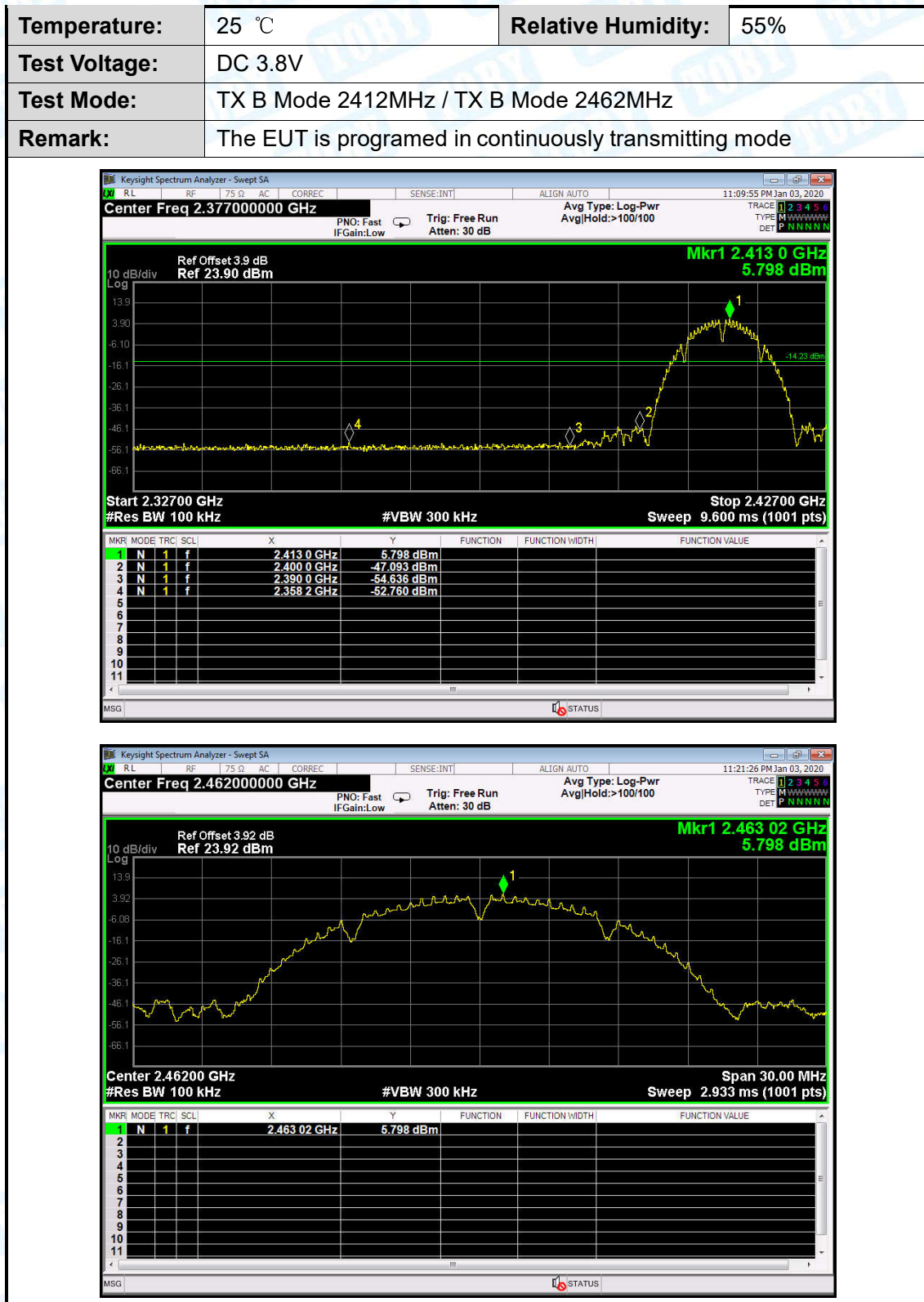
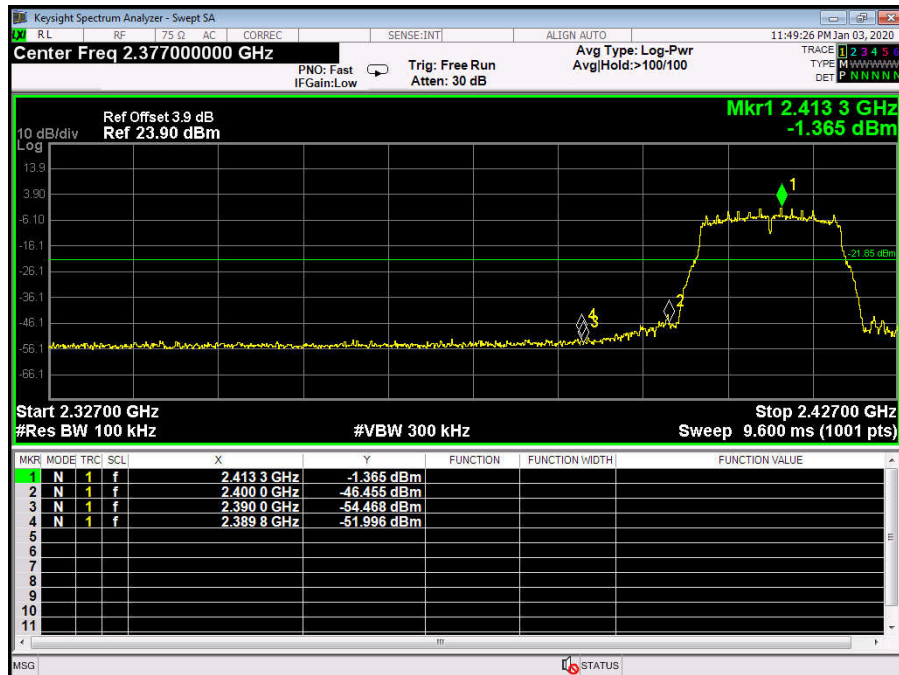


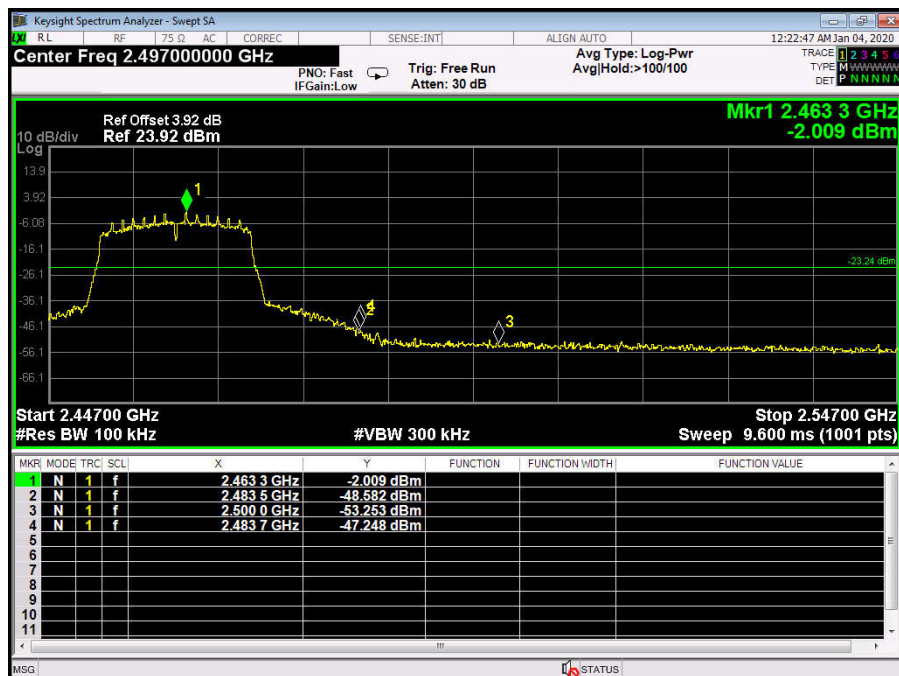
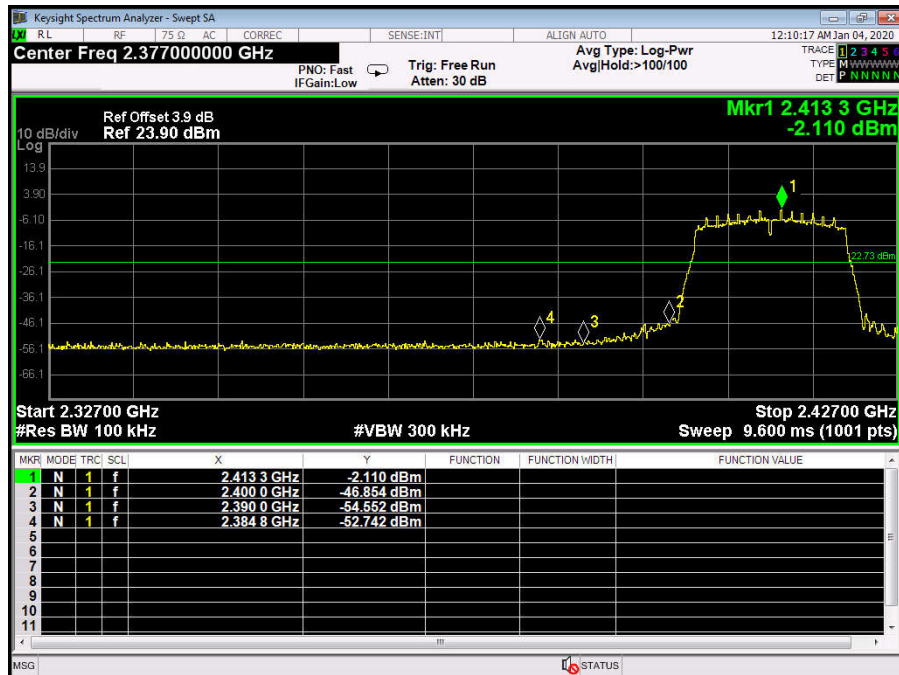
(2) Conducted Test



