

## 8.8. CONDUCTED SPURIOUS EMISSIONS

### LIMITS

FCC §15.247 (d)

RSS-247 5.5

Limit = -20 dBc

### TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz.

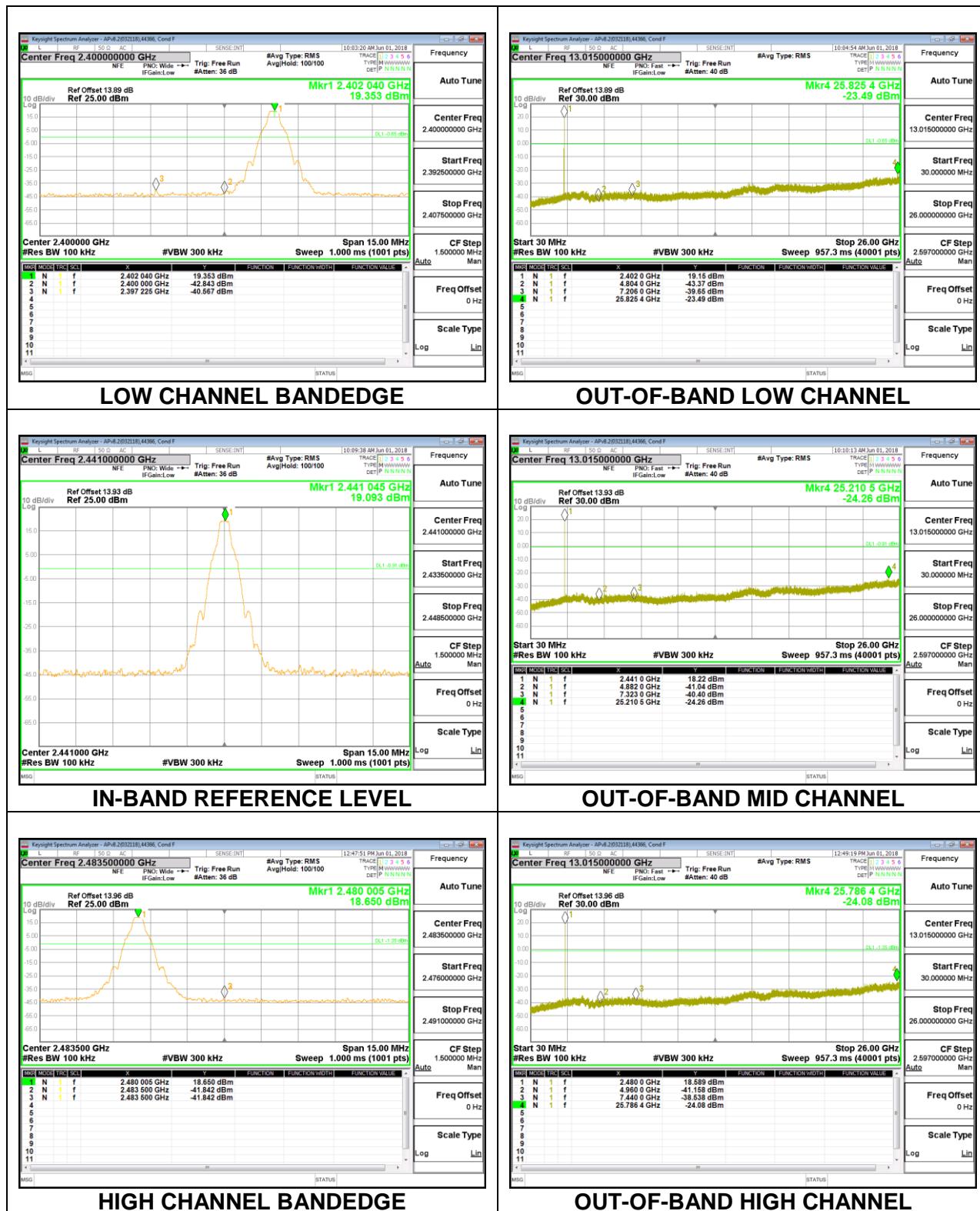
The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

The bandedges at 2.4 and 2.4835 GHz are investigated with the transmitter set to the normal hopping mode.

