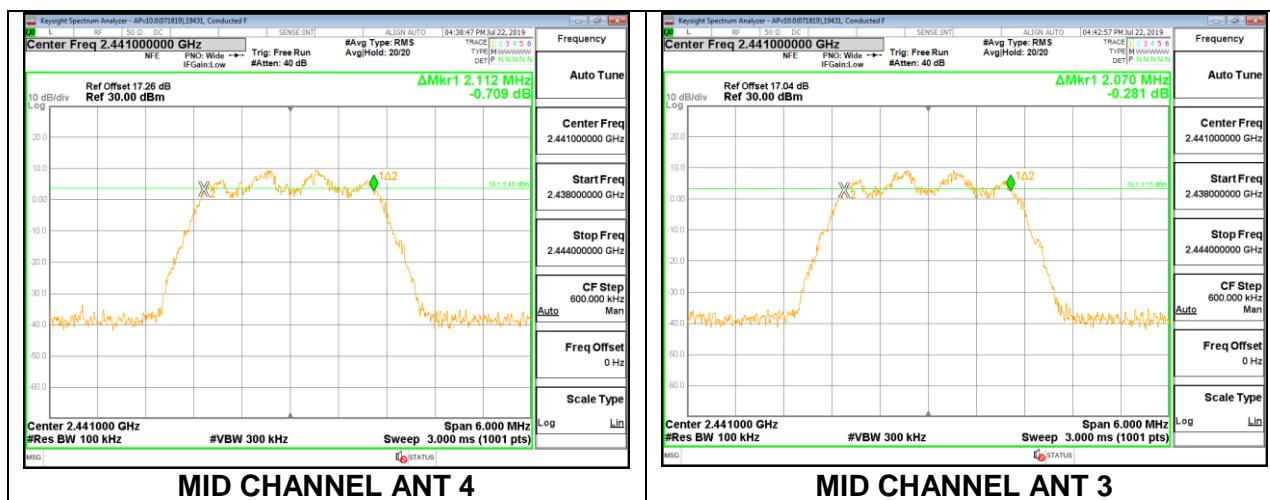
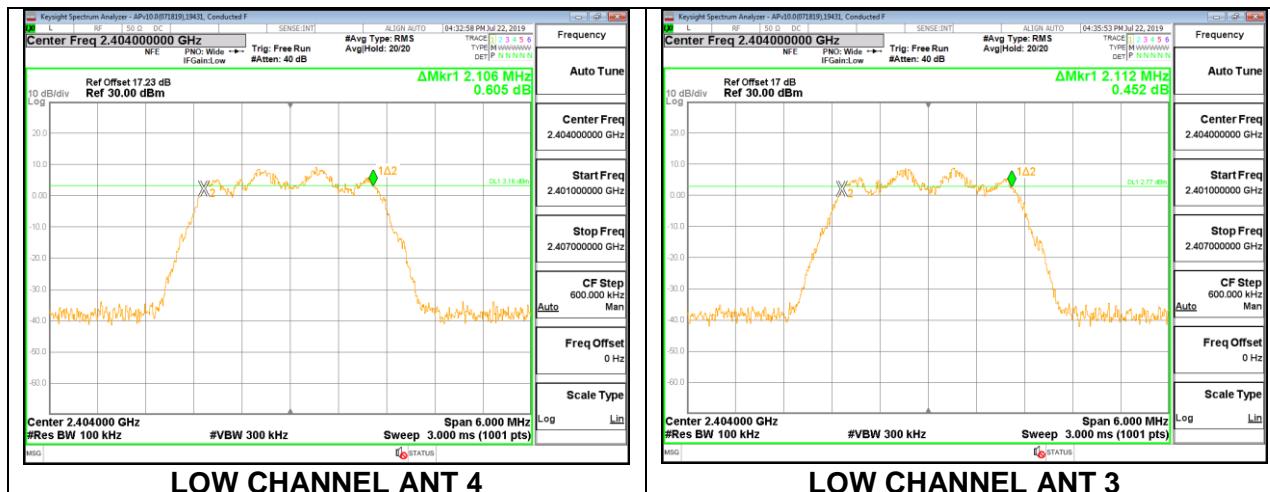
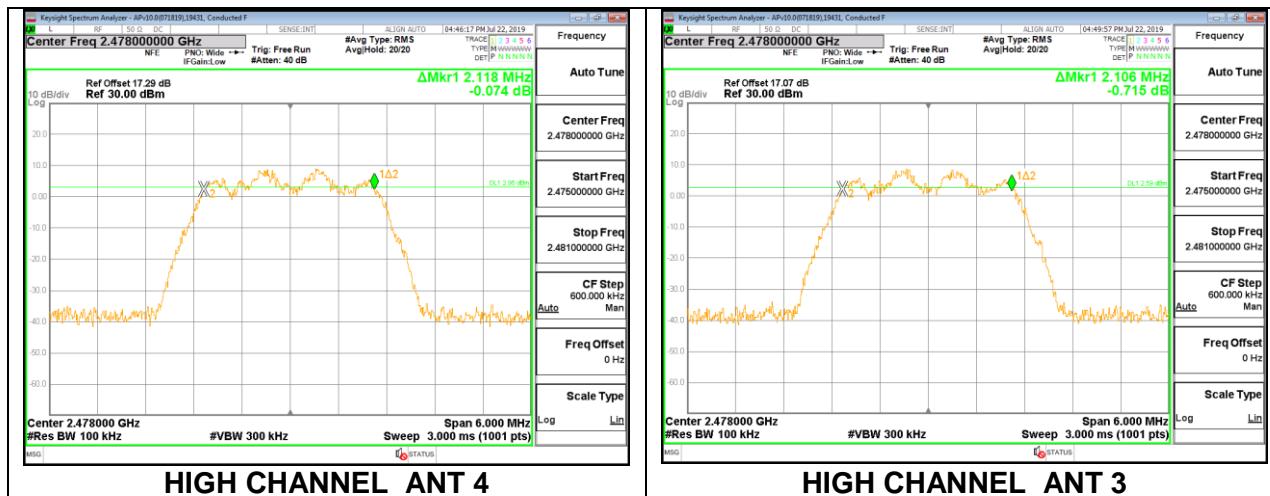


