

### 8.5.1. HIGH POWER HDR (HDR4)

#### Antenna 2

Tested By:	39316
Date:	6/28/2019

Channel	Frequency (MHz)	AV power (dBm)
Low	2404	11.73
Middle	2441	11.75
High	2478	11.72

#### Antenna 5

Tested By:	39316
Date:	6/28/2019

Channel	Frequency (MHz)	AV power (dBm)
Low	2404	11.75
Middle	2441	11.76
High	2478	11.73

### 8.5.2. HIGH POWER HDR (HDR8)

#### Antenna 2

Tested By:	39316
Date:	6/28/2019

Channel	Frequency (MHz)	AV power (dBm)
Low	2404	11.58
Middle	2441	11.62
High	2478	11.55

#### Antenna 5

Tested By:	39316
Date:	6/28/2019

Channel	Frequency (MHz)	AV power (dBm)
Low	2404	11.73
Middle	2441	11.75
High	2478	11.70

### 8.5.3. LOW POWER HDR (HDR4)

#### Antenna 2

Tested By:	39316
Date:	6/28/2019

Channel	Frequency (MHz)	AV power (dBm)
Low	2404	6.22
Middle	2441	6.24
High	2478	6.25

#### Antenna 5

Tested By:	39316
Date:	6/28/2019

Channel	Frequency (MHz)	AV power (dBm)
Low	2404	6.25
Middle	2441	6.04
High	2478	6.24

### 8.5.4. LOW POWER HDR (HDR8)

#### Antenna 2

Tested By:	39316
Date:	6/28/2019

Channel	Frequency (MHz)	AV power (dBm)
Low	2404	6.25
Middle	2441	6.18
High	2478	6.21

#### Antenna 5

Tested By:	39316
Date:	6/28/2019

Channel	Frequency (MHz)	AV power (dBm)
Low	2404	6.41
Middle	2441	6.18
High	2478	6.24

## 8.6. POWER SPECTRAL DENSITY

### LIMITS

FCC §15.247 (e)

RSS-247 (5.2) (b)

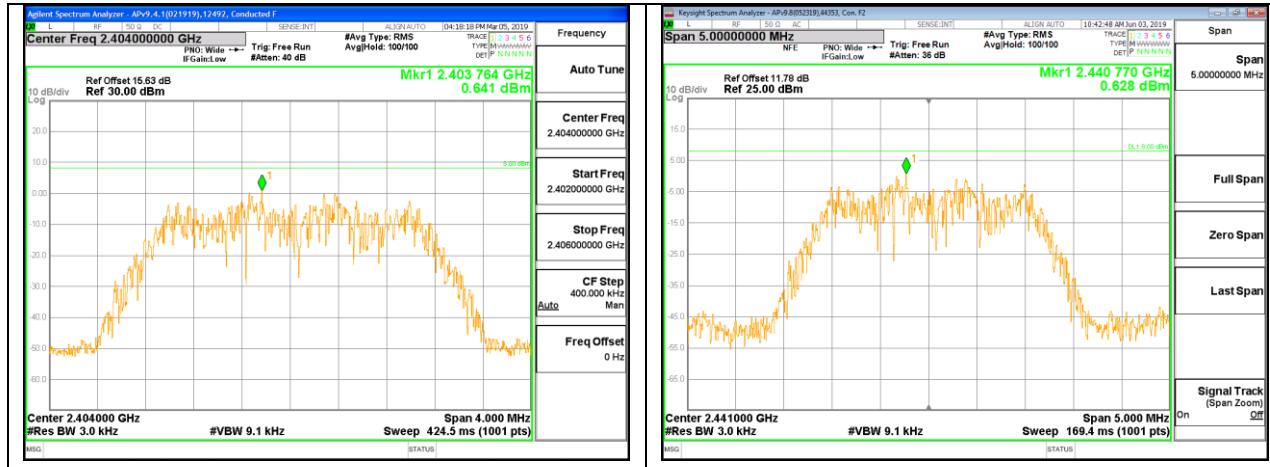
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### RESULTS

## 8.6.1. HIGH POWER HDR (HDR4)

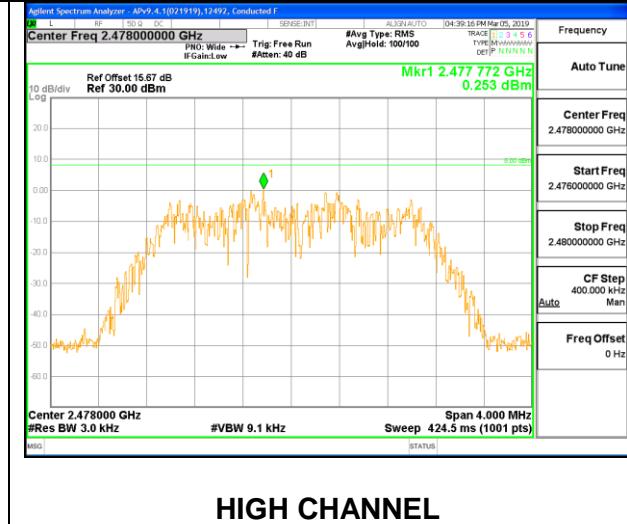
### Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	0.64	8	-7.36
Middle	2441	0.63	8	-7.37
High	2478	0.25	8	-7.75



