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<p>Appendix B: 802.11ax Test Plot</p>	<p>FCC ID A3LSMX810</p>
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**REVISION HISTORY**

The revision history for this document is shown in table.

Revision No.	Date of Issue	Description
0	May 16, 2023	Initial Release

**Note:**

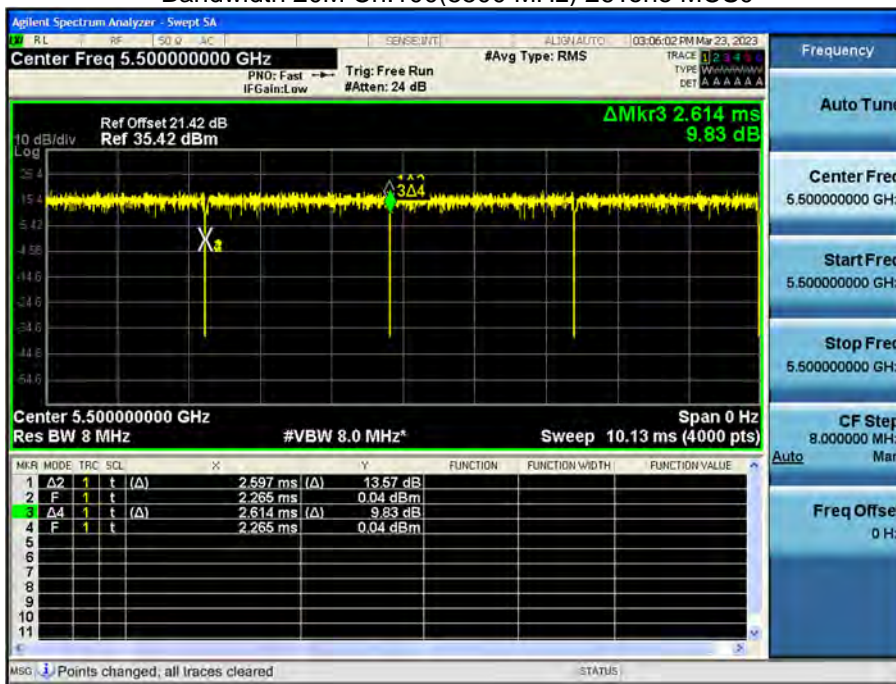
In order to simplify the report, attached plots were only the most lowest datarate.

### 1. Duty Cycle

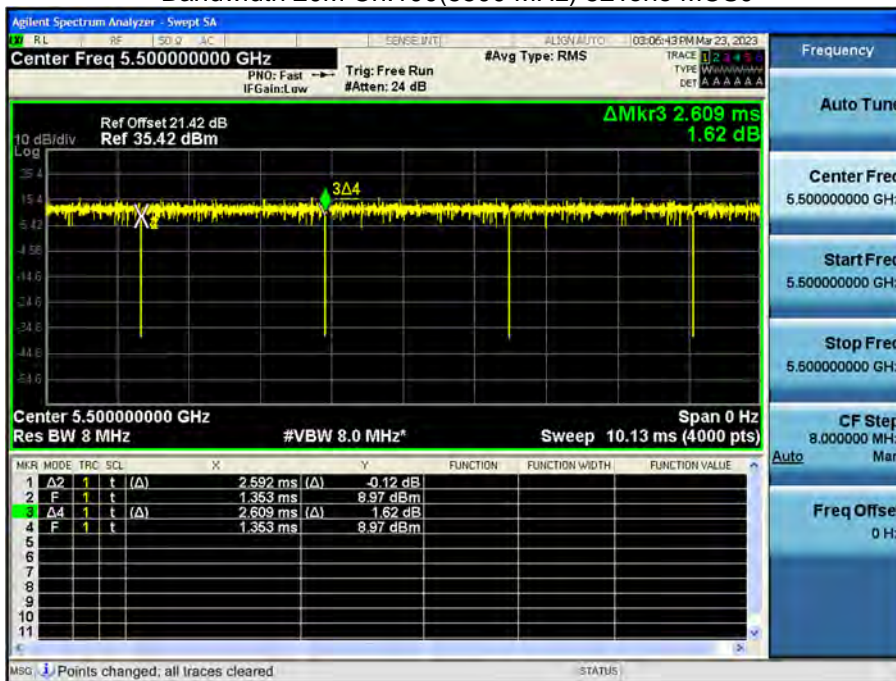
**Note :**

1. Duty Cycle Factor =  $10 \cdot \log(1/\text{Duty Cycle})$ . where, Duty Cycle =  $T_{on} / T_{total}$
2. In order to simplify the report, attached plots were only the most lowest datarate.
3. Test was performed with continuous Tx.(Duty cycle  $\geq 98\%$  Continuous Signal)

