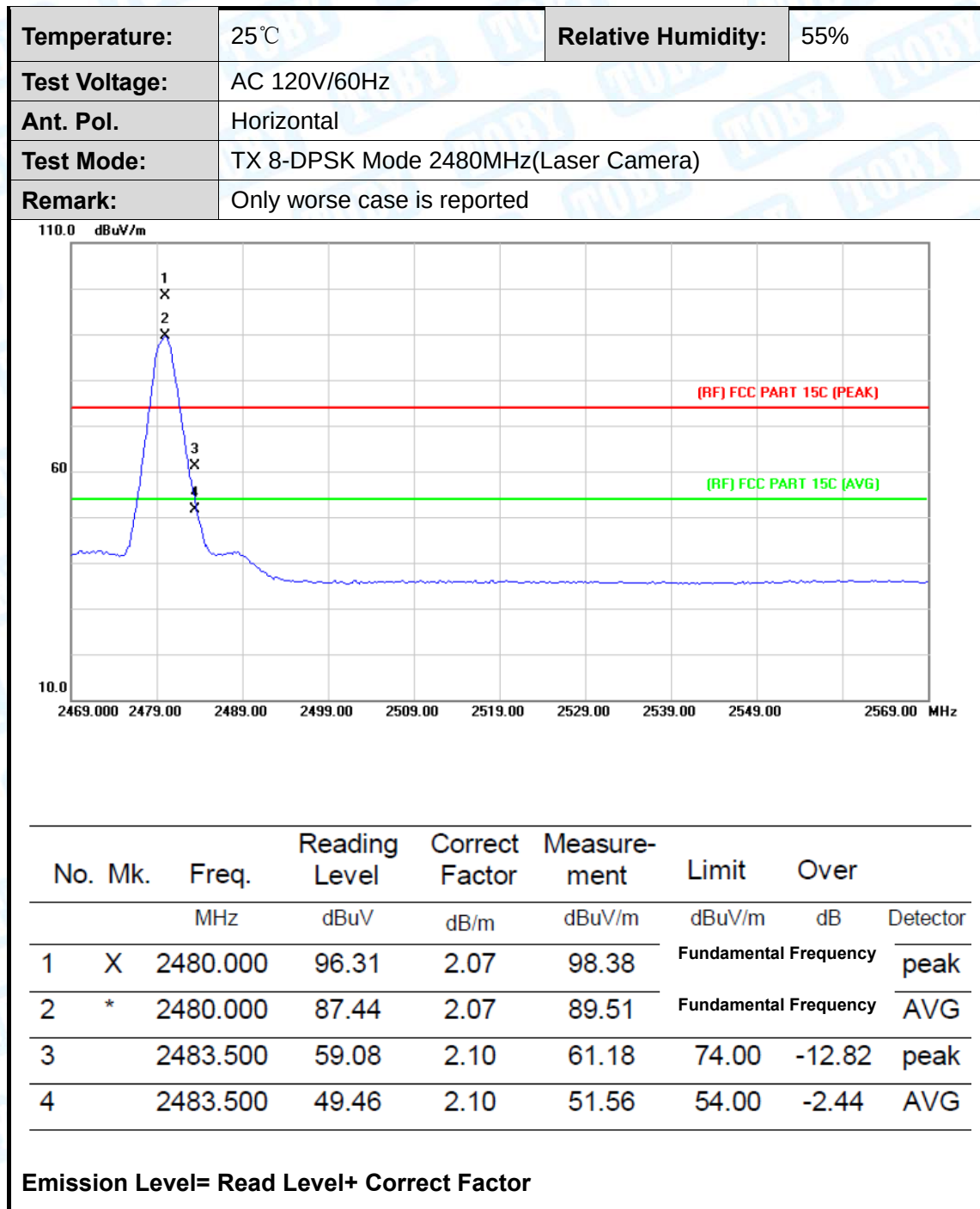
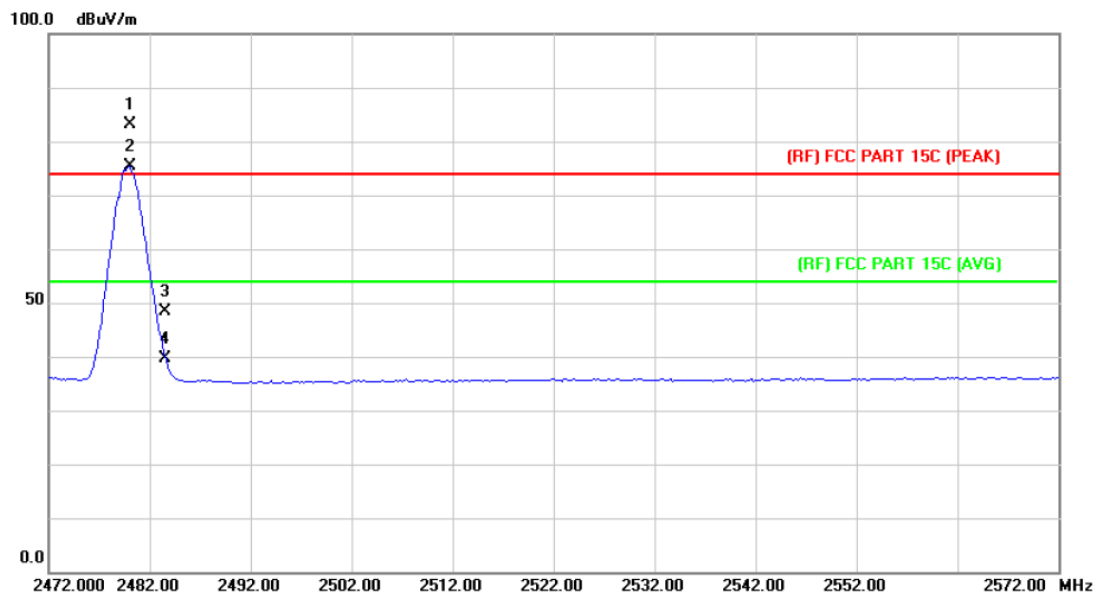




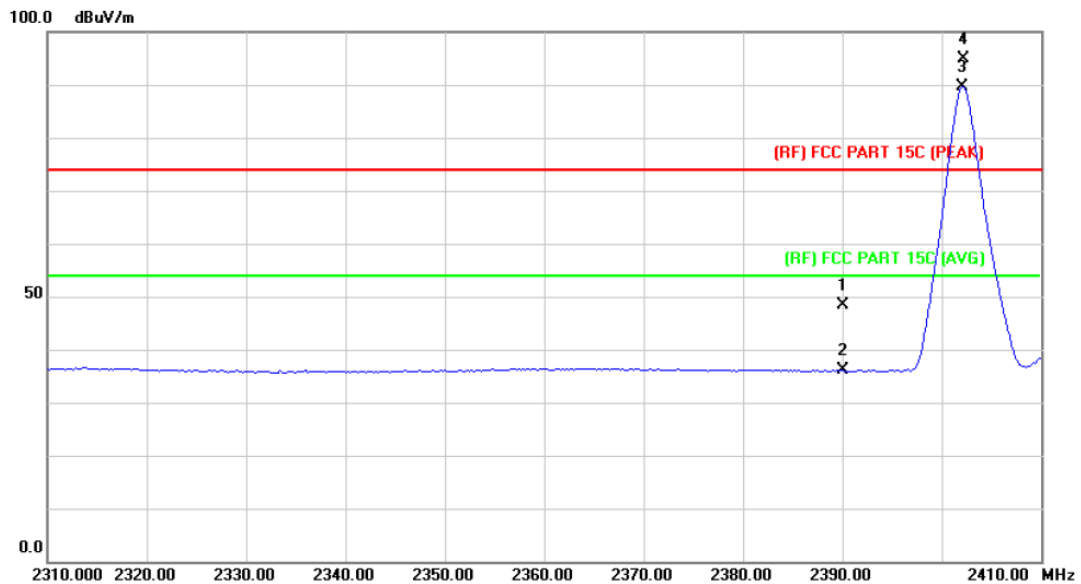
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 8-DPSK Mode 2480MHz(Laser Camera)		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2480.000	81.14	2.07	83.21	Fundamental Frequency		peak
2	*	2480.000	73.43	2.07	75.50	Fundamental Frequency		AVG
3		2483.500	46.25	2.10	48.35	74.00	-25.65	peak
4		2483.500	37.47	2.10	39.57	54.00	-14.43	AVG

Emission Level= Read Level+ Correct Factor

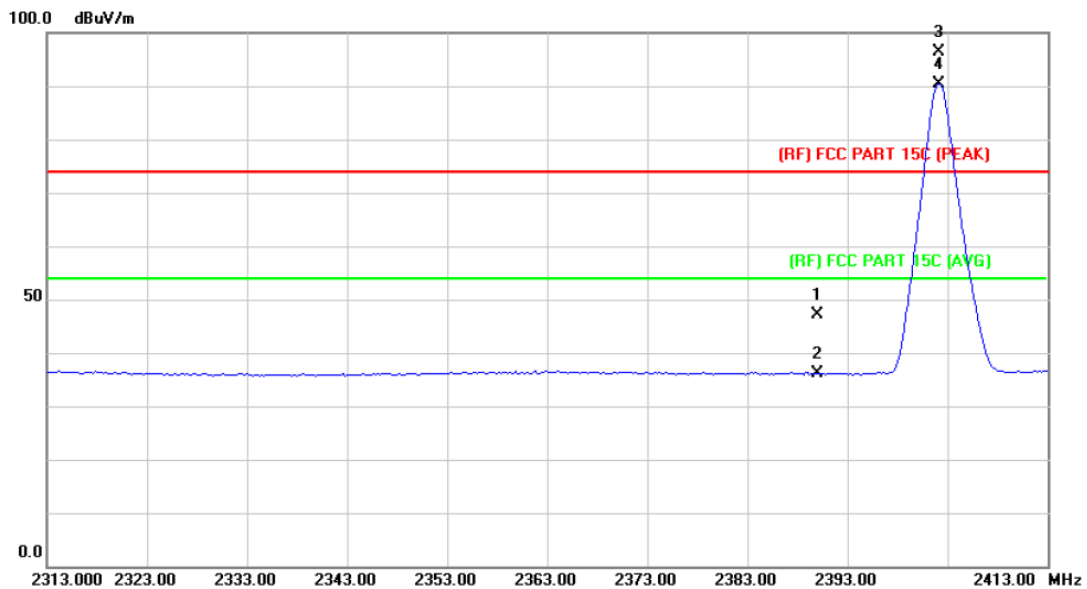
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX GFSK Mode 2402MHz(Control Screen)		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	45.36	2.91	48.27	74.00	-25.73	peak
2		2390.000	33.13	2.91	36.04	54.00	-17.96	AVG
3	*	2402.000	86.67	2.95	89.62	Fundamental Frequency		AVG
4	X	2402.200	91.99	2.95	94.94	Fundamental Frequency		peak

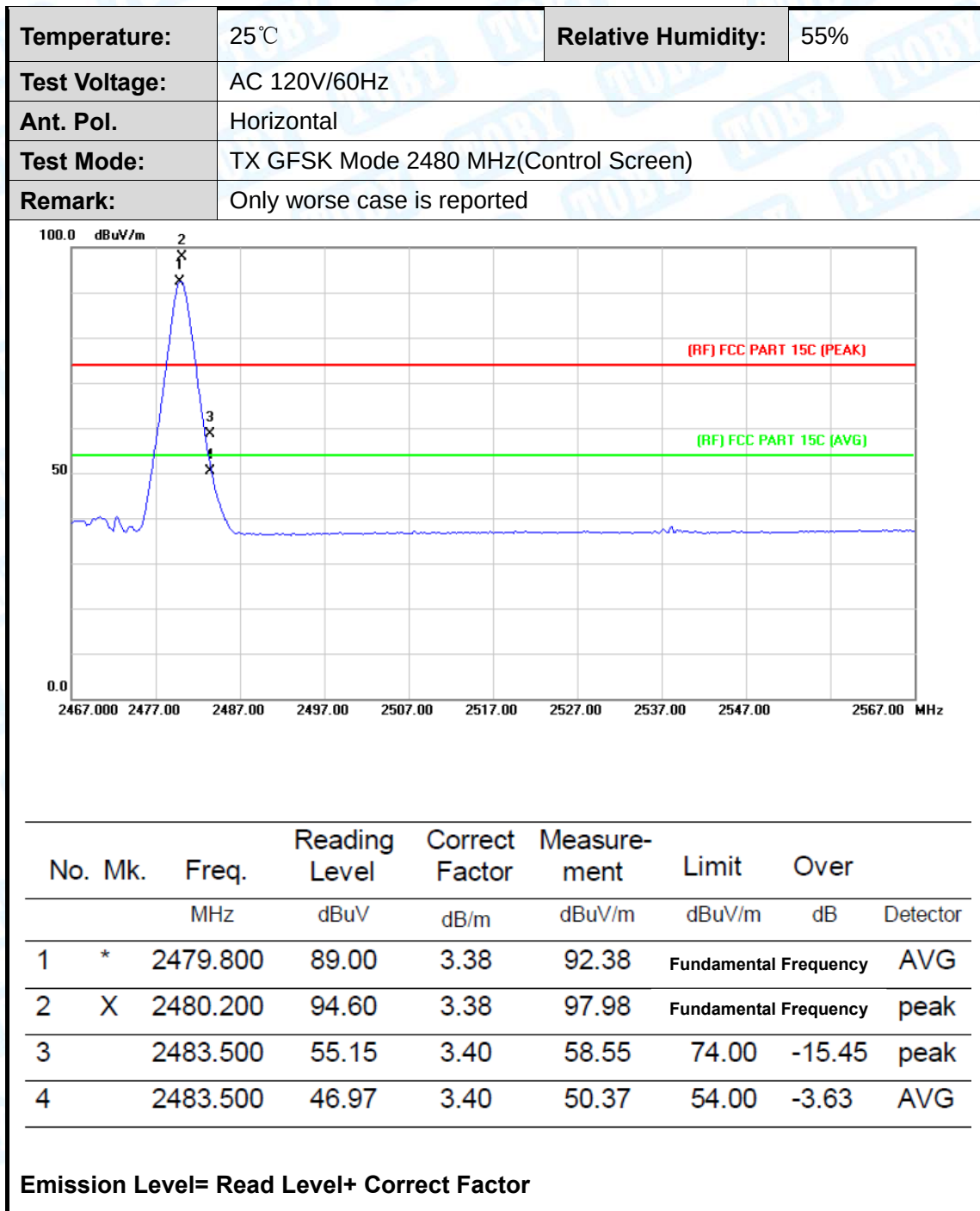
Emission Level= Read Level+ Correct Factor

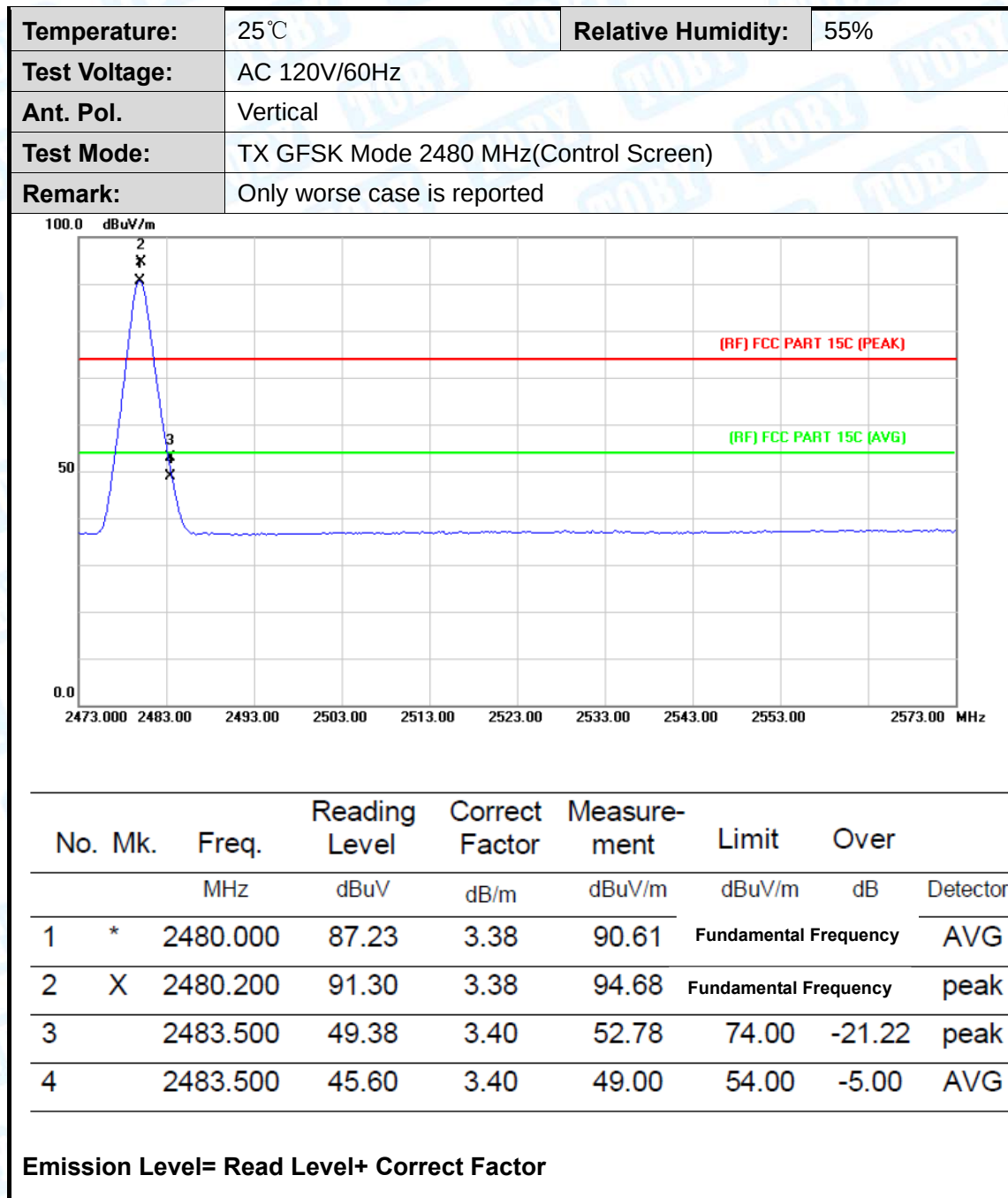
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX GFSK Mode 2402MHz(Control Screen)		
Remark:	Only worse case is reported		



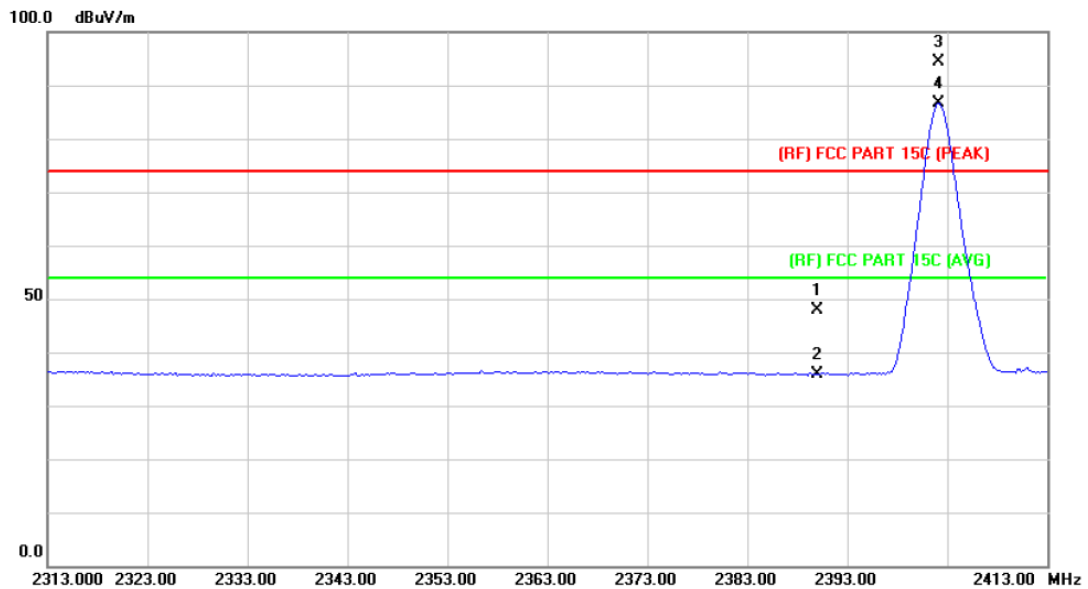
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	44.27	2.91	47.18	74.00	-26.82	peak
2		2390.000	33.10	2.91	36.01	54.00	-17.99	AVG
3	X	2402.200	93.47	2.95	96.42	Fundamental Frequency		peak
4	*	2402.200	87.52	2.95	90.47	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor





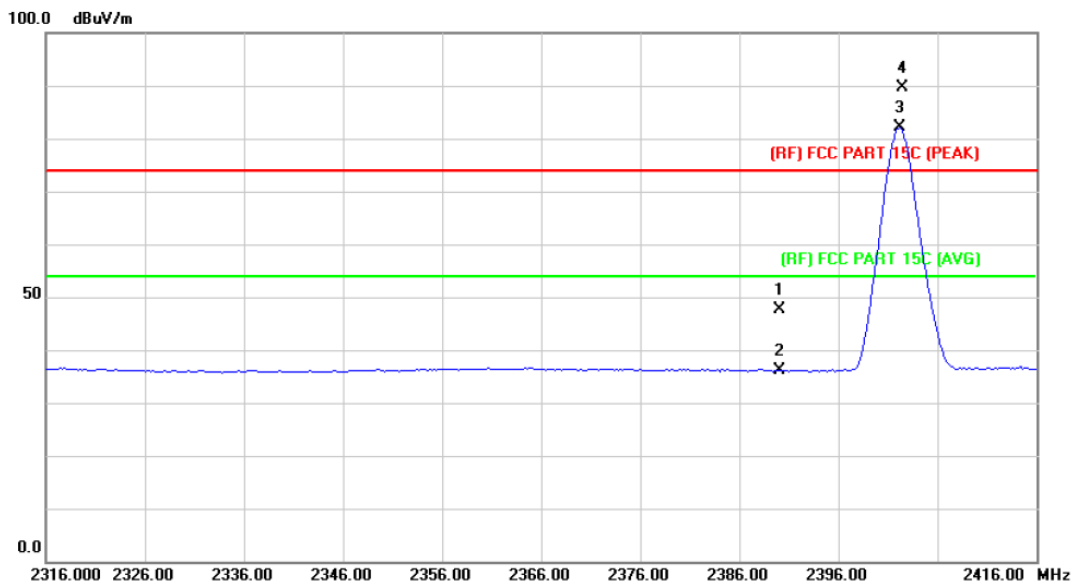
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX π /4-DQPSK Mode 2402MHz(Control Screen)		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	44.94	2.91	47.85	74.00	-26.15	peak
2		2390.000	33.01	2.91	35.92	54.00	-18.08	AVG
3	X	2402.200	91.47	2.95	94.42	Fundamental Frequency		peak
4	*	2402.200	83.74	2.95	86.69	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

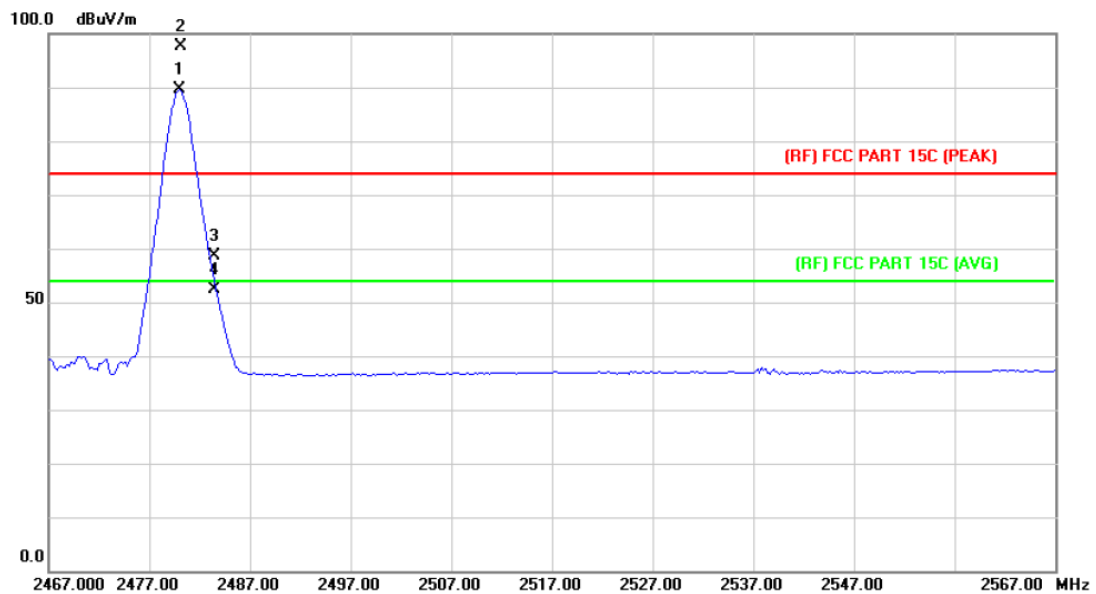
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX π /4-DQPSK Mode 2402MHz(Control Screen)		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	44.66	2.91	47.57	74.00	-26.43	peak
2		2390.000	33.17	2.91	36.08	54.00	-17.92	AVG
3	*	2402.200	79.09	2.95	82.04	Fundamental Frequency		AVG
4	X	2402.400	86.62	2.95	89.57	Fundamental Frequency		peak

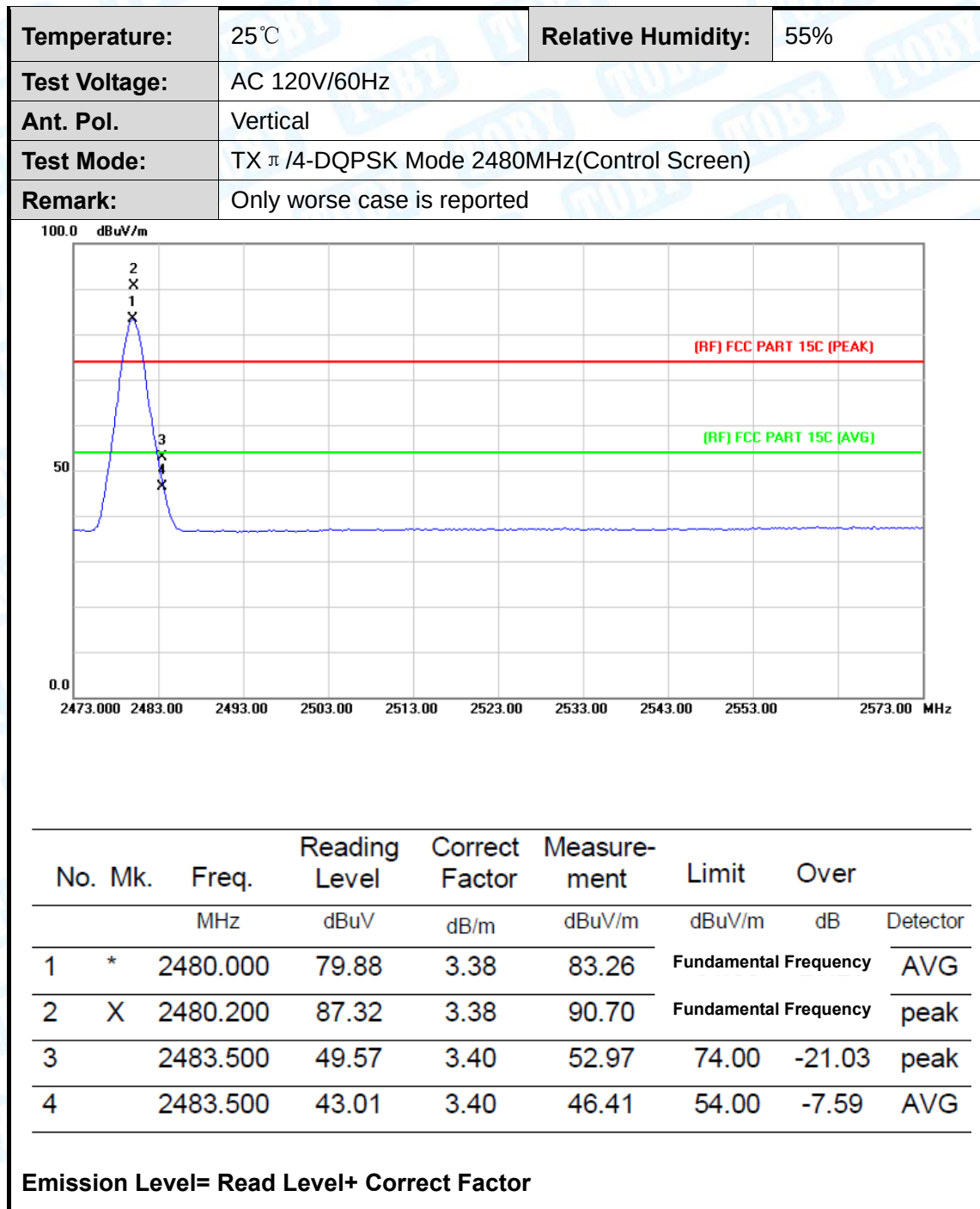
Emission Level= Read Level+ Correct Factor

Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX π /4-DQPSK Mode 2480MHz(Control Screen)		
Remark:	Only worse case is reported		

