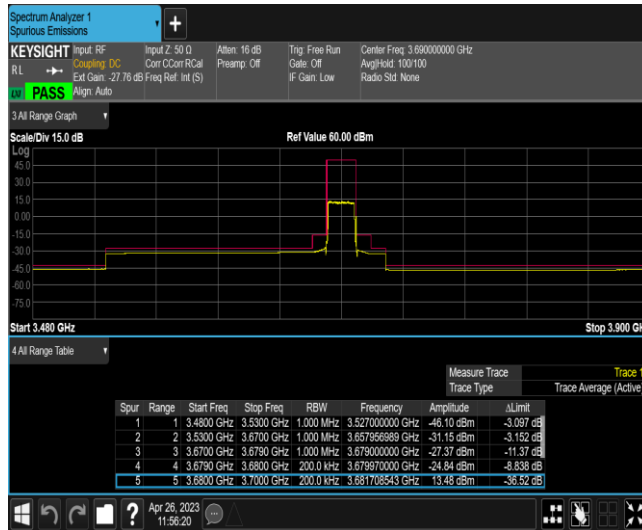
Band48-20MHz-QPSK-55340-E-TM1.1



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

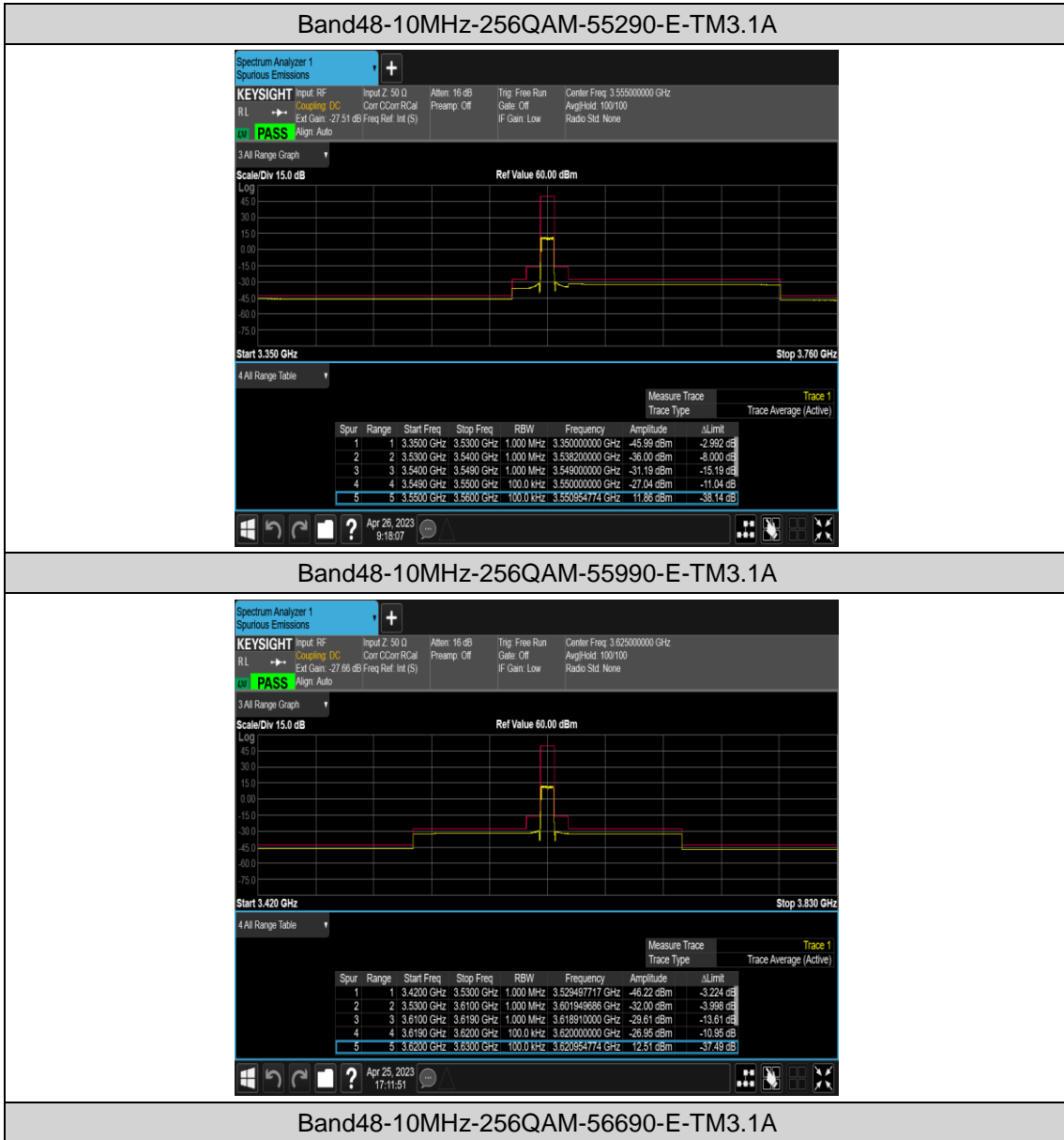


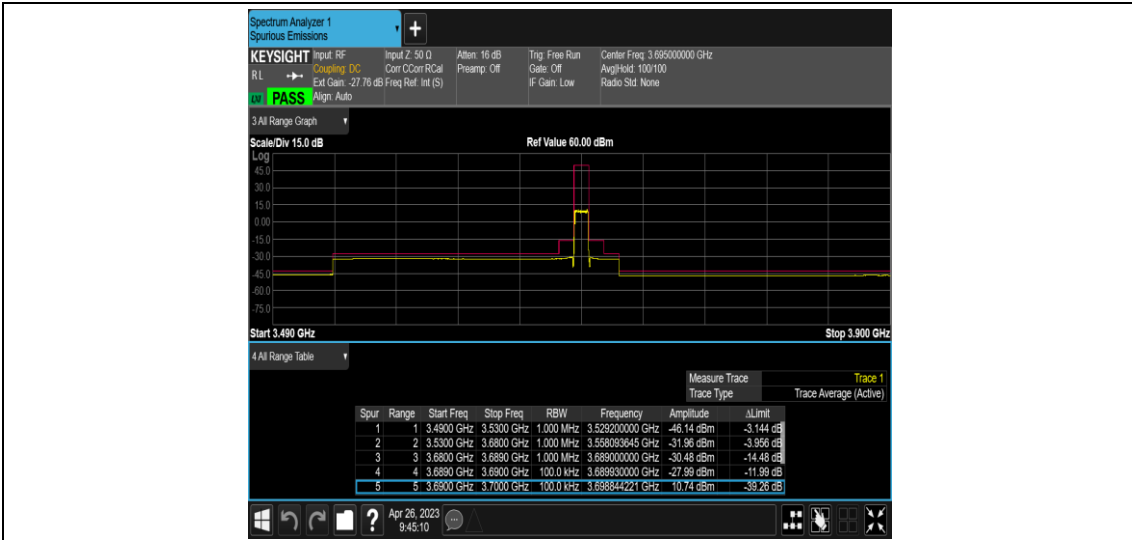
Band48-20MHz-QPSK-56640-E-TM1.1



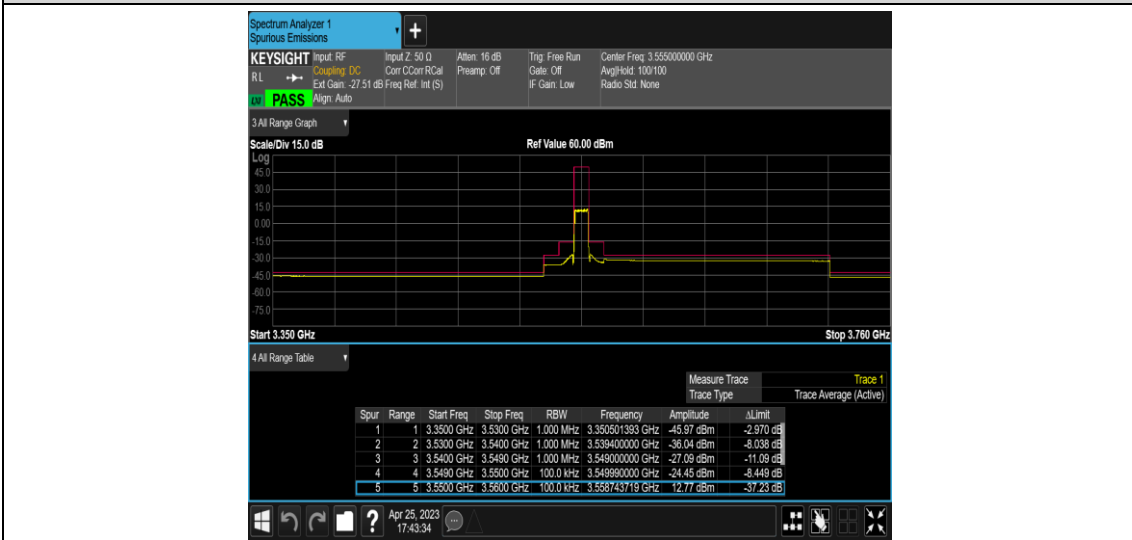