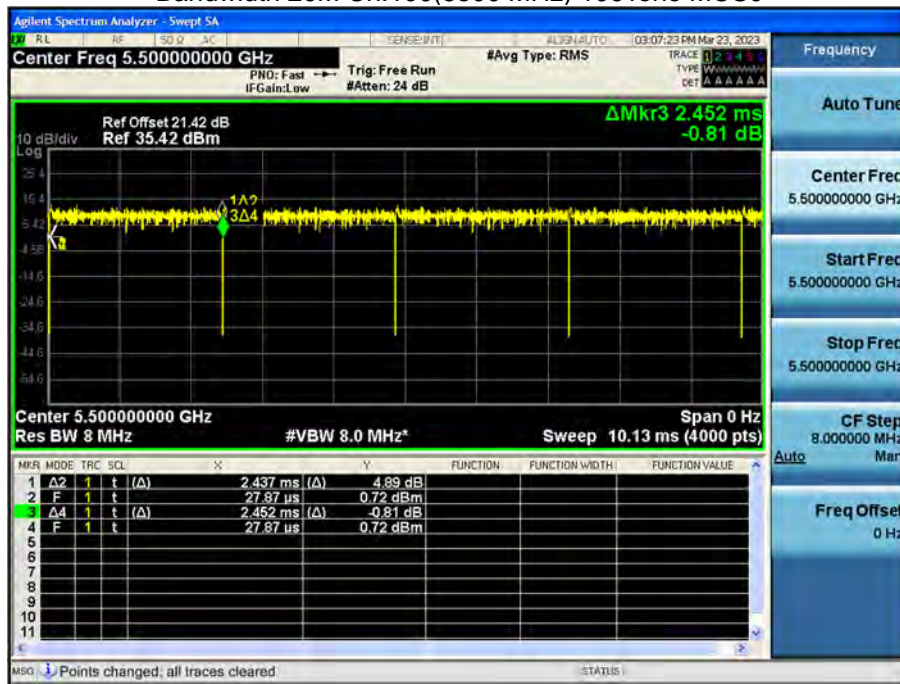
Bandwidth 20M Ch.100(5500 MHz) 26Tone MCS0



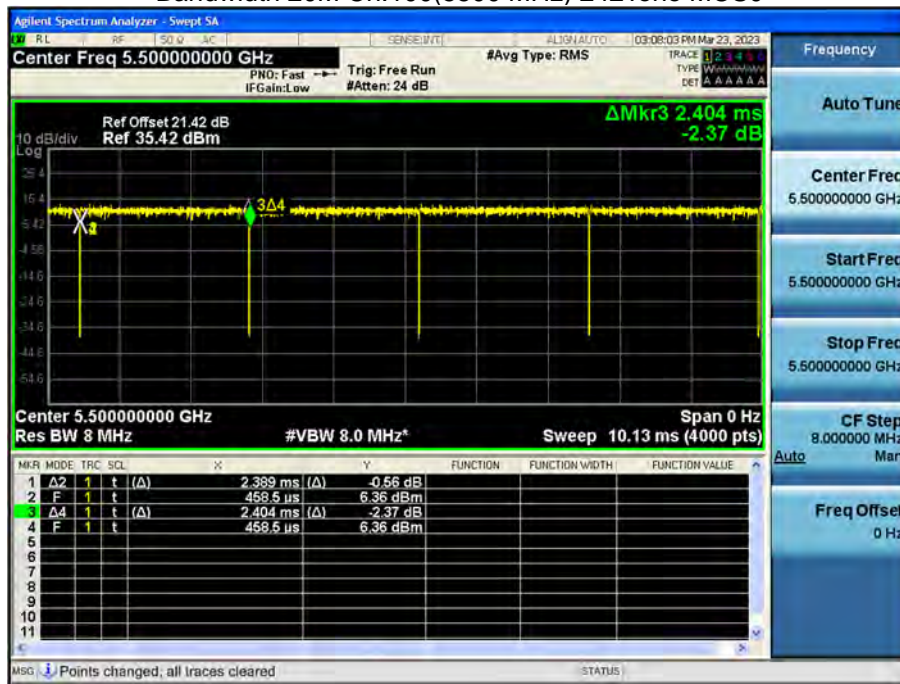
Bandwidth 20M Ch.100(5500 MHz) 52Tone MCS0