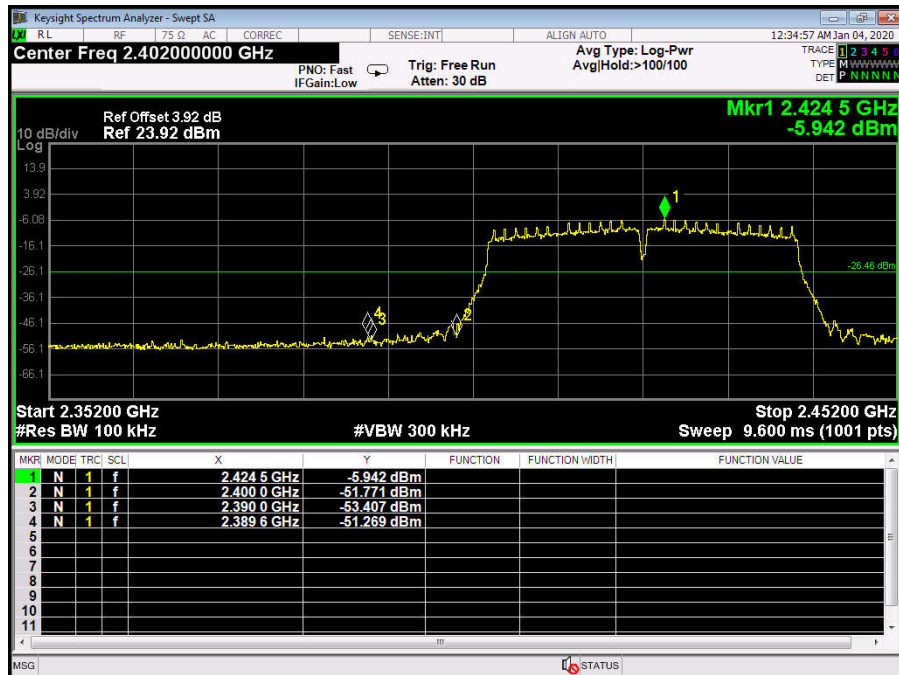
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX G Mode 2412MHz / TX G Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX N(HT40) Mode 2422MHz / TX N(HT40) Mode 2452MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Attachment D-- Bandwidth Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11B Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	8.057	12.870	>=0.5
2437	8.054	12.821	
2462	8.065	12.669	
802.11B Mode			
2412 MHz			

Keysight Spectrum Analyzer - Occupied BW

RL

RF

75 Ω

AC

CORREC

SENSE:INT

ALIGN AUTO

11:09:14 PM Jan 03, 2020

Center Freq 2.412000000 GHz

Center Freq: 2.412000000 GHz

Trig: Free Run

Avg/Hold:>10/10

Radio Std: None

#FGain:Low

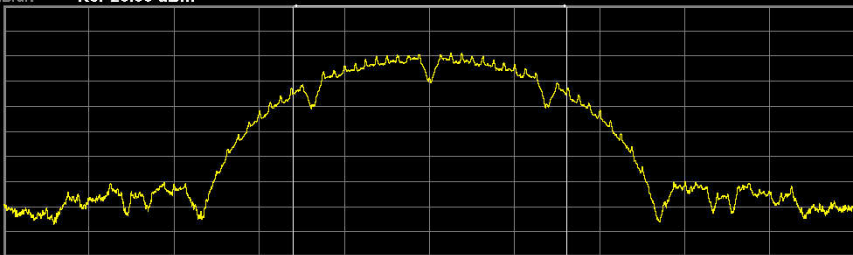
#Atten: 10 dB

Radio Device: BTS

10 dB/div

Log

Ref 20.00 dBm



Center 2.412 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 40 MHz

Sweep 4 ms

Occupied Bandwidth

12.870 MHz

Total Power

16.6 dBm

Transmit Freq Error

22.436 kHz

% of OBW Power

99.00 %

x dB Bandwidth

8.057 MHz

x dB

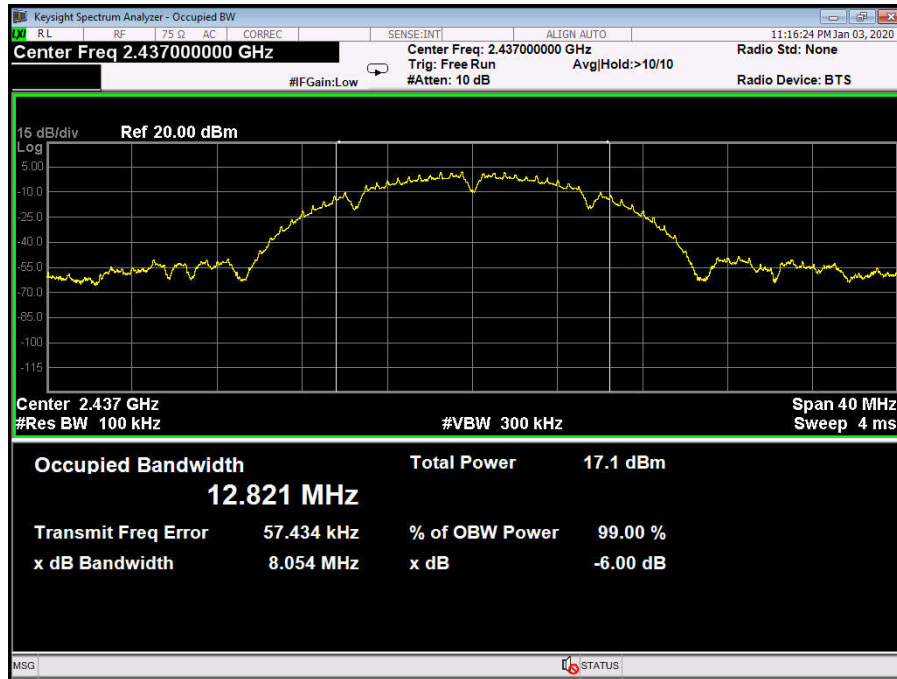
-6.00 dB

MSG

STATUS

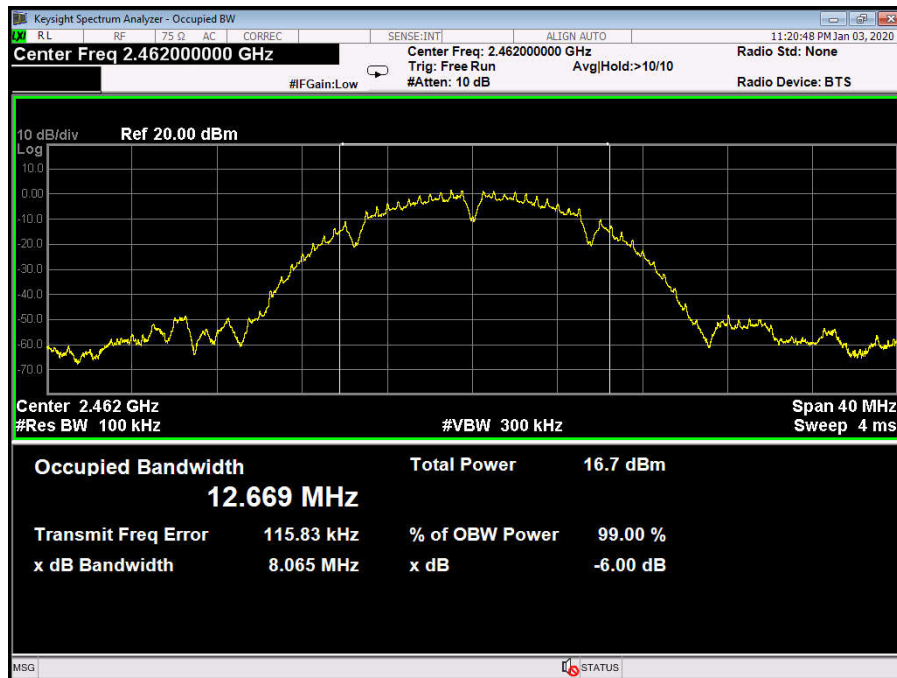
802.11B Mode

2437 MHz



802.11B Mode

2462 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11G Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	14.93	16.344	>=0.5
2437	15.11	16.334	
2462	15.30	16.342	
802.11G Mode			
2412 MHz			

