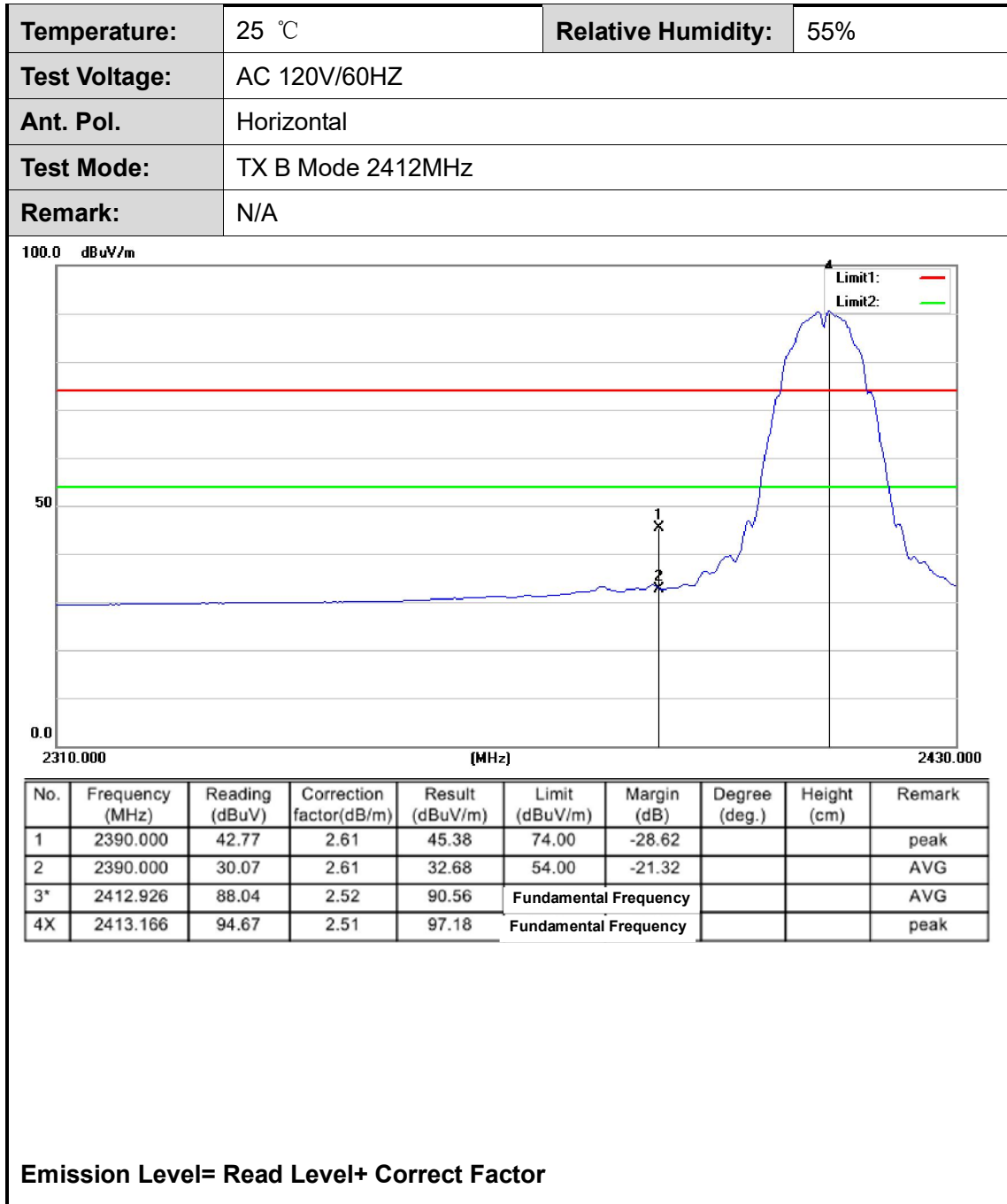
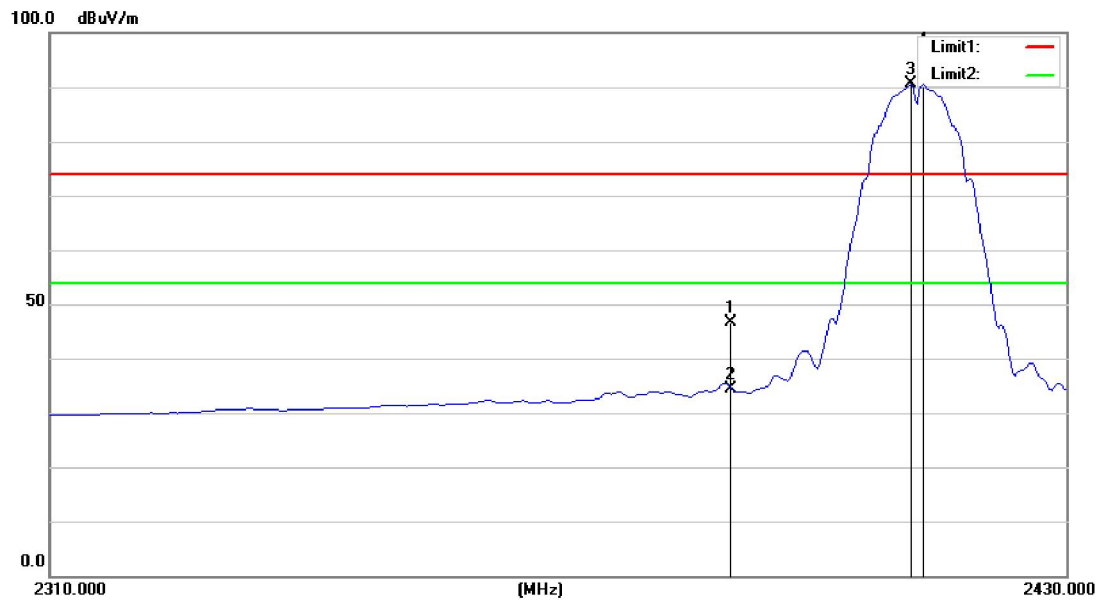


## Attachment C-- Restricted Bands Requirement Test Data

### (1) Radiation Test



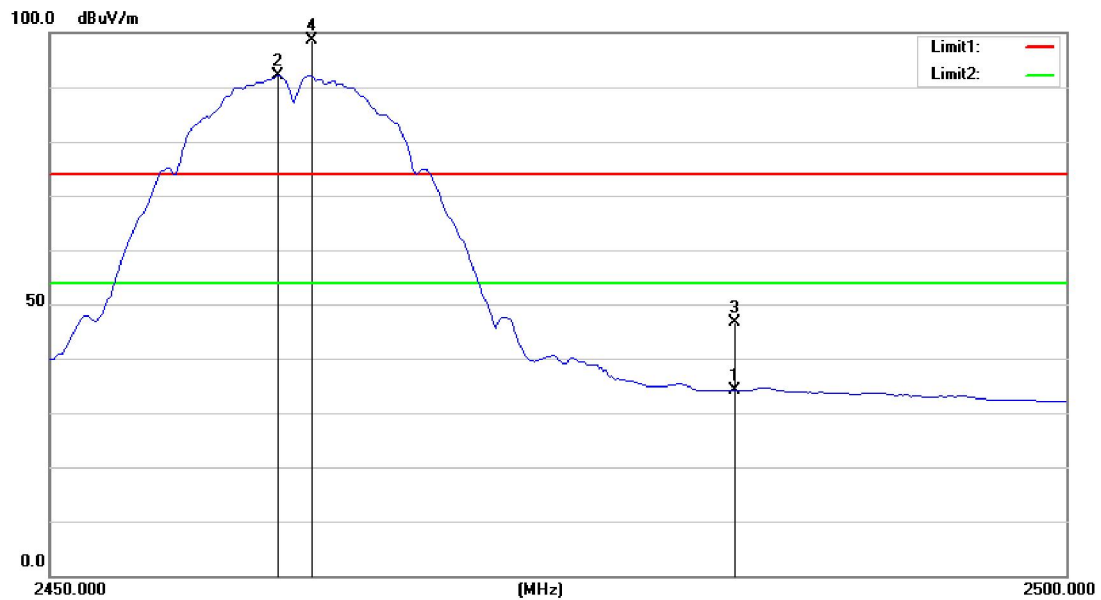
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2390.000	43.97	2.61	46.58	74.00	-27.42			peak
2	2390.000	31.71	2.61	34.32	54.00	-19.68			AVG
3*	2411.483	88.02	2.53	90.55	Fundamental Frequency				AVG
4X	2413.166	93.51	2.51	96.02	Fundamental Frequency				peak

**Emission Level= Read Level+ Correct Factor**

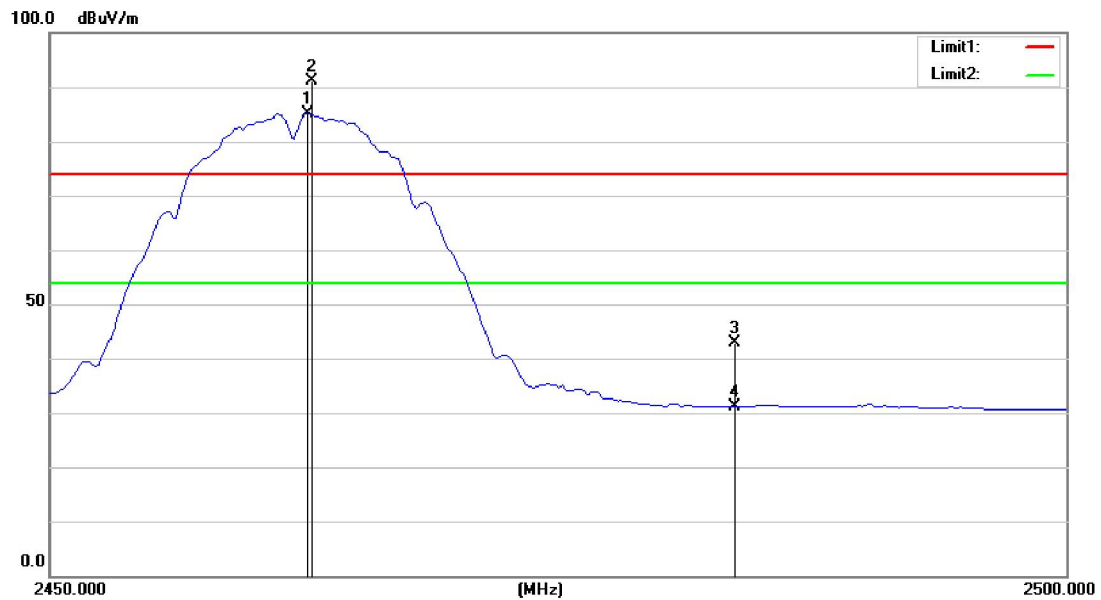
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2483.500	31.55	2.56	34.11	54.00	-19.89			AVG
2*	2461.222	90.02	2.15	92.17	Fundamental Frequency				AVG
3	2483.500	44.05	2.56	46.61	74.00	-27.39			peak
4X	2462.926	96.33	2.19	98.52	Fundamental Frequency				peak

**Emission Level= Read Level+ Correct Factor**

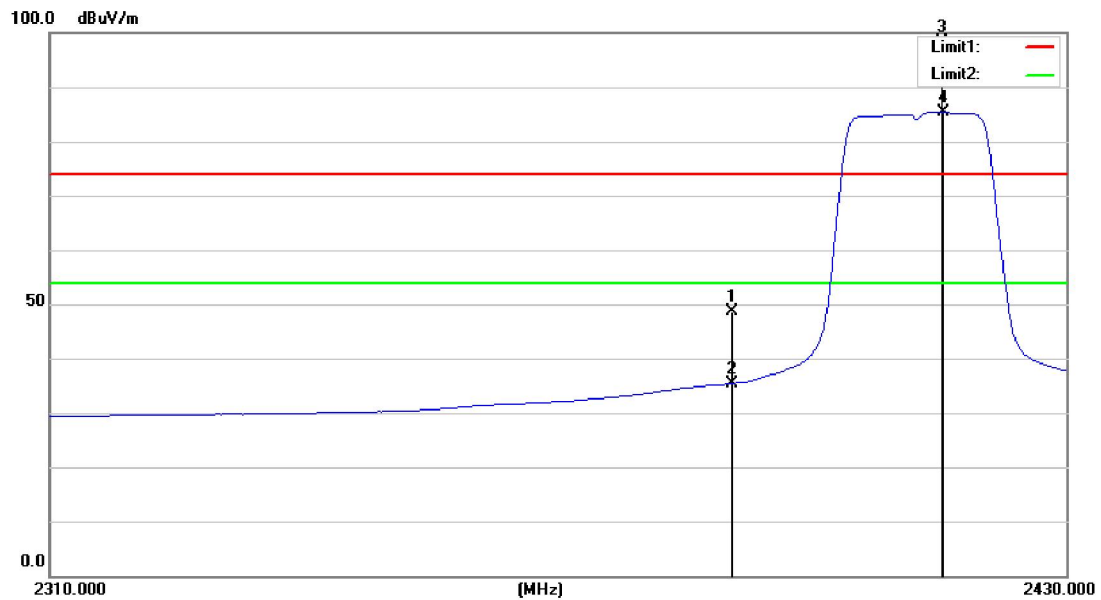
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1*	2462.725	83.02	2.18	85.20	Fundamental Frequency				AVG
2X	2462.926	88.95	2.19	91.14					peak
3	2483.500	40.29	2.56	42.85	74.00	-31.15			peak
4	2483.500	28.62	2.56	31.18	54.00	-22.82			AVG

**Emission Level= Read Level+ Correct Factor**

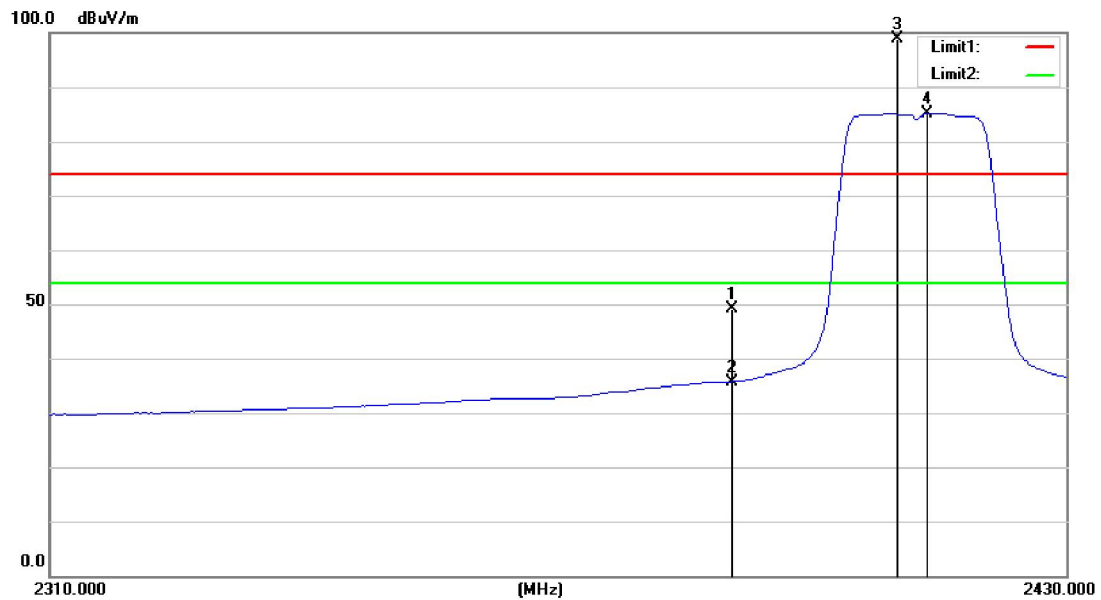
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2390.000	45.98	2.61	48.59	74.00	-25.41			peak
2	2390.000	32.81	2.61	35.42	54.00	-18.58			AVG
3X	2414.850	95.90	2.49	98.39	Fundamental Frequency				peak
4*	2415.331	82.86	2.48	85.34	Fundamental Frequency				AVG

