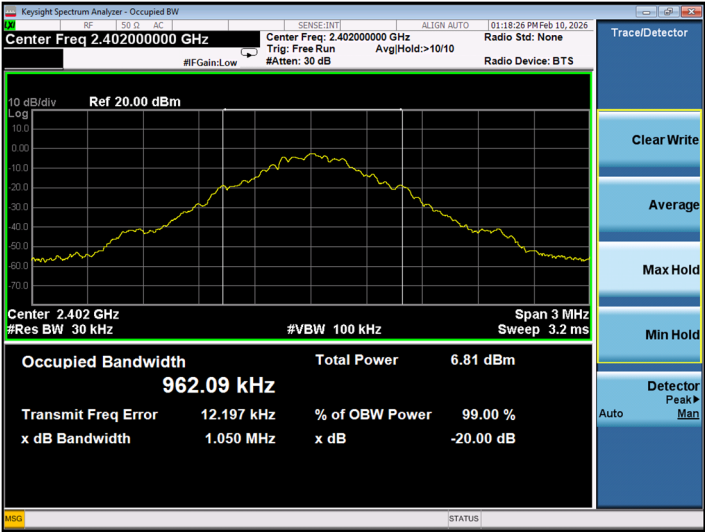
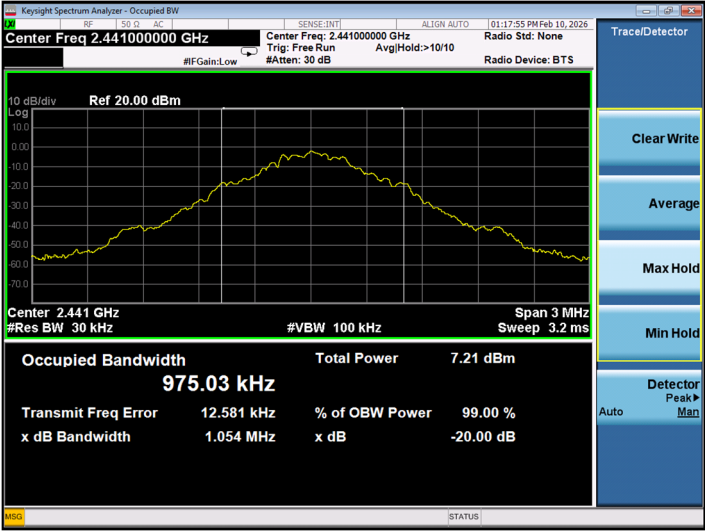
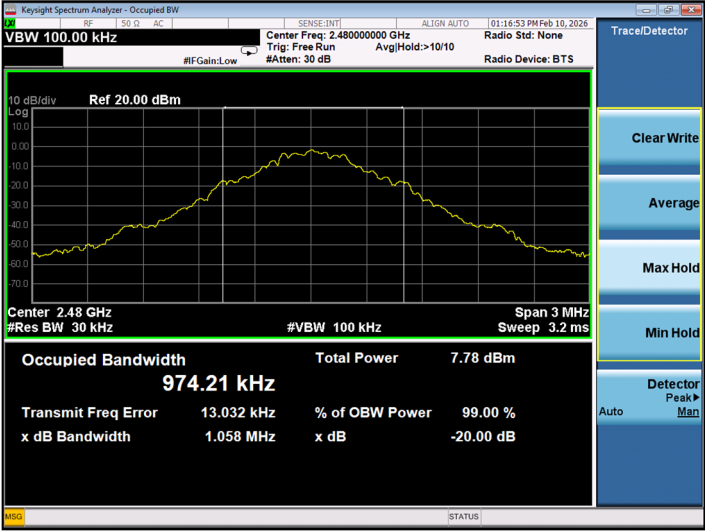


GFSK-Low	 Keysight Spectrum Analyzer - Occupied BW Center Freq: 2.402000000 GHz Center Freq: 2.402000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 20.00 dBm 10 dB/div Log Center 2.402 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 962.09 kHz Total Power 6.81 dBm Transmit Freq Error 12.197 kHz % of OBW Power 99.00 % x dB Bandwidth 1.050 MHz x dB -20.00 dB MSG STATUS Trace/Detector Clear Write Average Max Hold Min Hold Detector Peak Auto Man
GFSK-Middle	 Keysight Spectrum Analyzer - Occupied BW Center Freq: 2.441000000 GHz Center Freq: 2.441000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 20.00 dBm 10 dB/div Log Center 2.441 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 975.03 kHz Total Power 7.21 dBm Transmit Freq Error 12.581 kHz % of OBW Power 99.00 % x dB Bandwidth 1.054 MHz x dB -20.00 dB MSG STATUS Trace/Detector Clear Write Average Max Hold Min Hold Detector Peak Auto Man
GFSK-High	 Keysight Spectrum Analyzer - Occupied BW Center Freq: 2.480000000 GHz Center Freq: 2.480000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 20.00 dBm 10 dB/div Log Center 2.48 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 974.21 kHz Total Power 7.78 dBm Transmit Freq Error 13.032 kHz % of OBW Power 99.00 % x dB Bandwidth 1.058 MHz x dB -20.00 dB MSG STATUS Trace/Detector Clear Write Average Max Hold Min Hold Detector Peak Auto Man