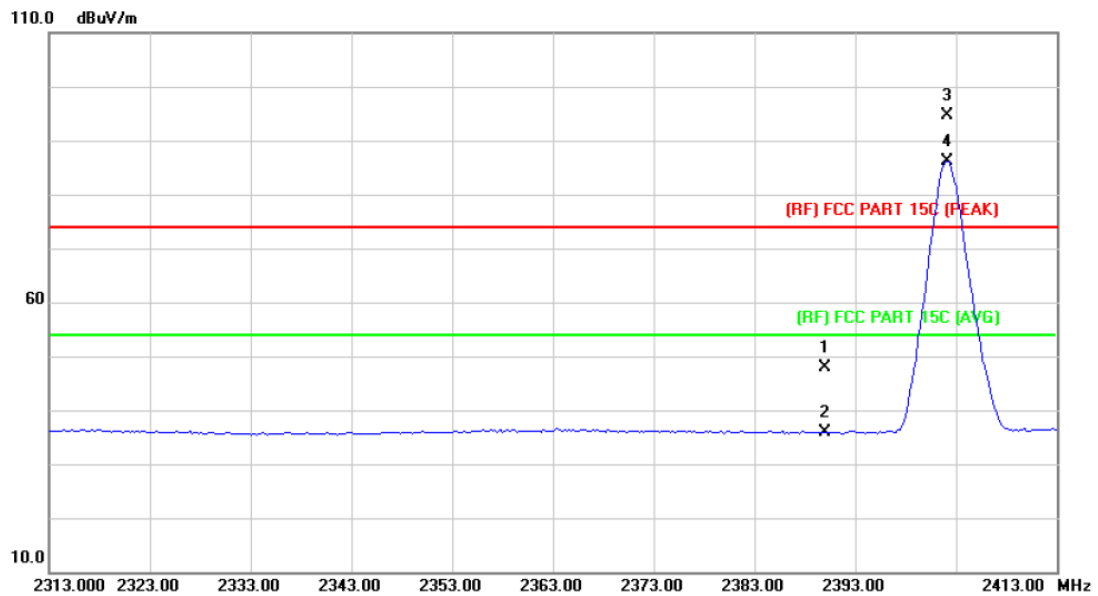


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2480.000	86.22	3.38	89.60	Fundamental Frequency		AVG
2	X	2480.200	94.16	3.38	97.54	Fundamental Frequency		peak
3		2483.500	55.18	3.40	58.58	74.00	-15.42	peak
4		2483.500	49.02	3.40	52.42	54.00	-1.58	AVG

Emission Level= Read Level+ Correct Factor



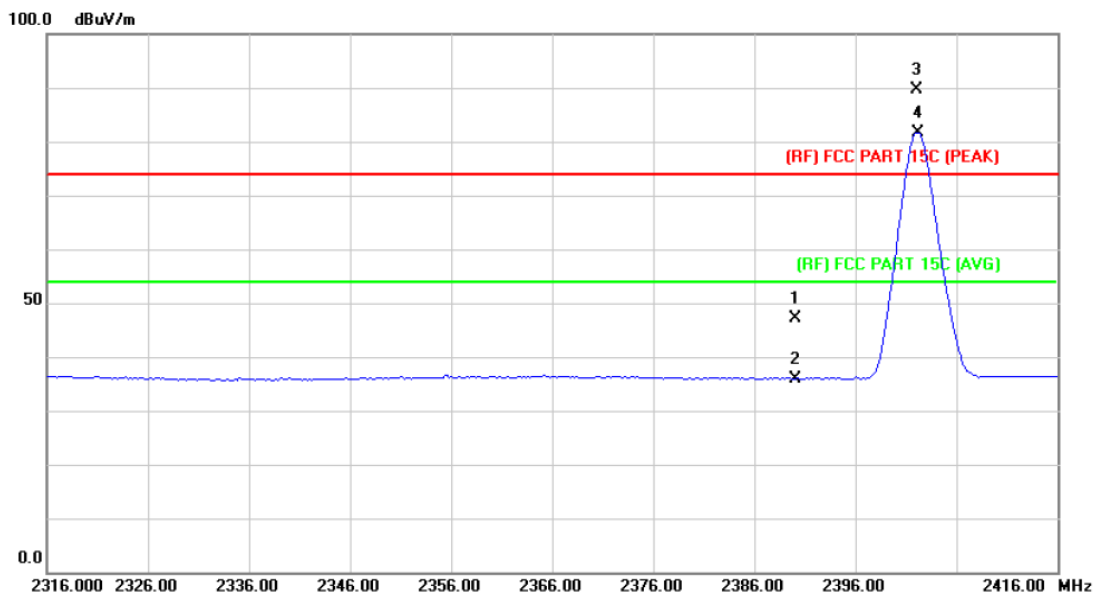
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 8-DPSK Mode 2402MHz(Control Screen)		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	44.88	2.91	47.79	74.00	-26.21	peak
2		2390.000	32.89	2.91	35.80	54.00	-18.20	AVG
3	X	2402.200	91.70	2.95	94.65	Fundamental Frequency		peak
4	*	2402.200	83.25	2.95	86.20	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

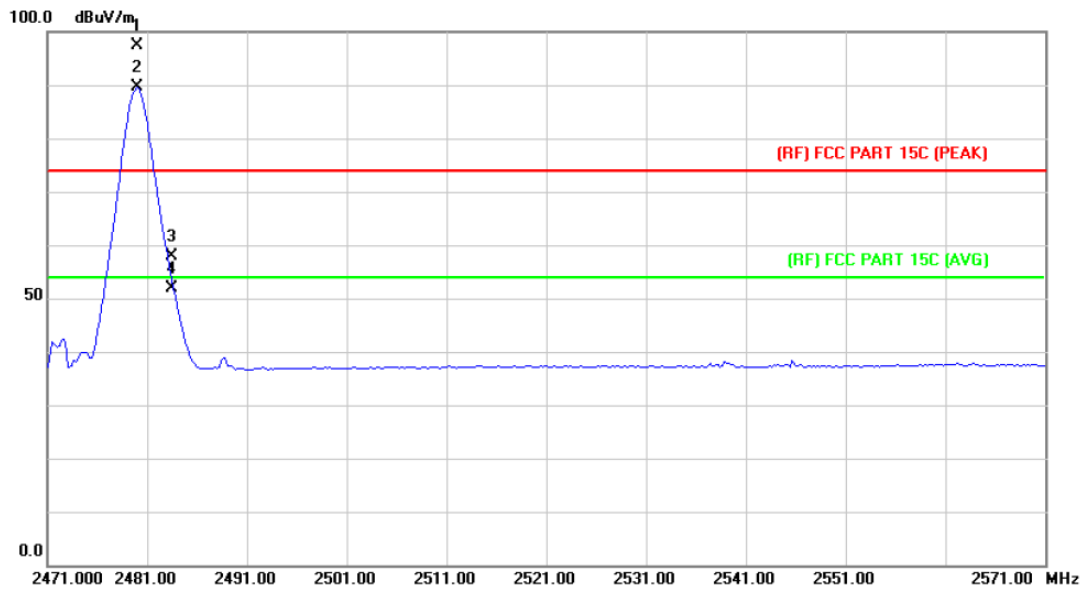
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 8-DPSK Mode 2402MHz(Control Screen)		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	44.23	2.91	47.14	74.00	-26.86	peak
2		2390.000	32.95	2.91	35.86	54.00	-18.14	AVG
3	X	2402.000	86.65	2.95	89.60	Fundamental Frequency		peak
4	*	2402.200	78.80	2.95	81.75	Fundamental Frequency		AVG

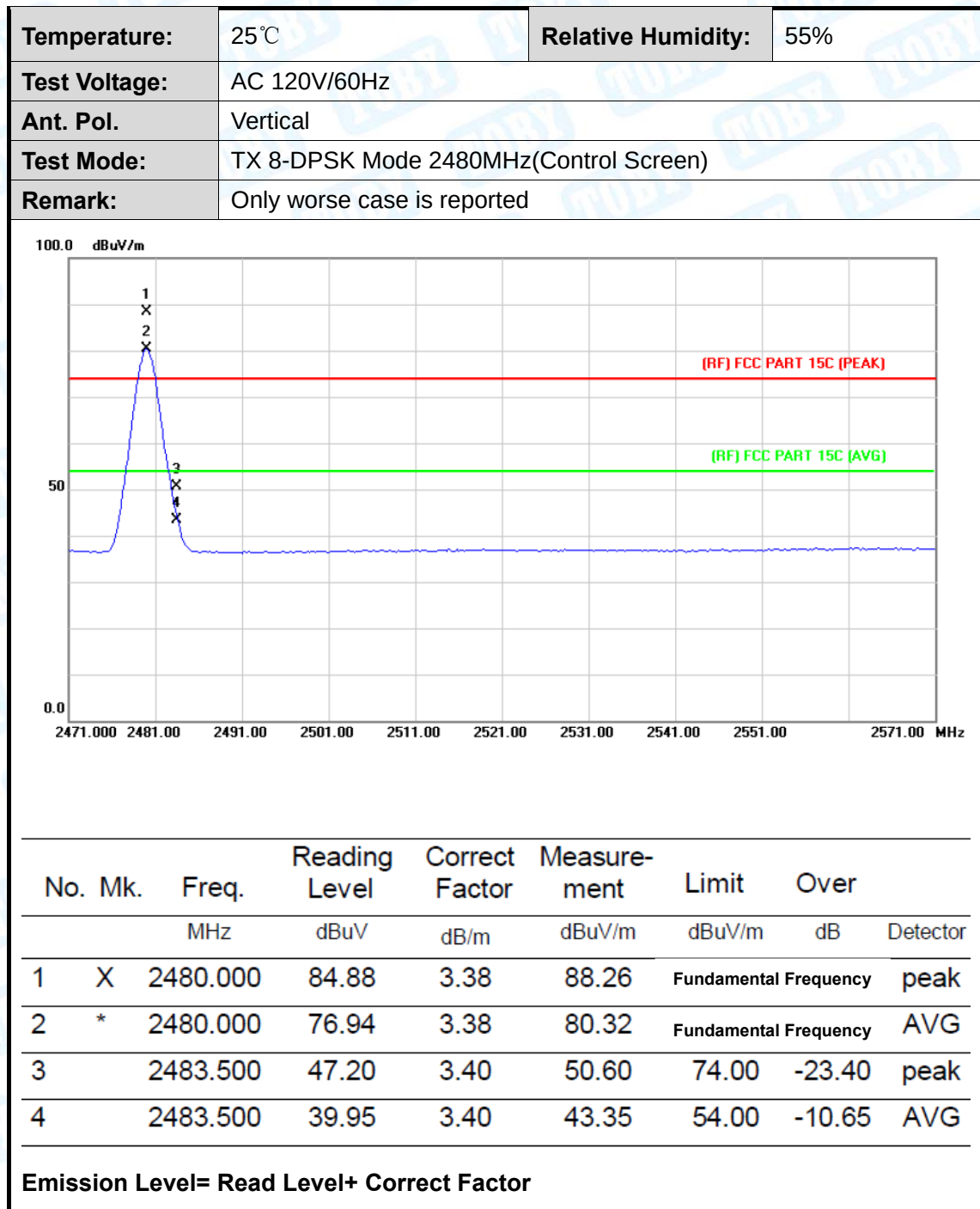
Emission Level= Read Level+ Correct Factor

Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 8-DPSK Mode 2480MHz(Control Screen)		
Remark:	Only worse case is reported		



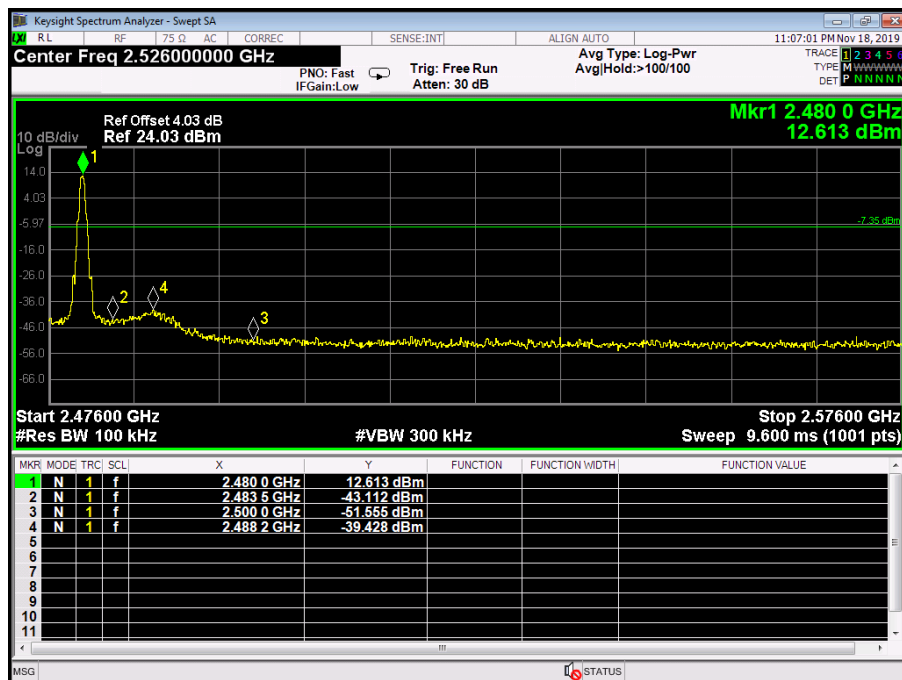
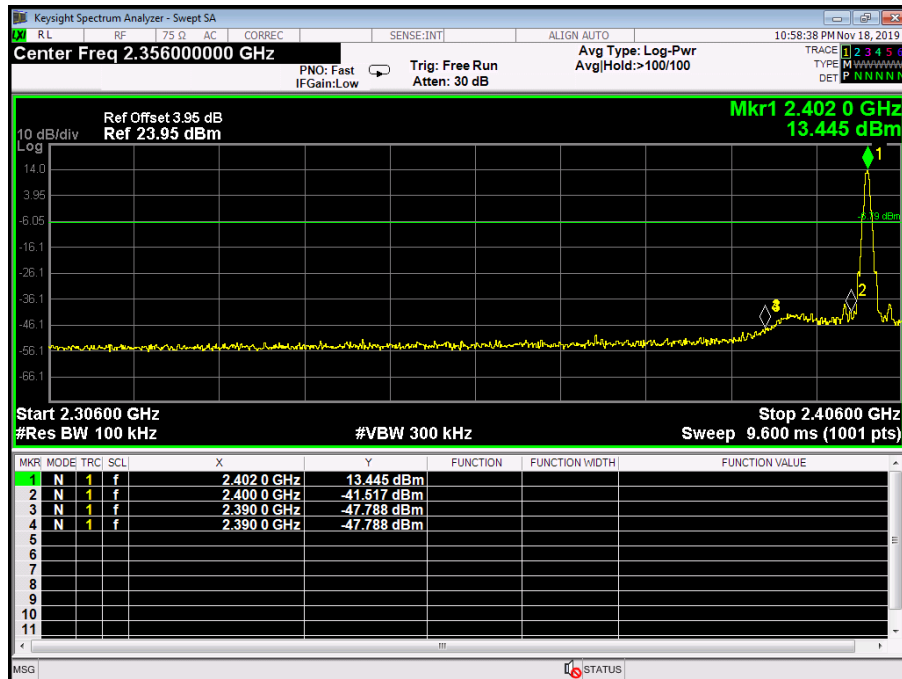
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2480.000	94.02	3.38	97.40	Fundamental Frequency		peak
2	*	2480.000	86.28	3.38	89.66	Fundamental Frequency		AVG
3		2483.500	54.43	3.40	57.83	74.00	-16.17	peak
4		2483.500	48.38	3.40	51.78	54.00	-2.22	AVG

Emission Level= Read Level+ Correct Factor

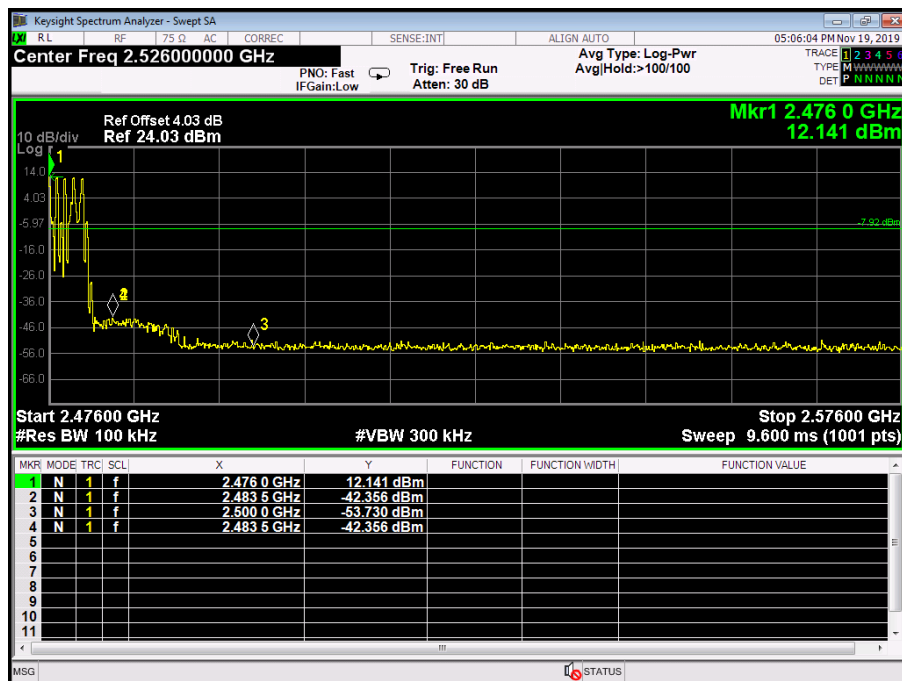
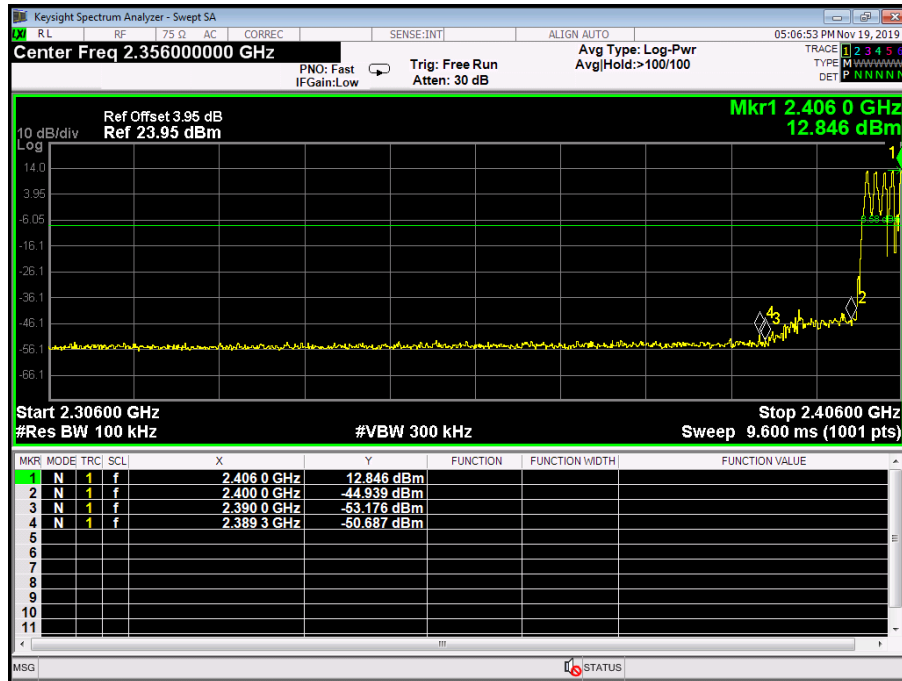


(2) Conducted Test

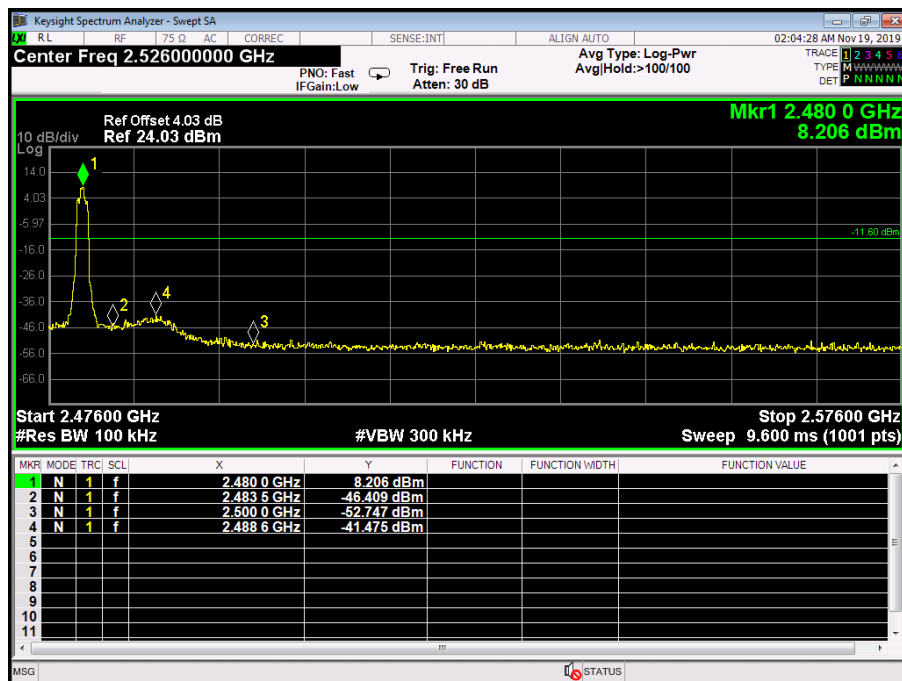
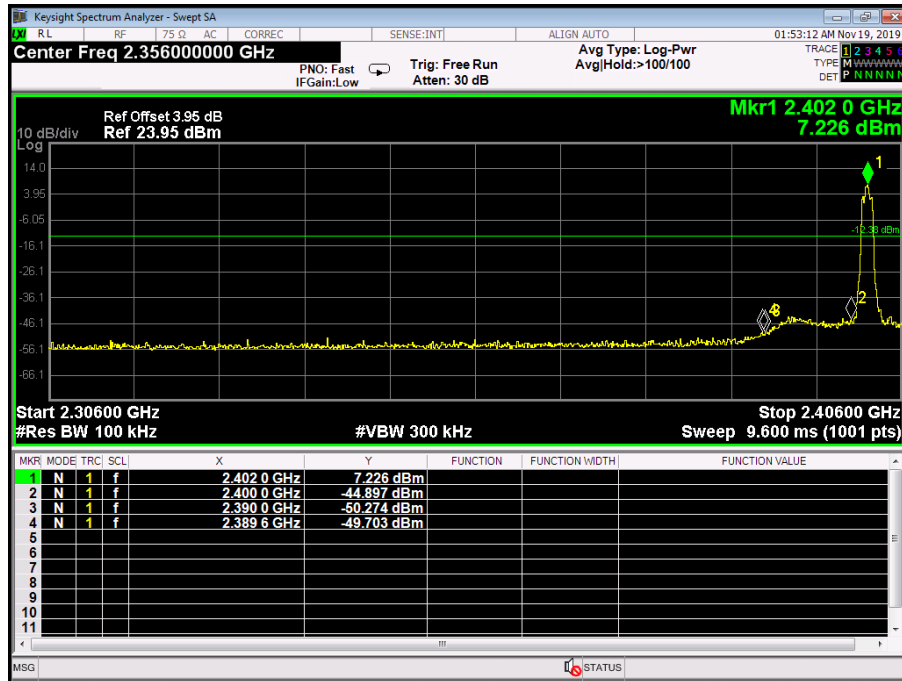
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX GFSK Mode 2402MHz/2480 MHz(Laser Camera)		
Remark:	Only worse case is reported		



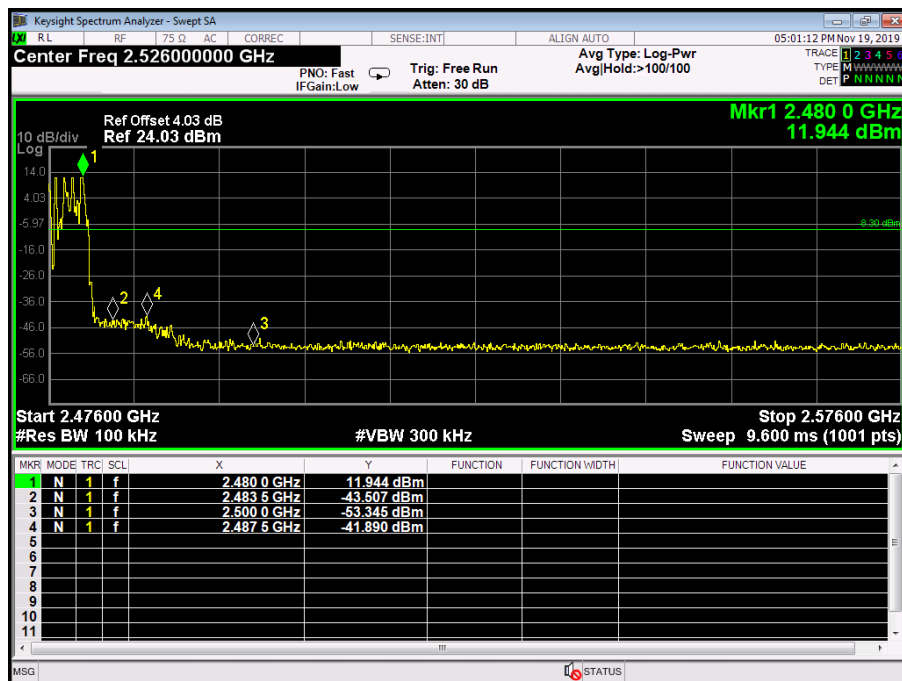
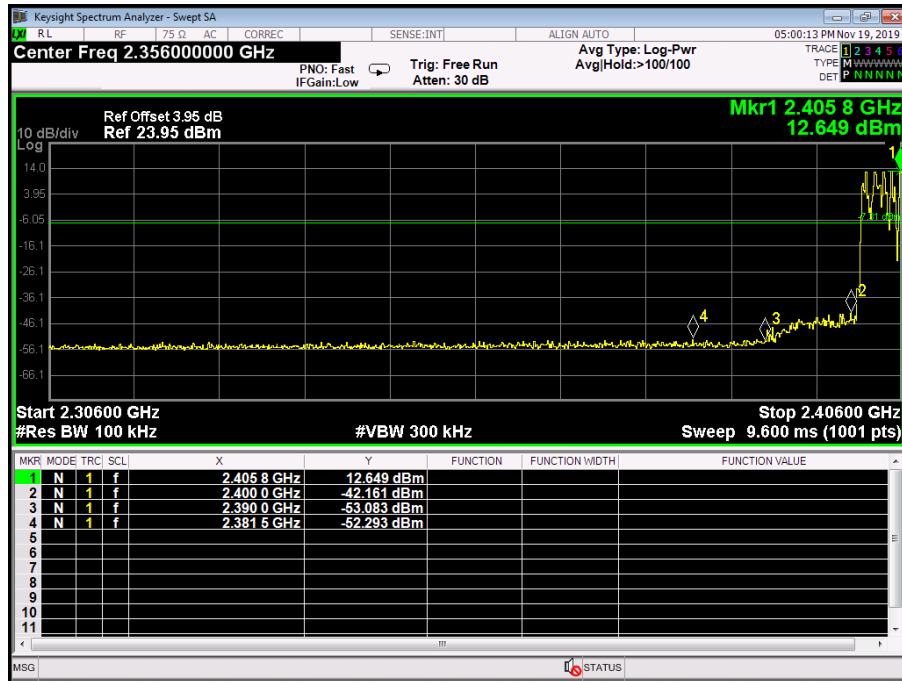
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	GFSK Hopping Mode(Laser Camera)		
Remark:	Only worse case is reported		



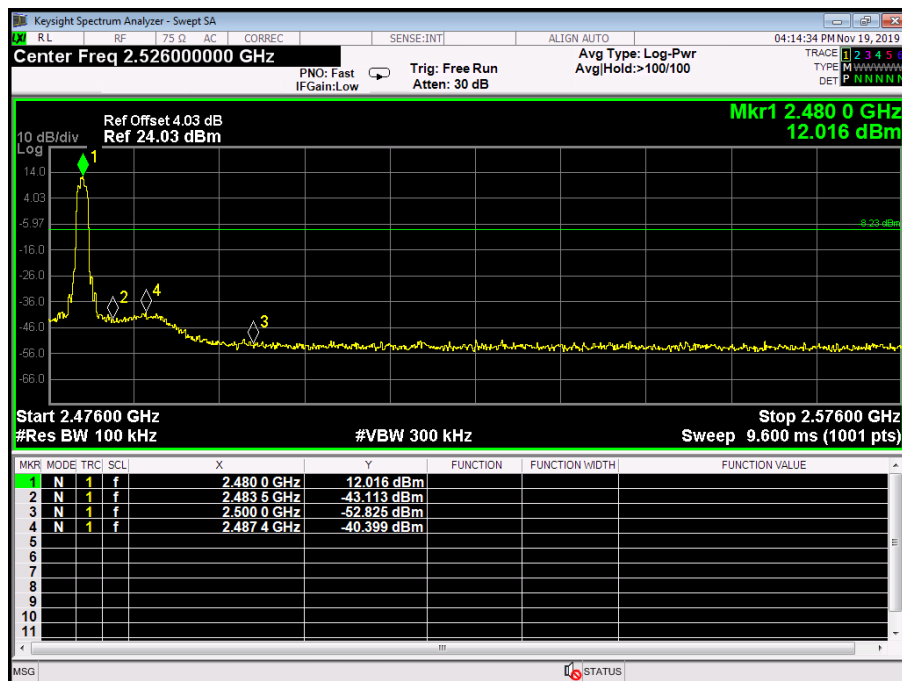
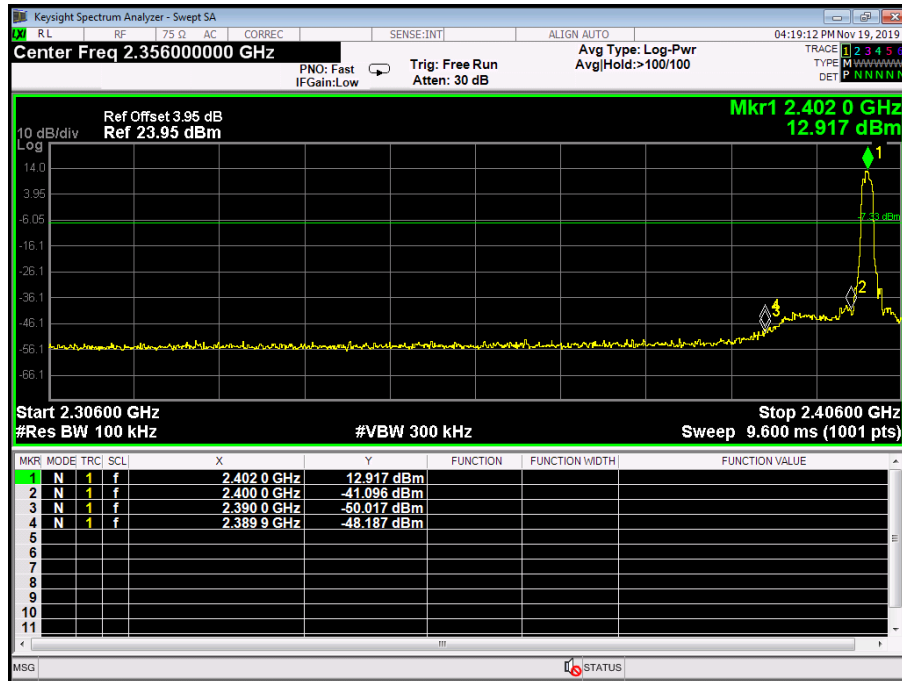
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX π /4-DQPSK Mode 2402MHz/2480 MHz(Laser Camera)		
Remark:	Only worse case is reported		