## 8.11. BEAMFORMING, 6dB BANDWIDTH

### 8.11.1. HDR4, HIGH POWER BLE

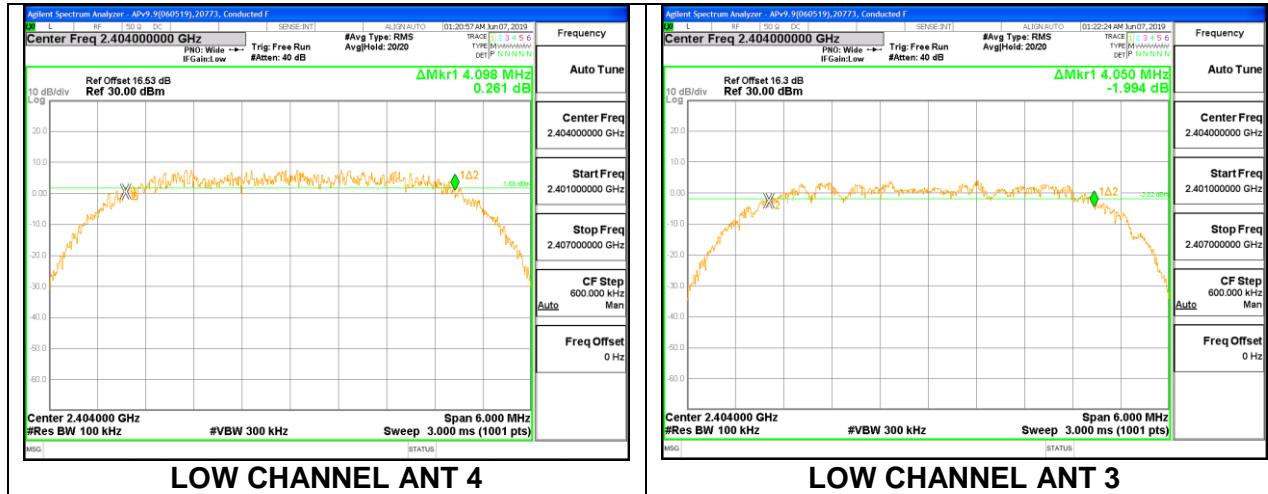
Channel	Frequency (MHz)	6dB Bandwidth ANT 4 (MHz)	6dB Bandwidth ANT 3 (MHz)
Low	2404	2.106	2.112
Mid	2441	2.112	2.070
High	2478	2.118	2.106





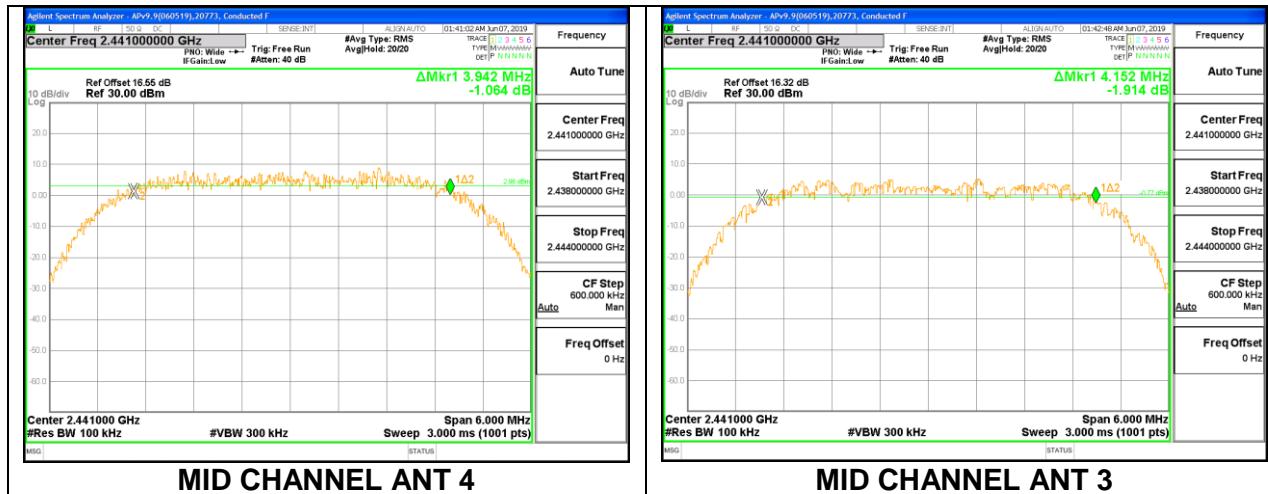
## 8.11.2. HDR8, HIGH POWER BLE

Channel	Frequency (MHz)	6dB Bandwidth ANT 4 (MHz)	6dB Bandwidth ANT 3 (MHz)
Low	2404	4.098	4.050
Mid	2441	3.942	4.152
High	2478	4.098	4.086