$\pi/4$ DQPSK-Low

Center Freq 2.402000000 GHz

Center Freq: 2.402000000 GHz
Trig: Free Run
#Atten: 30 dB
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 3 MHz Sweep 3.2 ms

Occupied Bandwidth 1.2190 MHz

Total Power 6.70 dBm

Transmit Freq Error 26.085 kHz % of OBW Power 99.00 %

x dB Bandwidth 1.324 MHz x dB -20.00 dB

MSO File <Screen_0040.png> saved

Trace/Detector

Clear Write

Average

Max Hold

Min Hold

Detector Peak Man

Auto

$\pi/4$ DQPSK-Middle

Center Freq 2.441000000 GHz

Center Freq: 2.441000000 GHz
Trig: Free Run
#Atten: 30 dB
Radio Std: None
Radio Device: BTS

10 dB/div Ref 20.00 dBm

Center 2.441 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 3.2 ms

Occupied Bandwidth 1.2223 MHz

Total Power 6.88 dBm

Transmit Freq Error 23.114 kHz % of OBW Power 99.00 %

x dB Bandwidth 1.312 MHz x dB -20.00 dB

MSO

Trace/Detector

Clear Write

Average

Max Hold

Min Hold

Detector Peak Man

Auto

$\pi/4$ DQPSK-High

Center Freq 2.480000000 GHz

Center Freq: 2.480000000 GHz
Trig: Free Run
#Atten: 30 dB
Radio Std: None
Radio Device: BTS

