



China

## 6.5 MAXIMUM PEAK OUTPUT POWER

### 6.5.1 APPLIED PROCEDURES / LIMIT

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.

### 6.5.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011

### 6.5.3 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 1MHz, VBW=3MHz, Sweep time = 5 ms.

### 6.5.4 DEVIATION FROM STANDARD

No deviation.



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### 6.5.5 TEST SETUP



### 6.5.6 EUT OPERATION CONDITIONS

The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

### 6.5.7 TEST RESULTS

Model:	My7	Result:	PASS
Temperature:	20°C	Relative Humidity:	55 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Continuously transmitting mode.		

Frequency (MHz)	Mode	Data Rate	Measurement (MHz)	Limit	Result
2412	802.11b	1 Mbps	14.02	≤ 30dBm	Pass
2437		1 Mbps	13.50		Pass
2462		1 Mbps	13.24		Pass
2412	802.11g	6 Mbps	14.26		Pass
2437		6 Mbps	14.06		Pass
2462		6 Mbps	14.73		Pass

## 6.6 PEAK POWER SPECTRAL DENSITY

### 6.6.1 APPLIED PROCEDURES / LIMIT

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### 6.6.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011

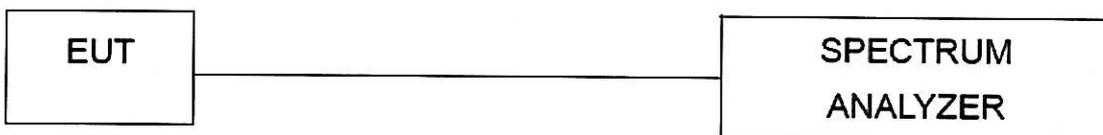
### 6.6.3 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 3kHz, VBW=30kHz, Span=1.5MHz, Sweep time = 500s.

### 6.6.4 DEVIATION FROM STANDARD

No deviation.