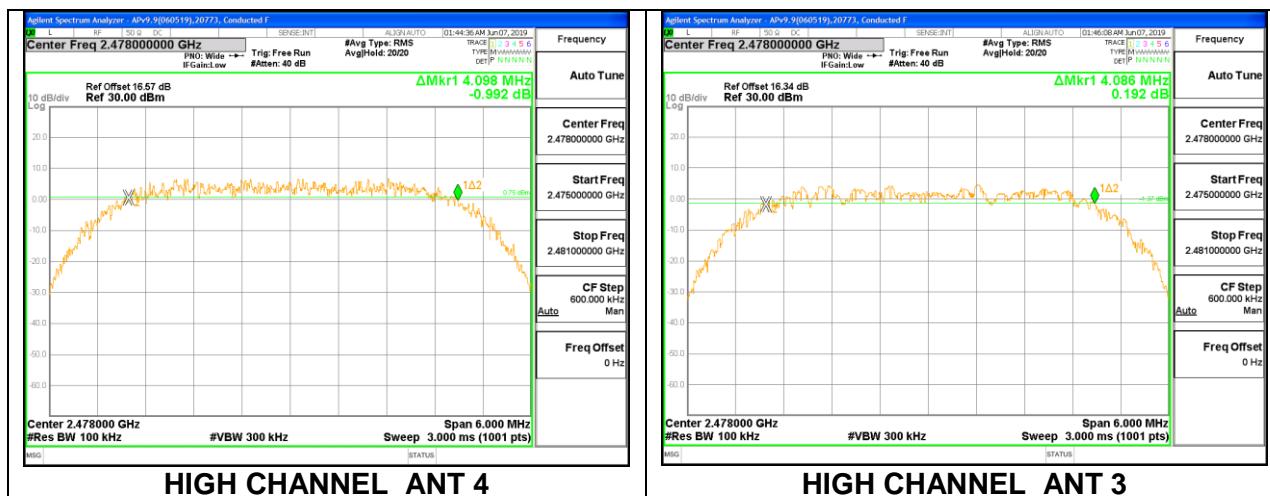
LOW CHANNEL ANT 4

LOW CHANNEL ANT 3



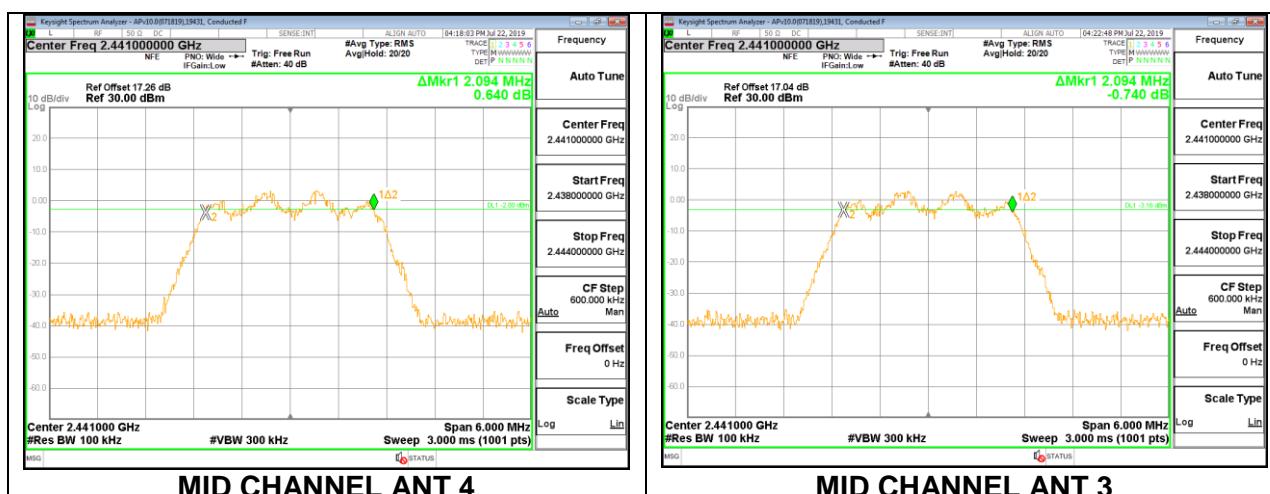
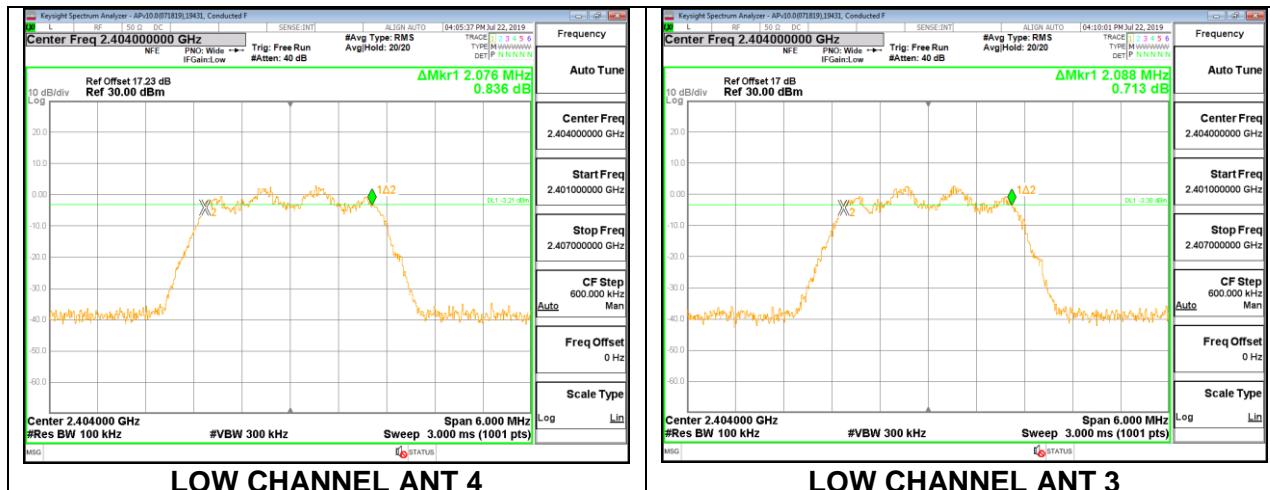
MID CHANNEL ANT 4