### 3)Test For ANT3 Test Result

#### Test Graphs

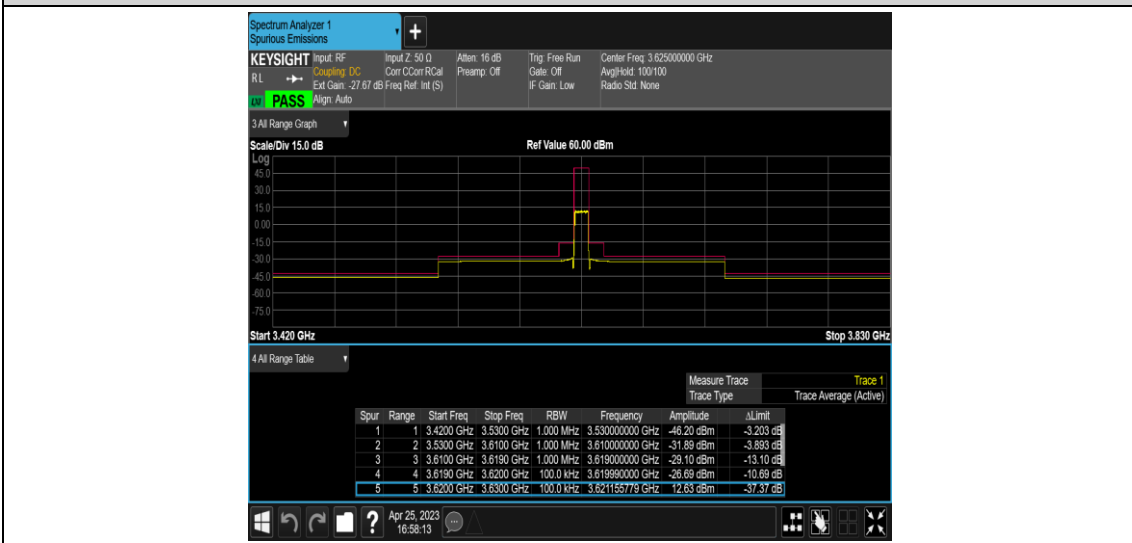




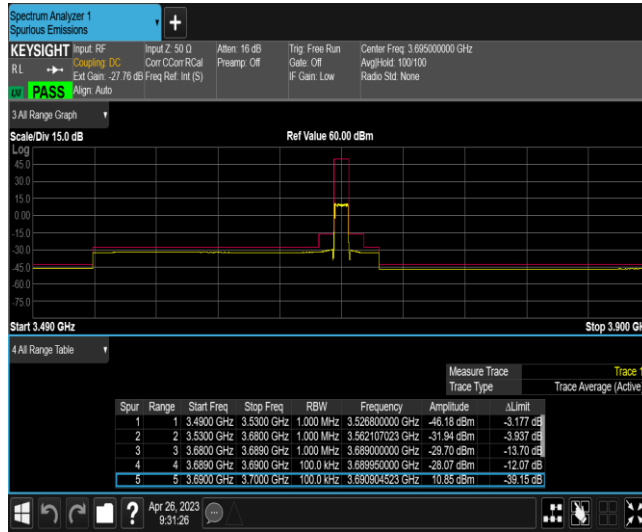
Band48-10MHz-QPSK-55290-E-TM1.1



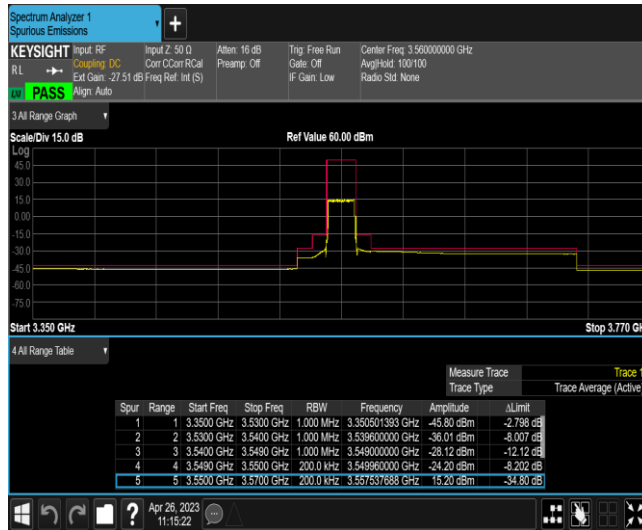
Band48-10MHz-QPSK-55990-E-TM1.1



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

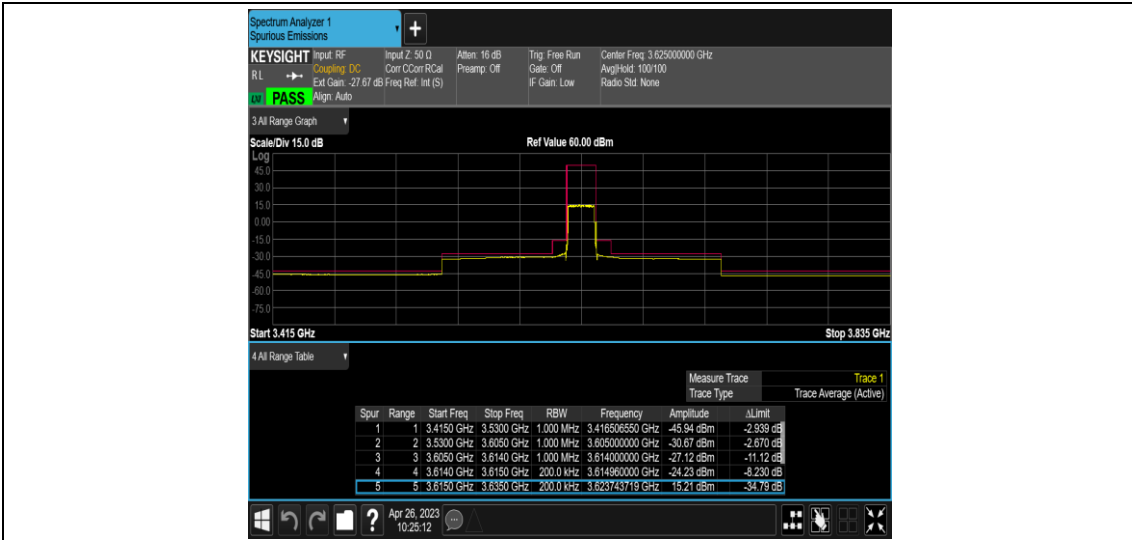