10 dB/div Ref 20.00 dBm

Center 2.48 GHz #Res BW 30 kHz #VBW 100 kHz Span 3 MHz Sweep 3.2 ms

Occupied Bandwidth 1.2275 MHz

Total Power 7.29 dBm

Transmit Freq Error 24.454 kHz % of OBW Power 99.00 %

x dB Bandwidth 1.321 MHz x dB -20.00 dB

MSO

Trace/Detector

Clear Write

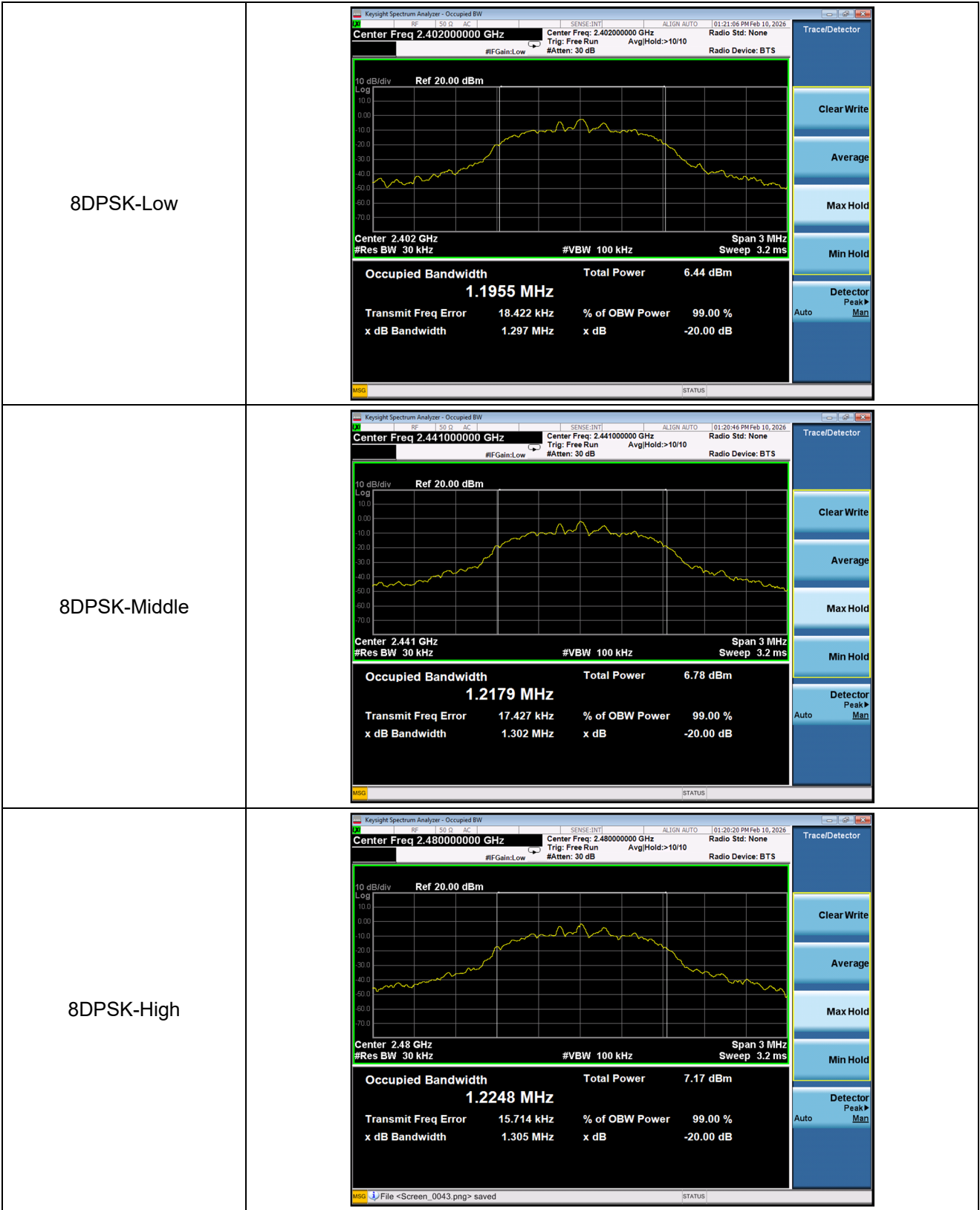
Average

Max Hold

Min Hold

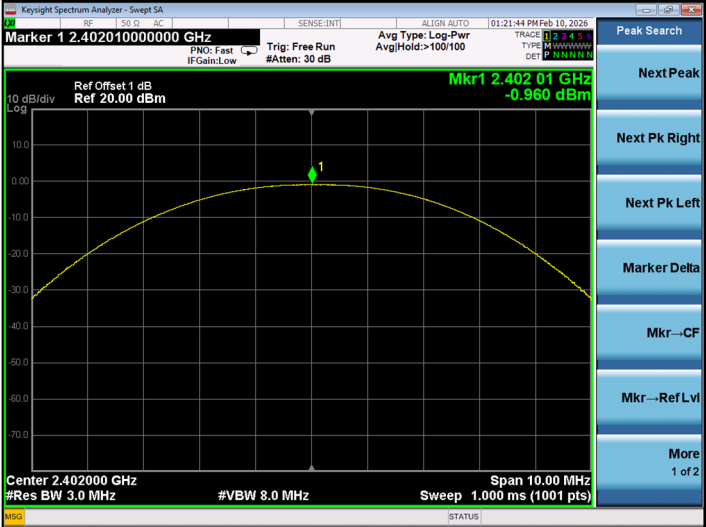
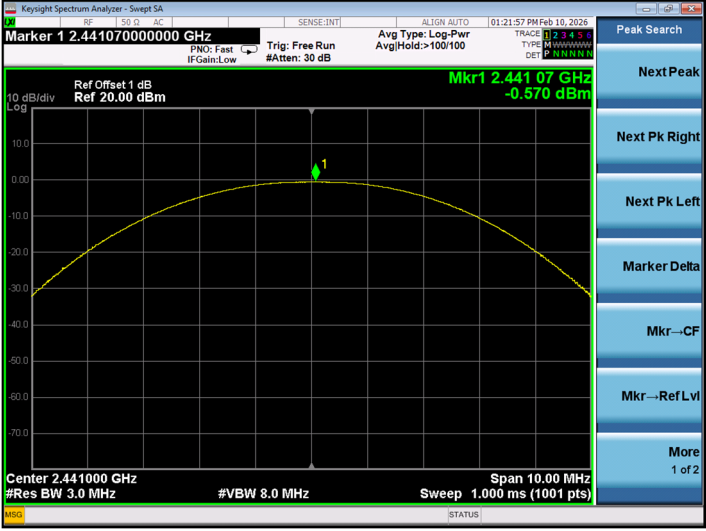
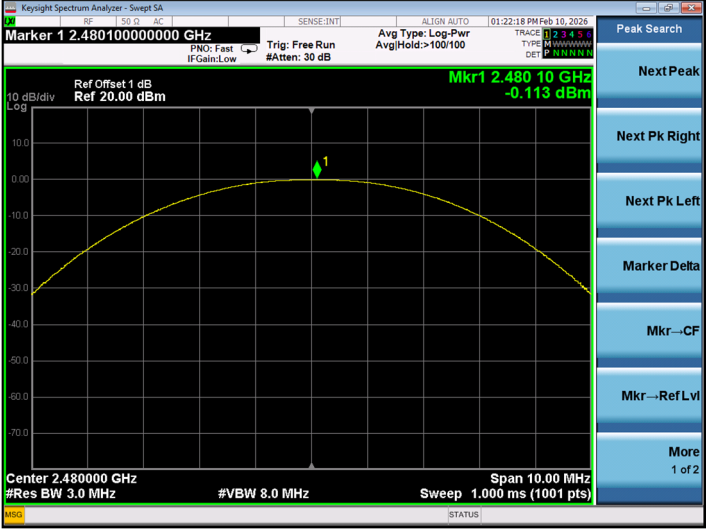
Detector Peak Man