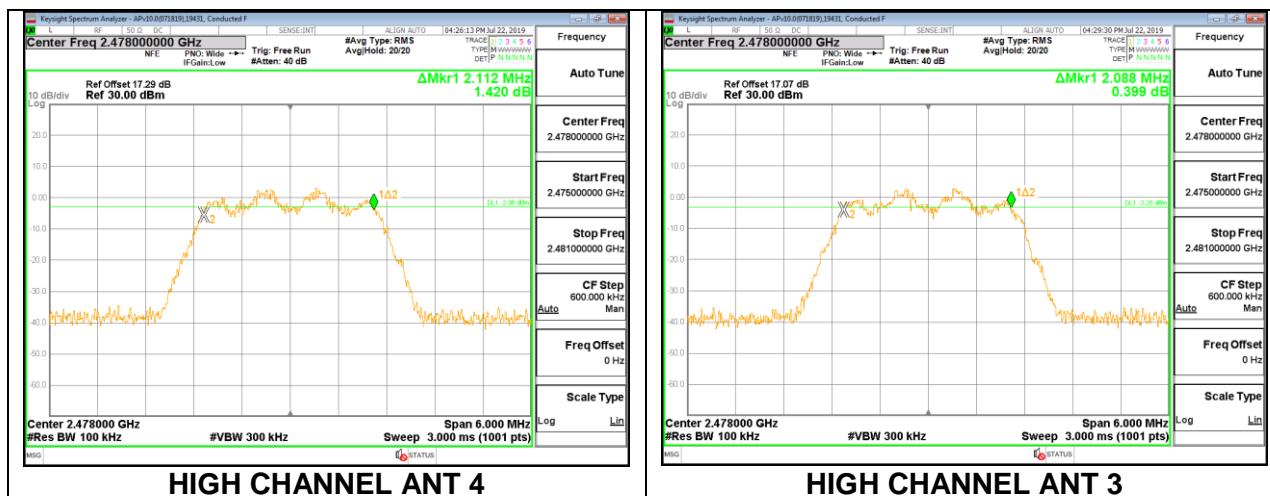
MID CHANNEL ANT 3



### 8.11.3. HDR4, LOW POWER BLE

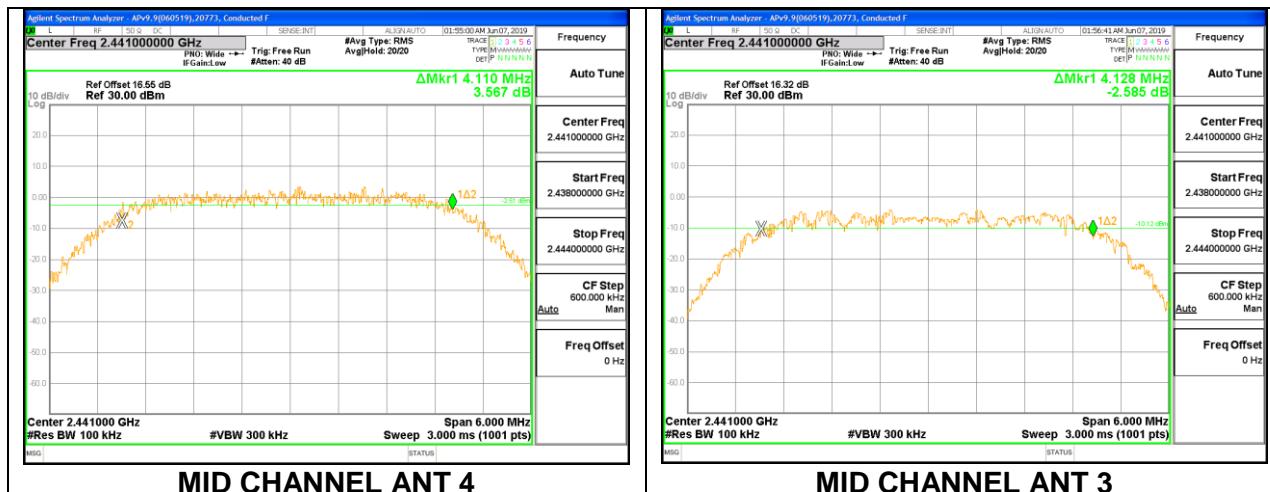
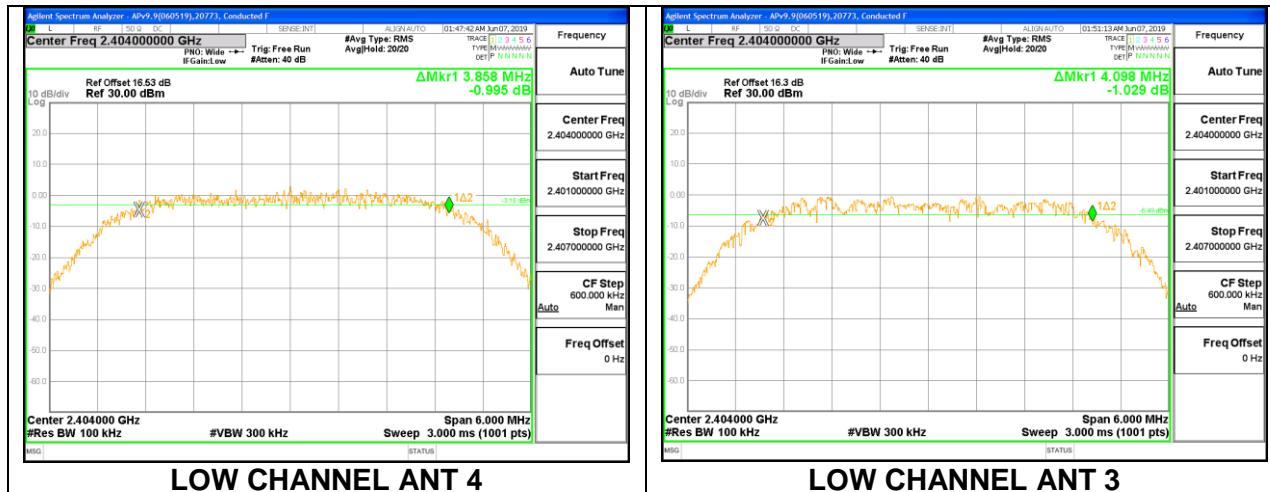
Channel	Frequency (MHz)	6dB Bandwidth ANT 4 (MHz)	6dB Bandwidth ANT 3 (MHz)
Low	2404	2.076	2.088
Mid	2441	2.094	2.094
High	2478	2.112	2.088

