

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-03-05	Filter	3#

Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	39	2480	20	Pass
BLE	2	39	2480	20	Pass

### BLE 1Mbps Out-of-Band Emissions

#### Channel 39 (2480MHz)

#### 100kHz PSD Reference Level

Marker Frequency: 2.48000880 GHz  
Mkr1: 2.480 008 80 GHz, 7.46 dBm  
Ref Lvl Offset: 21.60 dB, Ref Level: 21.60 dBm

#### High Band Edge

Marker Frequency: 2.48385200 GHz  
Mkr2: 2.483 852 0 GHz, -57.88 dBm  
Ref Lvl Offset: 21.60 dB, Ref Level: 21.60 dBm

#### Spurious Emission 30MHz ~ 25GHz

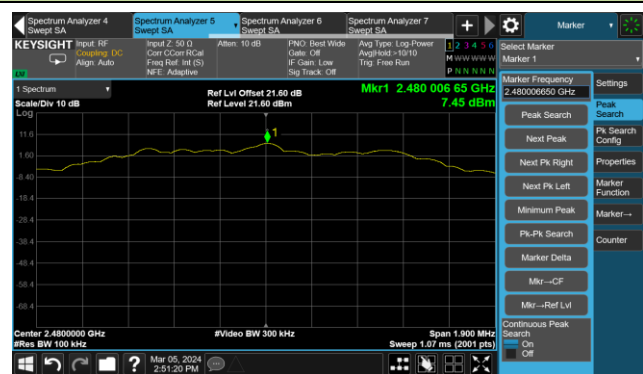
Marker Frequency: 10.16480000 GHz  
Mkr1: 10.164 8 GHz, -57.39 dBm  
Ref Lvl Offset: 21.60 dB, Ref Level: 21.60 dBm

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	10.164 8 GHz	-57.39 dBm		
2	N	1	f	13.662 9 GHz	-59.97 dBm		
3	N	1	f	17.199 8 GHz	-57.02 dBm		

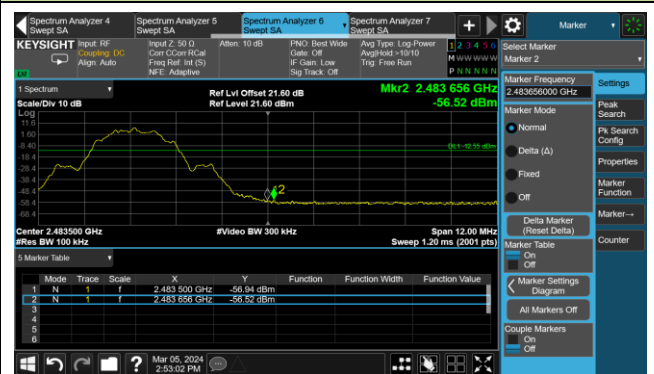
### BLE 2Mbps Out-of-Band Emissions

#### Channel 39 (2480MHz)

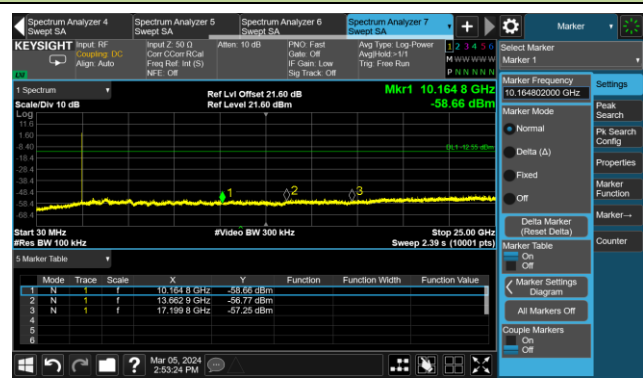
##### 100kHz PSD Reference Level



##### High Band Edge



##### Spurious Emission 30MHz ~ 25GHz



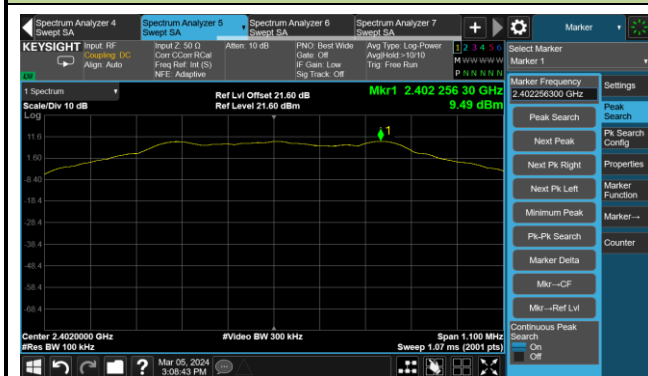
**Mode 2**

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-03-05	Filter	4#

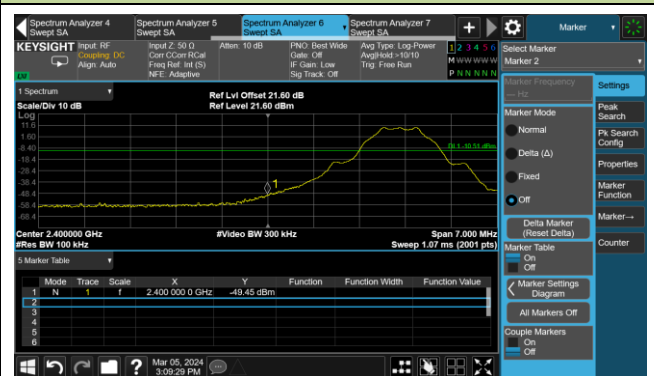
Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	00	2402	20	Pass
BLE	1	19	2440	20	Pass
BLE	1	39	2480	20	Pass
BLE	2	00	2402	20	Pass
BLE	2	19	2440	20	Pass
BLE	2	39	2480	20	Pass