LOW CHANNEL

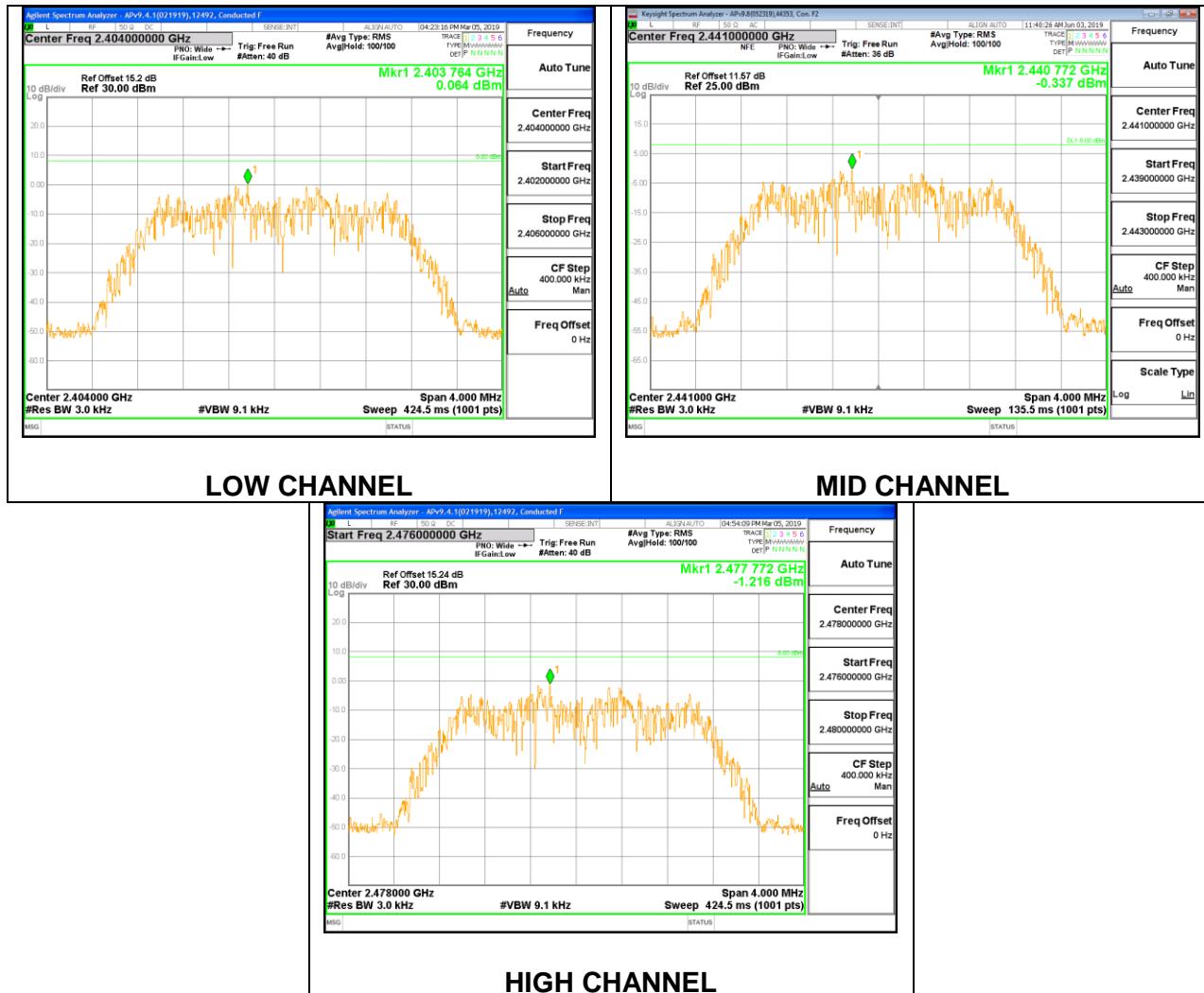
MID CHANNEL



HIGH CHANNEL

Antenna 5

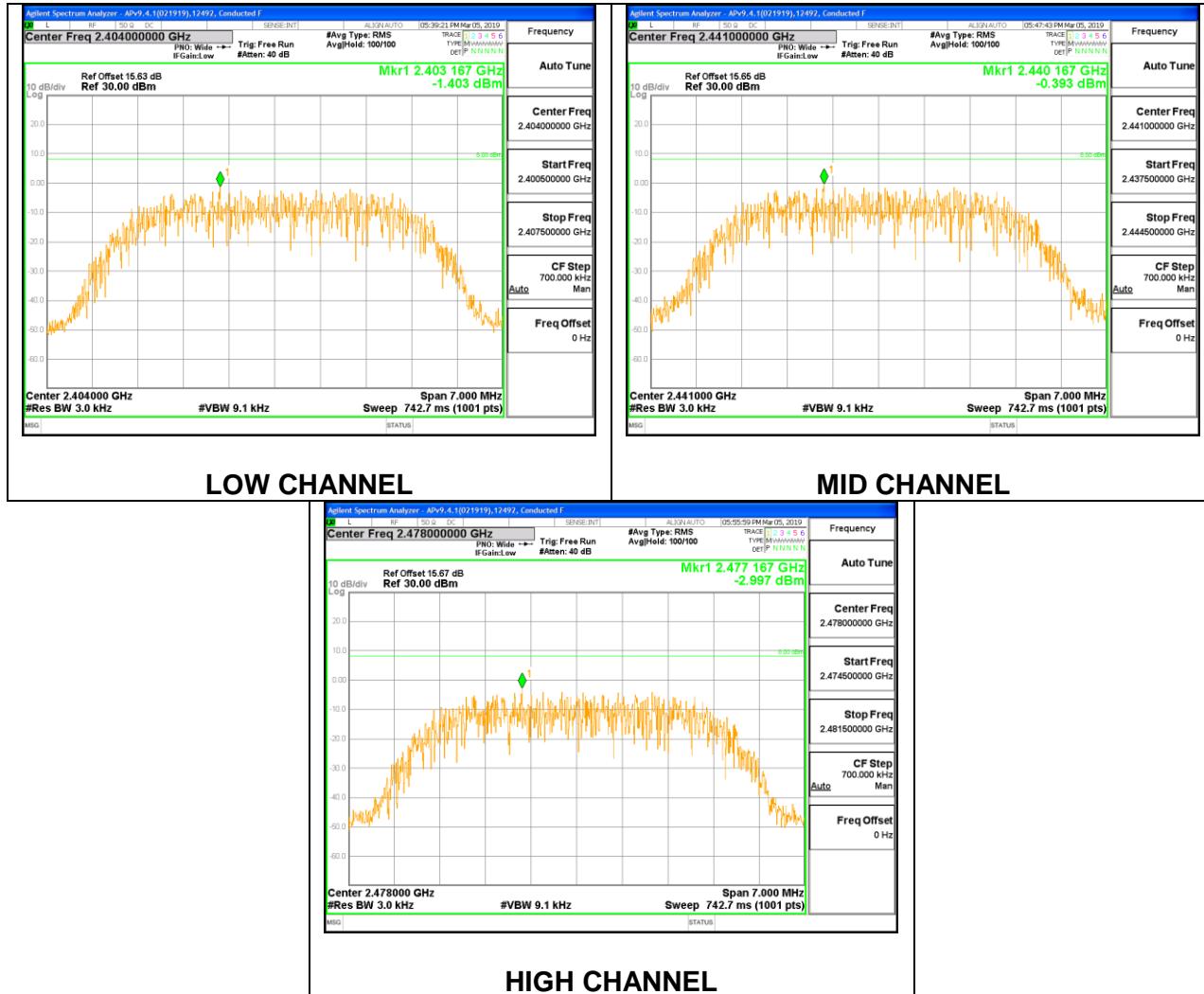
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	0.06	8	-7.94
Middle	2441	-0.34	8	-8.34
High	2478	-1.22	8	-9.22



## 8.6.2. HIGH POWER HDR (HDR8)

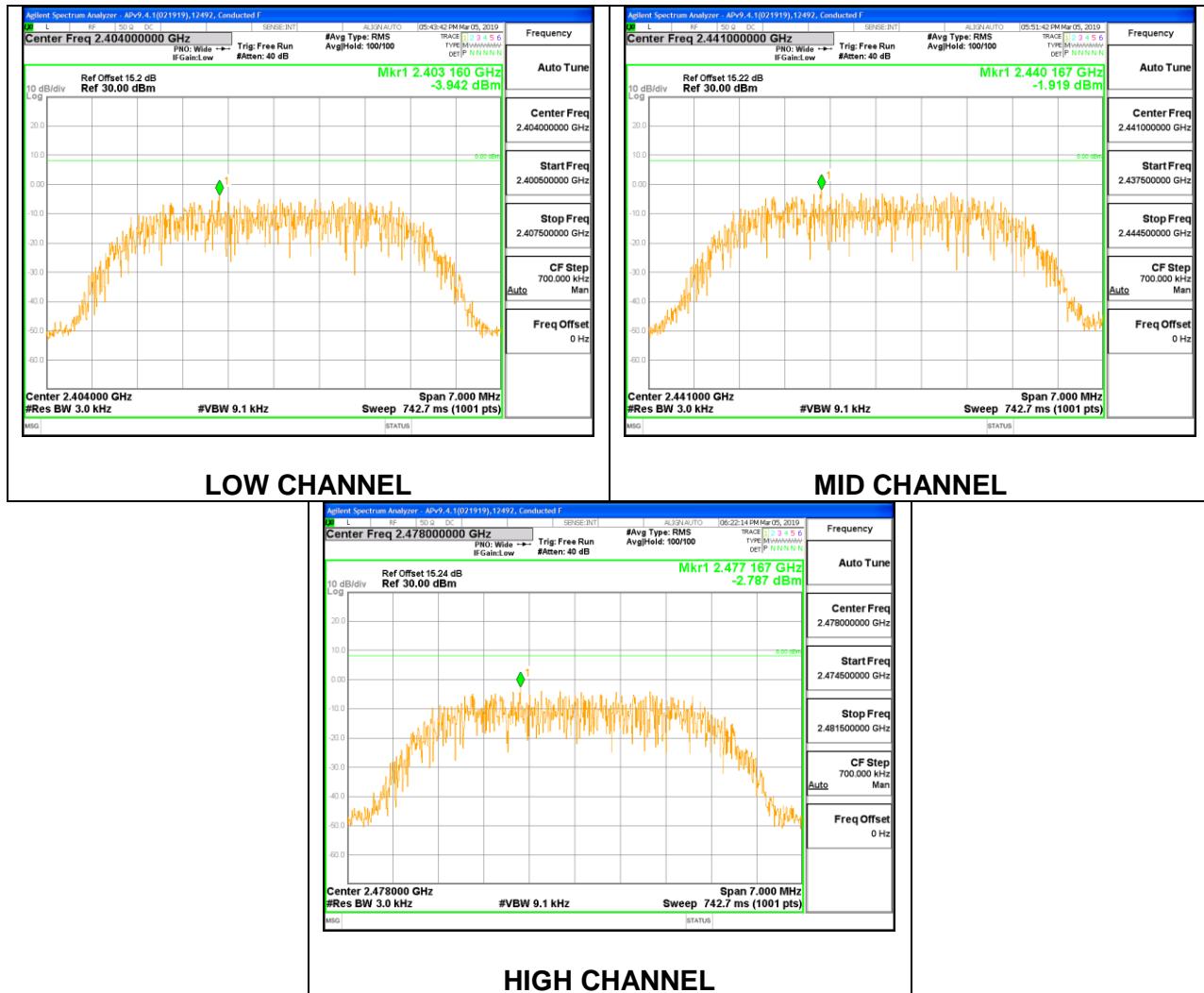
### Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-1.40	8	-9.40
Middle	2441	-0.39	8	-8.39
High	2478	-3.00	8	-11.00