Band48-20MHz-256QAM-55340-E-TM3.1A

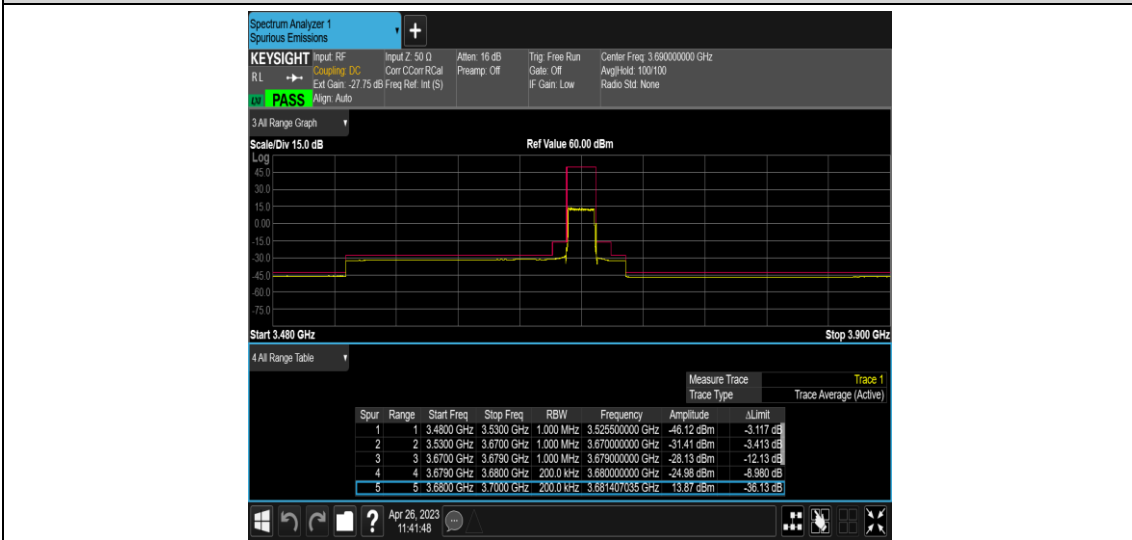


Band48-20MHz-256QAM-55990-E-TM3.1A





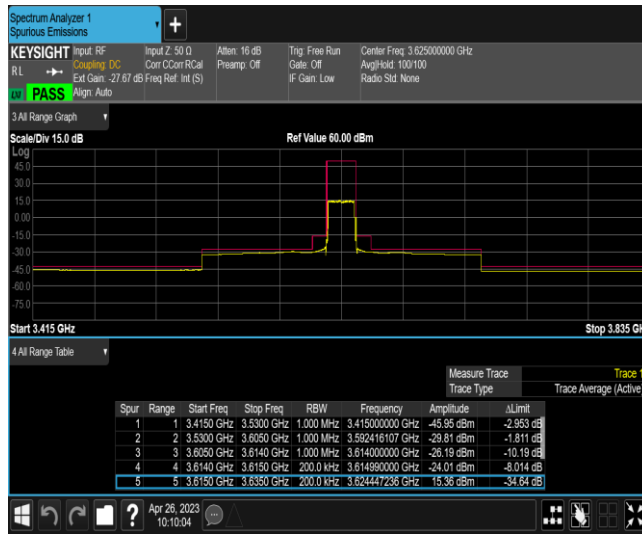
Band48-20MHz-256QAM-56640-E-TM3.1A



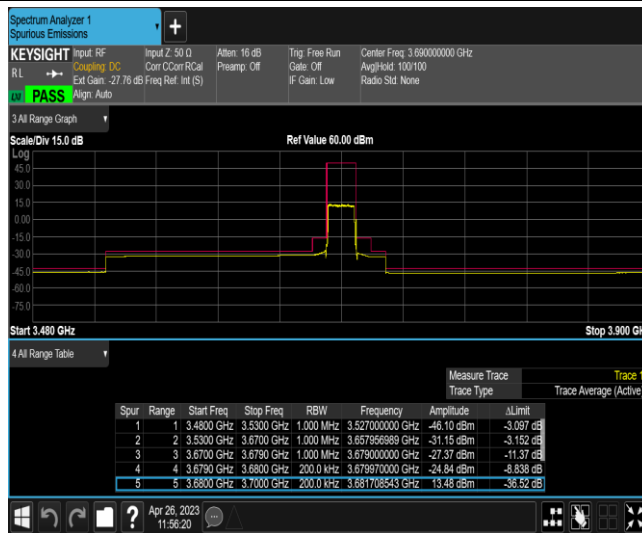
Band48-20MHz-QPSK-55340-E-TM1.1



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

