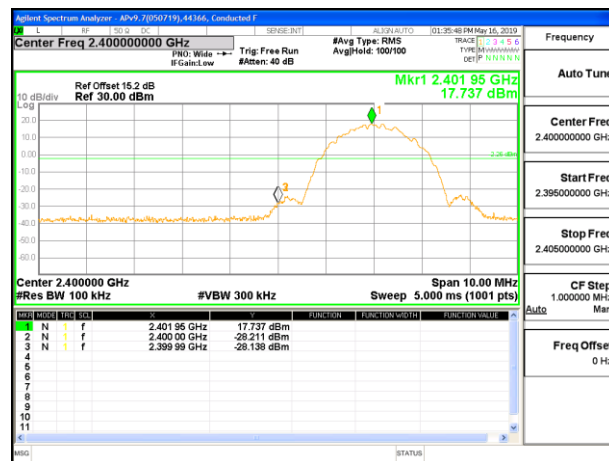
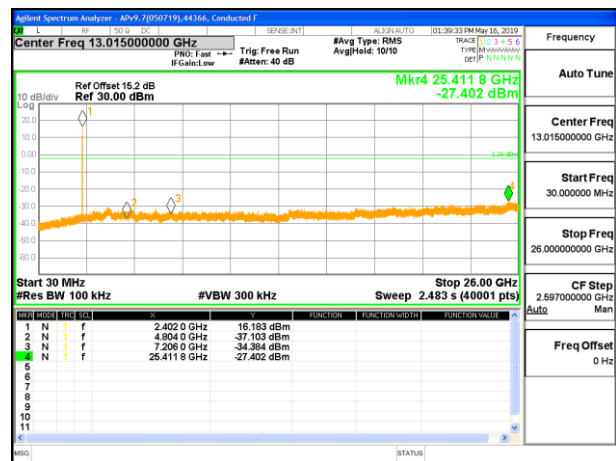
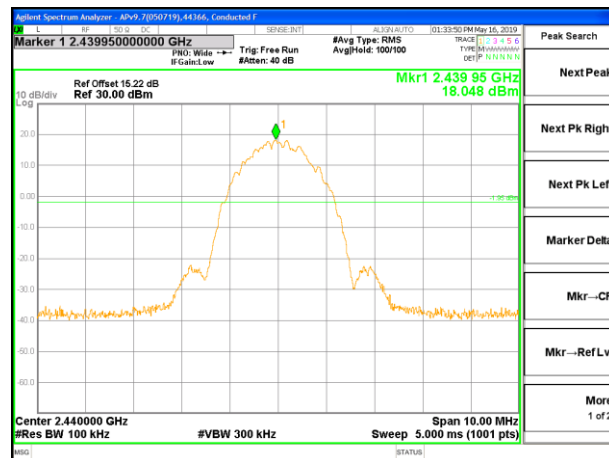
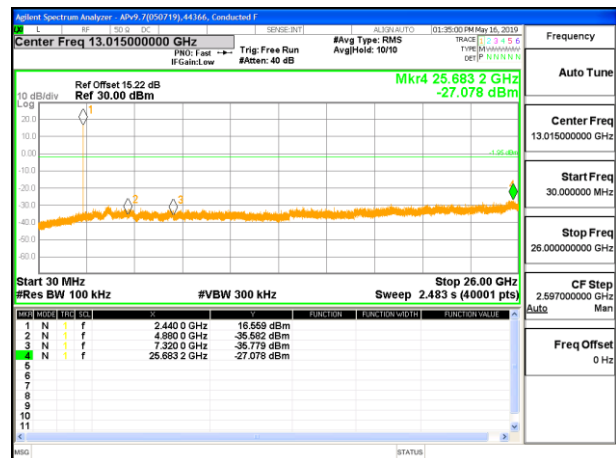
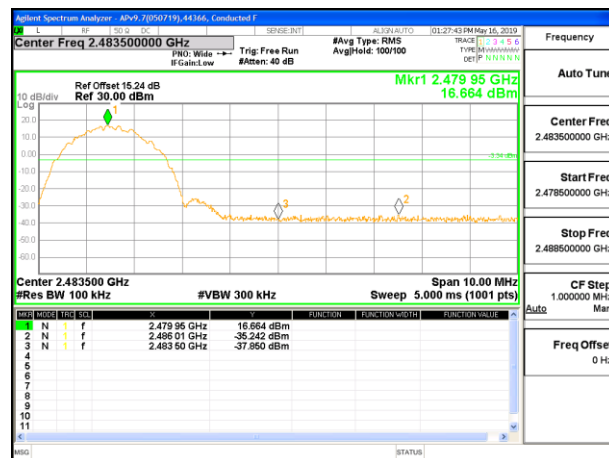
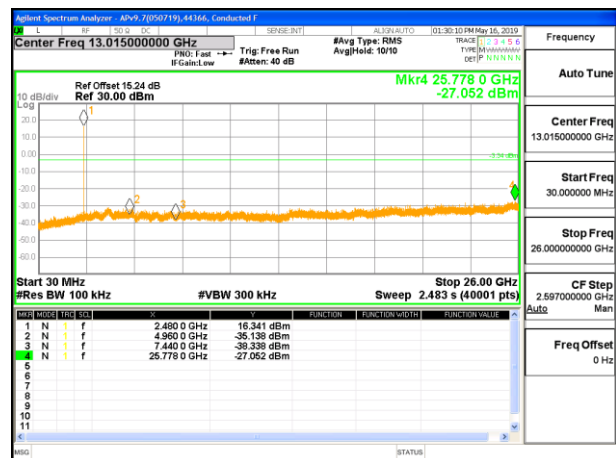
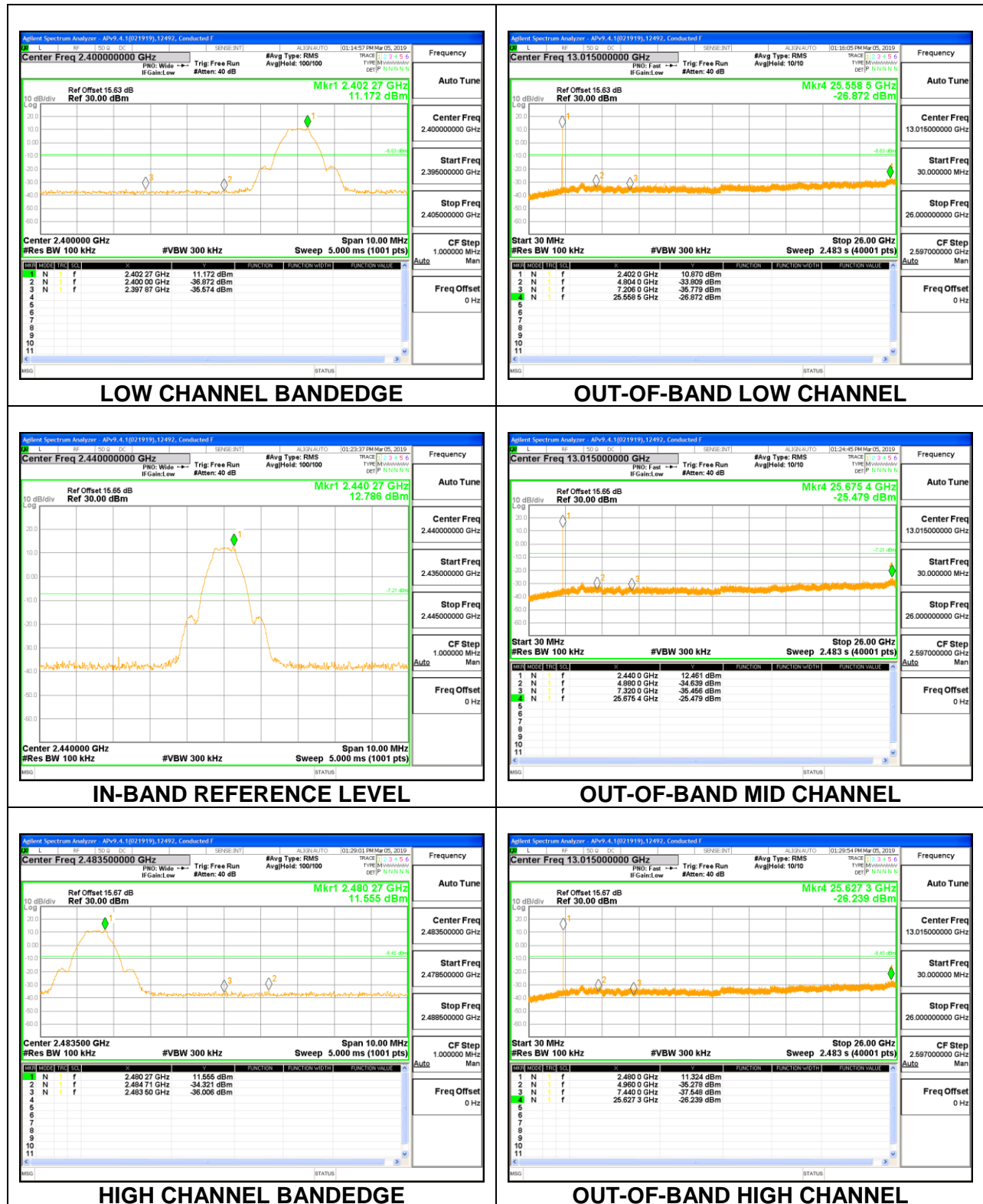
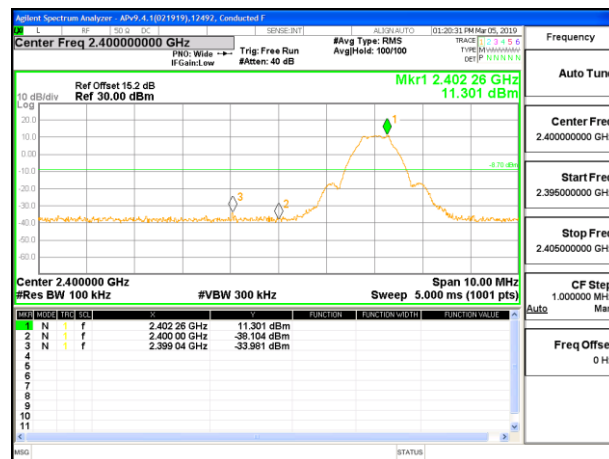
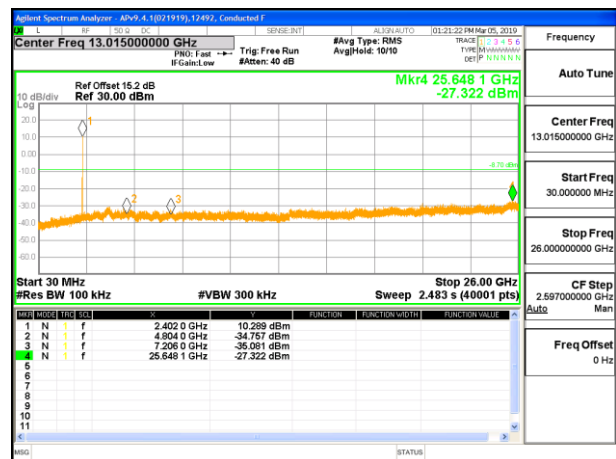
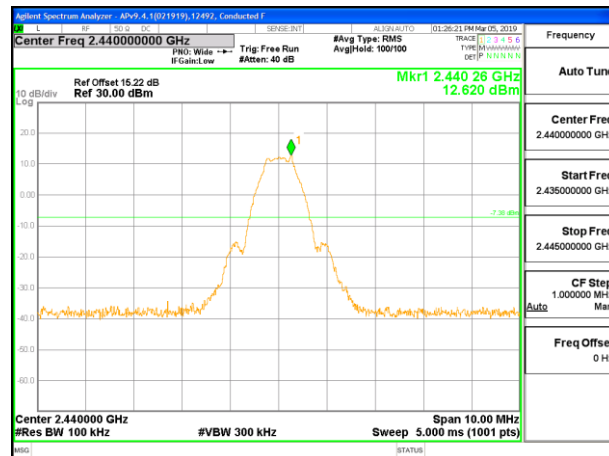