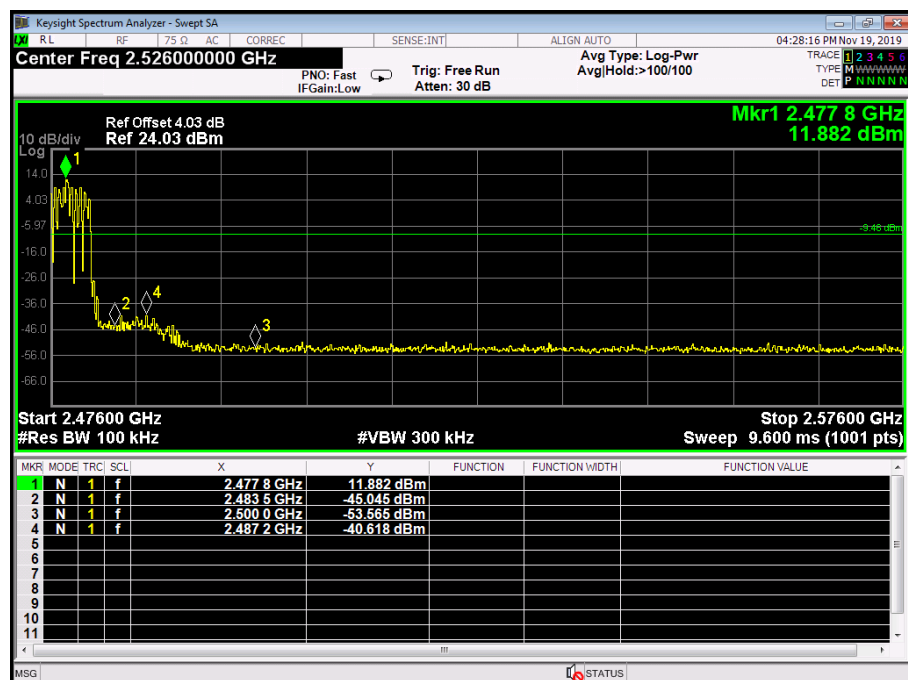
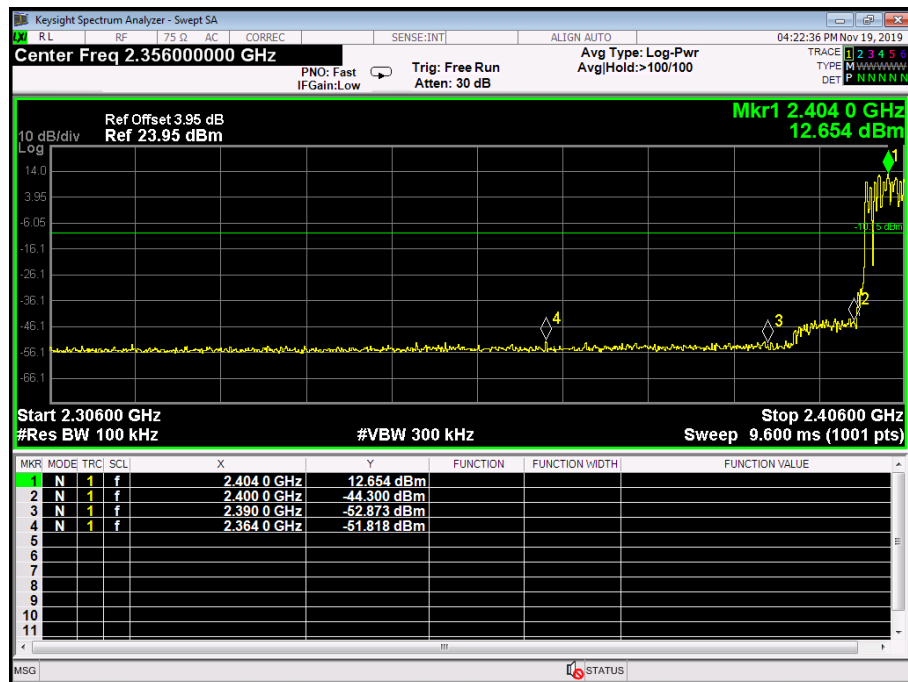
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	π /4-DQPSK Hopping Mode(Laser Camera)		
Remark:	Only worse case is reported		



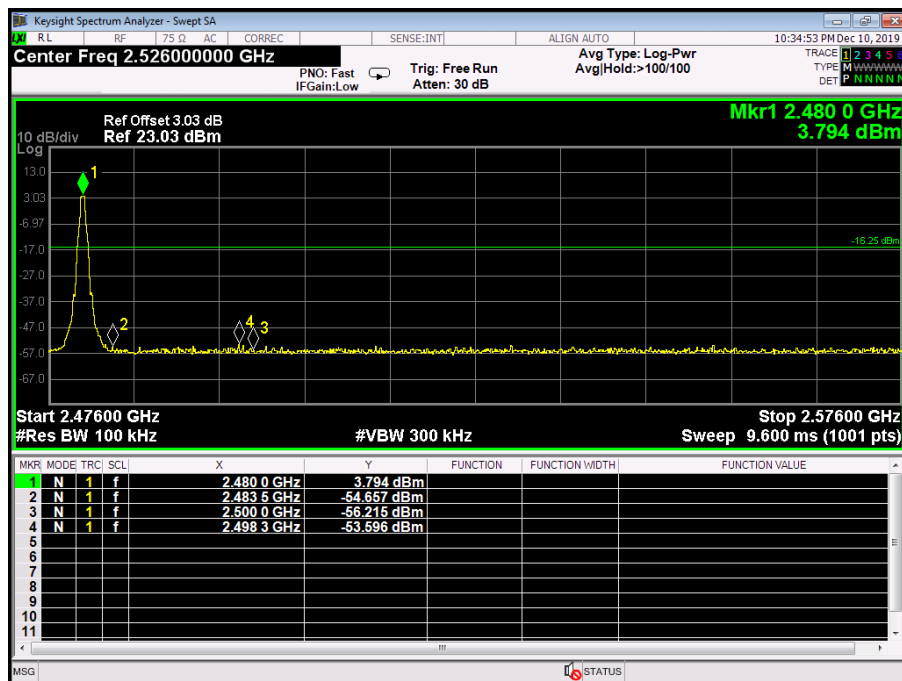
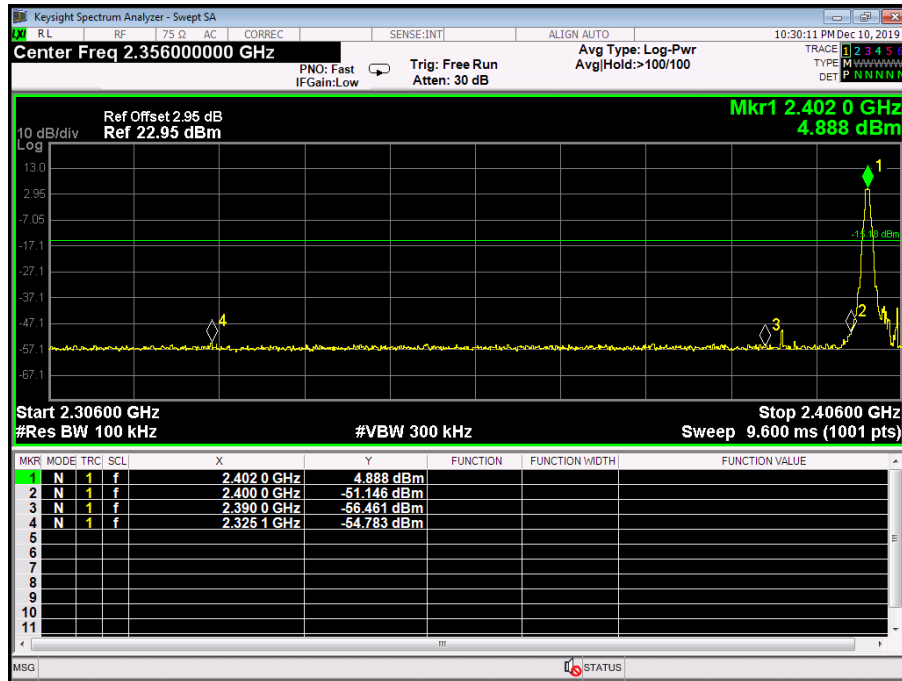
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 8-DPSK Mode 2402MHz/2480 MHz(Laser Camera)		
Remark:	Only worse case is reported		



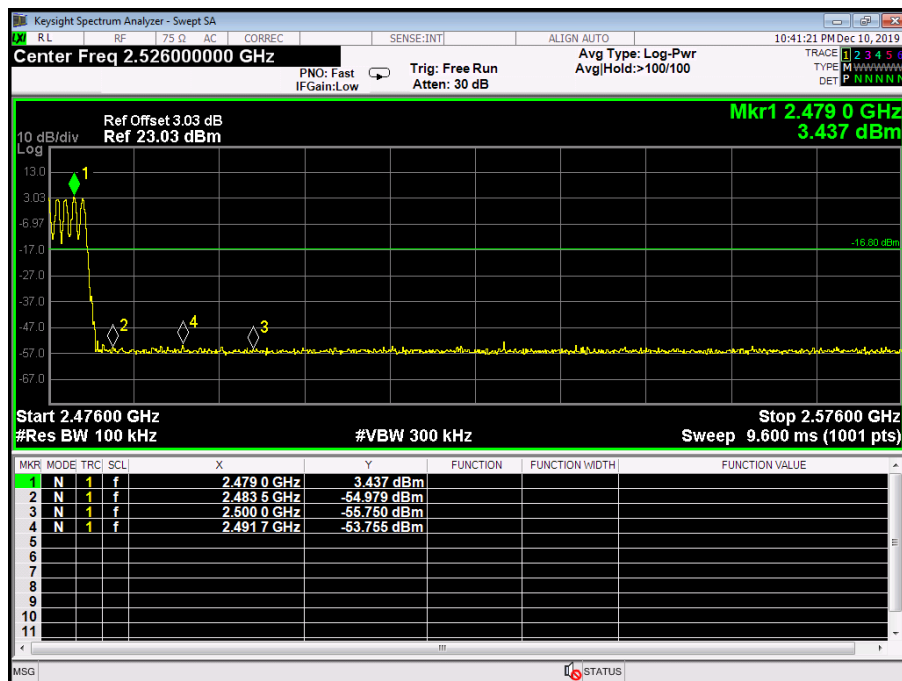
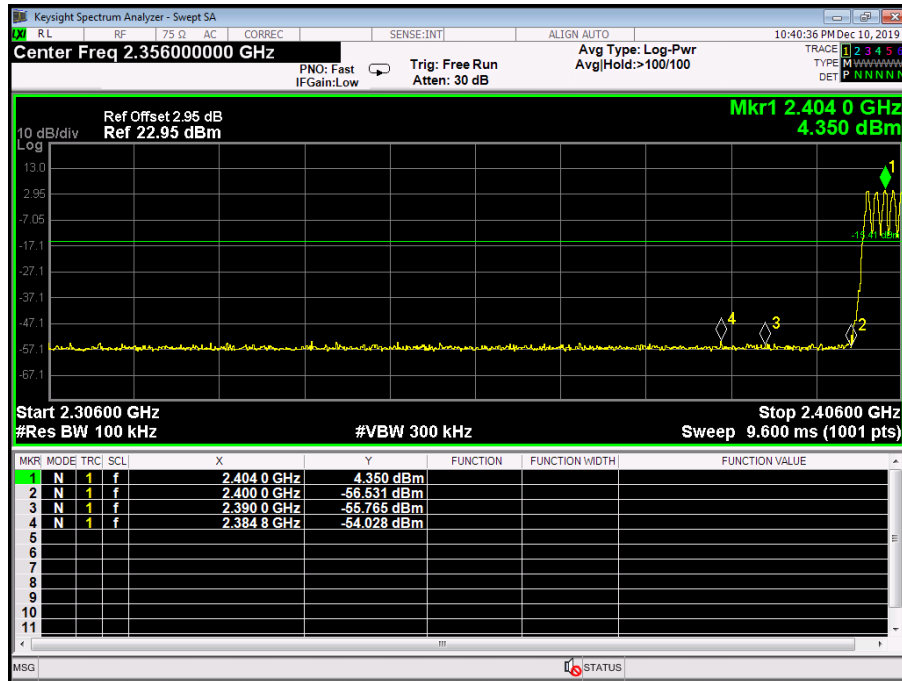
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	8-DPSK Hopping Mode(Laser Camera)		
Remark:	Only worse case is reported		



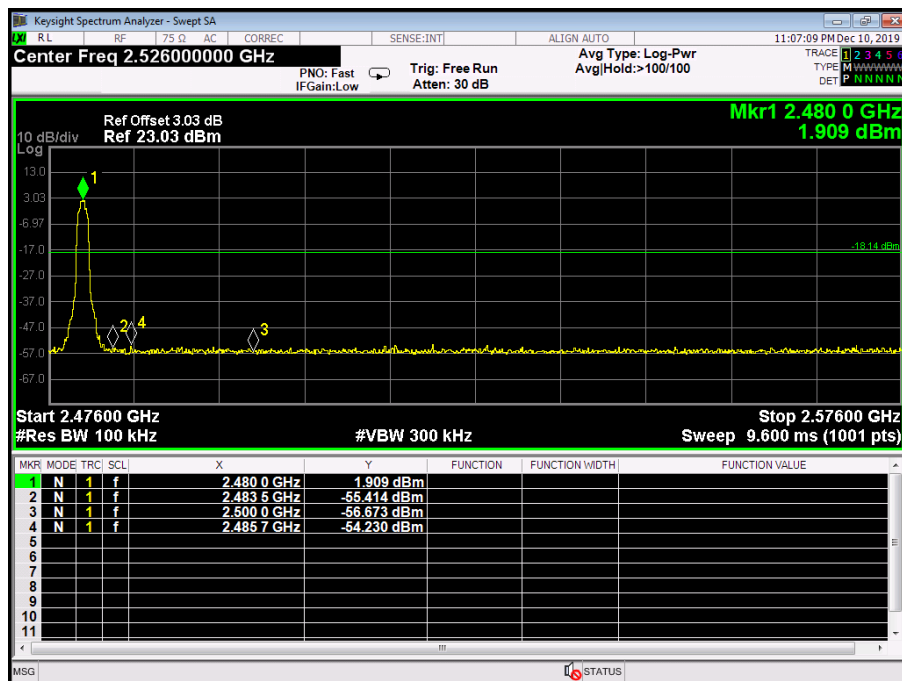
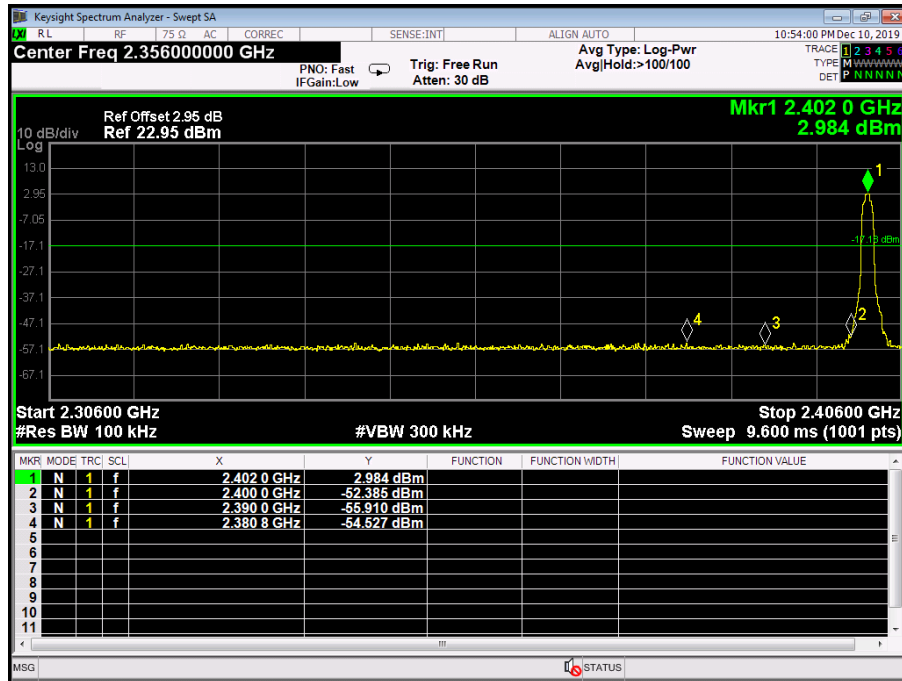
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX GFSK Mode 2402MHz/2480MHz(Control Screen)		
Remark:	Only worse case is reported		



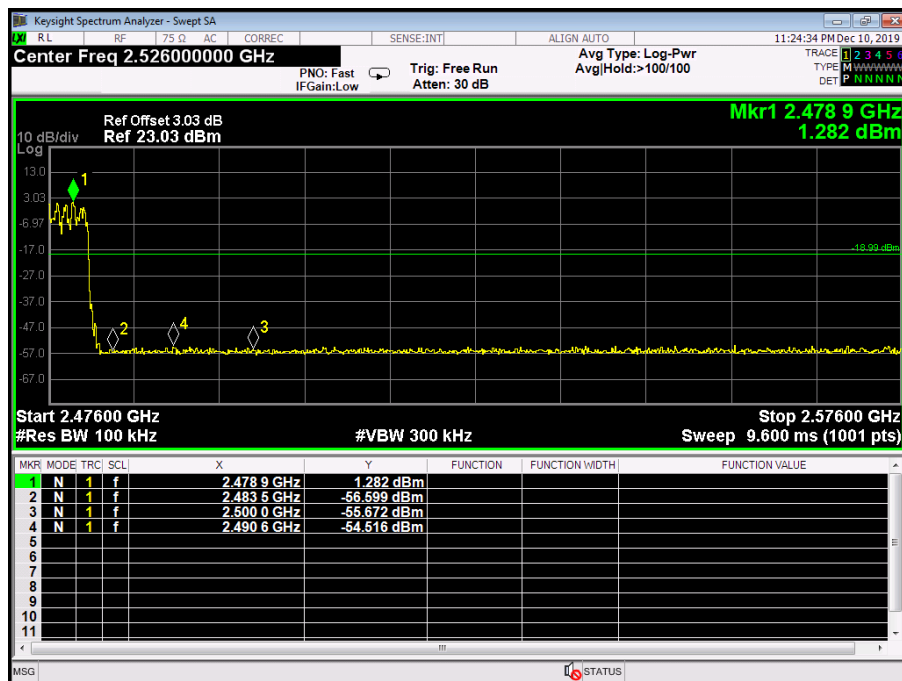
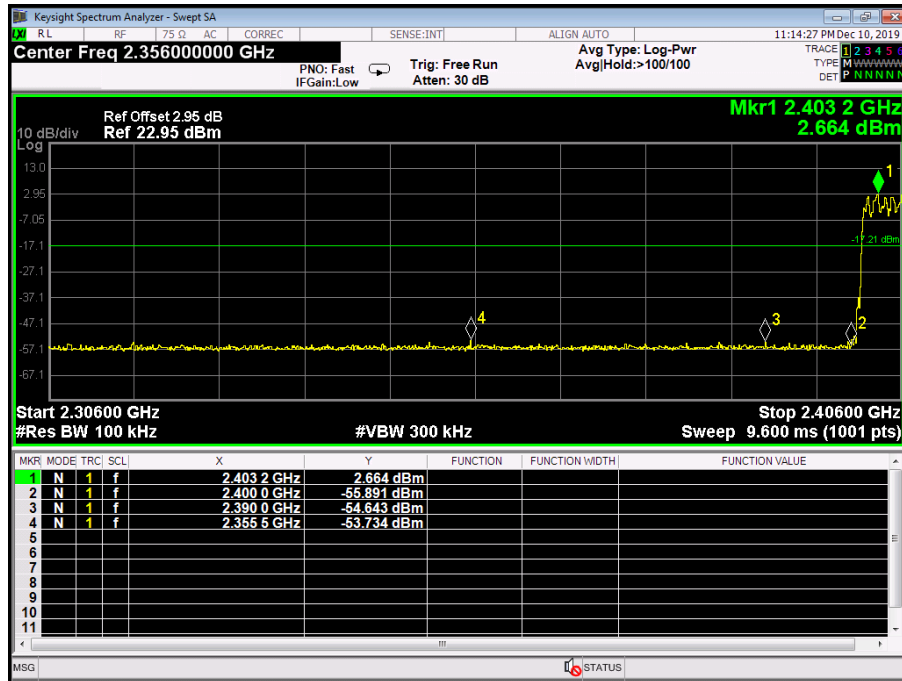
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	GFSK Hopping Mode(Control Screen)		
Remark:	Only worse case is reported		



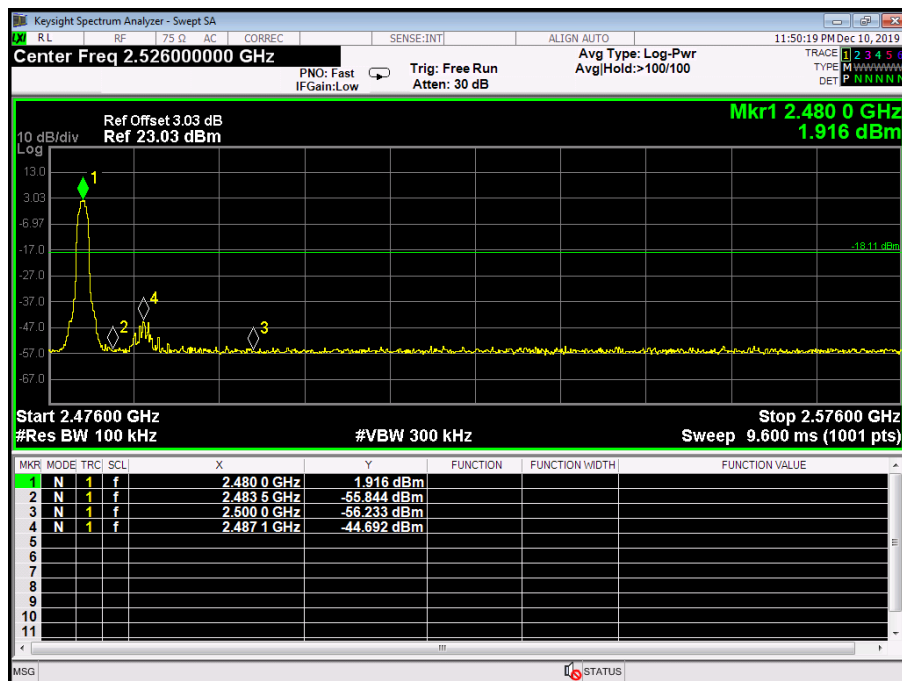
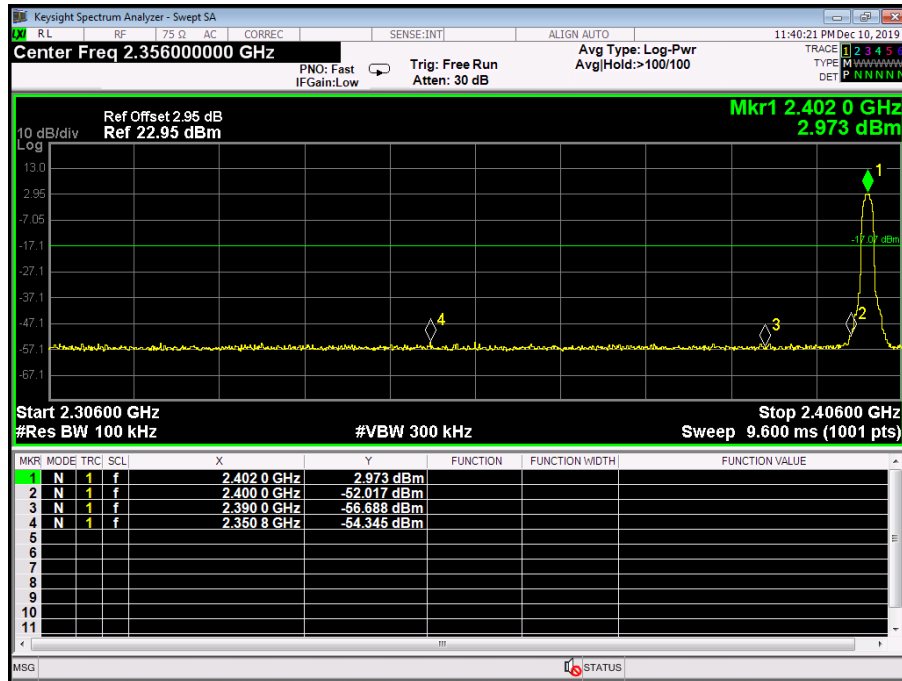
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX π /4-DQPSK Mode 2402MHz/2480MHz(Control Screen)		
Remark:	Only worse case is reported		



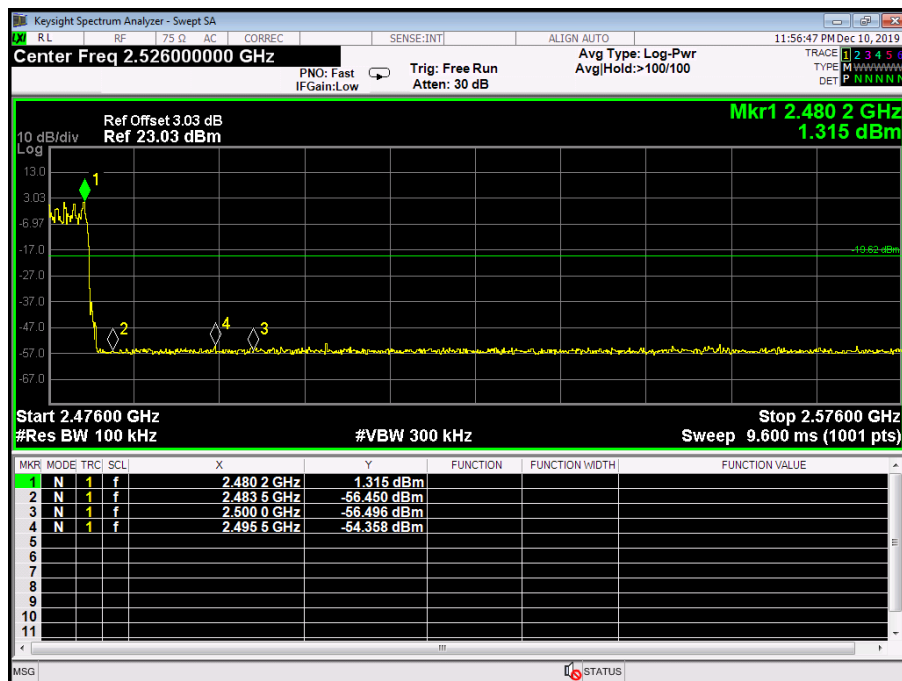
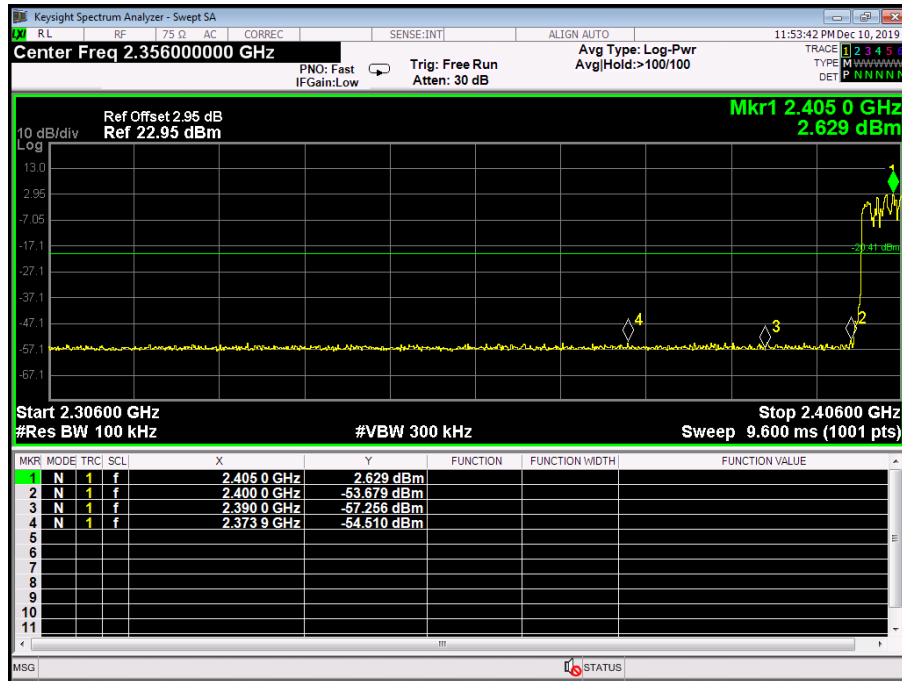
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	π /4-DQPSK Hopping Mode(Control Screen)		
Remark:	Only worse case is reported		



Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 8-DPSK Mode 2402MHz/2480MHz(Control Screen)		
Remark:	Only worse case is reported		



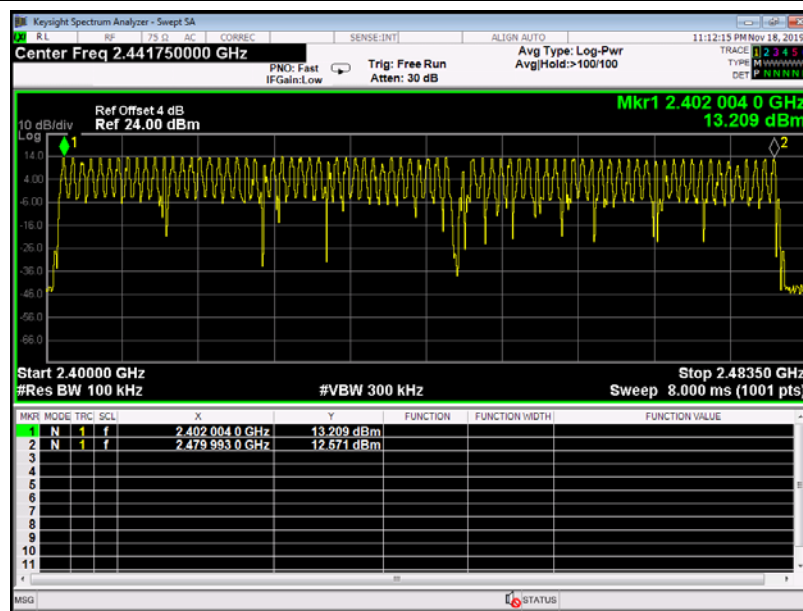
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	8-DPSK Hopping Mode(Control Screen)		
Remark:	Only worse case is reported		