Antenna 5

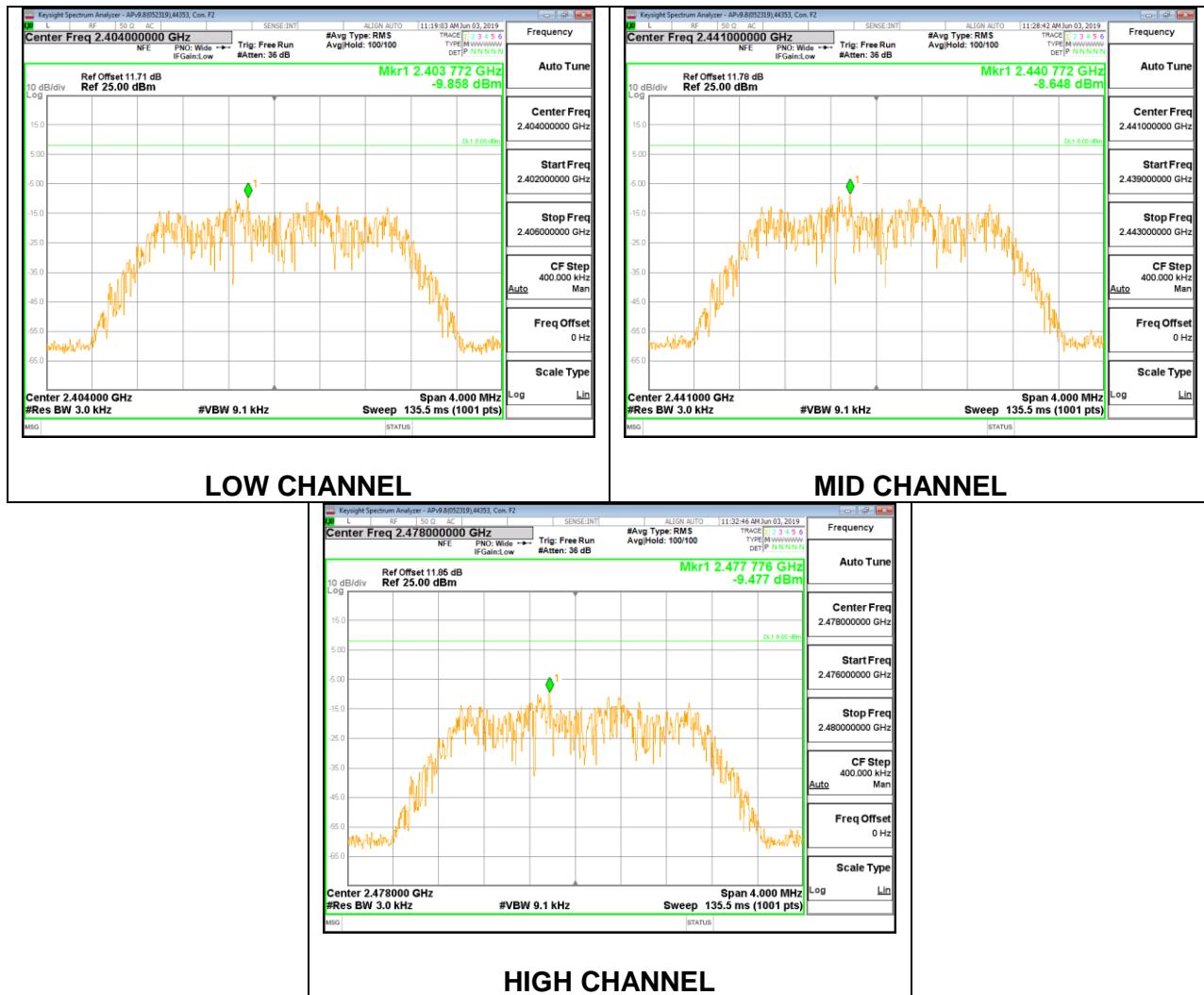
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-3.94	8	-11.94
Middle	2441	-1.92	8	-9.92
High	2478	-2.79	8	-10.79



### 8.6.3. LOW POWER HDR (HDR4)

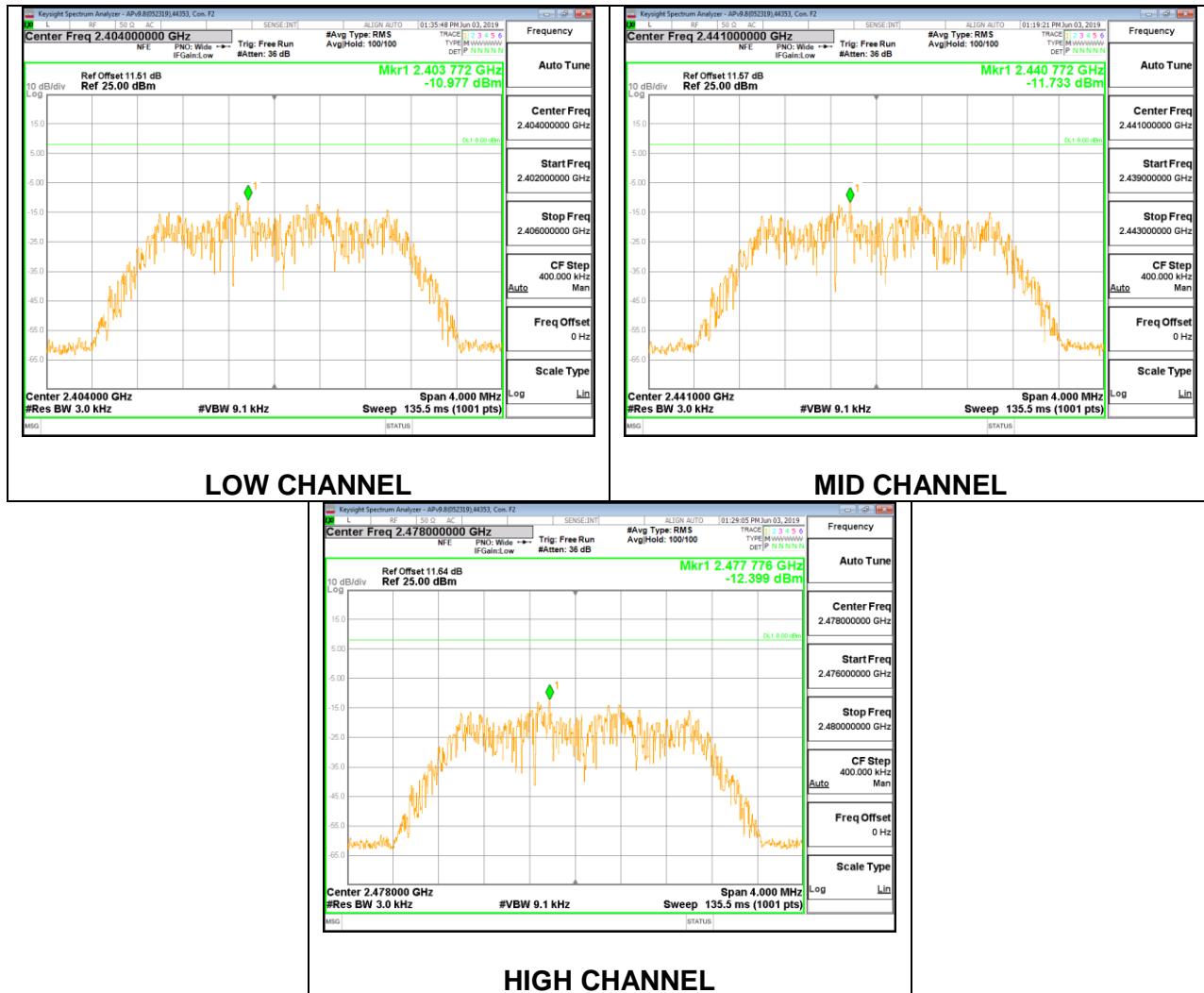
#### Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-9.96	8	-17.96
Middle	2441	-8.65	8	-16.65
High	2478	-9.48	8	-17.48