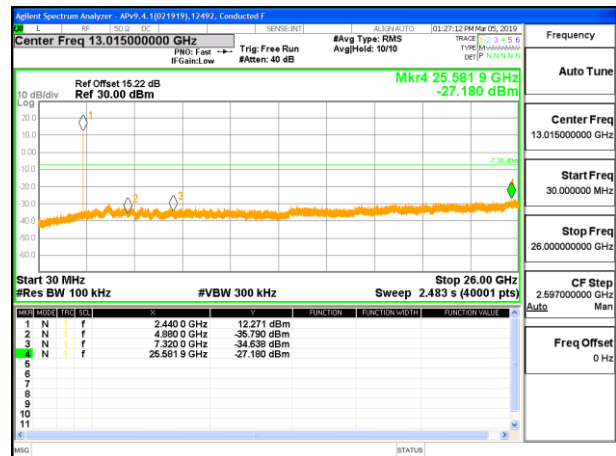
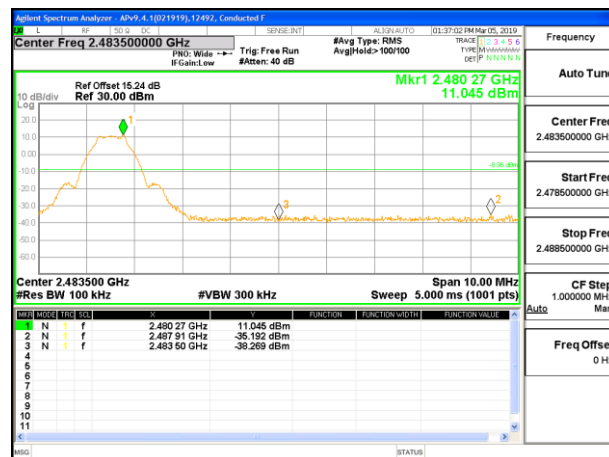
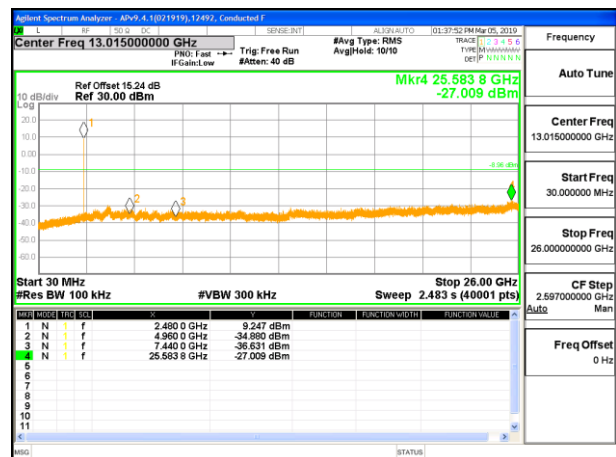
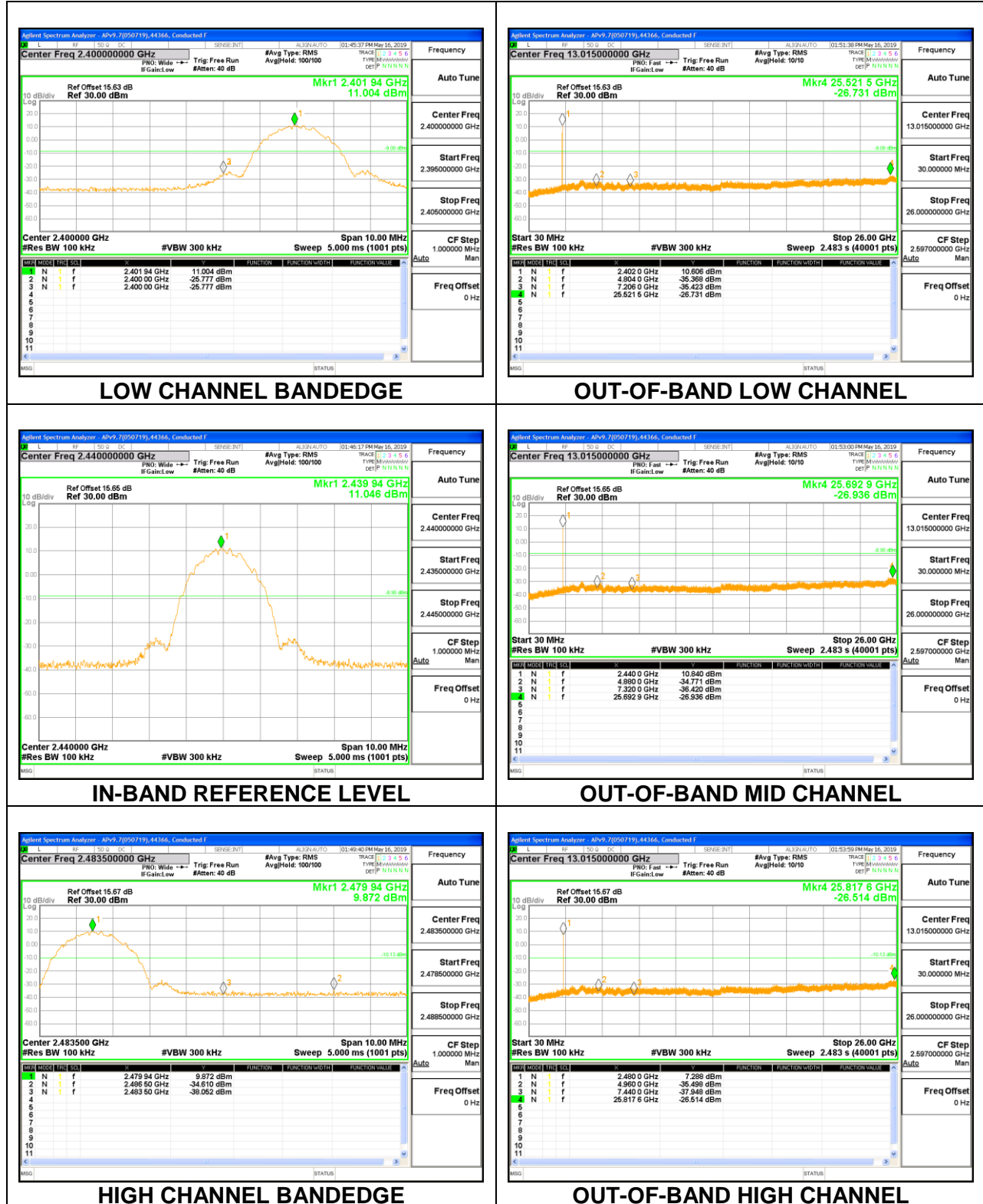
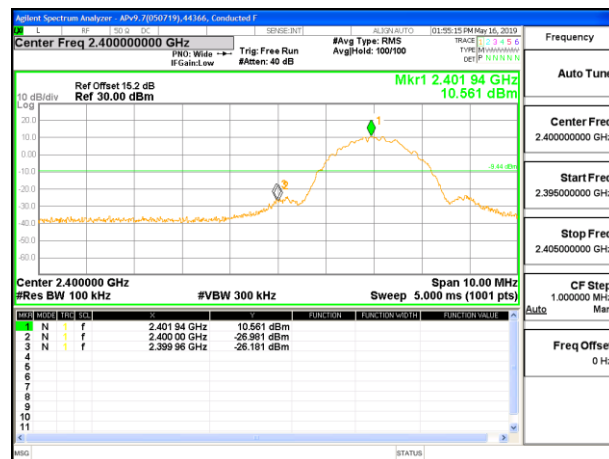
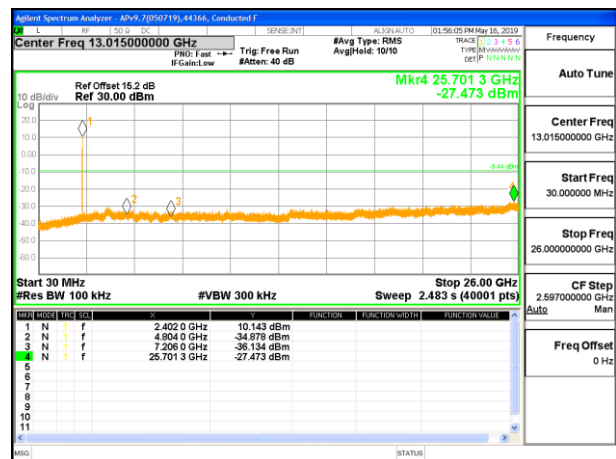
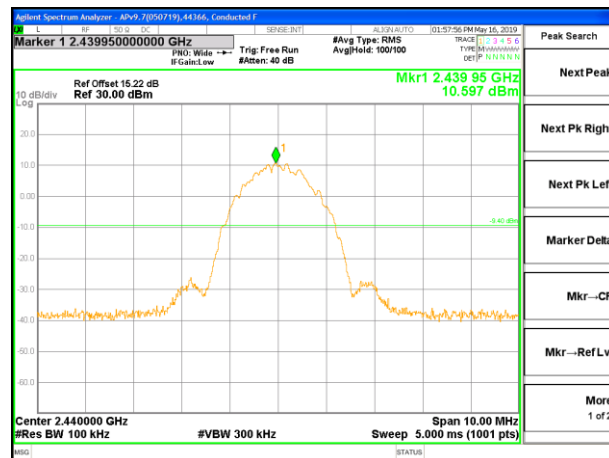
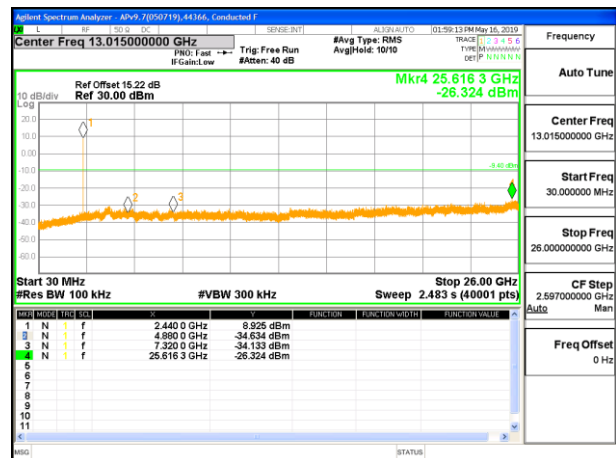
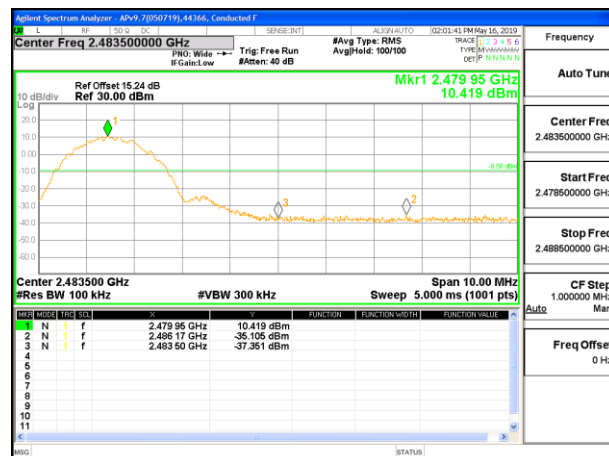
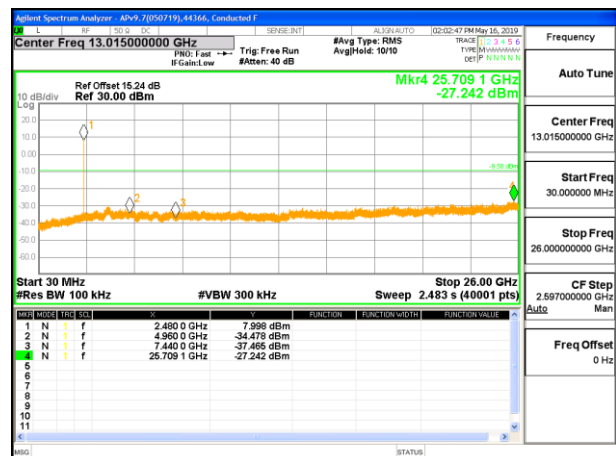