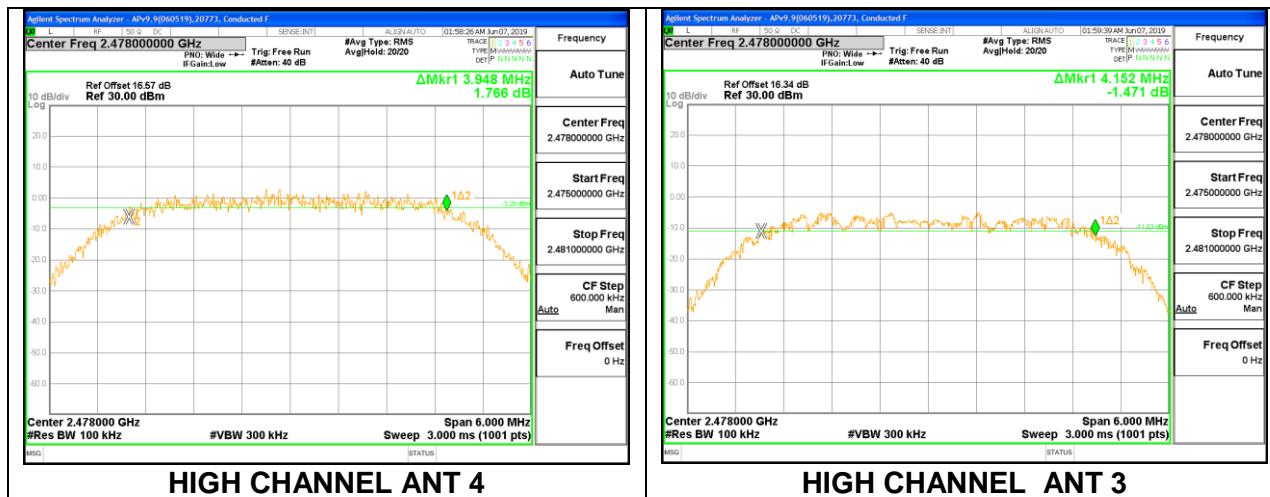




### 8.11.4. HDR8, LOW POWER BLE

Channel	Frequency (MHz)	6dB Bandwidth ANT 4 (MHz)	6dB Bandwidth ANT 3 (MHz)
Low	2404	3.858	4.098
Mid	2441	4.110	4.128
High	2478	3.948	4.152





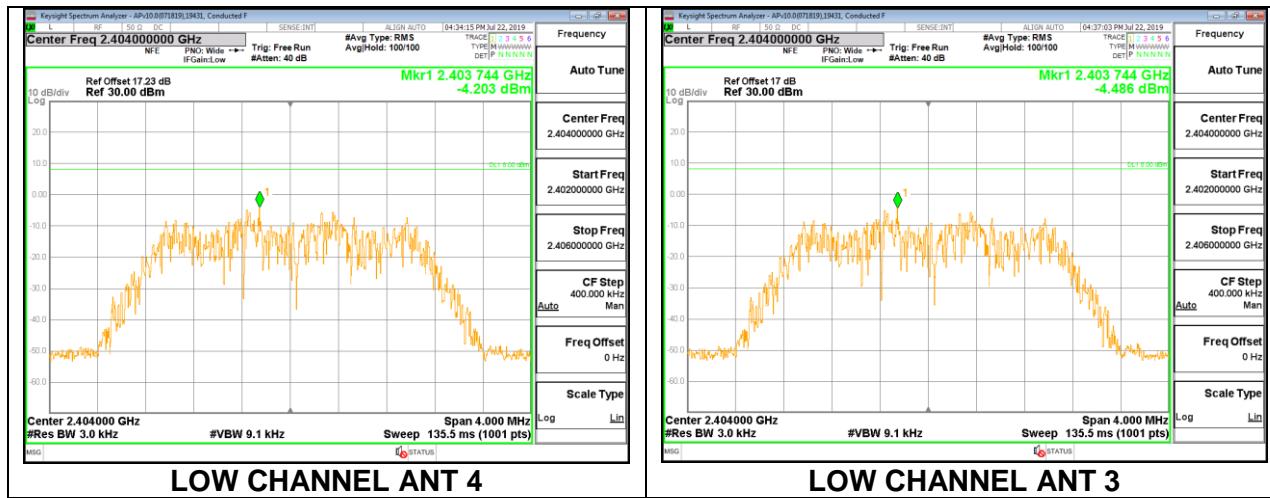
## 8.12. BEAMFORMING, POWER SPECTRAL DENSITY