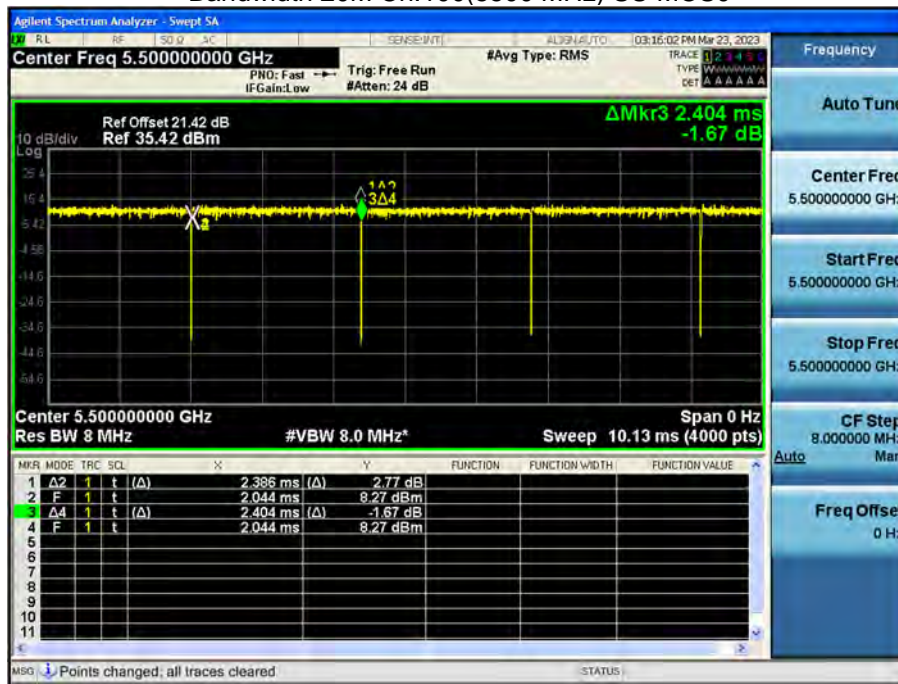
Bandwidth 20M Ch.100(5500 MHz) 106Tone MCS0



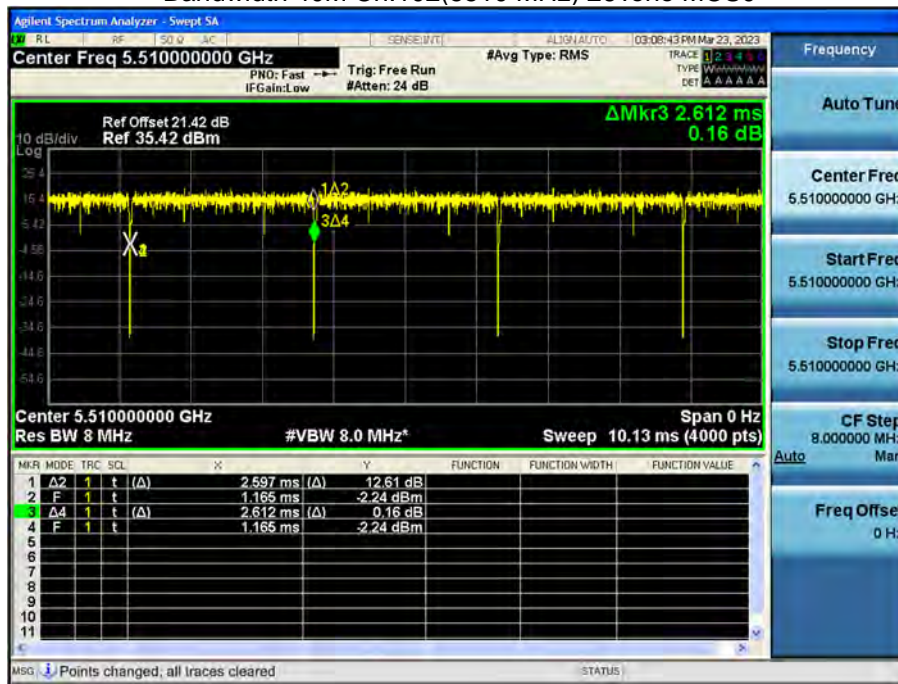
Bandwidth 20M Ch.100(5500 MHz) 242Tone MCS0