**Antenna 5****LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

**8.7.3. LOW POWER BLE (1Mbps)****Antenna 2**

**Antenna 5****LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

**8.7.4. LOW POWER BLE (2Mbps)****Antenna 2**

**Antenna 5****LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

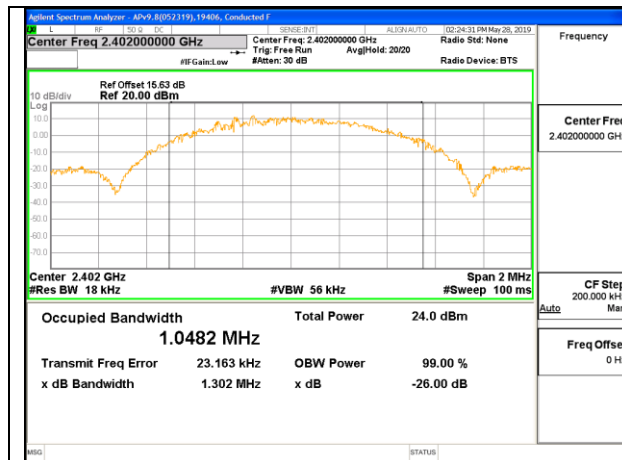
## **8.8. BEAMFORMING, 99% BANDWIDTH**

### **8.8.1. HIGH POWER BLE (1Mbps)**

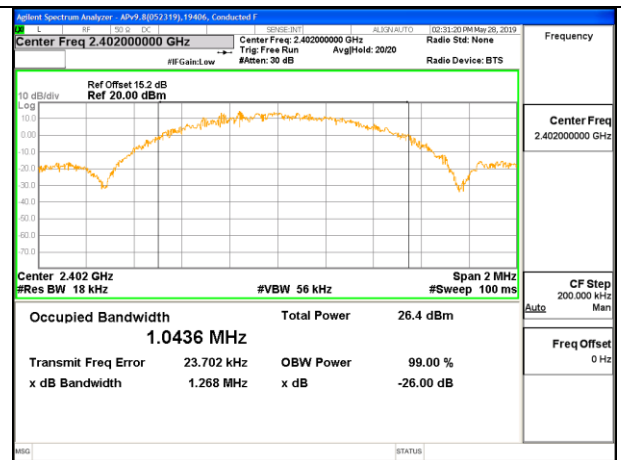
Channel	Frequency (MHz)	99% Bandwidth ANT 2 (MHz)	99% Bandwidth ANT 5 (MHz)
Low	2402	1.0482	1.0436
Mid	2440	1.0474	1.0469
High	2480	1.0480	1.0475