### 8.12.1. HDR4, HIGH POWER BLE

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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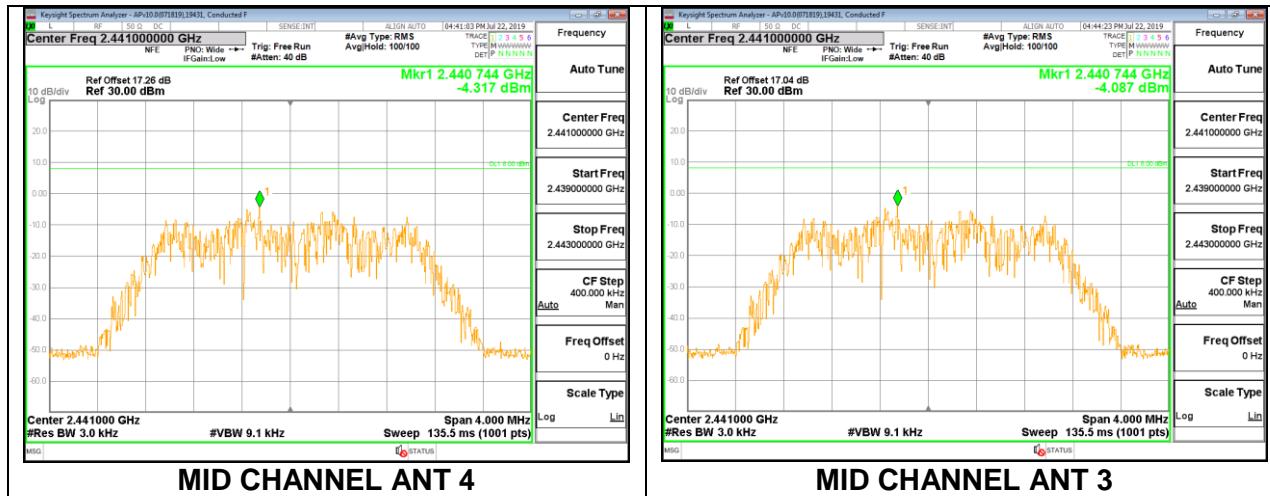
#### PSD Results

Channel	Frequency (MHz)	ANT 4 Meas (dBm/ 3kHz)	ANT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2404	-4.203	-4.486	-1.33	8.0	-9.3
Mid	2441	-4.317	-4.087	-1.19	8.0	-9.2
Hjigh	2478	-4.244	-4.469	-1.34	8.0	-9.3



