

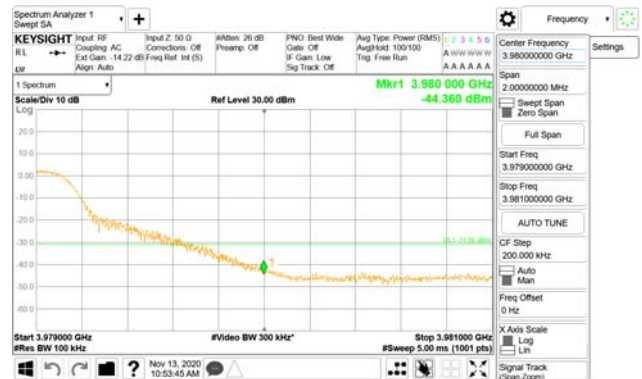


## ANT45

### QPSK

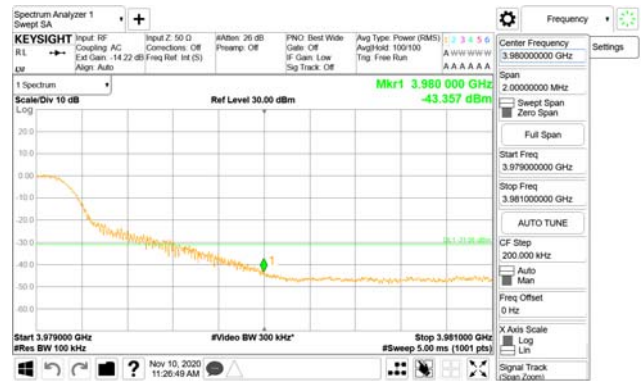


## 16QAM

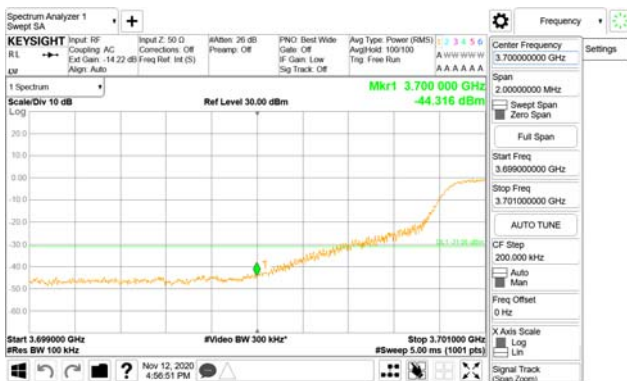


## ANT46

### QPSK

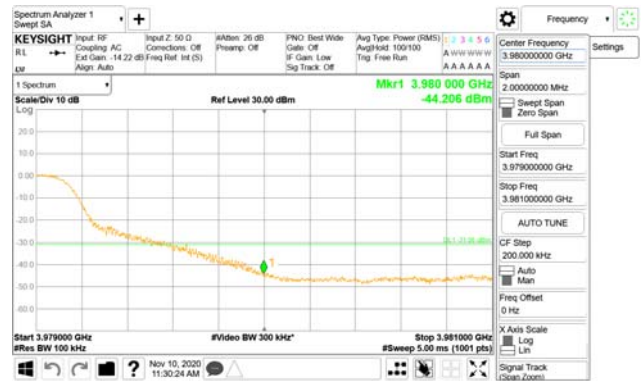
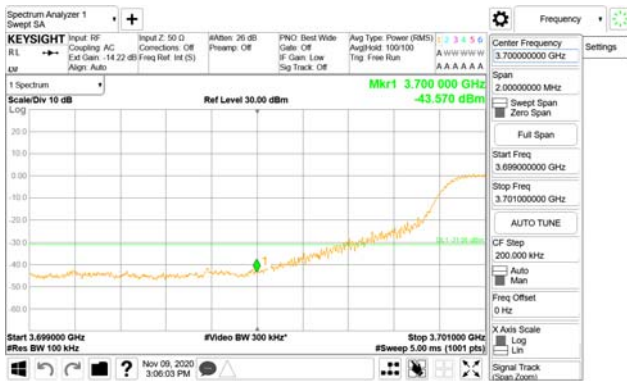