**BLE 1Mbps Out-of-Band Emissions**  
Channel 00 (2402MHz)

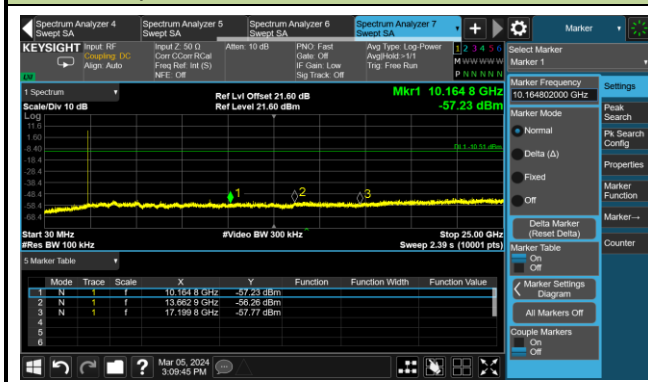
100kHz PSD Reference Level



Low Band Edge

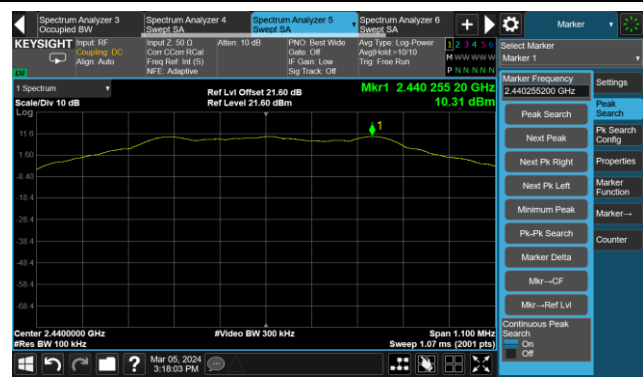


Spurious Emission 30MHz ~ 25GHz

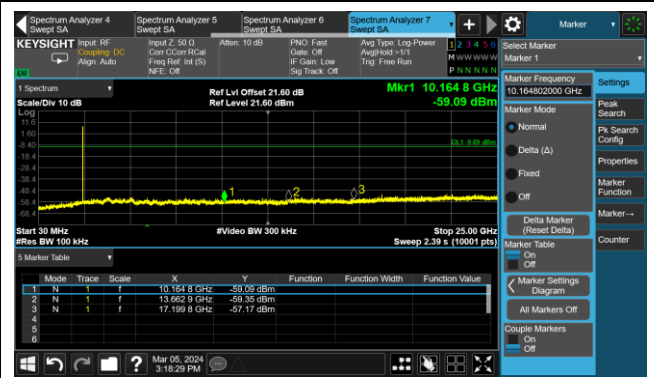


Channel 19 (2440MHz)

100kHz PSD Reference Level



Spurious Emission 30MHz ~ 25GHz

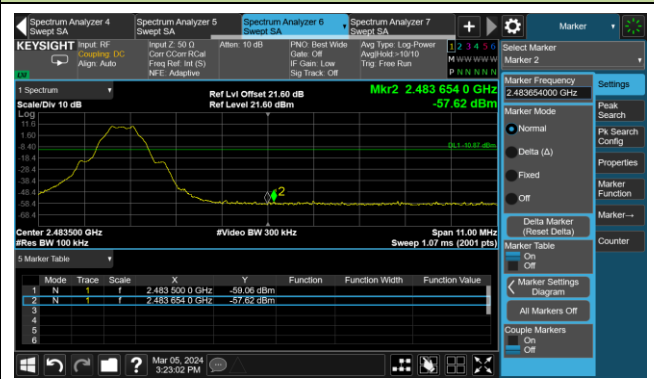


Channel 39 (2480MHz)