Note: Test procedures and setting on beamforming are same as BLE normal mode

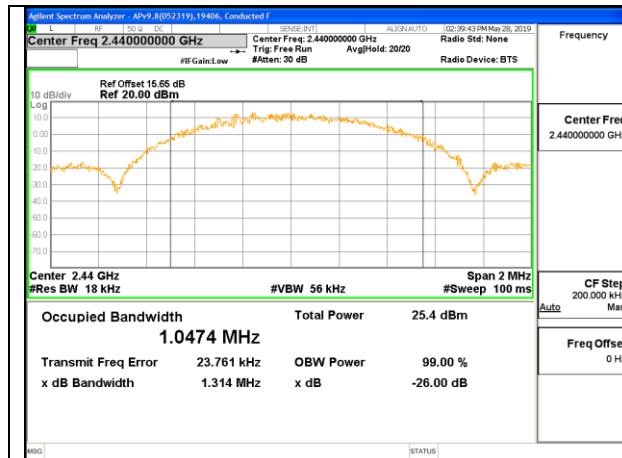




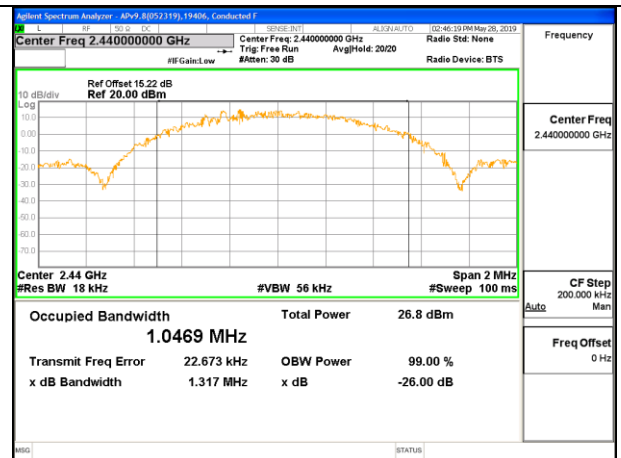
LOW CHANNEL ANT 2



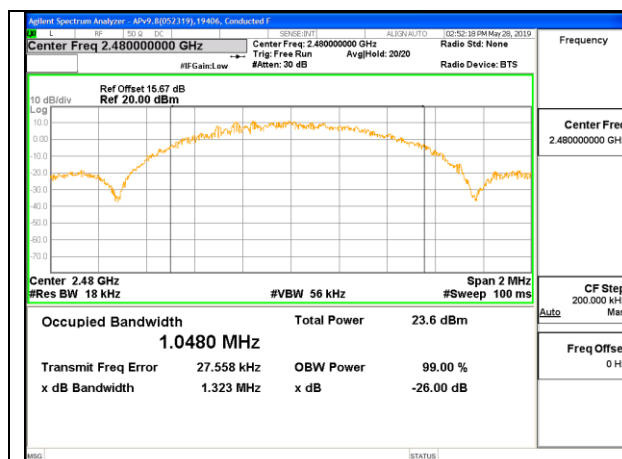
LOW CHANNEL ANT 5



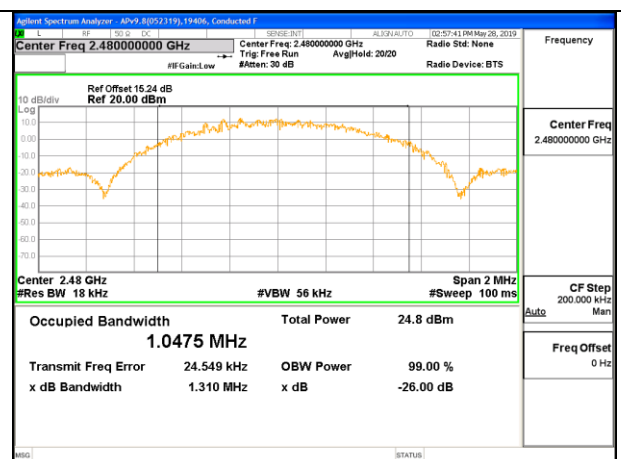
MID CHANNEL ANT 2



MID CHANNEL ANT 5



HIGH CHANNEL ANT 2

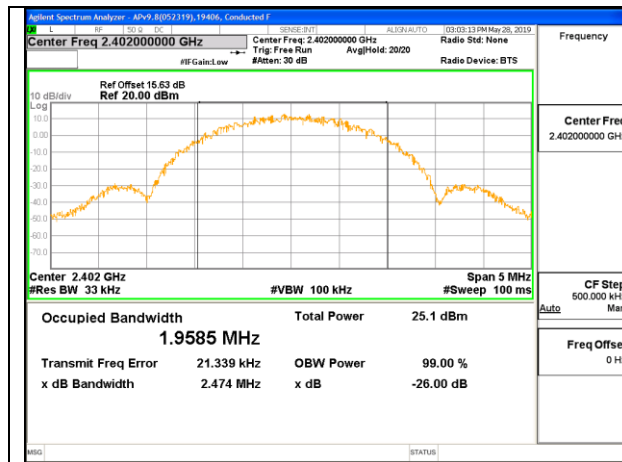


HIGH CHANNEL ANT 5

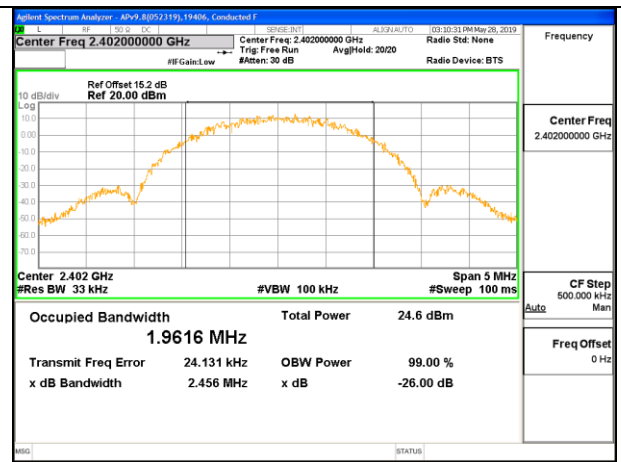
### 8.8.2. HIGH POWER BLE (2Mbps)

Channel	Frequency (MHz)	99% Bandwidth ANT 2 (MHz)	99% Bandwidth ANT 5 (MHz)
Low	2402	1.9585	1.9616
Mid	2440	1.9610	1.9590
High	2480	1.9632	1.9614