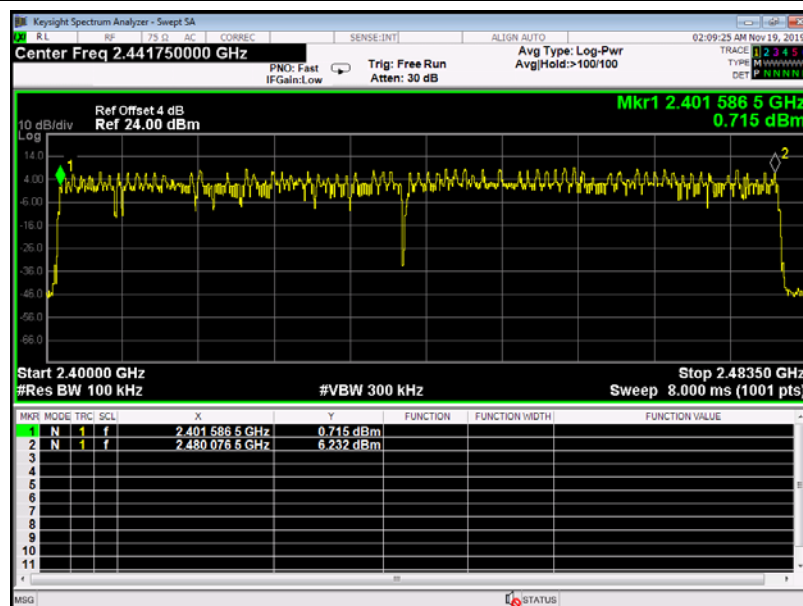
Attachment D-- Number of Hopping Channel Test Data

Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	Hopping Mode(Laser Camera)		
Frequency Range	Test Mode	Quantity of Hopping Channel	Limit
2402MHz~2480MHz	GFSK	79	>15
	$\pi/4$ -DQPSK	79	
	8-DPSK	79	

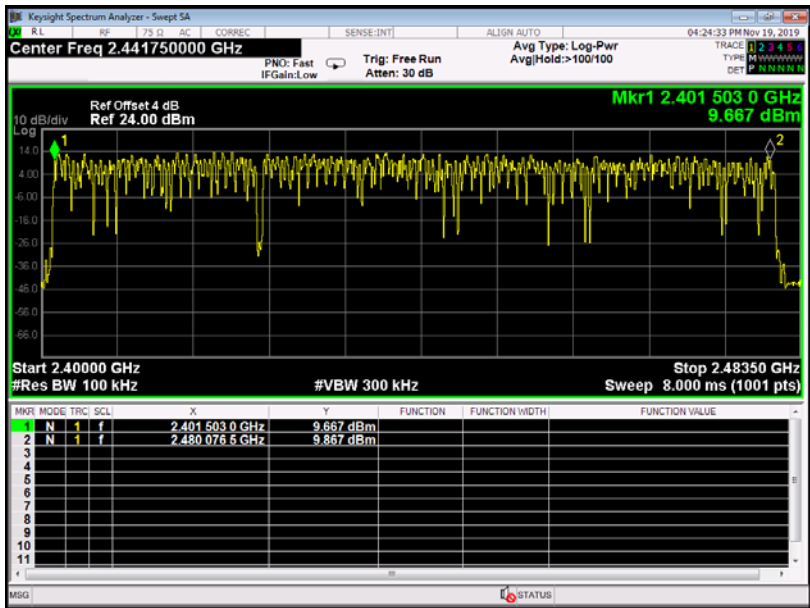
GFSK Mode



$\pi/4$ -DQPSK Mode

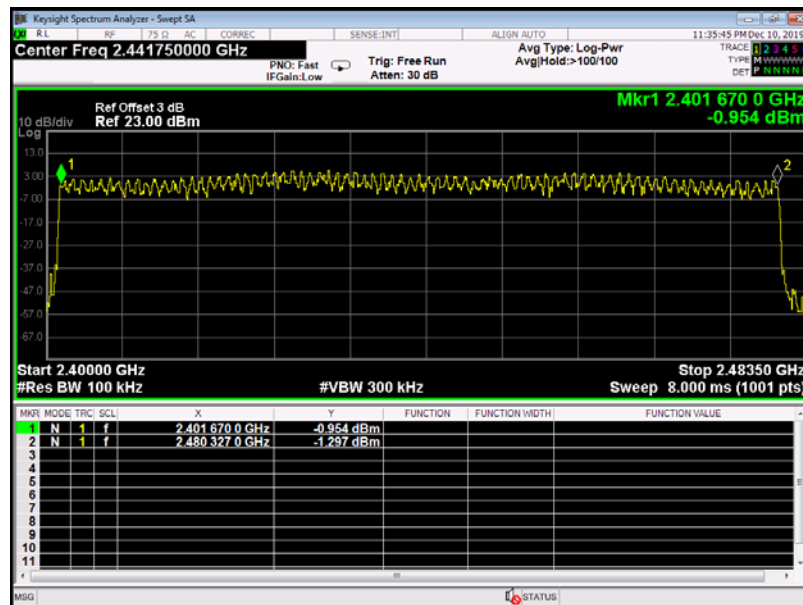


8-DPSK Mode

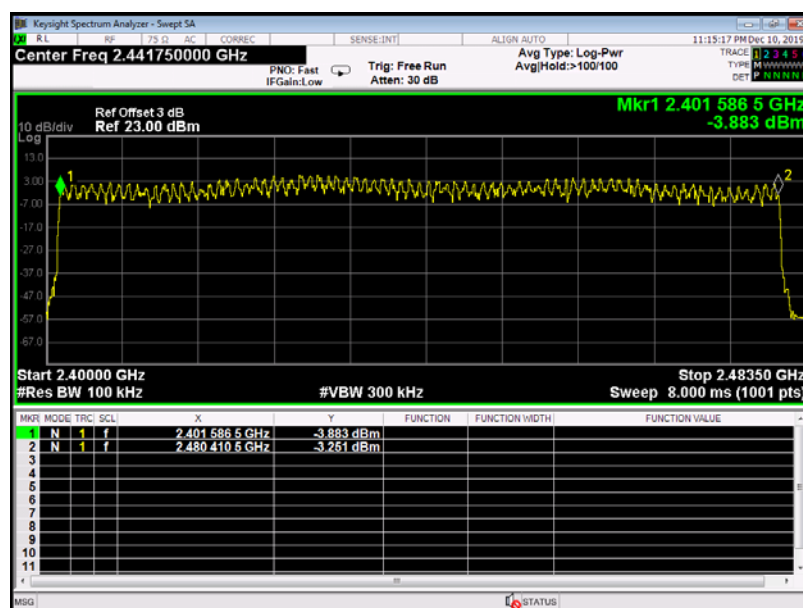


Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	Hopping Mode(Control Screen)		
Frequency Range	Test Mode	Quantity of Hopping Channel	Limit
2402MHz~2480MHz	GFSK	79	>15
	π /4-DQPSK	79	
	8-DPSK	79	

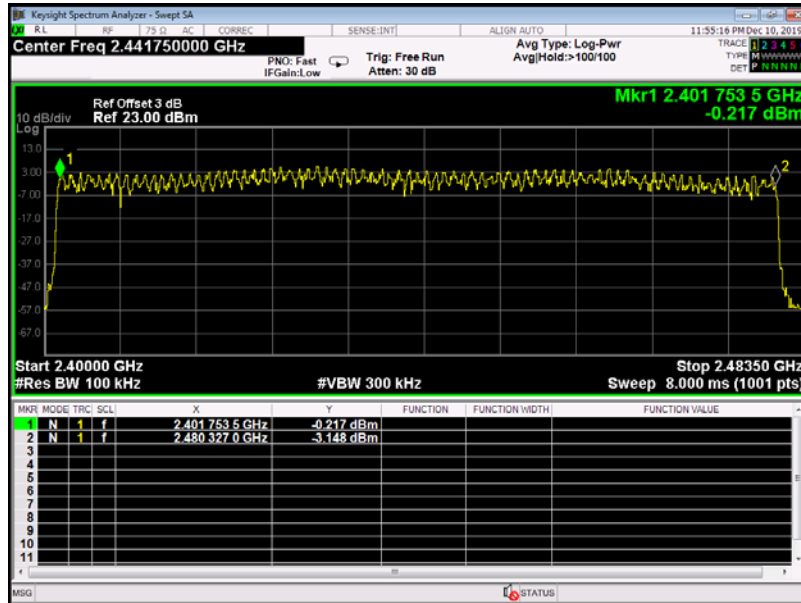
GFSK Mode



π /4-DQPSK Mode



8-DPSK Mode

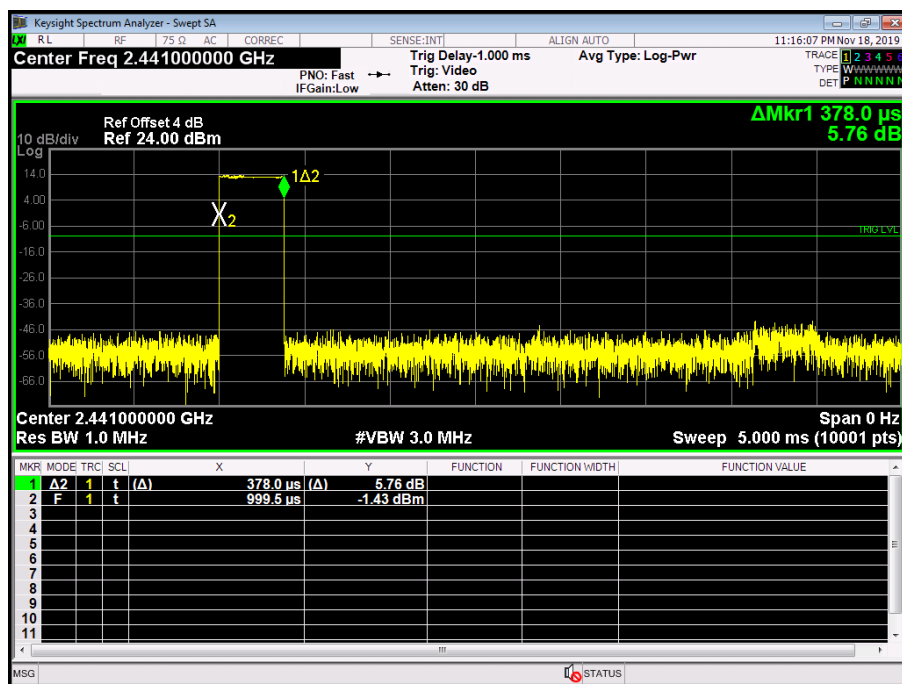


Attachment E-- Average Time of Occupancy Test Data

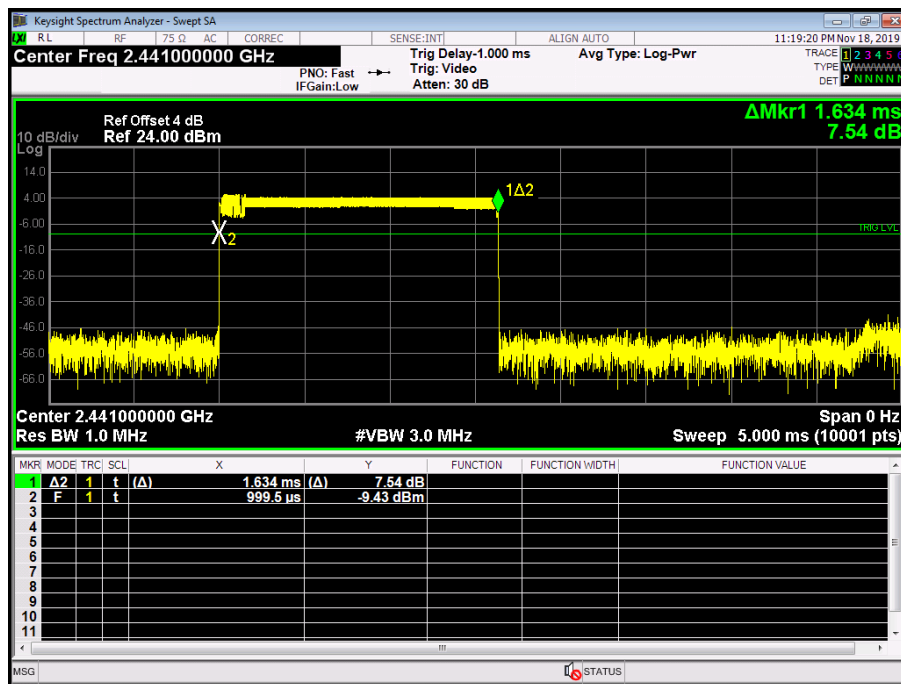
Temperature:		25℃		Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz					
Test Mode:		Hopping Mode (GFSK) (Laser Camera)					
Test Mode	Channel (MHz)	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result	
1DH1	2441	0.378	120.96	31.60	400	PASS	
1DH3	2441	1.634	261.44	31.60	400	PASS	
1DH5	2441	2.882	307.41	31.60	400	PASS	
1DH1 Total of Dwell= Pulse Time*(1600/2)*31.6/79							
1DH3 Total of Dwell= Pulse Time*(1600/4)*31.6/79							
1DH5 Total of Dwell= Pulse Time*(1600/6)*31.6/79							

GFSK Hopping Mode 1DH1

2441 MHz



2441 MHz

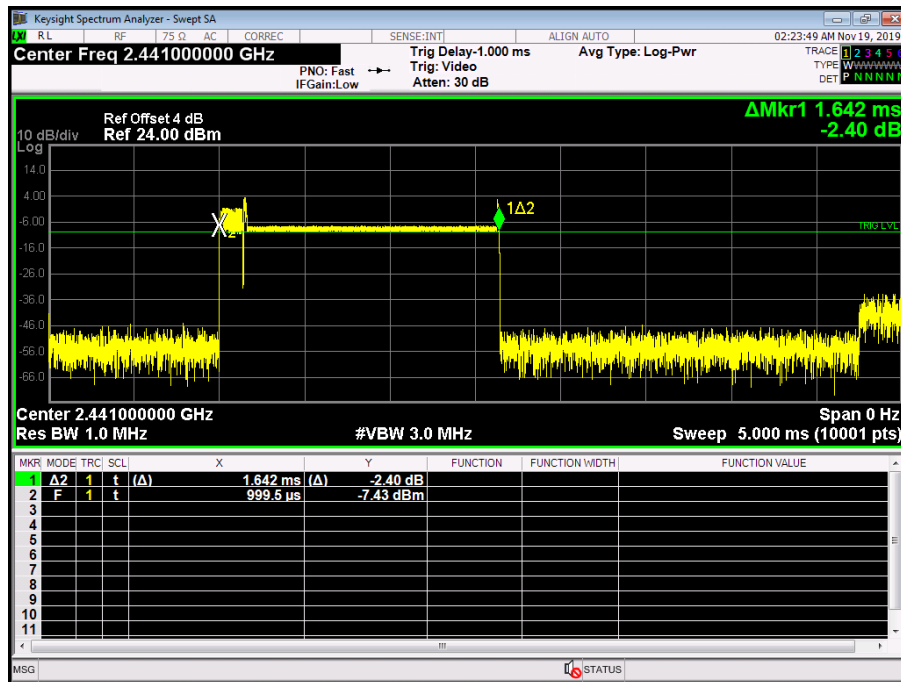


2441 MHz



$\pi/4$ -DQPSK Hopping Mode 2DH3

2441 MHz

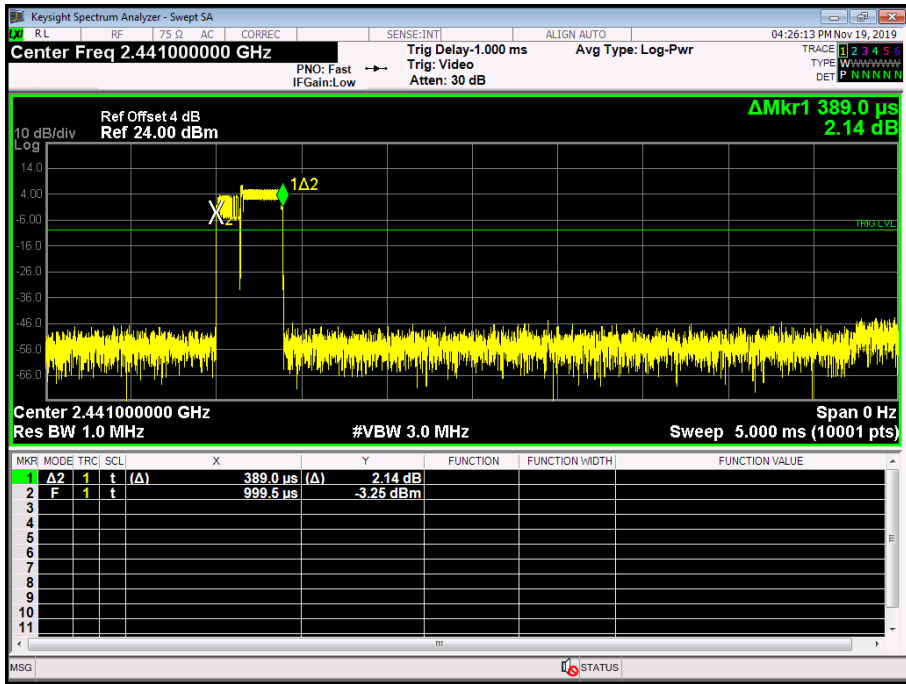


$\pi/4$ -DQPSK Hopping Mode 2DH5

2441 MHz

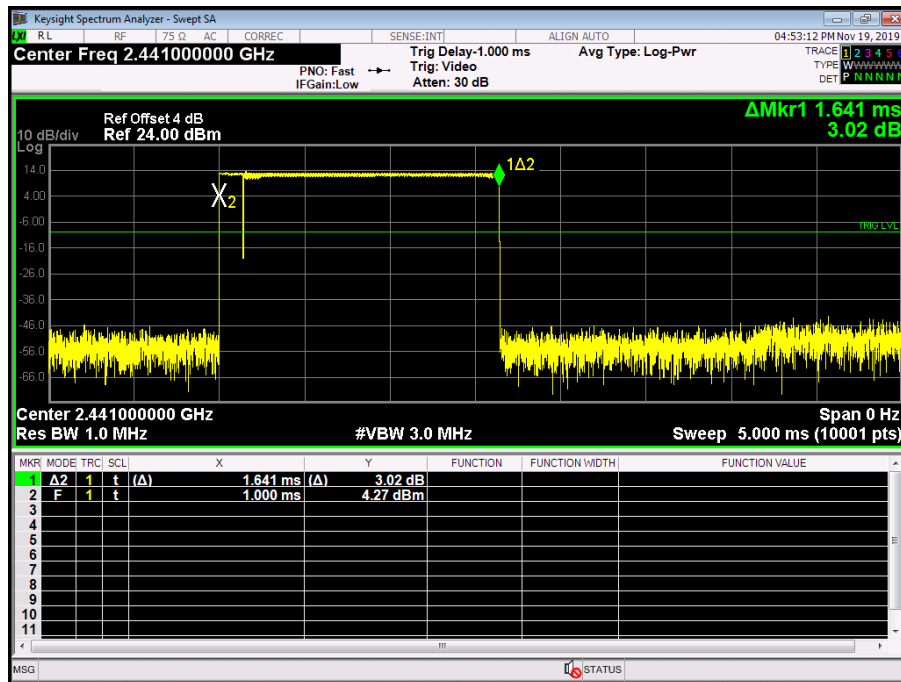


Temperature:		25°C		Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz					
Test Mode:		Hopping Mode (8-DPSK) (Laser Camera)					
Test Mode	Channel (MHz)	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result	
2DH1	2441	0.389	124.48	31.60	400	PASS	
2DH3	2441	1.641	262.56	31.60	400	PASS	
2DH5	2441	2.892	308.48	31.60	400	PASS	
2DH1 Total of Dwell= Pulse Time*(1600/2)*31.6/79							
2DH3 Total of Dwell= Pulse Time*(1600/4)*31.6/79							
2DH5 Total of Dwell= Pulse Time*(1600/6)*31.6/79							
8-DPSK Hopping Mode 2DH1							
2441 MHz							



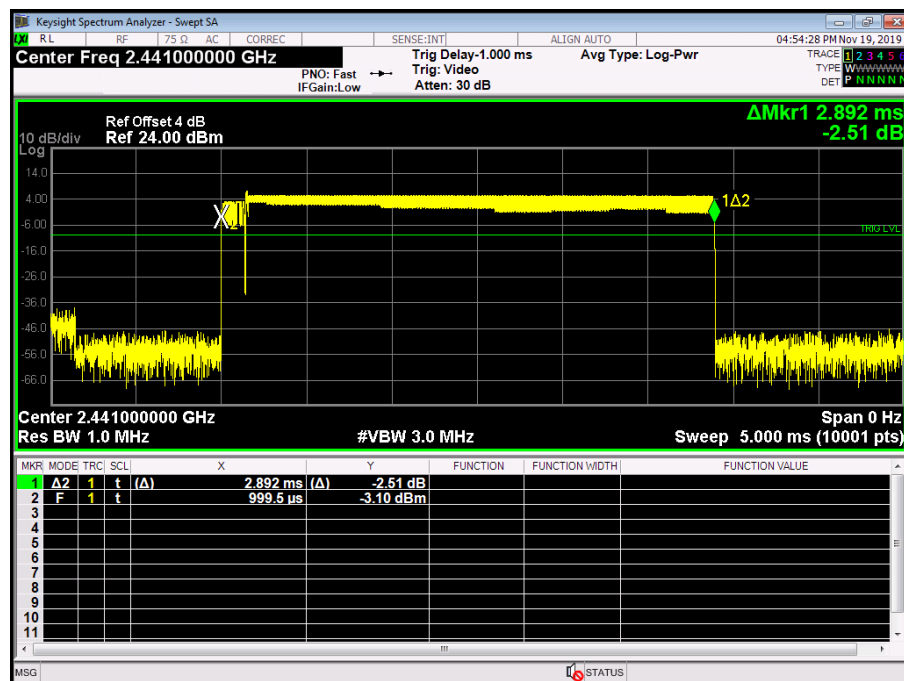
8-DPSK Hopping Mode 2DH3

2441 MHz



8-DPSK Hopping Mode 2DH5

2441 MHz



Temperature:		25℃		Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz					
Test Mode:		Hopping Mode (GFSK) (Control Screen)					
Test Mode	Channel (MHz)	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result	
1DH1	2441	0.371	118.72	31.60	400	PASS	
1DH3	2441	1.638	262.08	31.60	400	PASS	
1DH5	2441	2.886	307.84	31.60	400	PASS	

1DH1 Total of Dwell= Pulse Time*(1600/2)*31.6/79

1DH3 Total of Dwell= Pulse Time*(1600/4)*31.6/79

1DH5 Total of Dwell= Pulse Time*(1600/6)*31.6/79

GFSK Hopping Mode 1DH1

2441 MHz

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Trig Delay-1.000 ms

Avg Type: Log-Pwr

Ref Offset 3.59 dB

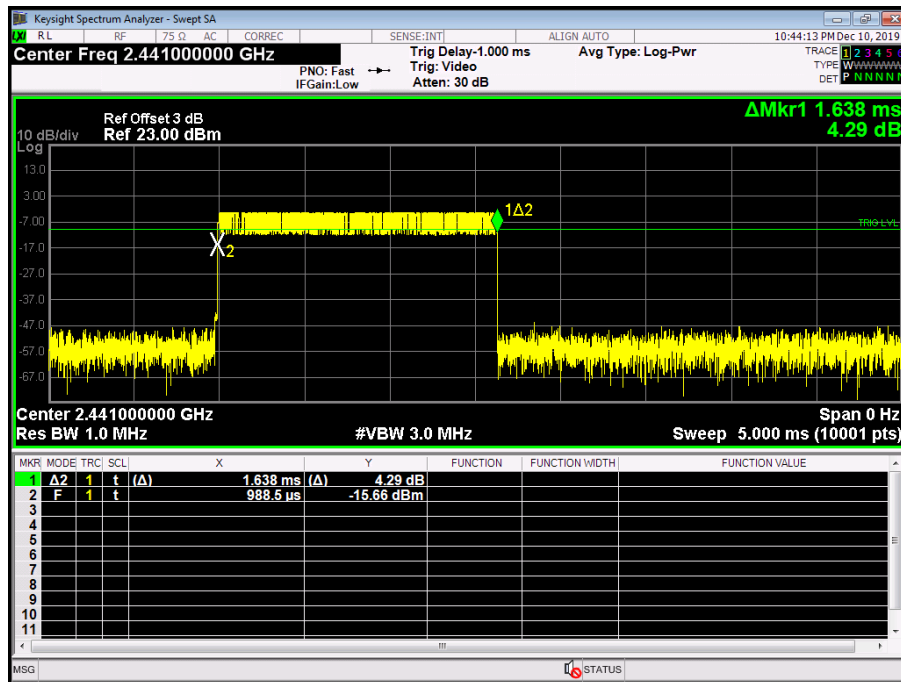
Ref 23.59 dBm

ΔMkr1 371.0 μs

1.76 dB

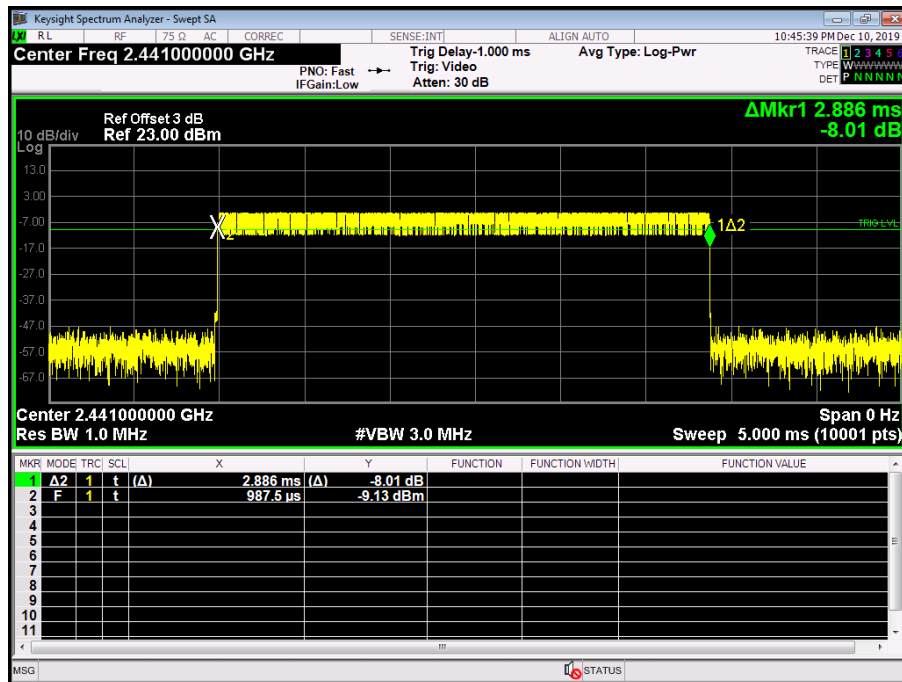
GFSK Hopping Mode 1DH3

2441 MHz

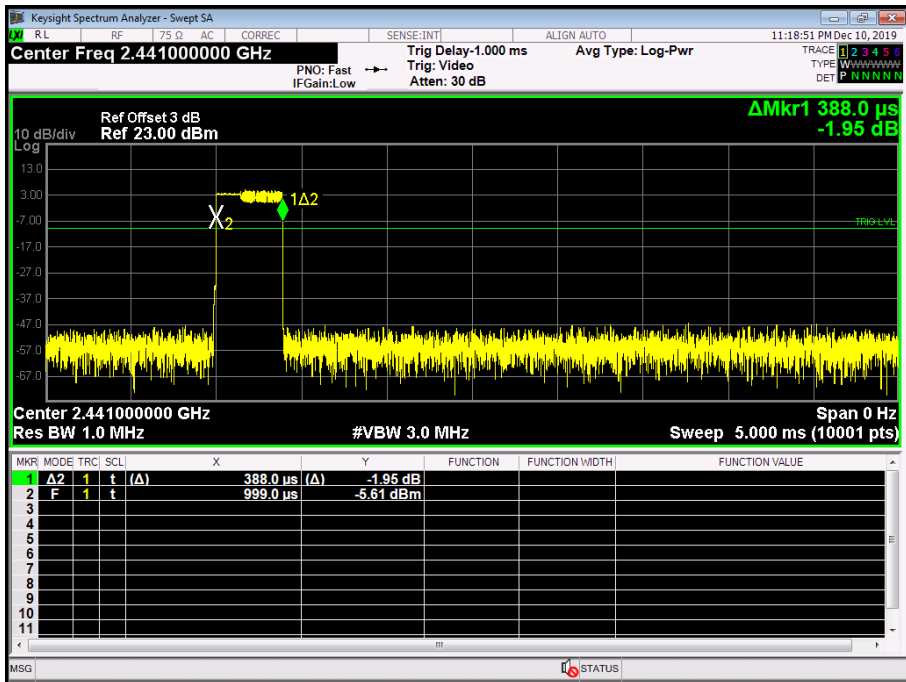


GFSK Hopping Mode 1DH5

2441 MHz

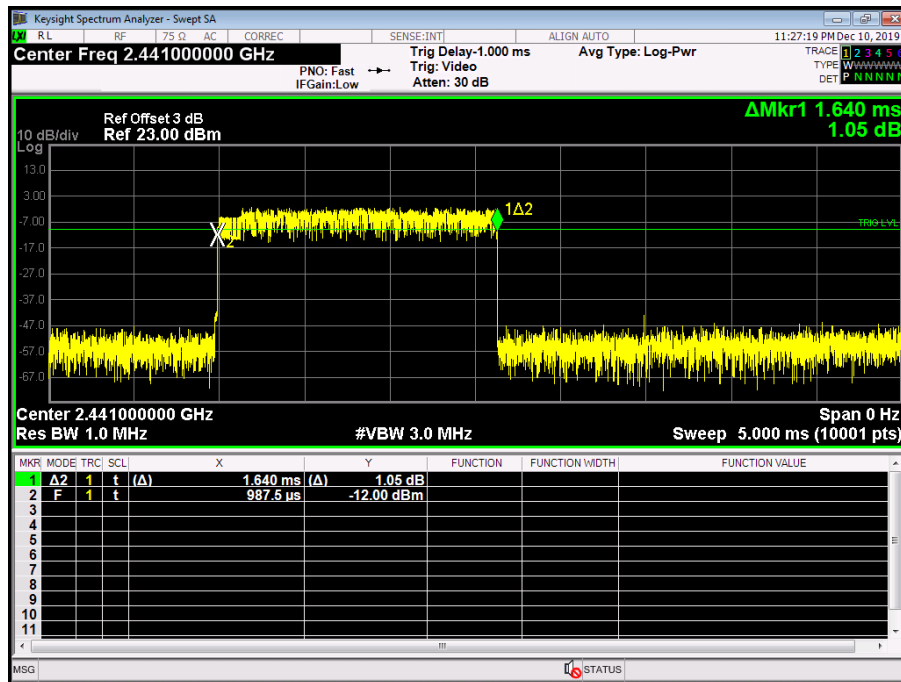


Temperature:		25°C		Relative Humidity:		55%
Test Voltage:		AC 120V/60Hz				
Test Mode:		Hopping Mode (π /4-DQPSK) (Control Screen)				
Test Mode	Channel (MHz)	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result
2DH1	2441	0.388	124.16	31.60	400	PASS
2DH3	2441	1.640	262.40	31.60	400	PASS
2DH5	2441	2.888	308.05	31.60	400	PASS
2DH1 Total of Dwell= Pulse Time*(1600/2)*31.6/79						
2DH3 Total of Dwell= Pulse Time*(1600/4)*31.6/79						
2DH5 Total of Dwell= Pulse Time*(1600/6)*31.6/79						
π /4-DQPSK Hopping Mode 2DH1						
2441 MHz						