### 6.6.5 TEST SETUP



### 6.6.6 EUT OPERATION CONDITIONS

The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

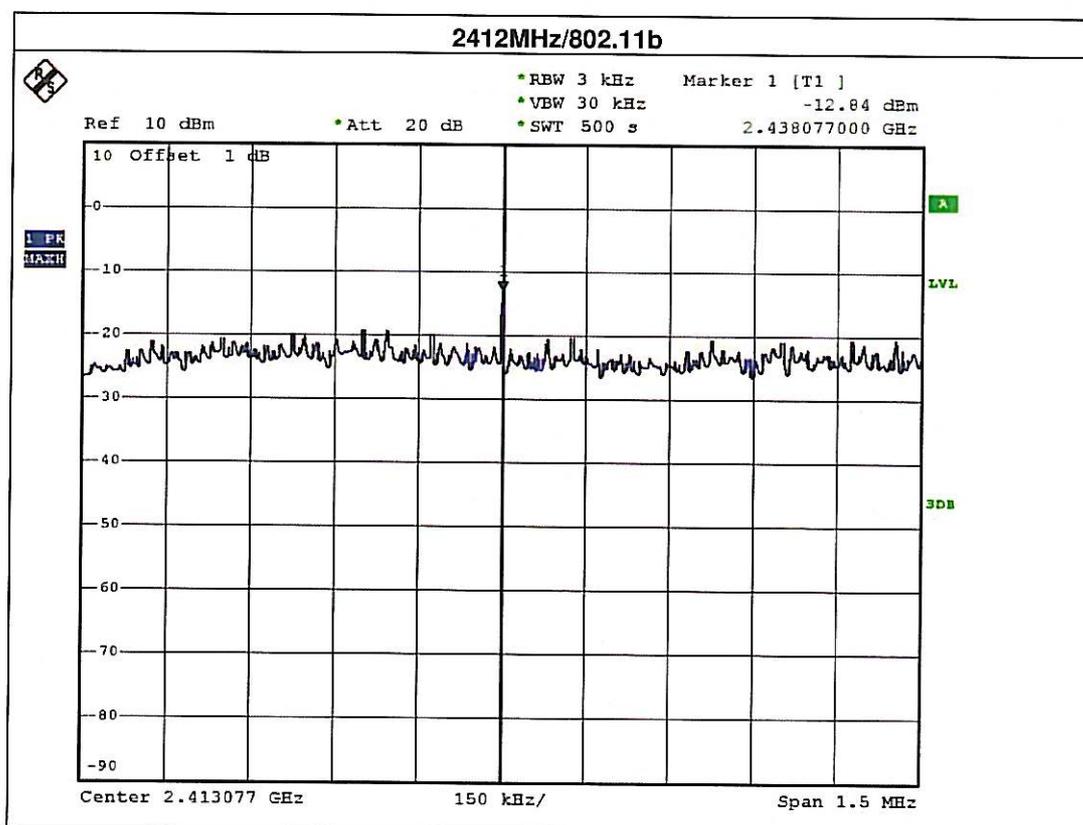


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### 6.6.7 TEST RESULTS

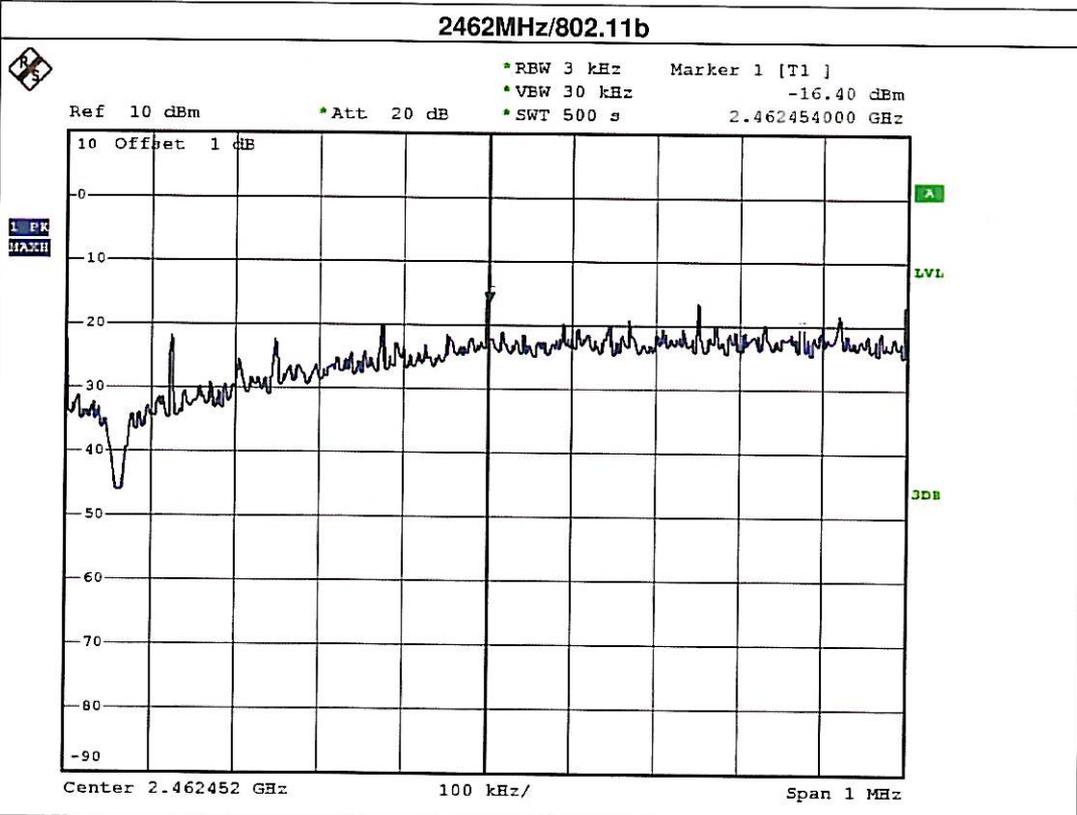
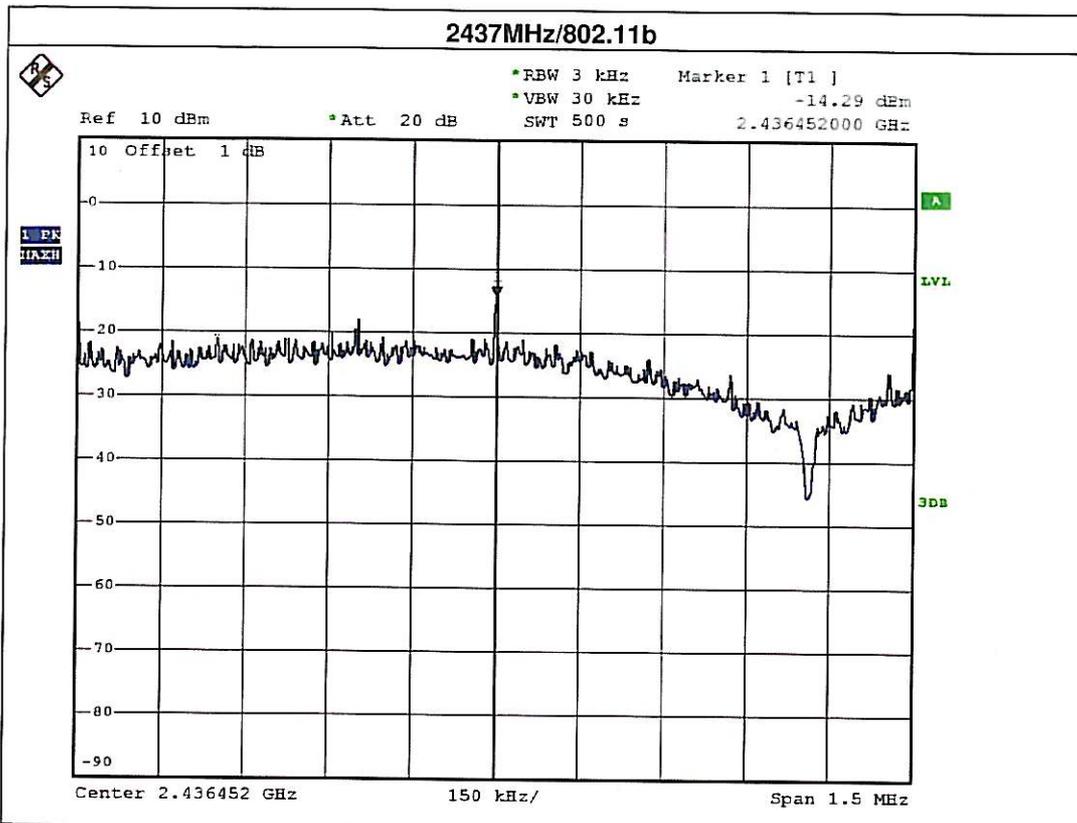
Model:	My7	Result:	PASS
Temperature:	20°C	Relative Humidity:	55 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Continuously transmitting mode.		

Frequency (MHz)	Mode	Data Rate	Measurement (dBm/3KHz)	Limit	Result
2412	802.11b	1 Mbps	-12.84	≤ 8dBm/3KHz	Pass
2437		1 Mbps	-14.29		Pass
2462		1 Mbps	-16.40		Pass
2412	802.11g	6 Mbps	-23.85		Pass
2437		6 Mbps	-24.25		Pass
2462		6 Mbps	-24.40		Pass



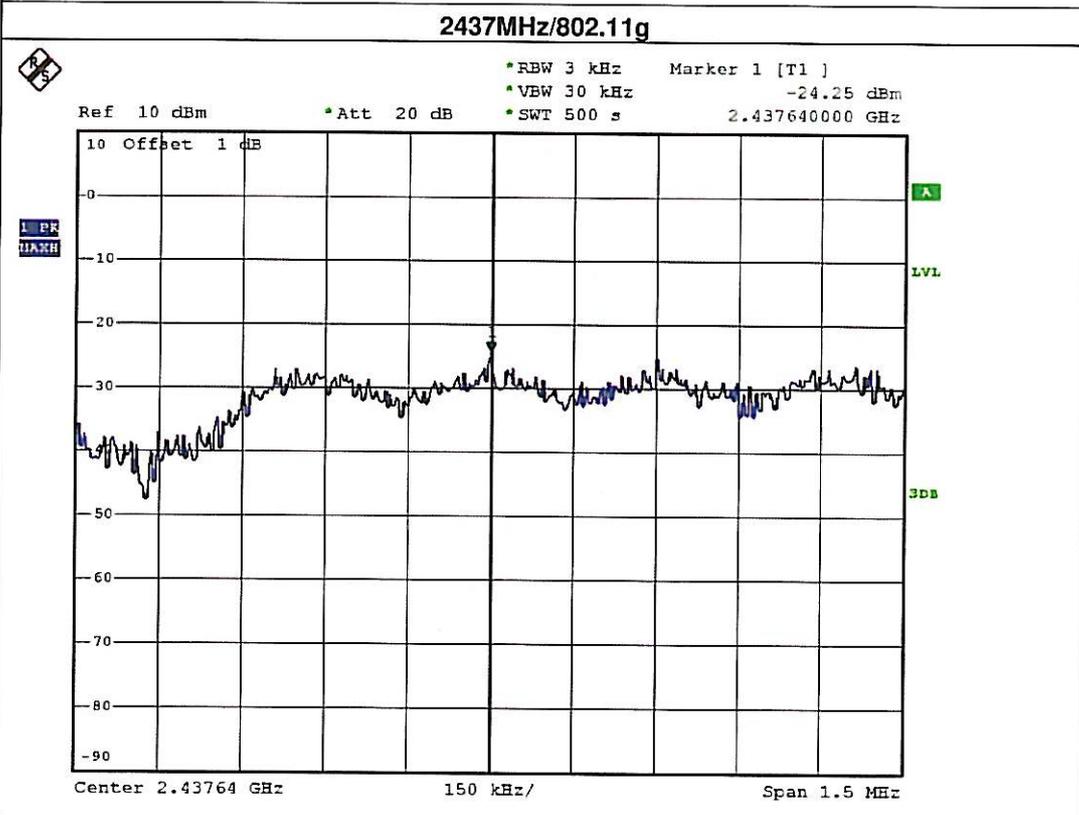
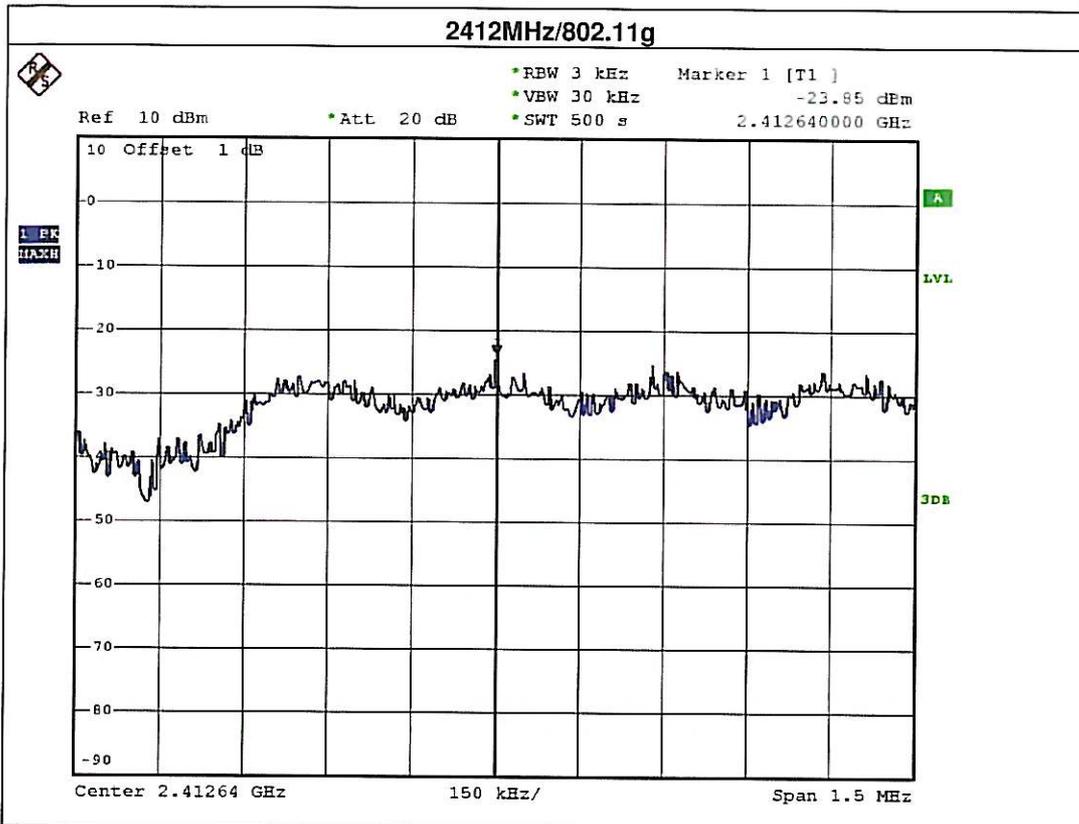