**Emission Level= Read Level+ Correct Factor**

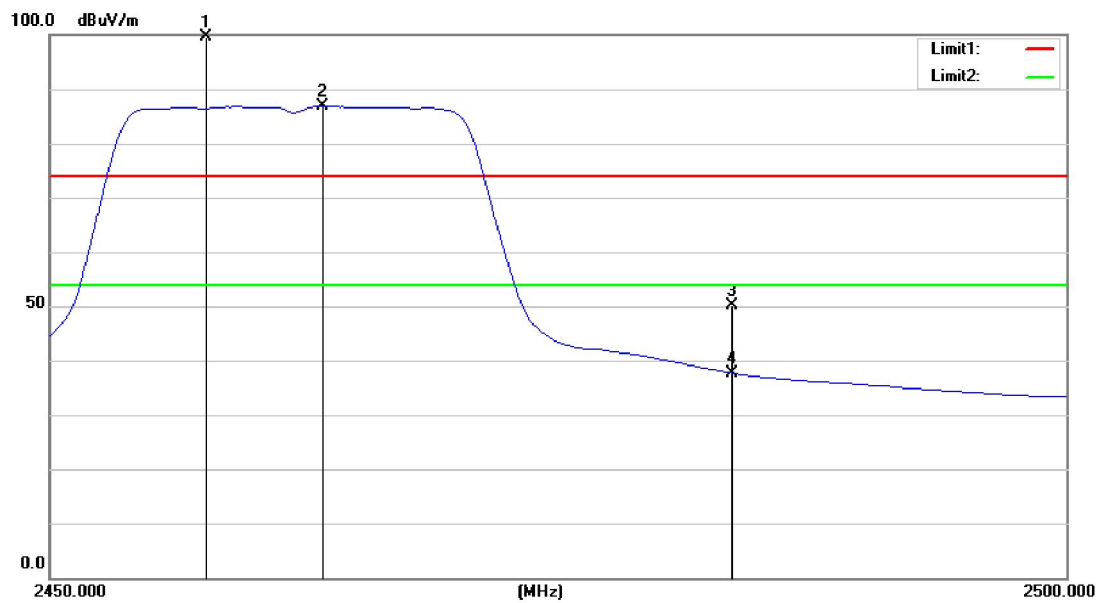
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2390.000	46.60	2.61	49.21	74.00	-24.79			peak
2	2390.000	33.14	2.61	35.75	54.00	-18.25			AVG
3X	2409.800	96.34	2.57	98.91	Fundamental Frequency				peak
4*	2413.407	82.68	2.51	85.19	Fundamental Frequency				AVG

**Emission Level= Read Level+ Correct Factor**

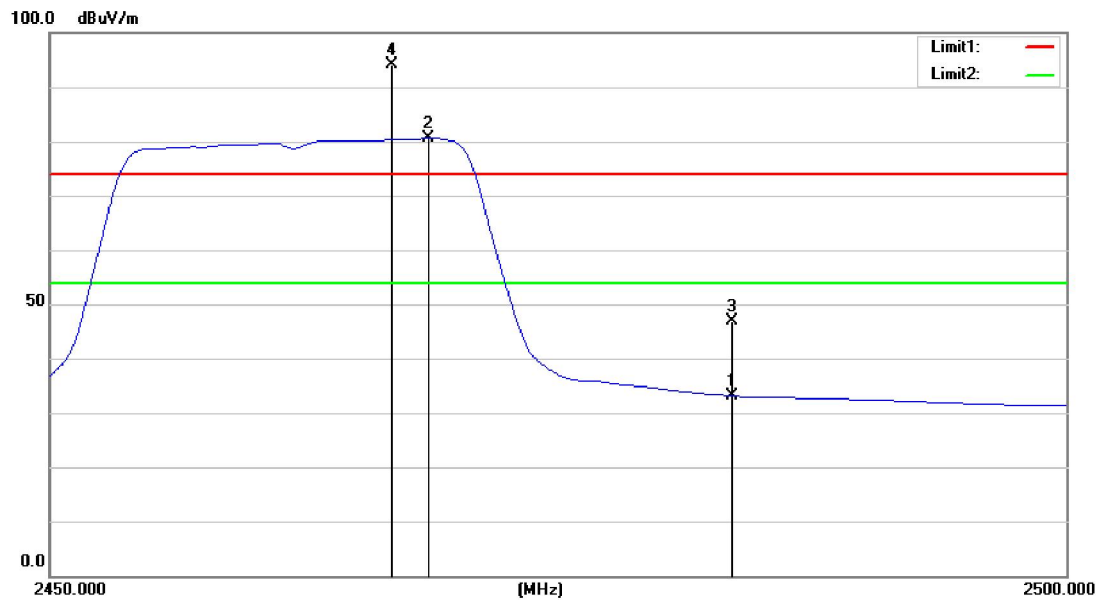
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1*	2457.715	97.64	2.10	99.74	Fundamental Frequency	Fundamental Frequency			peak
2X	2463.427	84.64	2.20	86.84					peak
3	2483.500	47.69	2.56	50.25	54.00	-3.75			AVG
4	2483.500	35.10	2.56	37.66	54.00	-16.34			AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		

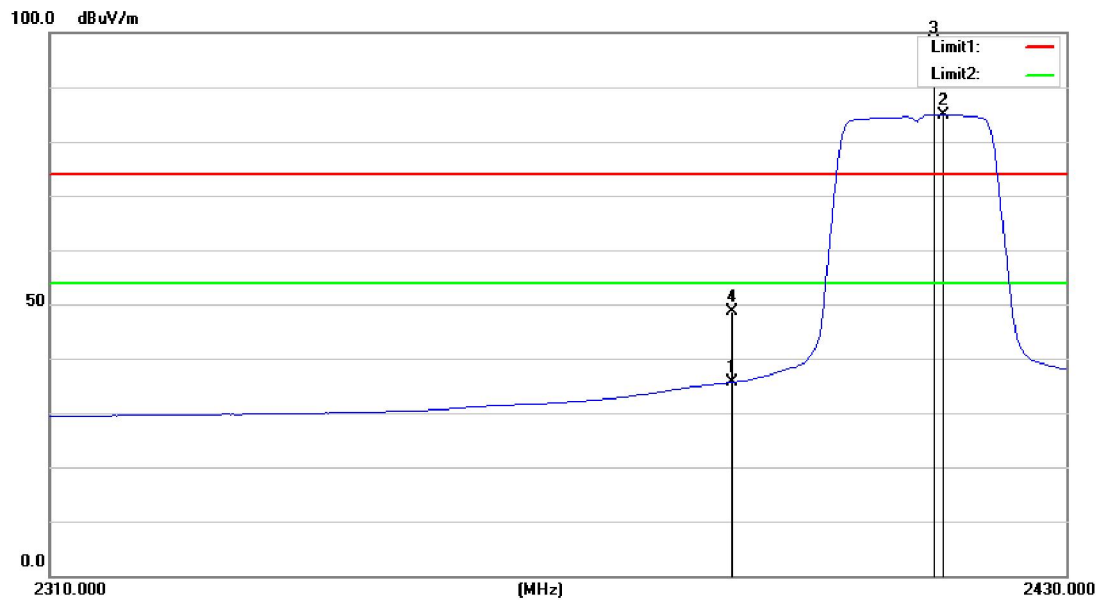


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2483.500	30.52	2.56	33.08	54.00	-20.92			AVG
2X	2468.537	78.32	2.29	80.61	Fundamental Frequency				peak
3	2483.500	44.20	2.56	46.76	54.00	-7.24			AVG
4*	2466.733	91.84	2.25	94.09	Fundamental Frequency				peak

**Emission Level= Read Level+ Correct Factor**



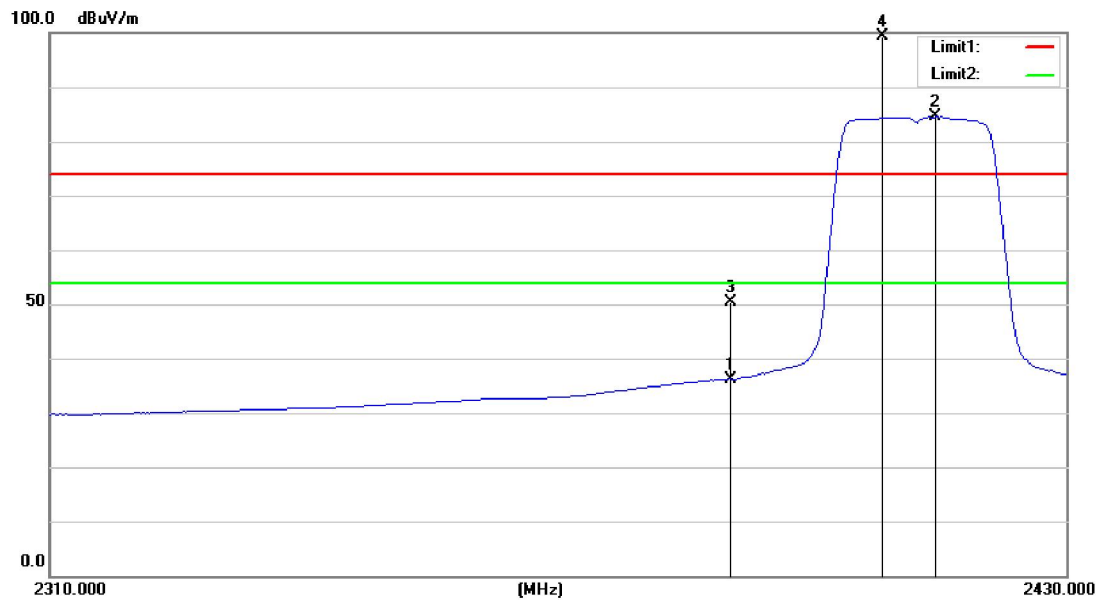
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2412MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2390.000	32.99	2.61	35.60	54.00	-18.40			AVG
2*	2415.331	82.46	2.48	84.94	Fundamental Frequency				AVG
3X	2414.128	95.71	2.50	98.21	Fundamental Frequency				peak
4	2390.000	46.03	2.61	48.64	74.00	-25.36			peak

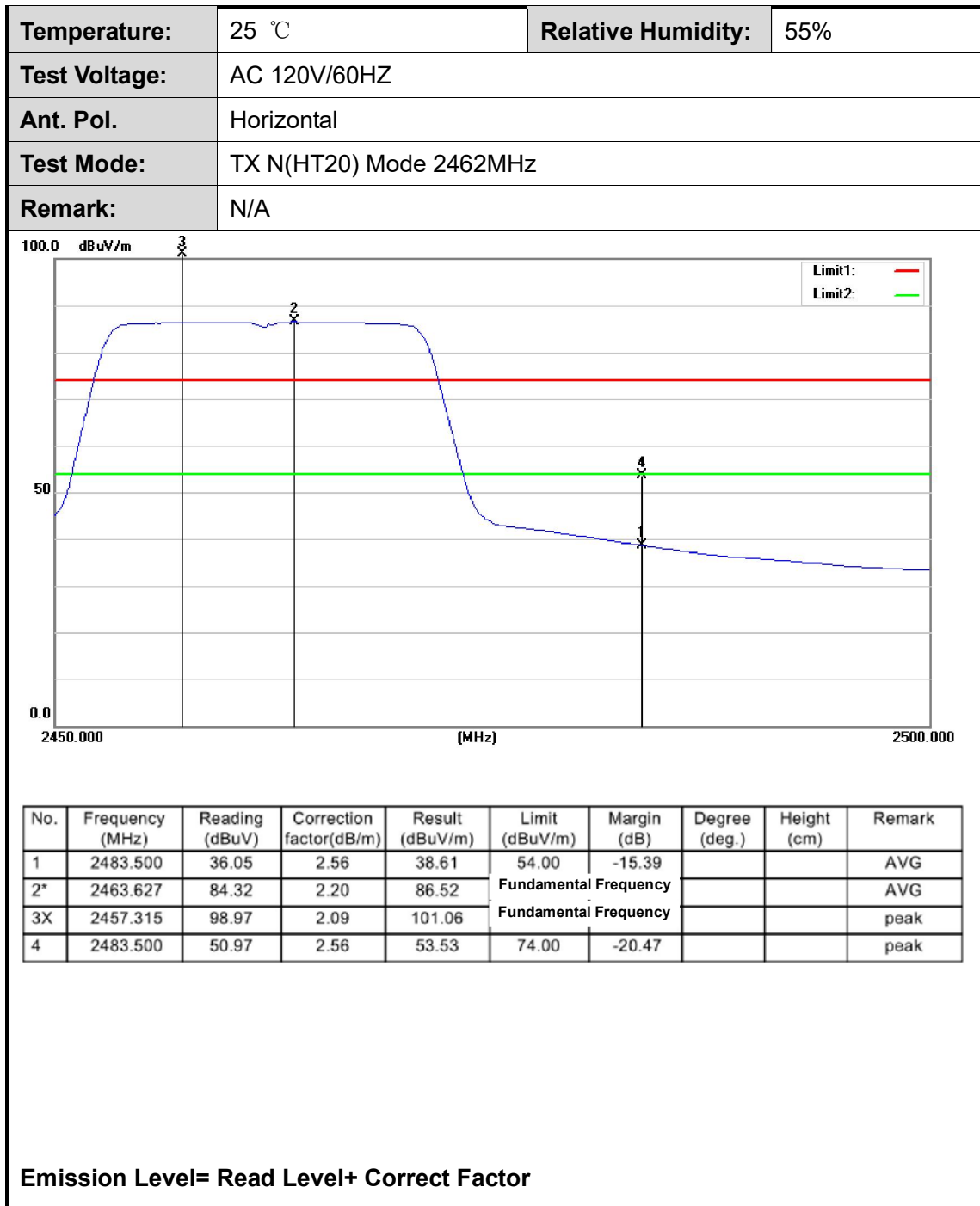
**Emission Level= Read Level+ Correct Factor**

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2412MHz		
Remark:	N/A		

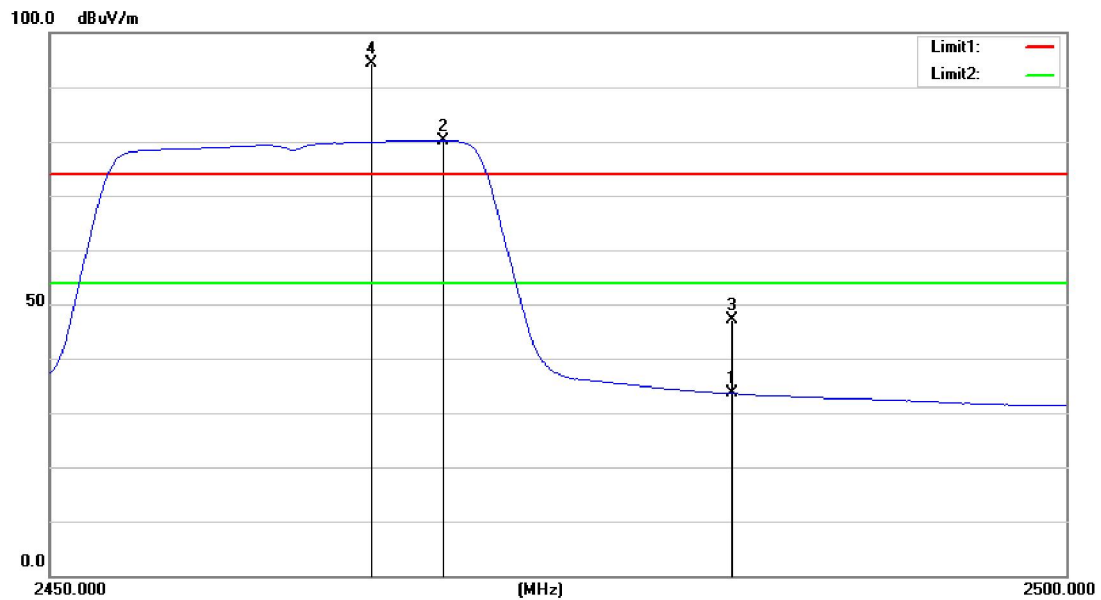


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2390.000	33.64	2.61	36.25	54.00	-17.75			AVG
2*	2414.369	82.04	2.49	84.53	Fundamental Frequency				AVG
3	2390.000	47.87	2.61	50.48	74.00	-23.52			peak
4X	2408.116	96.84	2.59	99.43	Fundamental Frequency				peak