Keysight Spectrum Analyzer - Occupied BW

RL

RF

75 Ω

AC

CORREC

SENSE:INT

ALIGN: AUTO

11:47:36 PM Jan 03, 2020

Center Freq 2.412000000 GHz

Center Freq: 2.412000000 GHz

Trig: Free Run

Avg/Hold: >10/10

Radio Std: None

#IF Gain: Low

#Atten: 10 dB

Radio Device: BTS

10 dB/div

Ref 20.00 dBm

Log

Center 2.412 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 40 MHz

Sweep 4 ms

Occupied Bandwidth

16.344 MHz

Total Power

11.1 dBm

Transmit Freq Error

12.926 kHz

% of OBW Power

99.00 %

x dB Bandwidth

14.93 MHz

x dB

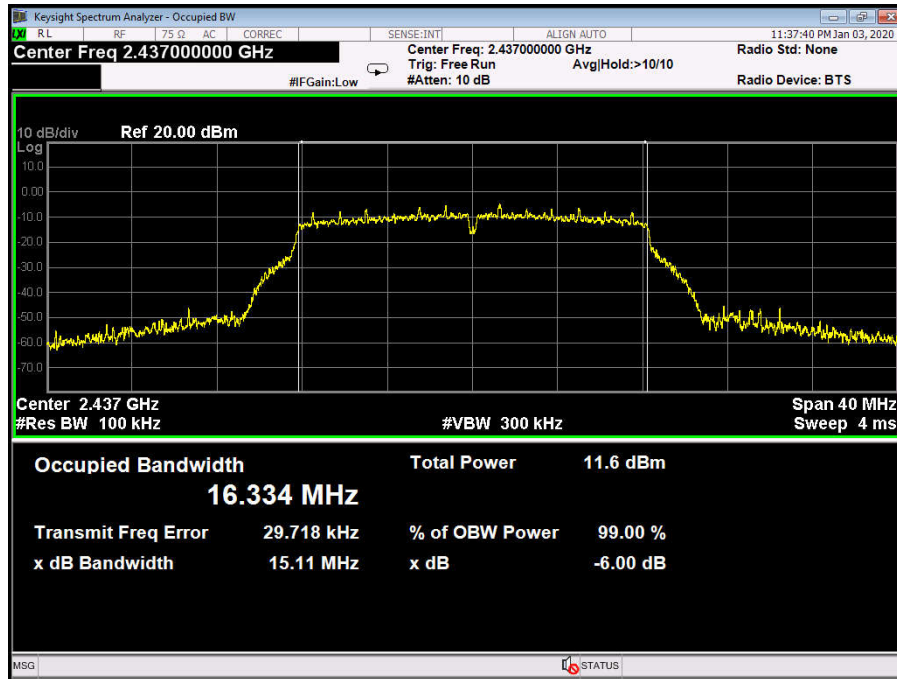
-6.00 dB

MSG

STATUS

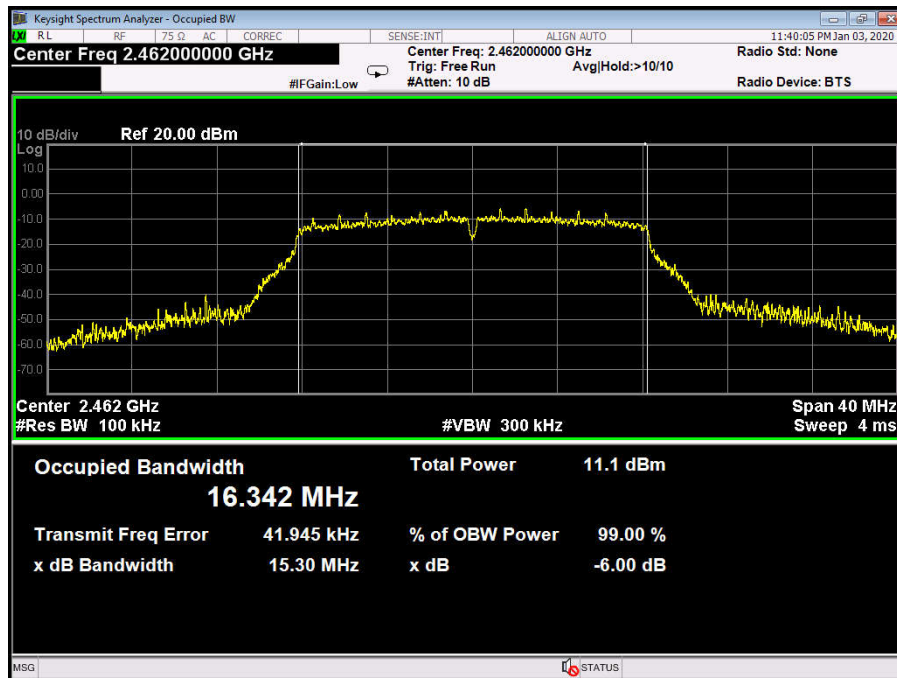
802.11G Mode

2437 MHz



802.11G Mode

2462 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11N(HT20) Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	15.34	17.540	>=0.5
2437	15.45	17.535	
2462	17.70	17.520	
802.11N(HT20) Mode			
2412 MHz			

Keysight Spectrum Analyzer - Occupied BW

RL

RF

75 Ω

AC

CORREC

SENSE:INT

ALIGN AUTO

12:09:15 AM Jan 04, 2020

Center Freq 2.412000000 GHz

Center Freq: 2.412000000 GHz

Radio Std: None

#IFGain:Low

Trig: Free Run

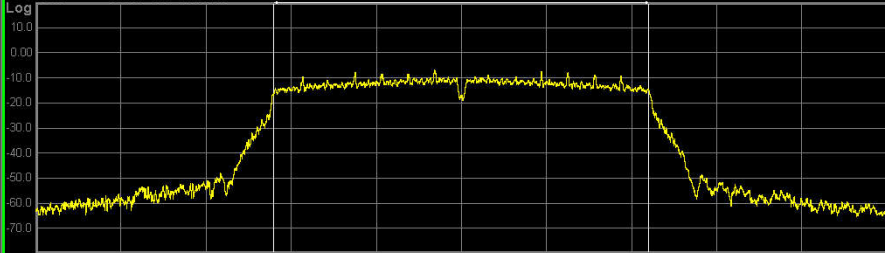
Avg/Hold:>10/10

Radio Device: BTS

10 dB/div

Ref 20.00 dBm

Log



Center 2.412 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 40 MHz

Sweep 4 ms

Occupied Bandwidth

17.540 MHz

Total Power

10.1 dBm

Transmit Freq Error

15.237 kHz

% of OBW Power

99.00 %

x dB Bandwidth

15.34 MHz

x dB

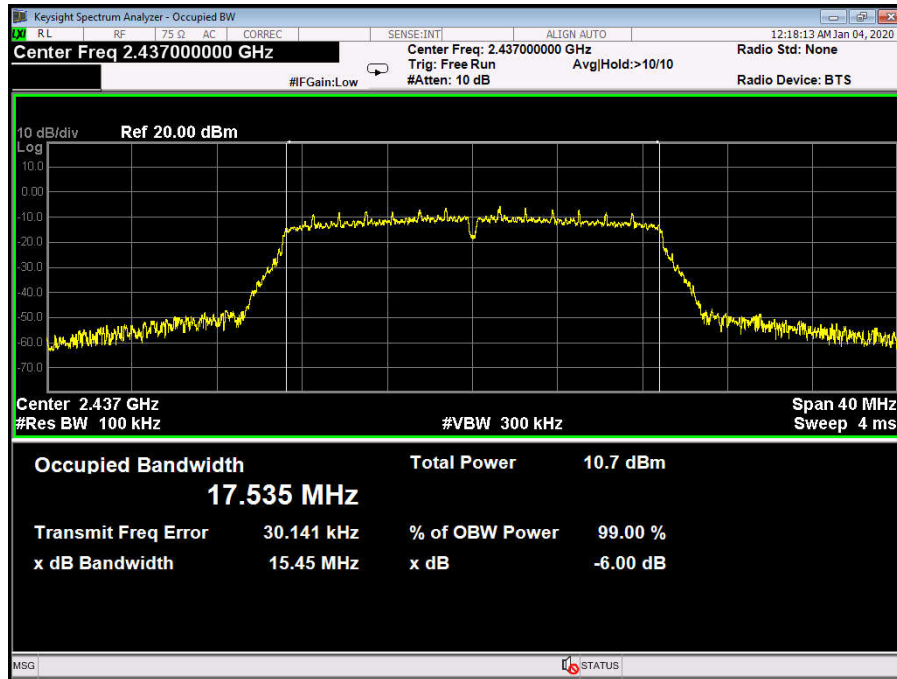
-6.00 dB

MSG

 STATUS

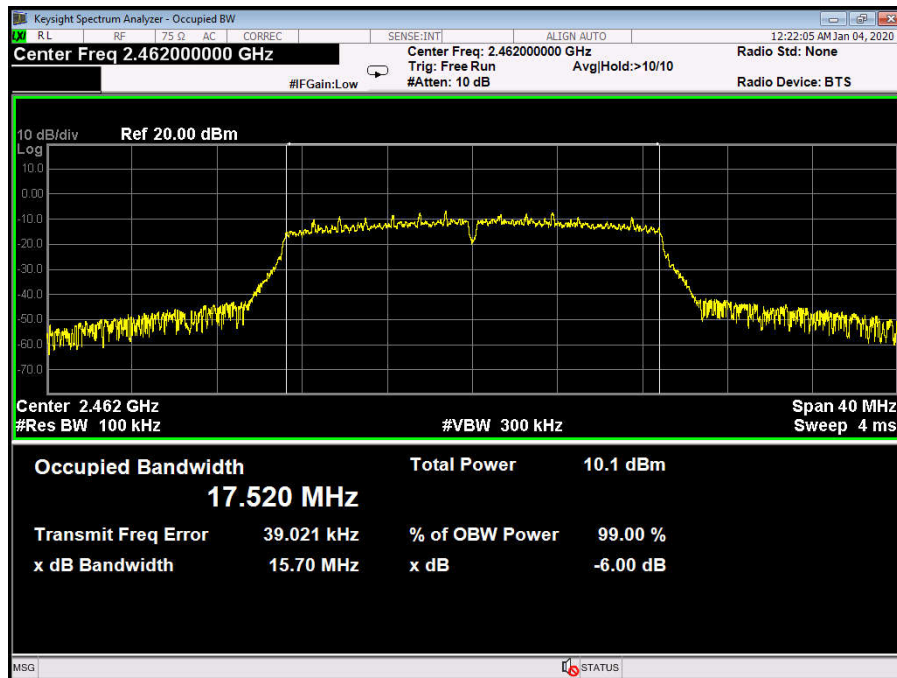
802.11N(HT20) Mode

2437 MHz



802.11N(HT20) Mode

2462 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11N(HT40) Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2422	35.07	35.843	>=0.5
2437	35.18	35.845	
2452	35.08	35.842	
802.11N(HT40) Mode			
2422 MHz			