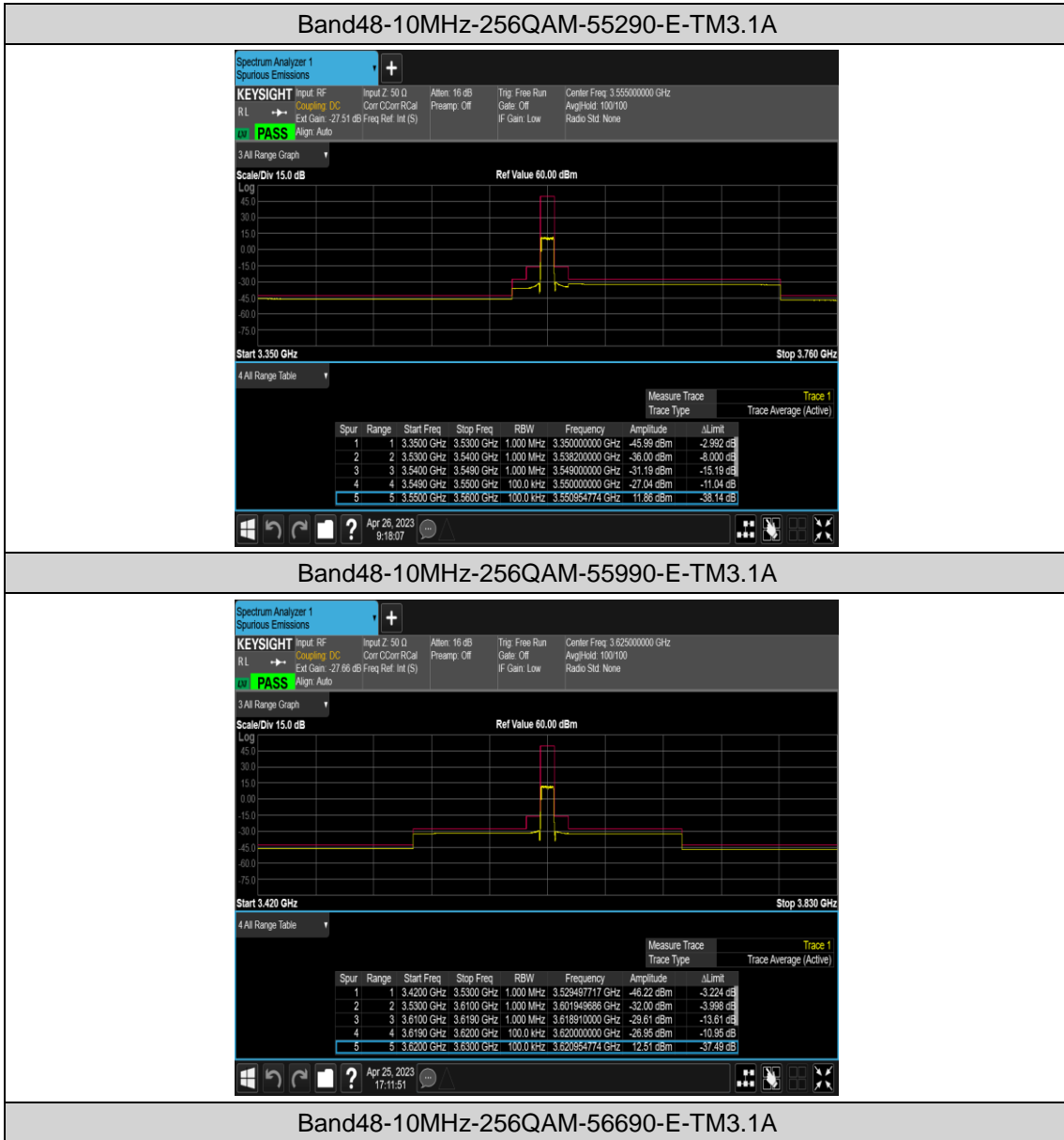


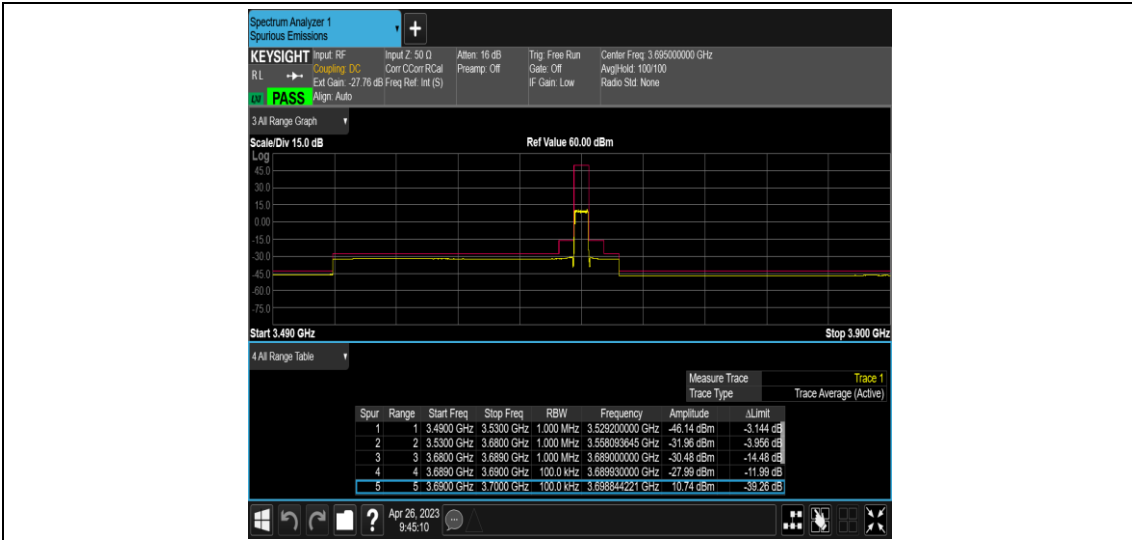
Band48-20MHz-QPSK-56640-E-TM1.1



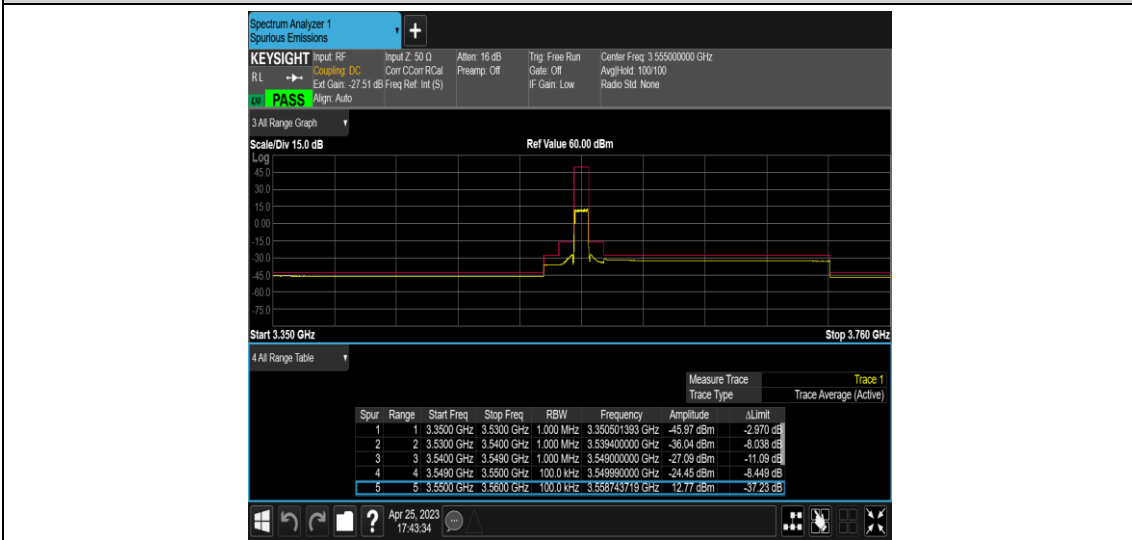
### 4)Test For ANT4 Test Result

#### Test Graphs

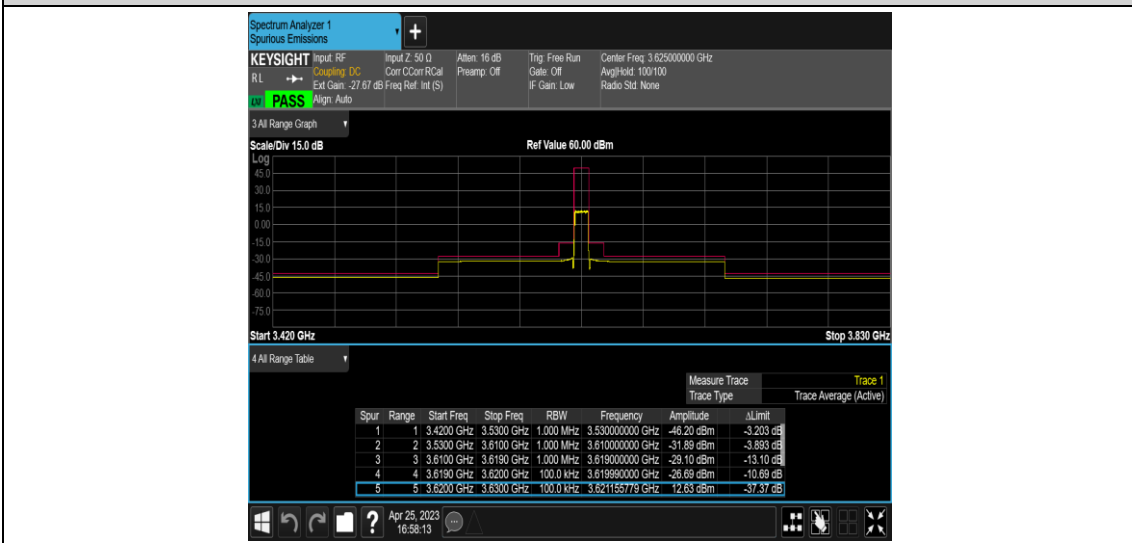




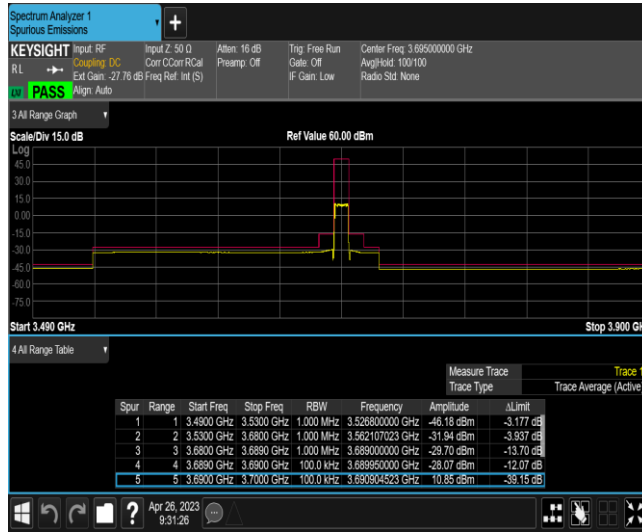
Band48-10MHz-QPSK-55290-E-TM1.1