**Emission Level= Read Level+ Correct Factor**



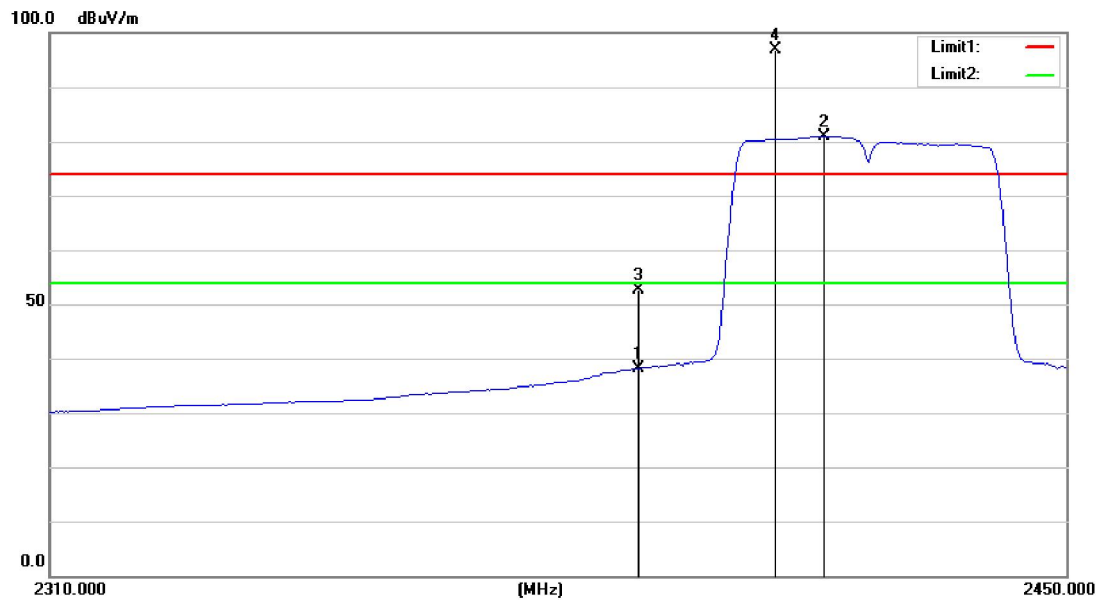
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2483.500	30.97	2.56	33.53	54.00	-20.47			AVG
2*	2469.238	77.91	2.30	80.21	Fundamental Frequency				AVG
3	2483.500	44.67	2.56	47.23	74.00	-26.77			peak
4X	2465.731	92.15	2.24	94.39	Fundamental Frequency				peak

Emission Level= Read Level+ Correct Factor

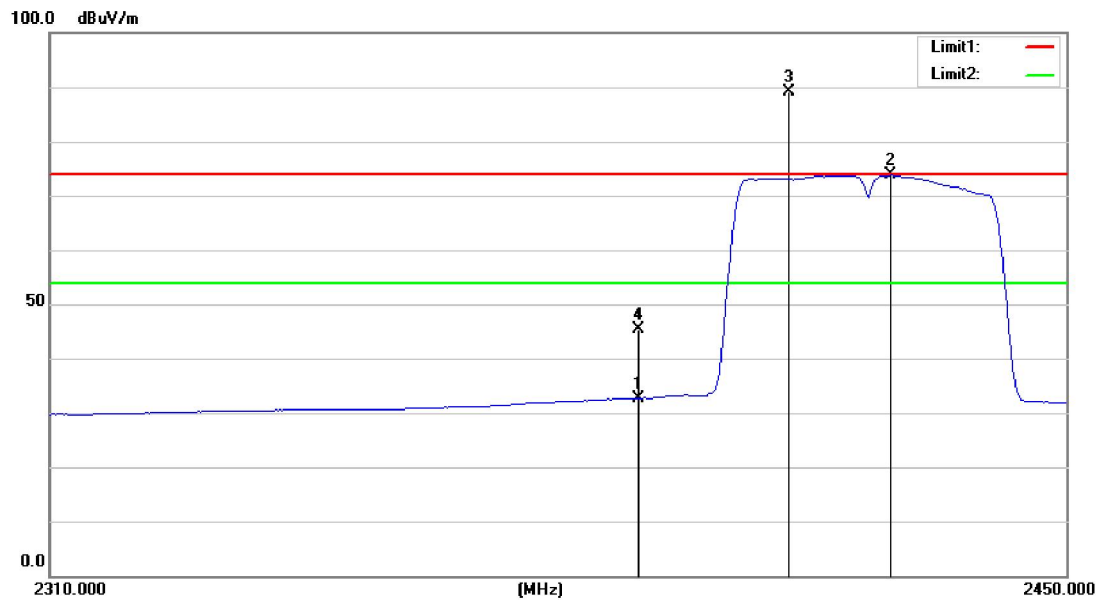
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2390.000	35.55	2.61	38.16	54.00	-15.84			AVG
2*	2416.052	78.51	2.47	80.98	Fundamental Frequency				AVG
3	2390.000	49.91	2.61	52.52	74.00	-21.48			peak
4X	2409.038	94.20	2.58	96.78	Fundamental Frequency				peak

**Emission Level= Read Level+ Correct Factor**

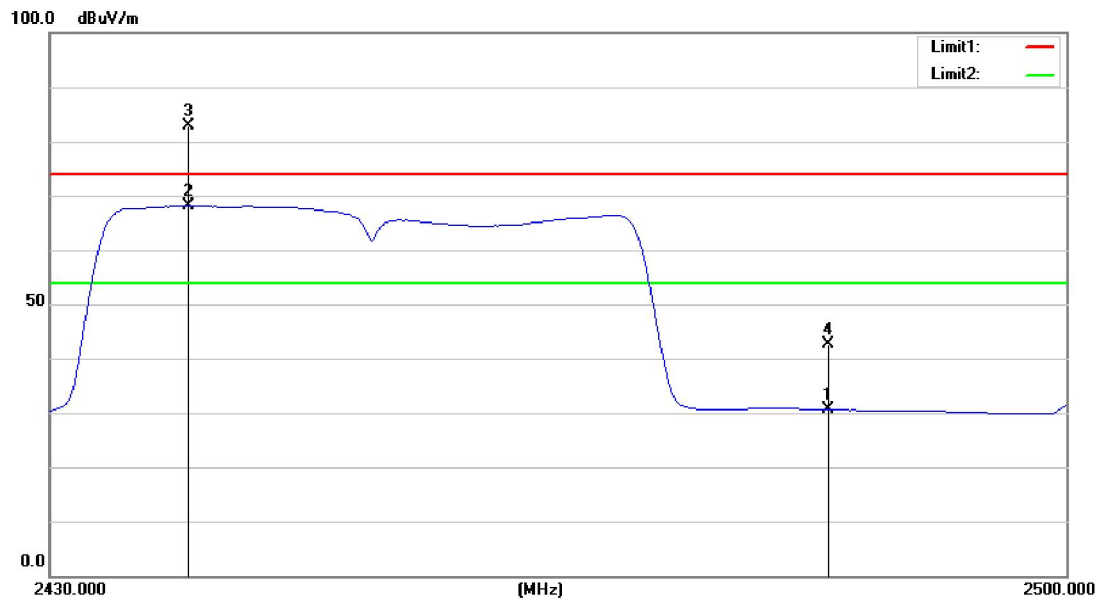
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2390.000	30.08	2.61	32.69	54.00	-21.31			AVG
2*	2425.311	71.44	2.33	73.77	Fundamental Frequency				AVG
3X	2411.283	86.48	2.54	89.02					peak
4	2390.000	42.89	2.61	45.50	74.00	-28.50			peak

**Emission Level= Read Level+ Correct Factor**

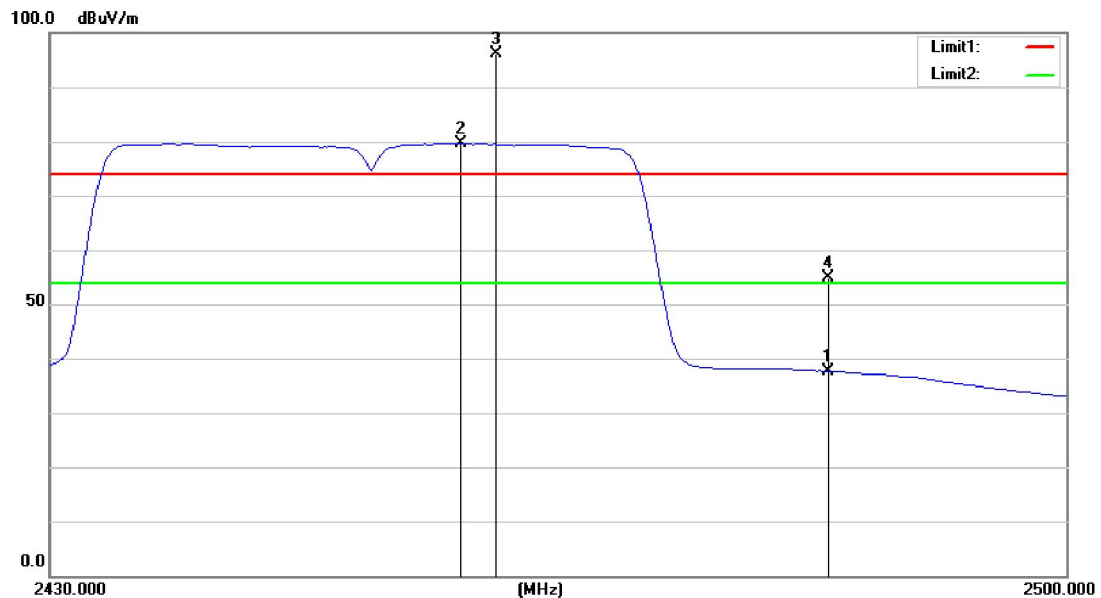
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2452MHz		
Remark:	N/A		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2483.500	28.05	2.56	30.61	54.00	-23.39			AVG
2*	2439.539	66.01	2.12	68.13	Fundamental Frequency				AVG
3X	2439.539	80.84	2.12	82.96					peak
4	2483.500	40.03	2.56	42.59	74.00	-31.41			peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2452MHz		
Remark:	N/A		



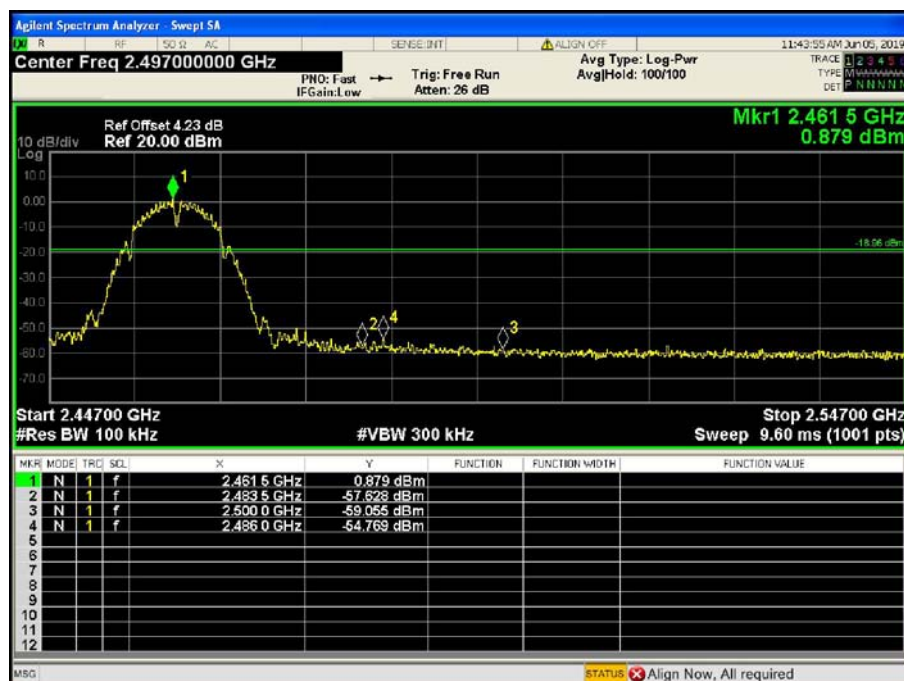
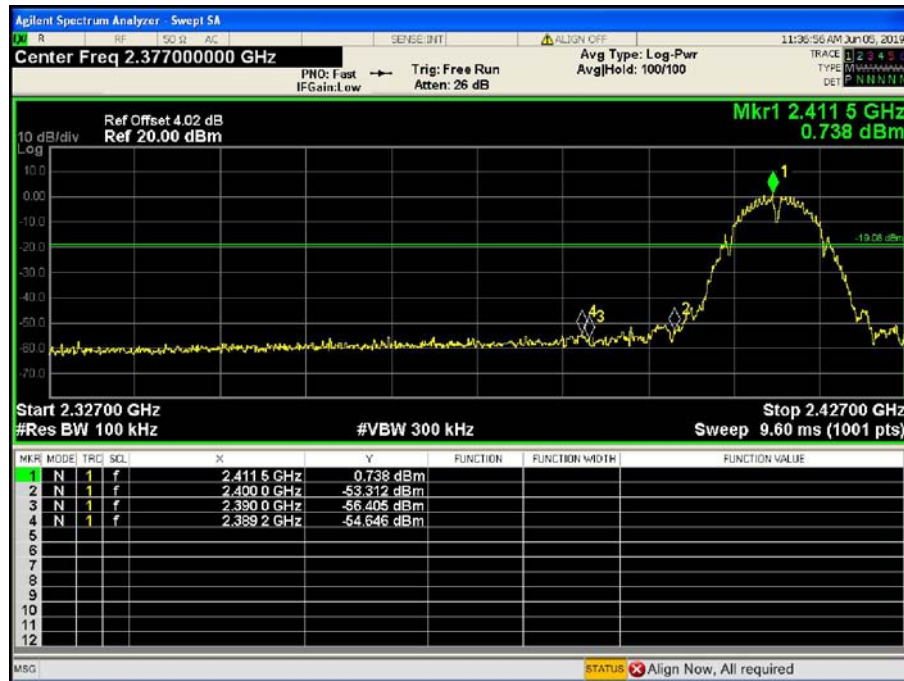
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2483.500	35.08	2.56	37.64	54.00	-16.36			AVG
2*	2458.196	77.51	2.10	79.61	Fundamental Frequency				AVG
3X	2460.581	94.00	2.14	96.14					peak
4	2483.500	52.26	2.56	54.82	74.00	-19.18			peak