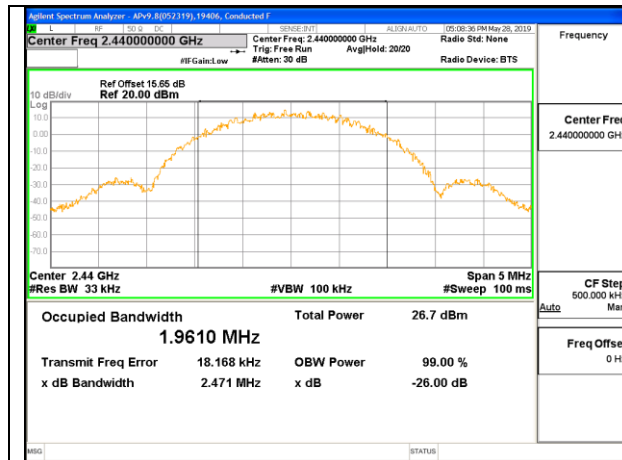




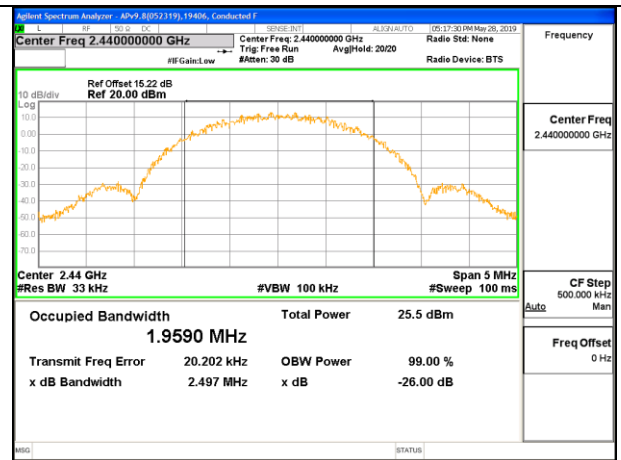
LOW CHANNEL ANT 2



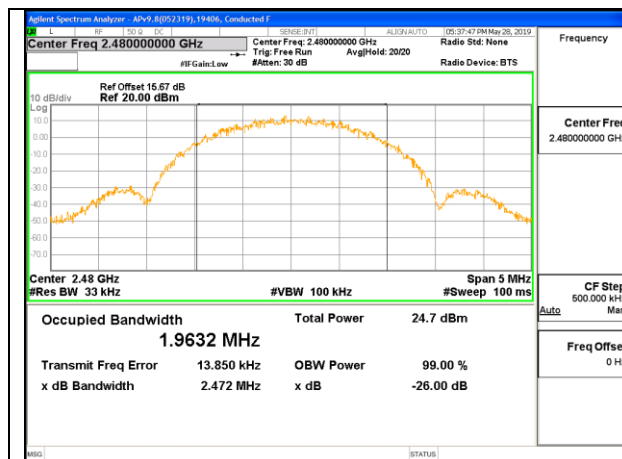
LOW CHANNEL ANT 5



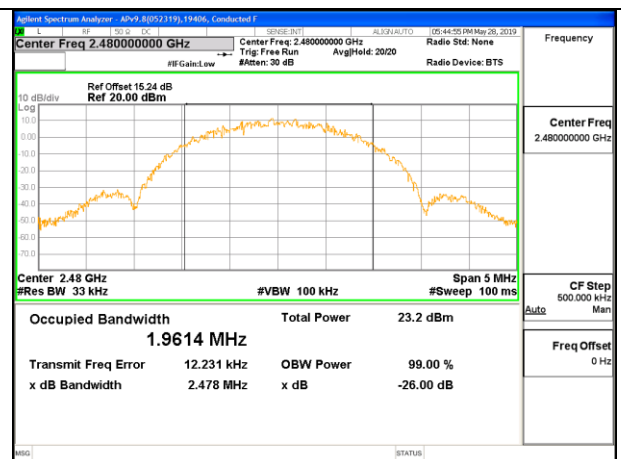
MID CHANNEL ANT 2



MID CHANNEL ANT 5



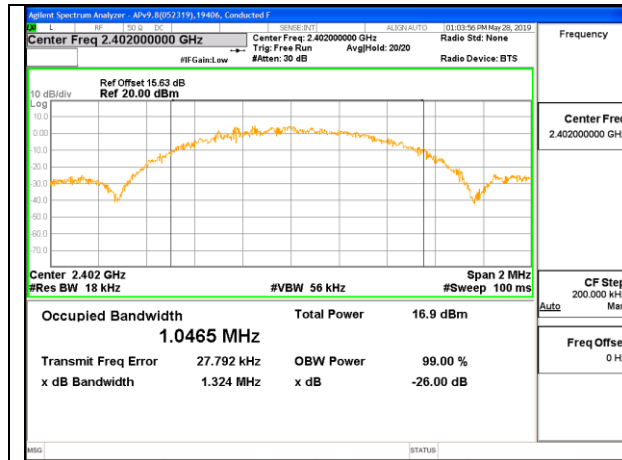
HIGH CHANNEL ANT 2



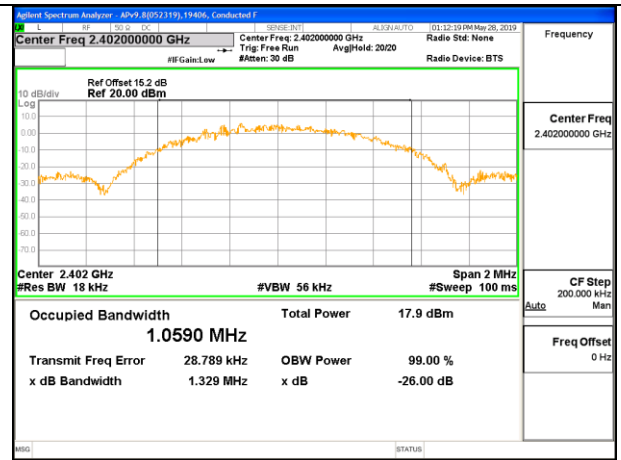
HIGH CHANNEL ANT 5

### 8.8.3. LOW POWER BLE (1Mbps)

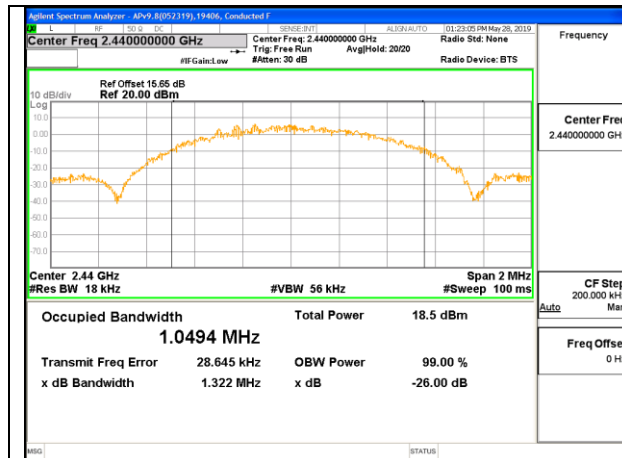
Channel	Frequency (MHz)	99% Bandwidth ANT 2 (MHz)	99% Bandwidth ANT 5 (MHz)
Low	2402	1.0465	1.0590
Mid	2440	1.0494	1.0549
High	2480	1.0504	1.0553