Keysight Spectrum Analyzer - Occupied BW

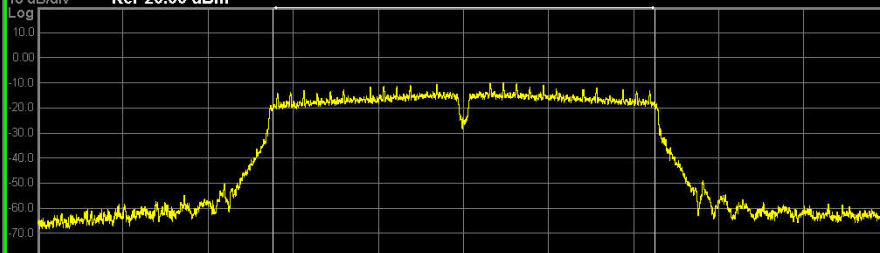
RLRF75 ΩACCORRECSENSE:INTALIGN AUTOTime: 12:34:19 AM Jan 04, 2020

Center Freq 2.422000000 GHzCenter Freq: 2.422000000 GHzRadio Std: None

#FGain:LowTrig: Free RunAvg|Hold:>10/10#Atten: 10 dBRadio Device: BTS

10 dB/divRef 20.00 dBm

Log



Center 2.422 GHzSpan 80 MHz

#Res BW 100 kHz#VBW 300 kHzSweep 8 ms

Occupied Bandwidth

35.843 MHz

Total Power

9.36 dBm

Transmit Freq Error

53.672 kHz

% of OBW Power

99.00 %

x dB Bandwidth

35.07 MHz

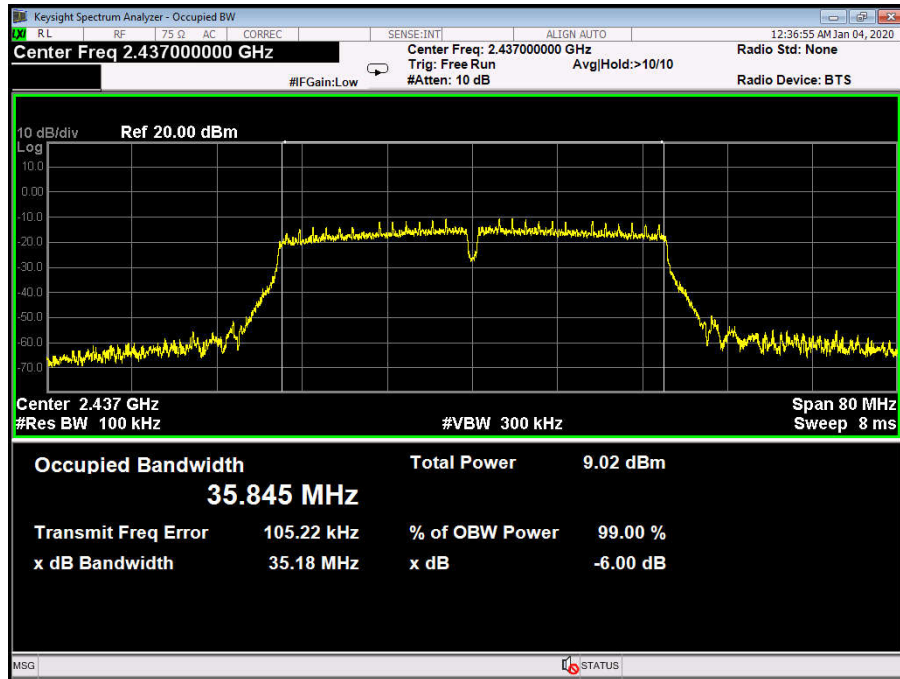
x dB

-6.00 dB

MSGSTATUS

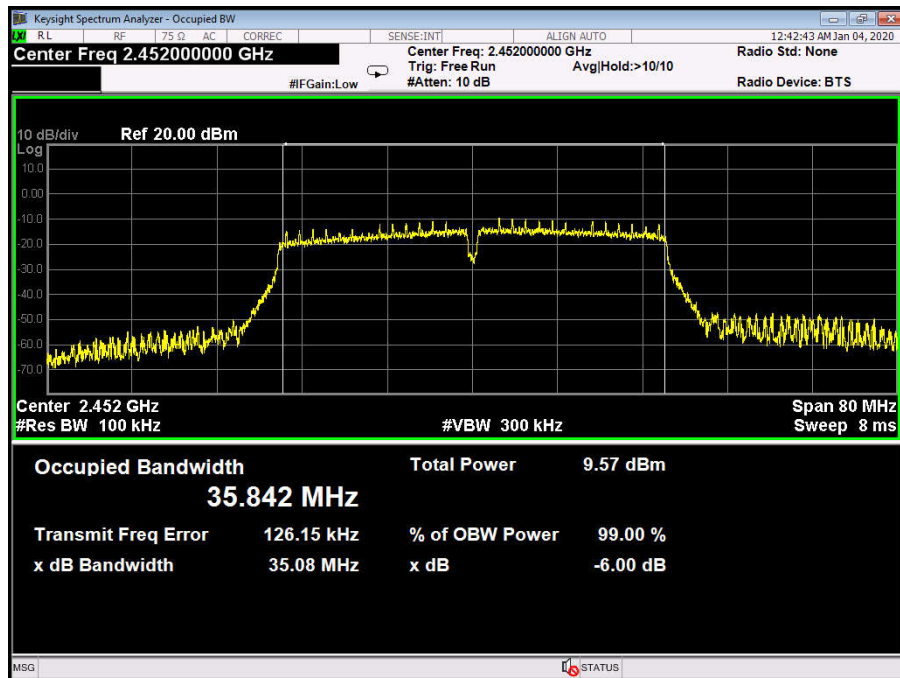
802.11N(HT40) Mode

2437 MHz



802.11N(HT40) Mode

2452 MHz

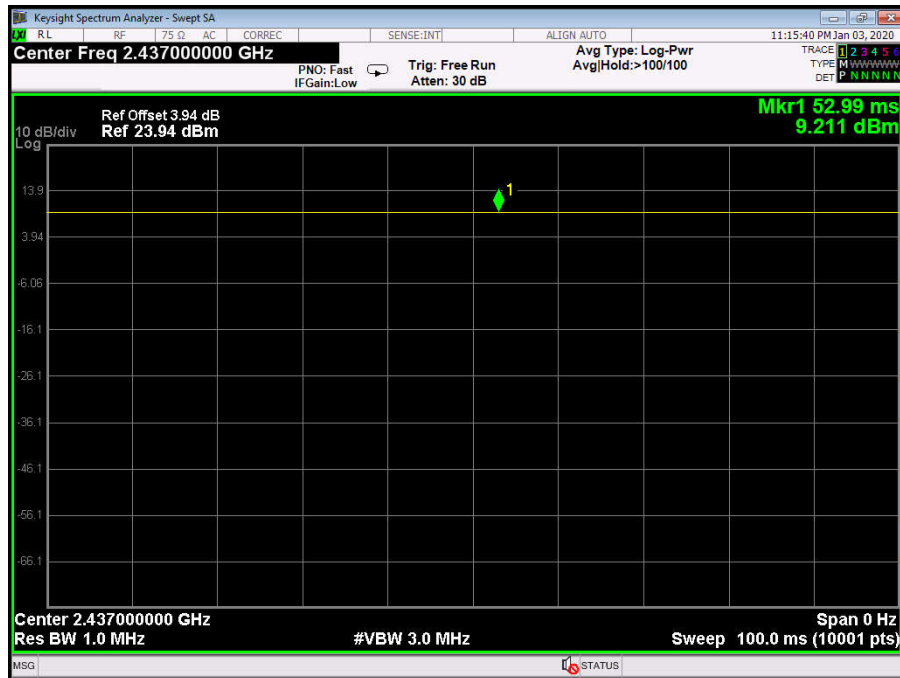


Attachment E-- Peak Output Power Test Data

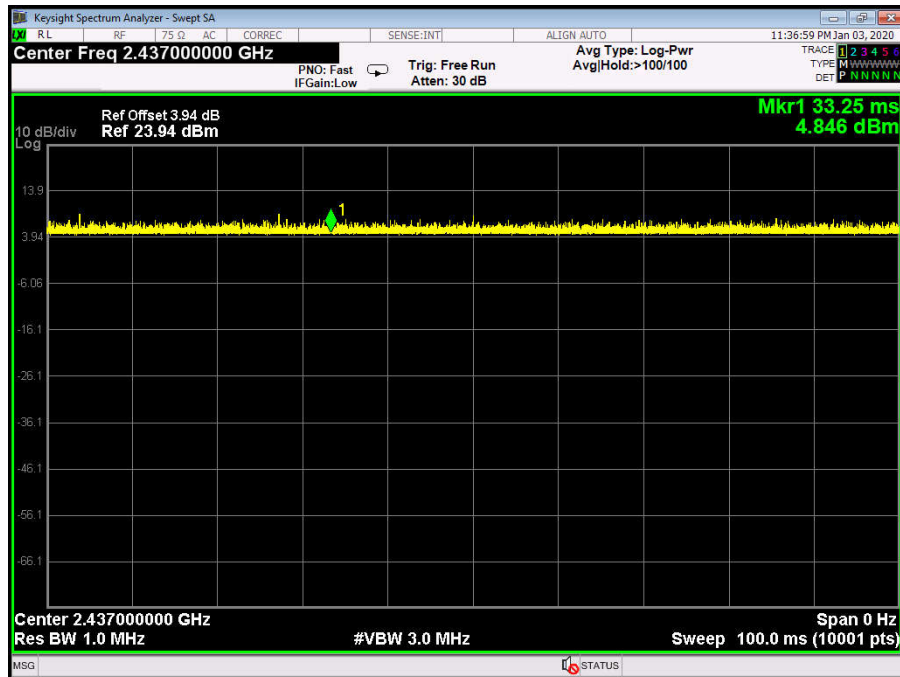
Test Conditions:		Continuous Transmitting Mode	
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
802.11b	2412	15.33	30
	2437	15.78	
	2462	15.37	
802.11g	2412	14.32	
	2437	14.80	