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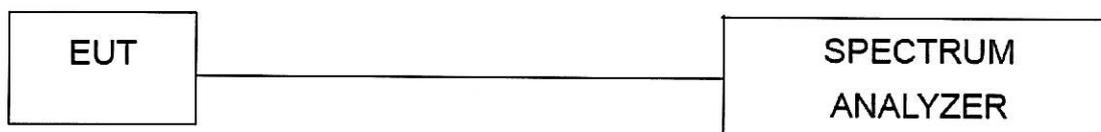
### 6.7.3 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = auto.

### 6.7.4 DEVIATION FROM STANDARD

No deviation.

### 6.7.5 TEST SETUP



### 6.7.6 EUT OPERATION CONDITIONS

The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

### 6.7.7 TEST RESULTS

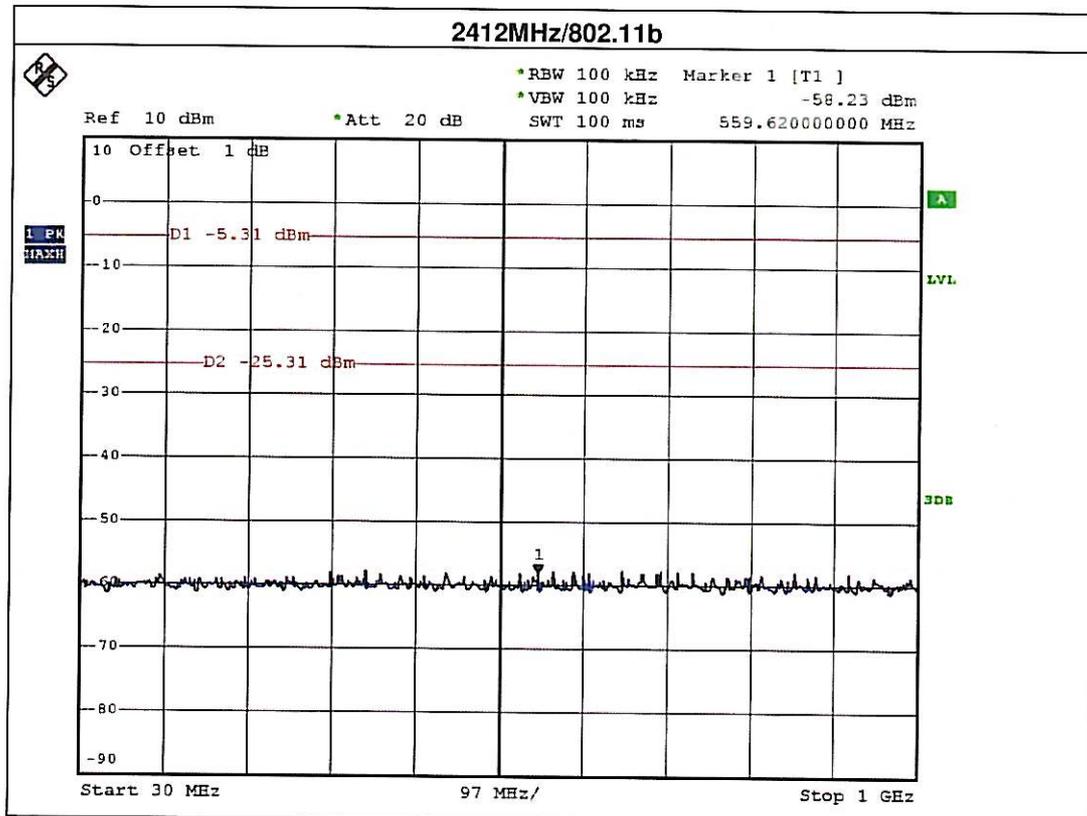
Model:	My7	Result:	PASS
Temperature:	20°C	Relative Humidity:	55 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Continuously transmitting mode.		