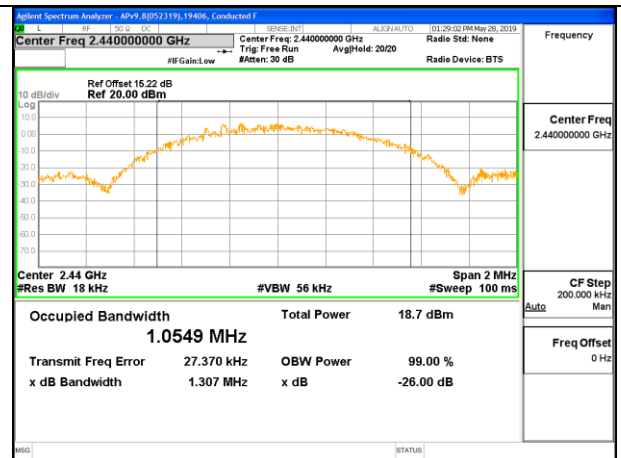
LOW CHANNEL ANT 2



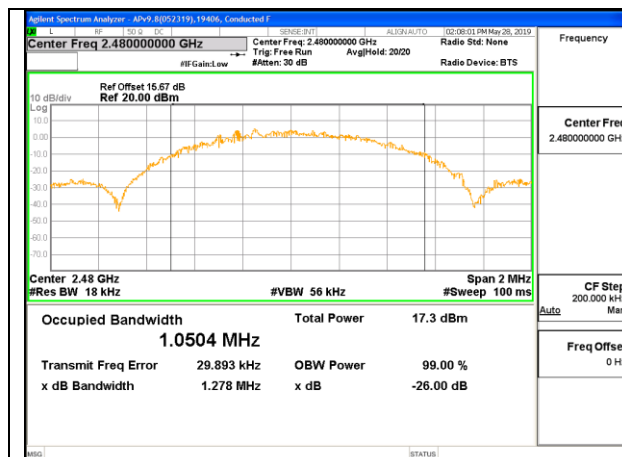
LOW CHANNEL ANT 5



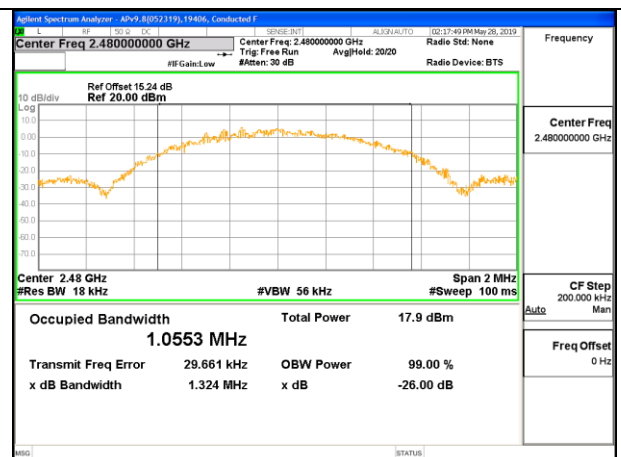
MID CHANNEL ANT 2



MID CHANNEL ANT 5



HIGH CHANNEL ANT 2

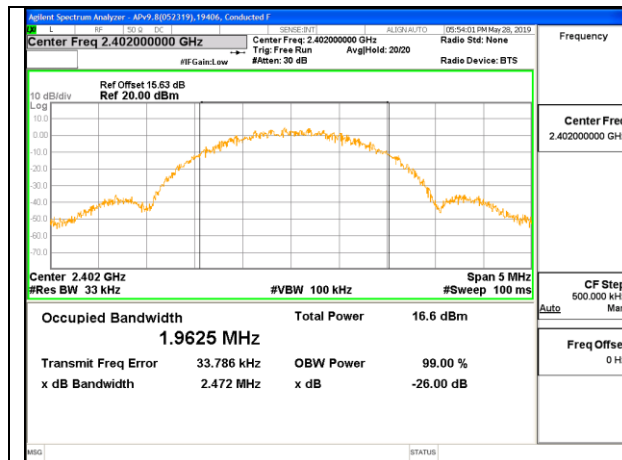


HIGH CHANNEL ANT 5

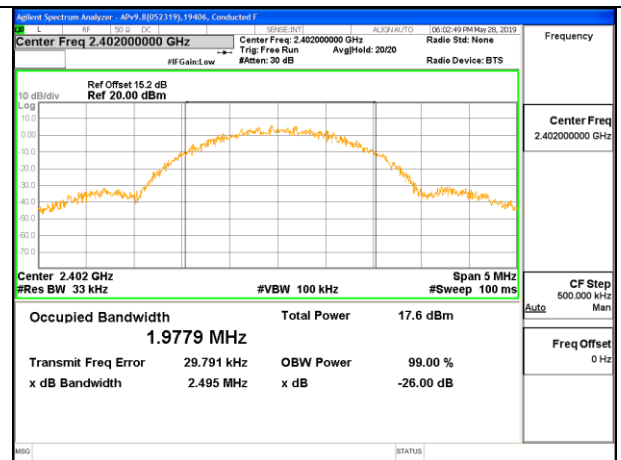
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#### 8.8.4. LOW POWER BLE (2Mbps)

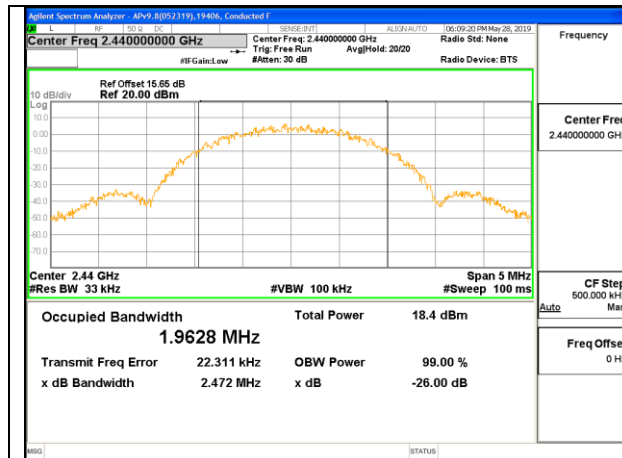
Channel	Frequency (MHz)	99% Bandwidth ANT 2 (MHz)	99% Bandwidth ANT 5 (MHz)
Low	2402	1.9625	1.9779
Mid	2440	1.9628	1.9787
High	2480	1.9604	1.9780



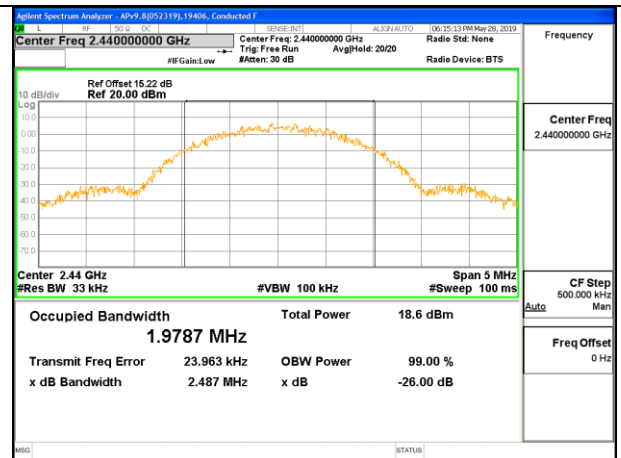
LOW CHANNEL ANT 2



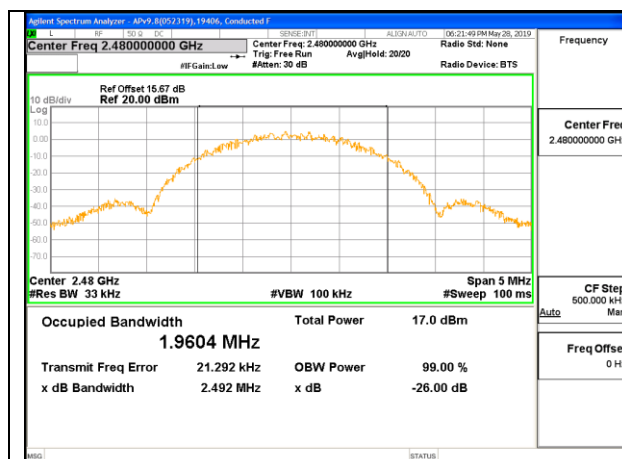
LOW CHANNEL ANT 5



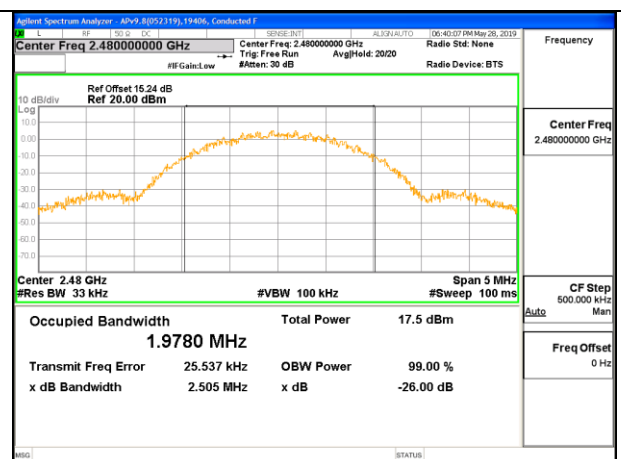
MID CHANNEL ANT 2



MID CHANNEL ANT 5



HIGH CHANNEL ANT 2



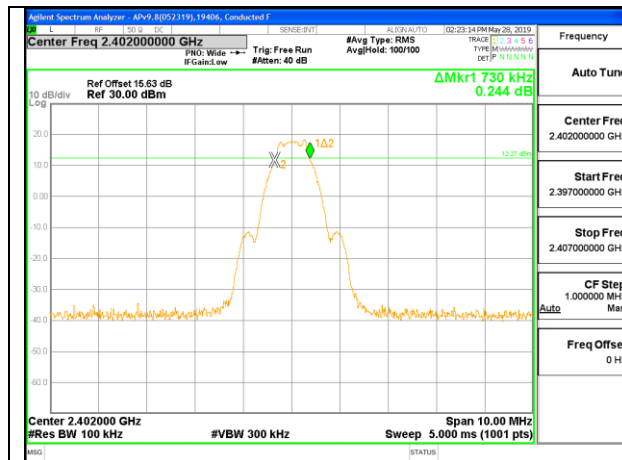
HIGH CHANNEL ANT 5

## **8.9. BEAMFORMING, 6dB BANDWIDTH**

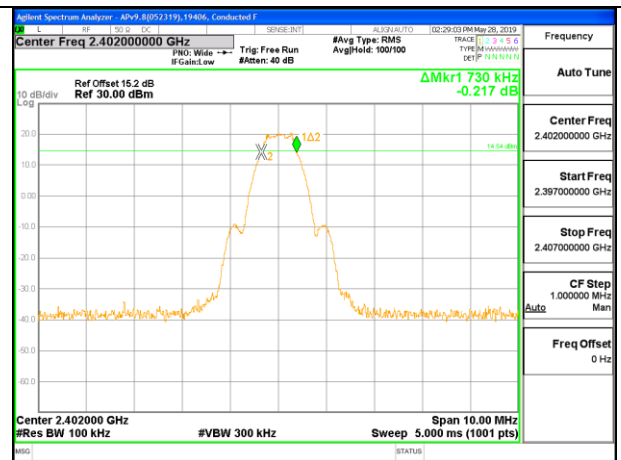
### **8.9.1. HIGH POWER BLE (1Mbps)**

Channel	Frequency (MHz)	6dB Bandwidth ANT 2 (MHz)	6dB Bandwidth ANT 5 (MHz)	Minimum Limit (MHz)
Low	2402	0.730	0.730	0.500
Mid	2440	0.720	0.760	0.500
High	2480	0.730	0.740	0.500