Antenna 5

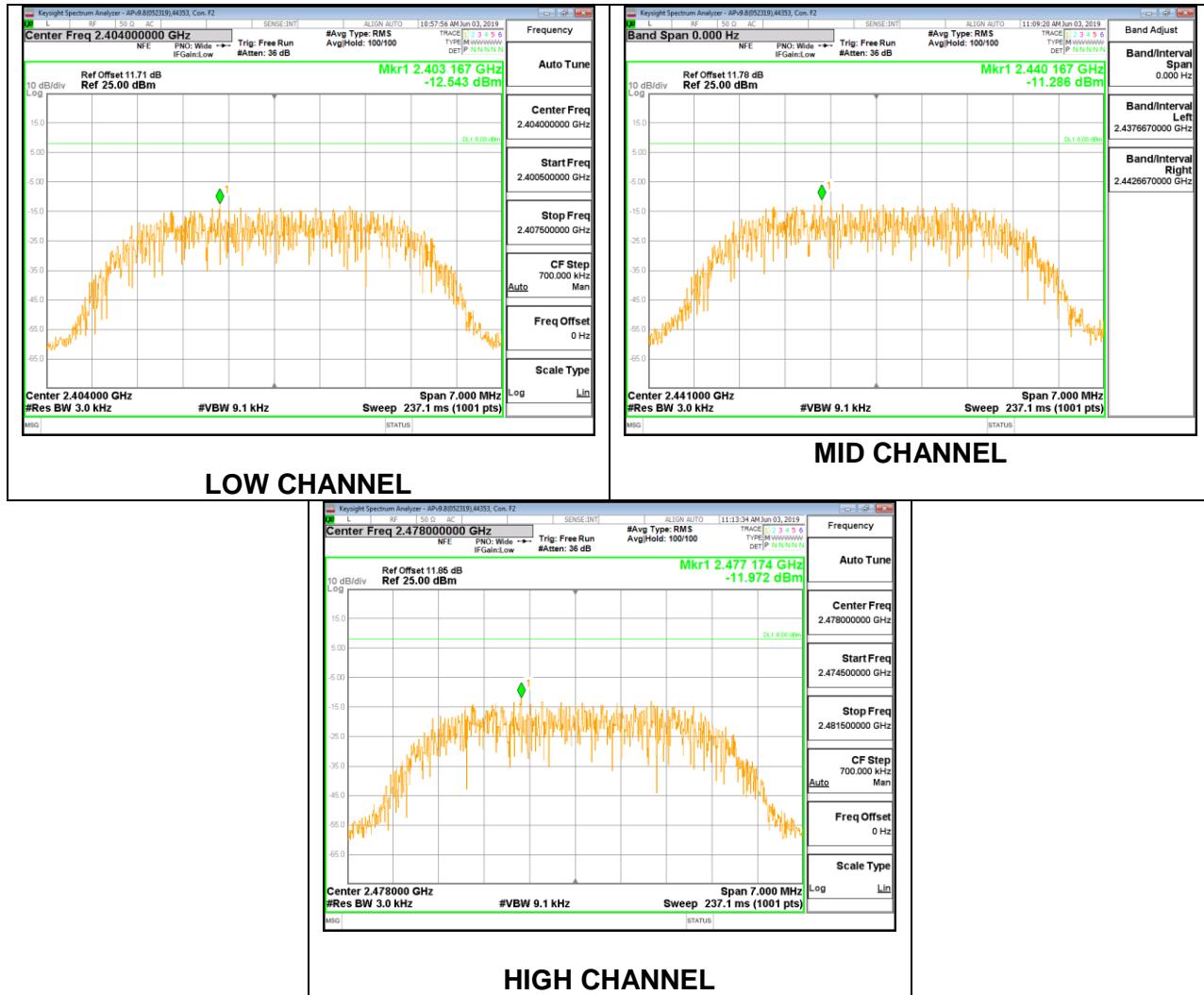
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-10.98	8	-18.98
Middle	2441	-11.73	8	-19.73
High	2478	-12.40	8	-20.40



## 8.6.4. LOW POWER HDR (HDR8)

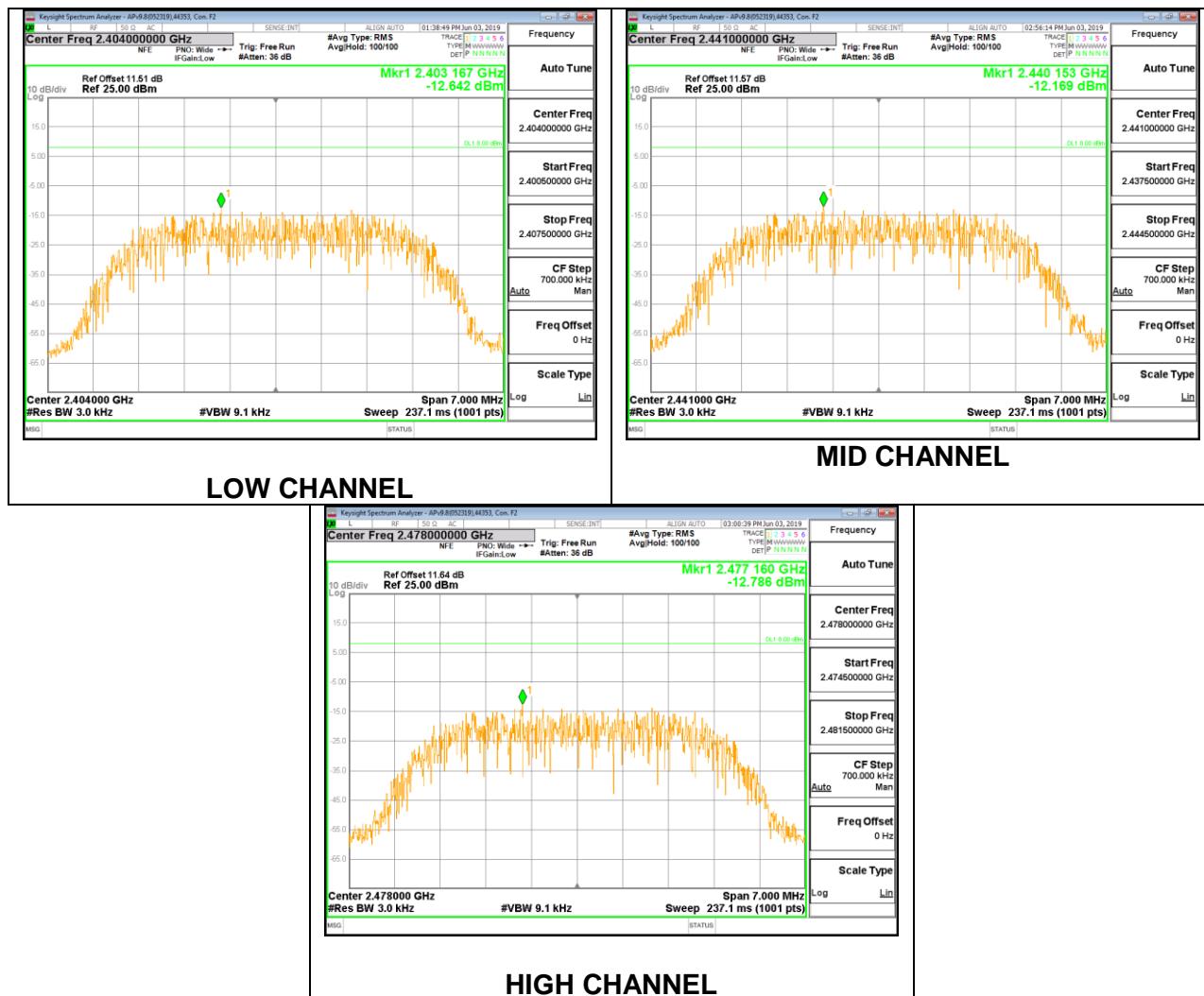
### Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-12.54	8	-20.54
Middle	2441	-11.29	8	-19.29
High	2478	-11.97	8	-19.97