**Emission Level= Read Level+ Correct Factor**

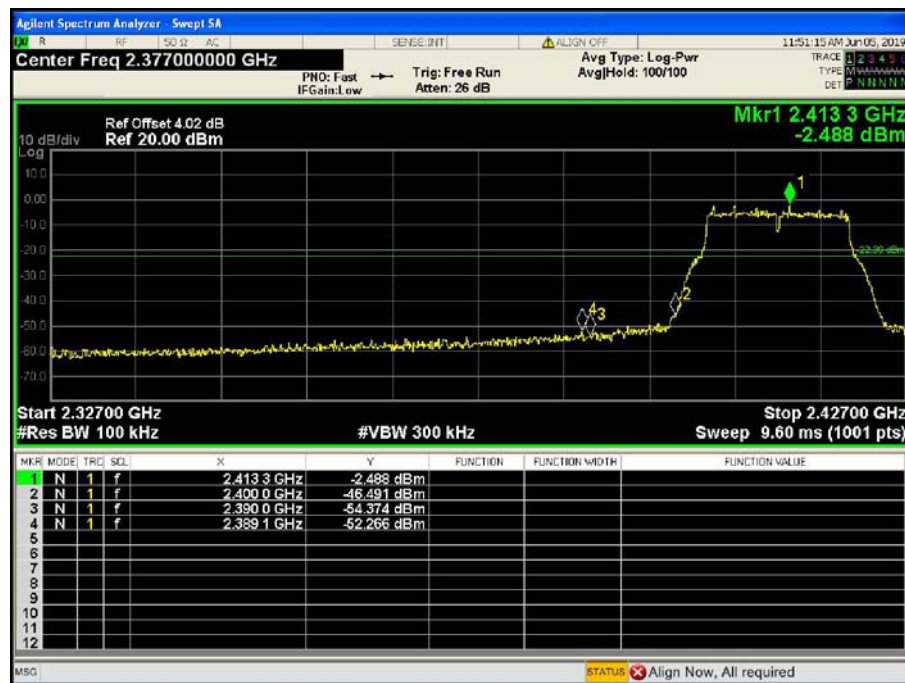


## (2) Conducted Test

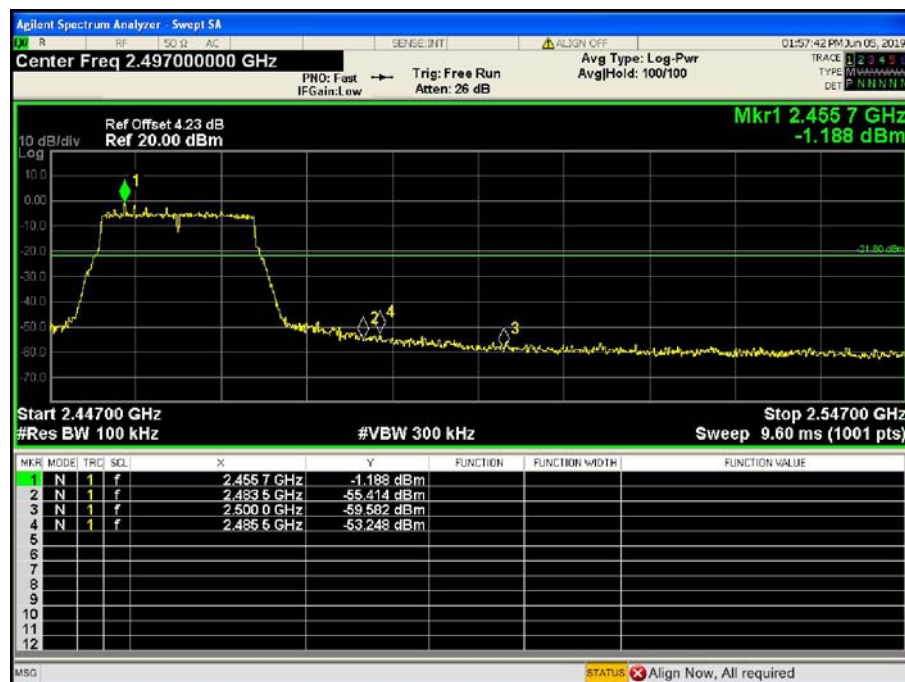
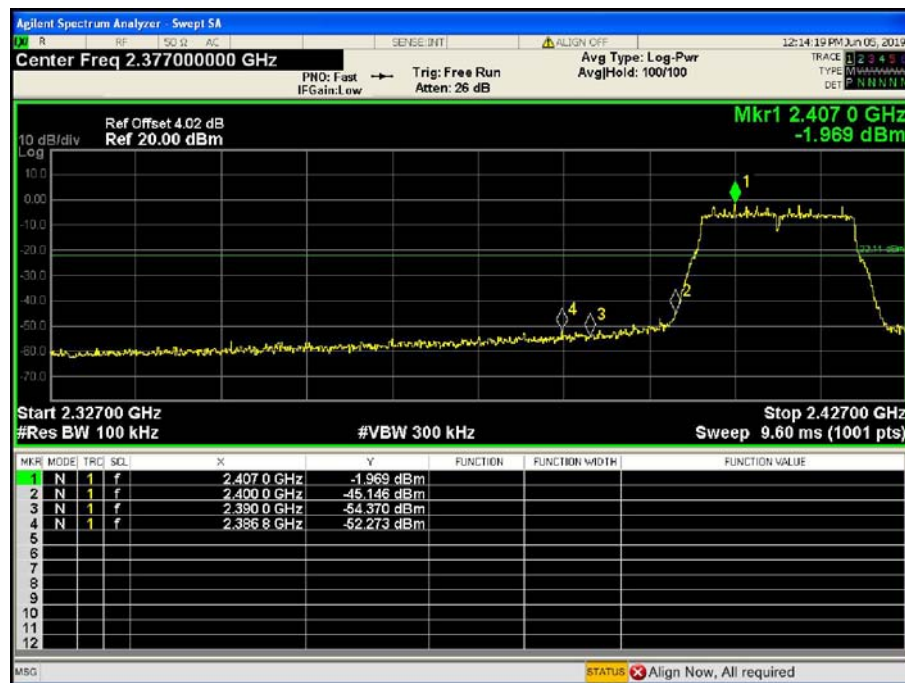
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



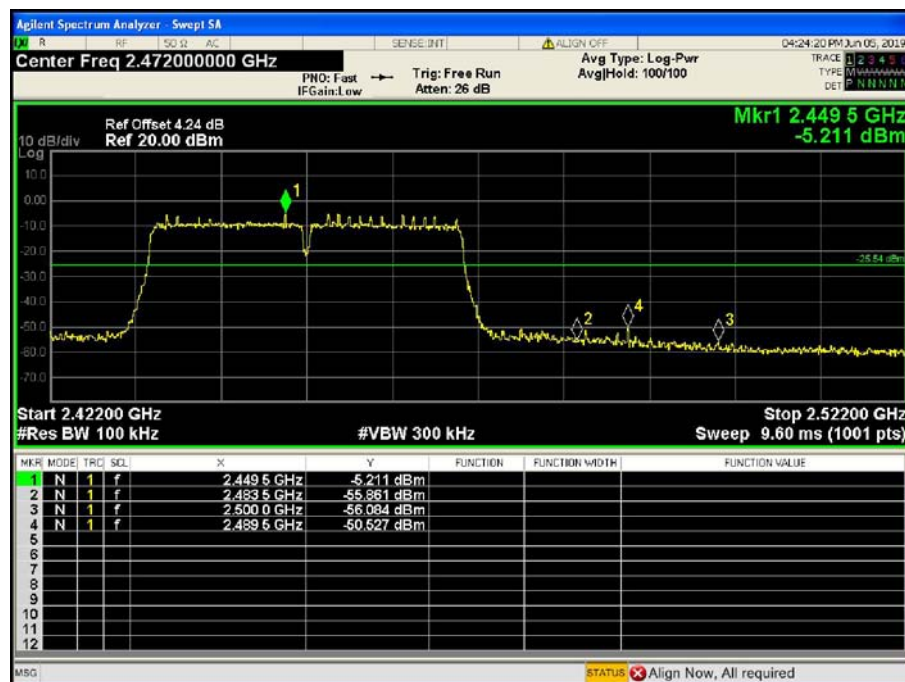
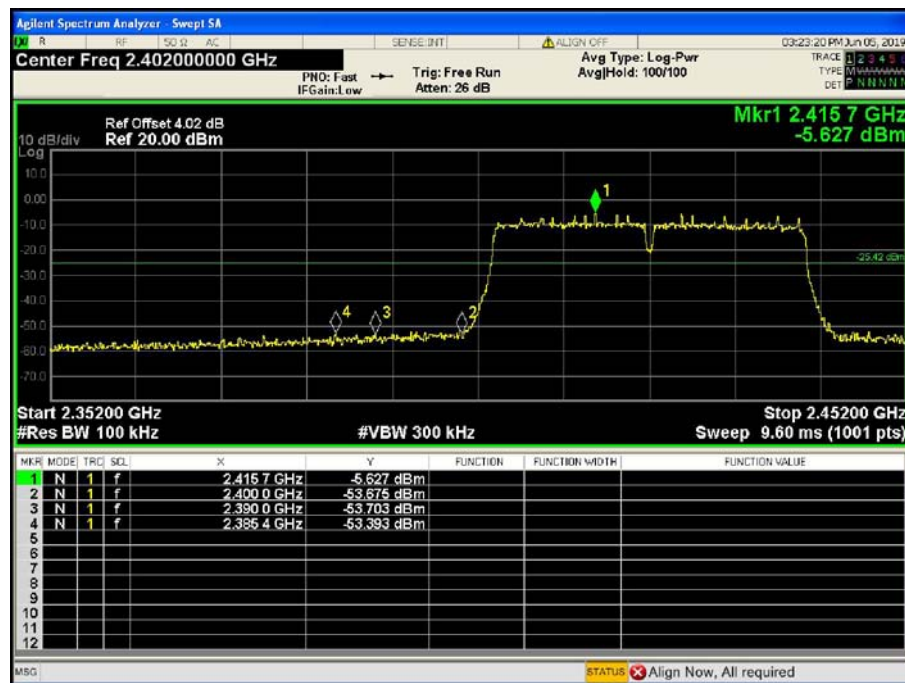
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX G Mode 2412MHz / TX G Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
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:	AC 120V/60HZ		
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:	AC 120V/60HZ		
Test Mode:	TX 802.11B Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	6.3778	10.2961	>=0.5
2437	5.8452	10.2932	
2462	7.0423	10.1950	