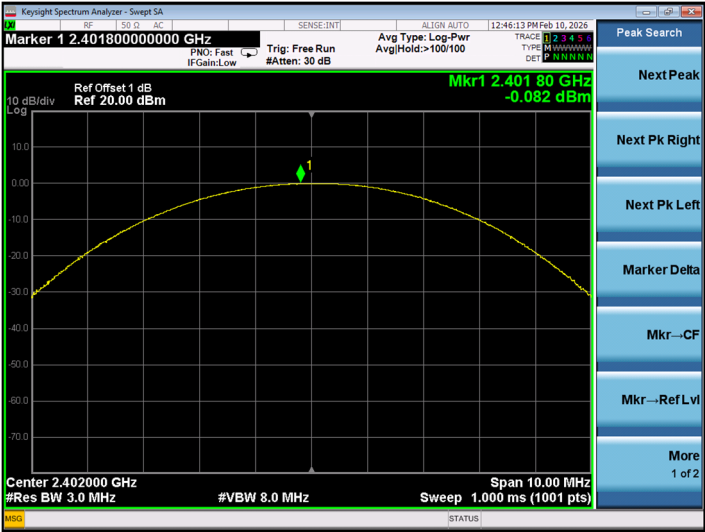
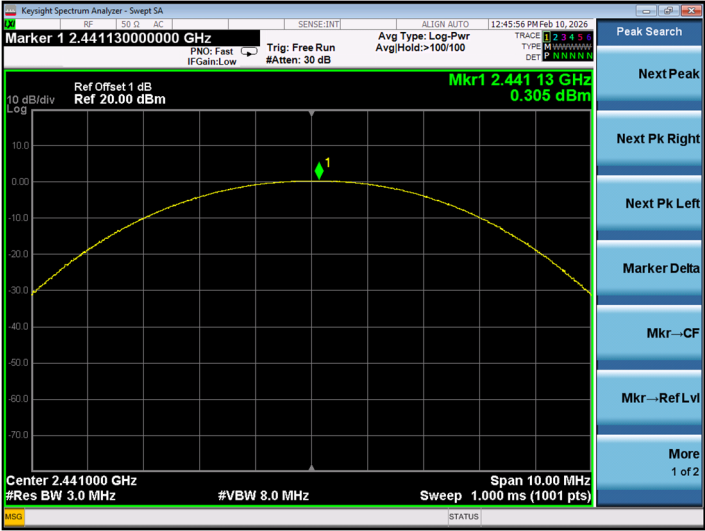
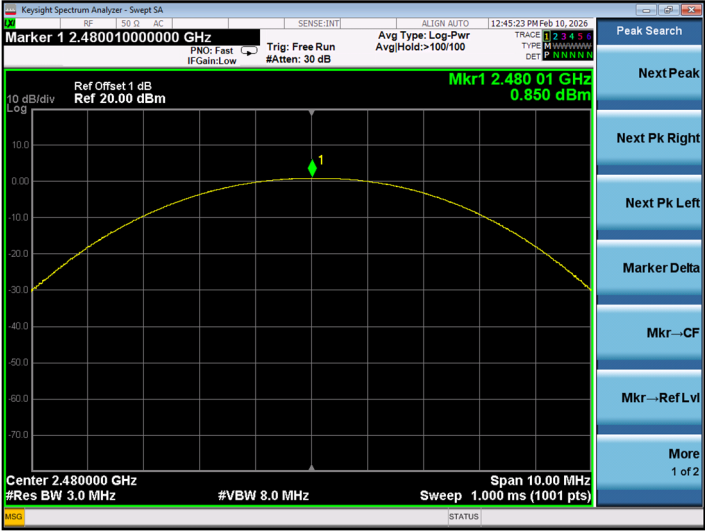
Auto