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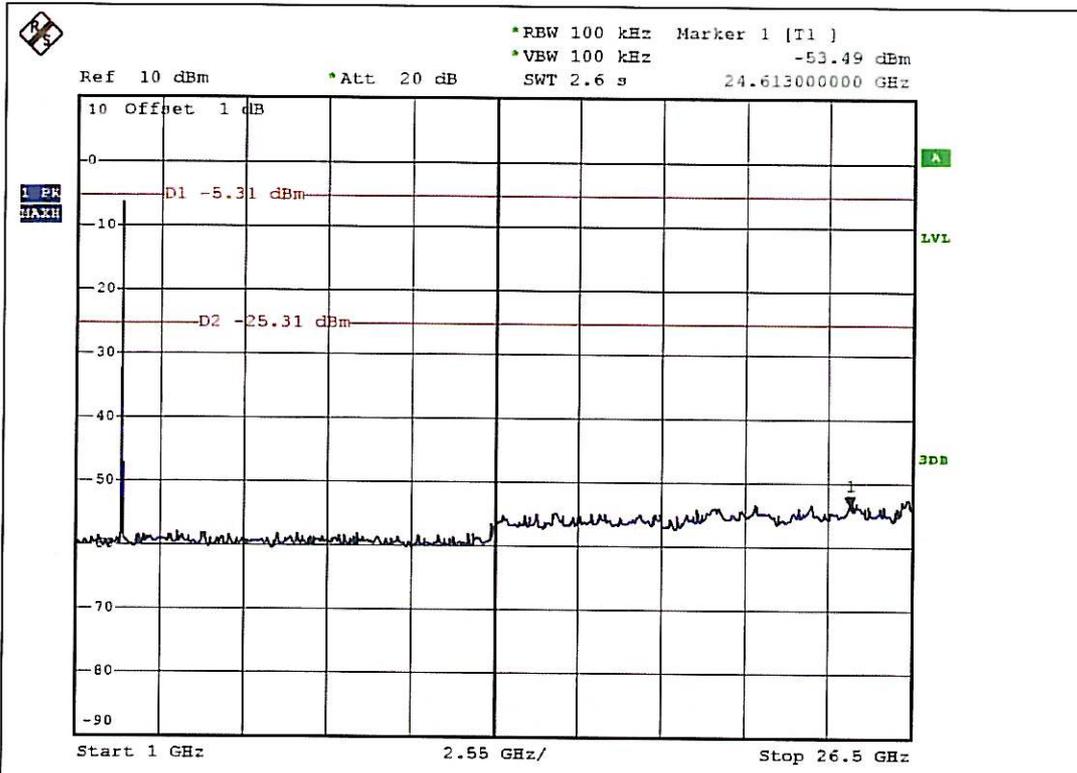
### Result

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

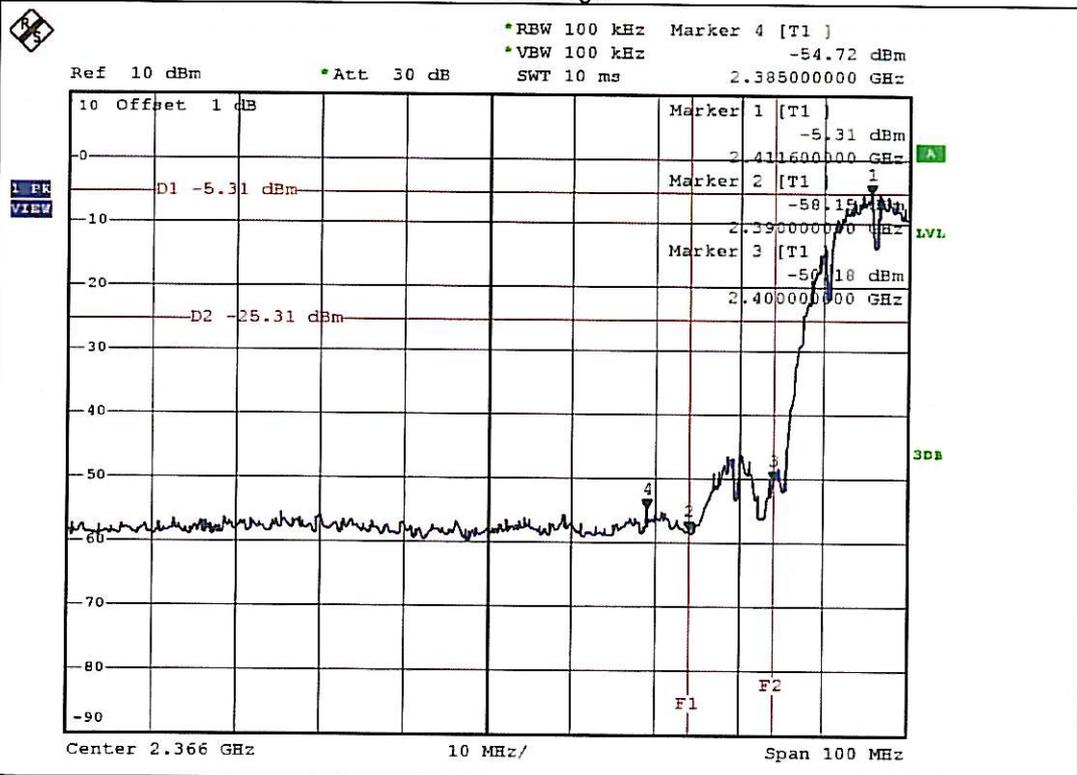




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### Band Edge



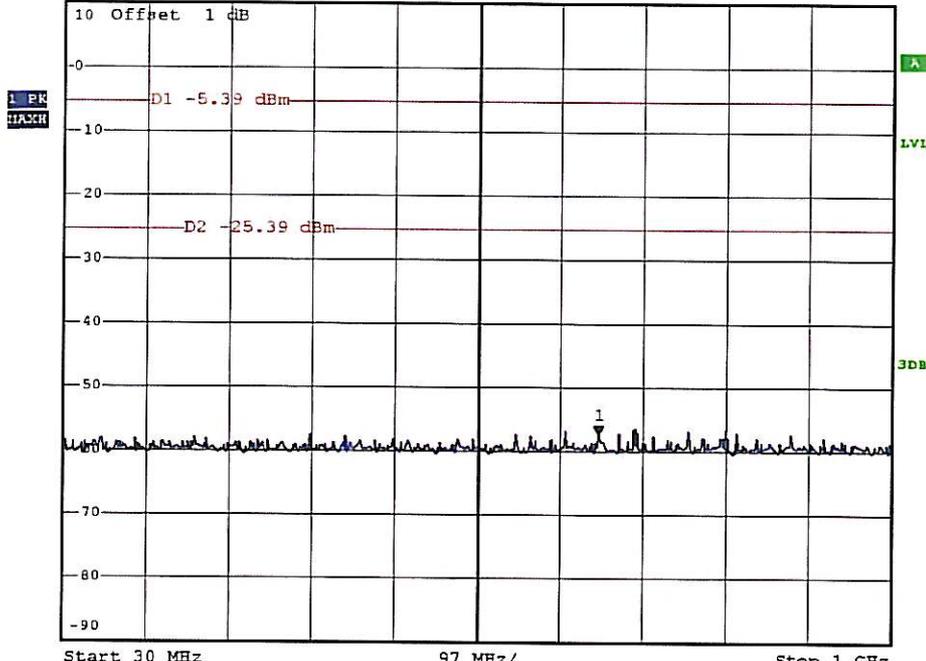


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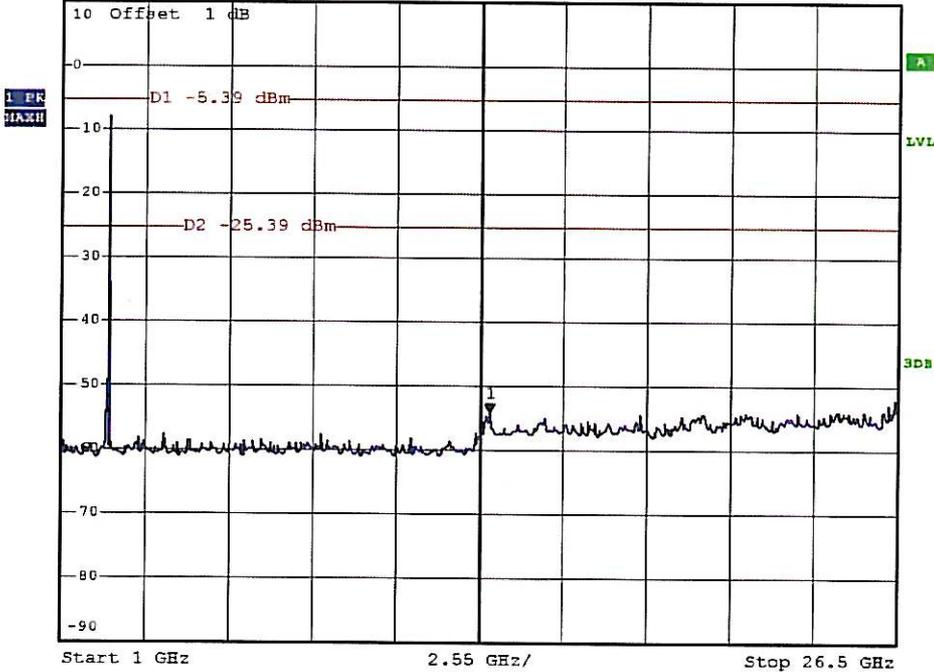
### 2437MHz/802.11b