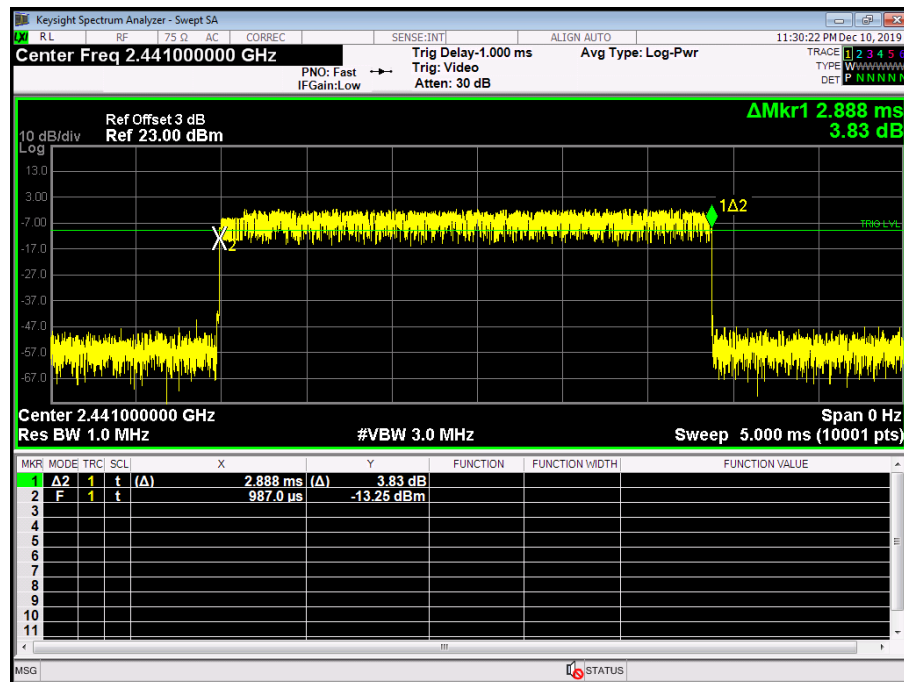
$\pi/4$ -DQPSK Hopping Mode 2DH3

2441 MHz

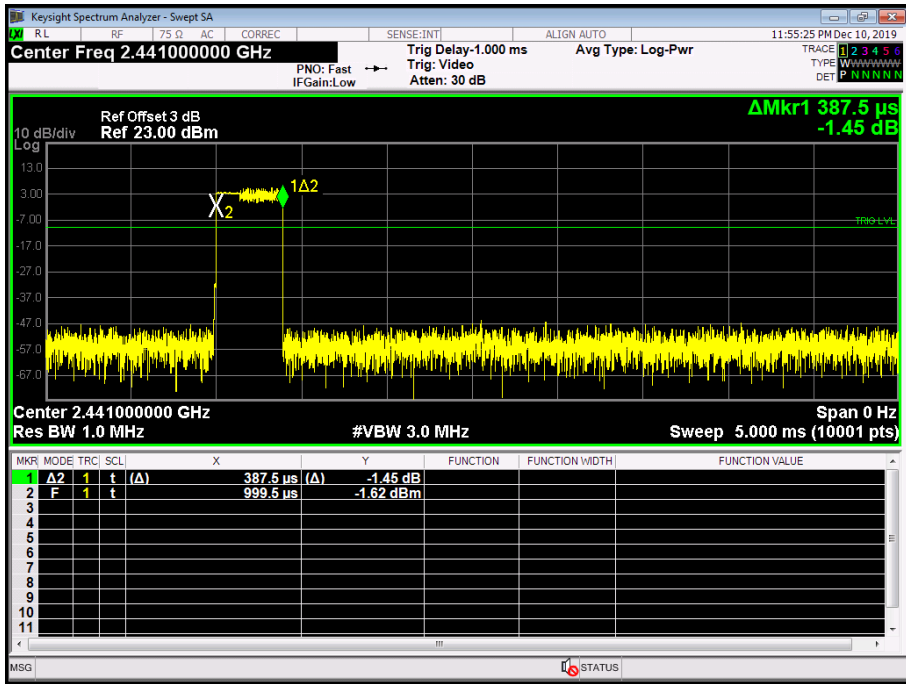


$\pi/4$ -DQPSK Hopping Mode 2DH5

2441 MHz

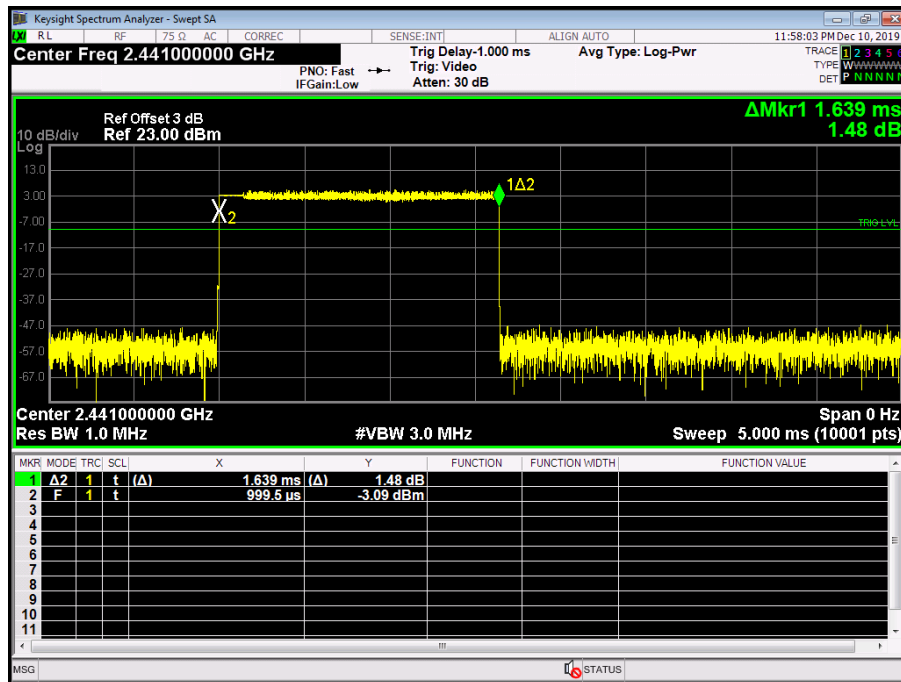


Temperature:		25°C		Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz					
Test Mode:		Hopping Mode (8-DPSK) (Control Screen)					
Test Mode	Channel (MHz)	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result	
2DH1	2441	0.3875	124.00	31.60	400	PASS	
2DH3	2441	1.639	262.24	31.60	400	PASS	
2DH5	2441	2.886	307.84	31.60	400	PASS	
2DH1 Total of Dwell= Pulse Time*(1600/2)*31.6/79							
2DH3 Total of Dwell= Pulse Time*(1600/4)*31.6/79							
2DH5 Total of Dwell= Pulse Time*(1600/6)*31.6/79							
8-DPSK Hopping Mode 2DH1							
2441 MHz							



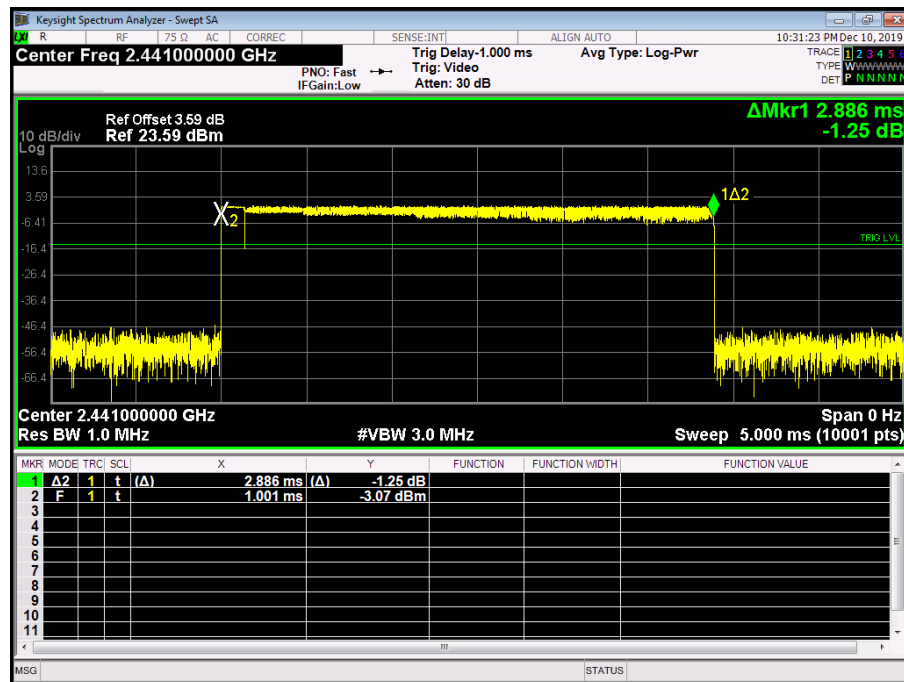
8-DPSK Hopping Mode 2DH3

2441 MHz



8-DPSK Hopping Mode 2DH5

2441 MHz



Attachment F-- Channel Separation and Bandwidth Test Data

----Bandwidth

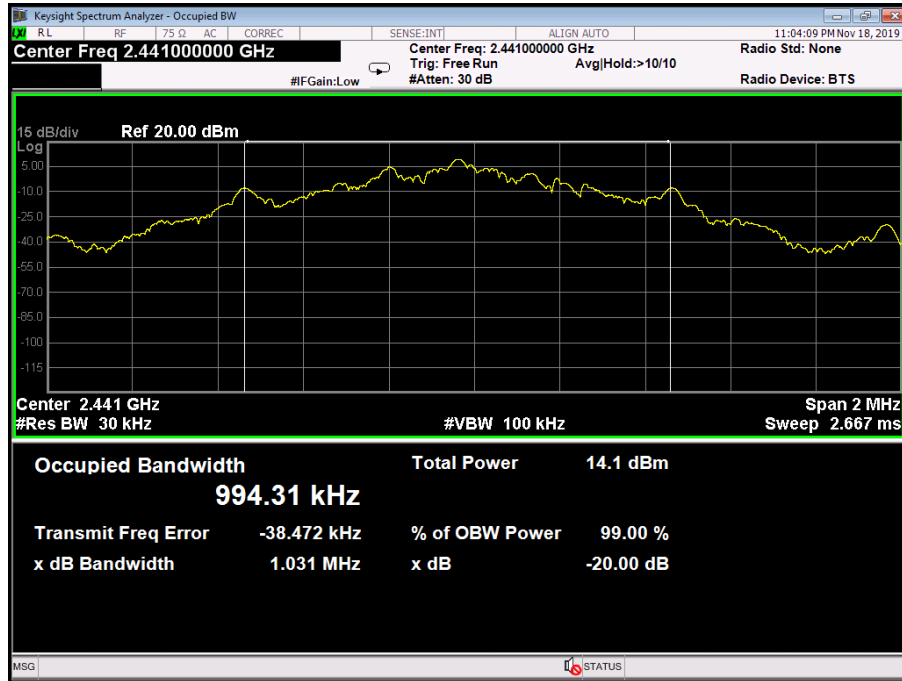
Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX Mode (GFSK) (Laser Camera)		
Channel frequency (MHz)	99% OBW (kHz)	20dB Bandwidth (kHz)	20dB Bandwidth *2/3 (kHz)
2402	992.47	1031	687.33
2441	994.31	1031	687.33
2480	992.39	1030	686.67

GFSK TX Mode			
2402 MHz			

Center Freq 2.402000000 GHz	Center Freq 2.402000000 GHz	Trig: Free Run	Avg/Hold: >10/10	Radio Std: None
#IFGain: Low		#Atten: 30 dB		Radio Device: BTS
Center 2.402 GHz	#Res BW 30 kHz	#VBW 100 kHz	Span 2 MHz	Sweep 2.667 ms
Occupied Bandwidth	Total Power	14.1 dBm		
992.47 kHz				
Transmit Freq Error	-37.558 kHz	% of OBW Power	99.00 %	
x dB Bandwidth	1.031 MHz	x dB	-20.00 dB	

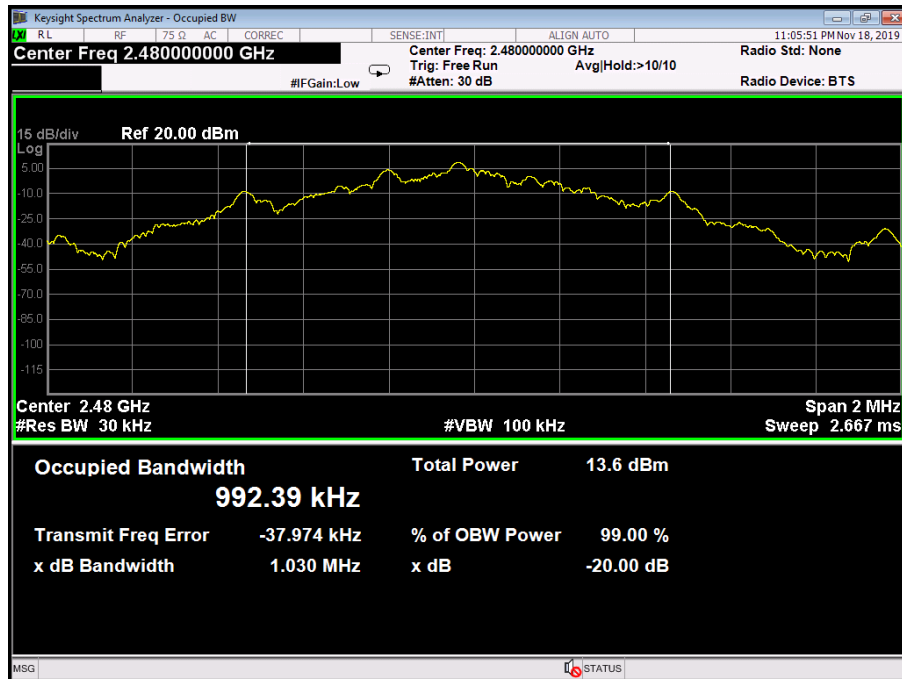
GFSK TX Mode

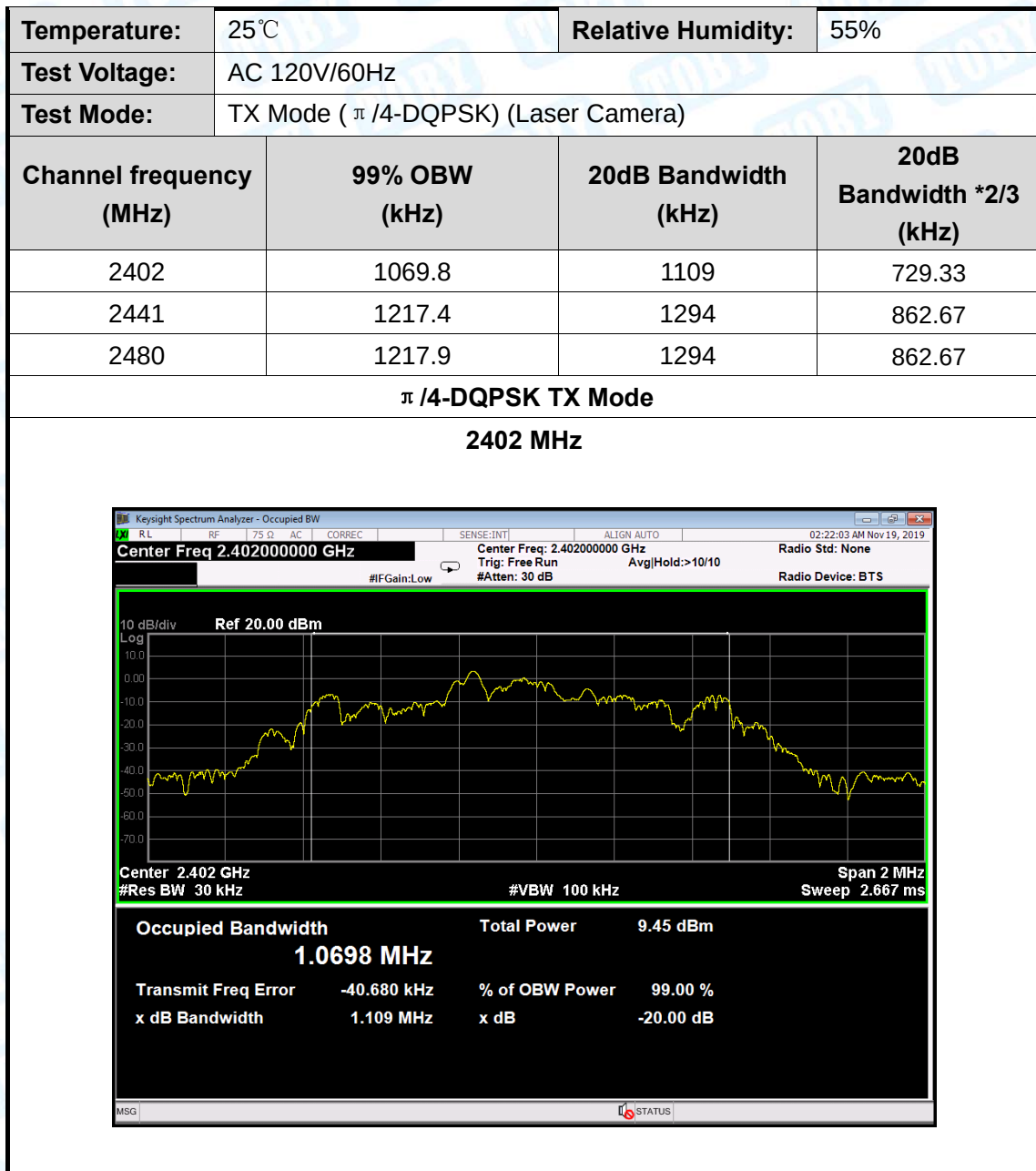
2441 MHz



GFSK TX Mode

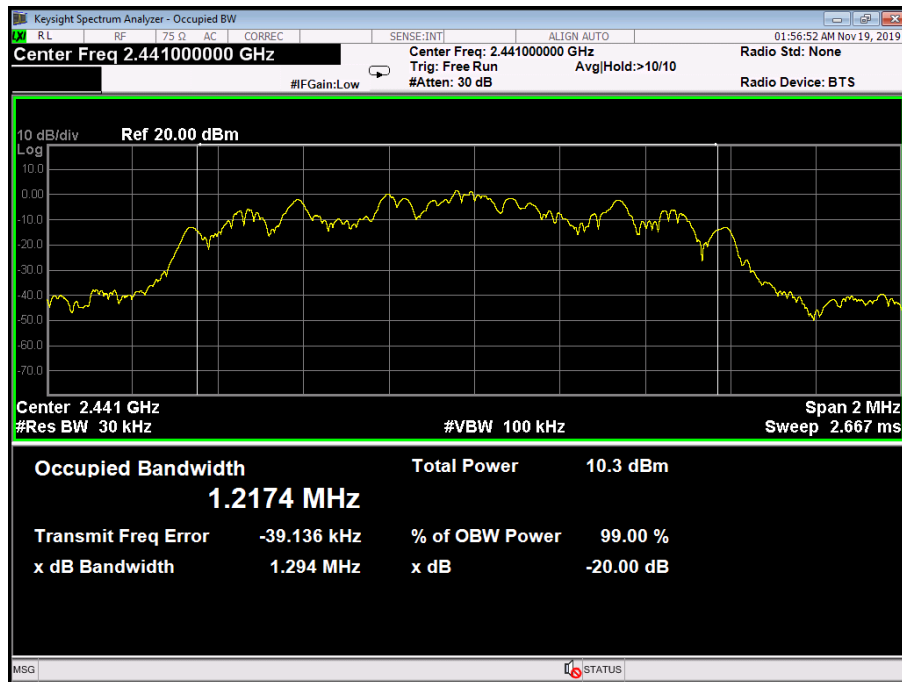
2480 MHz





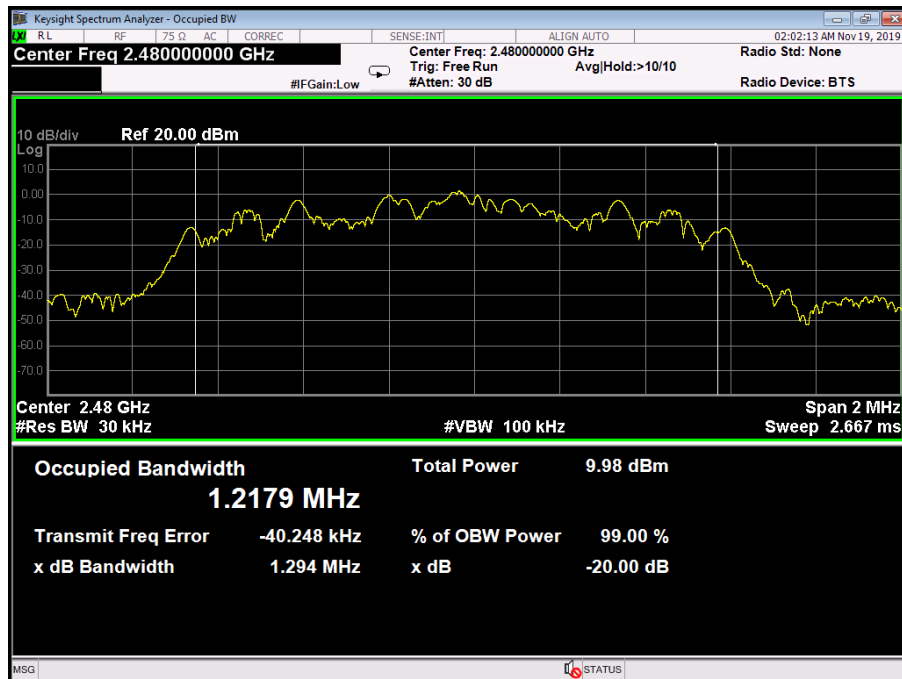
π /4-DQPSK TX Mode

2441 MHz



π /4-DQPSK TX Mode

2480 MHz



Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX Mode (8-DPSK) (Laser Camera)		
Channel frequency (MHz)	99% OBW (kHz)	20dB Bandwidth (kHz)	20dB Bandwidth *2/3 (kHz)
2402	1145.0	1233	822.00
2441	1144.5	1246	830.67
2480	1145.1	1238	825.33

8-DPSK TX Mode

2402 MHz

Keysight Spectrum Analyzer - Occupied BW

RL

RF

75 Ω

AC

CORREC

SENSE:INT

ALIGN AUTO

04:18:29 PM Nov 19, 2019

Center Freq 2.402000000 GHz

Center Freq: 2.402000000 GHz

Radio Std: None

Trig: Free Run

Avg/Hold:>10/10

Radio Device: BTS

#FGain:Low

#Atten: 30 dB

10 dB/div

Ref 20.00 dBm

Log

-40.0

-30.0

-20.0

-10.0

0.0

10.0

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

Center 2.402 GHz

#Res BW 30 kHz

#VBW 100 kHz

Span 2 MHz

Sweep 2.667 ms

Occupied Bandwidth

1.1450 MHz

Total Power

14.5 dBm

Transmit Freq Error

-27.790 kHz

% of OBW Power

99.00 %

x dB Bandwidth

1.233 MHz

x dB

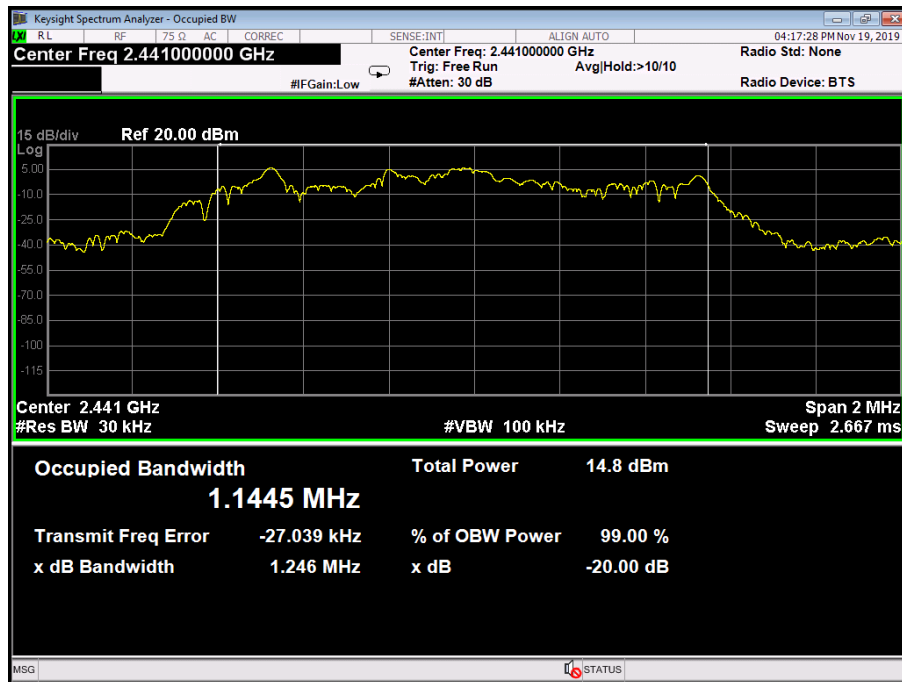
-20.00 dB

MSG

STATUS

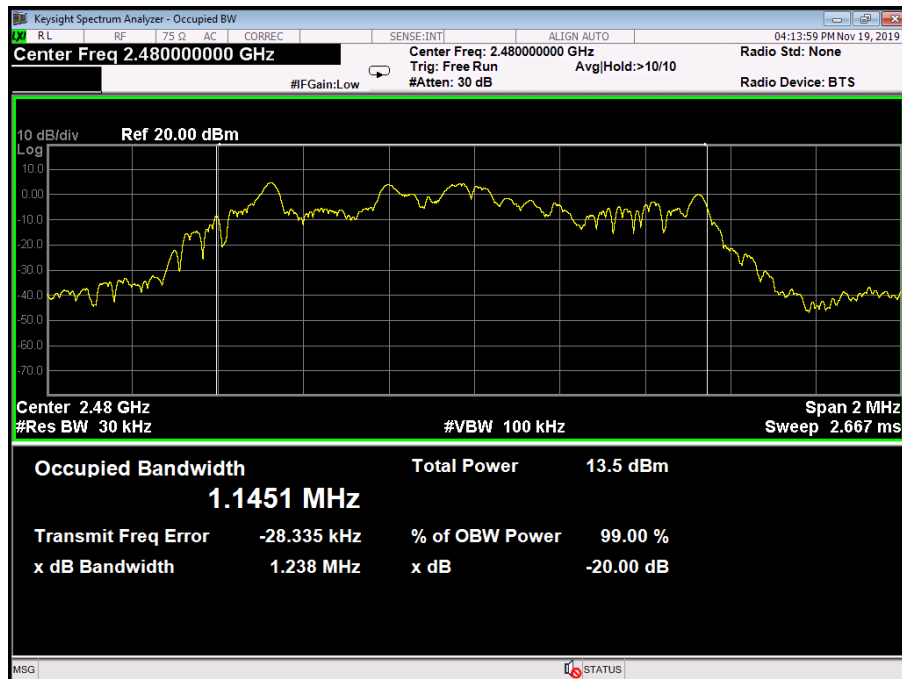
8-DPSK TX Mode

2441 MHz



8-DPSK TX Mode

2480 MHz



Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX Mode (GFSK) (Control Screen)		
Channel frequency (MHz)	99% OBW (kHz)	20dB Bandwidth (kHz)	20dB Bandwidth *2/3 (kHz)
2402	860.37	909.4	616.27
2441	867.92	898.3	598.87
2480	865.92	950.4	633.60

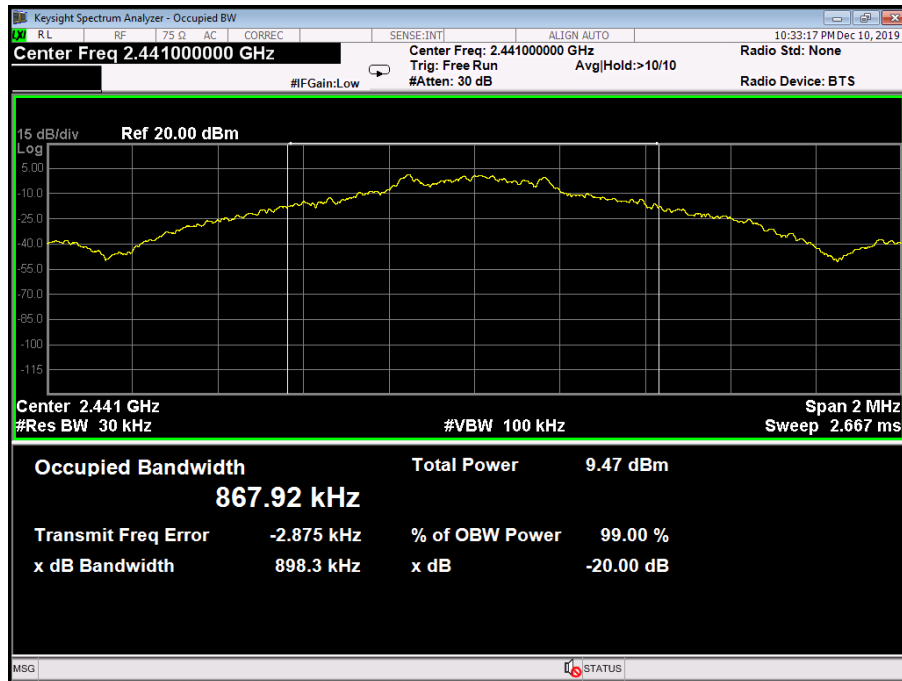
GFSK TX Mode			
2402 MHz			

The screenshot displays the Keysight Spectrum Analyzer interface for GFSK TX Mode at 2402 MHz. The main plot shows a spectrum with a peak at 2402 MHz. The occupied bandwidth is 860.37 kHz, and the total power is 9.32 dBm. The transmit frequency error is -5.839 kHz, and the x dB bandwidth is 909.4 kHz. The interface also shows various settings like Center Freq, Span, Res BW, and VBW.