802.11B Mode

2412 MHz

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.412000000 GHz

Center Freq: 2.412000000 GHz

Trig: Free Run

Avg/Hold: 10/10

Radio Std: None

Radio Device: BTS

Ref Offset 4.02 dB

Ref 24.02 dBm

10 dB/div

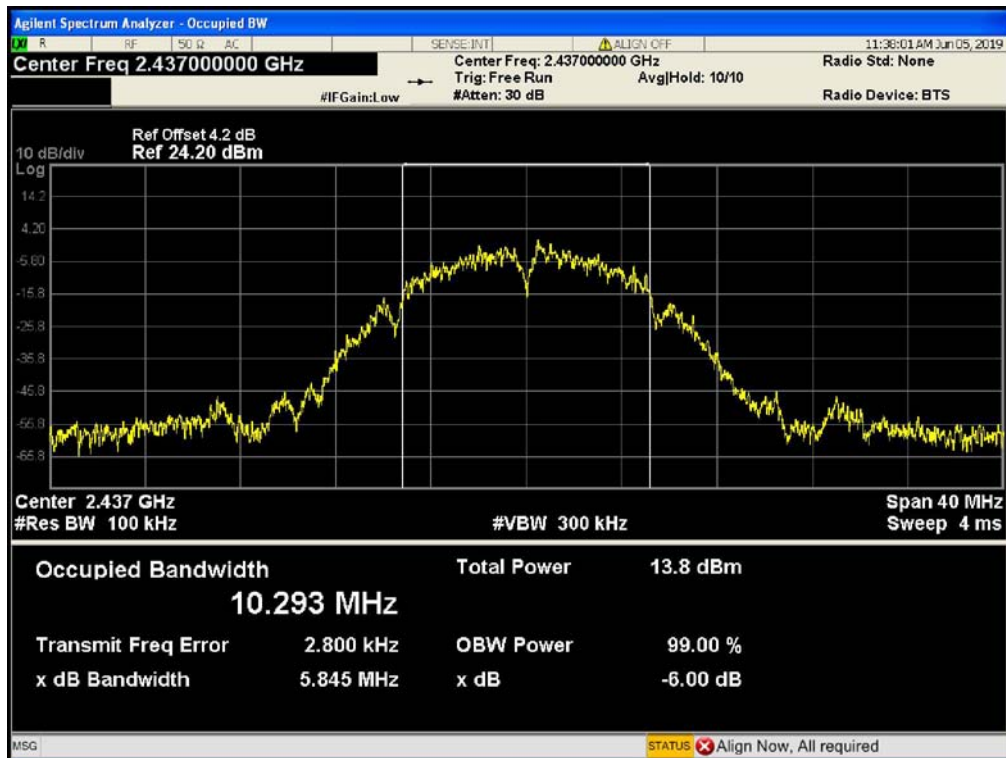
Log

<



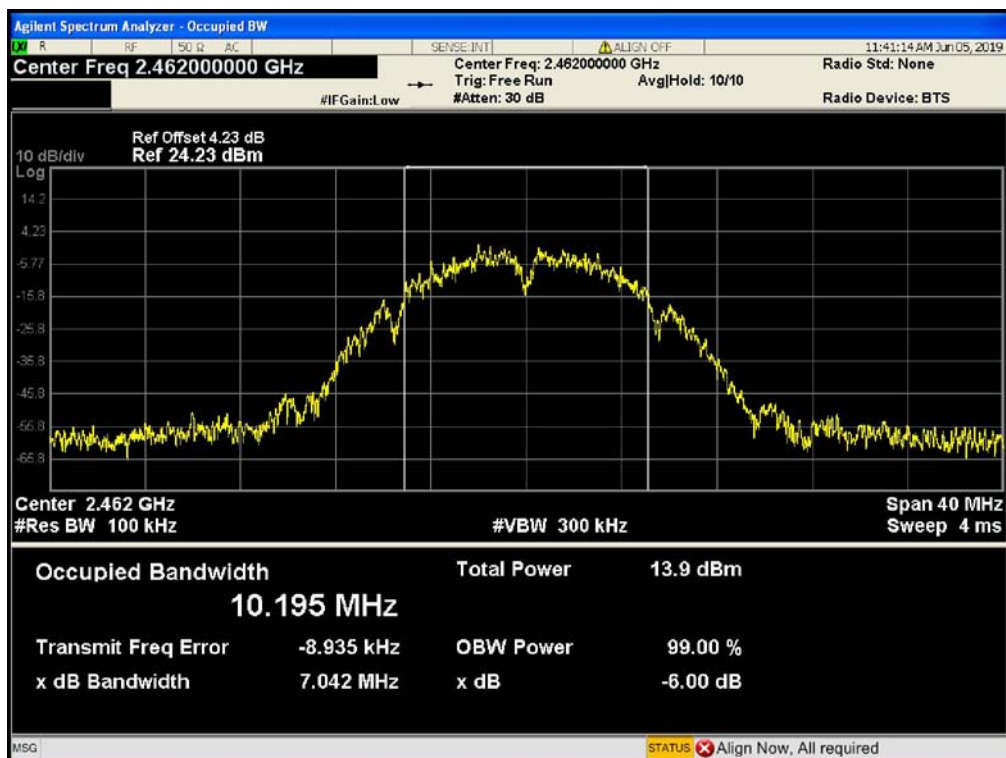
**802.11B Mode**

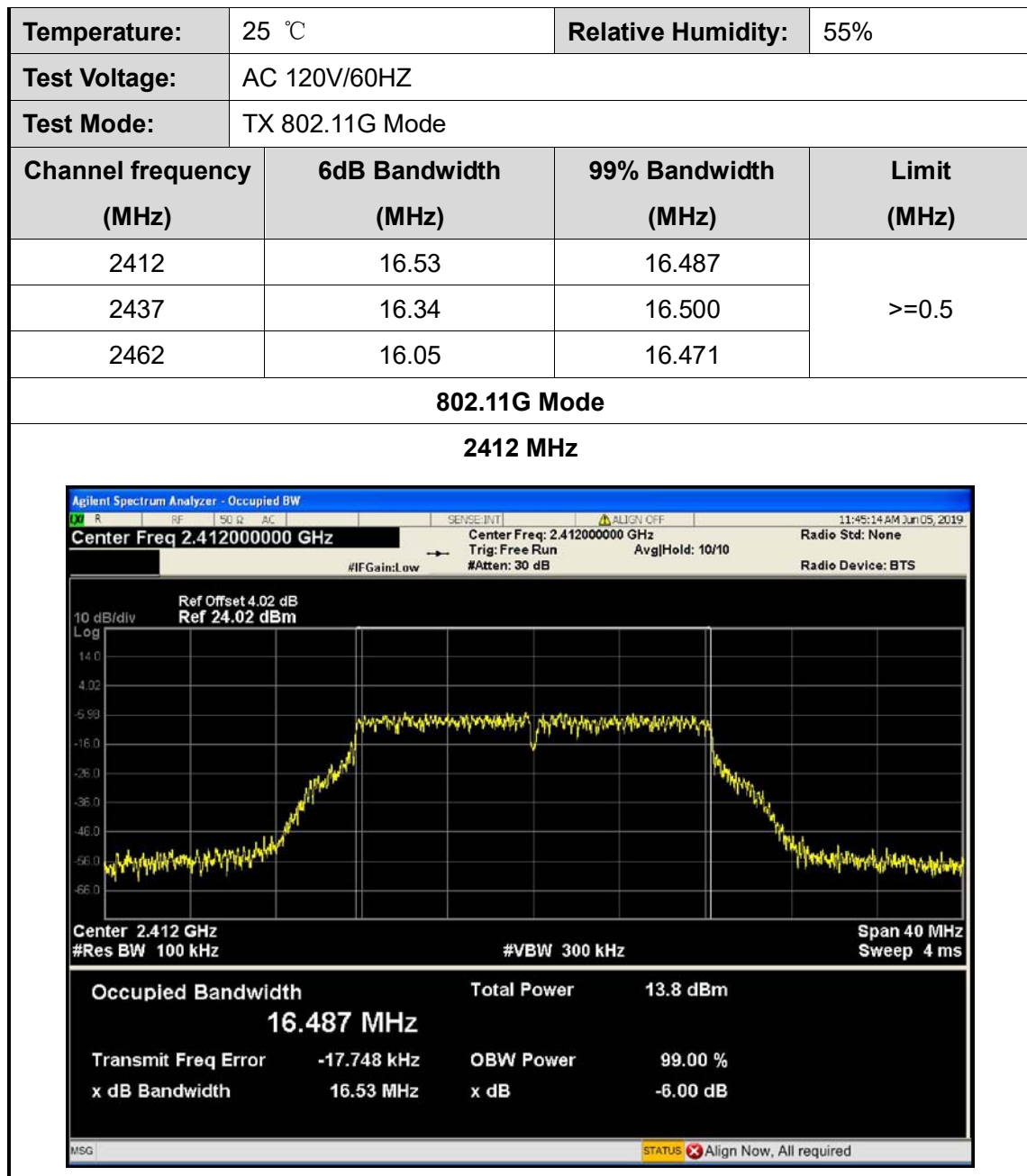
**2437 MHz**



**802.11B Mode**

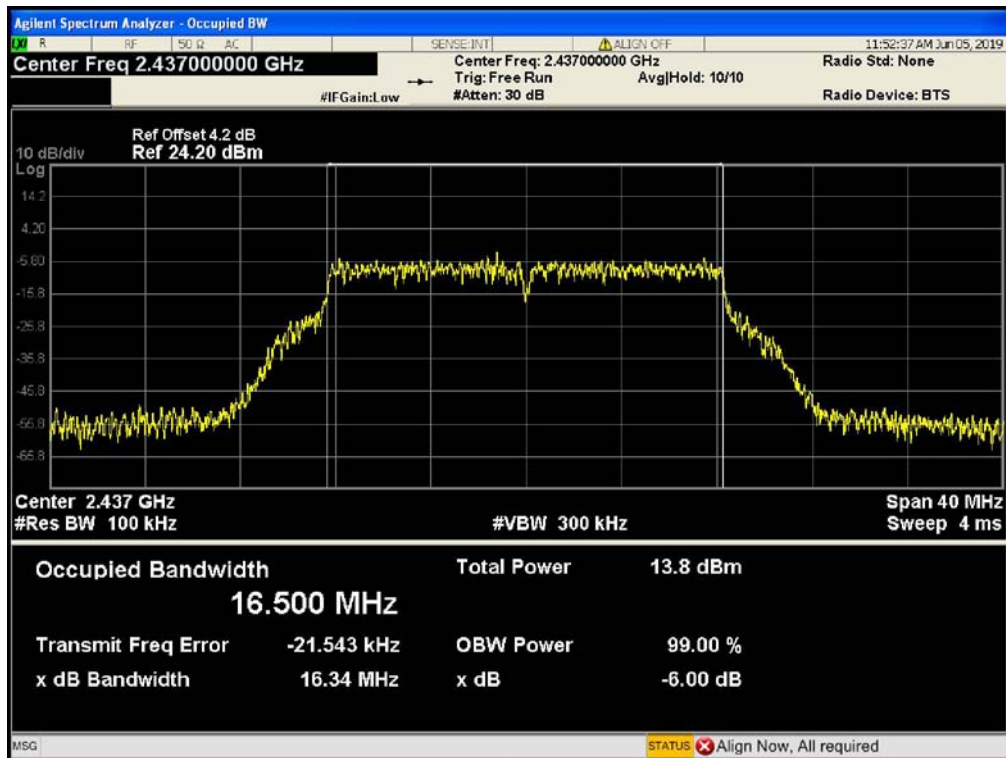
**2462 MHz**





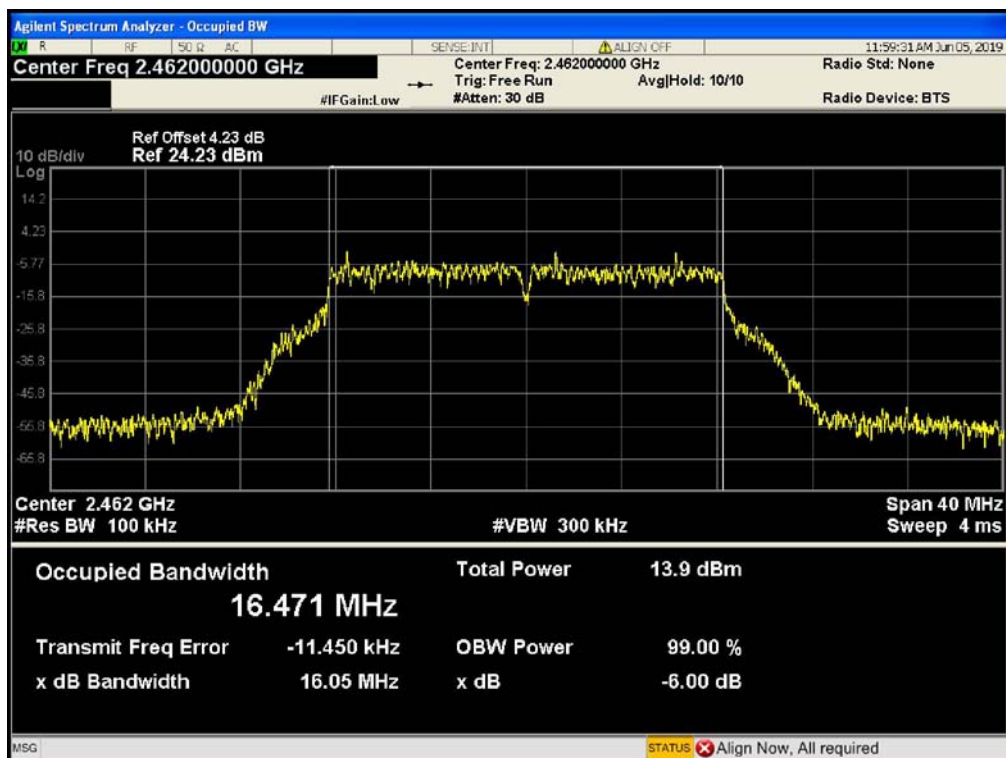
### 802.11G Mode

2437 MHz



### 802.11G Mode

2462 MHz





Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11N(HT20) Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	17.73	17.692	>=0.5
2437	17.48	17.667	
2462	17.82	17.702	