Ref 10 dBm      \*Att 20 dB      \*RBW 100 kHz      Marker 1 [T1]      -57.20 dBm  
\*VBW 100 kHz      656.620000000 MHz  
SWT 100 ms

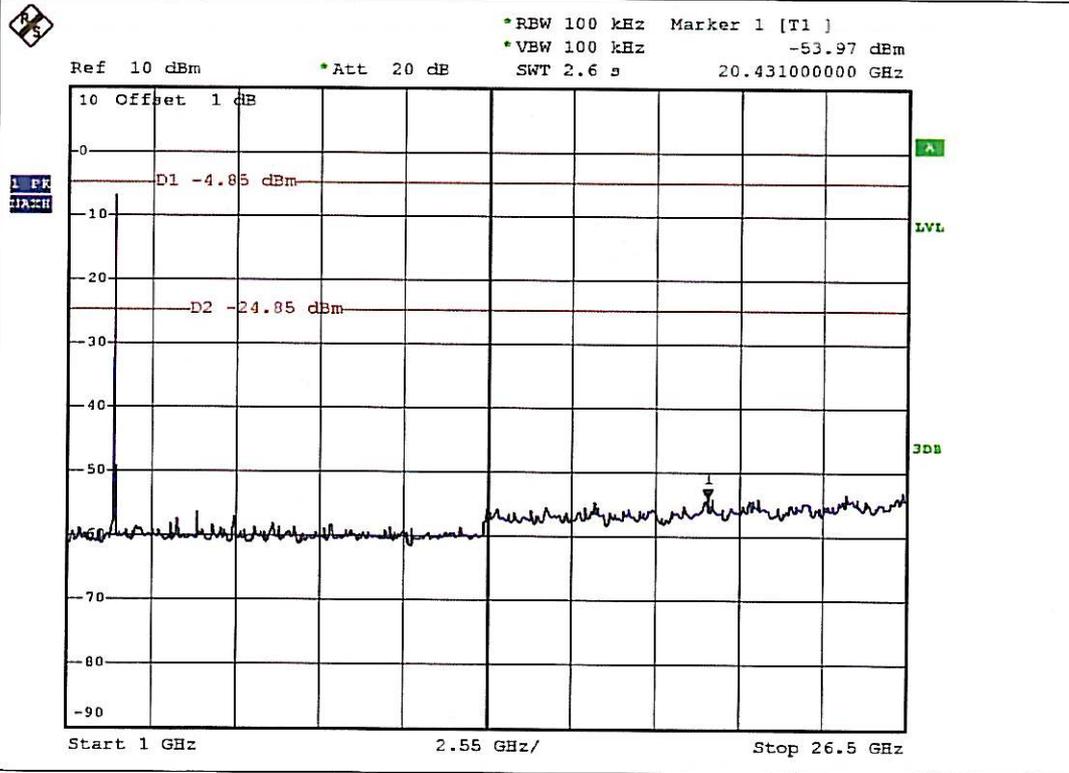
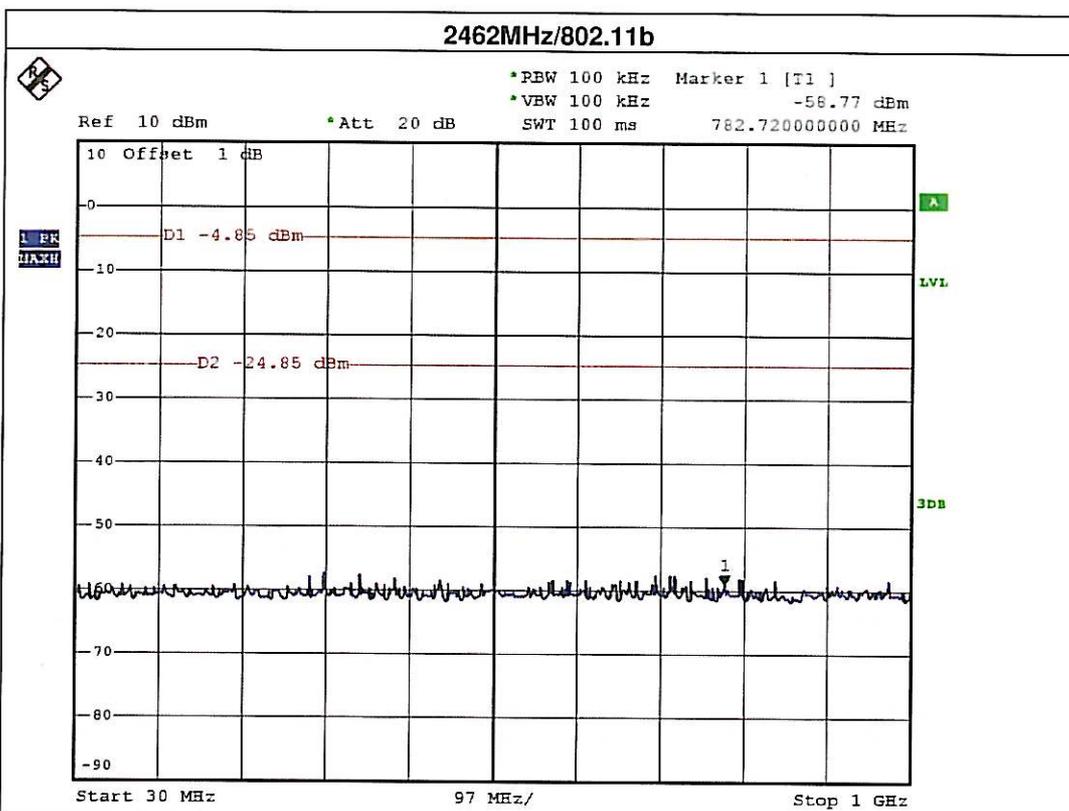


Ref 10 dBm      \*Att 20 dB      \*RBW 100 kHz      Marker 1 [T1]      -54.18 dBm  
\*VBW 100 kHz      14.056000000 GHz  
SWT 2.6 s