### 16QAM

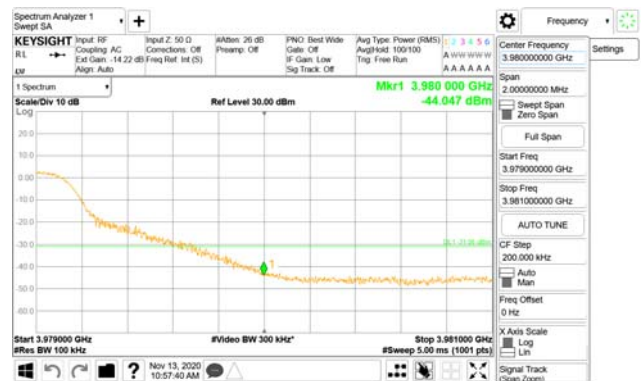


## ANT47

### QPSK

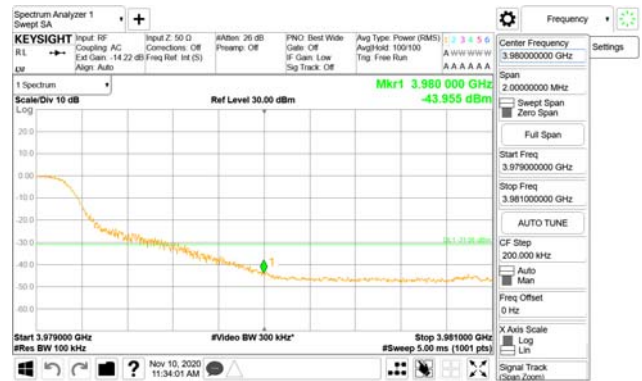


### 16QAM

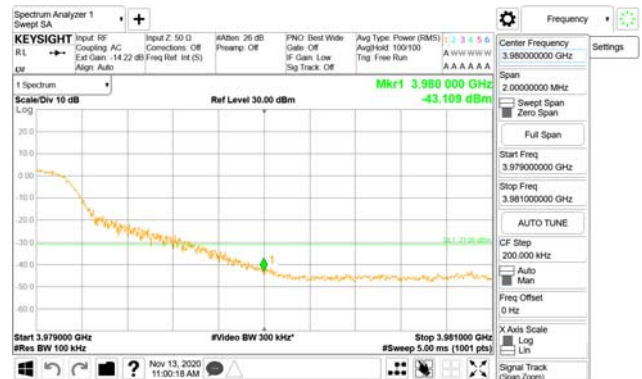


## ANT48

### QPSK

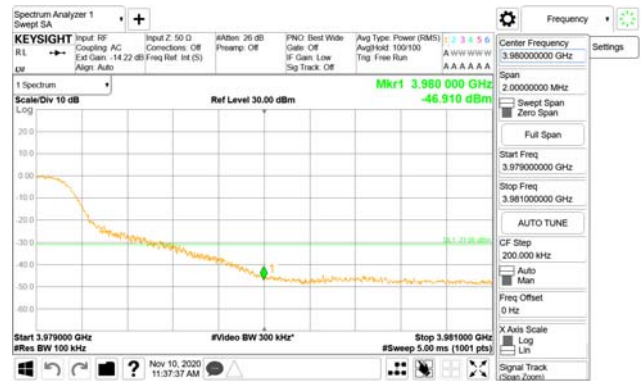


### 16QAM

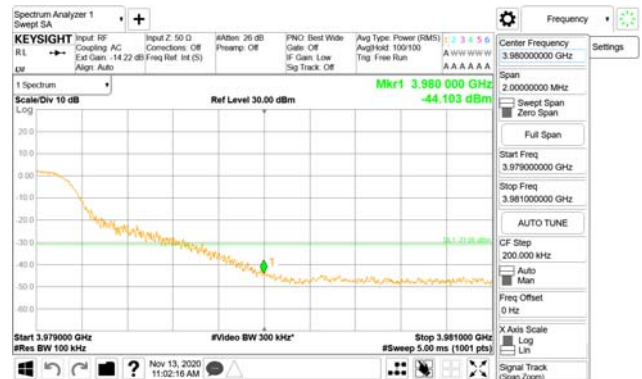


## ANT49

### QPSK

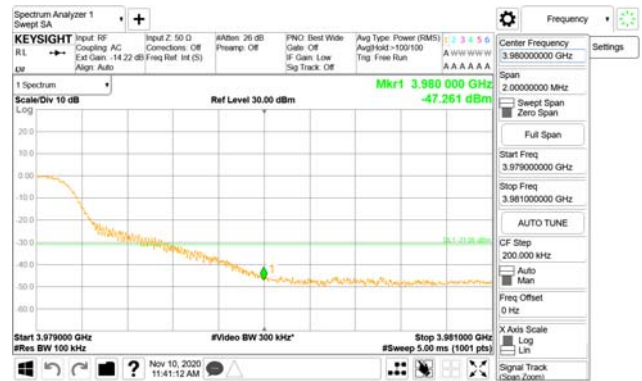


### 16QAM

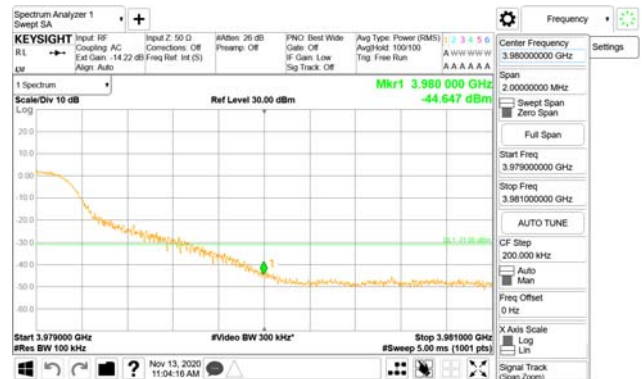


## ANT50

### QPSK

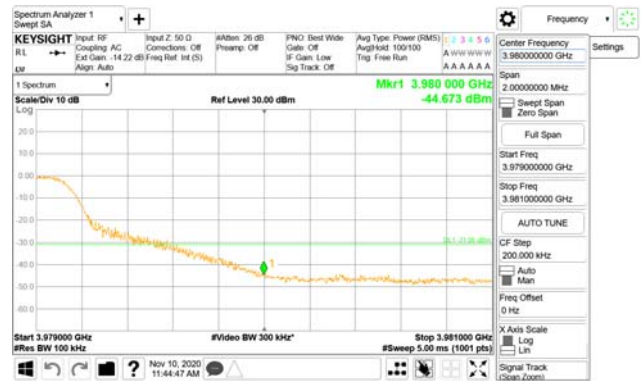


### 16QAM

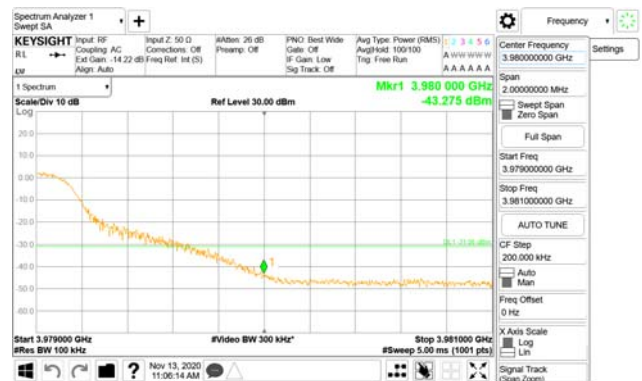