Antenna 5

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-12.64	8	-20.64
Middle	2441	-12.17	8	-20.17
High	2478	-12.79	8	-20.79



## 8.7. CONDUCTED SPURIOUS EMISSIONS

### LIMITS

FCC §15.247 (d)

RSS-247 5.5

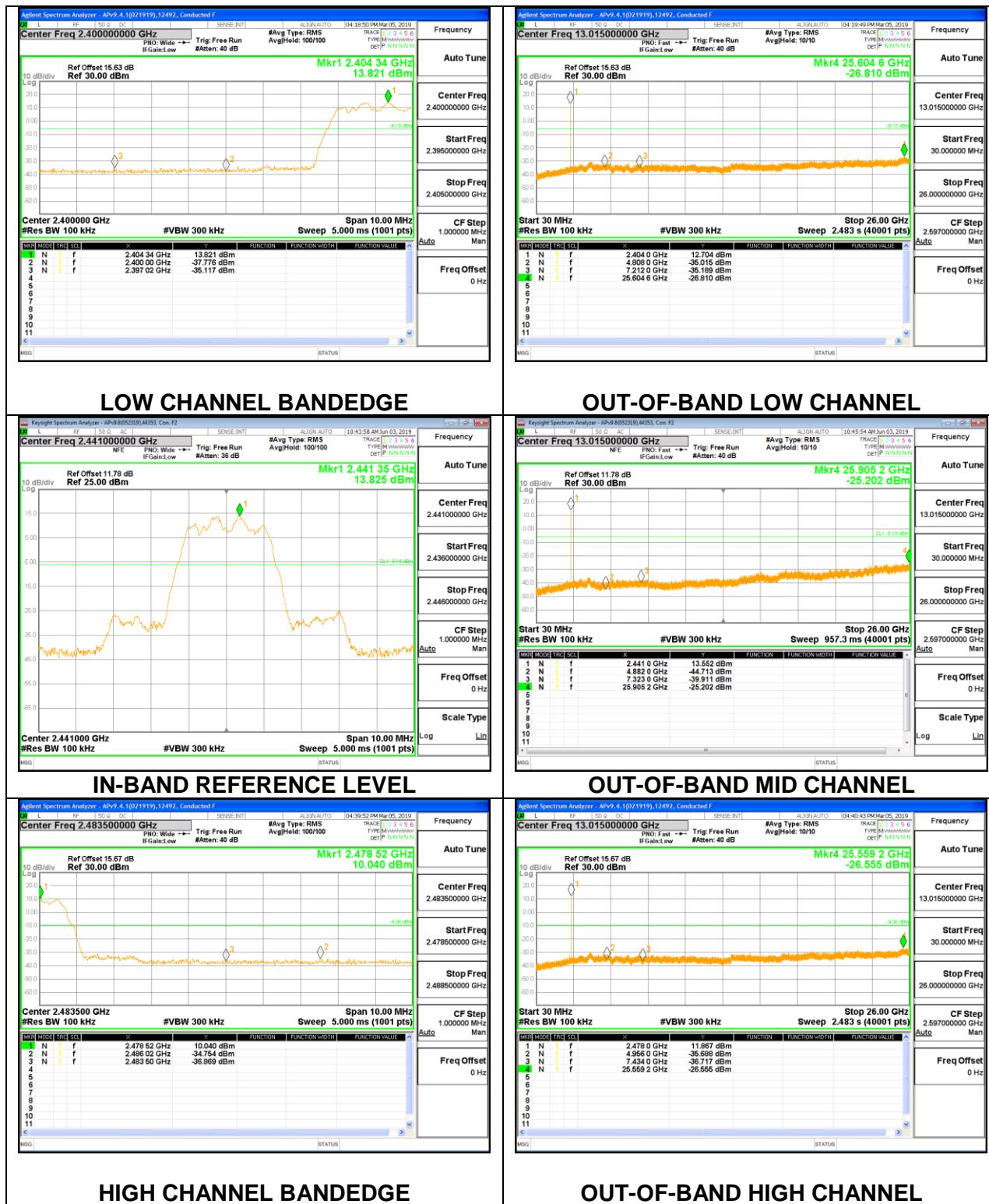
Output power was measured based on the use of a peak measurement, therefore the required attenuation is 20 dB.

Note: Test procedures and setting on beamforming are same as BT HDR normal modes.