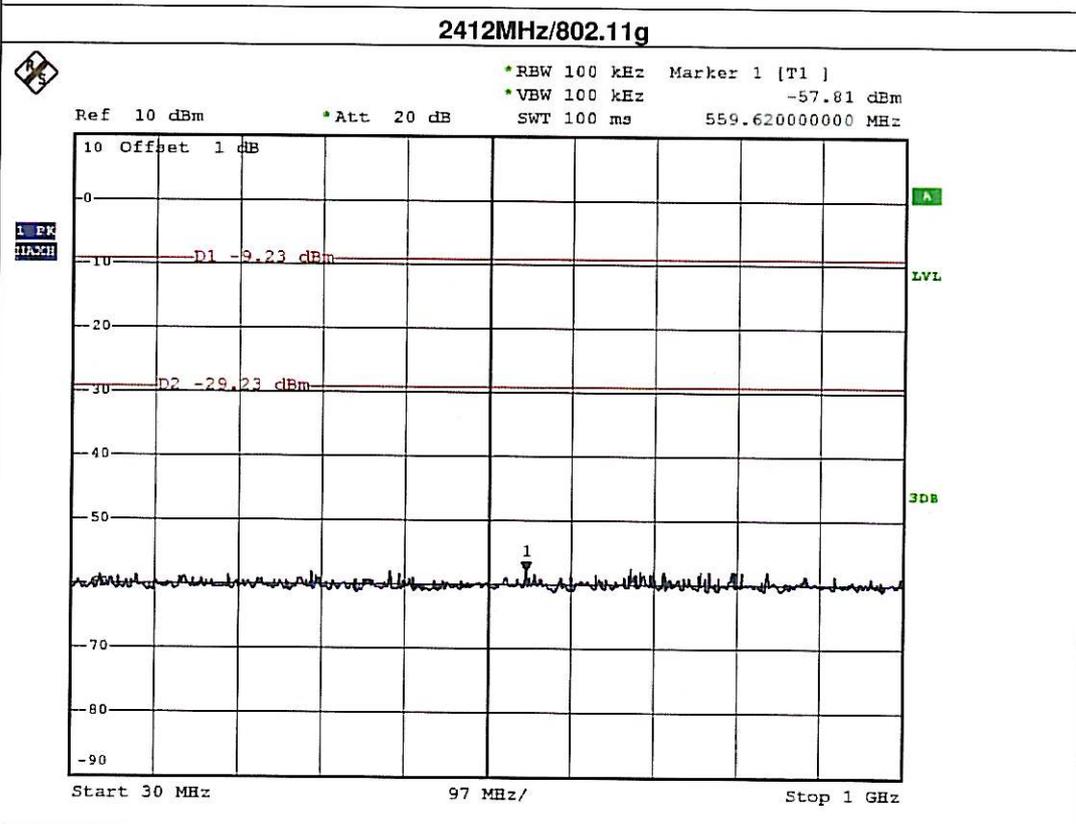
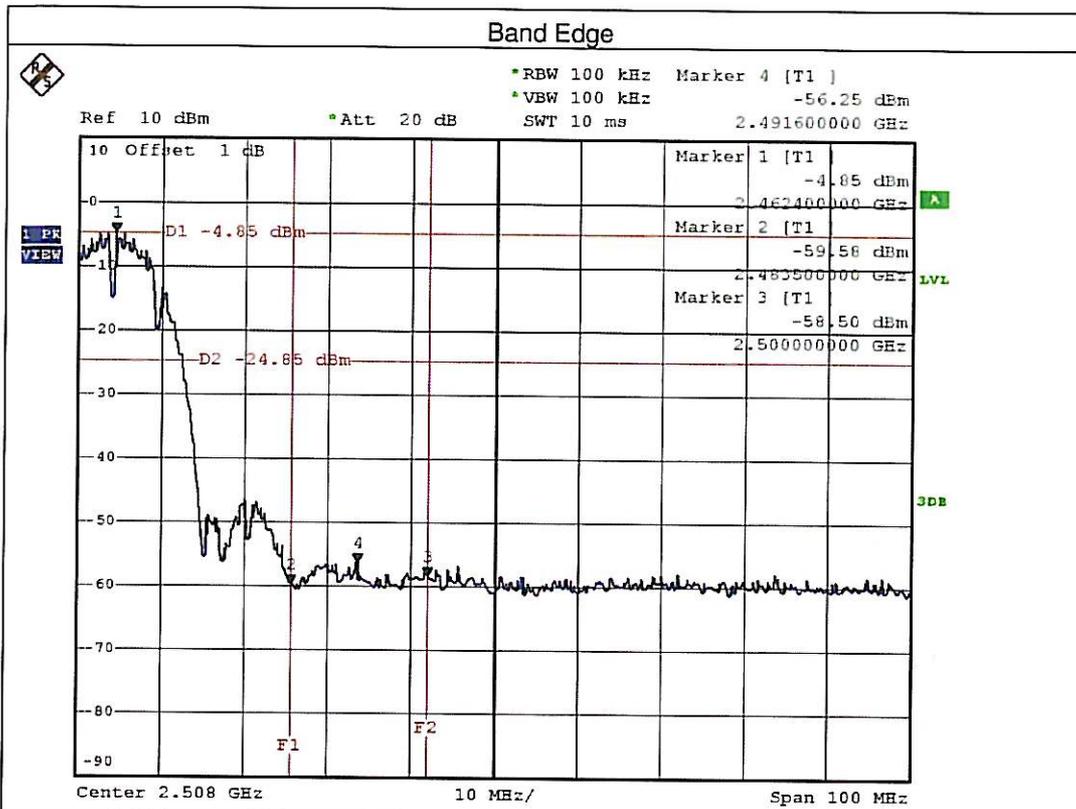


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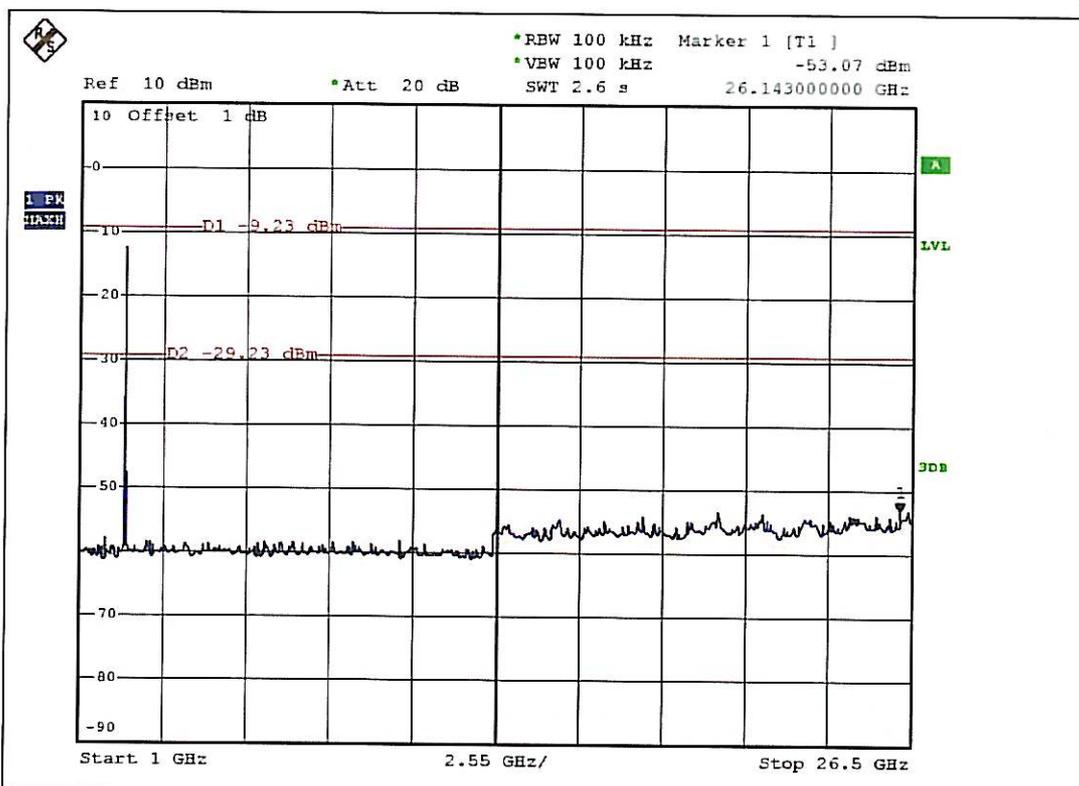