Parameter	Value
Center Freq	2.402000000 GHz
Span	2 MHz
Res BW	30 kHz
VBW	100 kHz
Occupied Bandwidth	860.37 kHz
Total Power	9.32 dBm
Transmit Freq Error	-5.839 kHz
x dB Bandwidth	909.4 kHz

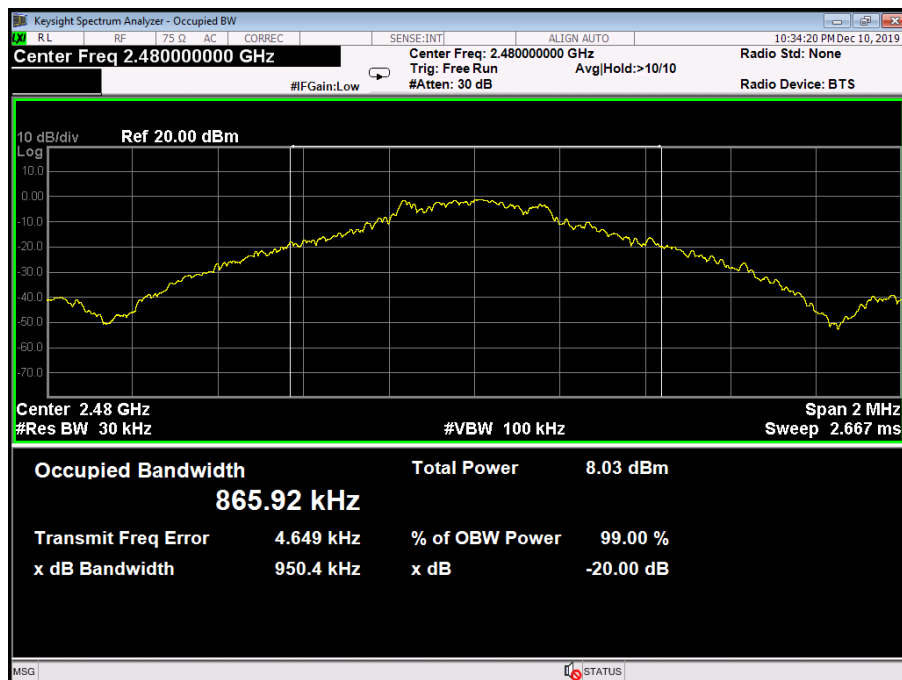
GFSK TX Mode

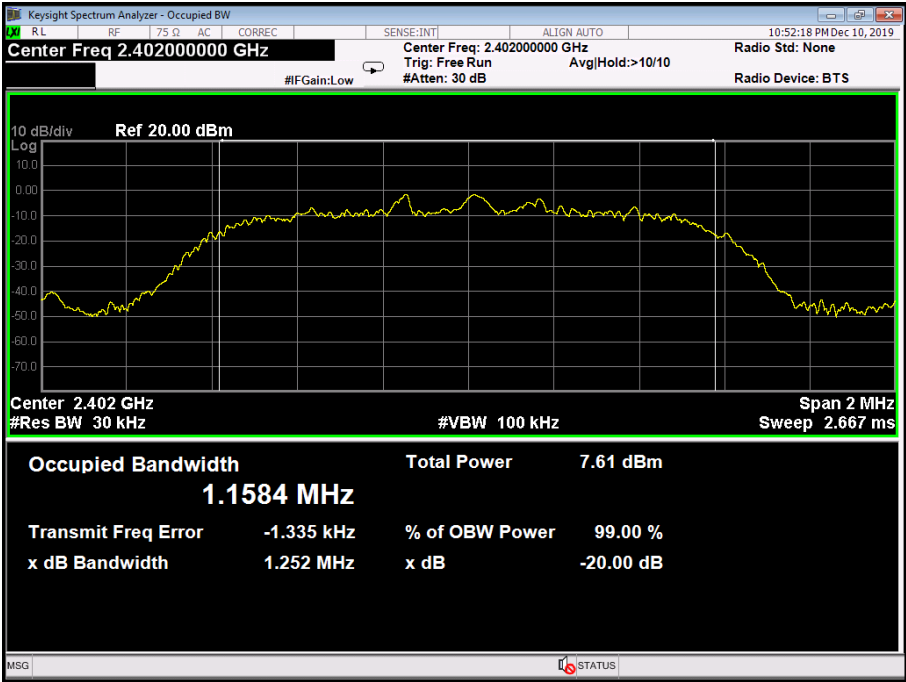
2441 MHz



GFSK TX Mode

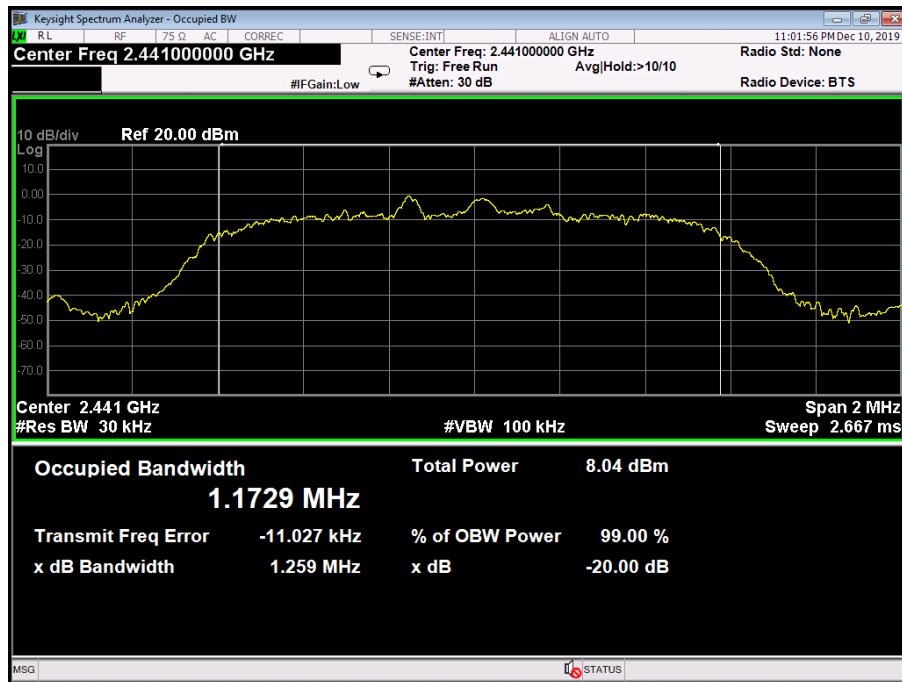
2480 MHz



Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX Mode (π /4-DQPSK) (Control Screen)		
Channel frequency (MHz)	99% OBW (kHz)	20dB Bandwidth (kHz)	20dB Bandwidth *2/3 (kHz)
2402	1158.4	1252	834.67
2441	1172.9	1259	839.33
2480	1166.1	1269	846.00
π /4-DQPSK TX Mode			
2402 MHz			
 The screenshot displays a Keysight Spectrum Analyzer interface. The main plot shows a signal spectrum with a peak around -10 dBm. The 'Occupied Bandwidth' is measured as 1.1584 MHz. The 'Total Power' is 7.61 dBm. The 'Transmit Freq Error' is -1.335 kHz, and the '% of OBW Power' is 99.00%. The 'x dB Bandwidth' is 1.252 MHz, and the 'x dB' value is -20.00 dB. The center frequency is 2.402 GHz, and the resolution bandwidth (Res BW) is 30 kHz. The span is 2 MHz, and the sweep time is 2.667 ms.			

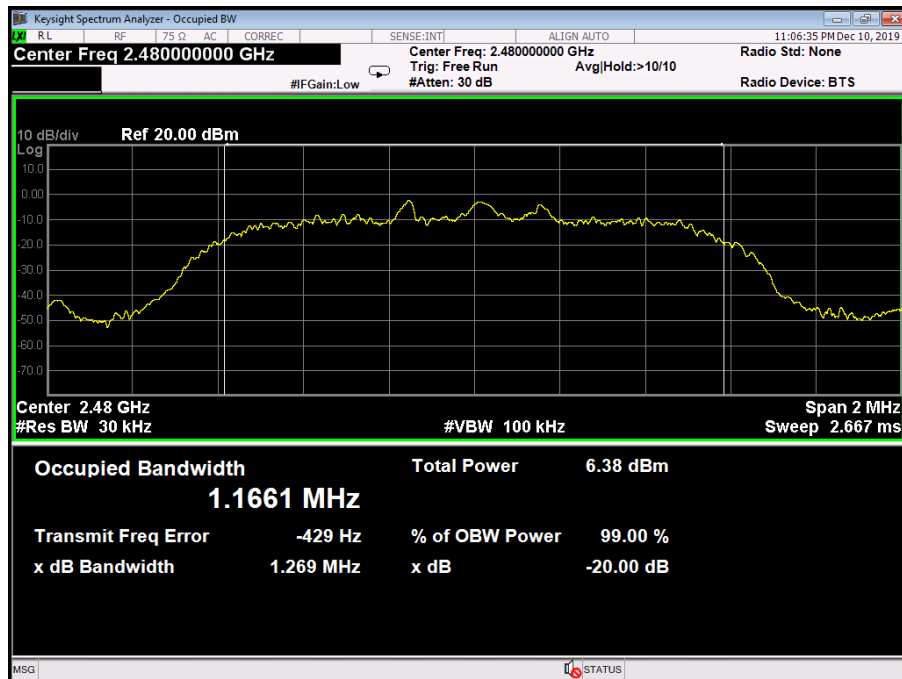
π /4-DQPSK TX Mode

2441 MHz



π /4-DQPSK TX Mode

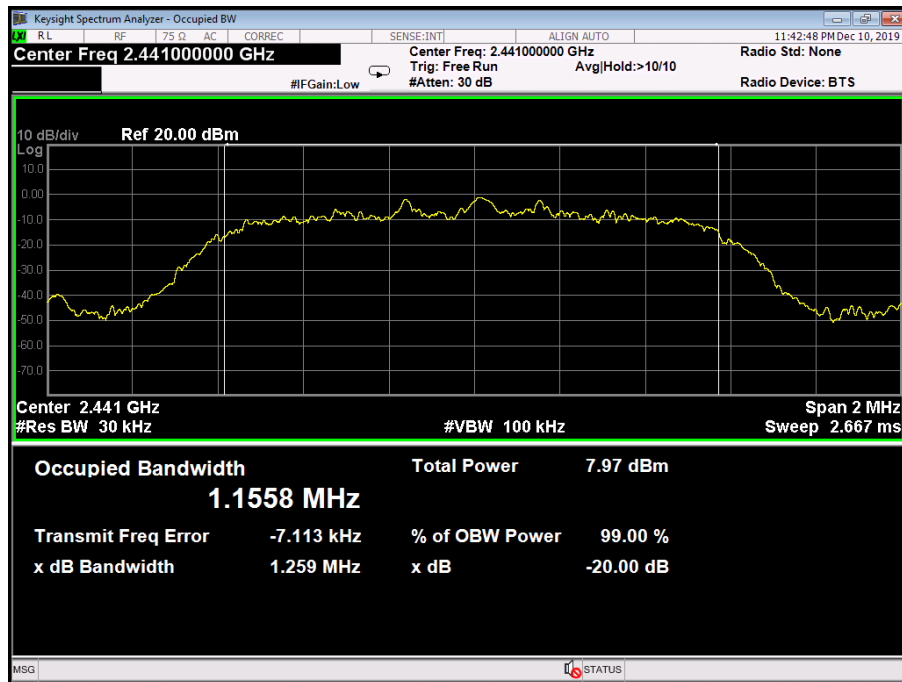
2480 MHz



Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX Mode (8-DPSK) (Control Screen)		
Channel frequency (MHz)	99% OBW (kHz)	20dB Bandwidth (kHz)	20dB Bandwidth *2/3 (kHz)
2402	1177.3	1273	848.67
2441	1155.8	1259	839.33
2480	1158.7	1276	850.67
8-DPSK TX Mode			
2402 MHz			
Keysight Spectrum Analyzer - Occupied BW Center Freq 2.402000000 GHz Center Freq: 2.402000000 GHz Trig: Free Run #Atten: 30 dB 11:39:11 PM Dec 10, 2019 Radio Std: None Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 2.402 GHz #Res BW 30 kHz #VBW 100 kHz Span 2 MHz Sweep 2.667 ms Occupied Bandwidth 1.1773 MHz Total Power 7.42 dBm Transmit Freq Error 500 Hz % of OBW Power 99.00 % x dB Bandwidth 1.273 MHz x dB -20.00 dB			

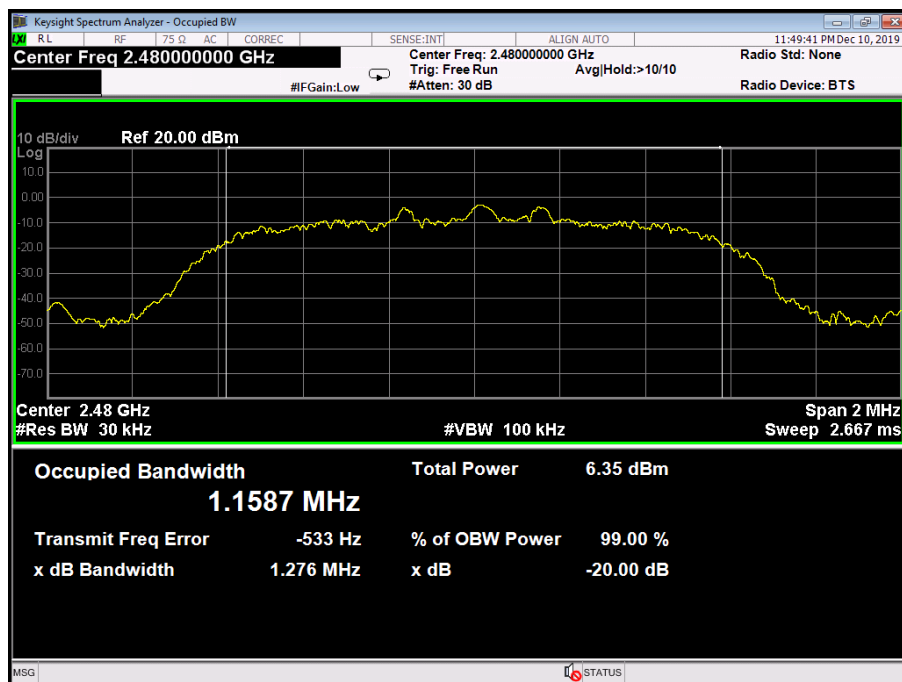
8-DPSK TX Mode

2441 MHz



8-DPSK TX Mode

2480 MHz



---- Channel Separation

Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	Hopping Mode (GFSK) (Laser Camera)		
Channel frequency (MHz)	Separation Read Value (kHz)	Separation Limit (kHz)	
2402	1010	687.33	
2441	990	687.33	
2480	980	686.67	
GFSK Hopping Mode			
2402 MHz			