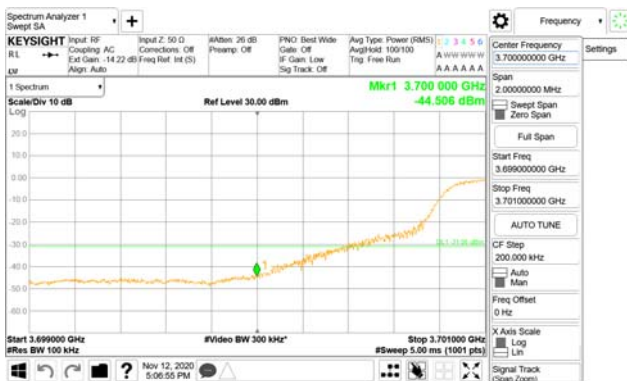


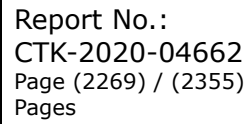
## ANT51

### QPSK

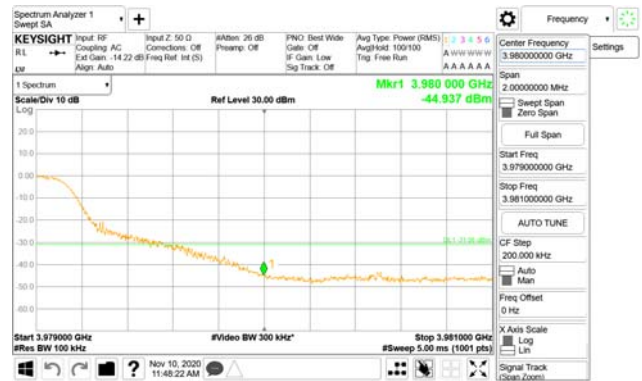


### 16QAM





QPSK



The screenshot displays the Spectrum Analyzer interface. The main plot shows a frequency spectrum from 3.979000 GHz to 3.981000 GHz. A prominent signal peak is visible at 3.980000 GHz, labeled "Mkr1 3.980 000 GHz -44.816 dBm". The y-axis represents power in dBm, ranging from -60 to 20. The x-axis represents frequency in kHz, with a resolution bandwidth (RBW) of 300 kHz.