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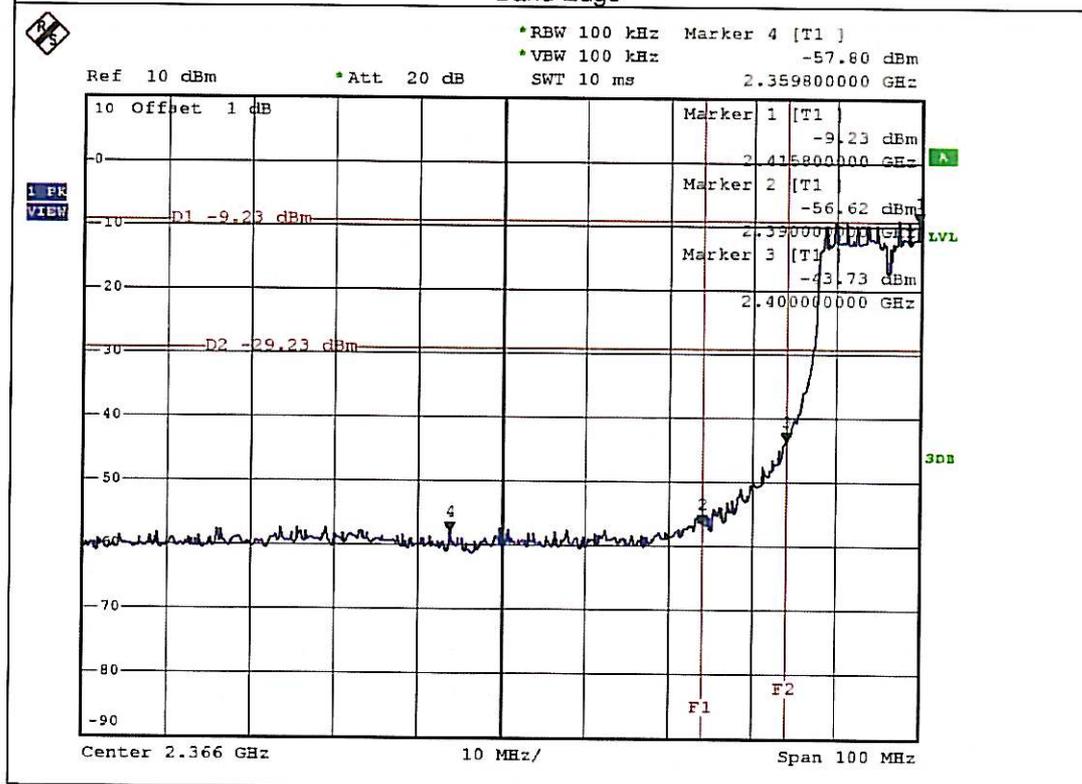




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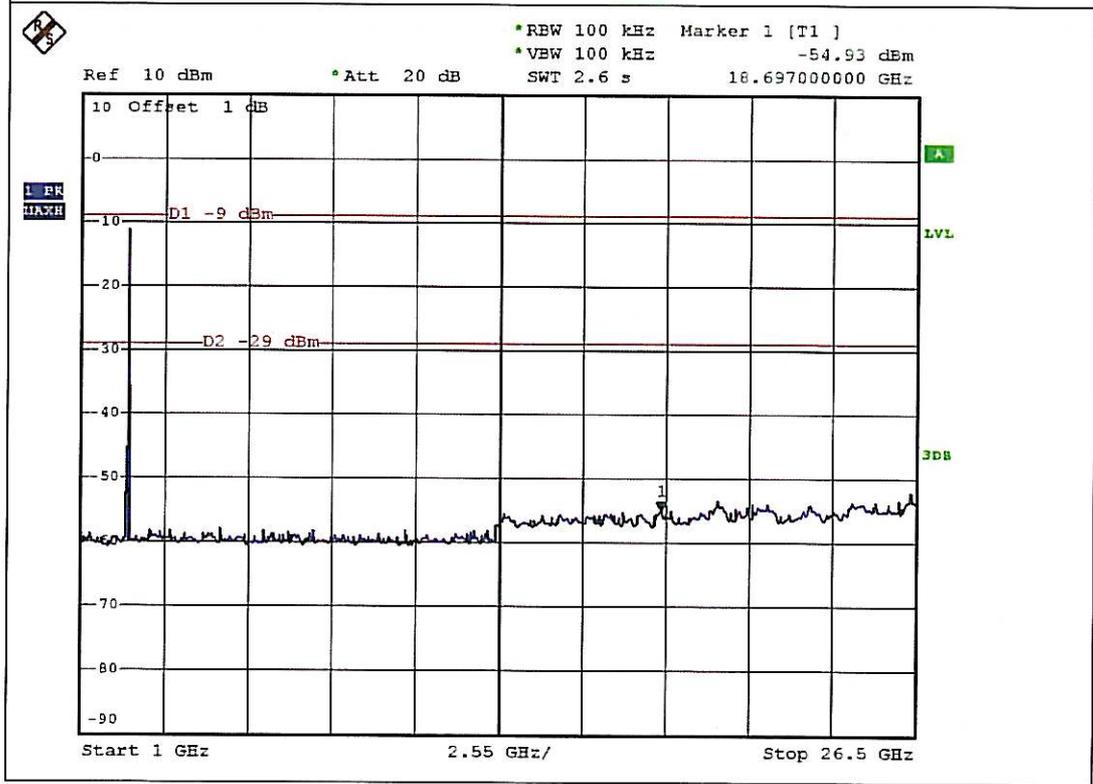
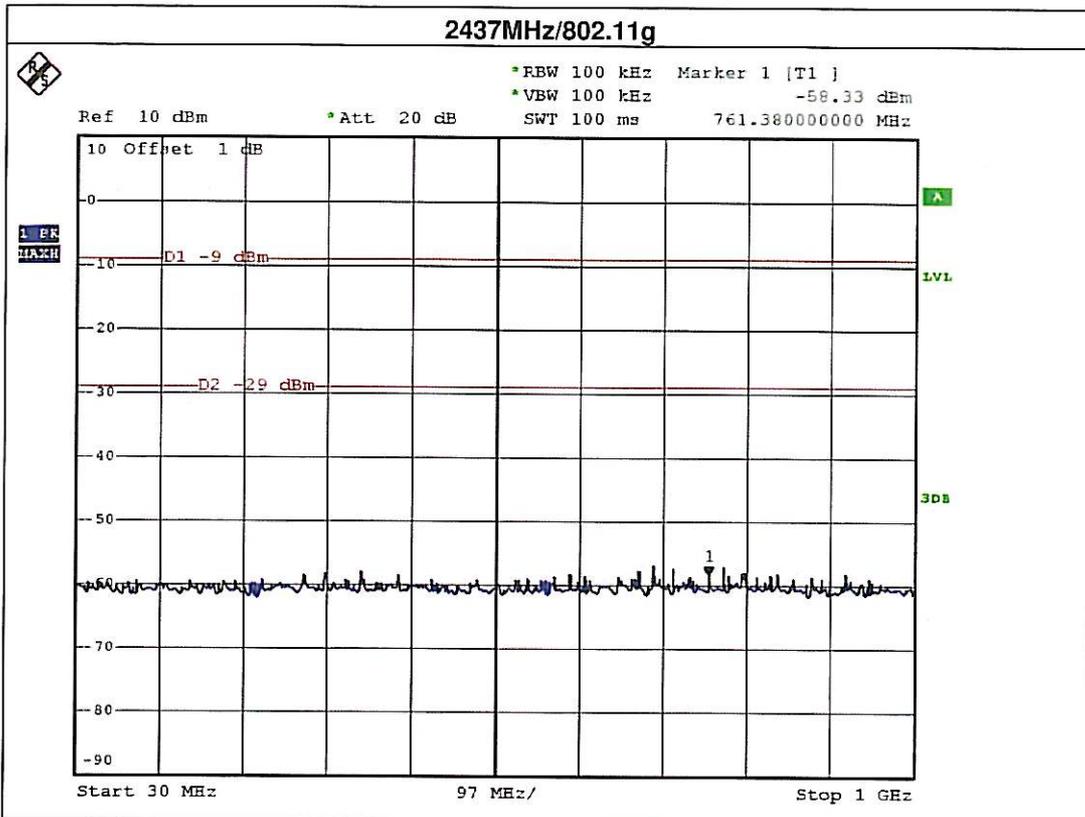