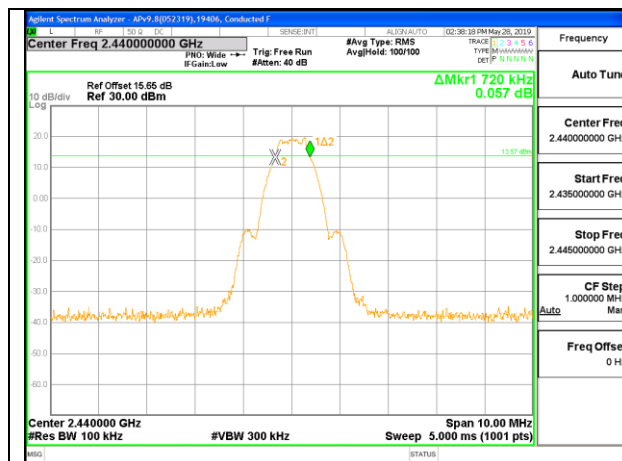
Note: Test procedures and setting on beamforming are same as BLE normal mode



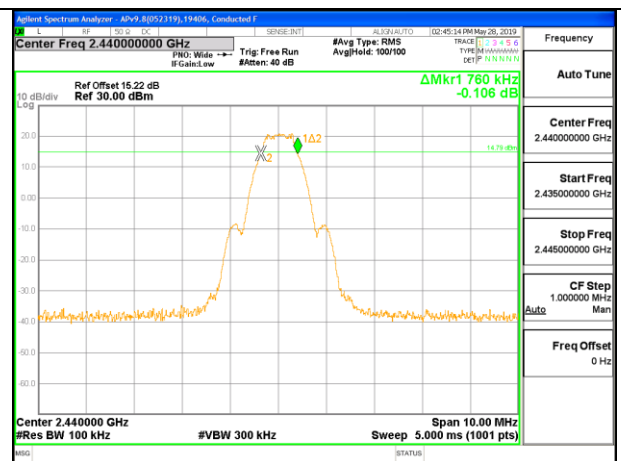
LOW CHANNEL ANT 2



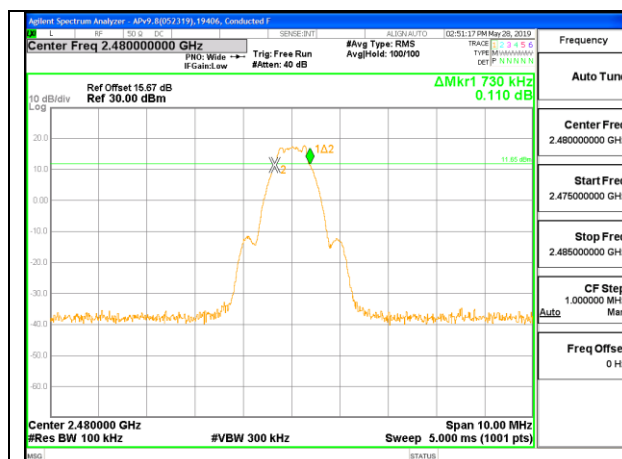
LOW CHANNEL ANT 5



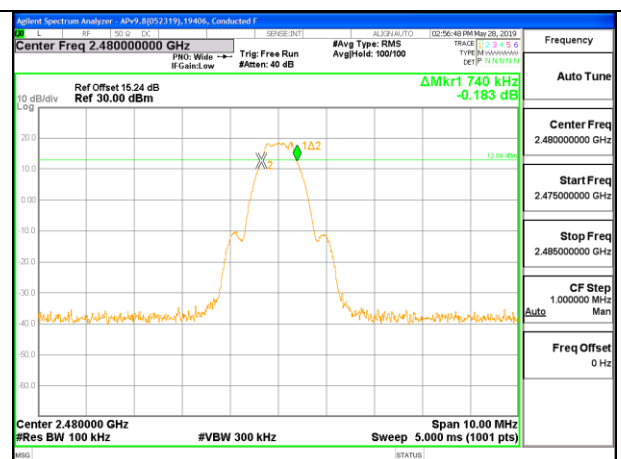
MID CHANNEL ANT 2



MID CHANNEL ANT 5



HIGH CHANNEL ANT 2

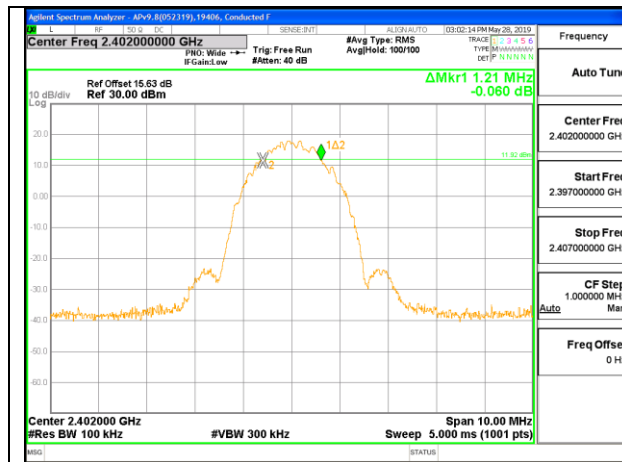


HIGH CHANNEL ANT 5

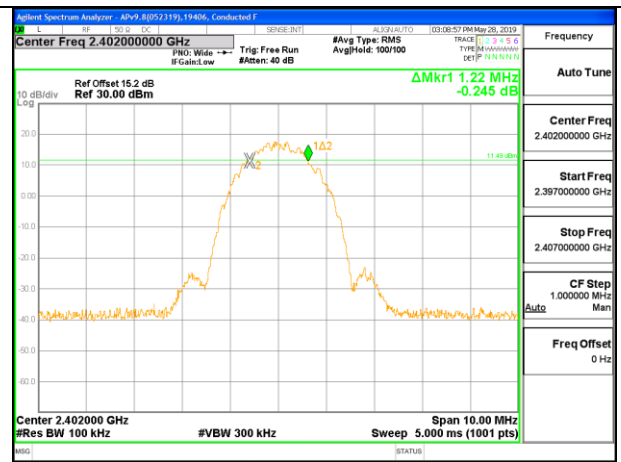


### 8.9.2. HIGH POWER BLE (2Mbps)

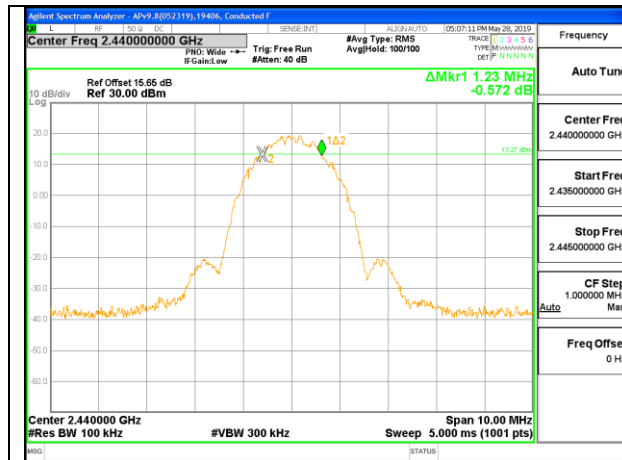
Channel	Frequency (MHz)	6dB Bandwidth ANT 2 (MHz)	6dB Bandwidth ANT 5 (MHz)	Minimum Limit (MHz)
Low	2402	1.210	1.220	0.500
Mid	2440	1.230	1.220	0.500
High	2480	1.270	1.260	0.500