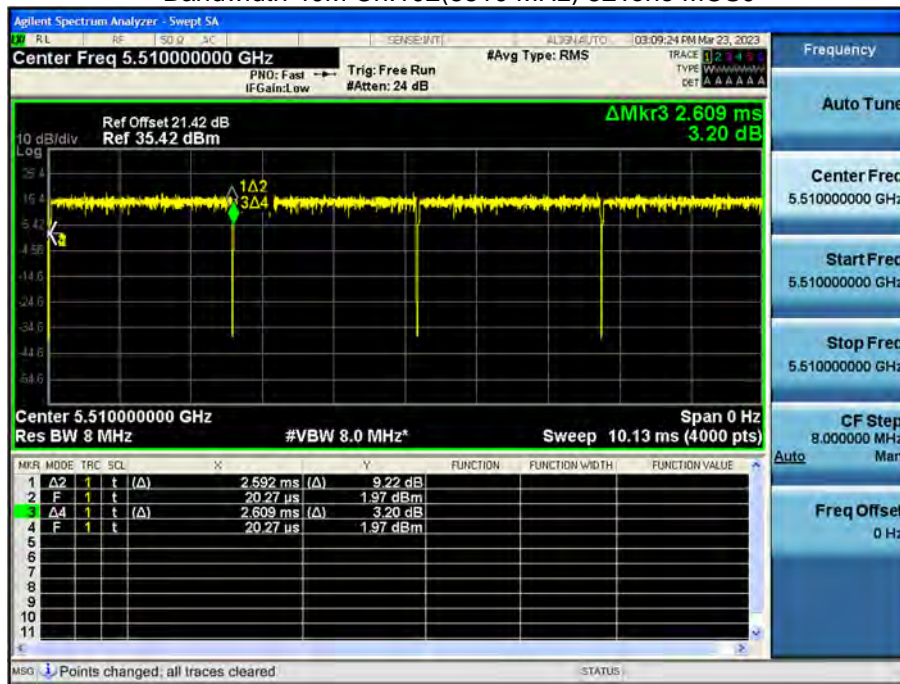
Bandwidth 20M Ch.100(5500 MHz) SU MCS0



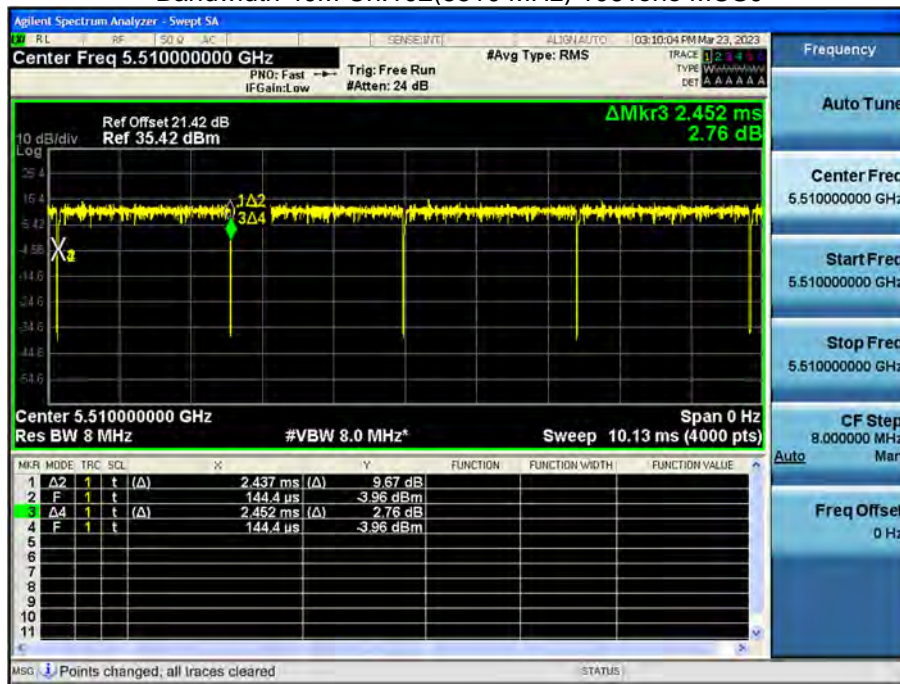
Bandwidth 40M Ch.102(5510 MHz) 26Tone MCS0