Keysight Spectrum Analyzer - Swept SA

GFSK Hopping Mode

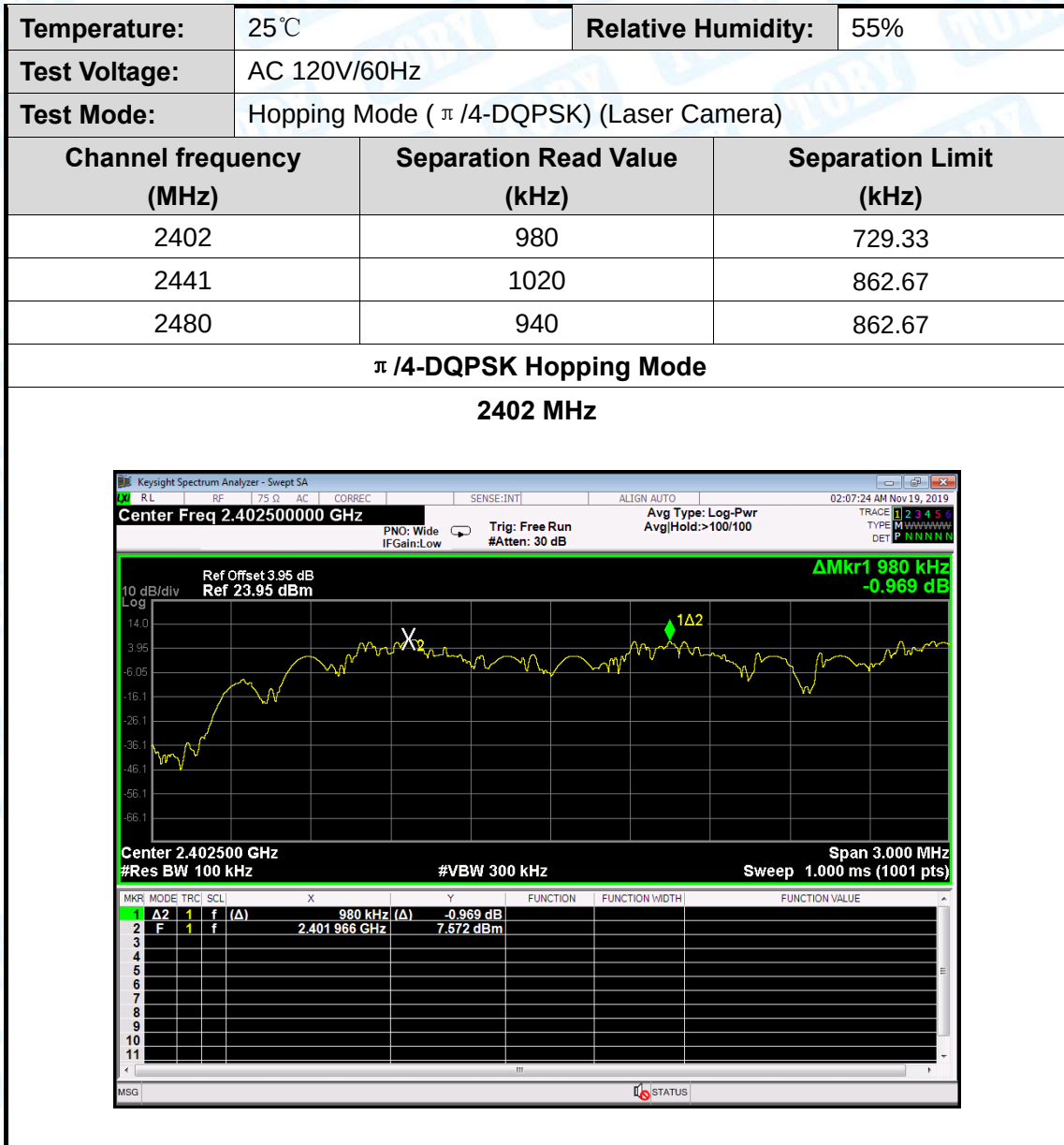
2441 MHz



GFSK Hopping Mode

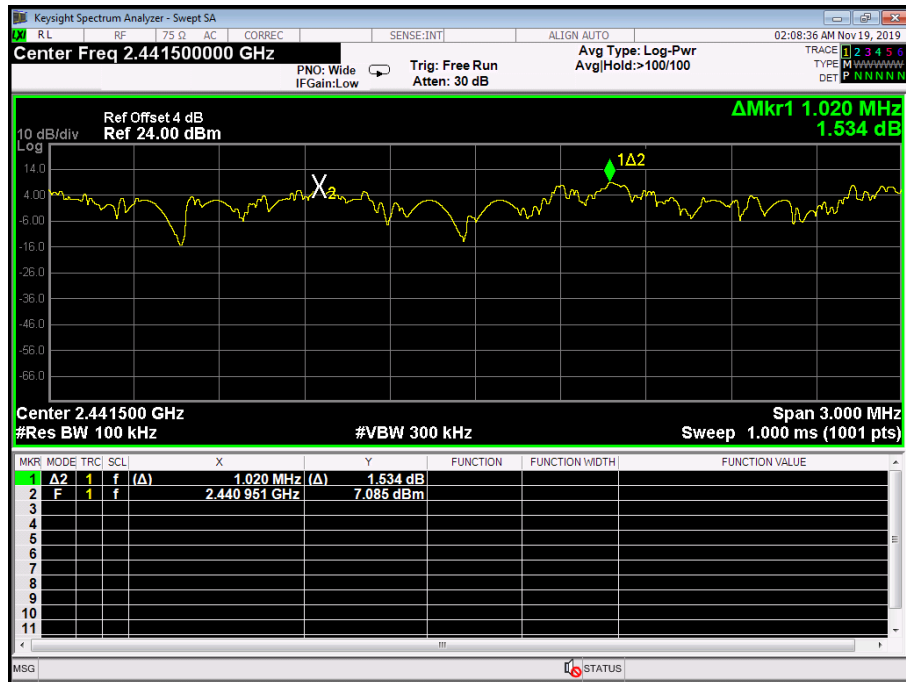
2480 MHz



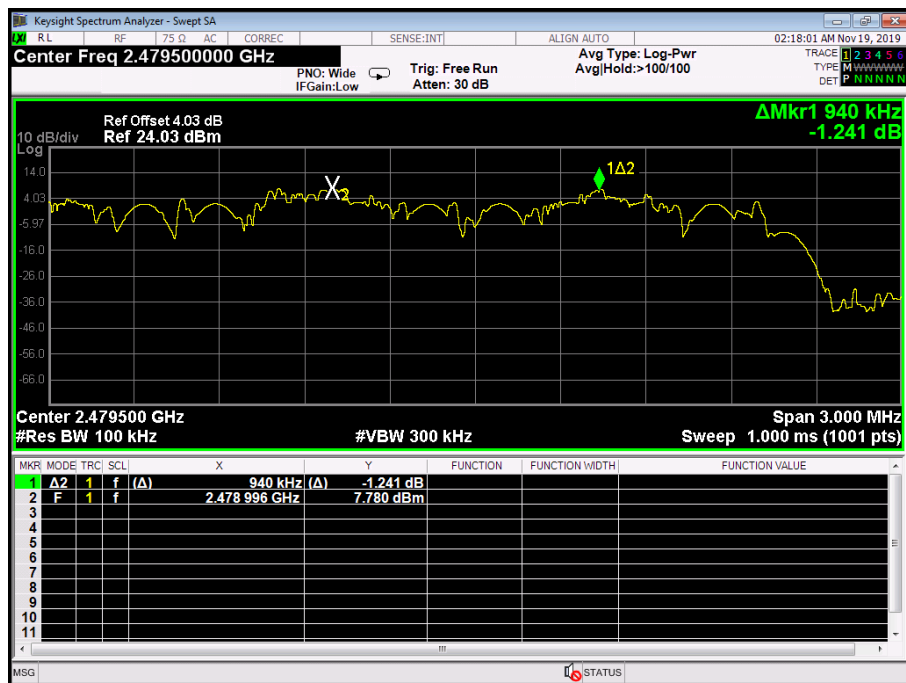


π /4-DQPSK Hopping Mode

2441 MHz

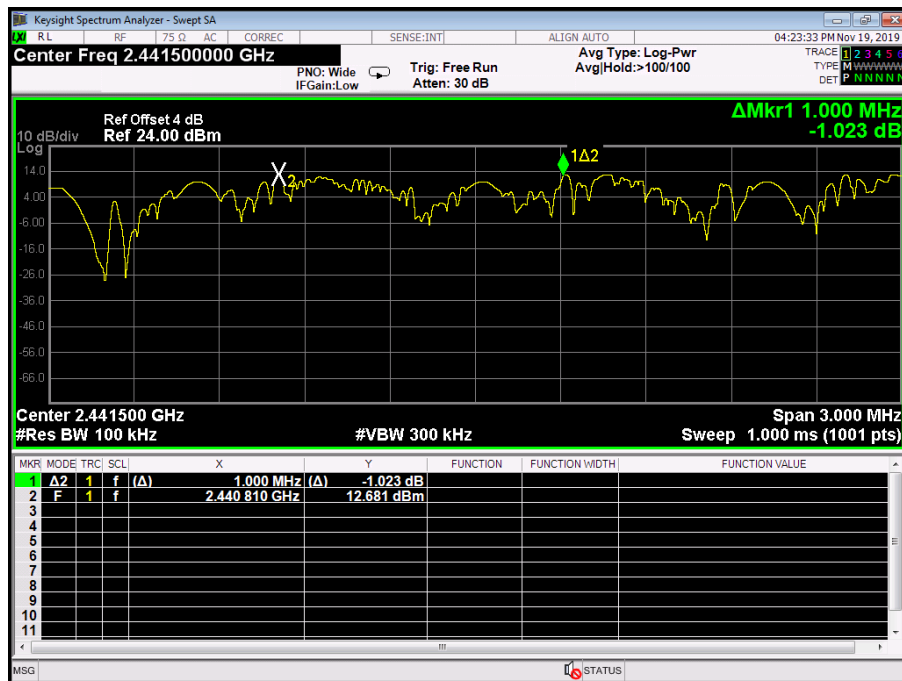
 π /4-DQPSK Hopping Mode

2480 MHz



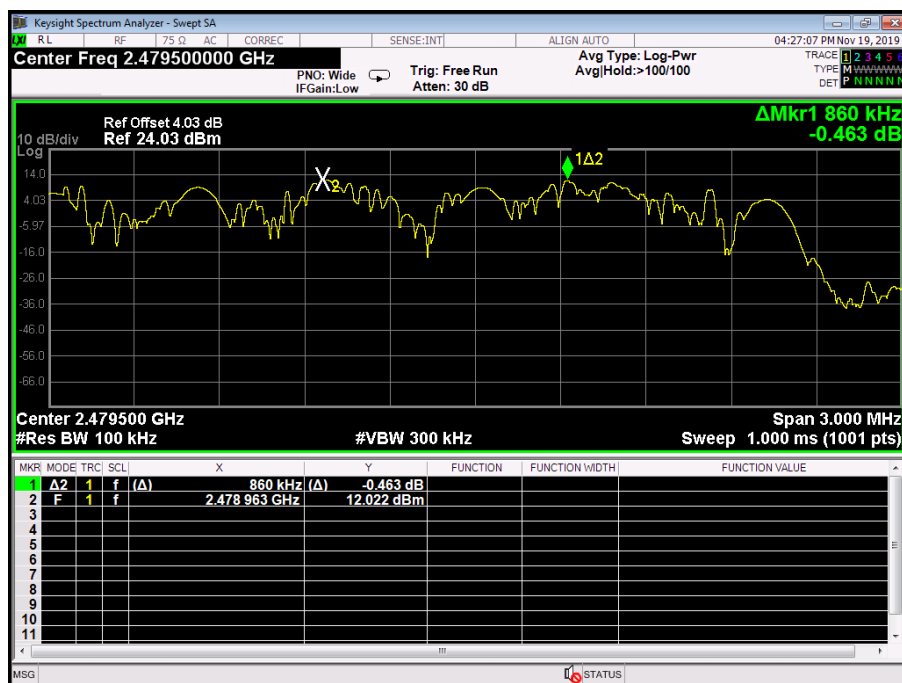
8-DPSK Hopping Mode

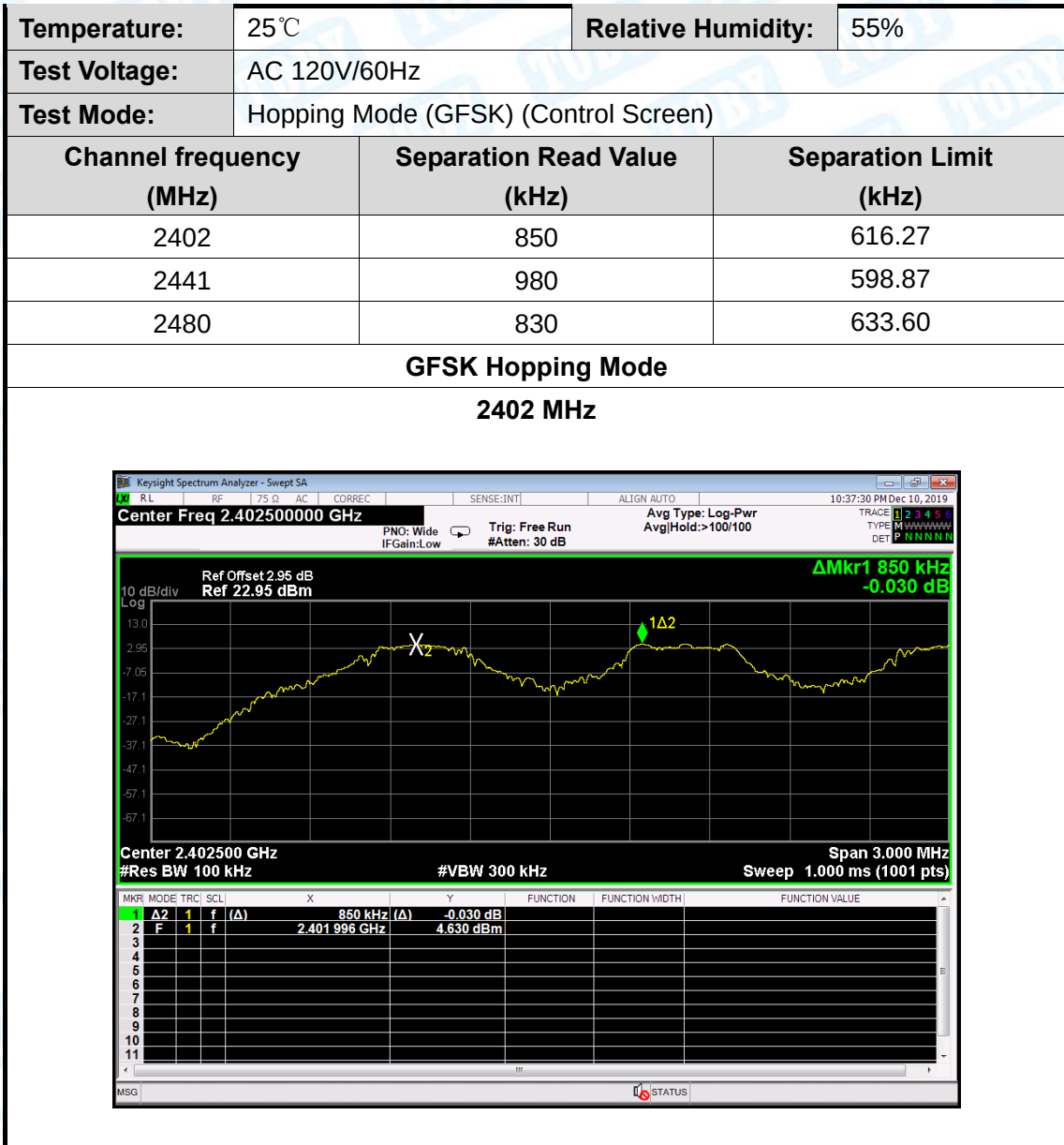
2441 MHz



8-DPSK Hopping Mode

2480 MHz





GFSK Hopping Mode

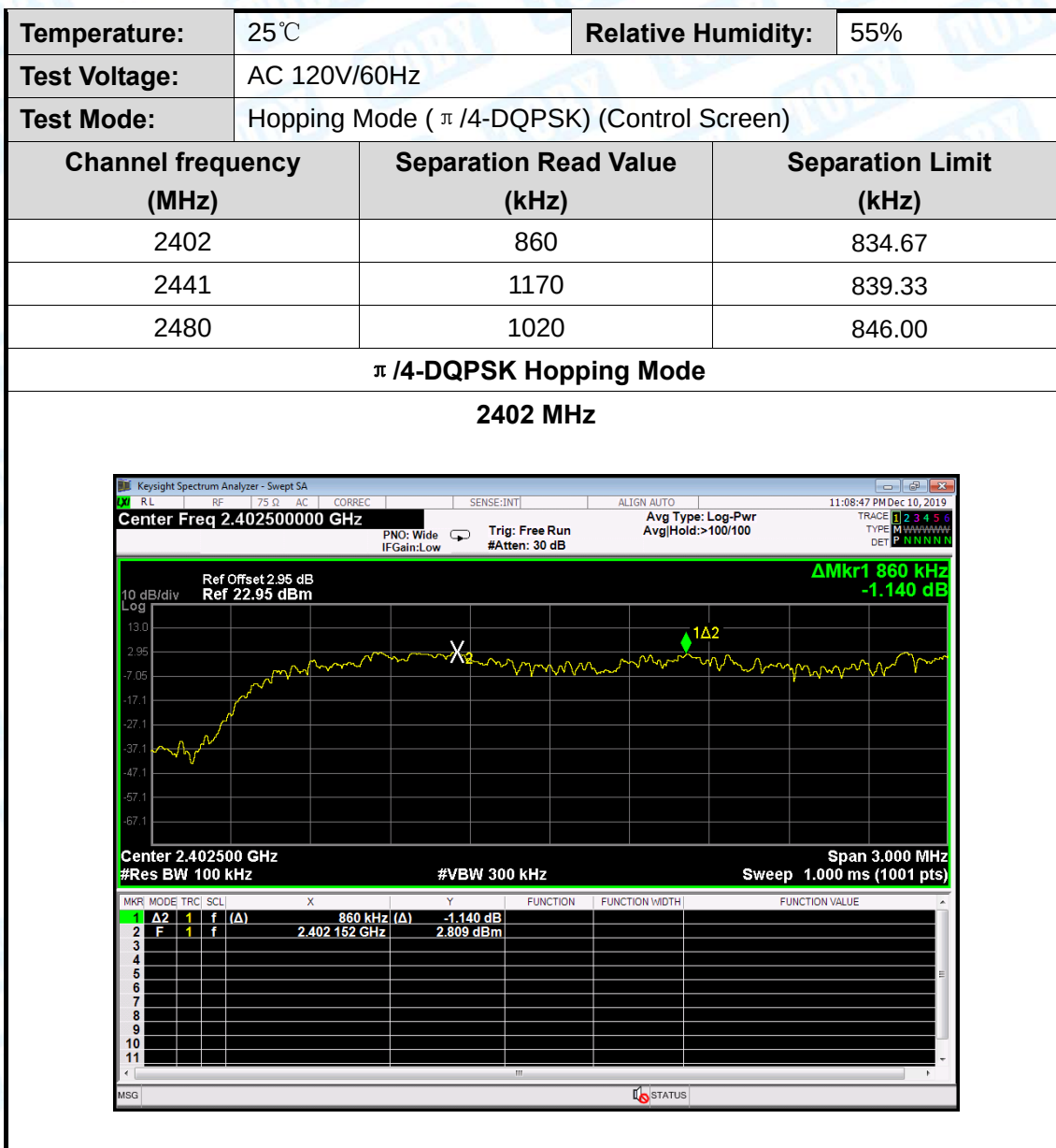
2441 MHz



GFSK Hopping Mode

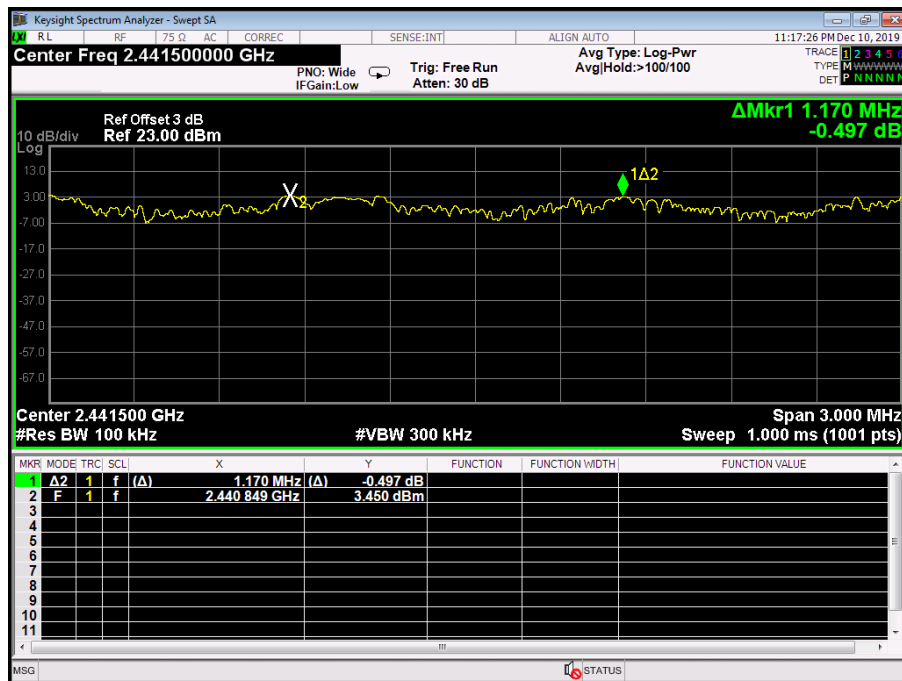
2480 MHz





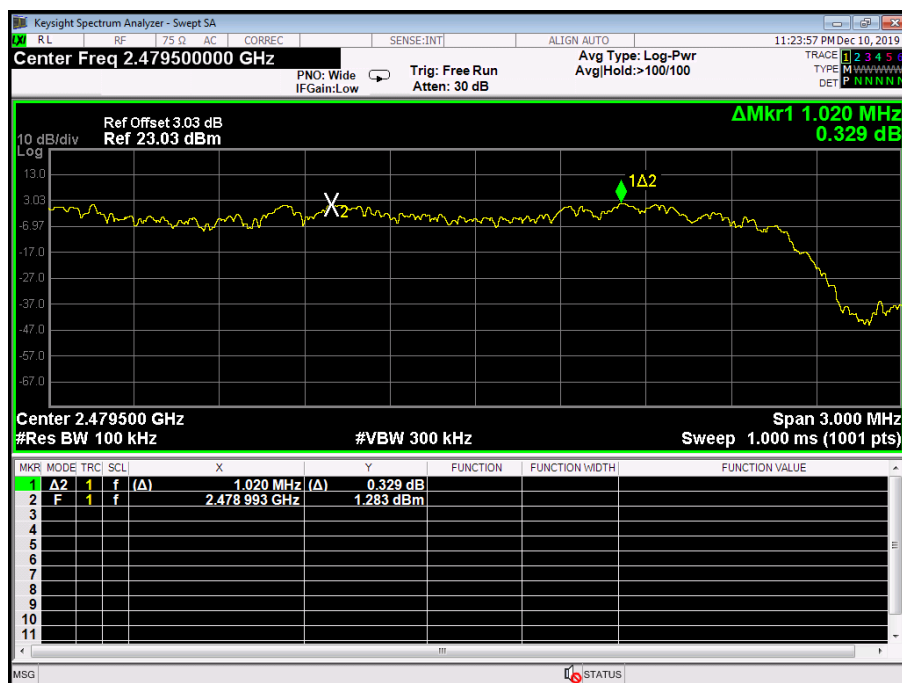
π /4-DQPSK Hopping Mode

2441 MHz



π /4-DQPSK Hopping Mode

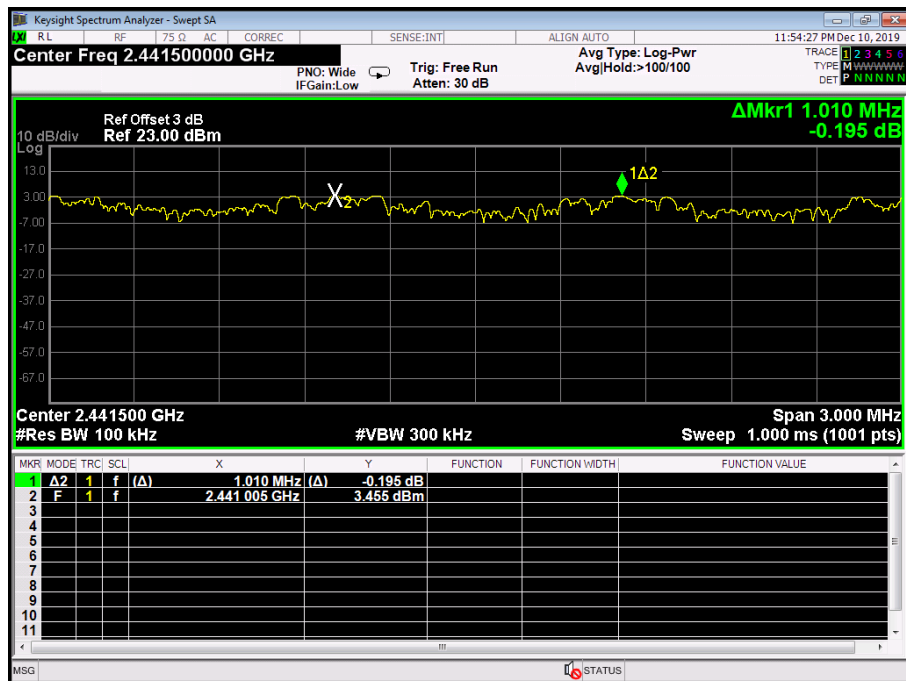
2480 MHz



TB-RF-074-1.0

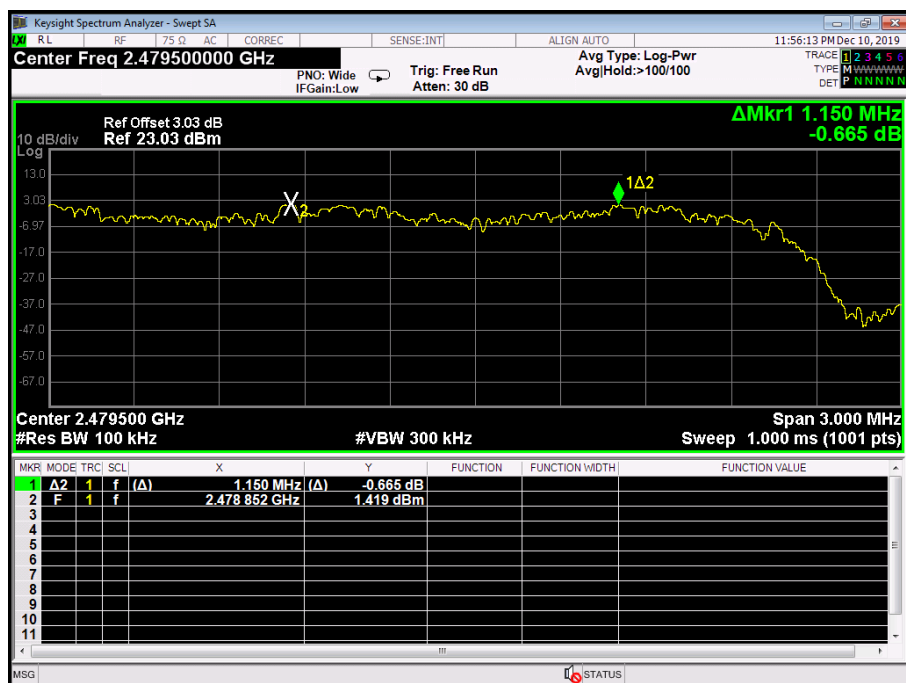
8-DPSK Hopping Mode

2441 MHz



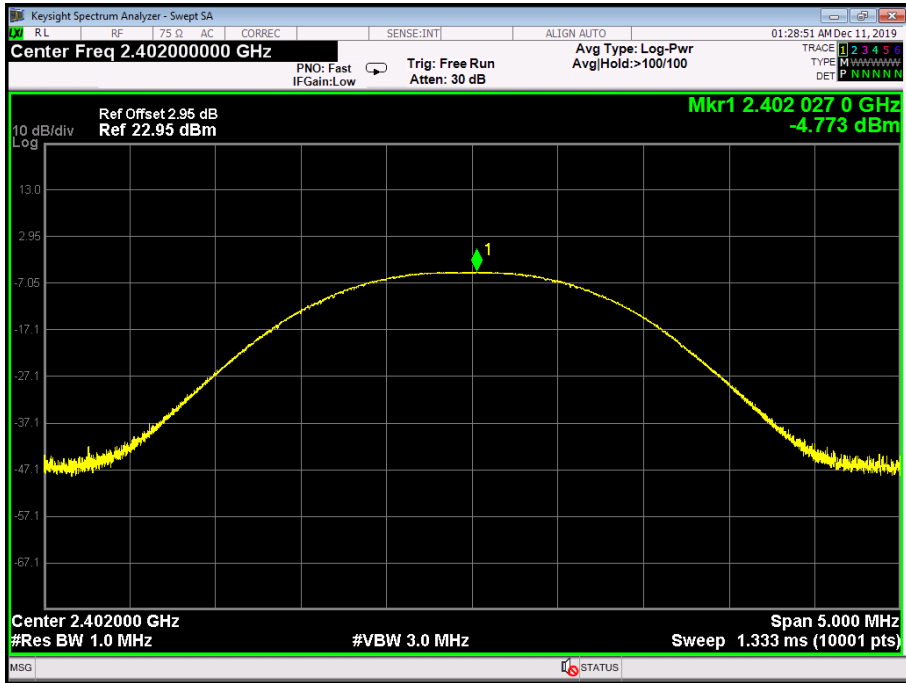
8-DPSK Hopping Mode

2480 MHz



Attachment G-- Peak Output Power Test Data

Temperature:	25°C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX Mode (GFSK) (Laser Camera)		
Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)	
2402	-4.773	30	
2441	-3.413		
2480	-2.963		
GFSK TX Mode			
2402 MHz			



Keysight Spectrum Analyzer - Swept SA

R/L RF 75 Ω AC CORREC SENSE:INT ALIGN AUTO 01:28:51 AM Dec 11, 2019

Center Freq 2.402000000 GHz PNO: Fast IF Gain: Low Trig: Free Run Atten: 30 dB Avg Type: Log-Pwr Avg/Hold: >100/100

TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET P N N N N N N

Ref Offset 2.95 dB Ref 22.95 dBm

Mkr1 2.402 027 0 GHz -4.773 dBm

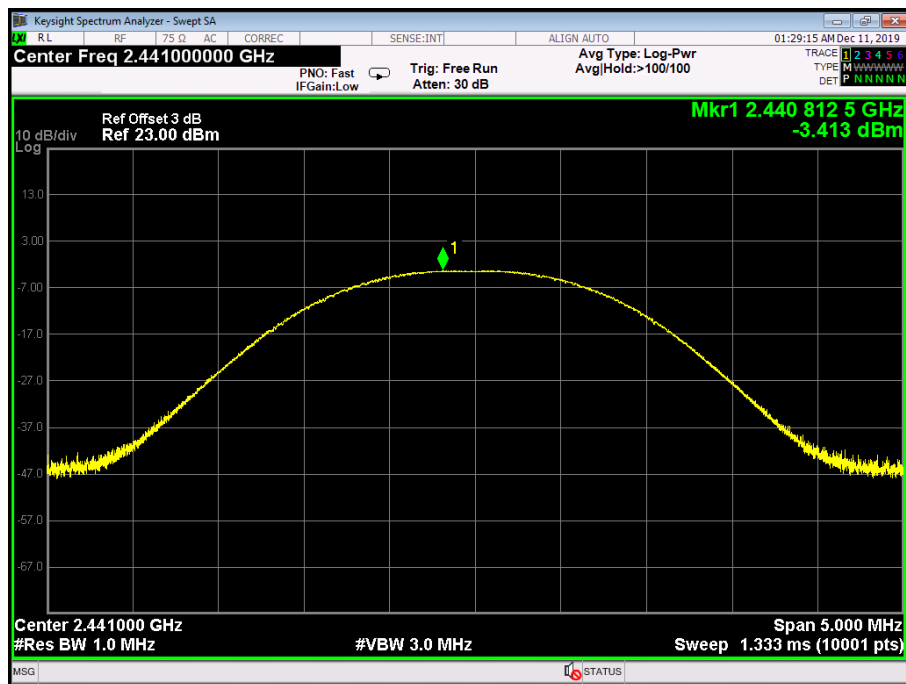
10 dB/div Log

Center 2.402000 GHz Span 5.000 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.333 ms (10001 pts)