802.11N(HT20) Mode

2412 MHz

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.41200000 GHz

Center Freq: 2.412000000 GHz

Trig: Free Run

#Atten: 30 dB

Radio Std: None

Radio Device: BTS

Ref Offset 4.02 dB

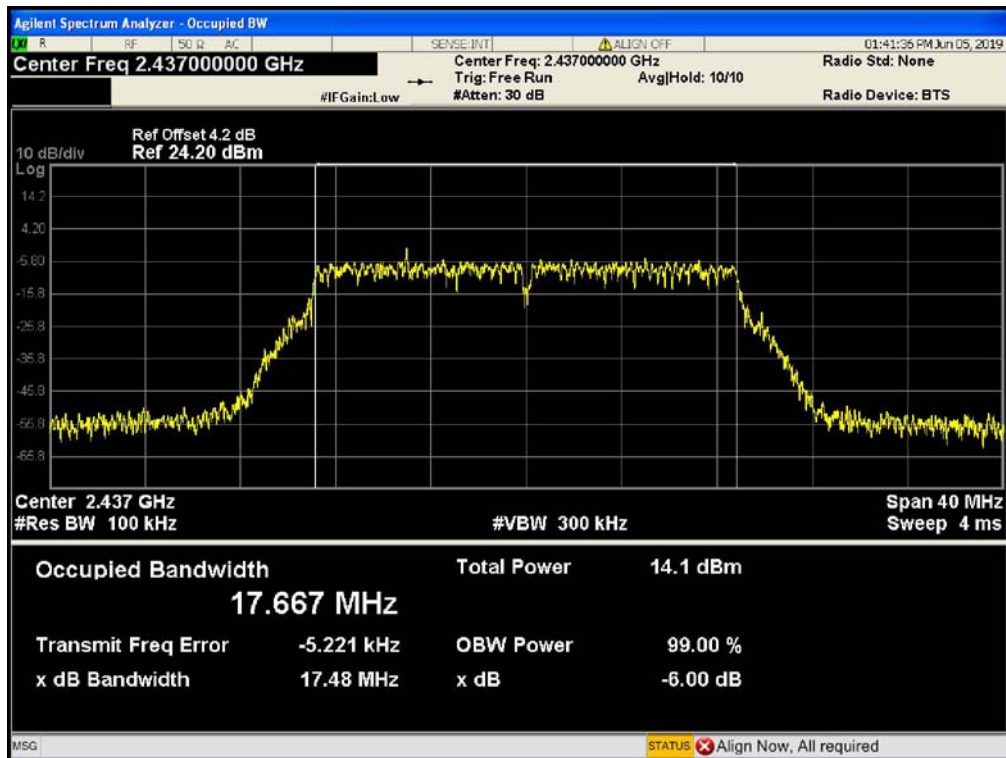
Ref 24.02 dBm

10 dB/div

Log

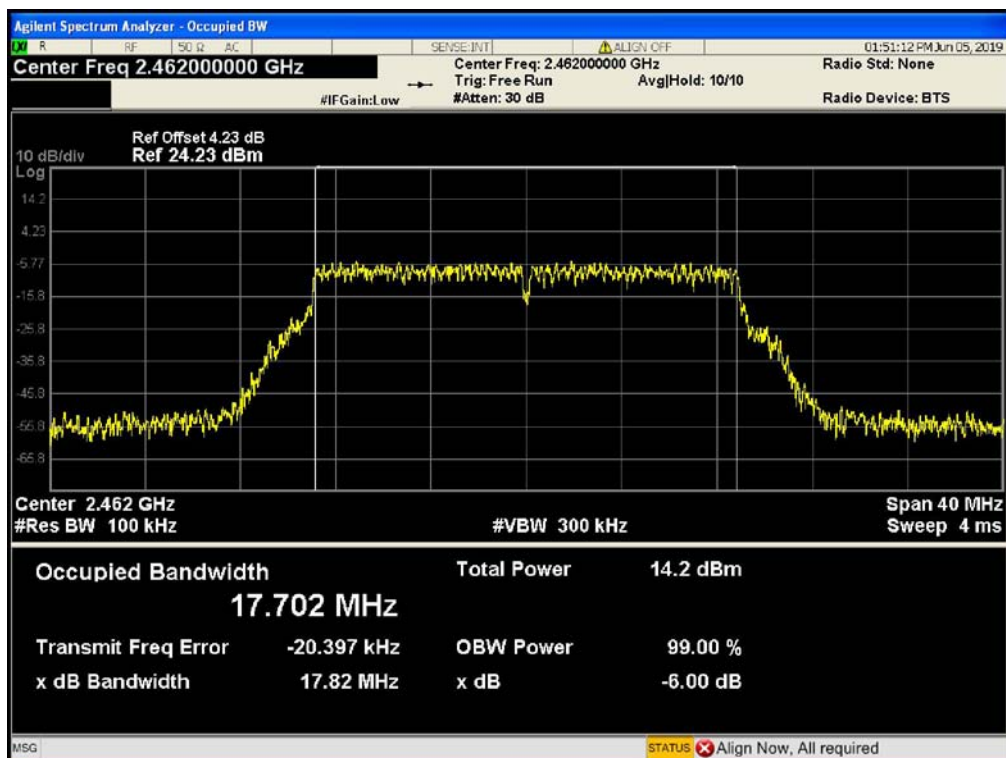
**802.11N(HT20) Mode**

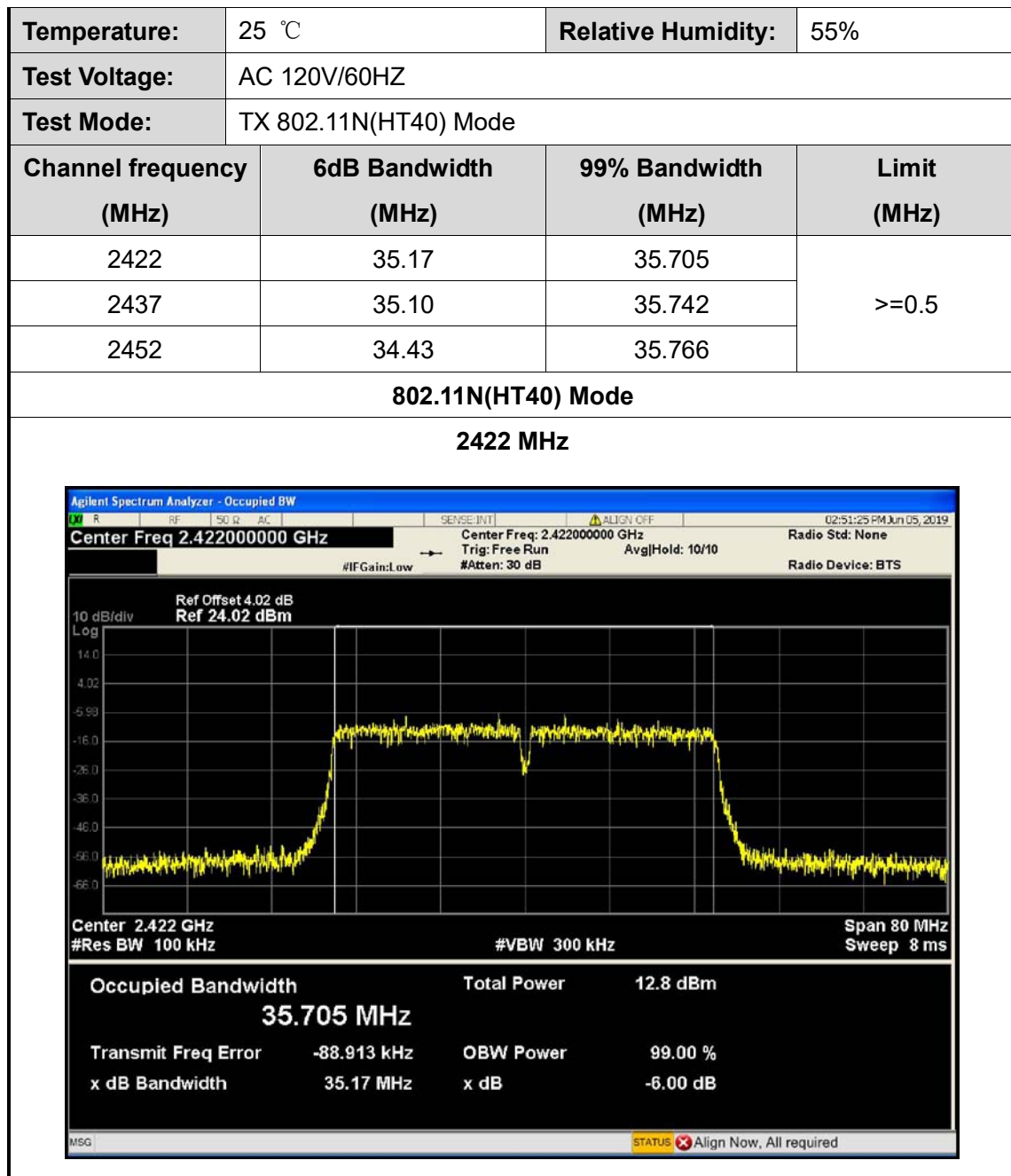
**2437 MHz**



**802.11N(HT20) Mode**

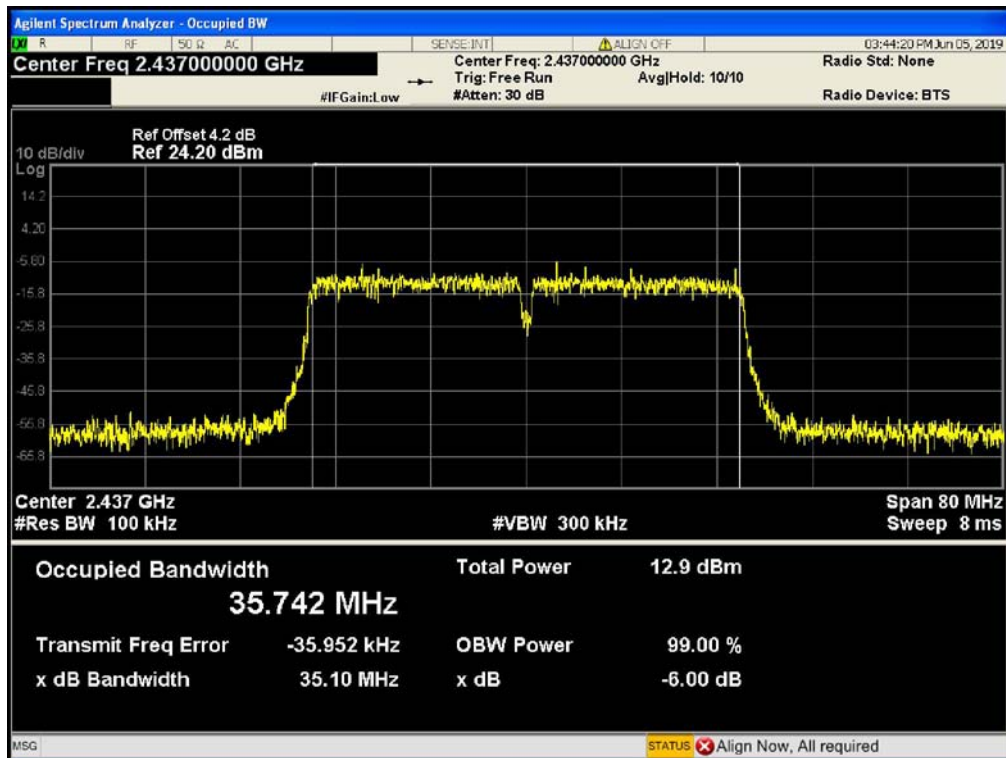
**2462 MHz**





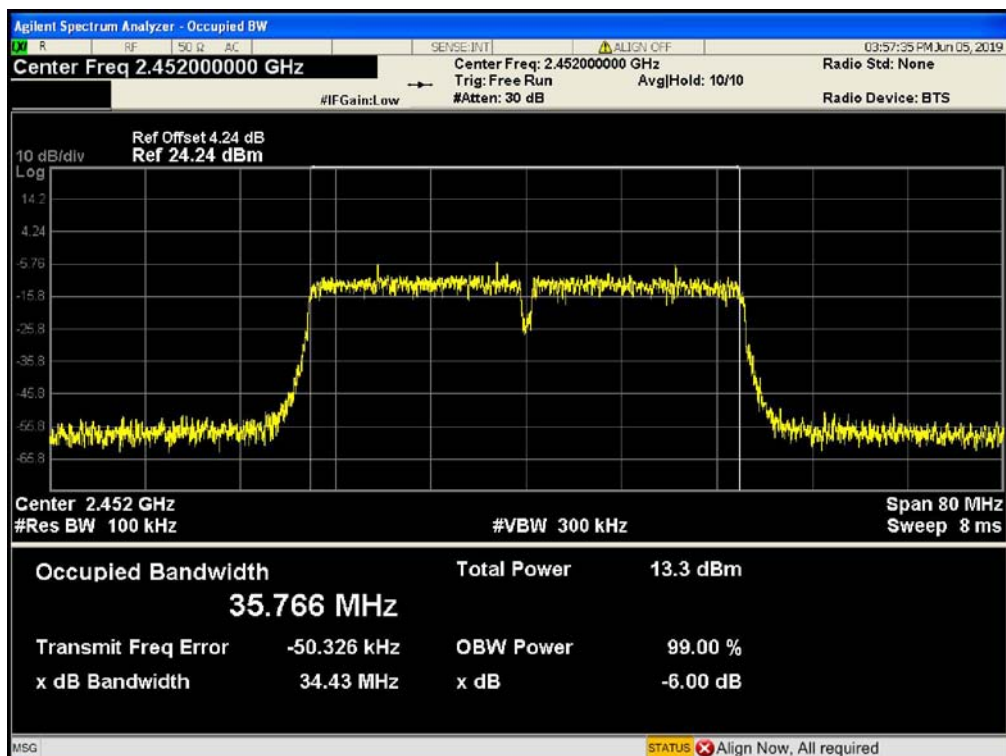
802.11N(HT40) Mode

2437 MHz



802.11N(HT40) Mode

2452 MHz

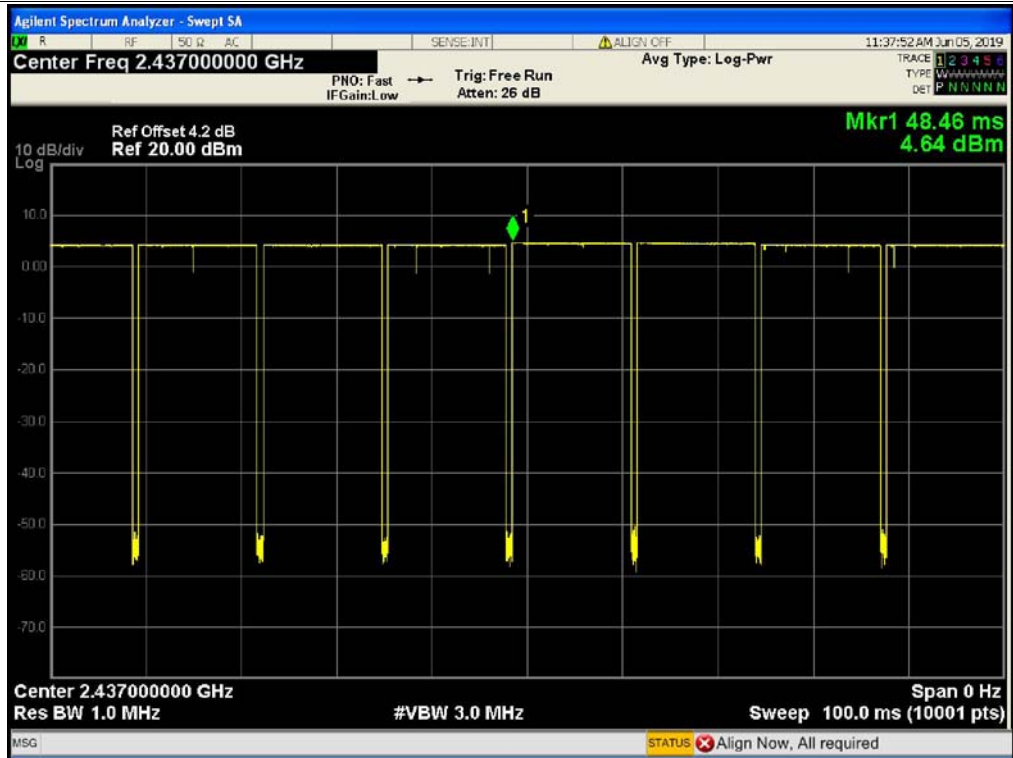


## Attachment E-- Peak Output Power Test Data

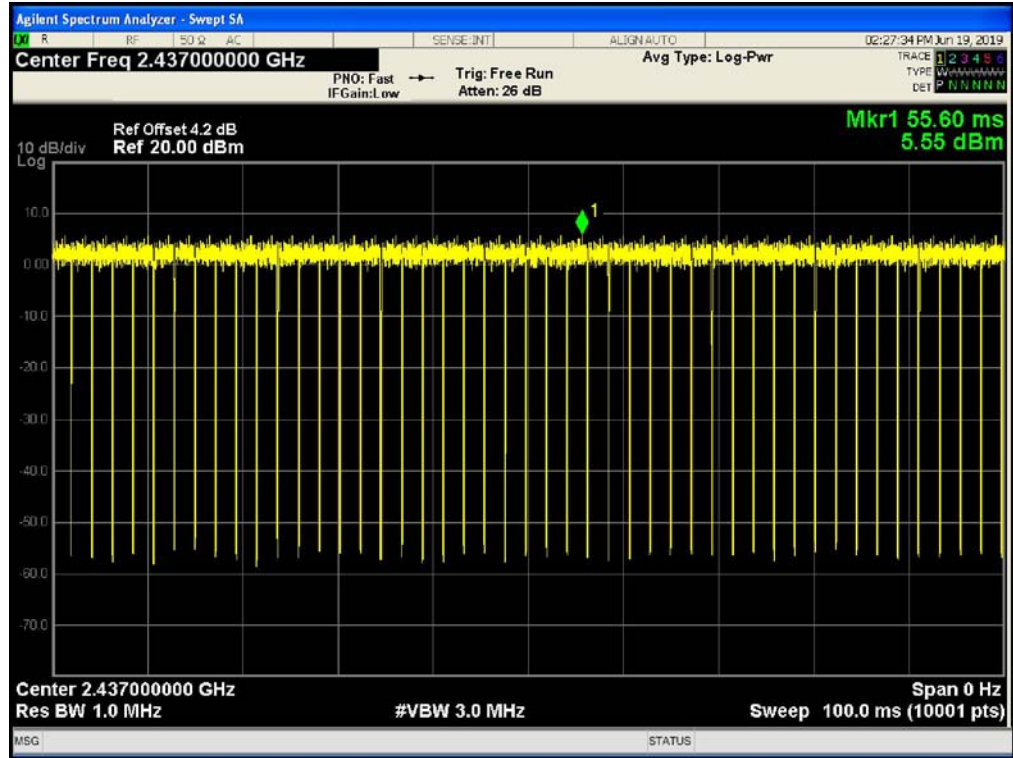
Test Conditions:		Continuous transmitting Mode	
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
802.11b	2412	10.529	30
	2437	10.835	
	2462	10.647	
802.11g	2412	14.332	
	2437	14.360	
	2462	14.463	
802.11n (HT20)	2412	14.262	
	2437	14.546	
	2462	14.776	
802.11n (HT40)	2422	13.226	
	2437	13.225	
	2452	13.680	
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