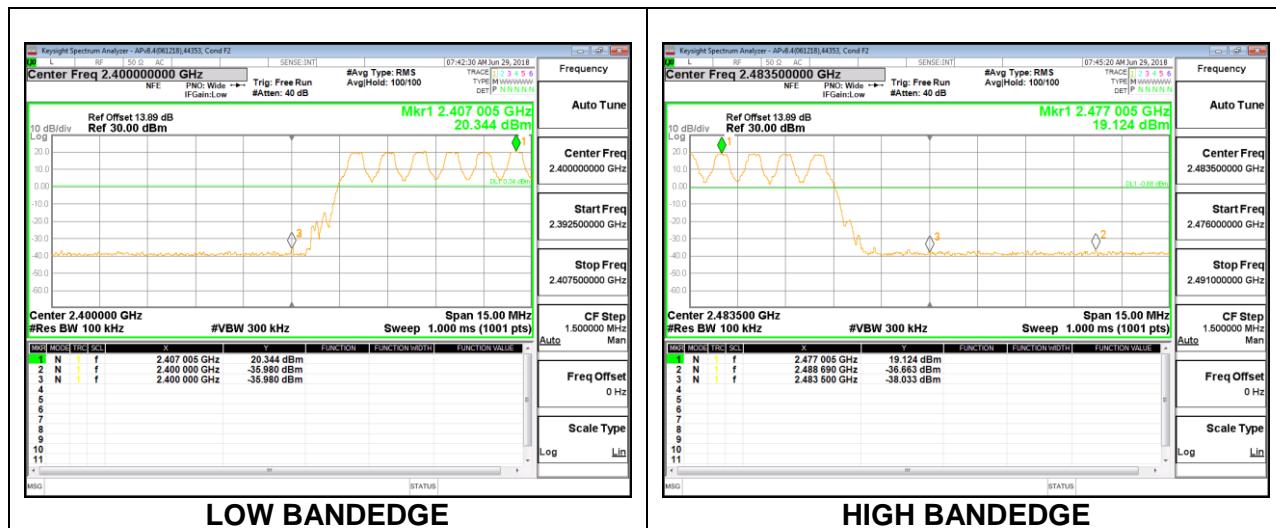
### RESULTS

## 8.8.1. HIGH POWER BASIC DATA RATE GFSK MODULATION

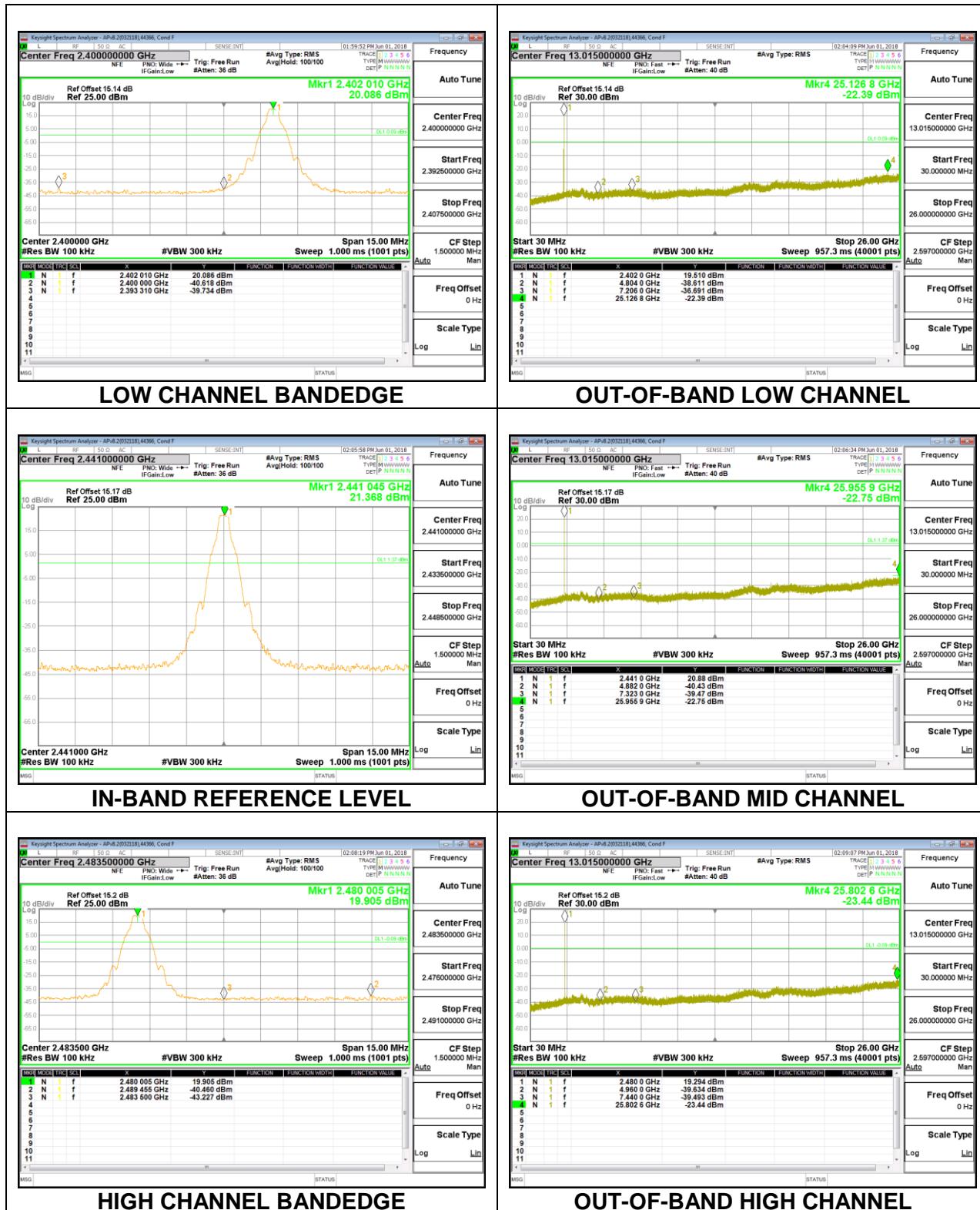
### Antenna 2 SPURIOUS EMISSIONS, NON-HOPPING