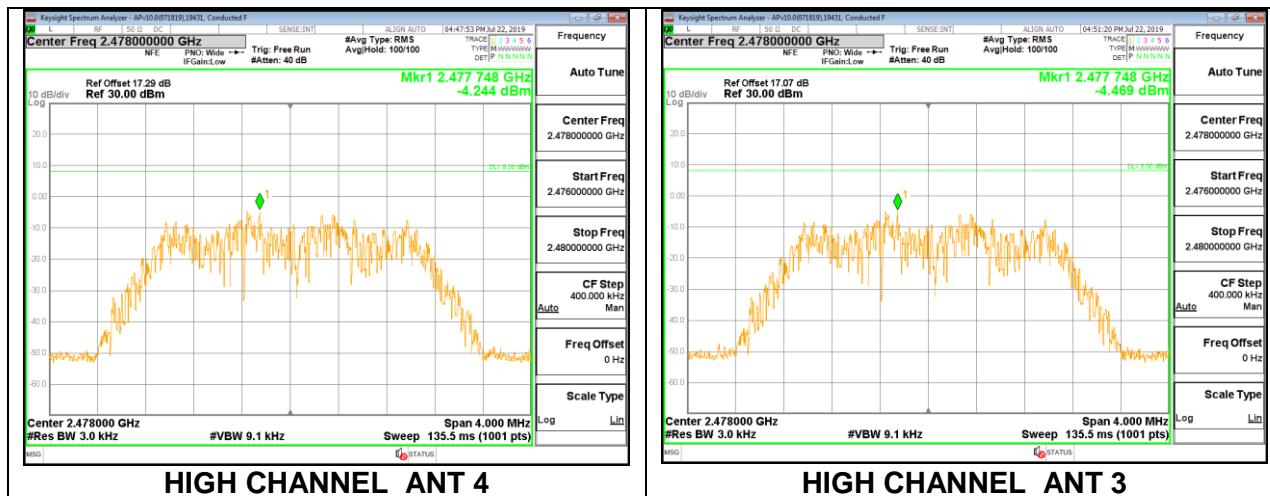
LOW CHANNEL ANT 4

LOW CHANNEL ANT 3



MID CHANNEL ANT 4

MID CHANNEL ANT 3

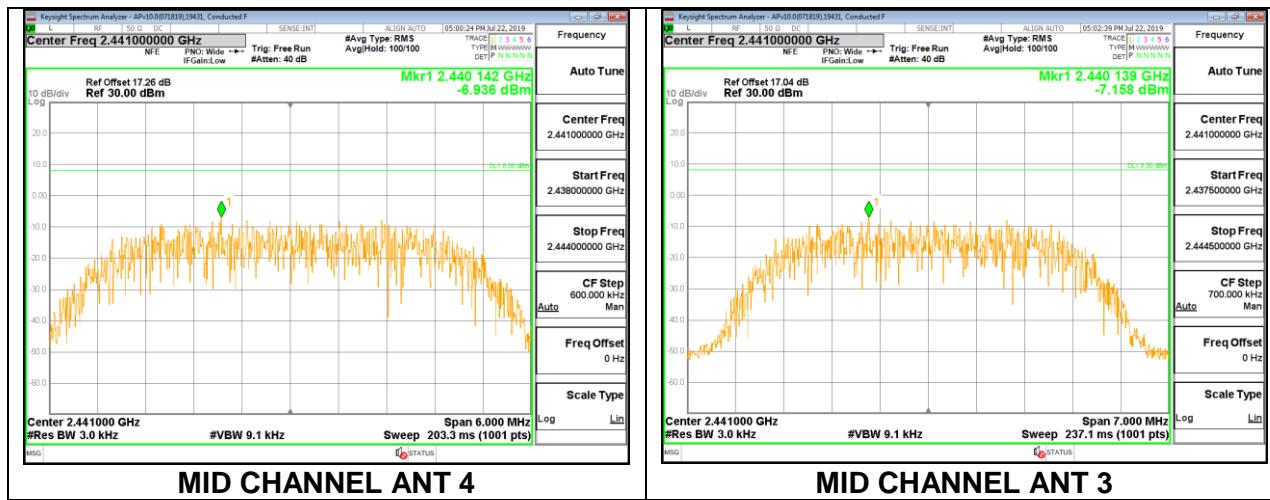
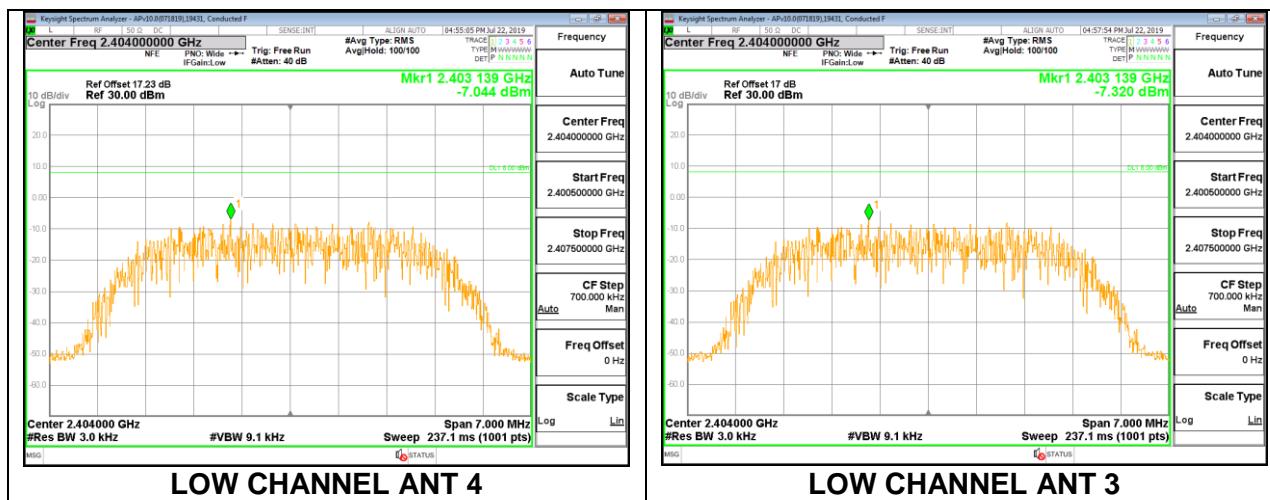


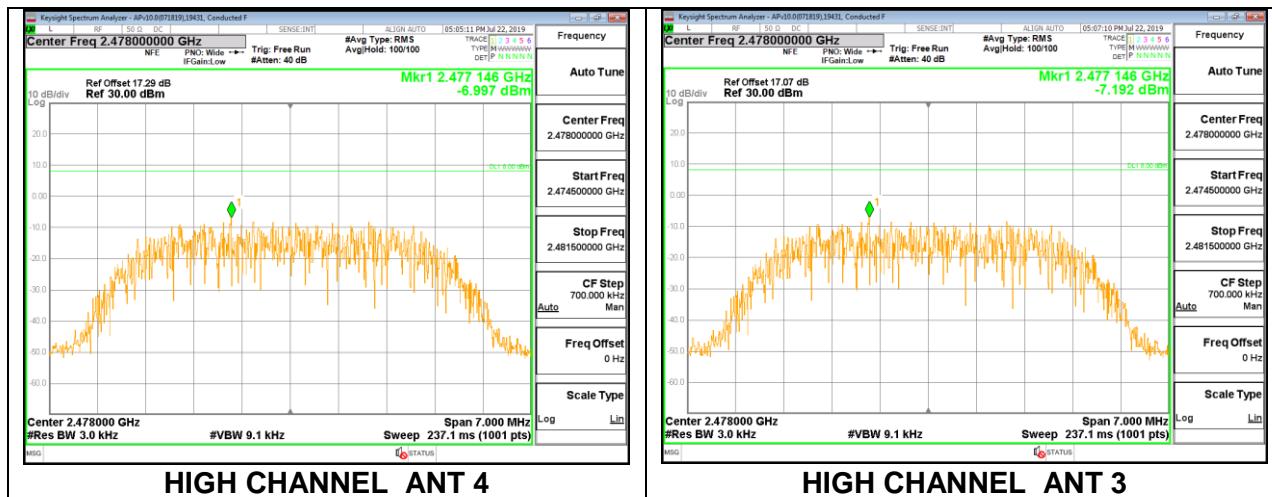
## 8.12.2. HDR8, HIGH POWER BLE

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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### PSD Results

Channel	Frequency (MHz)	ANT 4 Meas (dBm/ 3kHz)	ANT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2404	-7.044	-7.320	-4.17	8.0	-12.2
Mid	2441	-6.936	-7.158	-4.04	8.0	-12.0
High	2478	-6.997	-7.192	-4.08	8.0	-12.1