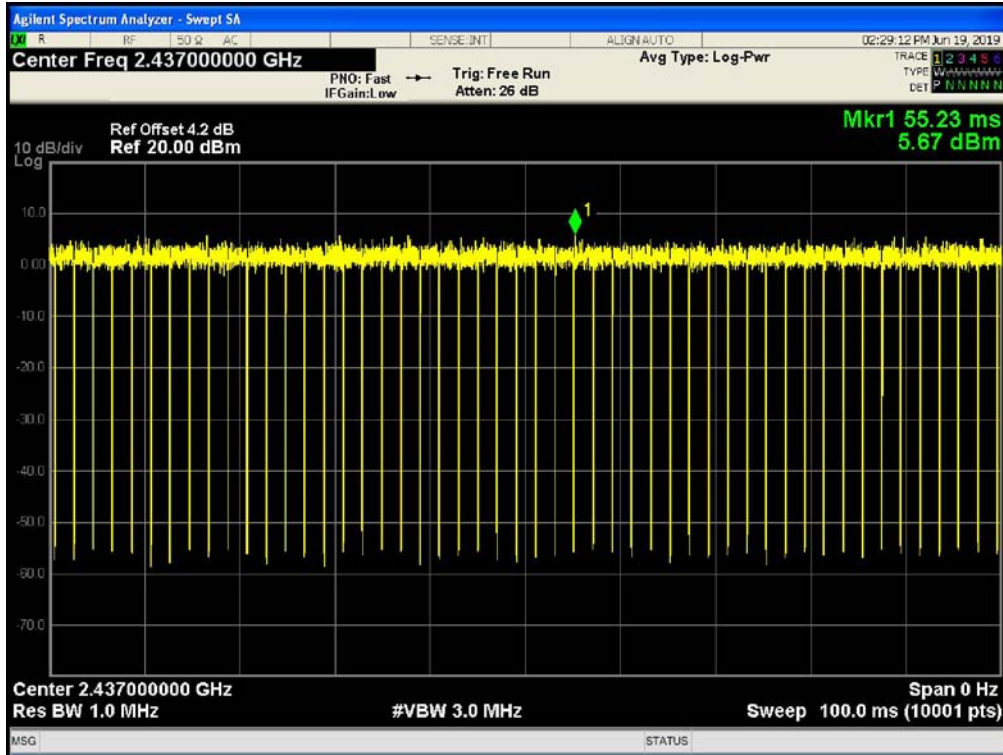


802.11 G Mode 2437 MHz





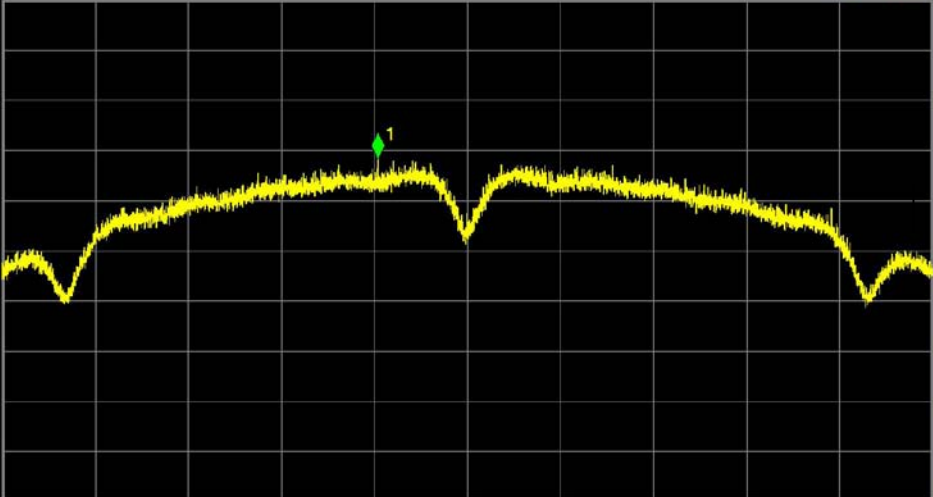
802.11 N(HT20) Mode 2437 MHz



802.11 N(HT40) Mode 2437 MHz



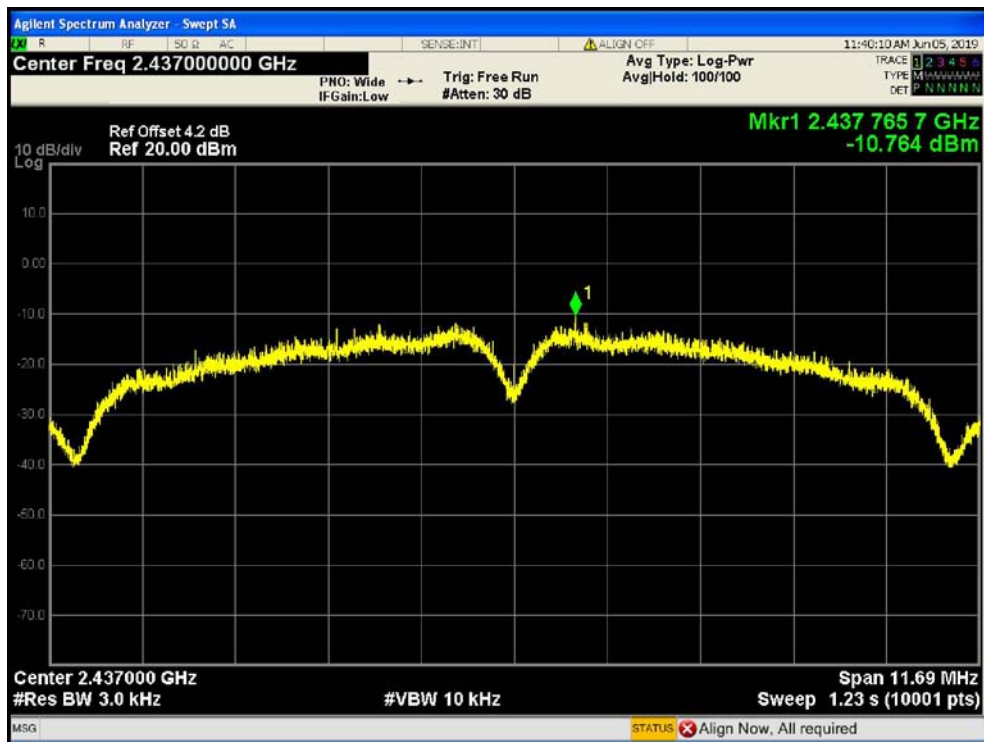
## Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11B Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2412	-11.841	8	
2437	-10.764		
2462	-11.629		
802.11B Mode			
2412 MHz			
<div><div>Agilent Spectrum Analyzer - Swept SA</div><div><div>Center Freq 2.41200000 GHz</div><div>PNO: Fast IF Gain: Low</div><div>Trig: Free Run #Atten: 30 dB</div><div>Avg Type: Log-Pwr Avg/Hold: 100/100</div><div>TRACE 8 TYPE M DET P N N N N</div><div>11:36:49 AM Jun 05, 2019</div></div><div><div>Ref Offset 4.02 dB Ref 20.00 dBm</div><div>Mkr1 2.4107665 GHz -11.841 dBm</div><div>10 dB/div Log</div><div></div><div><div>Center 2.412000 GHz #Res BW 3.0 kHz</div><div>#VBW 10 kHz</div><div>Span 12.76 MHz Sweep 1.35 s (10001 pts)</div></div><div>MSG<div>STATUS</div>Align Now, All required</div></div></div>			