	2462	14.35	
802.11n (HT20)	2412	13.25	
	2437	13.82	
	2462	13.28	
802.11n (HT40)	2422	12.54	
	2437	12.16	
	2452	12.81	
Result: PASS			

Duty Cycle		
Mode	Channel frequency (MHz)	Test Result
802.11b	2412	>98%
	2437	
	2462	
802.11g	2412	
	2437	
	2462	
802.11n (HT20)	2412	
	2437	
	2462	
802.11n (HT40)	2422	
	2437	
	2452	
Please see below plots		

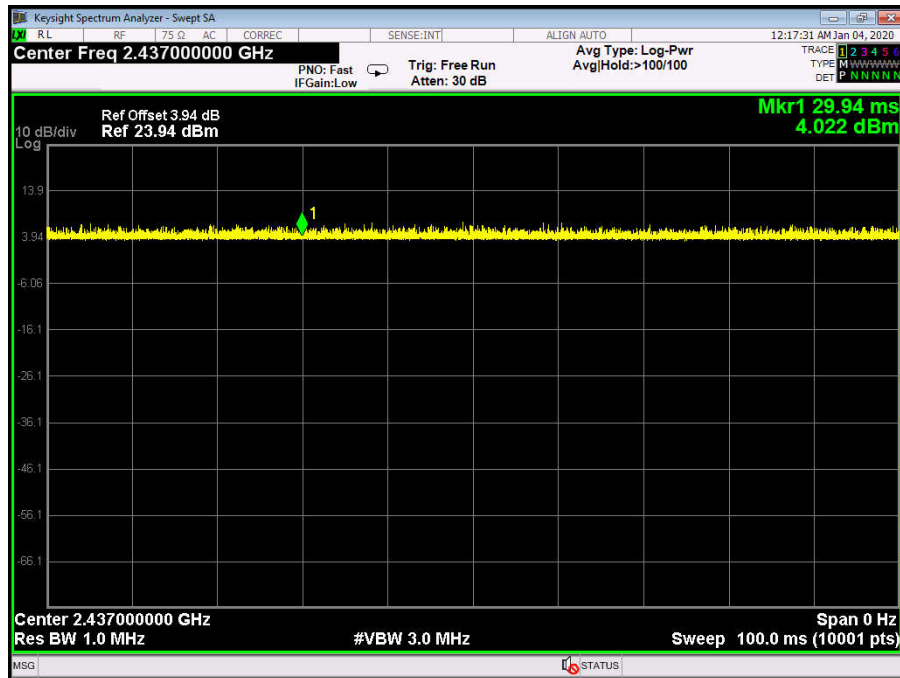
802.11 B Mode 2437 MHz



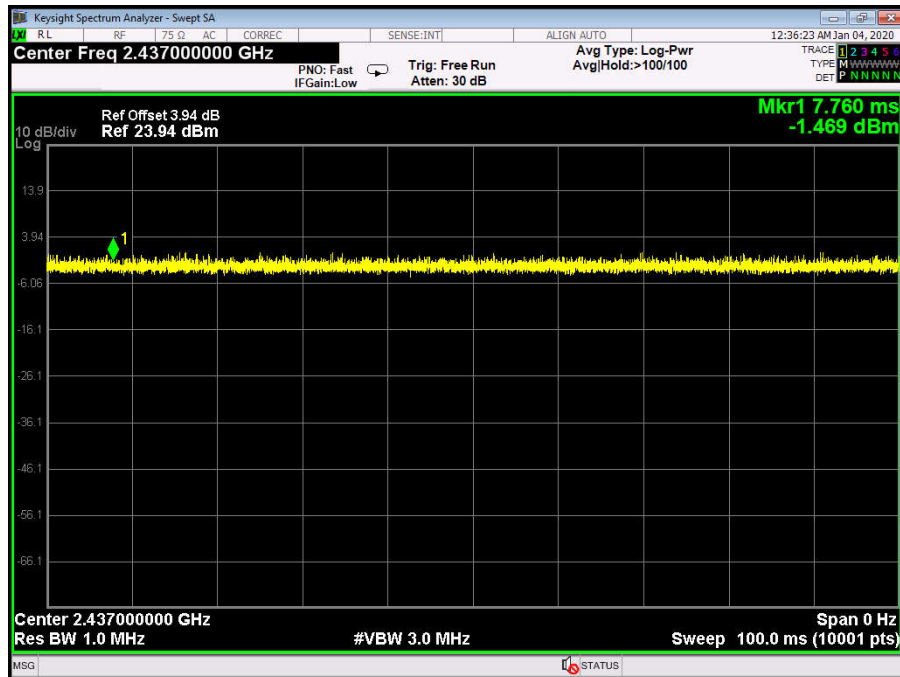
802.11 G Mode 2437 MHz



802.11 N20 Mode 2437 MHz

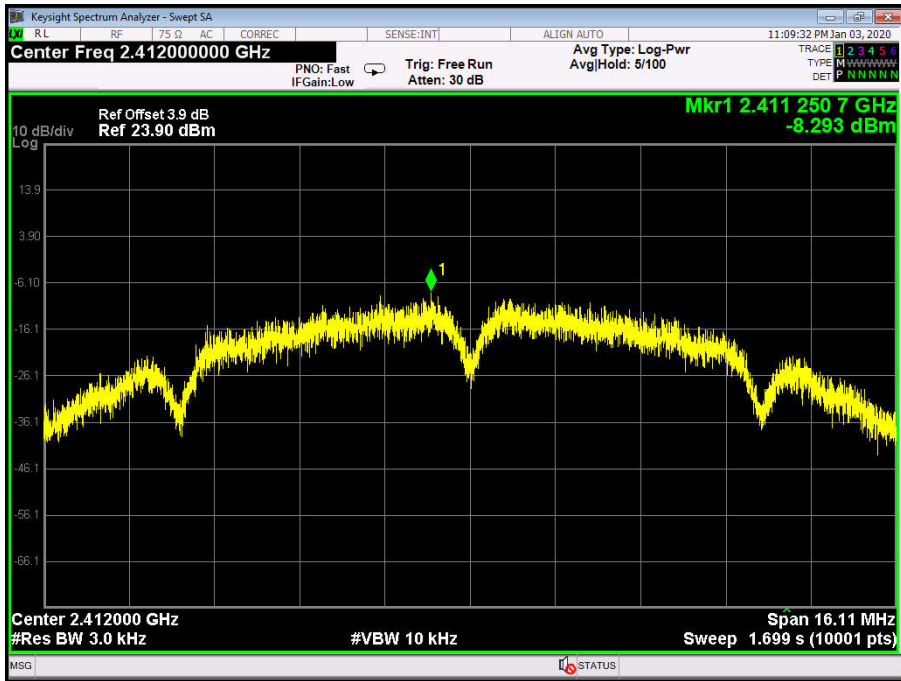


802.11 N40 Mode 2437 MHz



Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11B Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2412	-8.293	8	
2437	-8.954		
2462	-8.140		
802.11B Mode			
2412 MHz			



Keysight Spectrum Analyzer - Swept SA

RL RF 75 Ω AC CORREC SENSE:INT ALIGN AUTO 11:09:32 PM Jan 03, 2020

Center Freq 2.412000000 GHz PNO: Fast IF Gain: Low Trig: Free Run Atten: 30 dB Avg Type: Log-Pwr Avg Hold: 5/100 TRACE 1 2 3 4 5 6 TYPE M YAWWWWW DET P NNNNN