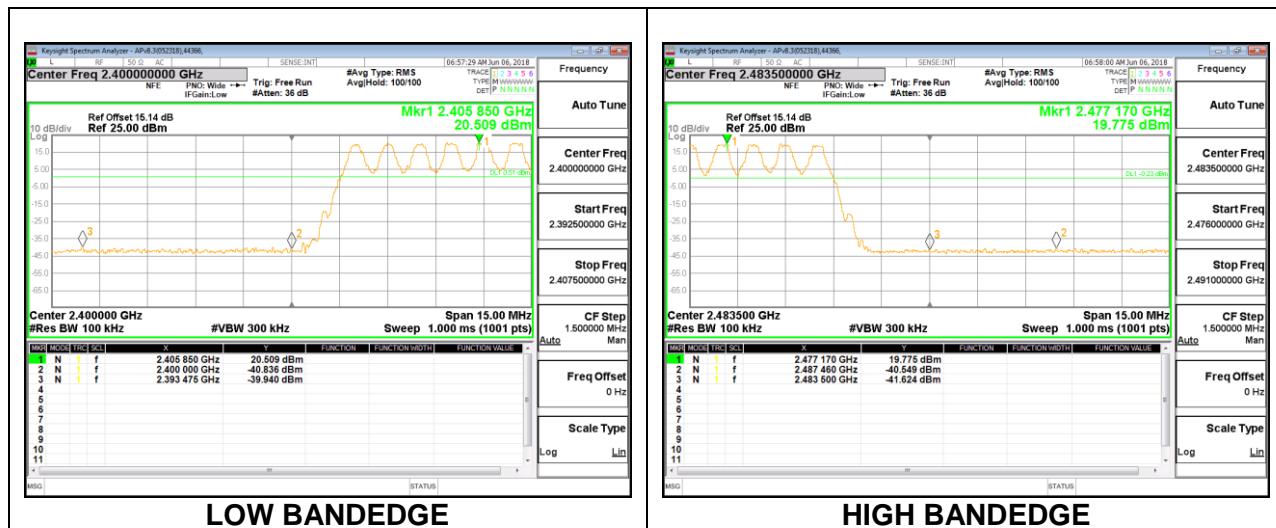
**Antenna 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON**