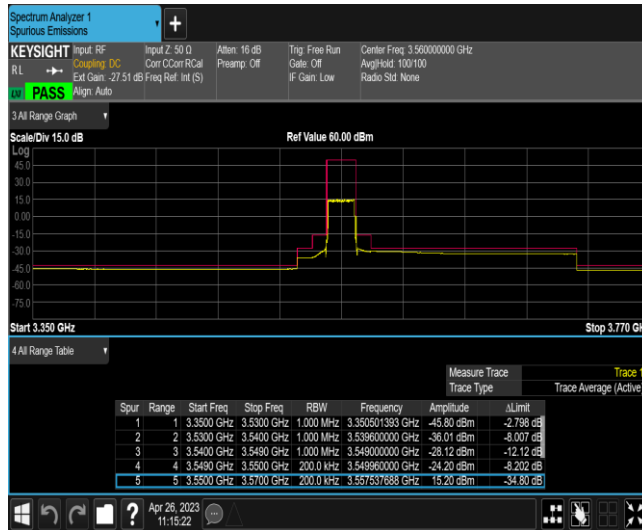
Band48-10MHz-QPSK-55990-E-TM1.1



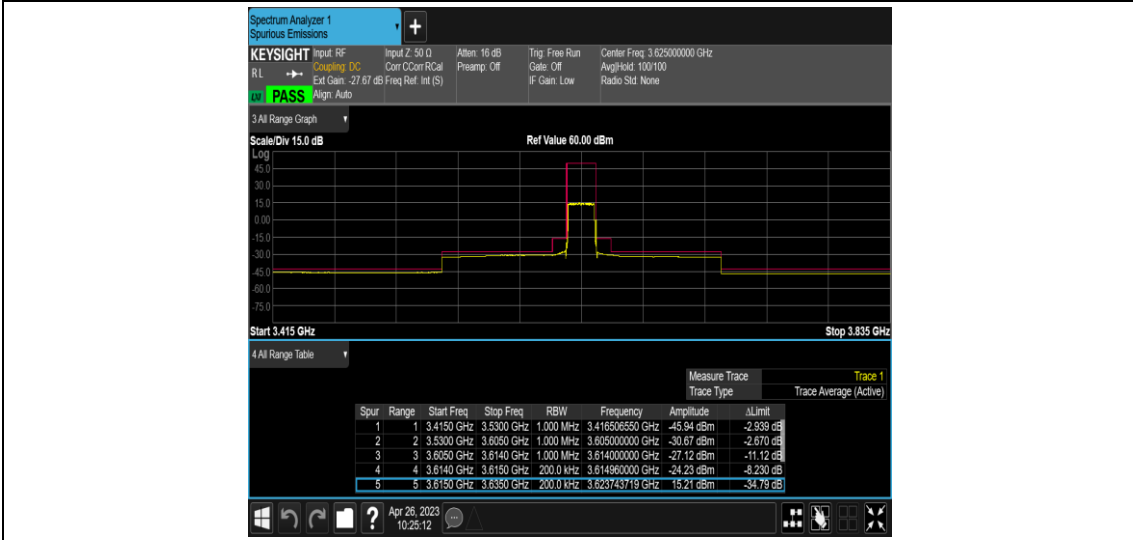
Band48-10MHz-QPSK-56690-E-TM1.1



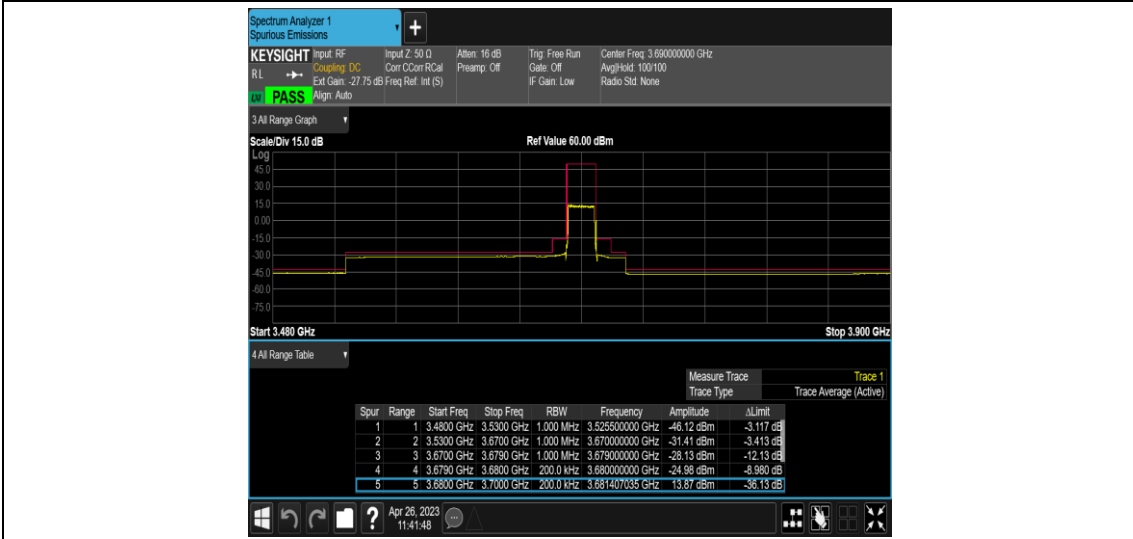
Band48-20MHz-256QAM-55340-E-TM3.1A



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



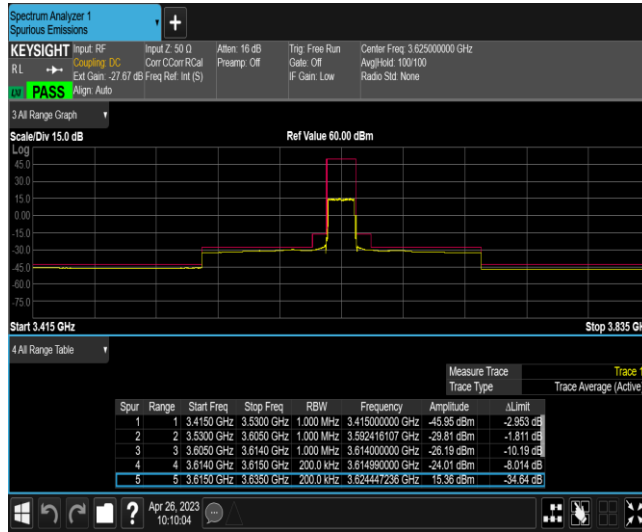