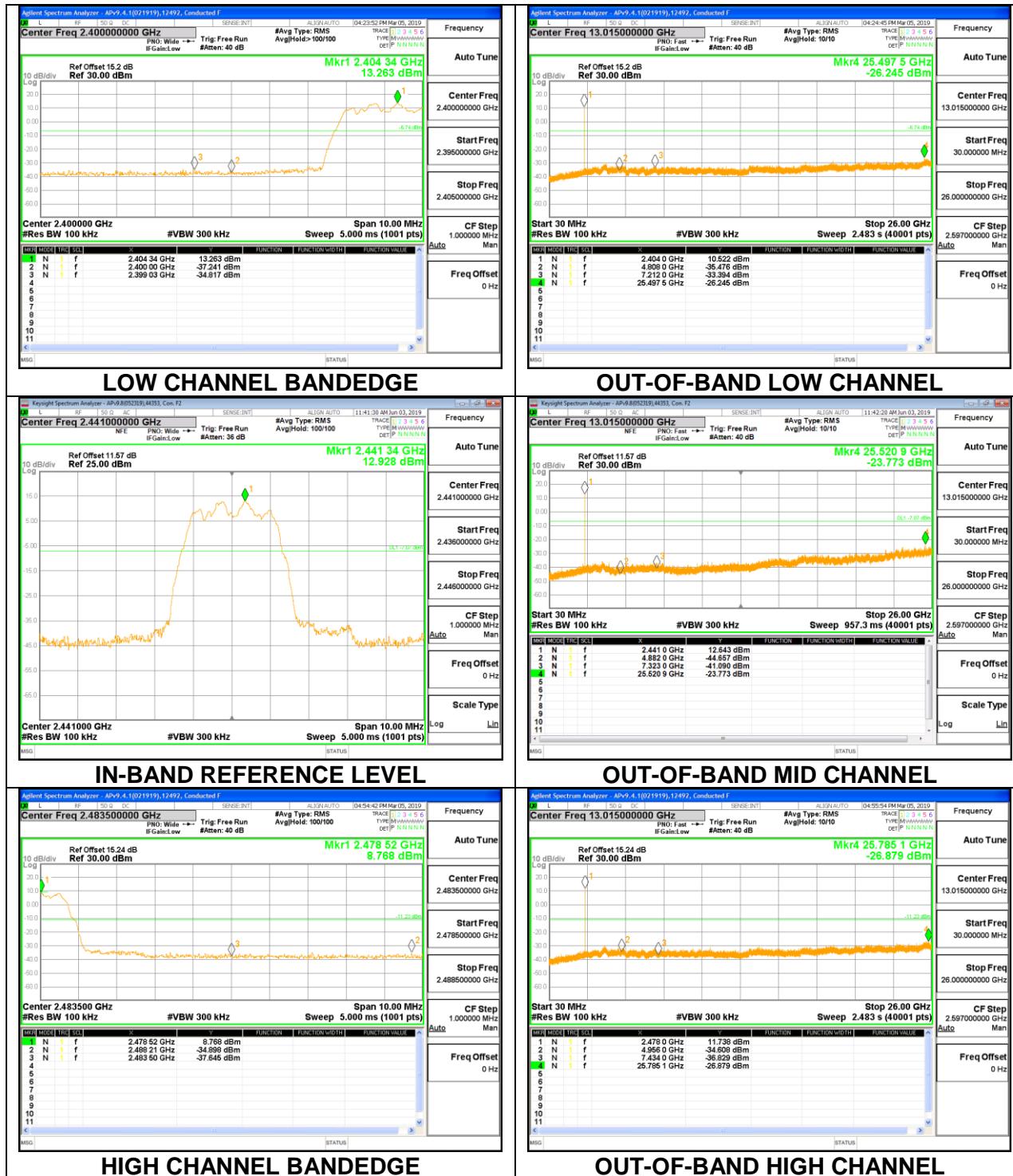
### RESULTS

## 8.7.1. HIGH POWER HDR (HDR4)

### Antenna 2

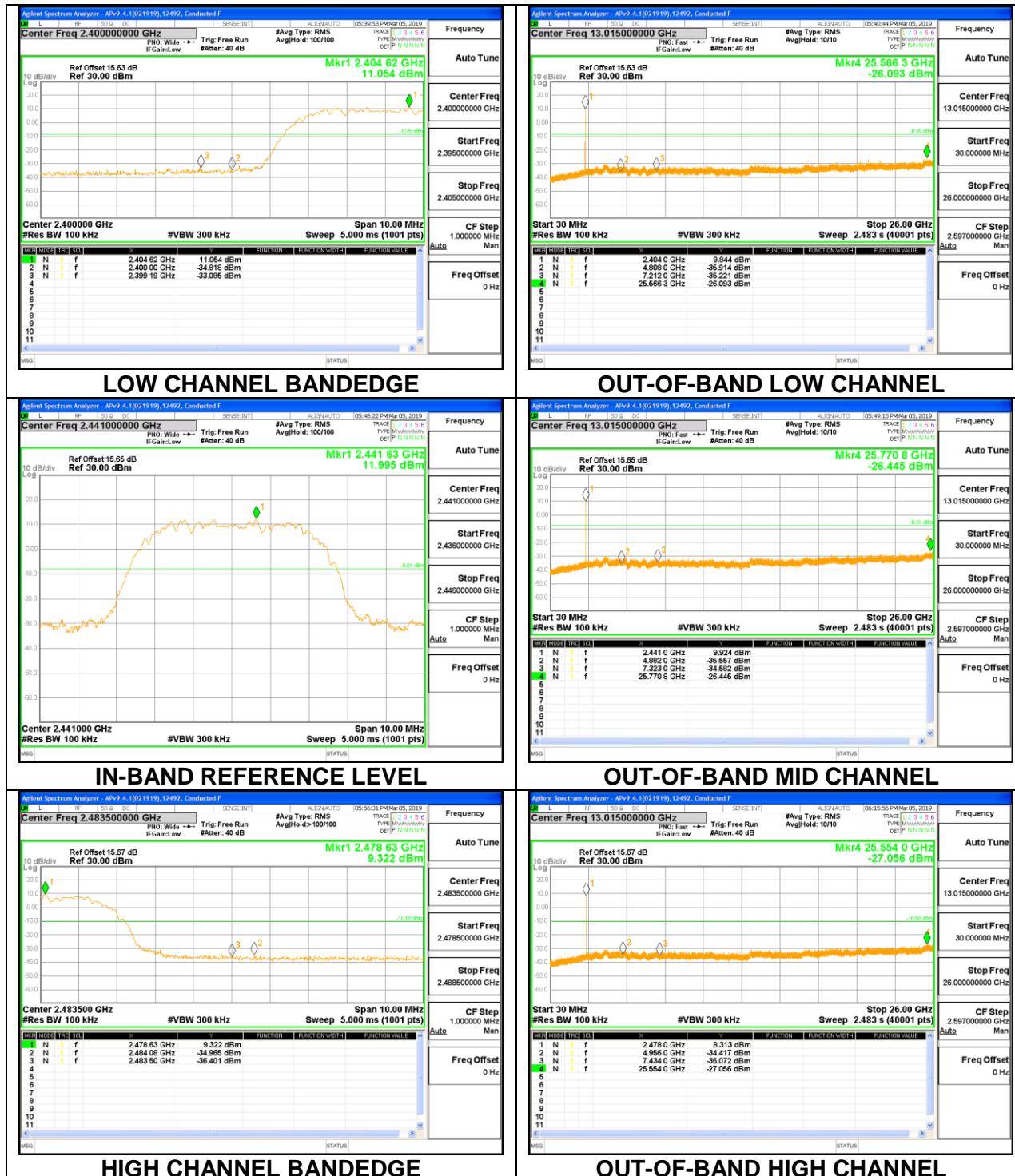


Antenna 5

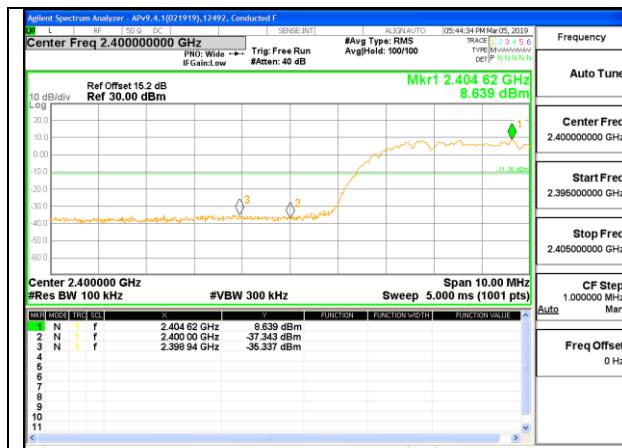


## 8.7.2. HIGH POWER HDR (HDR8)

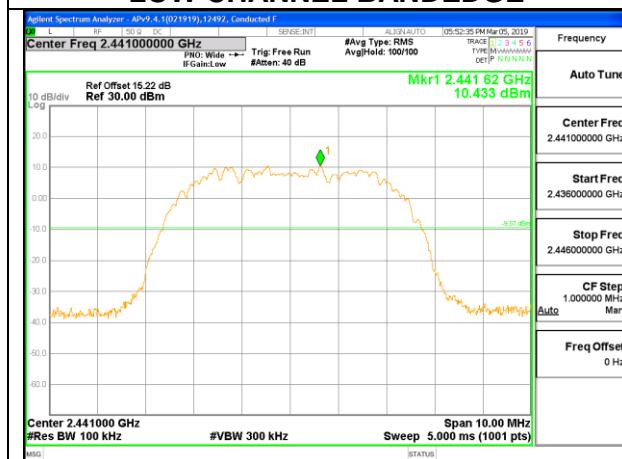