MSG STATUS

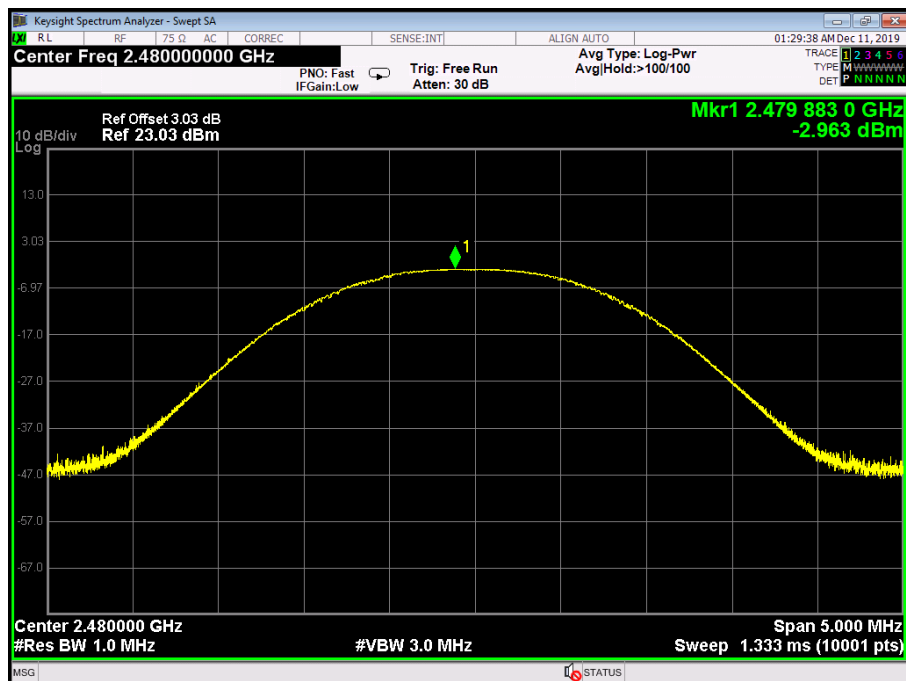
GFSK TX Mode

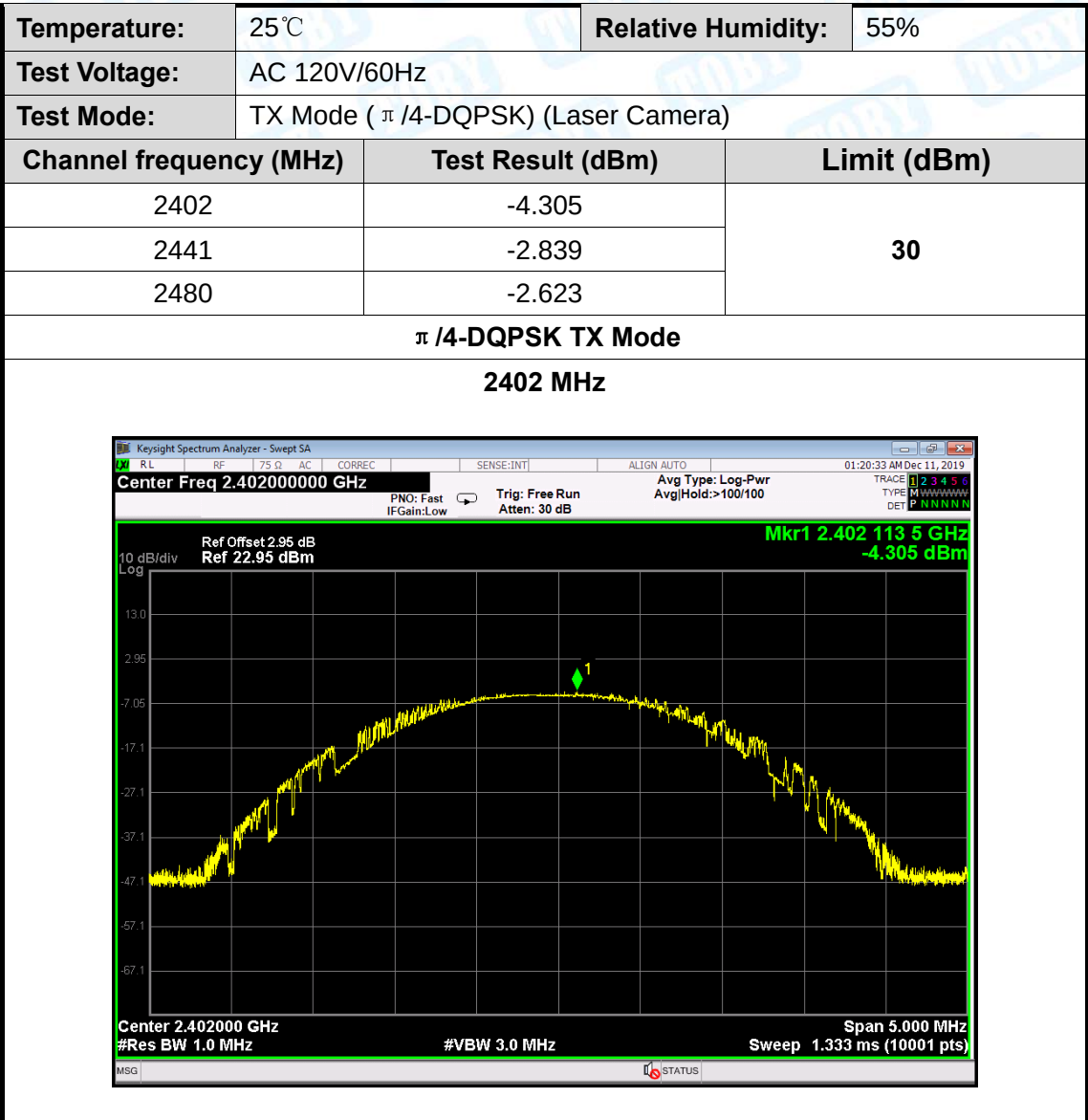
2441 MHz



GFSK TX Mode

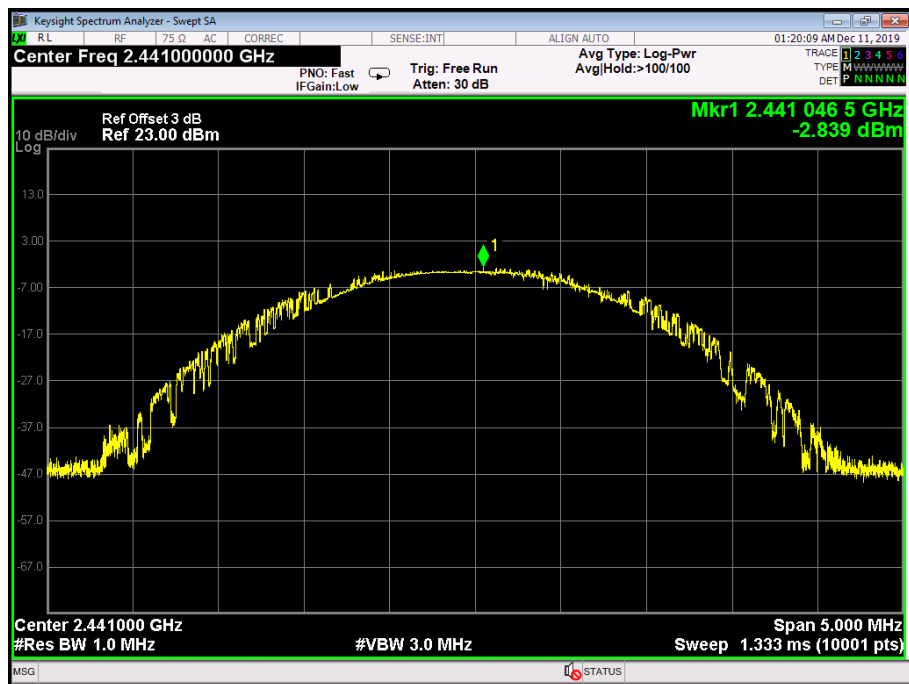
2480 MHz



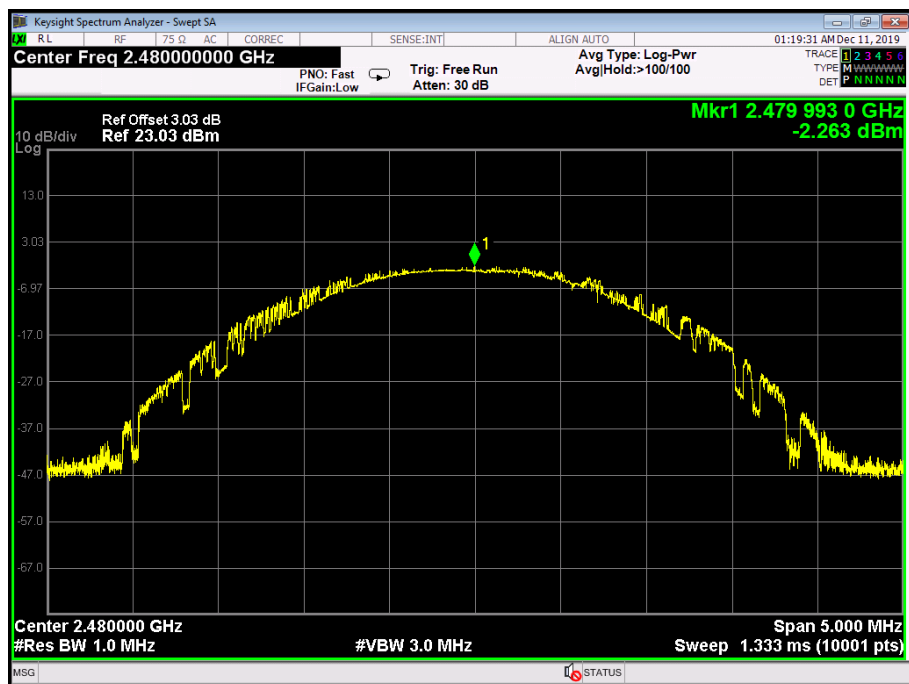


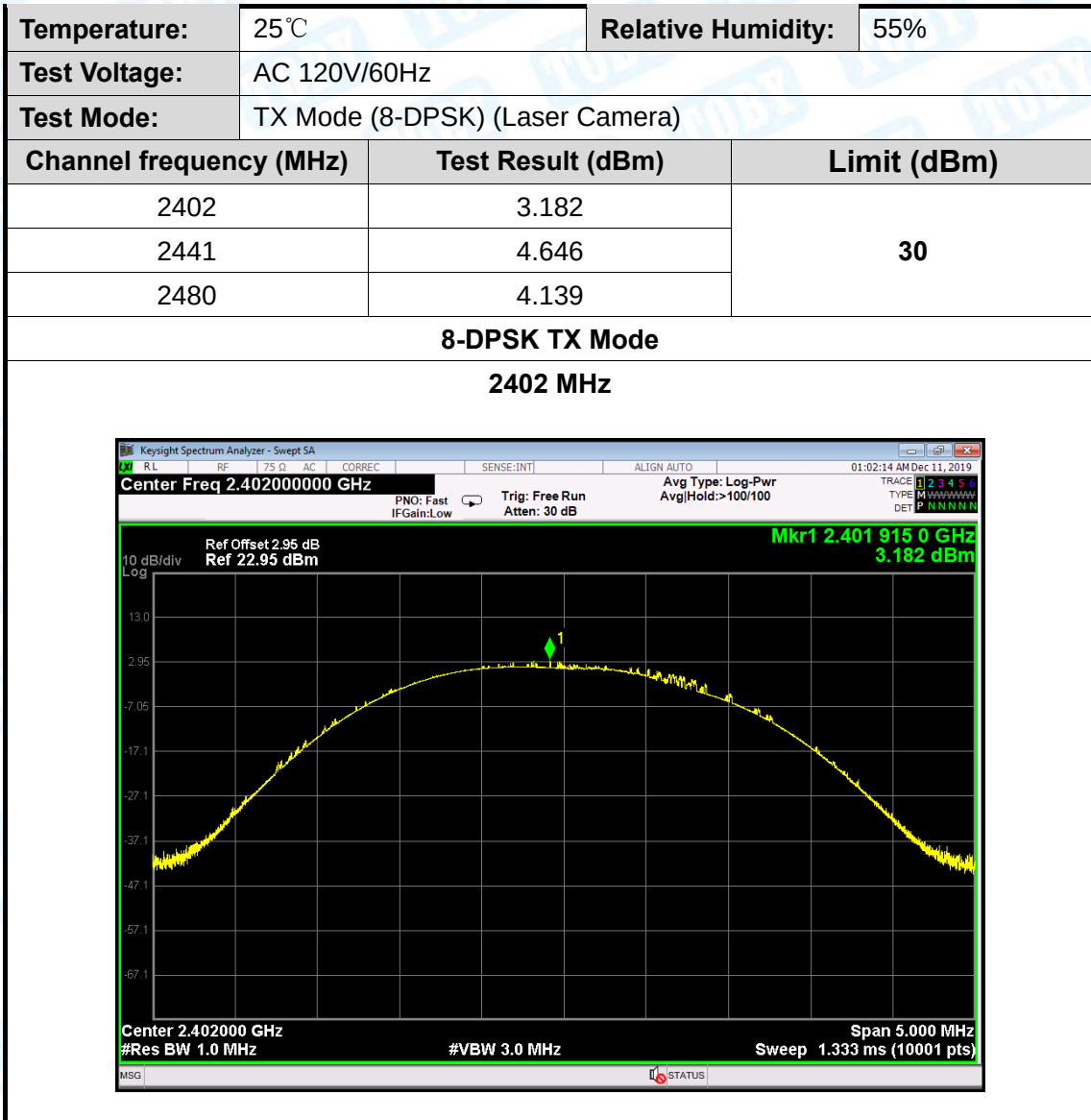
$\pi/4$ -DQPSK TX Mode

2441 MHz

 $\pi/4$ -DQPSK TX Mode

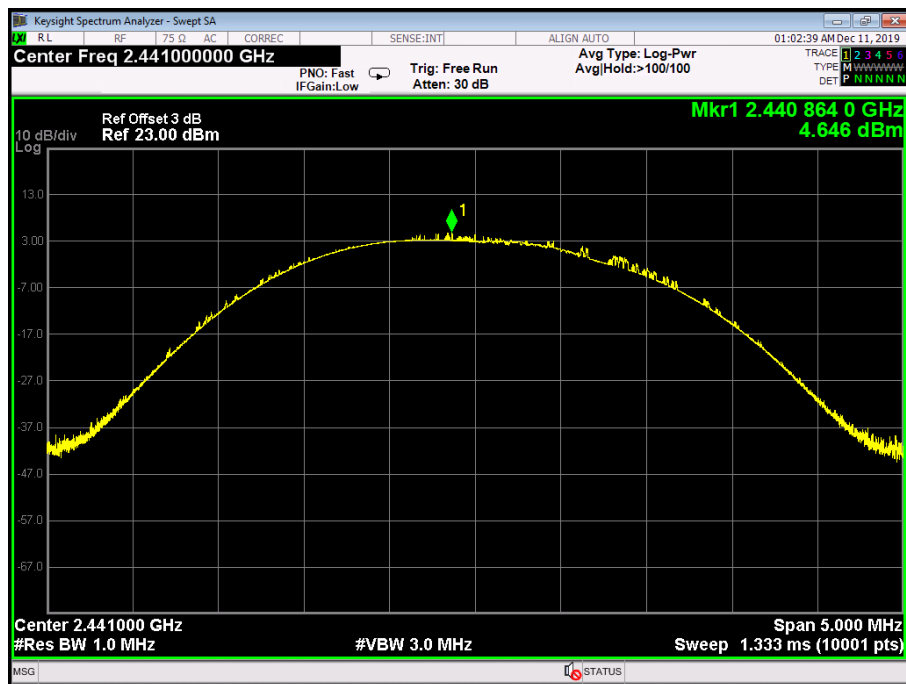
2480 MHz





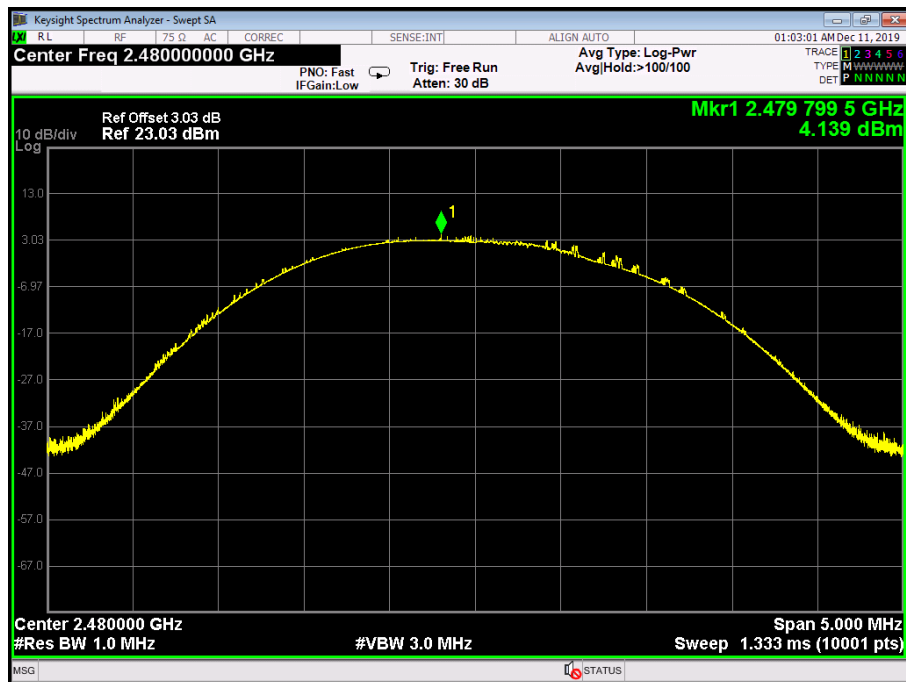
8-DPSK TX Mode

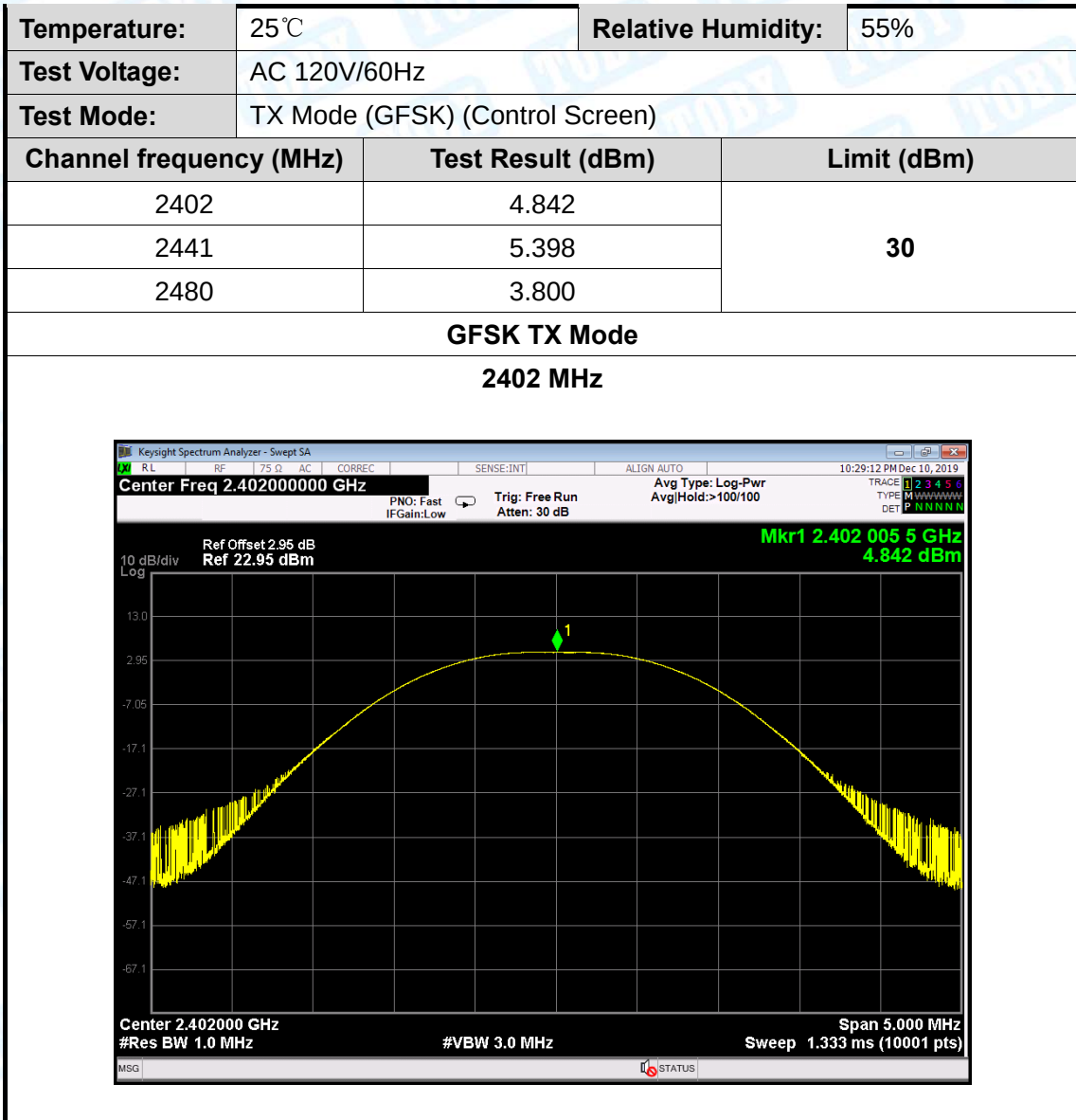
2441 MHz



8-DPSK TX Mode

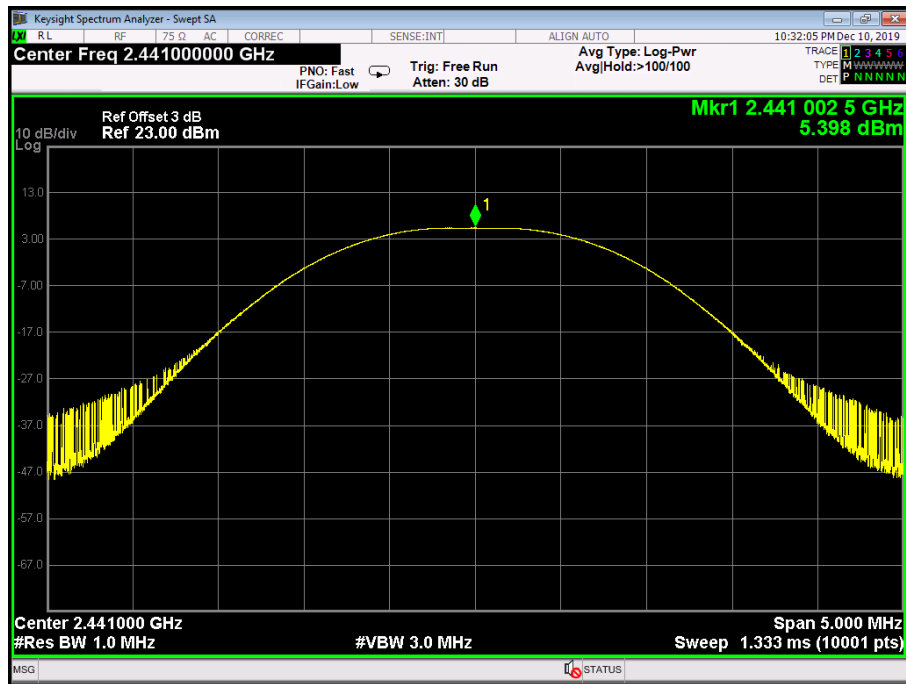
2480 MHz





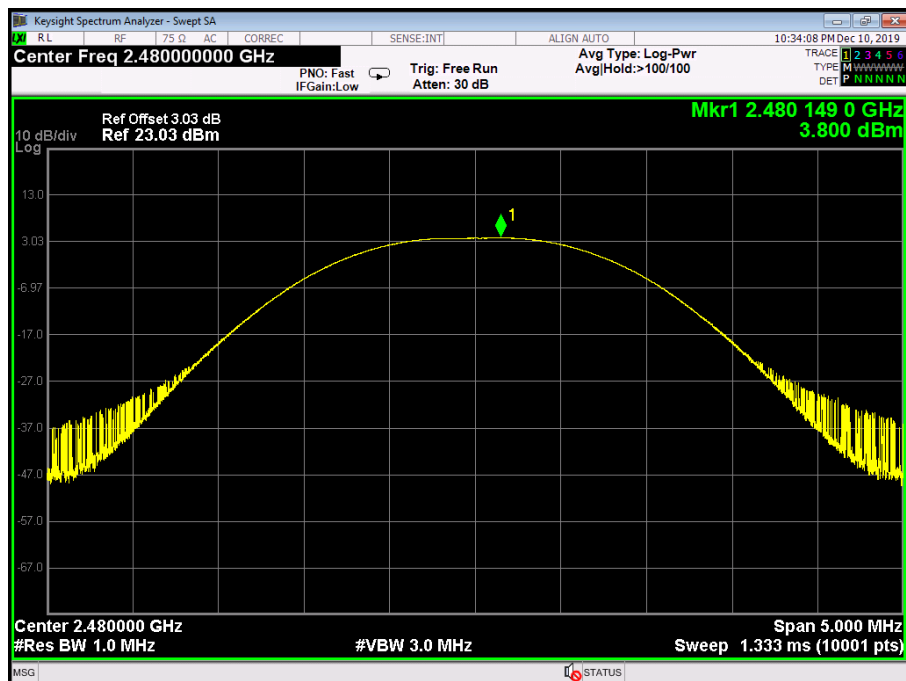
GFSK TX Mode

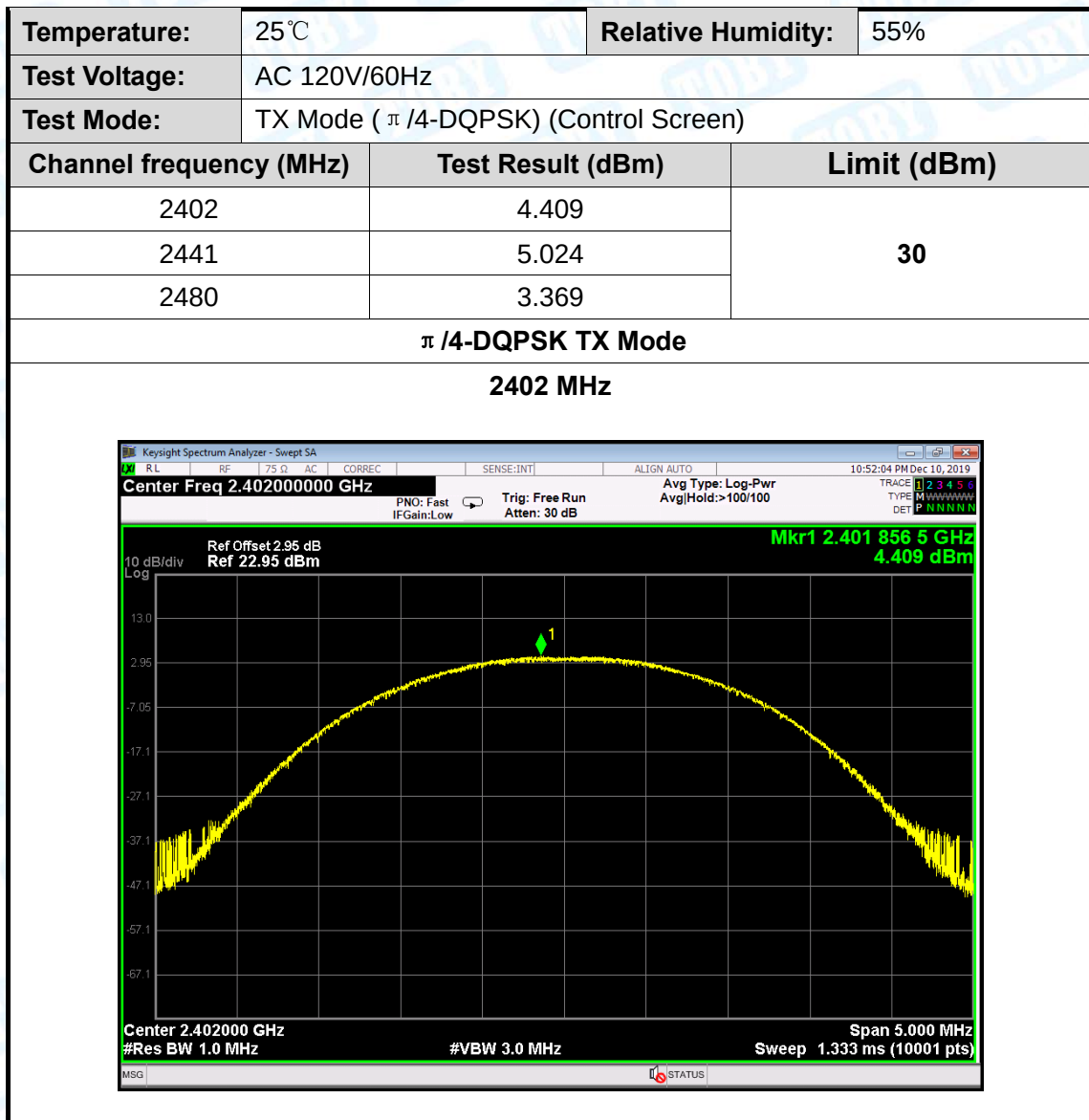
2441 MHz



GFSK TX Mode

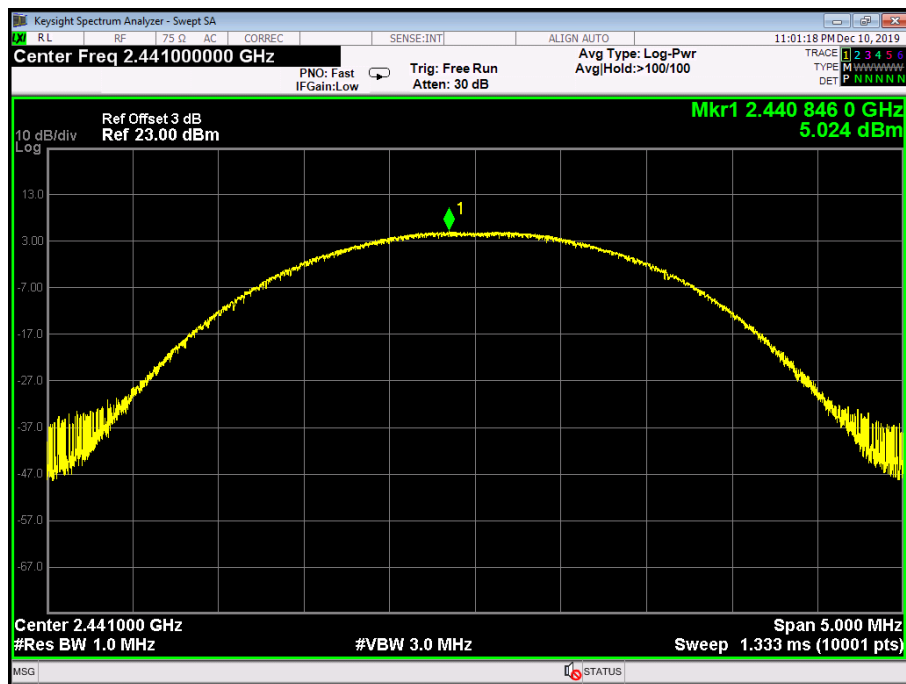
2480 MHz





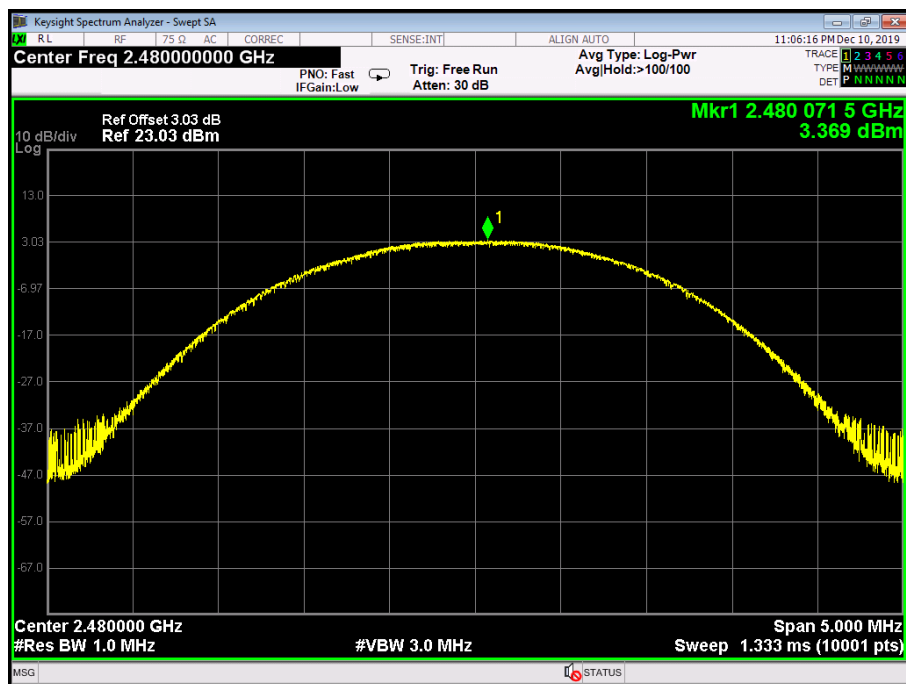
$\pi/4$ -DQPSK TX Mode

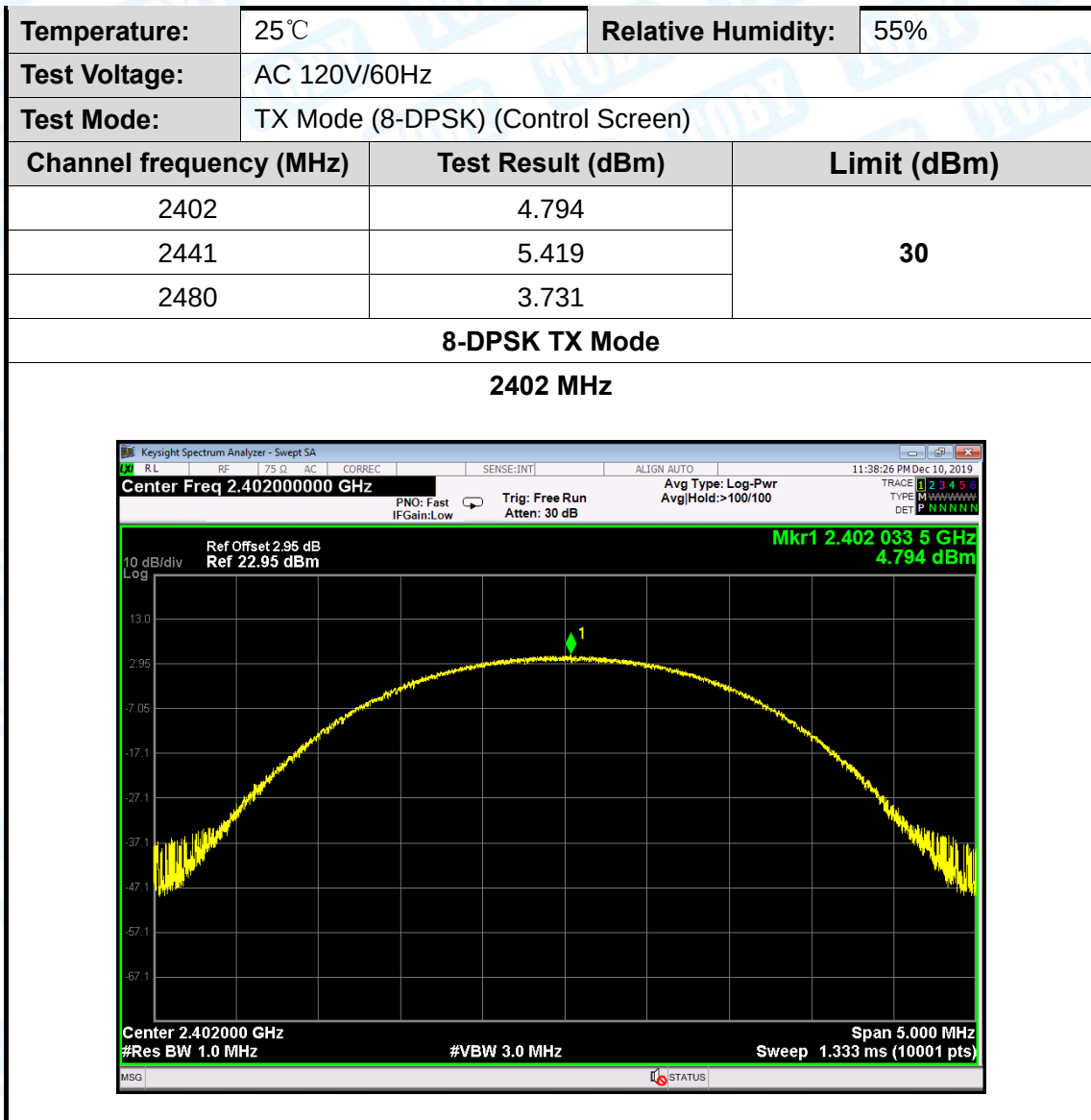
2441 MHz



$\pi/4$ -DQPSK TX Mode

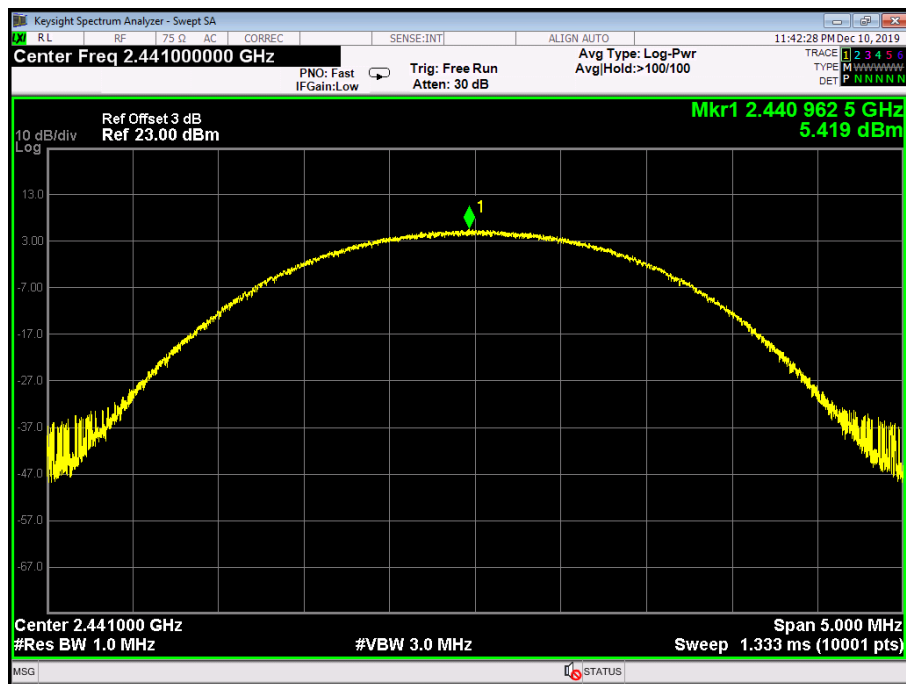
2480 MHz





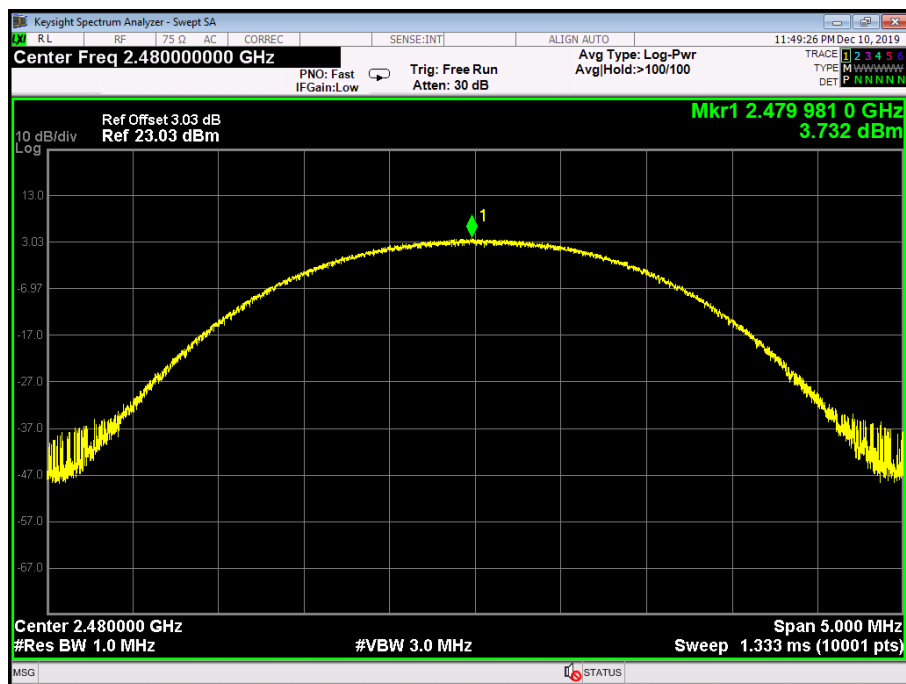
8-DPSK TX Mode

2441 MHz



8-DPSK TX Mode

2480 MHz



-----END OF REPORT-----