**Antenna 5 SPURIOUS EMISSIONS, NON-HOPPING**

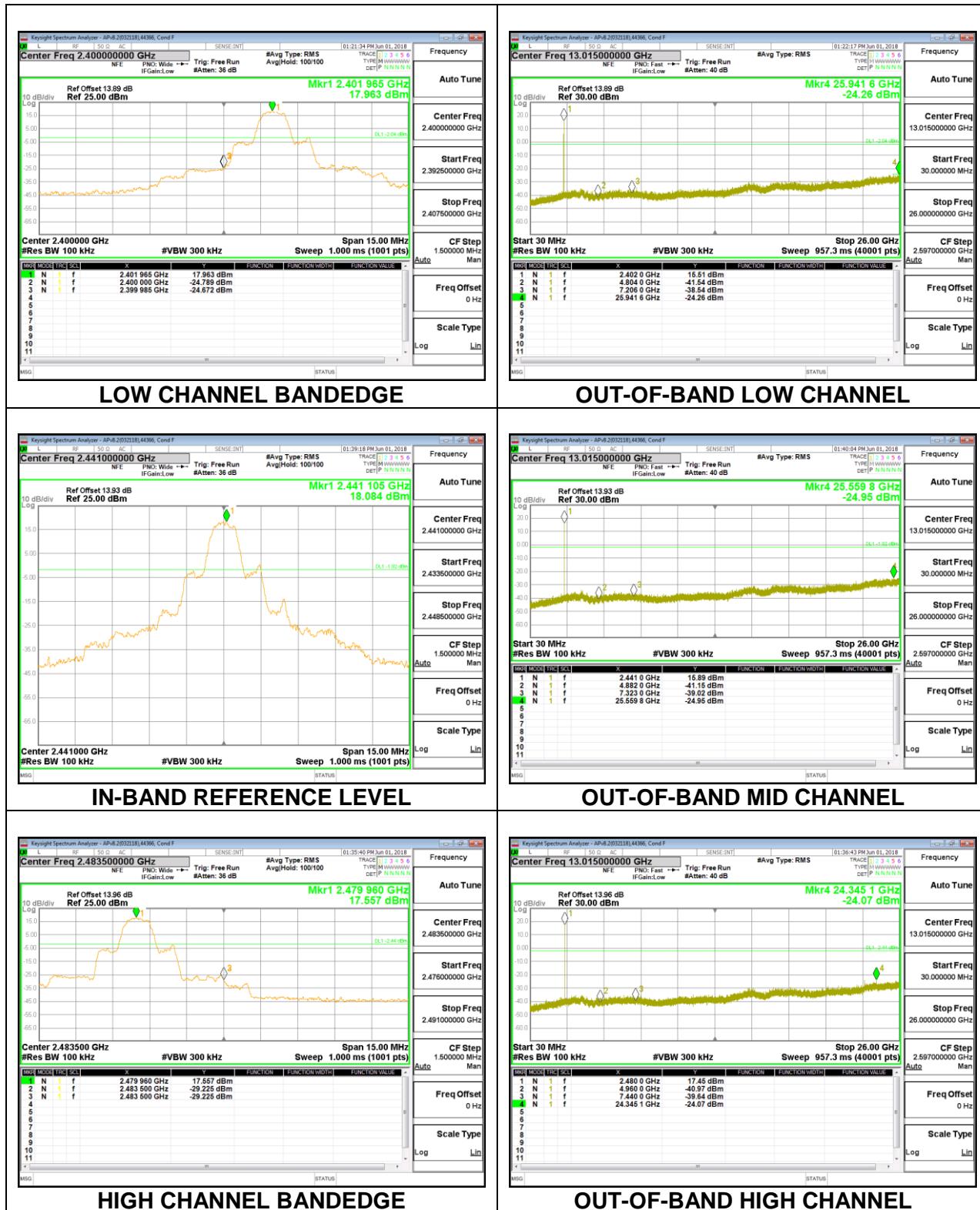


**Antenna 5 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON**



## 8.8.2. HIGH POWER ENCHANCED DATA RATE 8PSK MODULATION

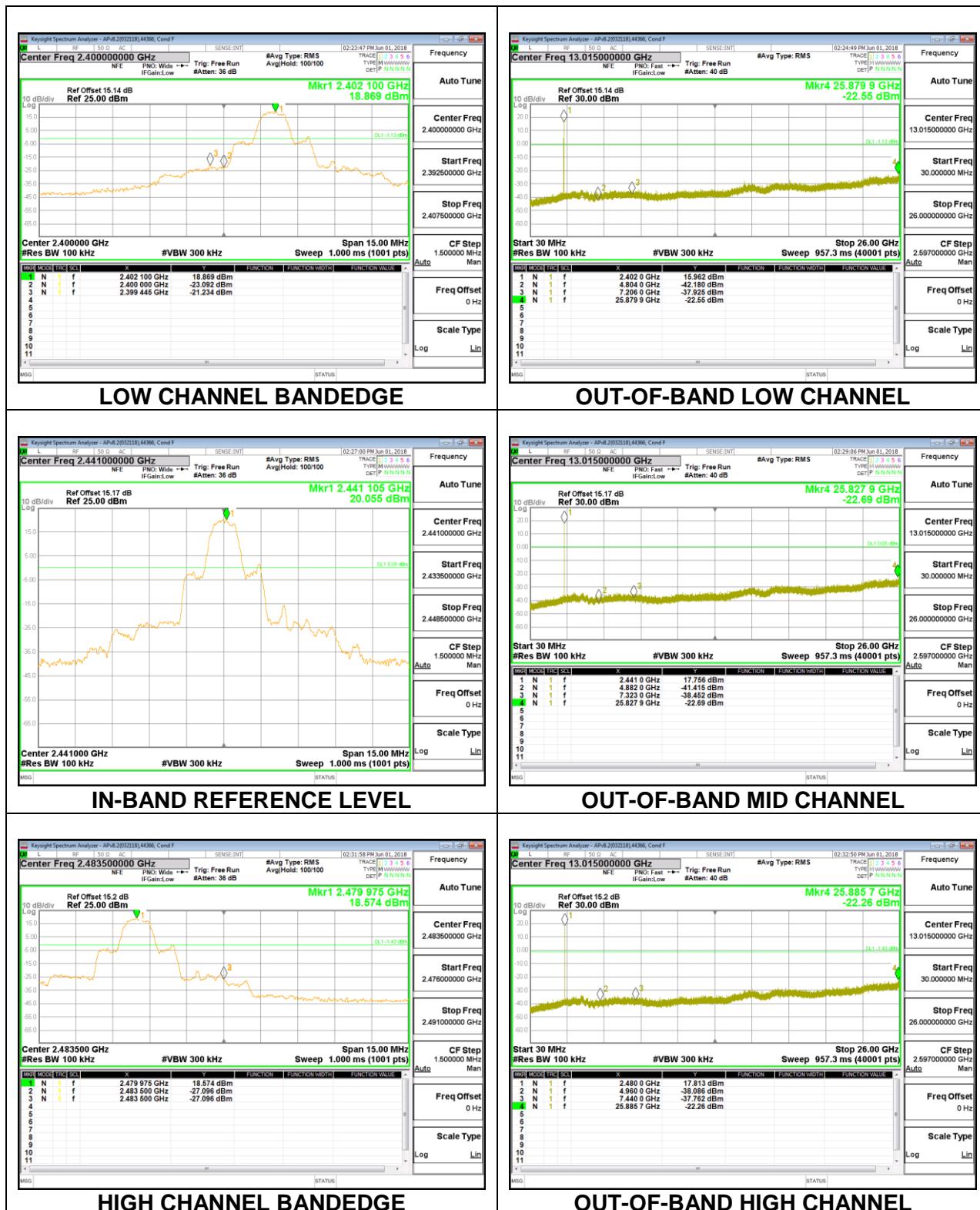
### Antenna 2 SPURIOUS EMISSIONS, NON-HOPPING