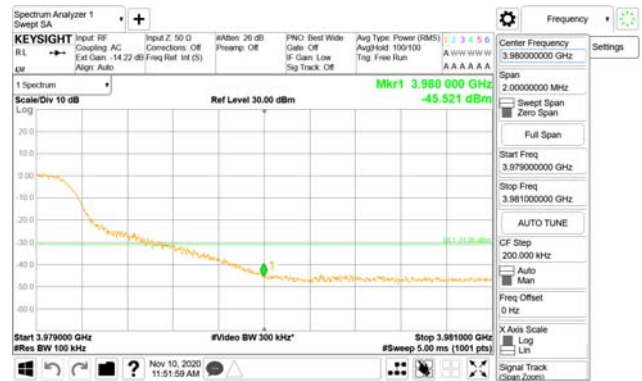
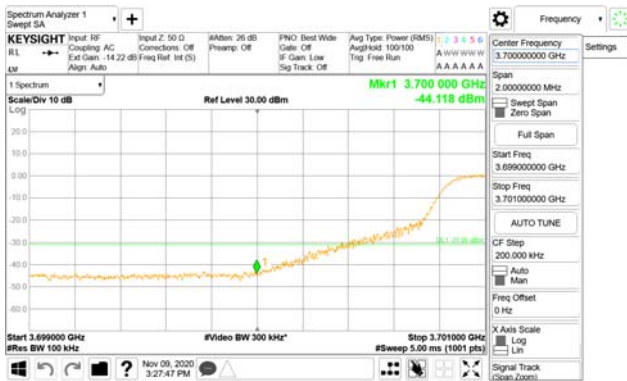
Key settings and parameters shown include:

- Center Frequency:** 3.980000000 MHz
- Sweep Span:** Full Span
- Start Freq:** 3.979000000 GHz
- Stop Freq:** 3.981000000 GHz
- AUTO TUNE:** Enabled
- CF Step:** 200.000 kHz
- Freq Offset:** 0 Hz
- X Axis Scale:** Log
- Signal Track:** Preset

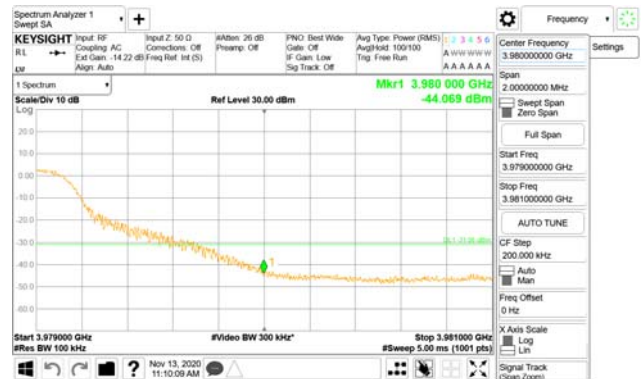
The bottom status bar indicates the date and time as Nov 13, 2020, 11:08:12 AM.

## ANT53

### QPSK

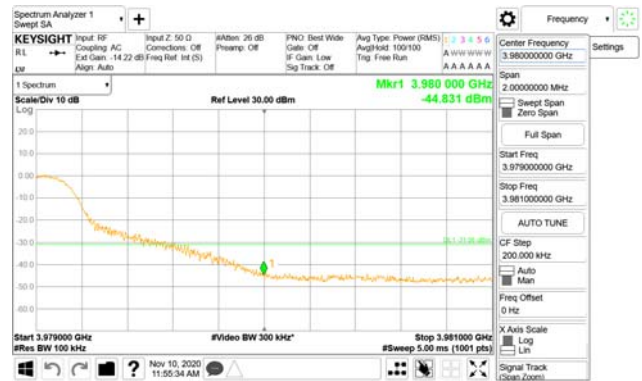
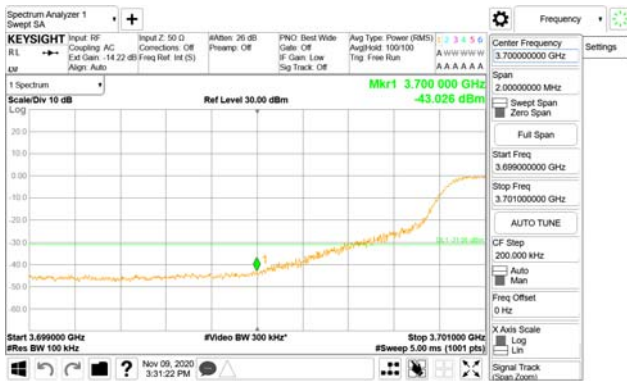