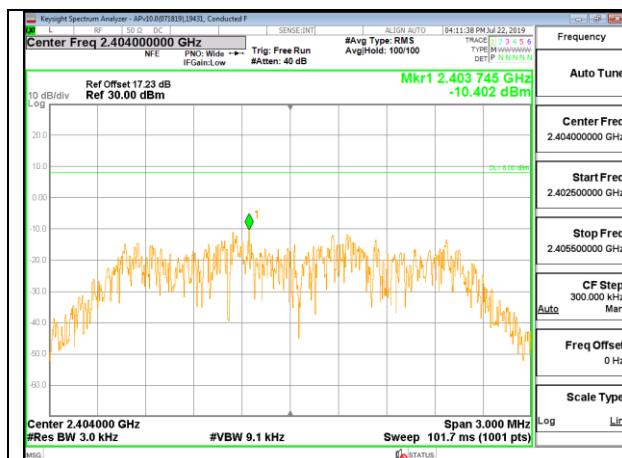


### 8.12.3. HDR4, LOW POWER BLE

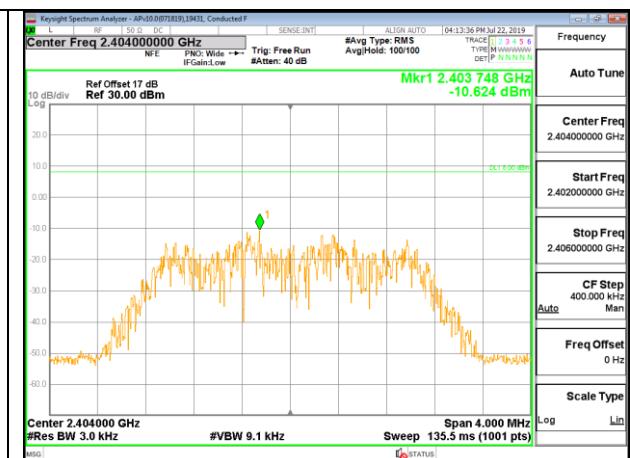
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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#### PSD Results

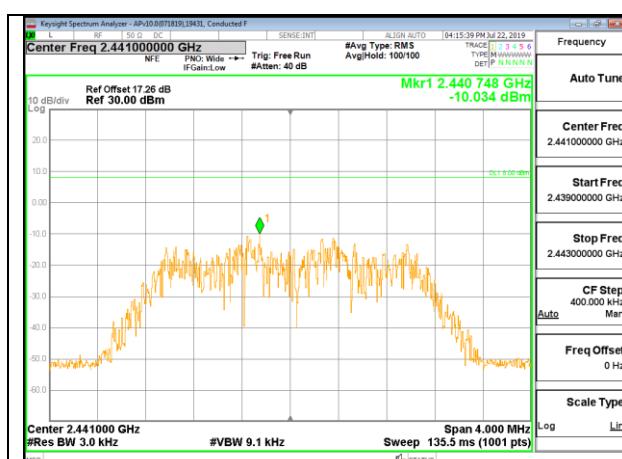
Channel	Frequency (MHz)	ANT 4 Meas (dBm/ 3kHz)	ANT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2404	-10.402	-10.624	-7.50	8.0	-15.5
Mid	2441	-10.034	-10.207	-7.11	8.0	-15.1
Hjigh	2478	-10.175	-10.402	-7.28	8.0	-15.3



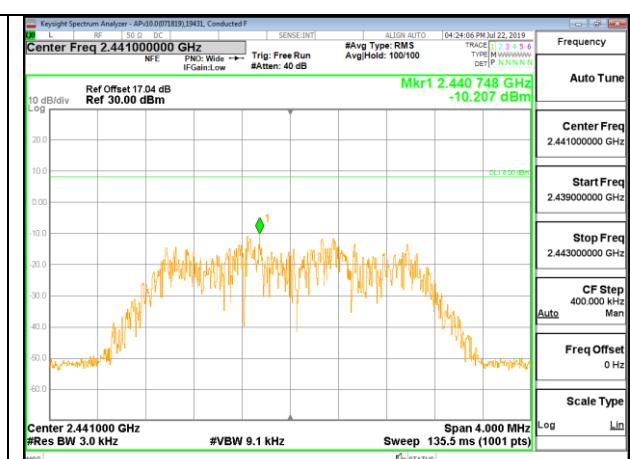
LOW CHANNEL ANT 4



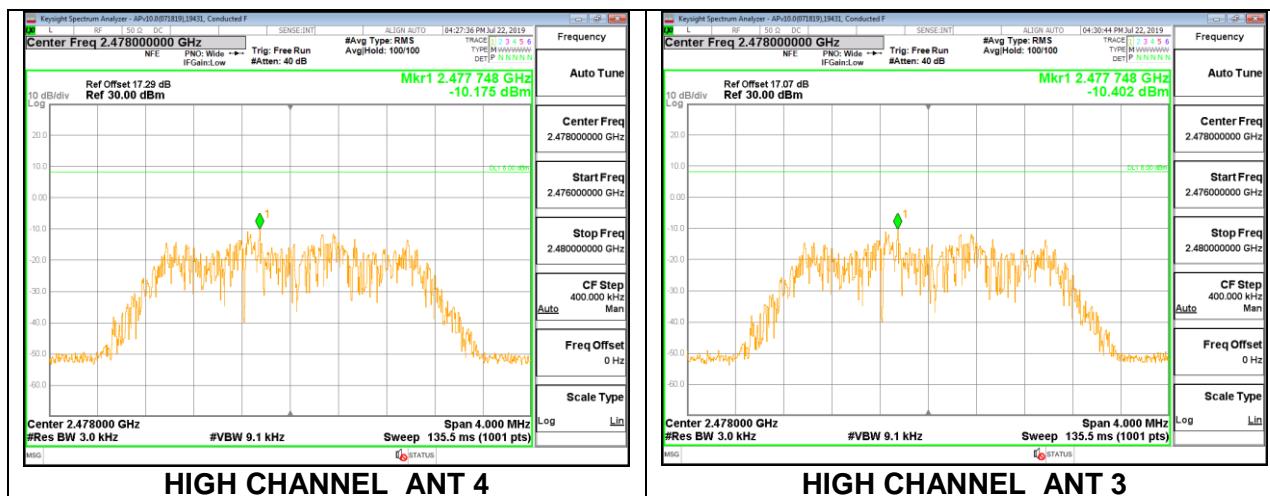
LOW CHANNEL ANT 3



MID CHANNEL ANT 4



MID CHANNEL ANT 3



### 8.12.4. HDR8, LOW POWER BLE

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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#### PSD Results

Channel	Frequency (MHz)	ANT 4 Meas (dBm/ 3kHz)	ANT 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low	2404	-12.534	-12.635	-9.57	8.0	-17.6
Mid	2441	-12.552	-12.753	-9.64	8.0	-17.6
High	2478	-12.590	-12.875	-9.72	8.0	-17.7