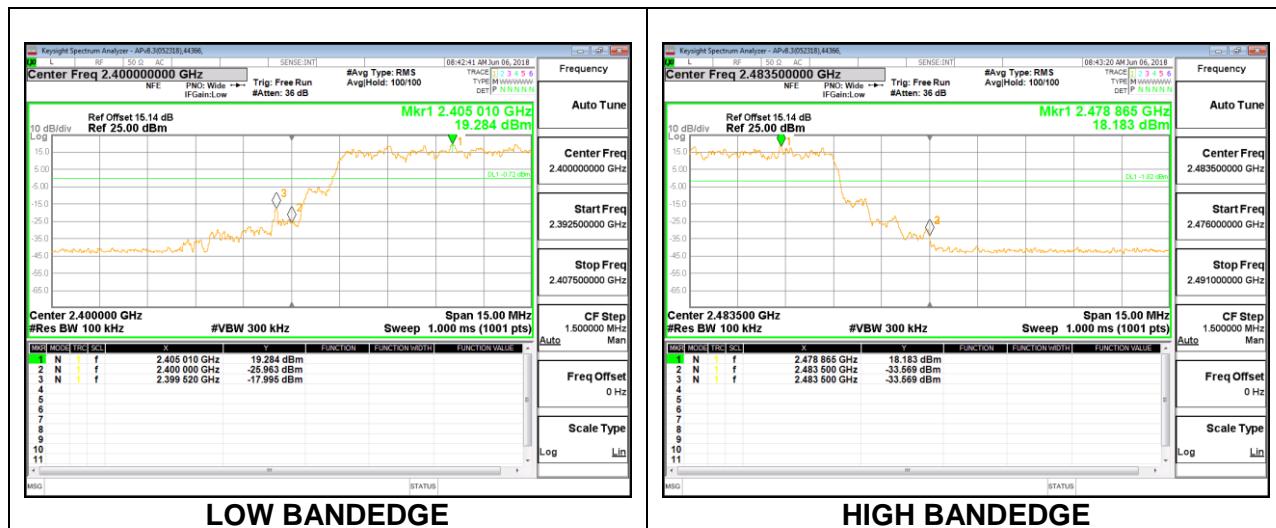
## Antenna 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