Ref Offset 3.9 dB Ref 23.90 dBm Mkr1 2.411 250 7 GHz -8.293 dBm

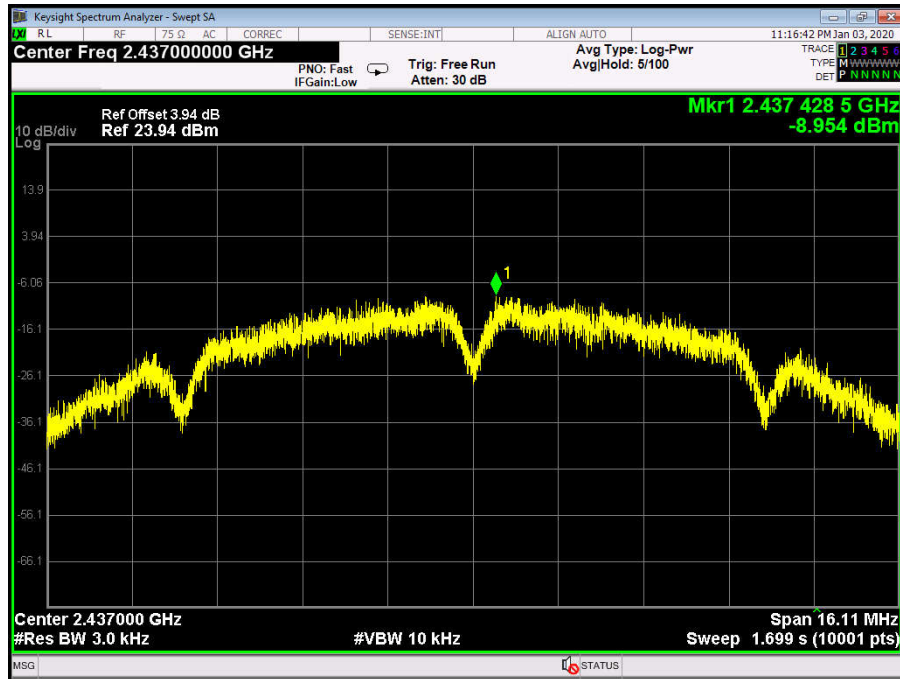
10 dB/div Log

Center 2.412000 GHz Span 16.11 MHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 1.699 s (10001 pts)