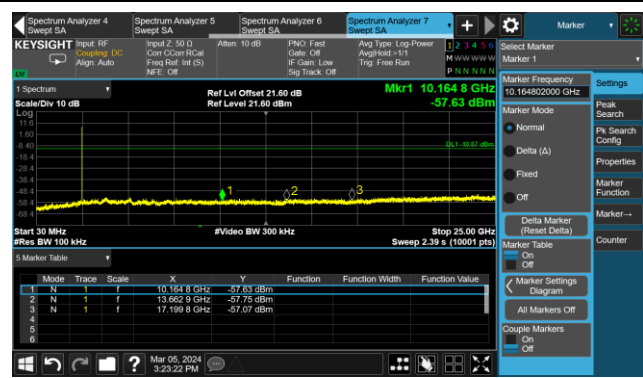
100kHz PSD Reference Level



High Band Edge



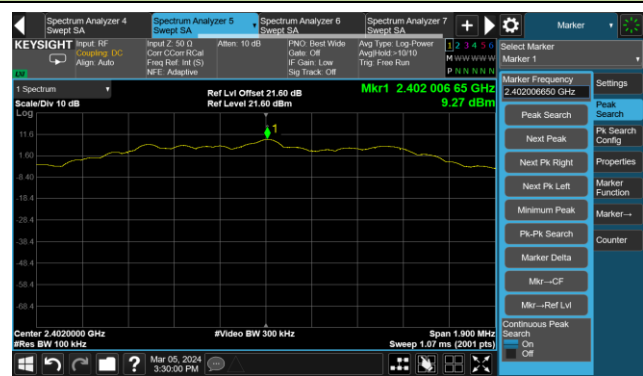
Spurious Emission 30MHz ~ 25GHz



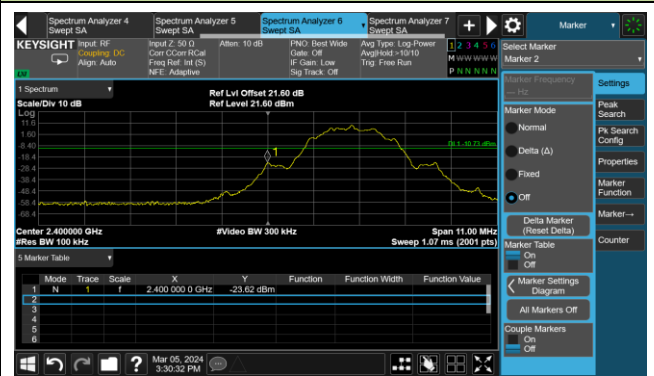
### BLE 2Mbps Out-of-Band Emissions

#### Channel 00 (2402MHz)

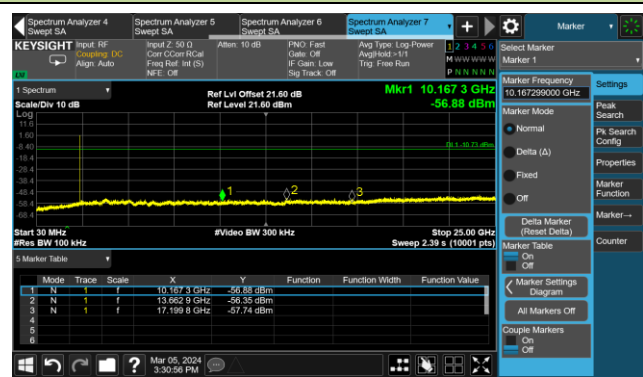
##### 100kHz PSD Reference Level



##### Low Band Edge

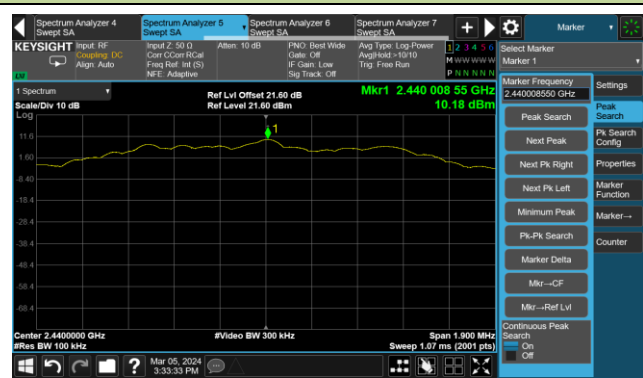


##### Spurious Emission 30MHz ~ 25GHz

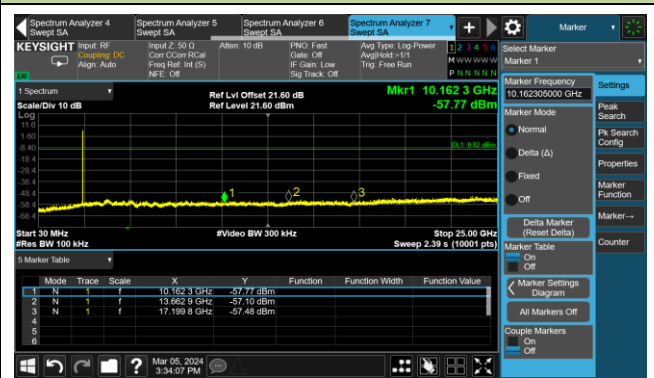


#### Channel 19 (2440MHz)

##### 100kHz PSD Reference Level

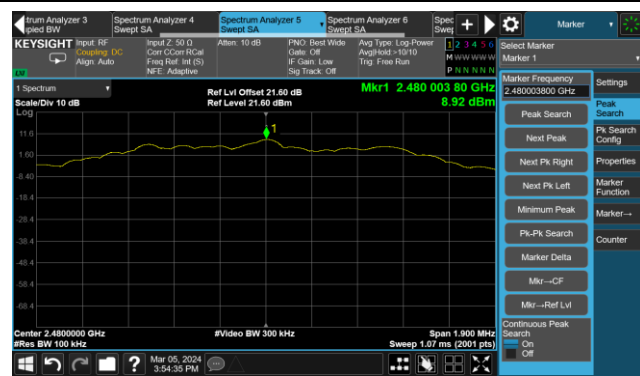


##### Spurious Emission 30MHz ~ 25GHz



Channel 39 (2480MHz)

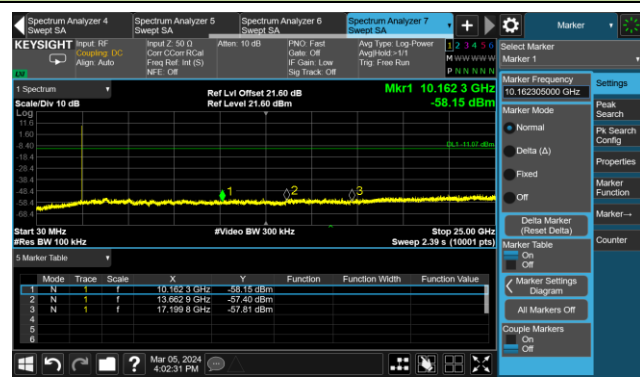
100kHz PSD Reference Level



High Band Edge



Spurious Emission 30MHz ~ 25GHz



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-03-05	Filter	5#

Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	00	2402	20	Pass
BLE	2	00	2402	20	Pass

### BLE 1Mbps Out-of-Band Emissions

#### Channel 00 (2402MHz)

#### 100kHz PSD Reference Level

Marker Frequency: 2.402252450 GHz  
Mkr1 2.402 252 45 GHz  
8.73 dBm

#### Low Band Edge

Marker Frequency: 2.4000000 GHz  
Mkr1 2.400 000 0 GHz  
-49.81 dBm

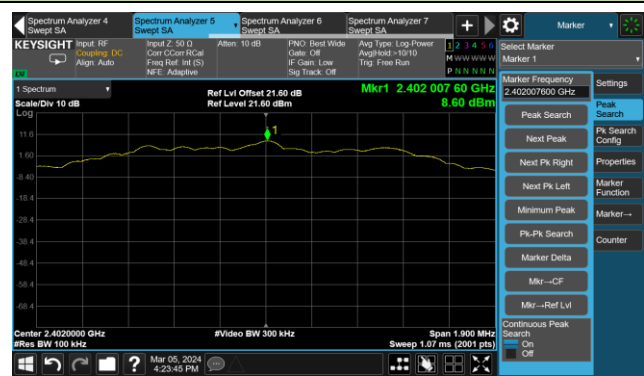
#### Spurious Emission 30MHz ~ 25GHz

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	10.162 3 GHz	-57.08 dBm		
2	N	1	f	13.652 3 GHz	-58.11 dBm		
3	N	1	f	17.199 8 GHz	-56.95 dBm		