Band48-20MHz-256QAM-56640-E-TM3.1A



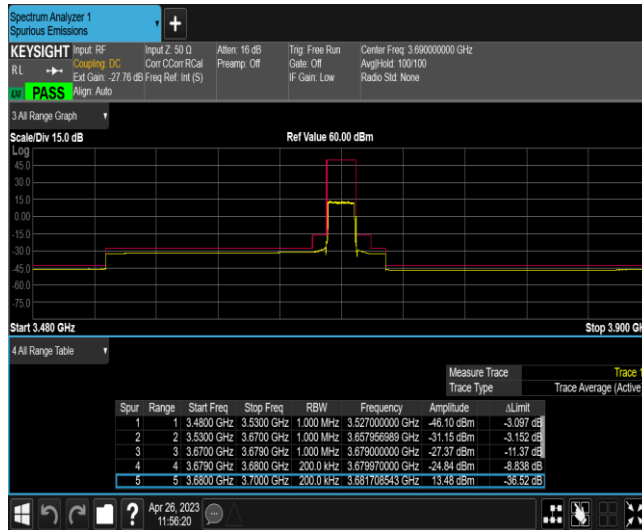
Band48-20MHz-QPSK-55340-E-TM1.1



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



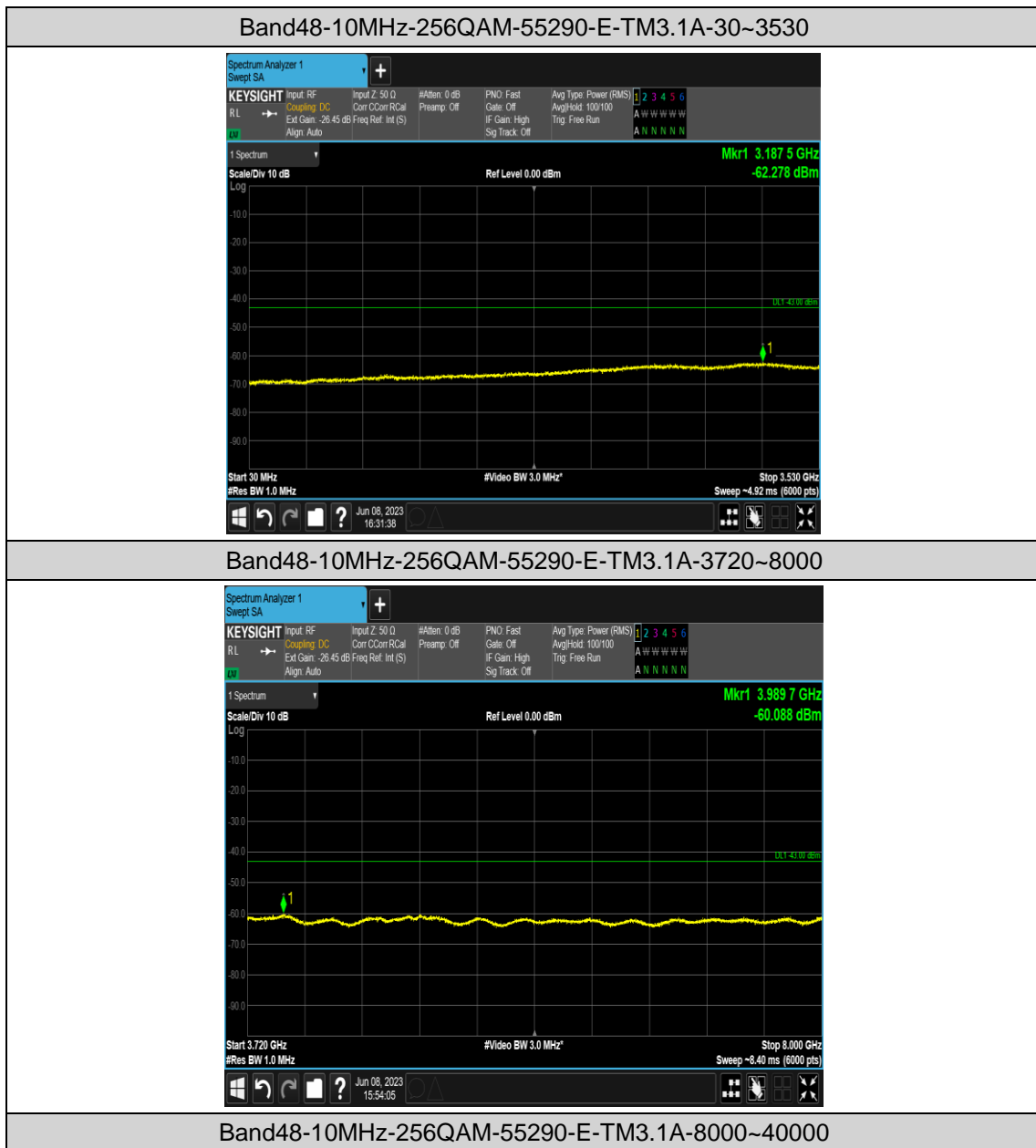
Band48-20MHz-QPSK-56640-E-TM1.1



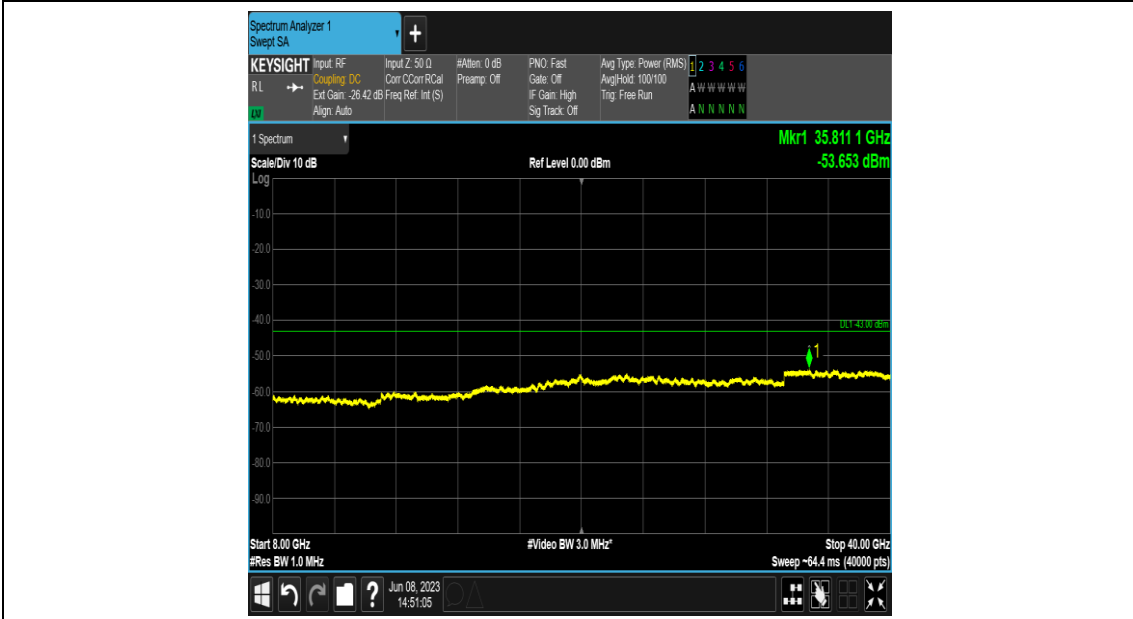
## Appendix E: Conducted Spurious Emission