### Antenna 2



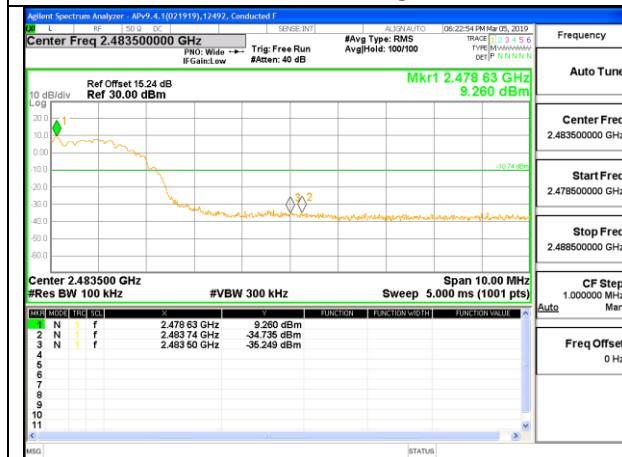
## Antenna 5



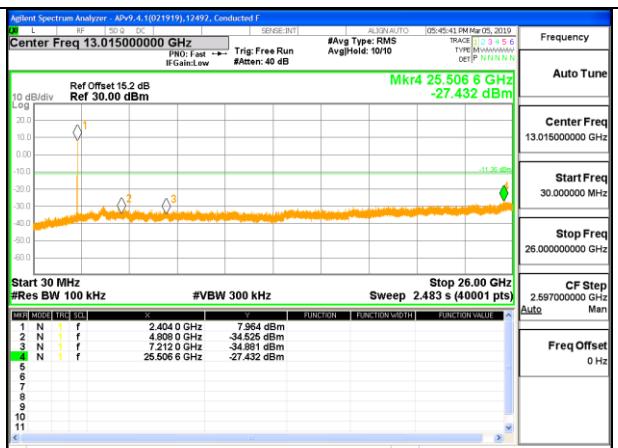
## LOW CHANNEL BANDEDGE



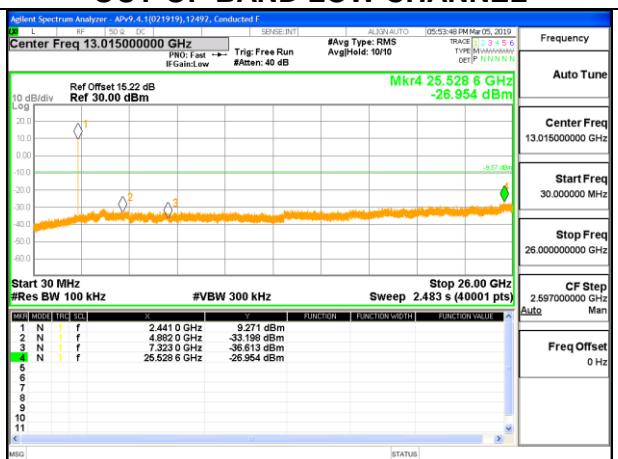
## IN-BAND REFERENCE LEVEL



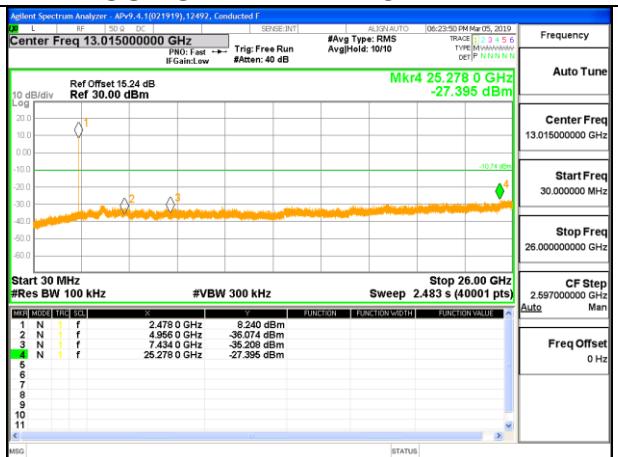
## HIGH CHANNEL BANDEDGE



## OUT-OF-BAND LOW CHANNEL



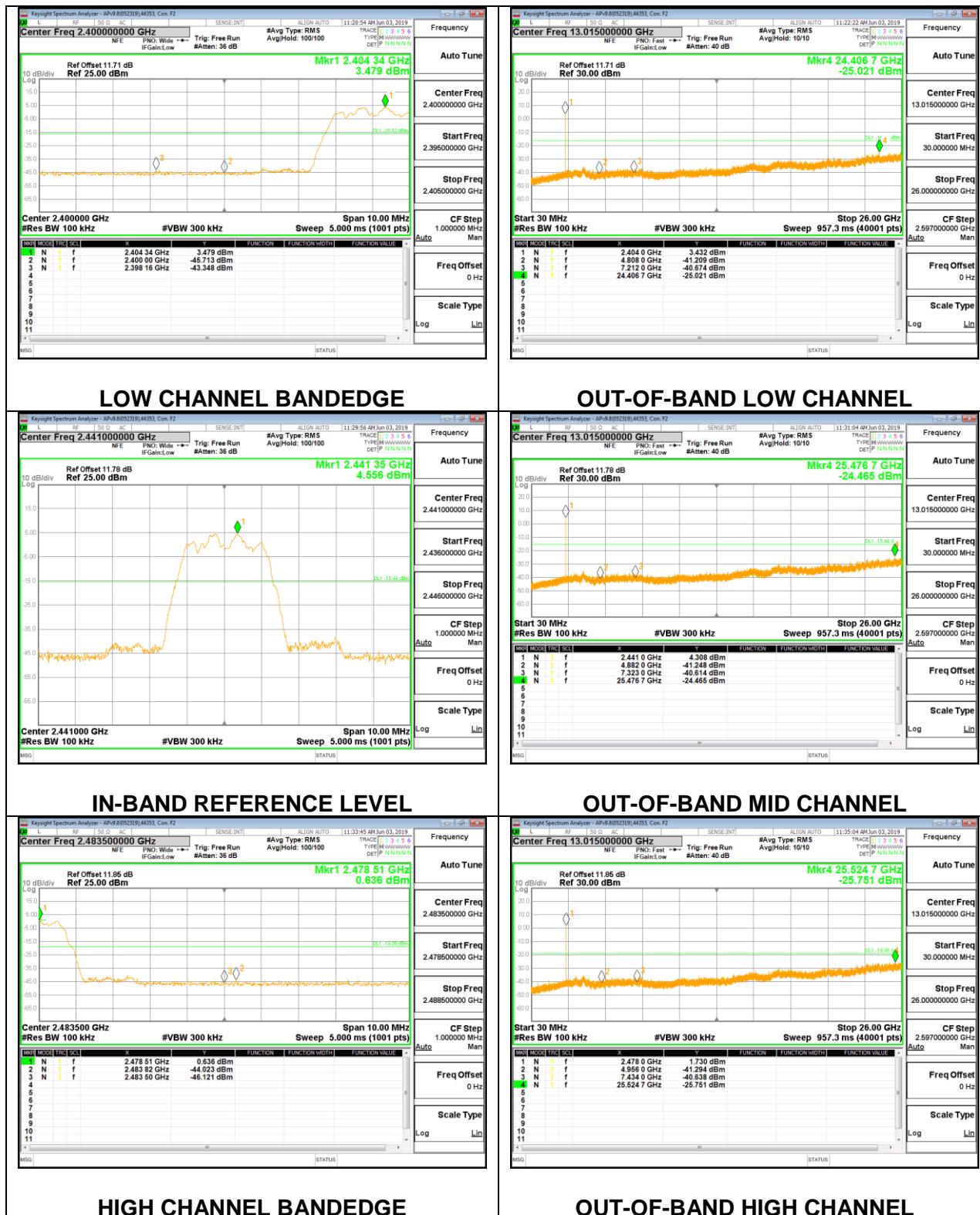