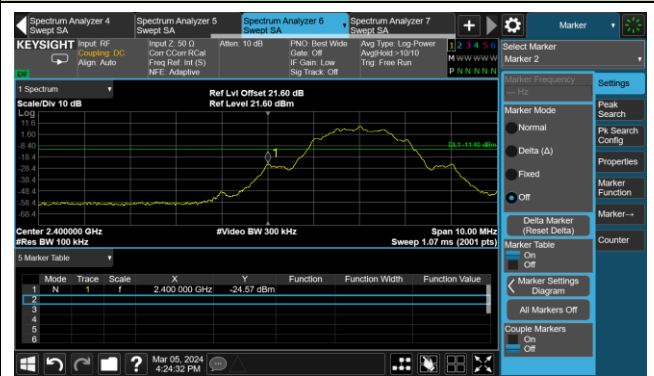
### BLE 2Mbps Out-of-Band Emissions

#### Channel 00 (2402MHz)

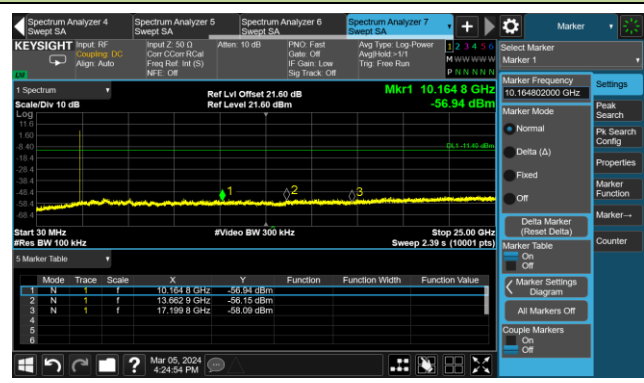
##### 100kHz PSD Reference Level



##### Low Band Edge



##### Spurious Emission 30MHz ~ 25GHz





Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-03-05	Filter	6#

Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	39	2480	20	Pass
BLE	2	39	2480	20	Pass

### BLE 1Mbps Out-of-Band Emissions

#### Channel 39 (2480MHz)

#### 100kHz PSD Reference Level

Marker Frequency: 2.480250000 GHz  
Peak Search: On  
Mkr1 2.480 250 80 GHz  
-6.63 dBm

#### High Band Edge

Marker Frequency: 2.483670500 GHz  
Peak Search: On  
Mkr2 2.483 670 5 GHz  
-57.76 dBm

#### Spurious Emission 30MHz ~ 25GHz

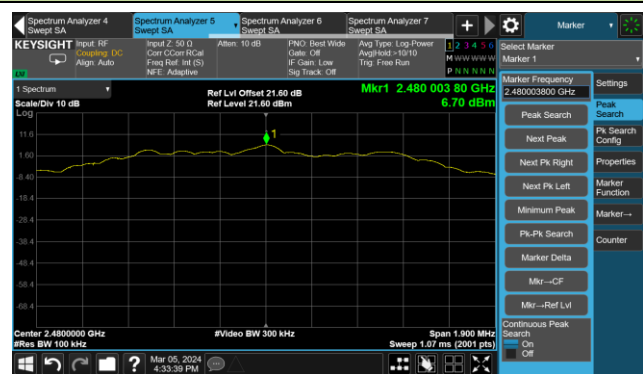
Marker Frequency: 10.164800000 GHz  
Peak Search: On  
Mkr1 10.164 8 GHz  
-57.88 dBm

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	10.164 8 GHz	-57.88 dBm		
2	N	1	f	13.662 3 GHz	-58.78 dBm		
3	N	1	f	17.197 3 GHz	-57.90 dBm		
4							
5							
6							

### BLE 2Mbps Out-of-Band Emissions

#### Channel 39 (2480MHz)

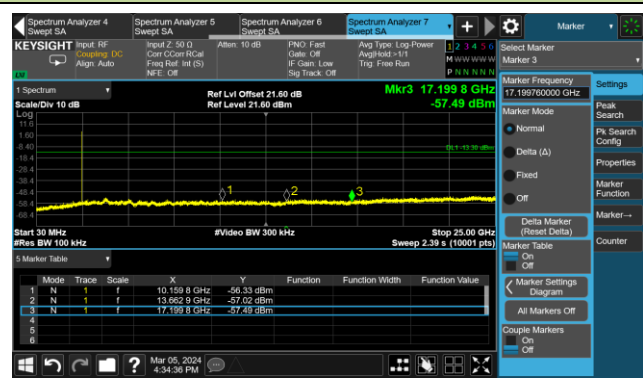
##### 100kHz PSD Reference Level



##### High Band Edge



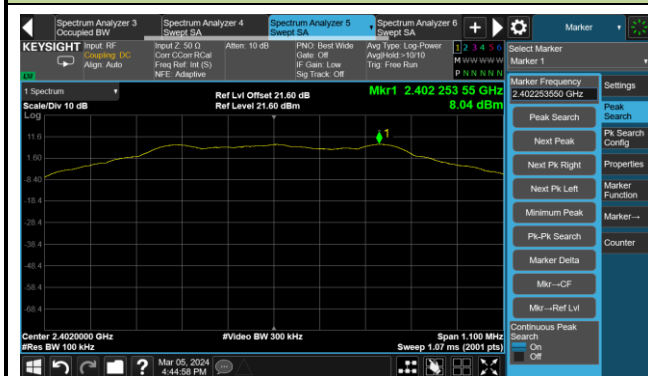
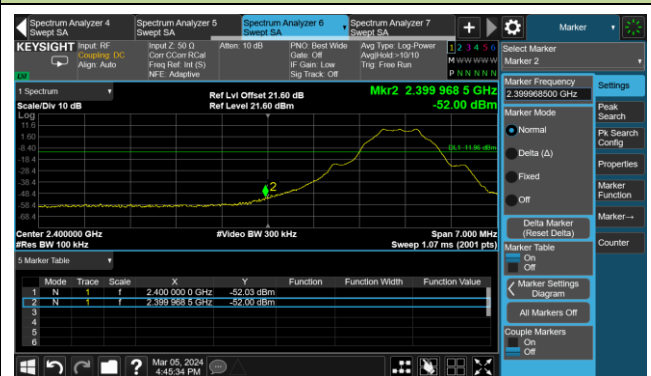
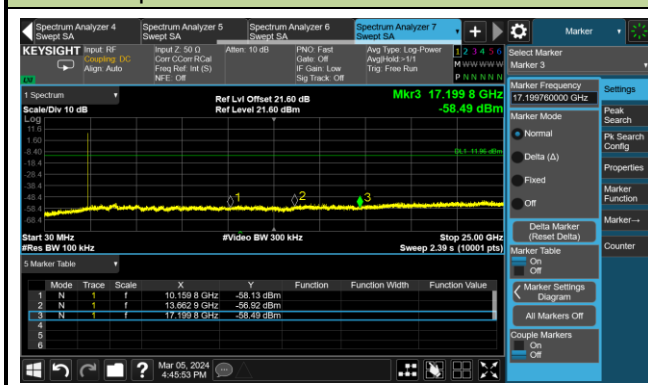
##### Spurious Emission 30MHz ~ 25GHz