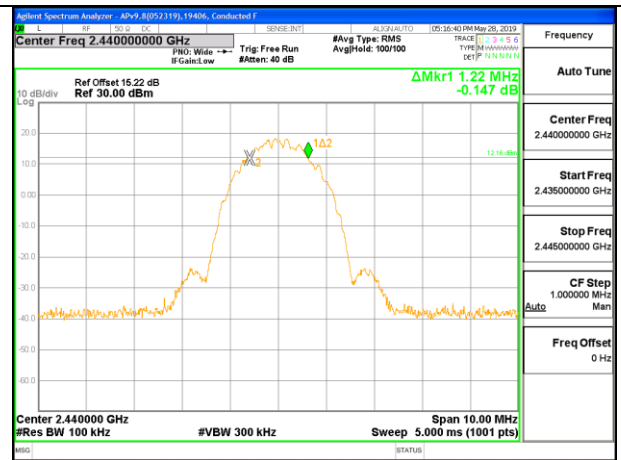
LOW CHANNEL ANT 2



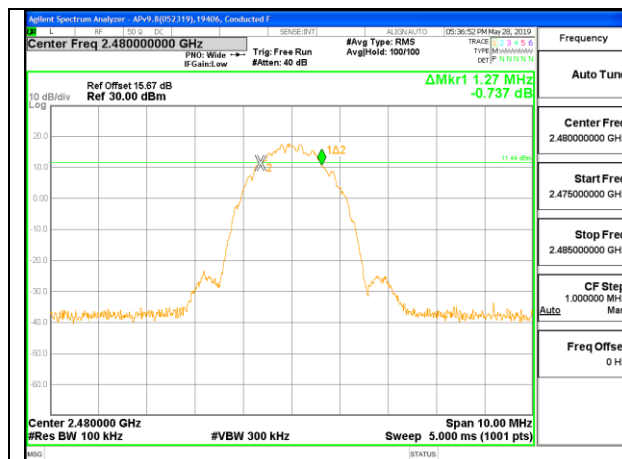
LOW CHANNEL ANT 5



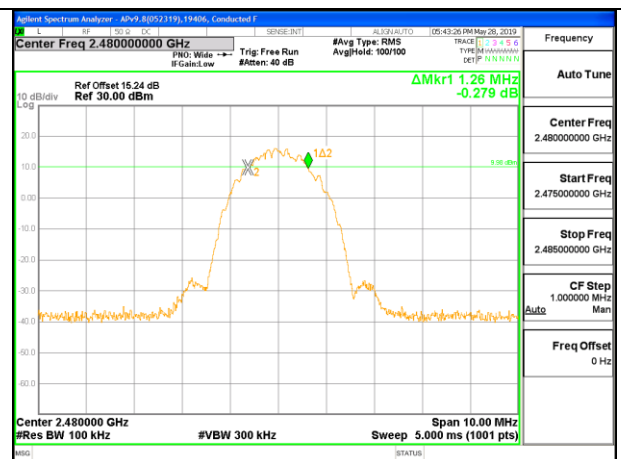
MID CHANNEL ANT 2



MID CHANNEL ANT 5



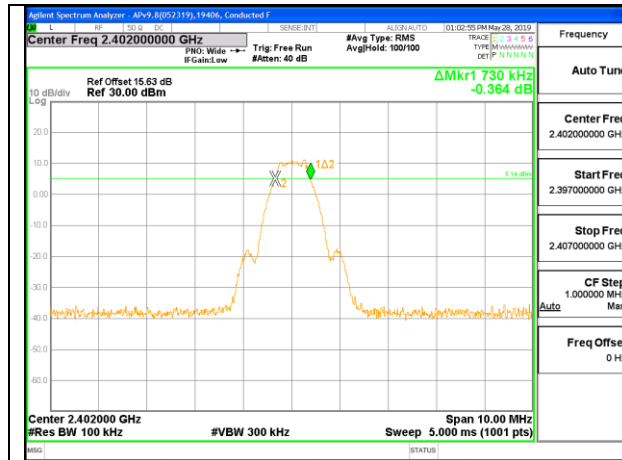
HIGH CHANNEL ANT 2



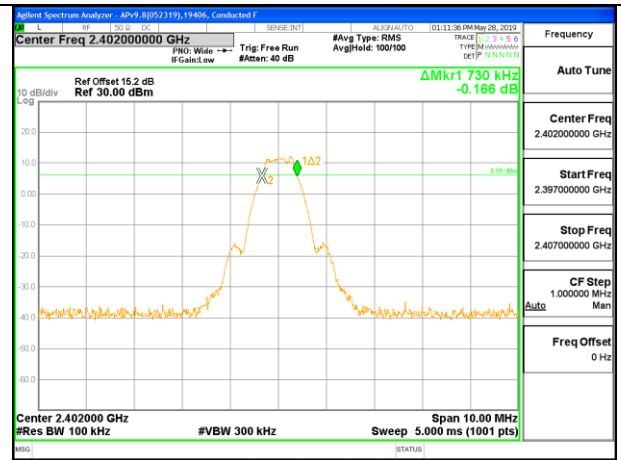
HIGH CHANNEL ANT 5

### 8.9.3. LOW POWER BLE (1Mbps)

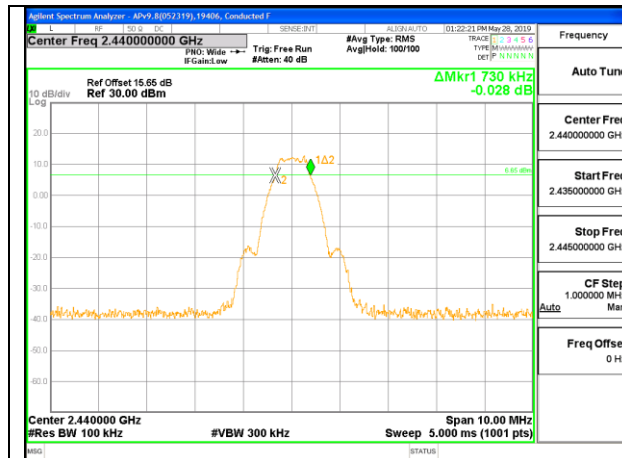
Channel	Frequency (MHz)	6dB Bandwidth ANT 2 (MHz)	6dB Bandwidth ANT 5 (MHz)	Minimum Limit (MHz)
Low	2402	0.730	0.730	0.500
Mid	2440	0.730	0.740	0.500
High	2480	0.730	0.740	0.500



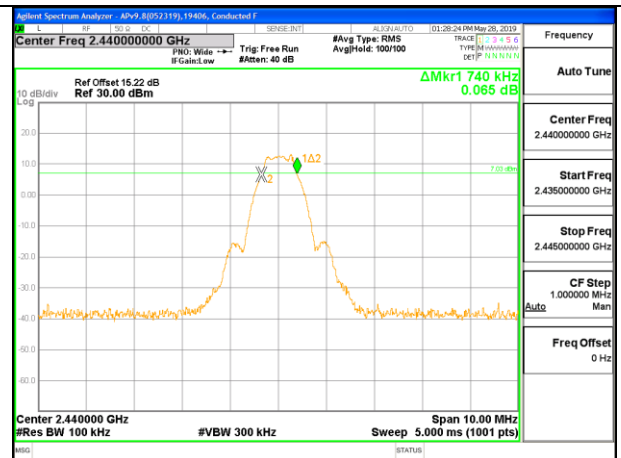
LOW CHANNEL ANT 2



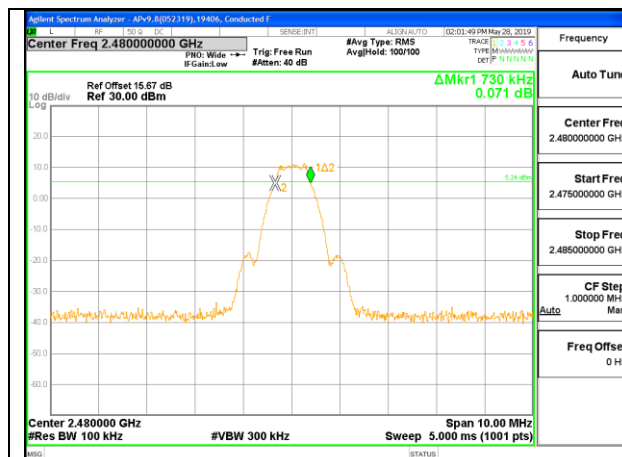
LOW CHANNEL ANT 5



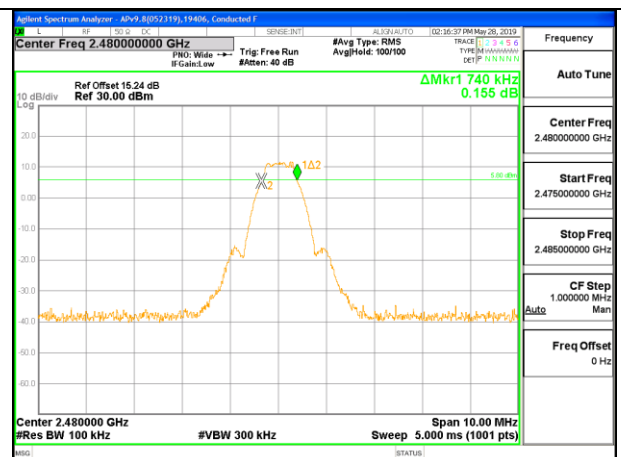
MID CHANNEL ANT 2



MID CHANNEL ANT 5



HIGH CHANNEL ANT 2



HIGH CHANNEL ANT 5

#### 8.9.4. LOW POWER BLE (2Mbps)

Channel	Frequency (MHz)	6dB Bandwidth ANT 2 (MHz)	6dB Bandwidth ANT 5 (MHz)	Minimum Limit (MHz)
Low	2402	1.220	1.260	0.500
Mid	2440	1.260	1.220	0.500
High	2480	1.270	1.270	0.500