### 16QAM



## ANT54

### QPSK

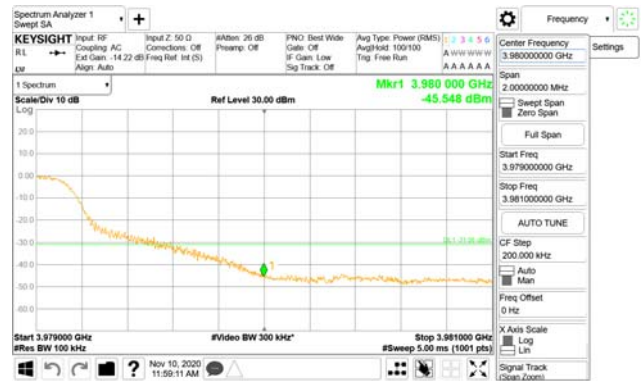


### 16QAM



## ANT55

### QPSK

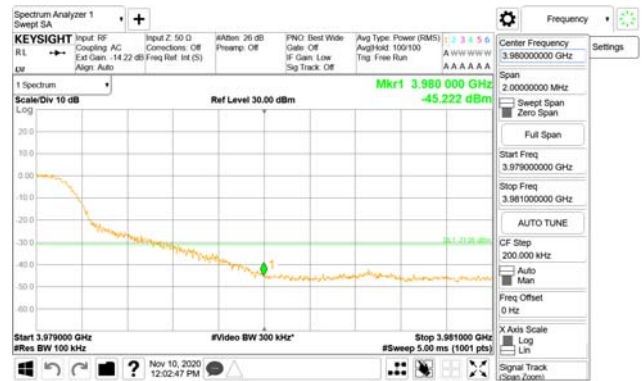


### 16QAM

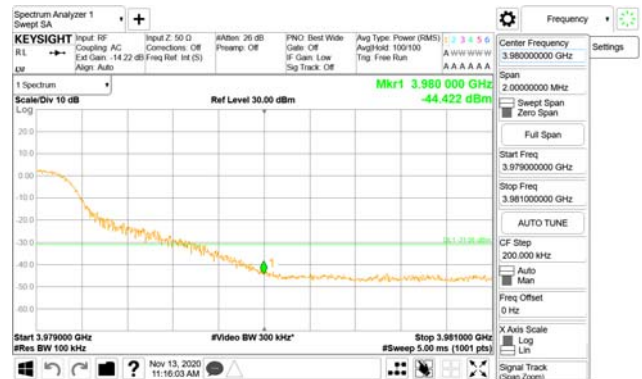


## ANT56

### QPSK



### 16QAM



## ANT57

### QPSK