**Mode 3**

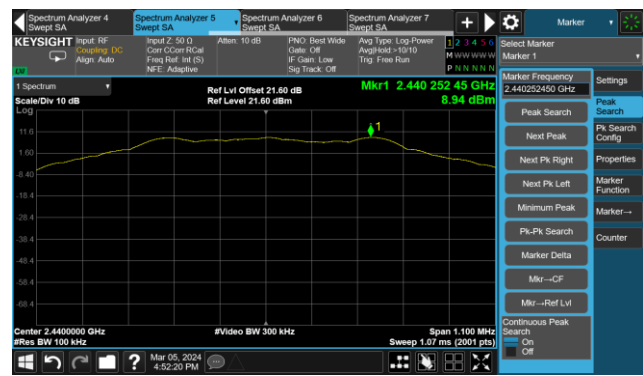
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-03-05	Filter	7#

Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	00	2402	20	Pass
BLE	1	19	2440	20	Pass
BLE	1	39	2480	20	Pass
BLE	2	00	2402	20	Pass
BLE	2	19	2440	20	Pass
BLE	2	39	2480	20	Pass

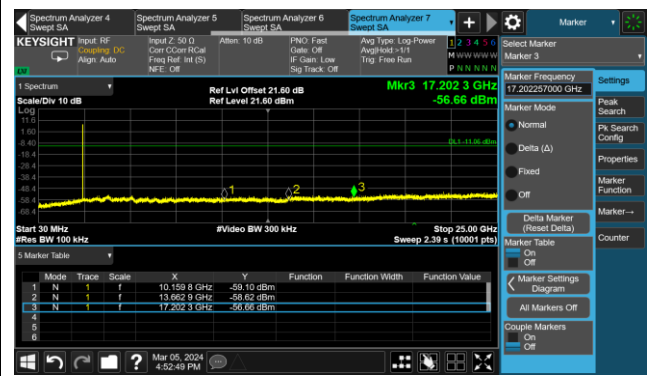
**BLE 1Mbps Out-of-Band Emissions**
**Channel 00 (2402MHz)**
**100kHz PSD Reference Level**