**Antenna 5 SPURIOUS EMISSIONS, NON-HOPPING**

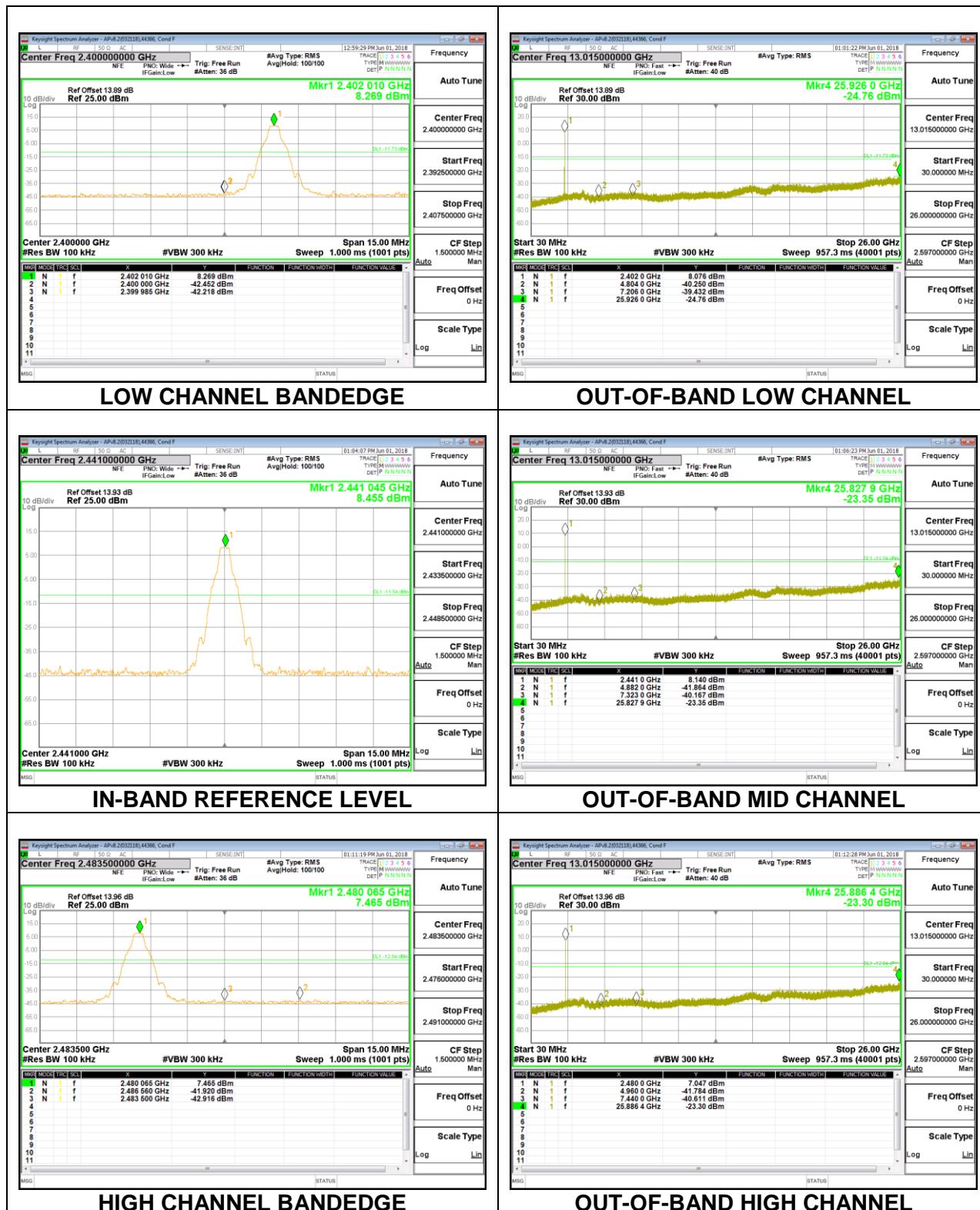


**Antenna 5 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON**

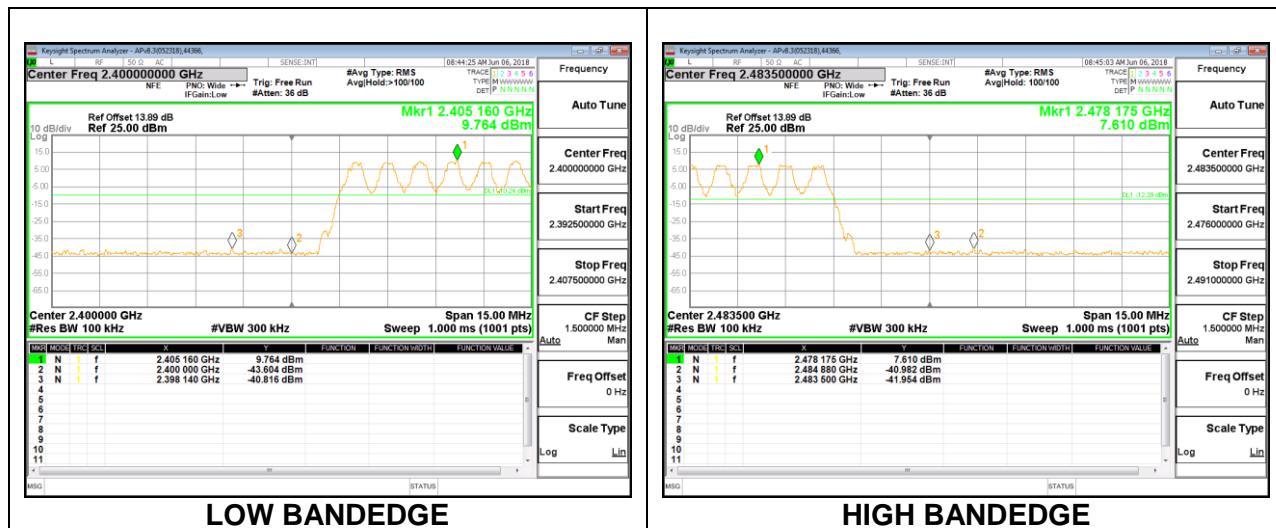


### 8.8.3. LOW POWER BASIC DATA RATE GFSK MODULATION

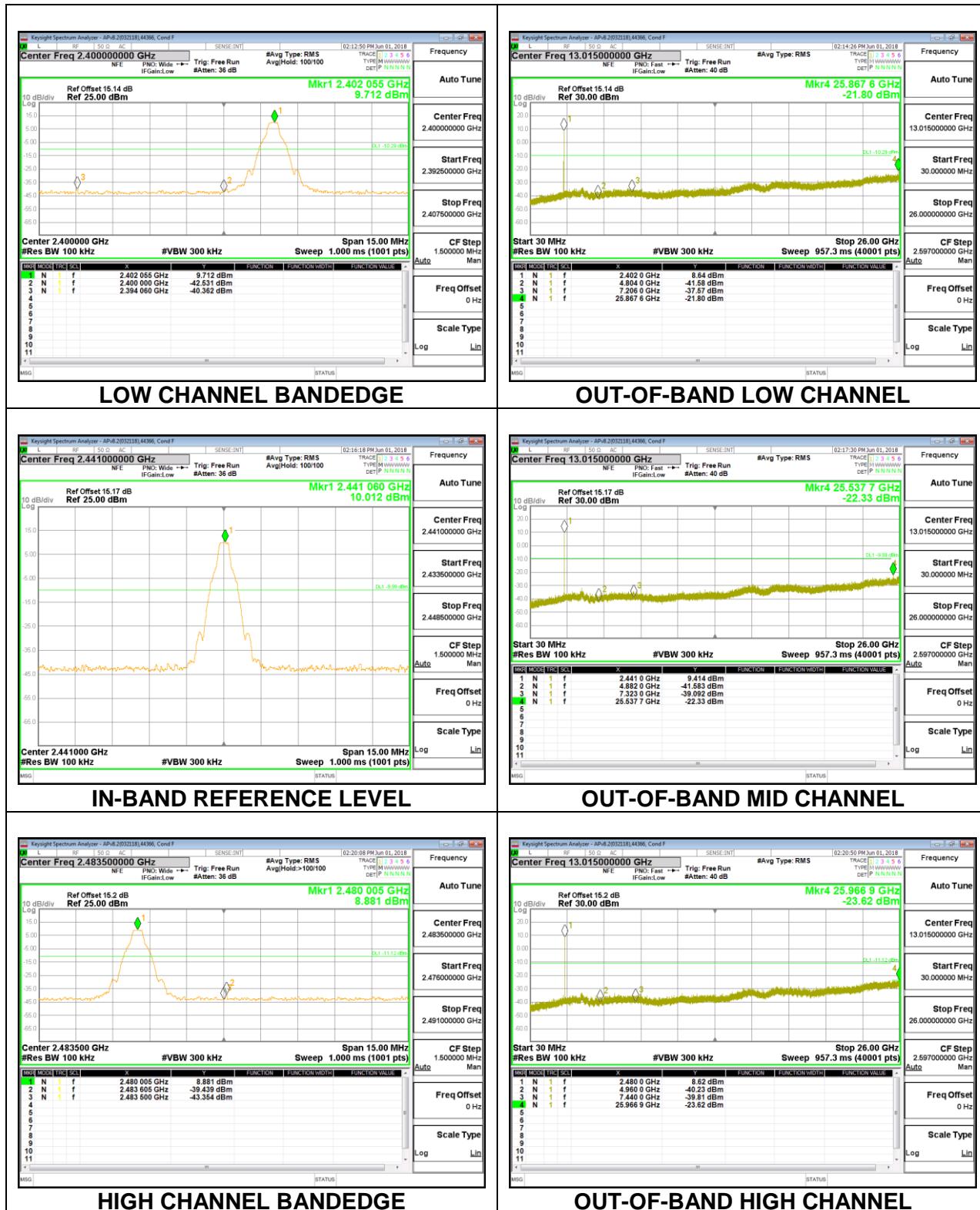
#### Antenna 2 SPURIOUS EMISSIONS, NON-HOPPING