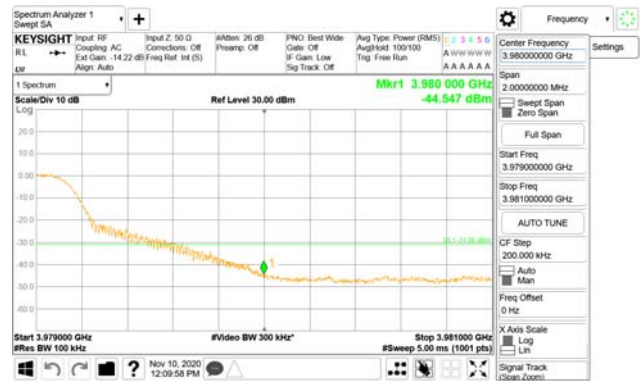


### 16QAM

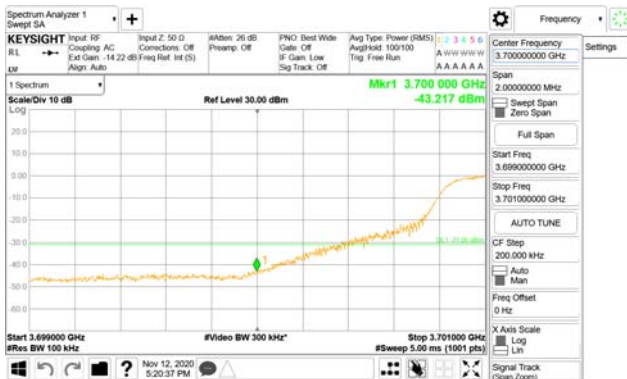


## ANT58

### QPSK

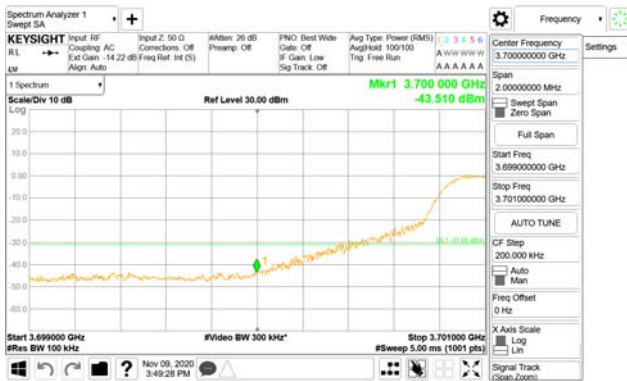


### 16QAM

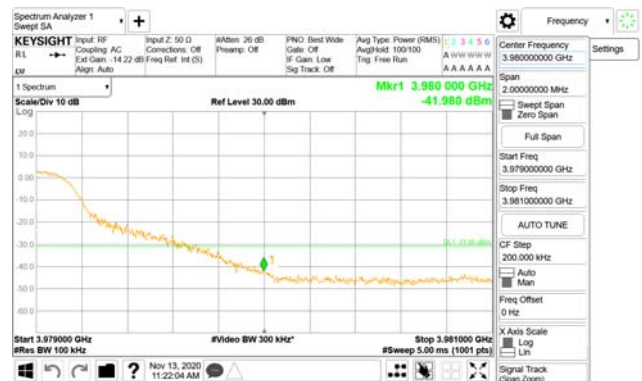
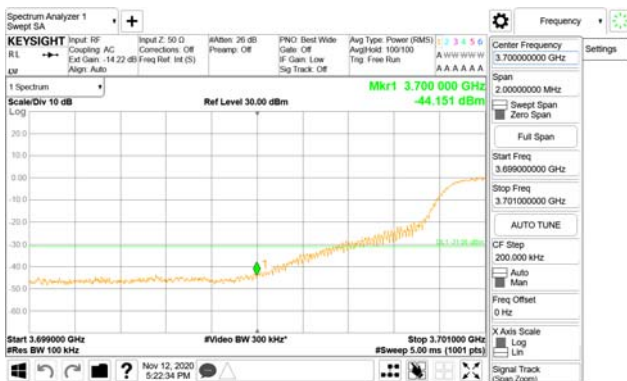