**Low Band Edge**

**Spurious Emission 30MHz ~ 25GHz**


### Channel 19 (2440MHz)

#### 100kHz PSD Reference Level

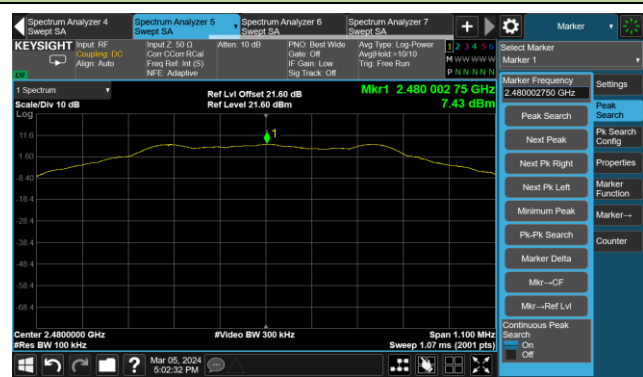


#### Spurious Emission 30MHz ~ 25GHz

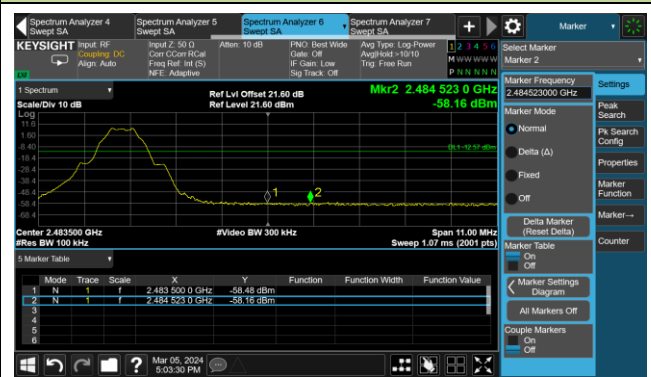


### Channel 39 (2480MHz)

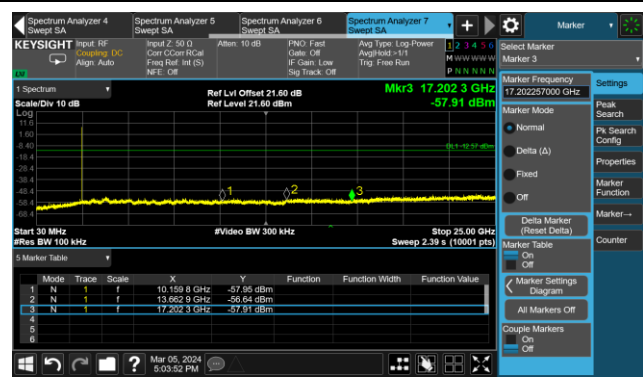
#### 100kHz PSD Reference Level



#### High Band Edge



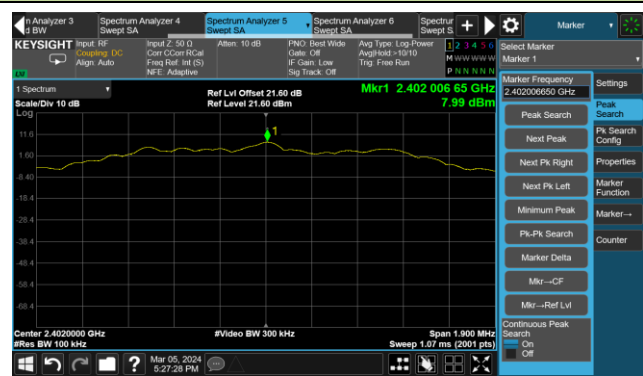
#### Spurious Emission 30MHz ~ 25GHz



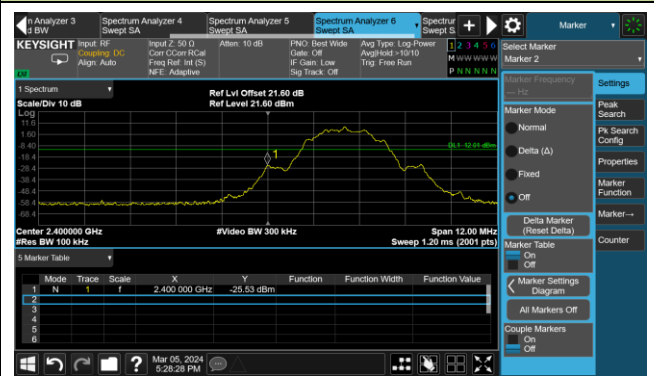
### BLE 2Mbps Out-of-Band Emissions

#### Channel 00 (2402MHz)

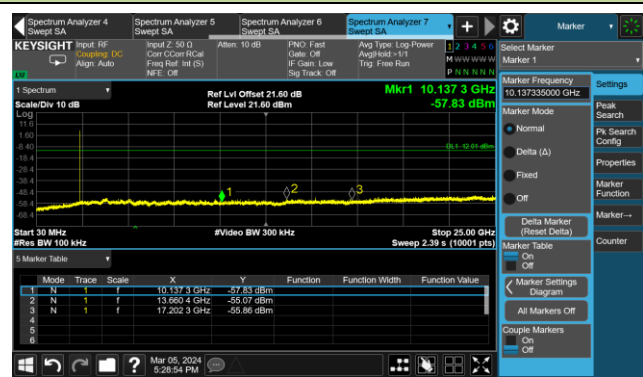
##### 100kHz PSD Reference Level



##### Low Band Edge

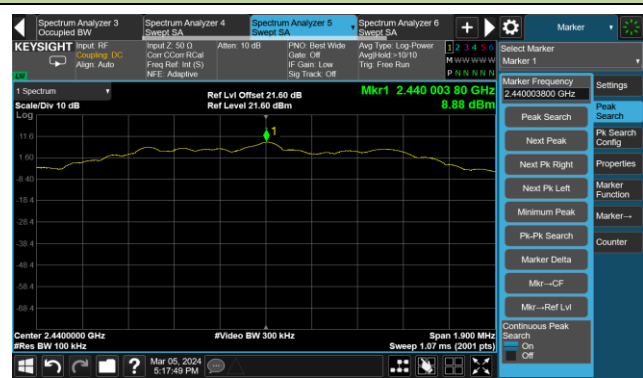


##### Spurious Emission 30MHz ~ 25GHz

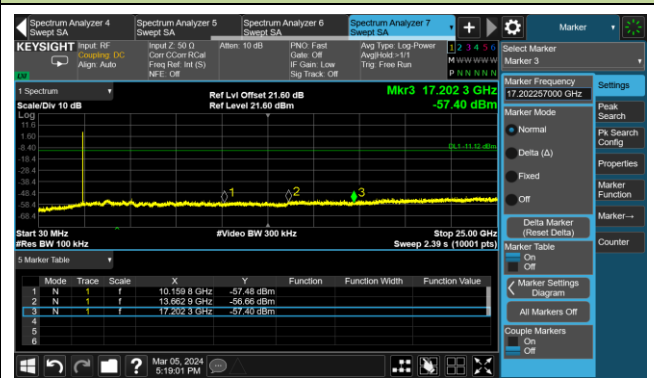


#### Channel 19 (2440MHz)

##### 100kHz PSD Reference Level

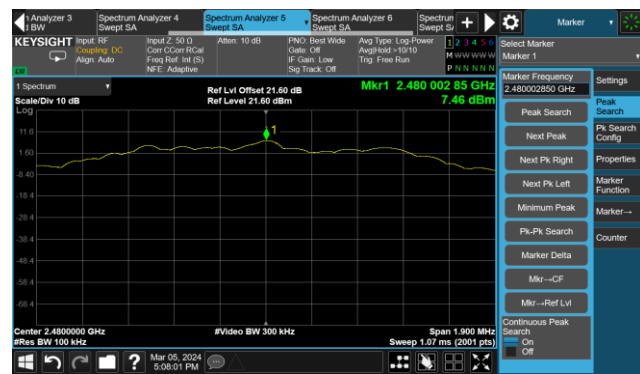


##### Spurious Emission 30MHz ~ 25GHz



## Channel 39 (2480MHz)

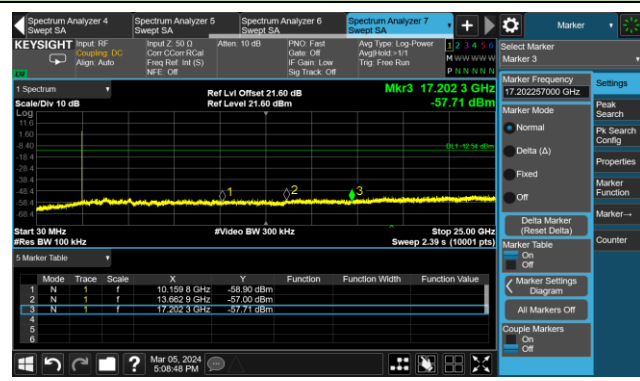
## 100kHz PSD Reference Level



## High Band Edge



## Spurious Emission 30MHz ~ 25GHz



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-03-05	Filter	8#

Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	00	2402	20	Pass
BLE	2	00	2402	20	Pass