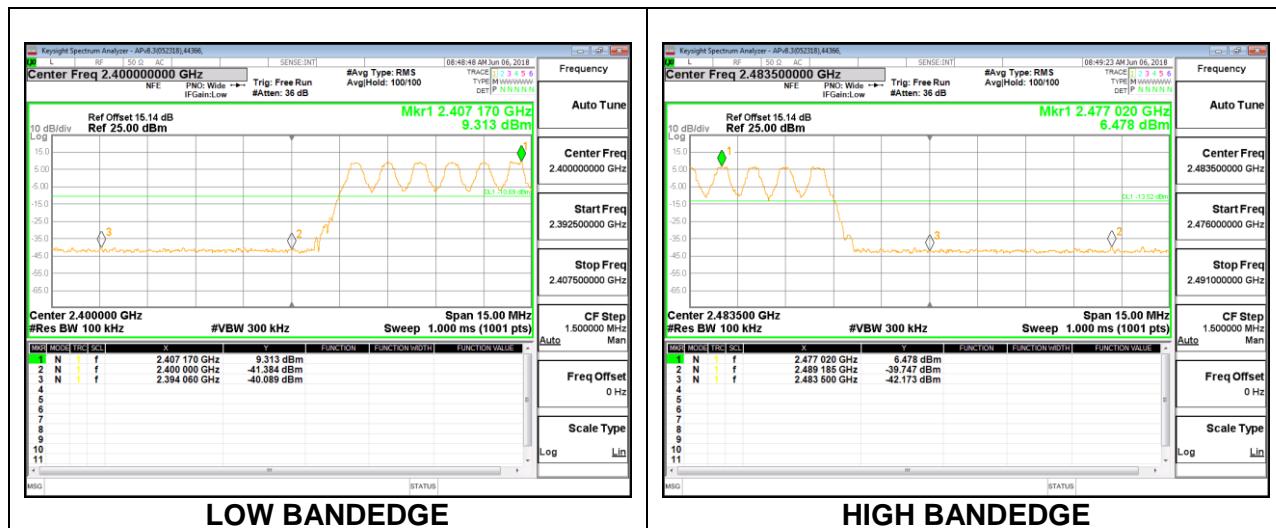
**Antenna 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON**