## ANT59

### QPSK

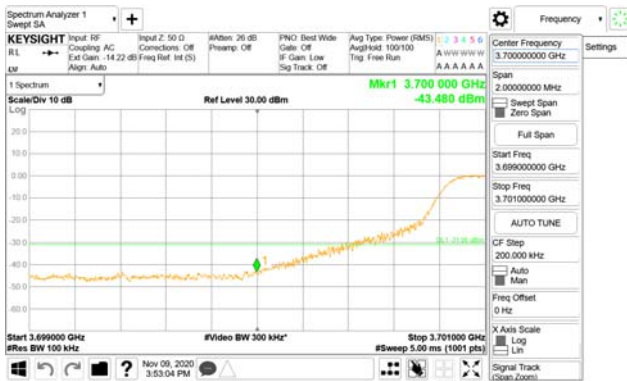


### 16QAM

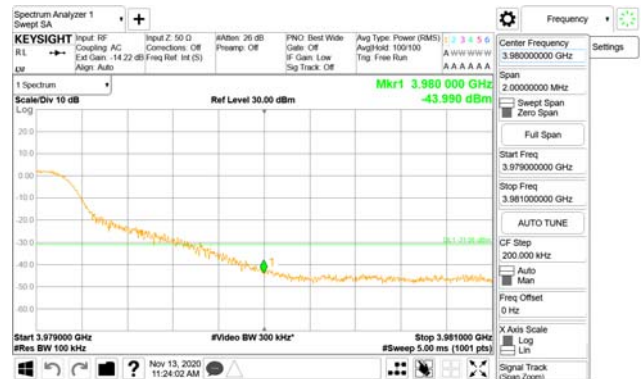


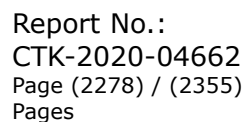
## ANT60

### QPSK

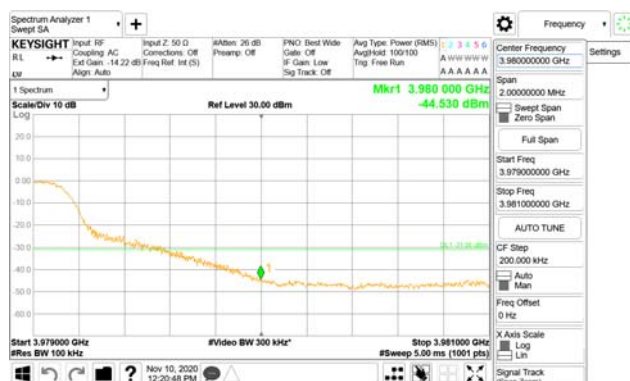


### 16QAM

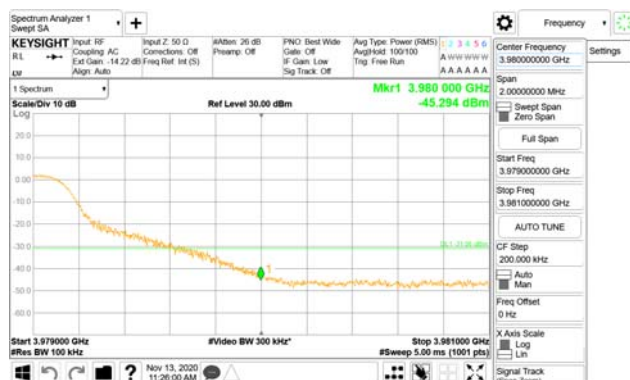




QPSK



16QAM

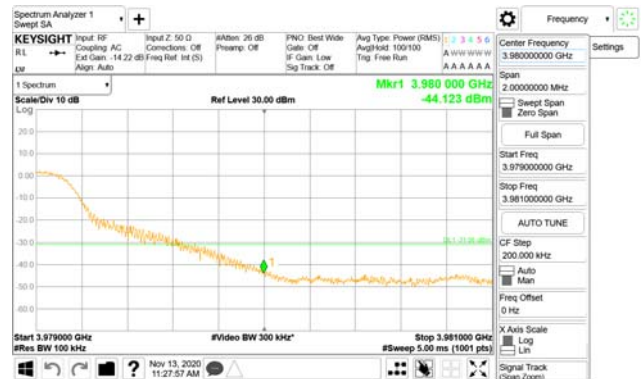


## ANT62

### QPSK

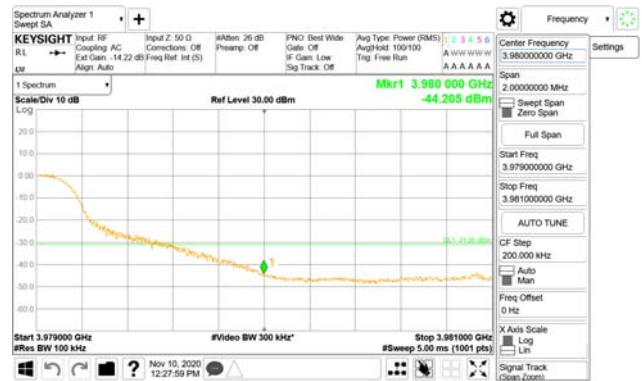


### 16QAM

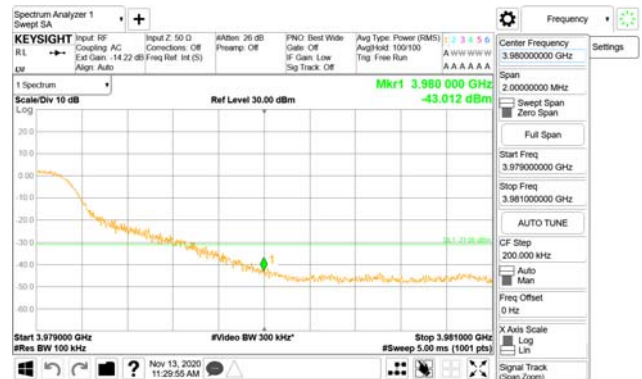


## ANT63

### QPSK



### 16QAM



## ANT64

### QPSK



### 16QAM



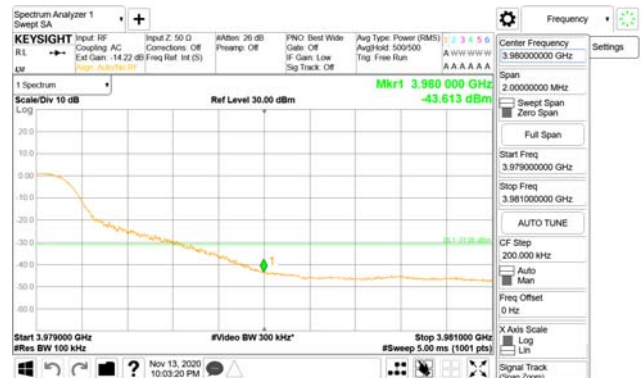
### BW 100MHz +100MHz, Multi carrier(Non-contiguous)

## ANT1

QPSK



16QAM



## ANT2

### QPSK



### 16QAM



## ANT3

### QPSK



### 16QAM



## ANT4

### QPSK



### 16QAM



## ANT5

### QPSK



### 16QAM



## ANT6

### QPSK



### 16QAM





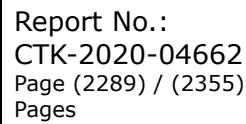
Report No.:  
CTK-2020-04662  
Page (2288) / (2355)  
Pages

**ANT7**  
QPSK



## 16QAM





QPSK



Spectrum Analyzer 1  
Sweep SA

**KEYSIGHT** Input RF  
Coupling AC  
Ref Level 30.00 dBm  
A/Ben 26 dB  
PWR Best Wide Gate Off  
Avg Type Power (RMS)  
AugHold 500500  
Trig Free Run

Input Z 50 Ω  
Connectors RF IM (S)  
Freq Ref IM (S)  
EUT: AutoNet

Center Frequency  
3.98000000 GHz

Span  
2.00000000 MHz  
Swept Span  
Zero Span  
Full Span

Start Freq  
3.979000000 GHz  
Stop Freq  
3.981000000 GHz  
AUTO TUNE

CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz  