### BLE 1Mbps Out-of-Band Emissions

#### Channel 00 (2402MHz)

#### 100kHz PSD Reference Level

Marker 1: 2.40225190 GHz, -7.51 dBm

Ref Lvl Offset: 21.60 dB, Ref Level: 21.60 dBm

#### Low Band Edge

Marker 2: 2.3999510 GHz, -51.77 dBm

Ref Lvl Offset: 21.60 dB, Ref Level: 21.60 dBm

#### Spurious Emission 30MHz ~ 25GHz

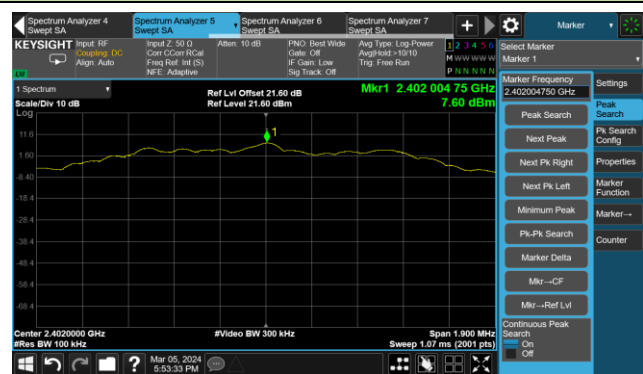
Marker 3: 17.20974000 GHz, -57.09 dBm

Ref Lvl Offset: 21.60 dB, Ref Level: 21.60 dBm

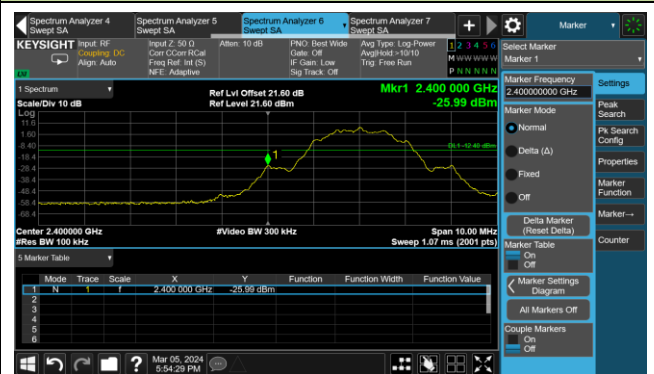
## BLE 2Mbps Out-of-Band Emissions

### Channel 00 (2402MHz)

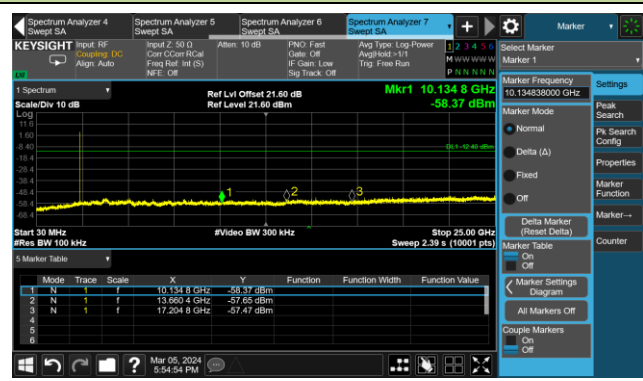
#### 100kHz PSD Reference Level



#### Low Band Edge



#### Spurious Emission 30MHz ~ 25GHz





Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-03-05	Filter	9#

Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	39	2480	20	Pass
BLE	2	39	2480	20	Pass

### BLE 1Mbps Out-of-Band Emissions

#### Channel 39 (2480MHz)

#### 100kHz PSD Reference Level

Marker Frequency: 2.480257400 GHz  
Mkr1 2.480 257 40 GHz  
5.81 dBm

#### High Band Edge

Marker Frequency: 2.483925000 GHz  
Mkr2 2.483 925 GHz  
-57.29 dBm

#### Spurious Emission 30MHz ~ 25GHz

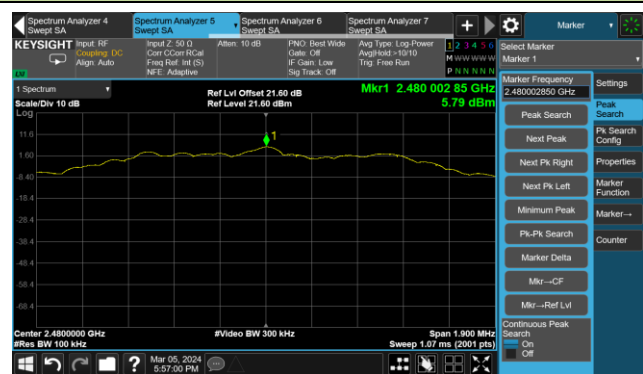
Marker Frequency: 10.129840000 GHz  
Mkr1 10.129 8 GHz  
-56.84 dBm

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	10.129 8 GHz	-56.84 dBm		
2	N	1	f	13.600 4 GHz	-55.68 dBm		
3	N	1	f	17.204 8 GHz	-57.32 dBm		
4							
5							
6							