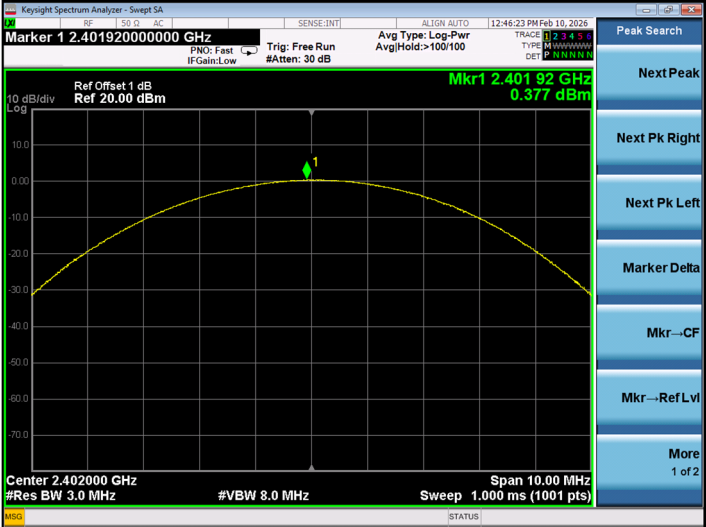
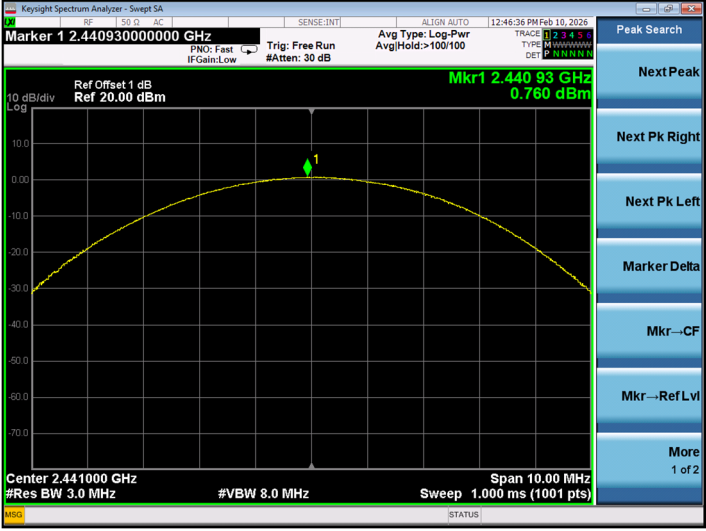
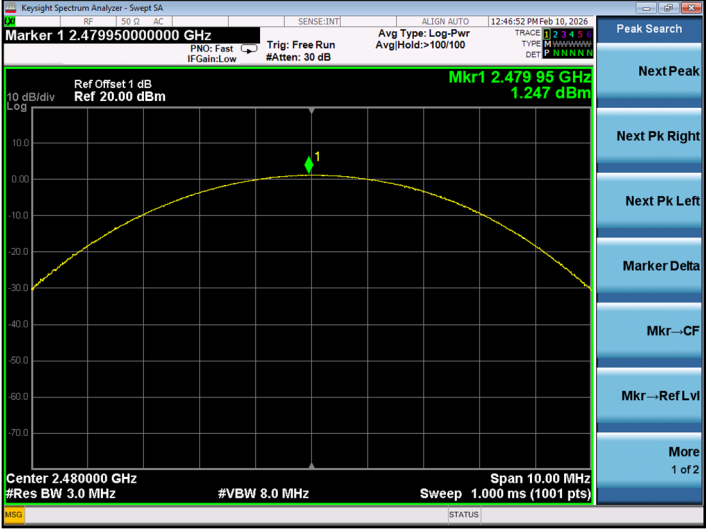


APPENDIX D

RF Output Power				
Modulation type	Channel	Output power (dBm)	Limit (dBm)	Result
GFSK	Low	-0.960	30.00	Pass
	Middle	-0.570		
	High	-0.113		
$\pi/4$ DQPSK	Low	-0.082	20.97	Pass
	Middle	0.305		
	High	0.850		
8DPSK	Low	0.377	20.97	Pass
	Middle	0.760		
	High	1.247		

GFSK-Low	
GFSK-Middle	
GFSK-High	

π/4 DQPSK-Low	
π/4 DQPSK-Middle	
π/4 DQPSK-High	

8DPSK-Low	
8DPSK-Middle	
8DPSK-High	

APPENDIX E

Conducted Out of Band Emissions

1Mbps Low