### 1) Test For ANT1 Test Result

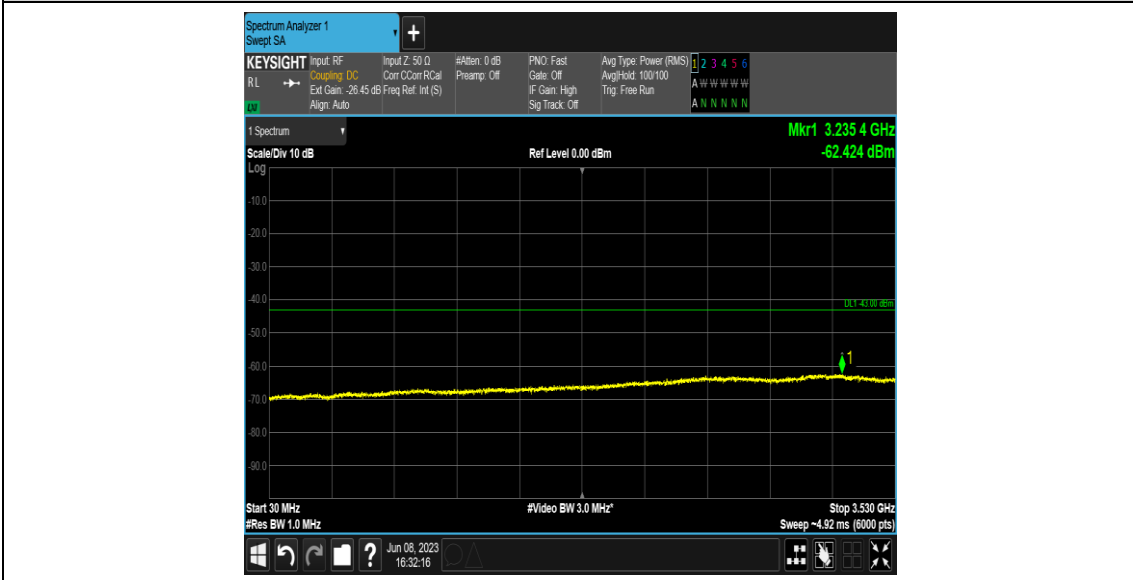
#### Test Graphs



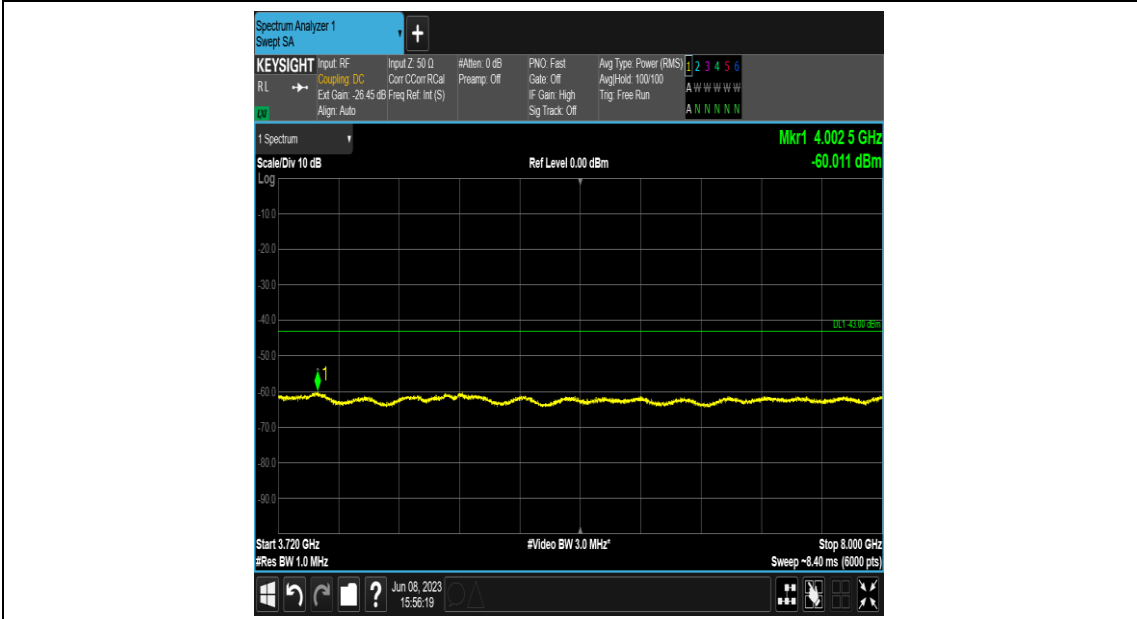




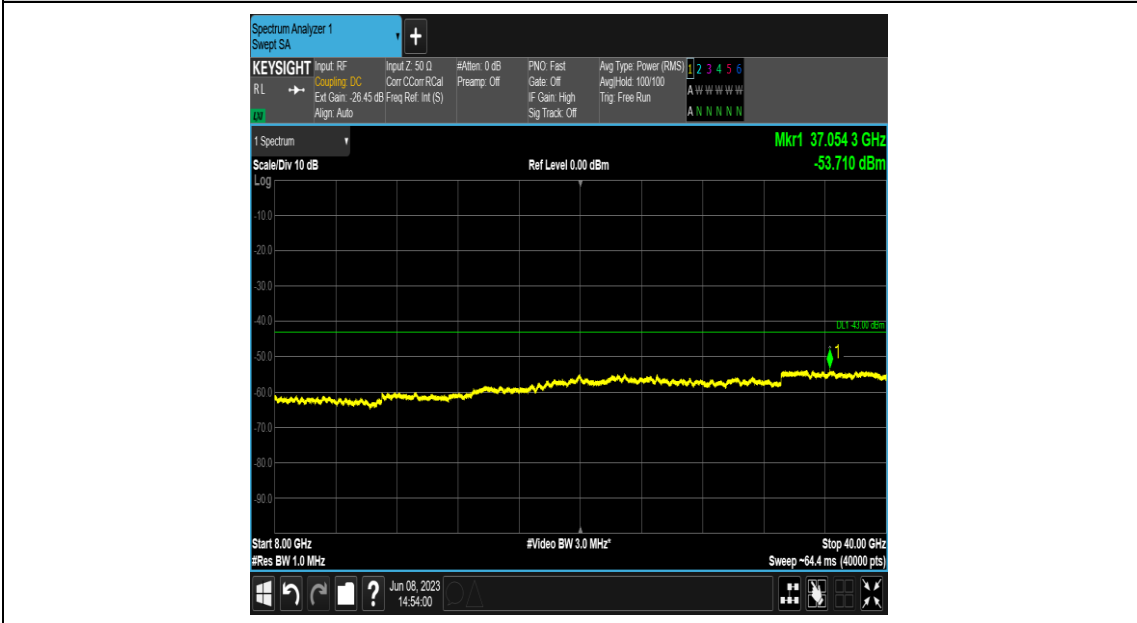
Band48-10MHz-256QAM-55990-E-TM3.1A-30~3530



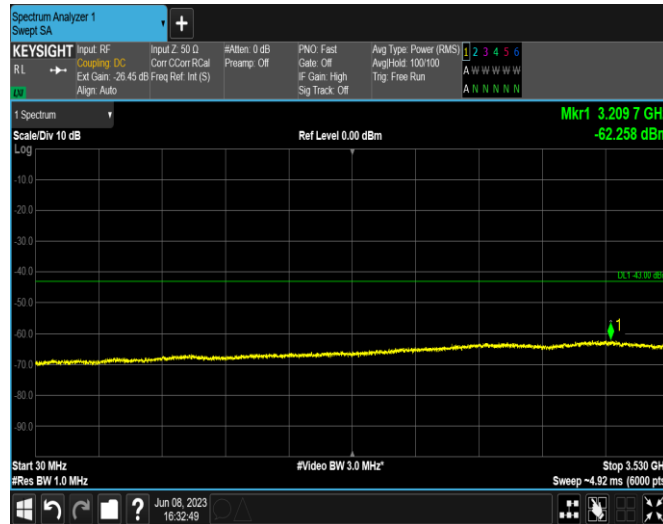
Band48-10MHz-256QAM-55990-E-TM3.1A-3720~8000



Band48-10MHz-256QAM-55990-E-TM3.1A-8000~40000



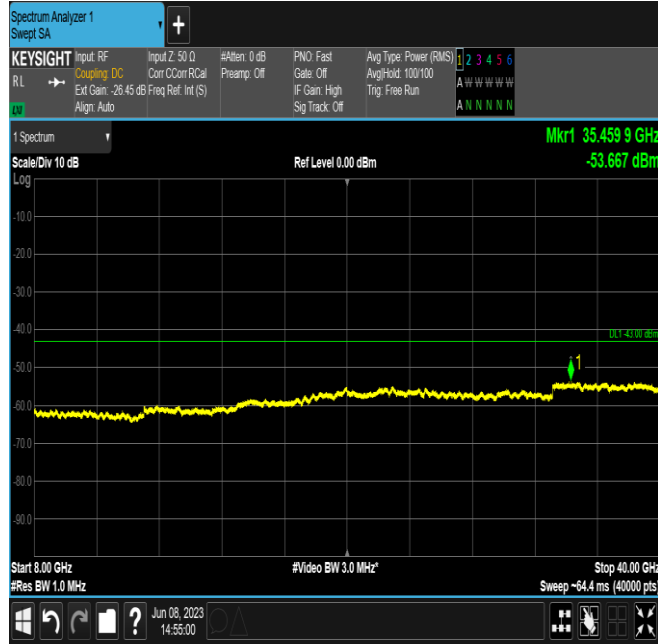
Band48-10MHz-256QAM-56690-E-TM3.1A-30~3530



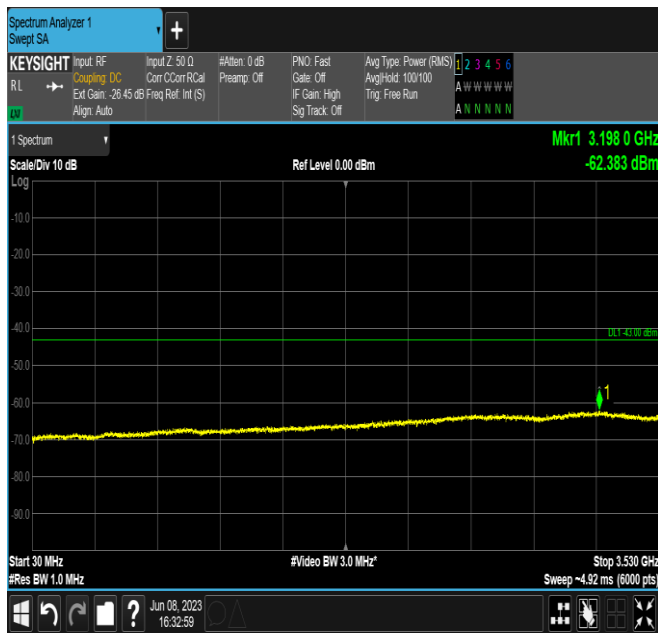
Band48-10MHz-256QAM-56690-E-TM3.1A-3720~8000