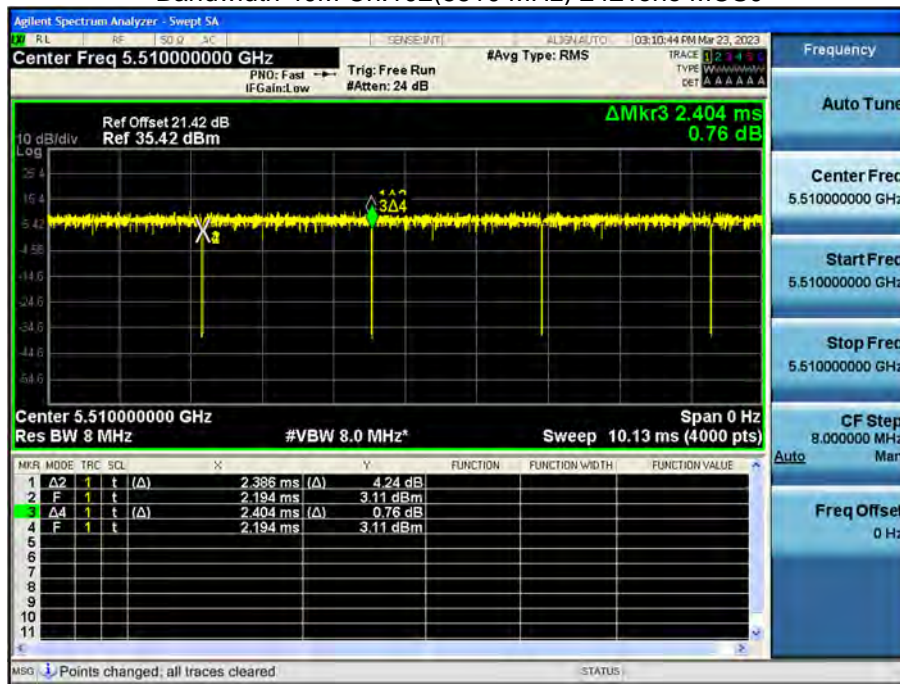
Bandwidth 40M Ch.102(5510 MHz) 52Tone MCS0



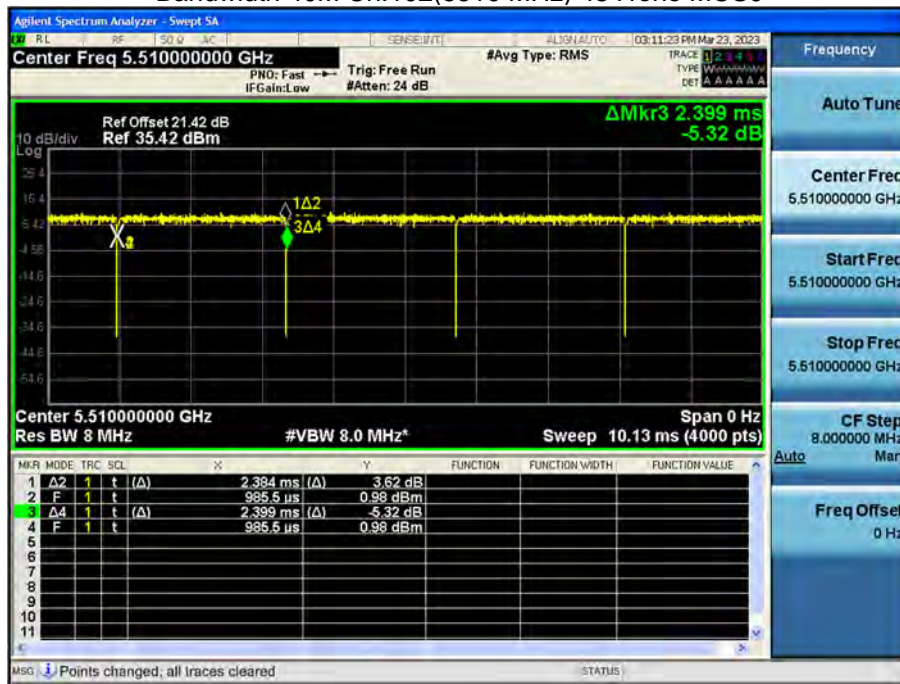
Bandwidth 40M Ch.102(5510 MHz) 106Tone MCS0