MSG STATUS

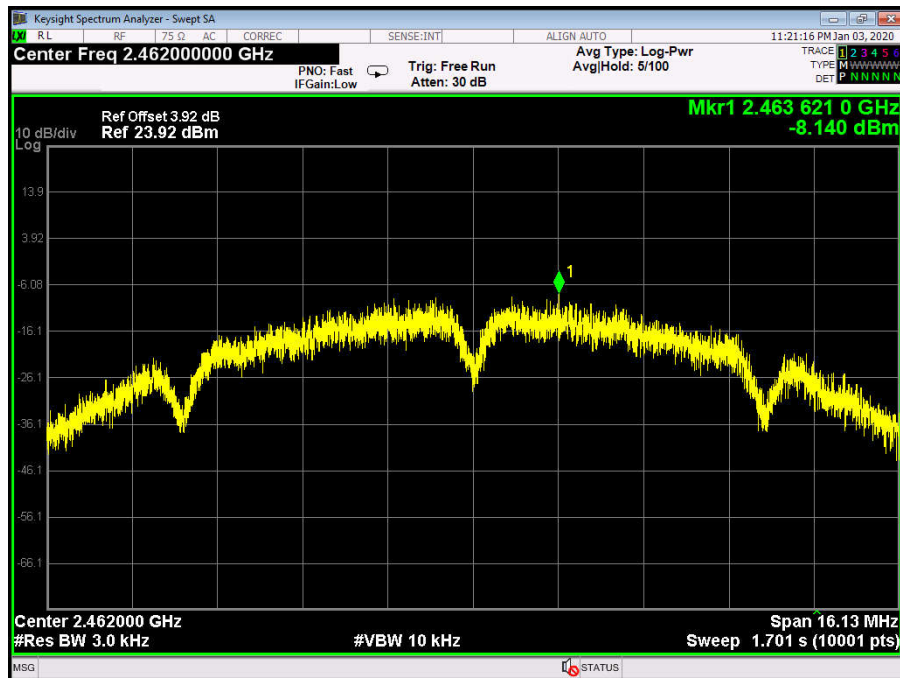
802.11B Mode

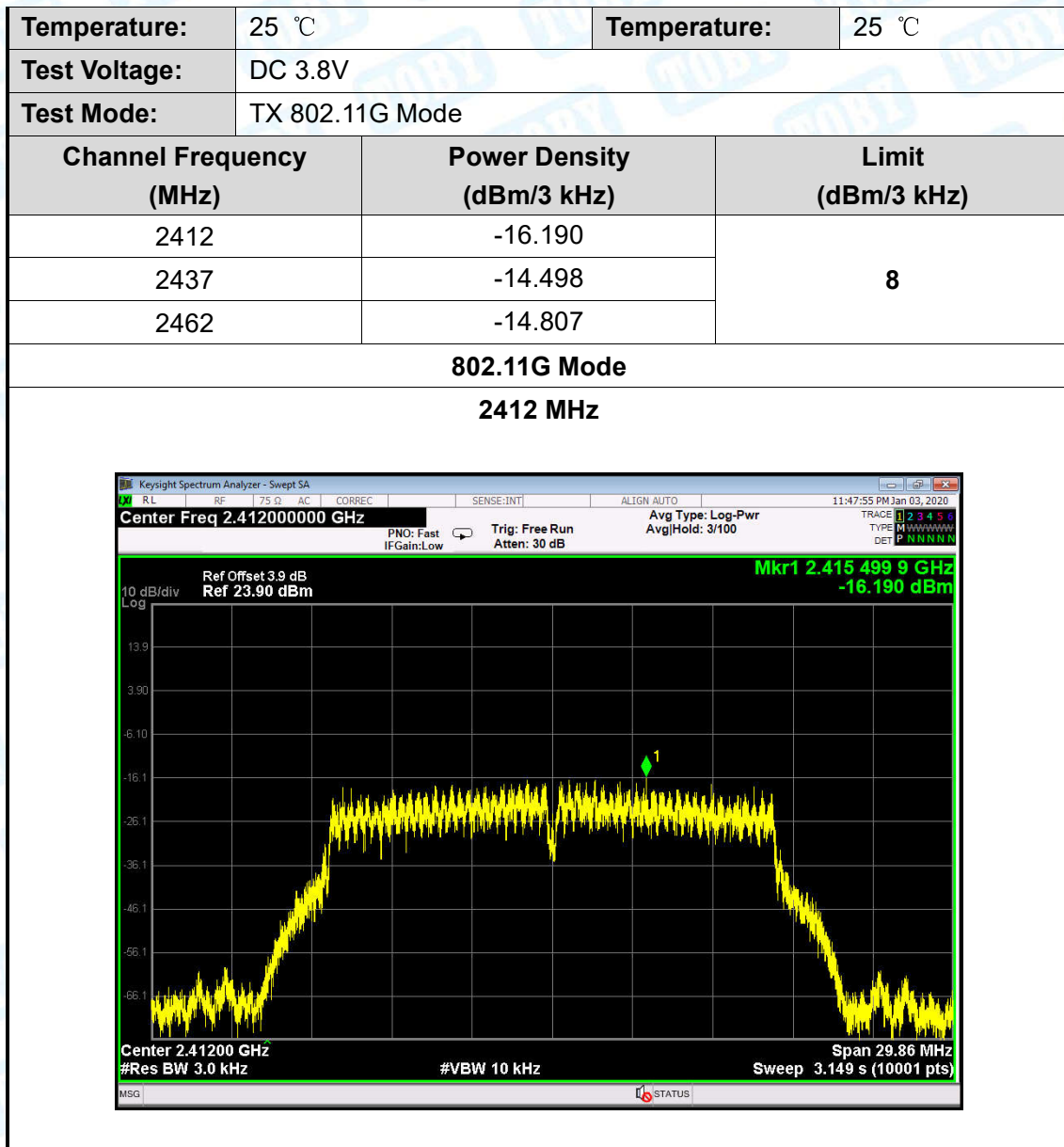
2437 MHz



802.11B Mode

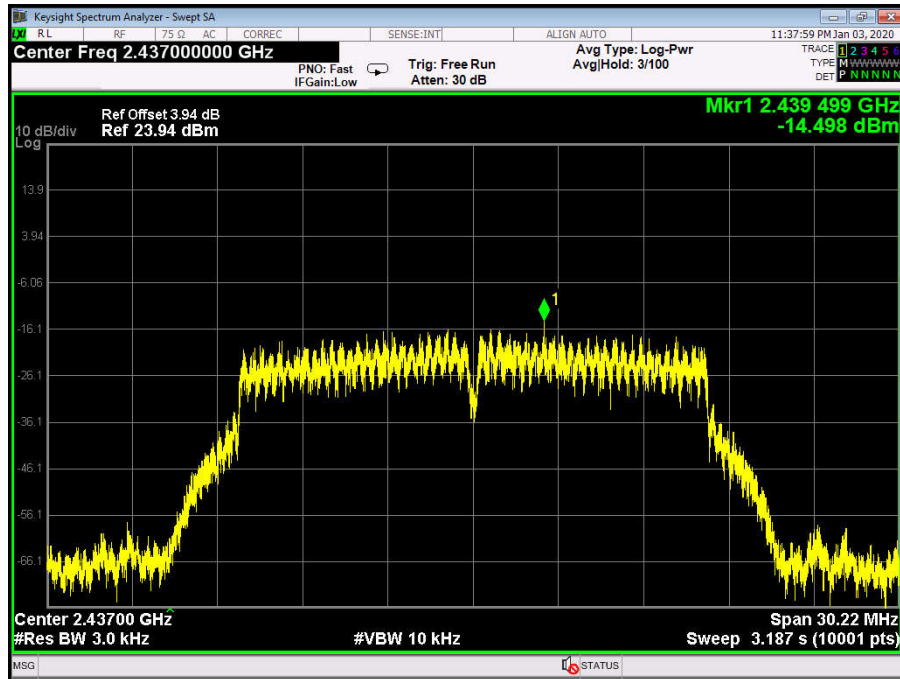
2462 MHz





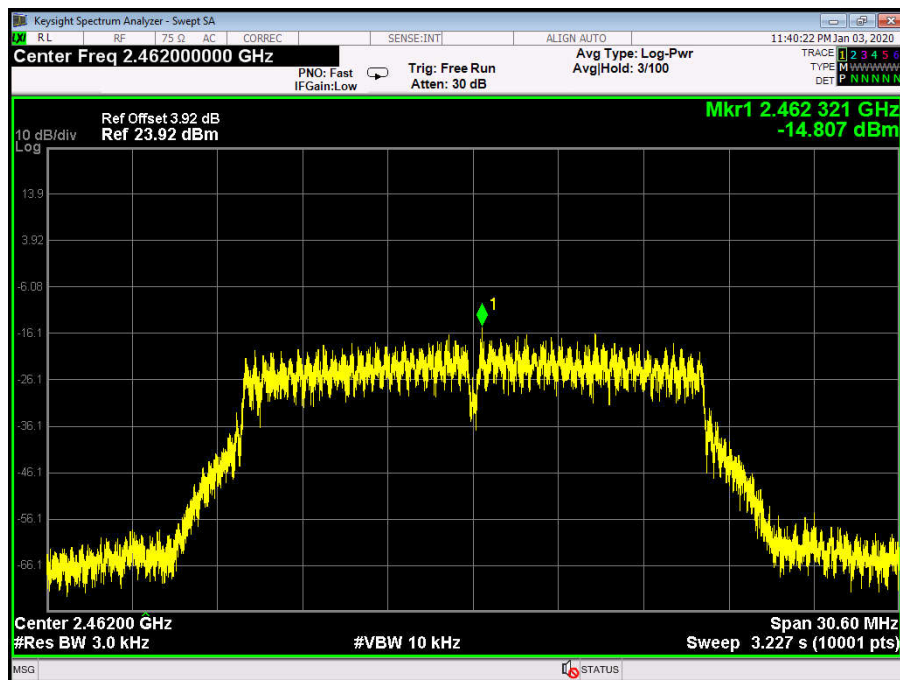
802.11G Mode

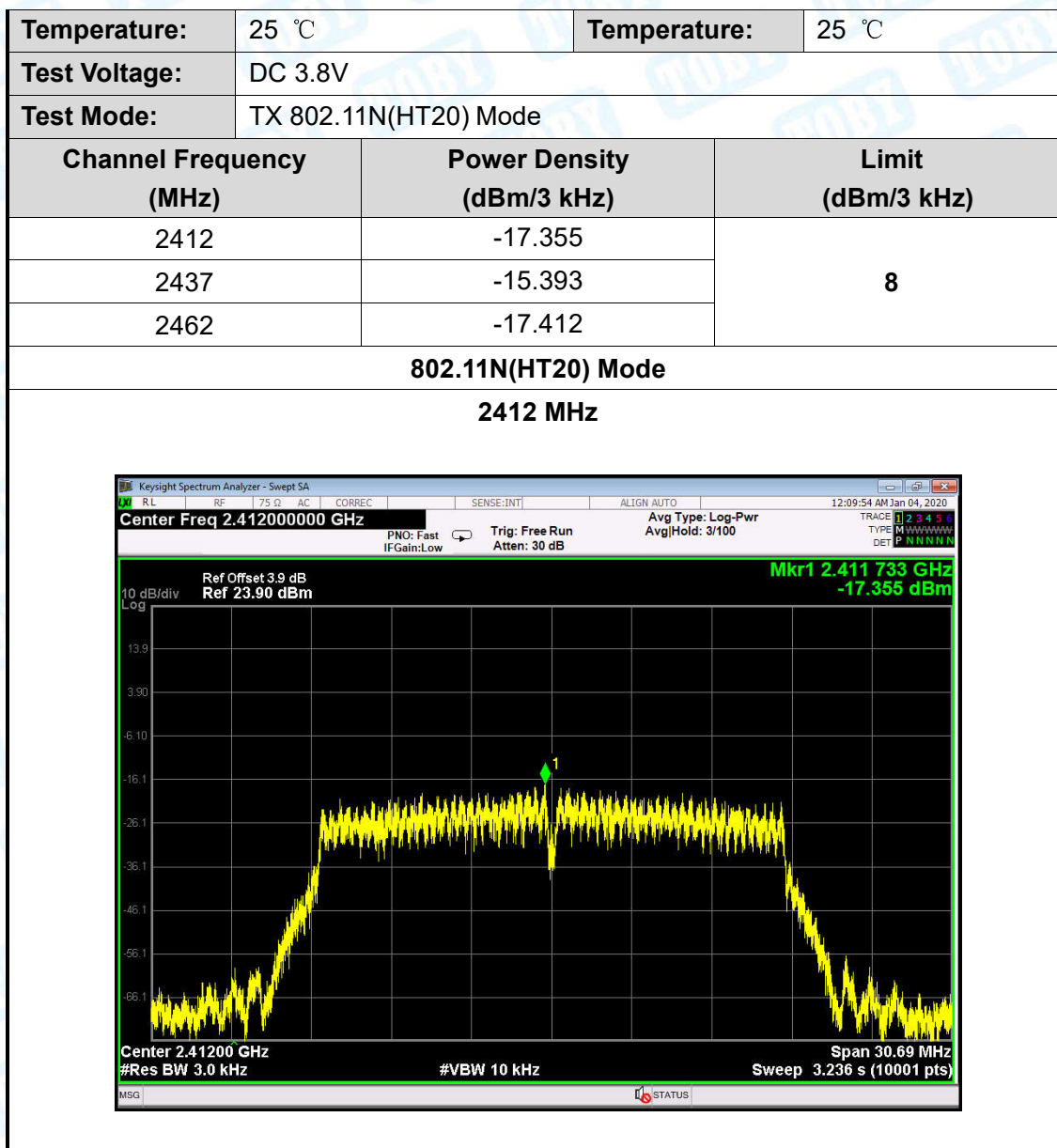
2437 MHz



802.11G Mode

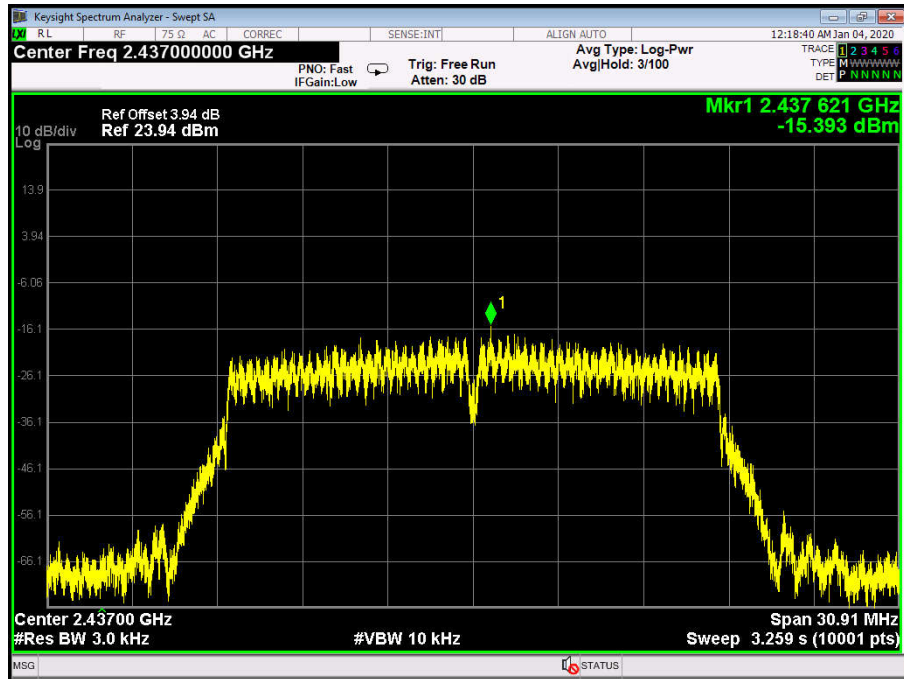