X Axis Scale  
Log  
Lin

Start 3.979000 GHz  
#Res BW 100 kHz  
#Video BW 300 kHz  
Stop 3.981000 GHz  
#Sweep 5.00 ms (1001 pts)

Scale/Div 10 dB  
Log  
20.00  
0.00  
-20.00  
-40.00  
-60.00  
-80.00

Ref Level 30.00 dBm

Mkr1 3.980 000 GHz  
-44.014 dBm

Nov 13, 2020  
10:35:16 PM

## ANT9

### QPSK



### 16QAM



## ANT10

### QPSK



## 16QAM



## ANT11

### QPSK



### 16QAM



## ANT12

### QPSK



### 16QAM





**CTK Co., Ltd.**  
(Ho-dong), 113, Yejik-ro, Cheoin-gu,  
Yongin-si, Gyeonggi-do, Korea  
Tel: +82-31-339-9970  
Fax: +82-31-624-9501

Report No.:  
CTK-2020-04662  
Page (2294) / (2355)  
Pages

## ANT13

### QPSK



### 16QAM



## ANT14

### QPSK



### 16QAM



## ANT15

### QPSK



### 16QAM



## ANT16

### QPSK



### 16QAM



## ANT17

### QPSK



### 16QAM



## ANT18

### QPSK



## 16QAM



## ANT19

### QPSK



### 16QAM



## ANT20

### QPSK



### 16QAM



## ANT21

### QPSK



### 16QAM



## ANT22

### QPSK



### 16QAM



## ANT23

### QPSK



### 16QAM



## ANT24

### QPSK



### 16QAM



## ANT25

### QPSK



### 16QAM



## ANT26

### QPSK



### 16QAM



## ANT27

### QPSK



### 16QAM



## ANT28

### QPSK



### 16QAM





**CTK Co., Ltd.**  
(Ho-dong), 113, Yejik-ro, Cheoin-gu,  
Yongin-si, Gyeonggi-do, Korea  
Tel: +82-31-339-9970  
Fax: +82-31-624-9501

Report No.:  
CTK-2020-04662  
Page (2310) / (2355)  
Pages

## ANT29

### QPSK



### 16QAM



## ANT30

### QPSK



### 16QAM