### BLE 2Mbps Out-of-Band Emissions

#### Channel 39 (2480MHz)

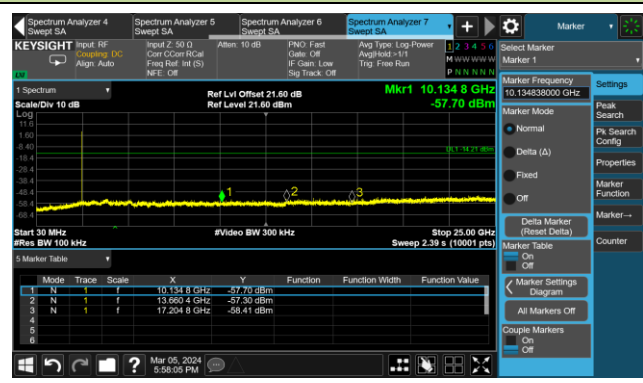
##### 100kHz PSD Reference Level



##### High Band Edge



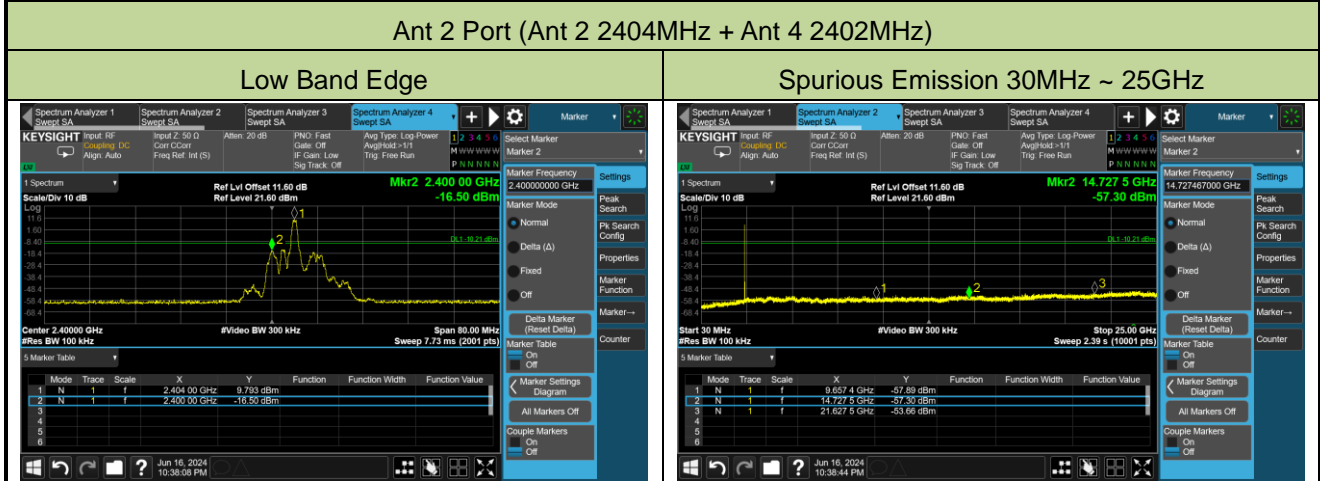
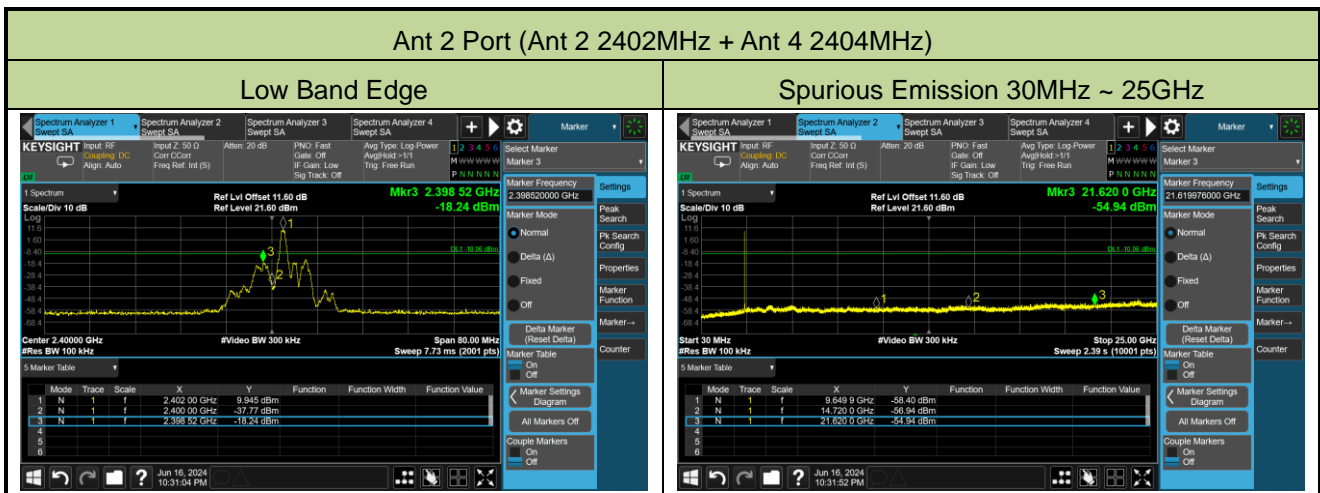
##### Spurious Emission 30MHz ~ 25GHz



**Mode 4**

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-06-16		

Ant 2 Frequency (MHz)	Ant 4 Frequency (MHz)	Limit (dBc)	Result
2402	2404	20	Pass
2404	2402	20	Pass
2478	2480	20	Pass
2480	2478	20	Pass

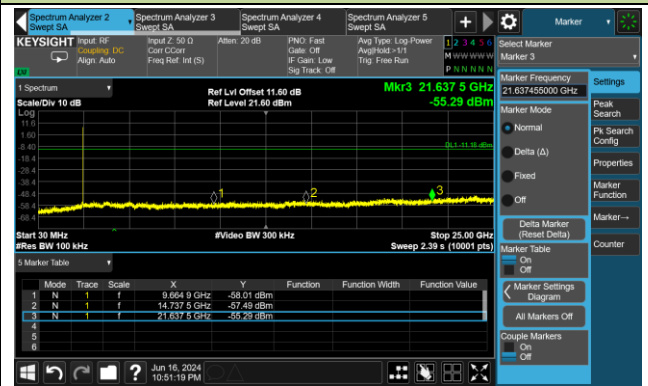


Ant 2 Port (Ant 2 2478MHz + Ant 4 2480MHz)

High Band Edge

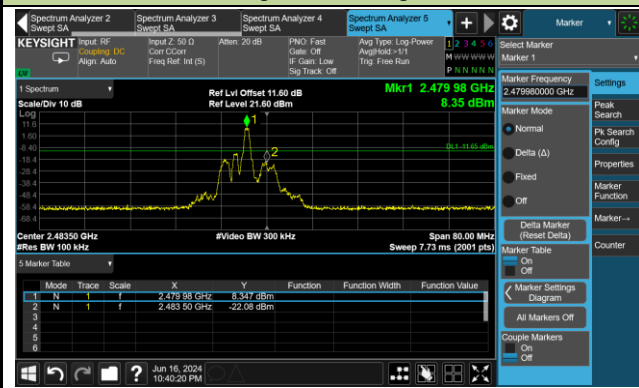


Spurious Emission 30MHz ~ 25GHz



Ant 2 Port (Ant 2 2480MHz + Ant 4 2478MHz)

High Band Edge



Spurious Emission 30MHz ~ 25GHz