2462 MHz





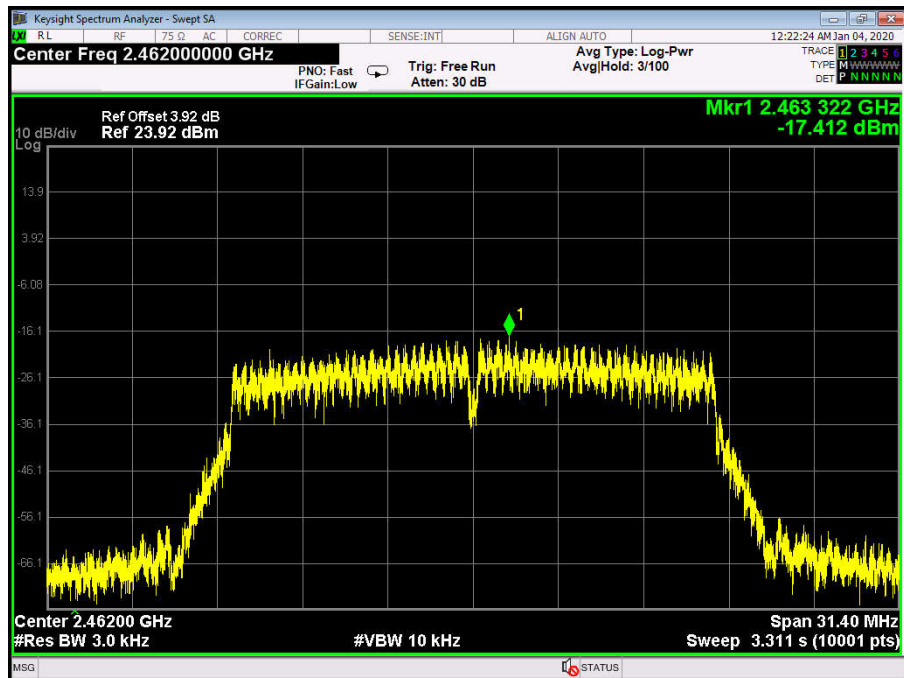
802.11N(HT20) Mode

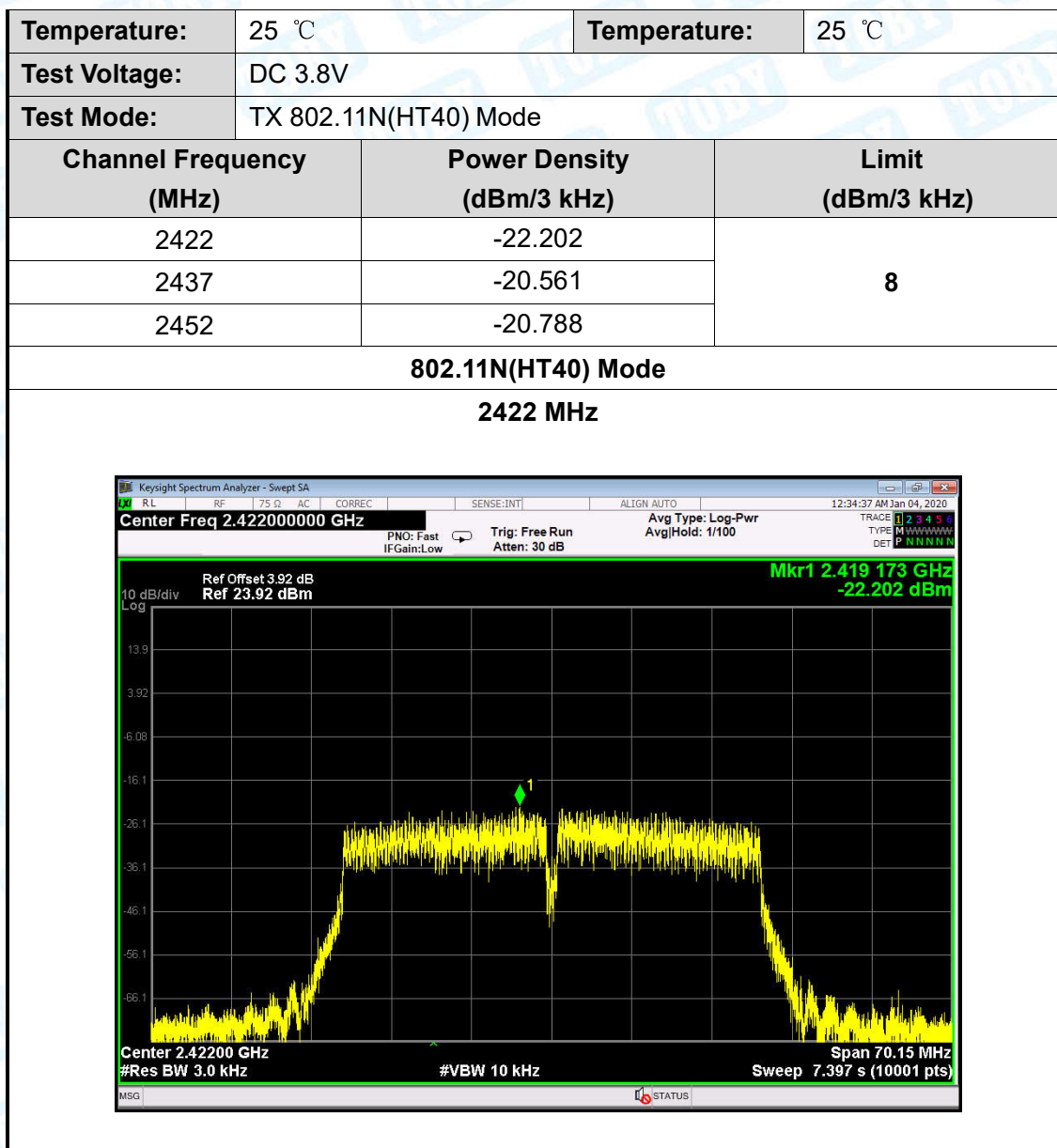
2437 MHz



802.11N(HT20) Mode

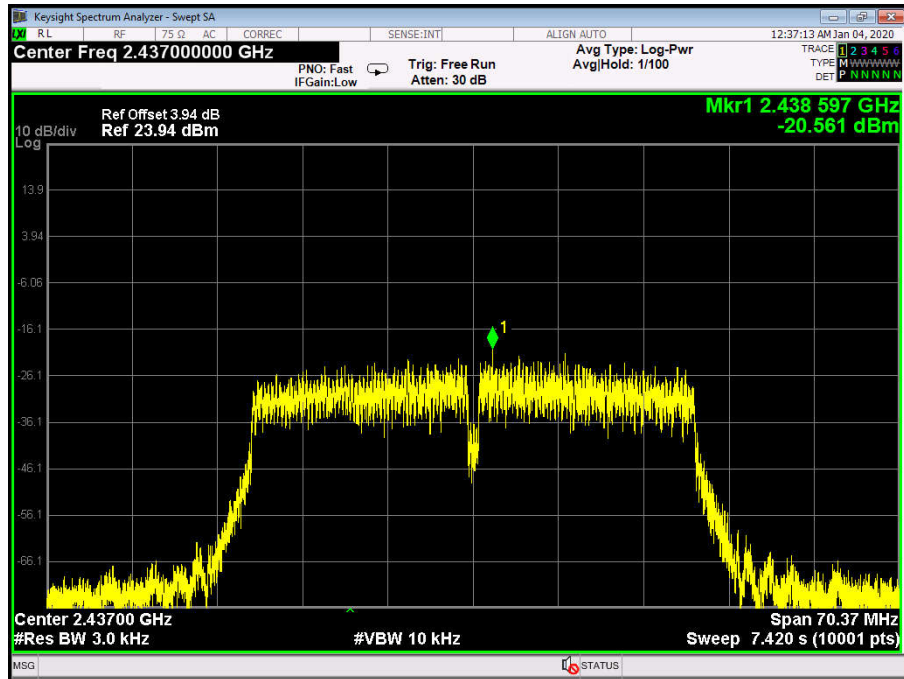
2462 MHz





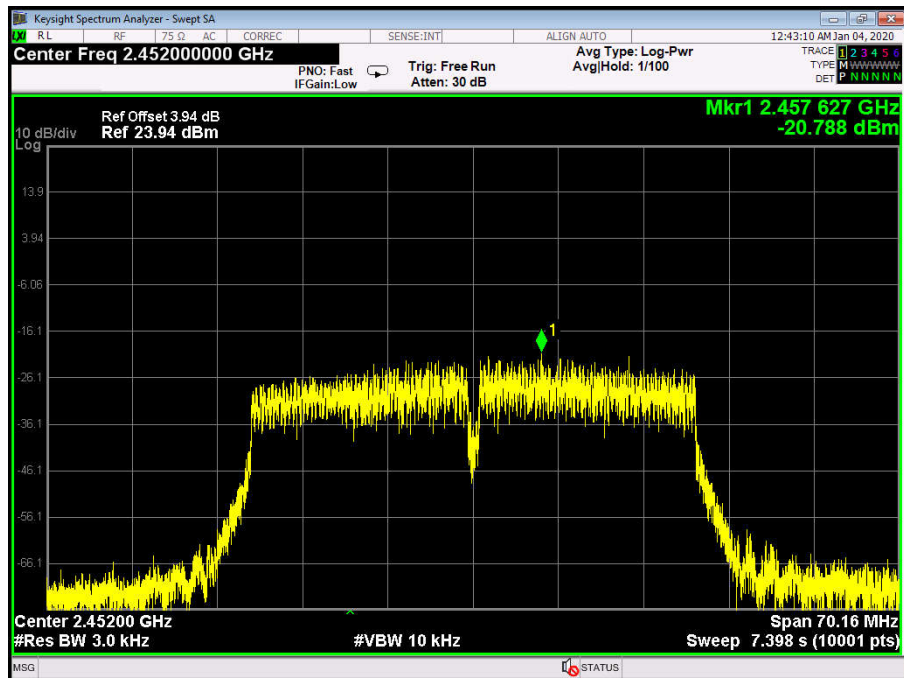
802.11N(HT40) Mode

2437 MHz



802.11N(HT40) Mode

2452 MHz



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