### Band Edge



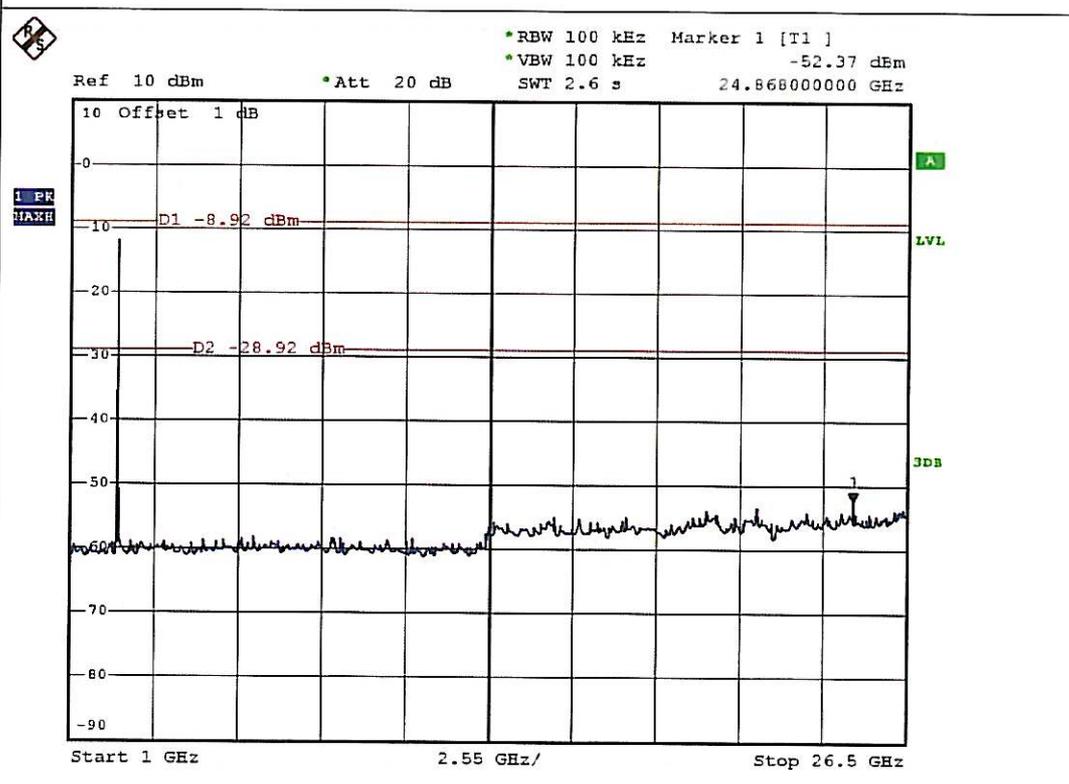
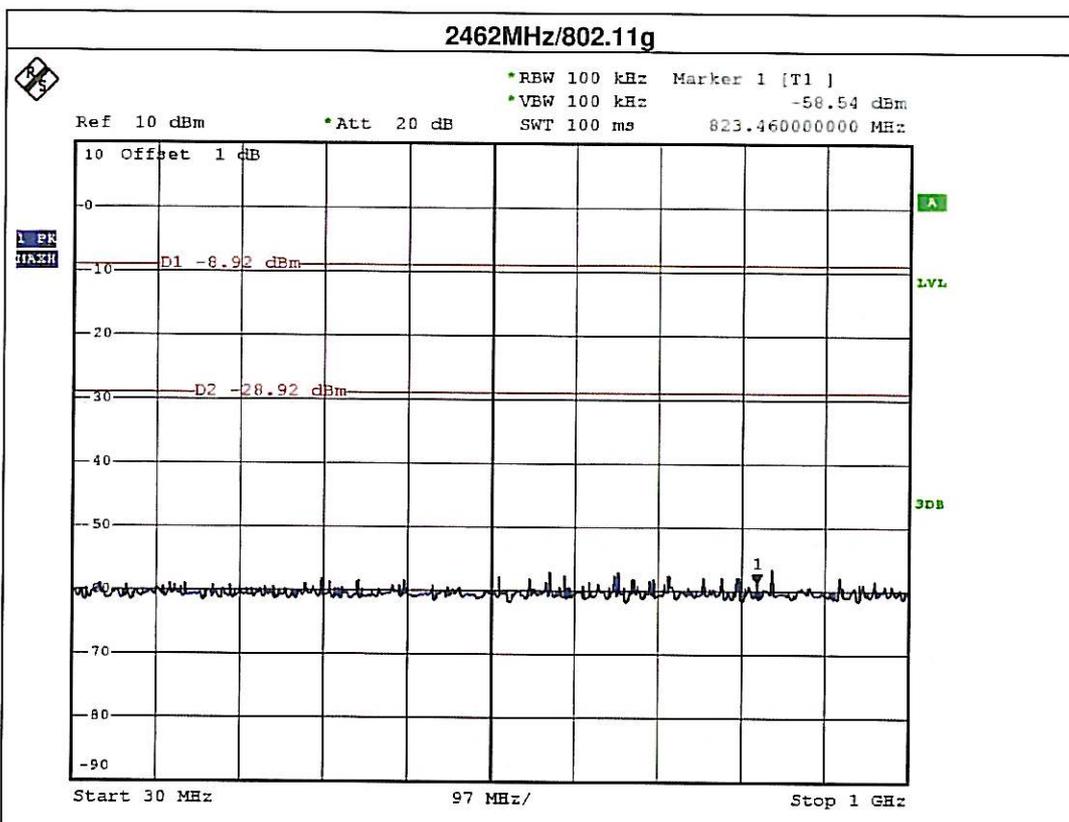


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