## OUT-OF-BAND MID CHANNEL



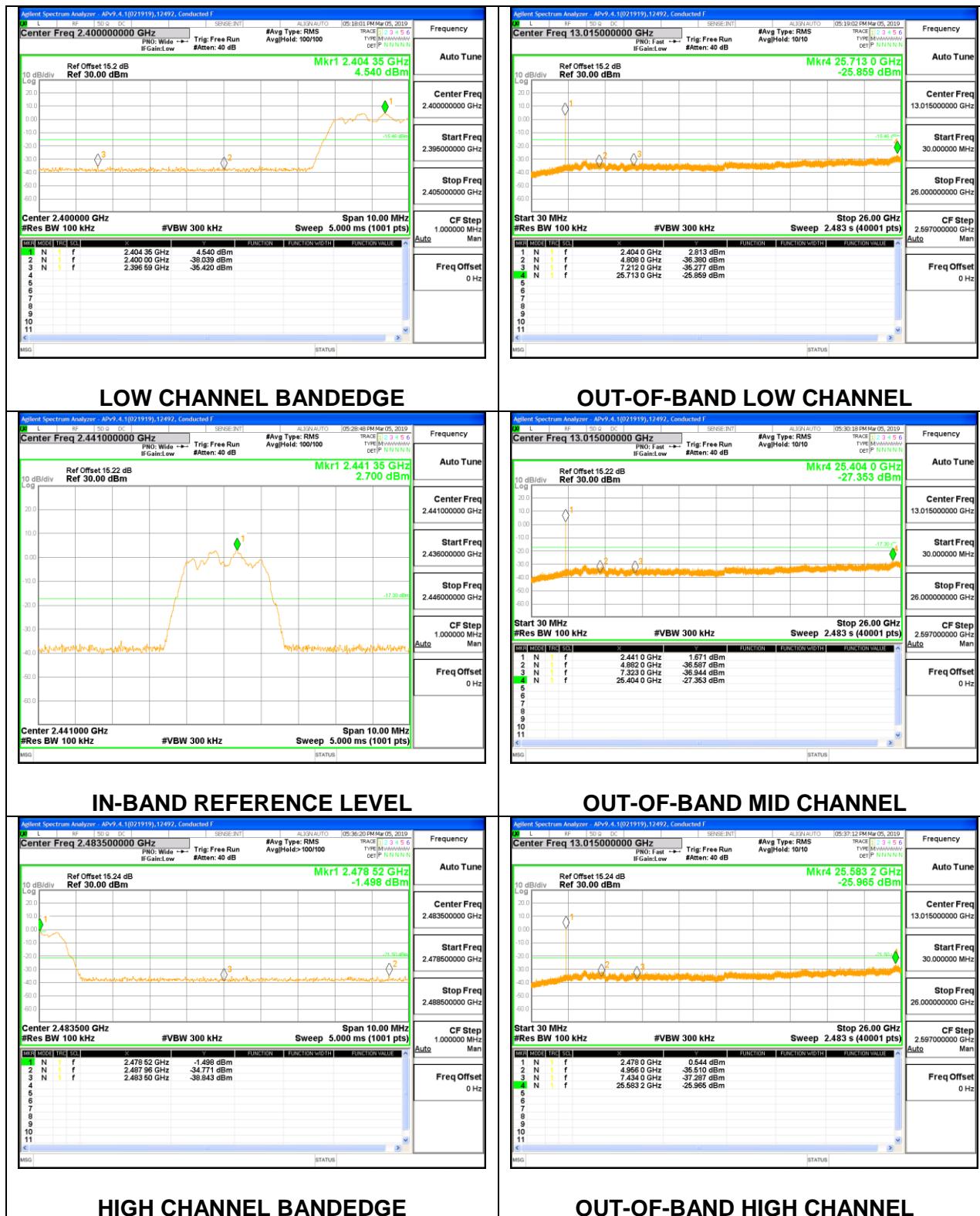
## OUT-OF-BAND HIGH CHANNEL

### 8.7.3. LOW POWER HDR (HDR4)

#### Antenna 2

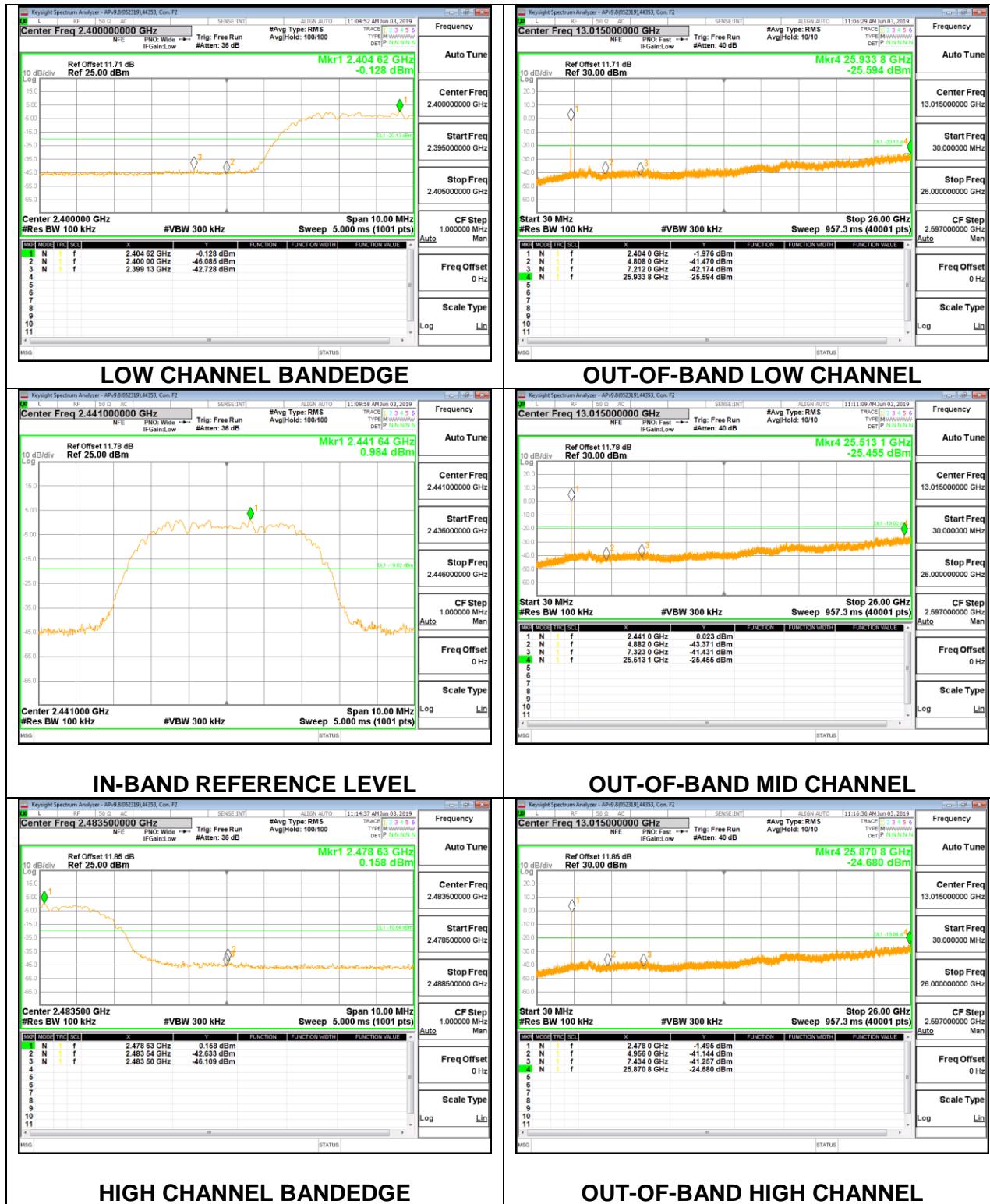


Antenna 5



## 8.7.4. LOW POWER HDR (HDR8)

### Antenna 2



Antenna 5