**Antenna 5 SPURIOUS EMISSIONS, NON-HOPPING**

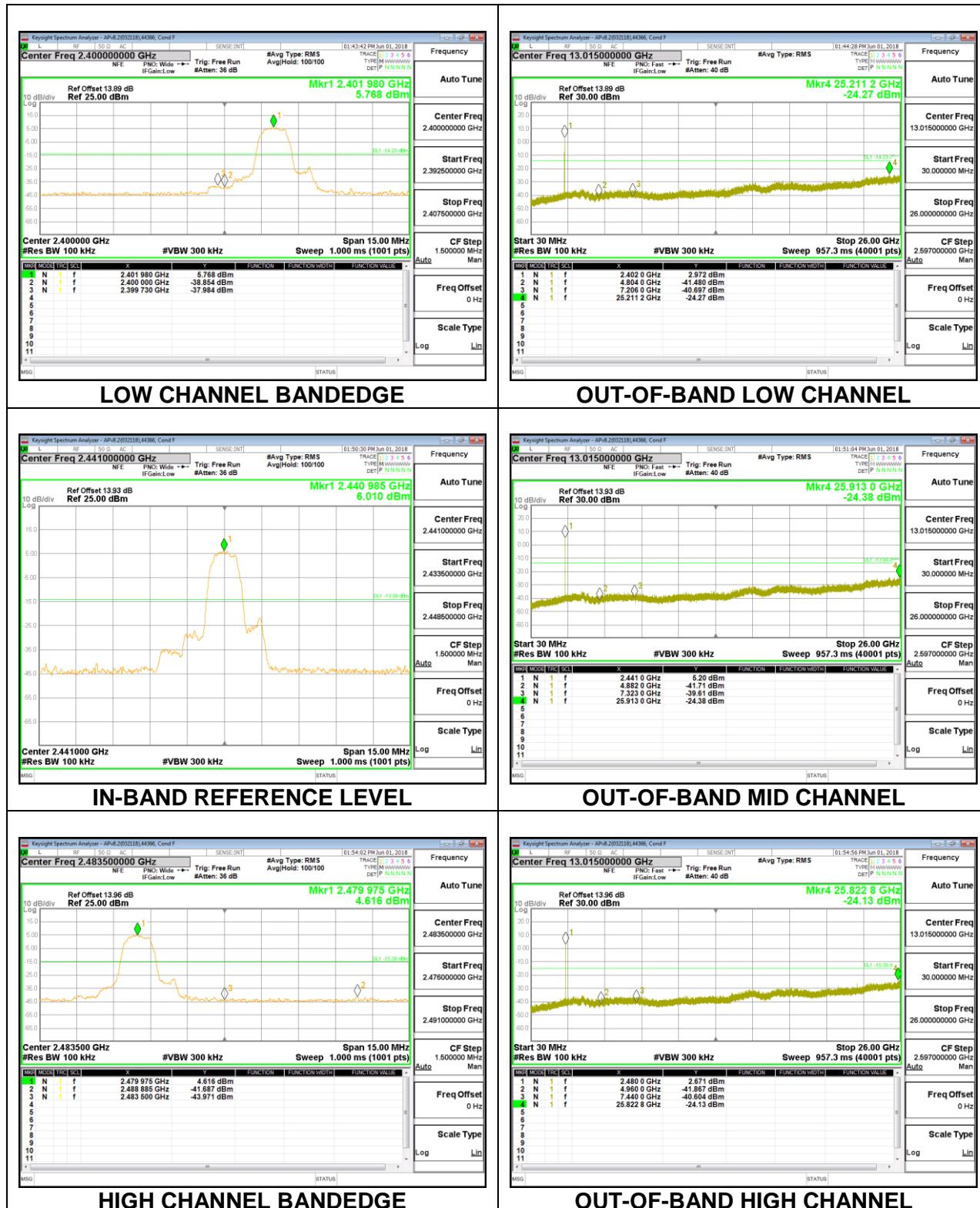


**Antenna 5 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON**



## 8.8.4. LOW POWER ENCHANCED DATA RATE 8PSK MODULATION

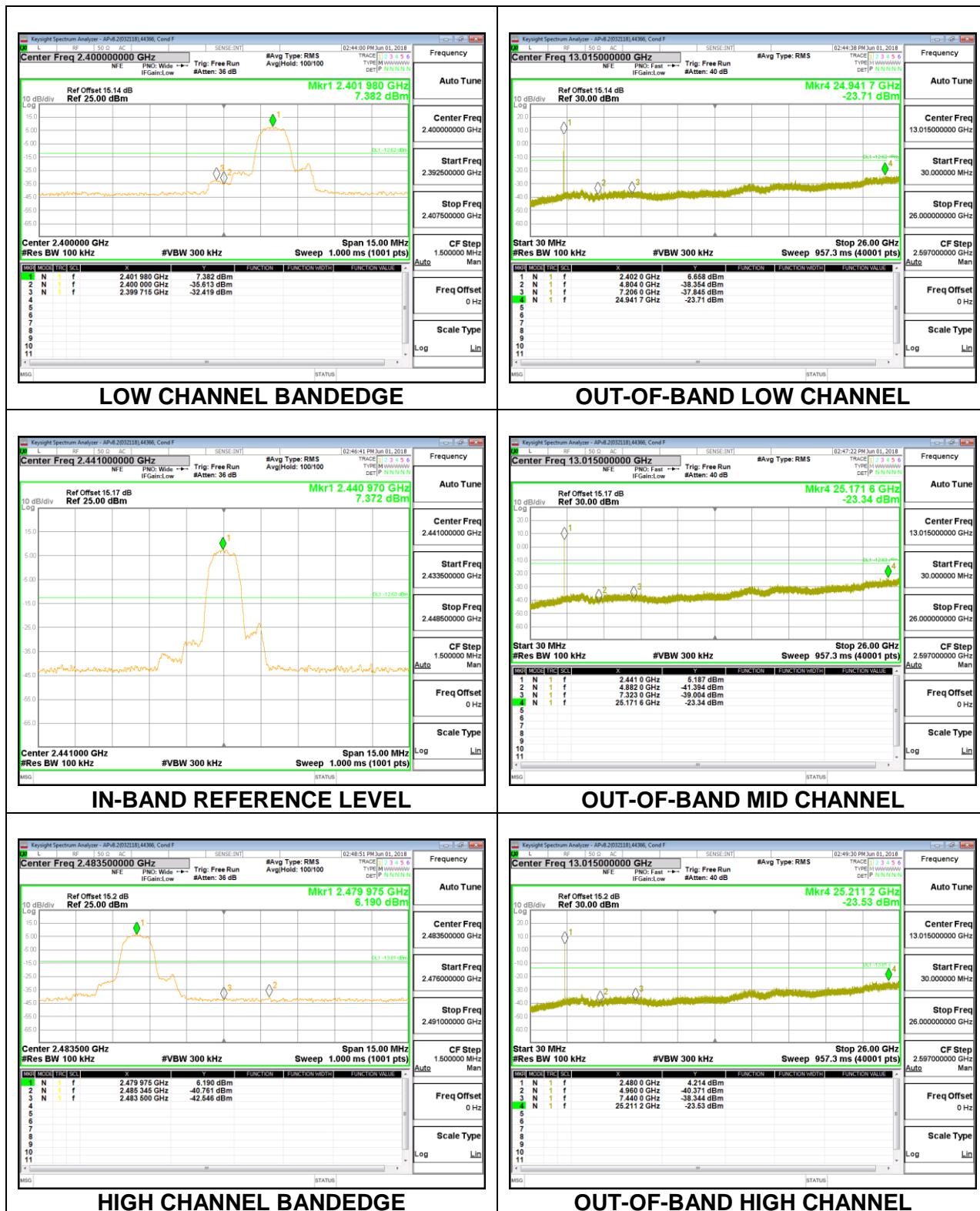
### Antenna 2 SPURIOUS EMISSIONS, NON-HOPPING



**Antenna 2 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON**



**Antenna 5 SPURIOUS EMISSIONS, NON-HOPPING**



**Antenna 5 SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON**