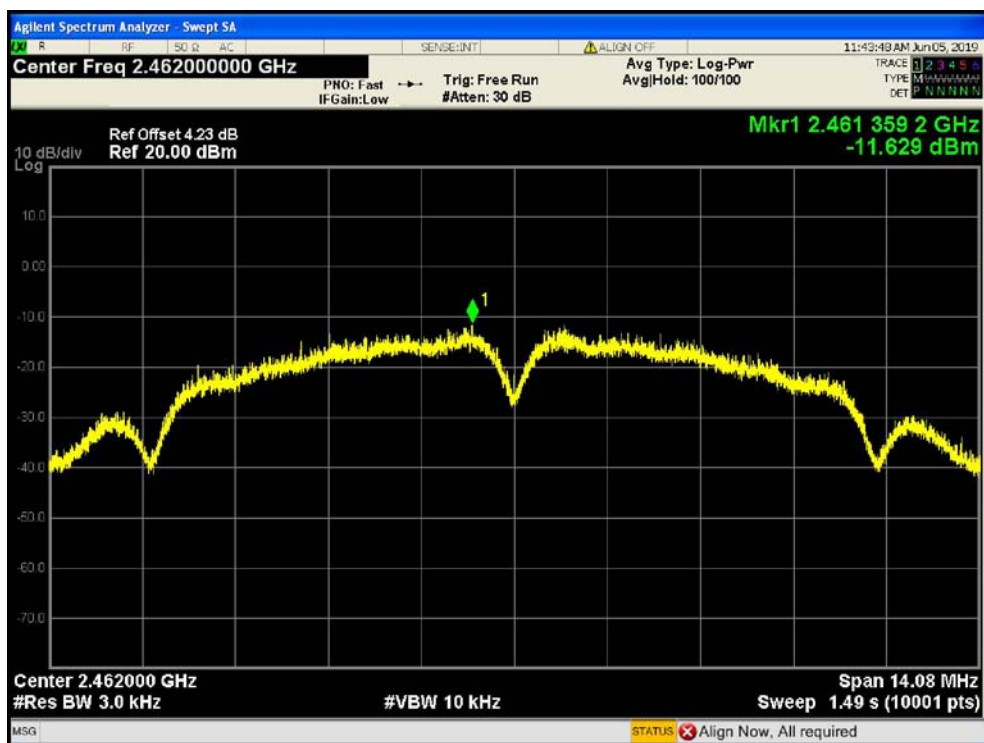
**802.11B Mode**

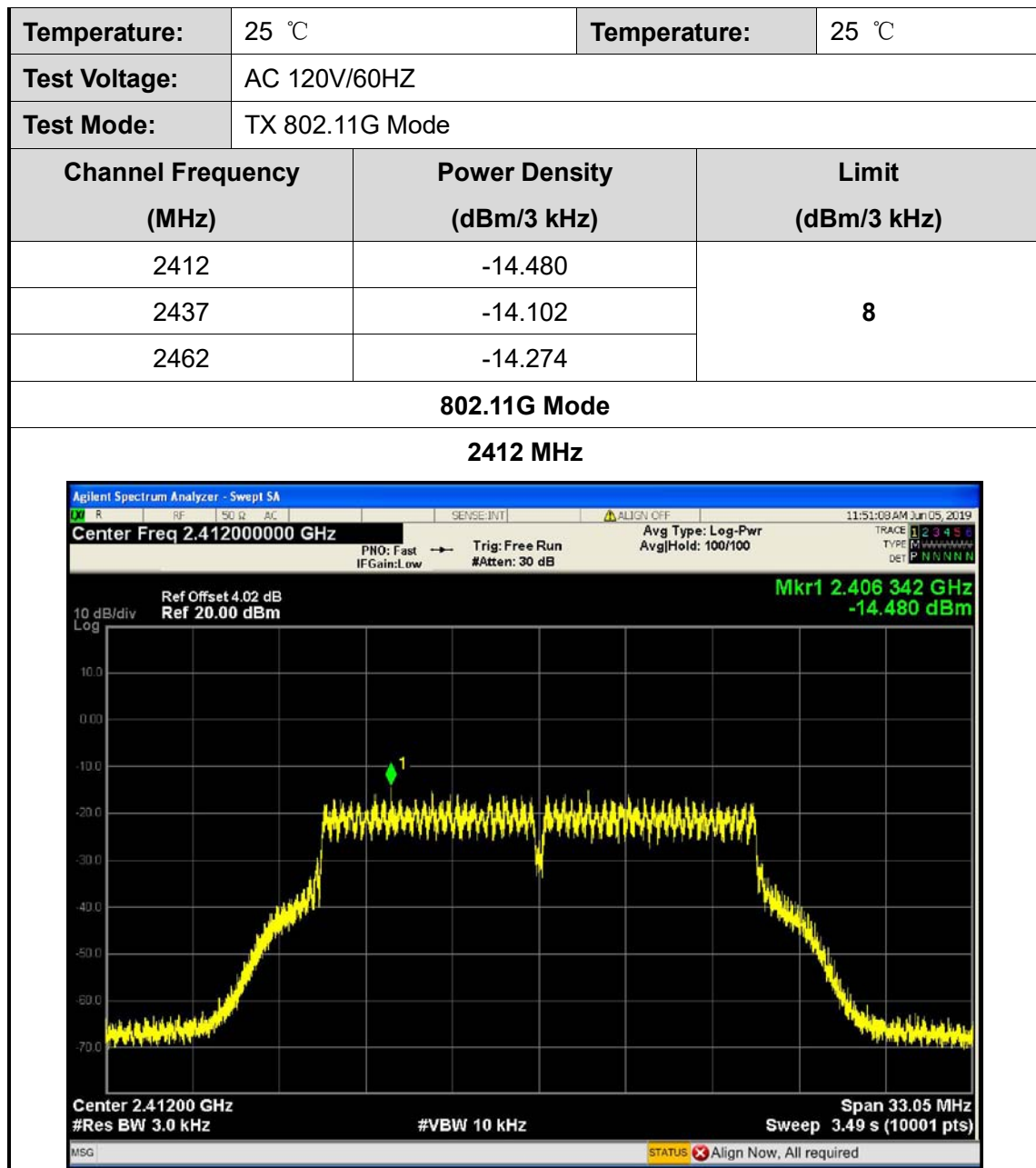
**2437 MHz**



**802.11B Mode**

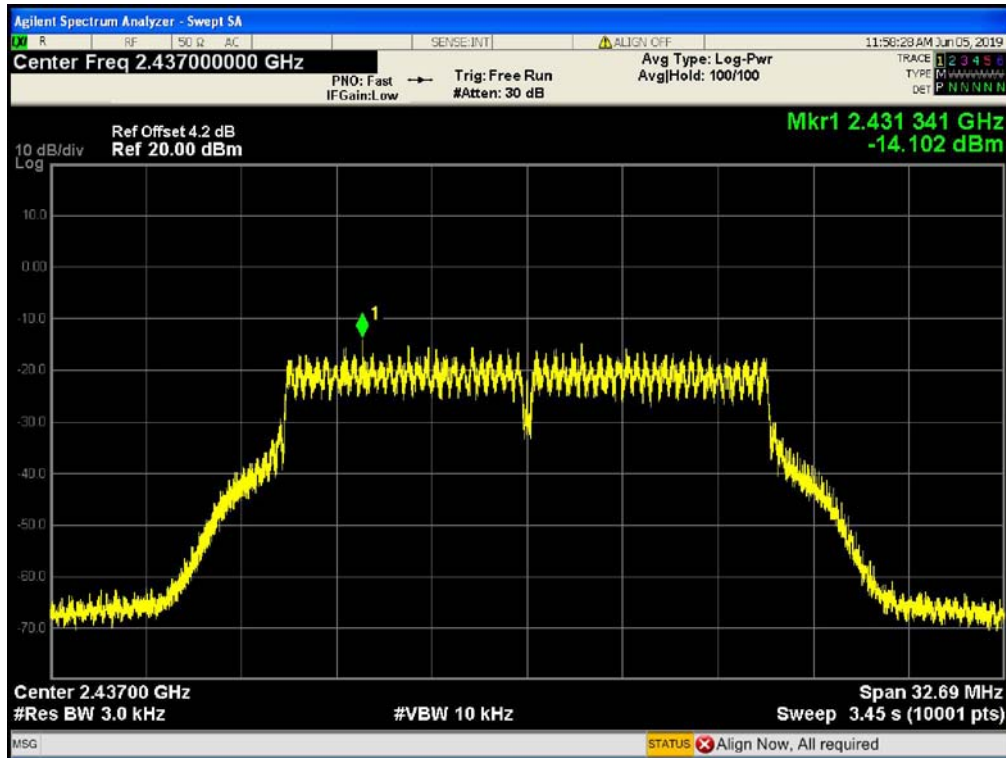
**2462 MHz**





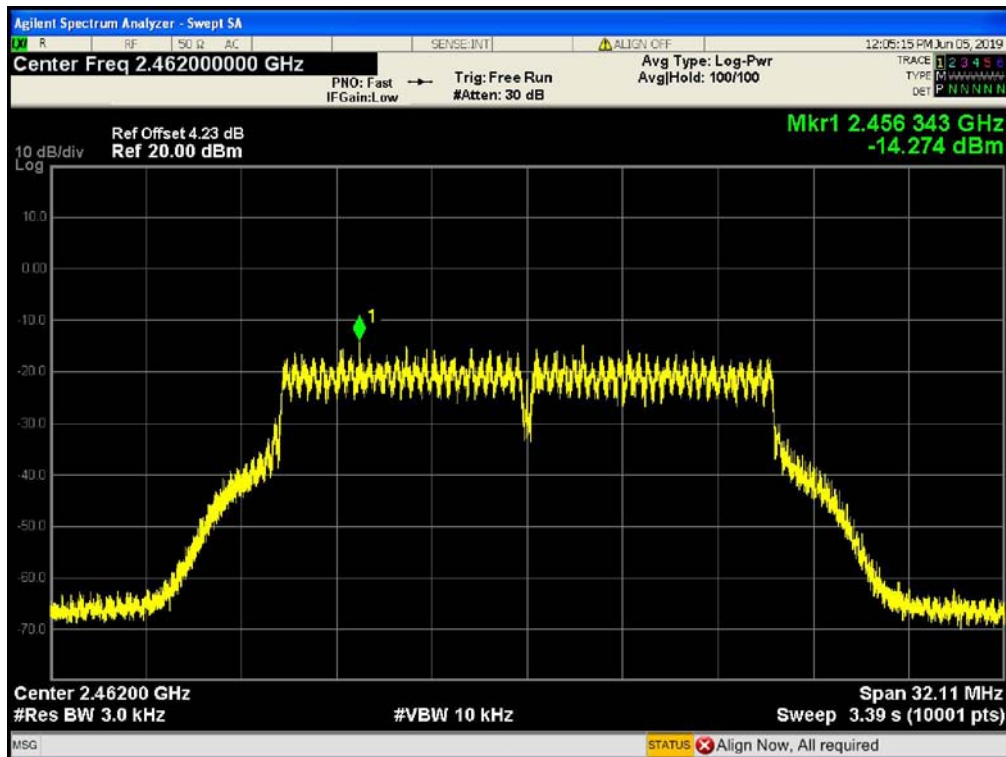
**802.11G Mode**

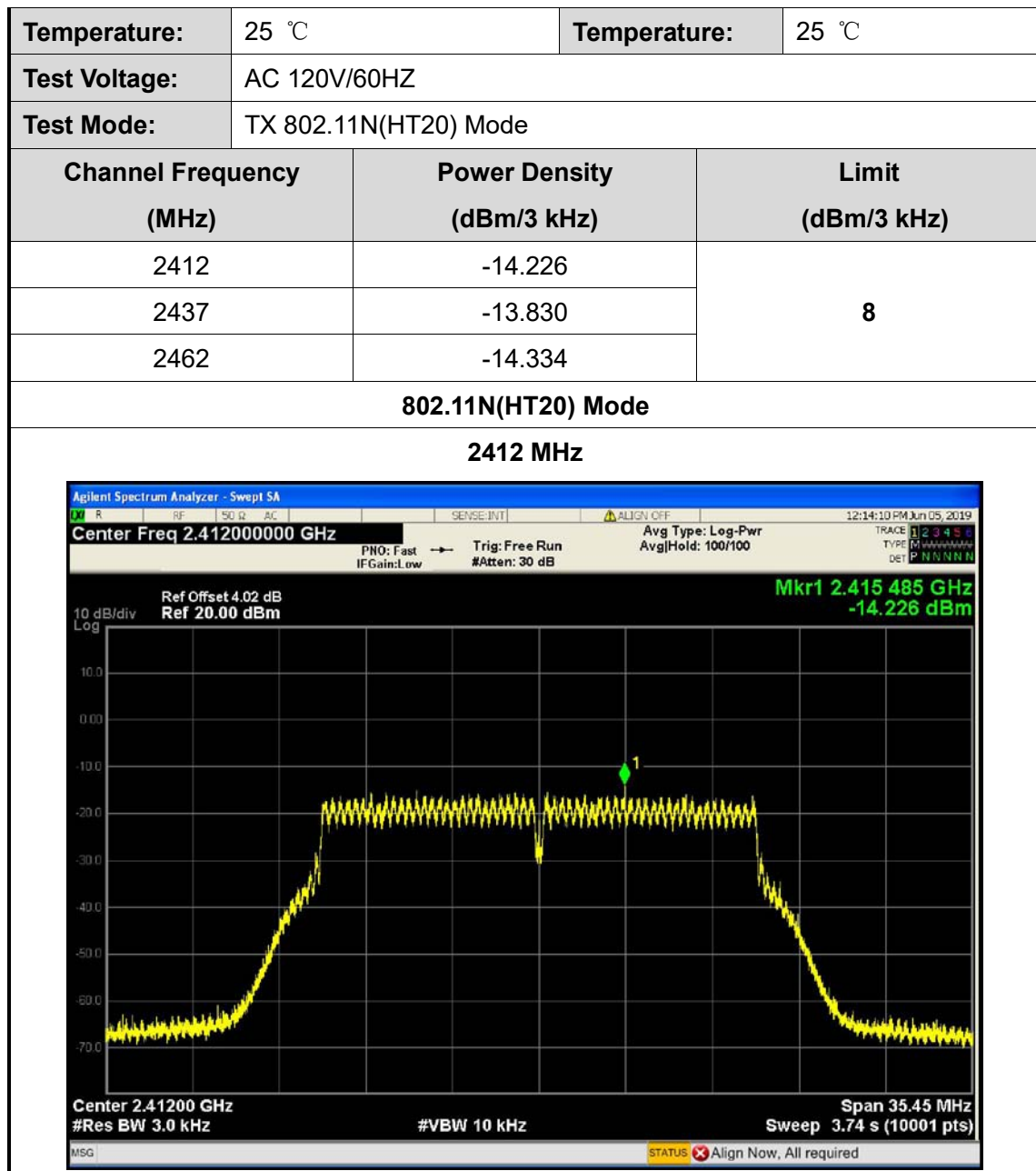
**2437 MHz**



**802.11G Mode**

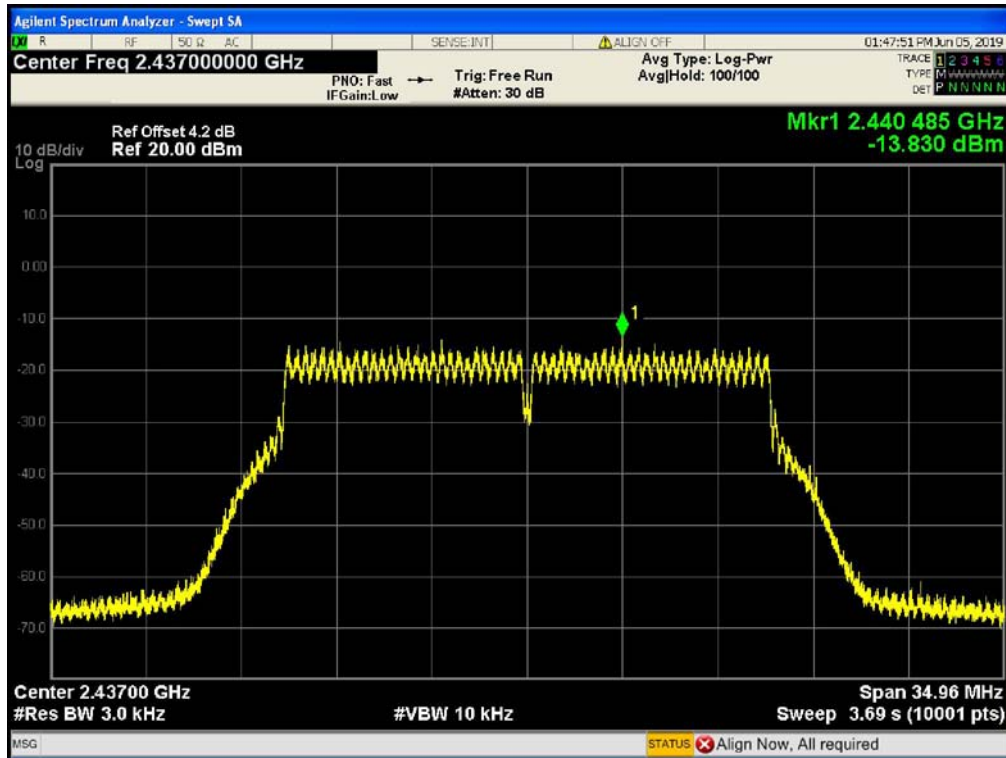
**2462 MHz**





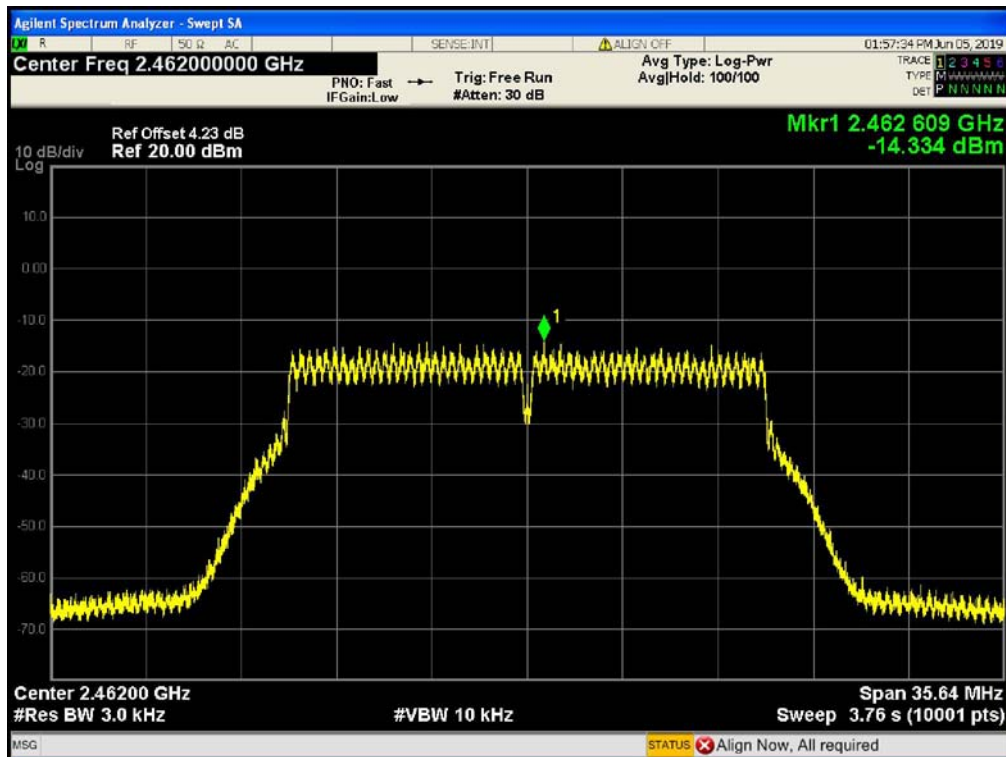
802.11N(HT20) Mode

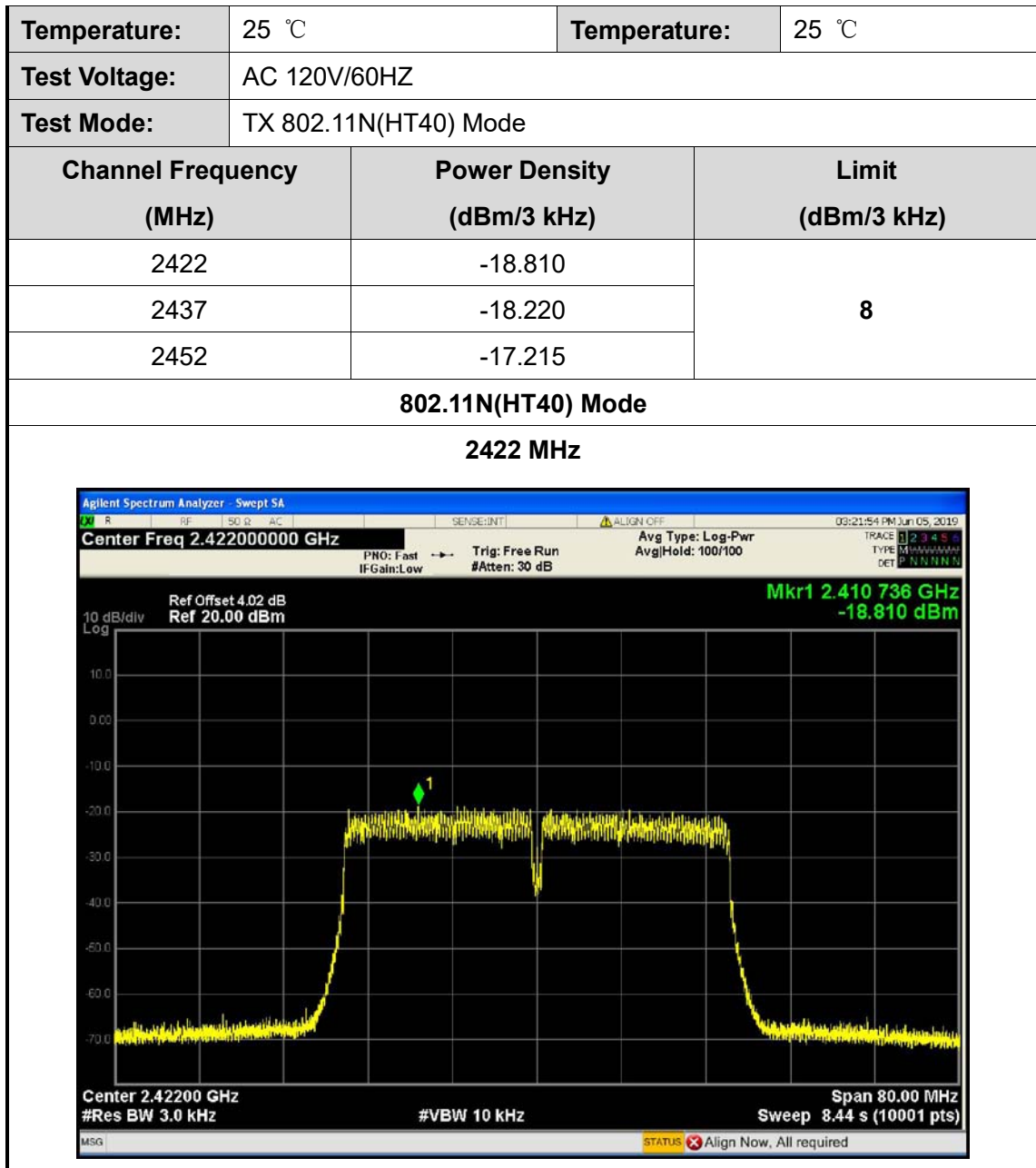
2437 MHz



802.11N(HT20) Mode

2462 MHz

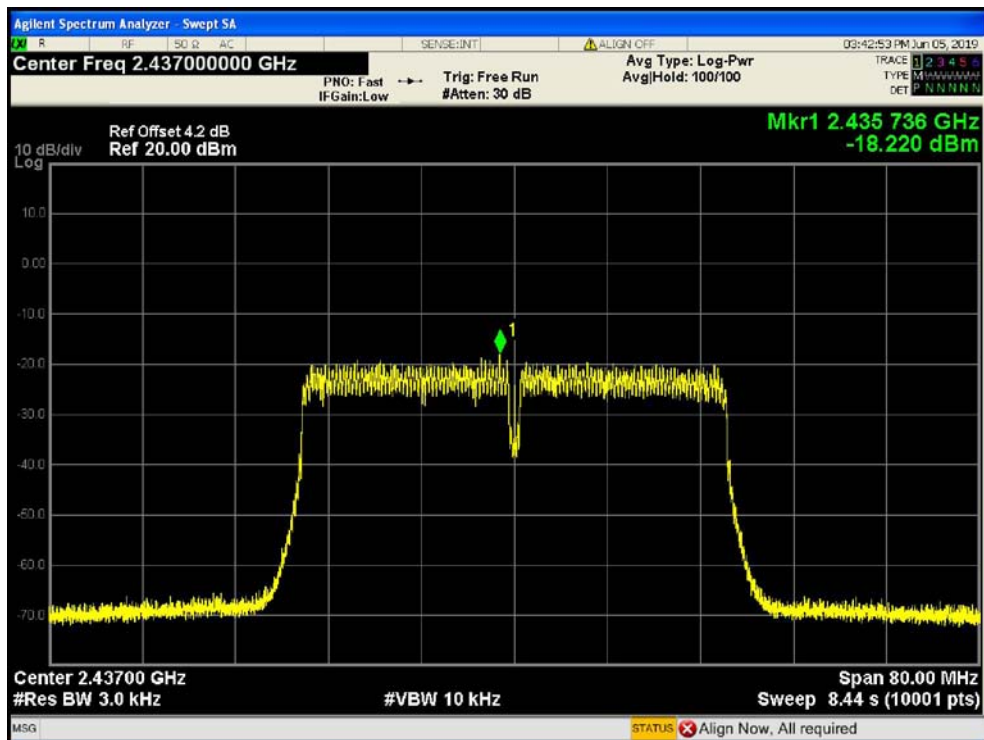






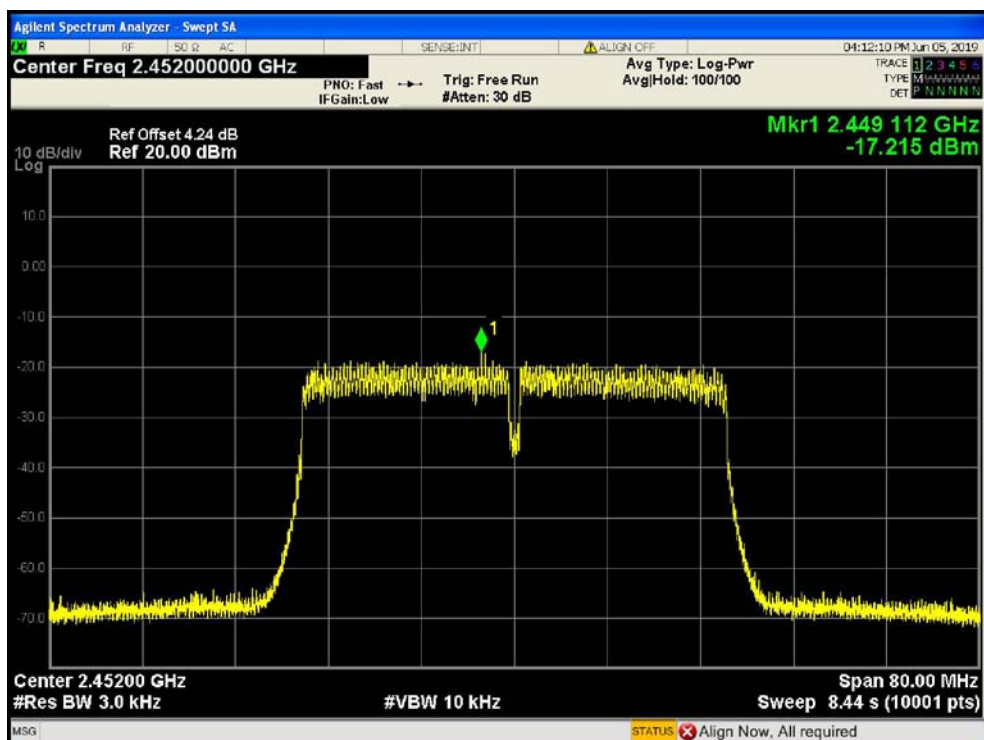
**802.11N(HT40) Mode**

**2437 MHz**



**802.11N(HT40) Mode**

**2452 MHz**



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