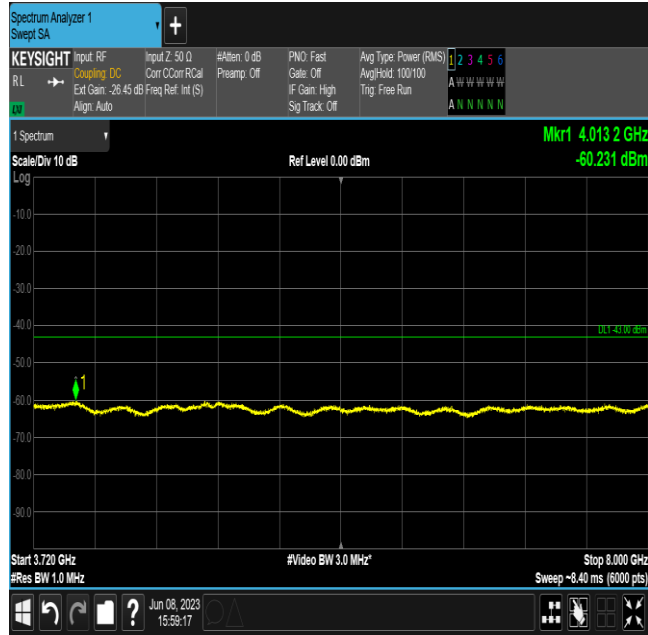
Band48-10MHz-256QAM-56690-E-TM3.1A-8000~40000



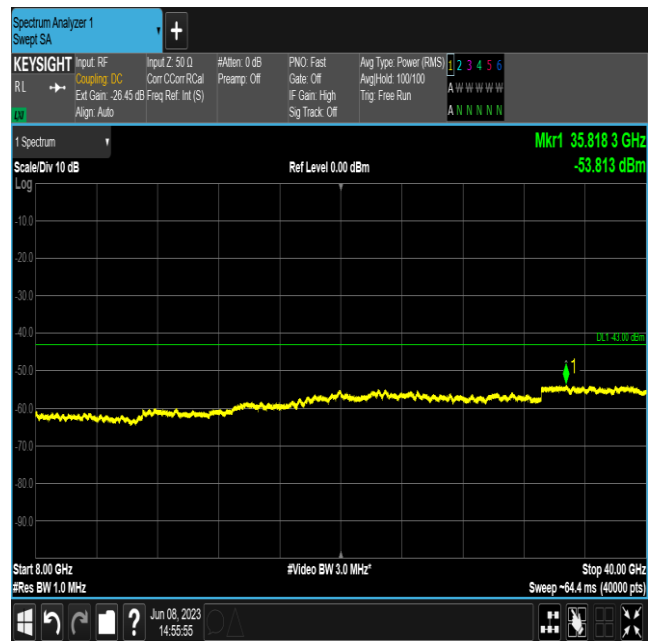
Band48-10MHz-QPSK-55290-E-TM1.1-30~3530



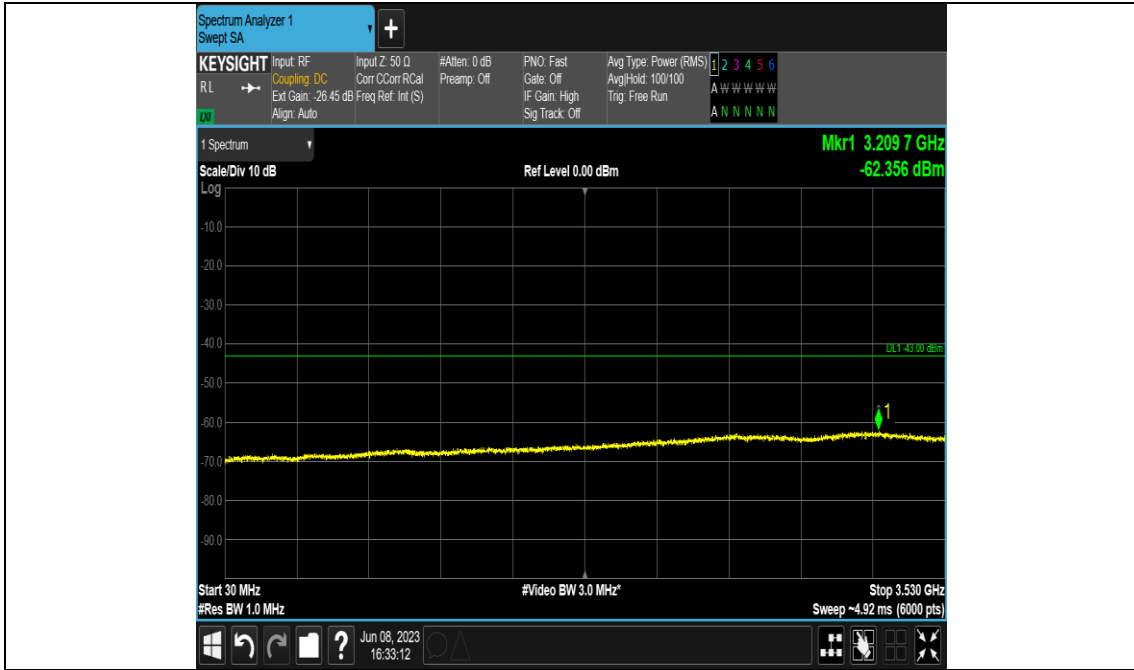
Band48-10MHz-QPSK-55290-E-TM1.1-3720~8000



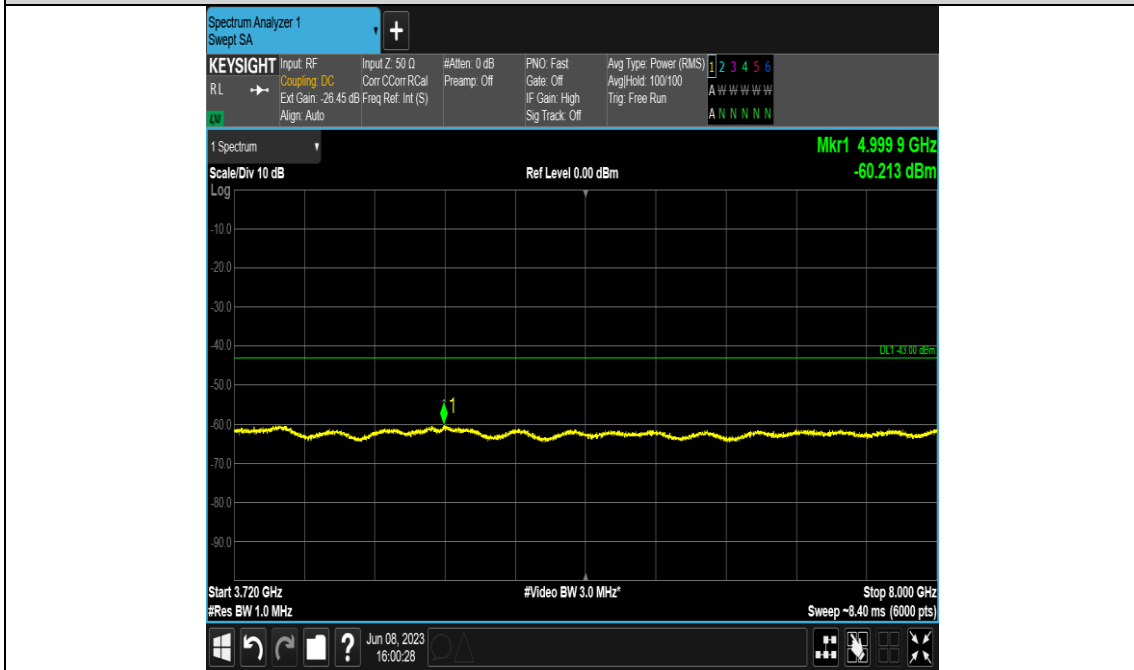
Band48-10MHz-QPSK-55290-E-TM1.1-8000~40000



Band48-10MHz-QPSK-55990-E-TM1.1-30~3530



Band48-10MHz-QPSK-55990-E-TM1.1-3720~8000



Band48-10MHz-QPSK-55990-E-TM1.1-8000~40000