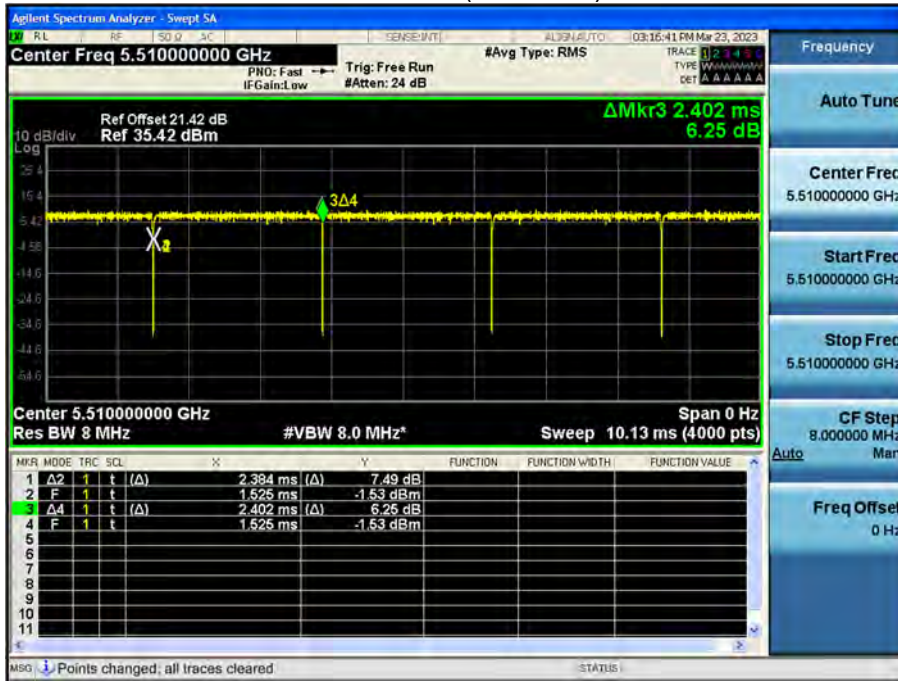
Bandwidth 40M Ch.102(5510 MHz) 242Tone MCS0



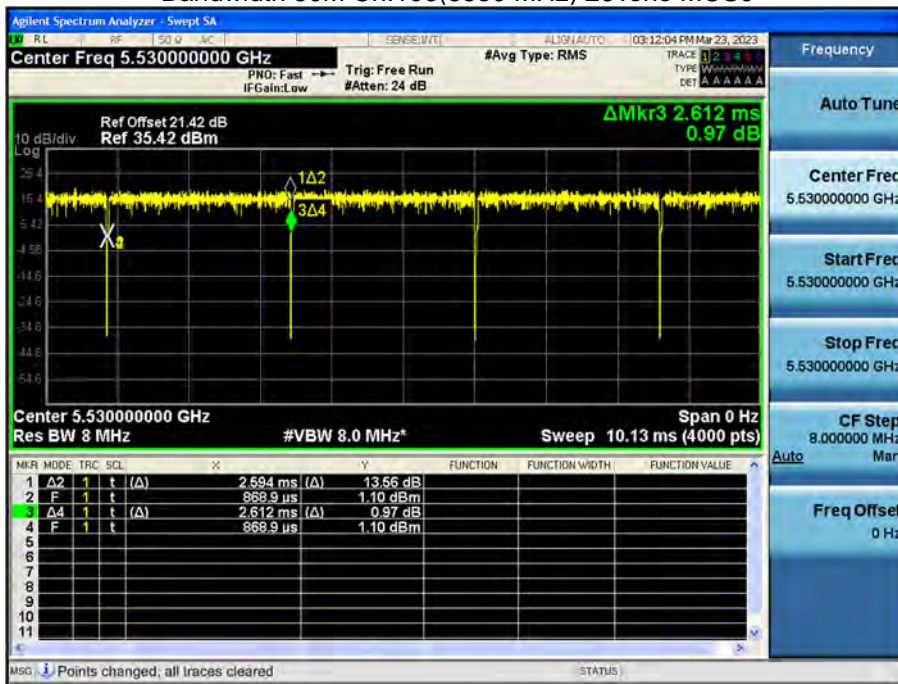
Bandwidth 40M Ch.102(5510 MHz) 484Tone MCS0



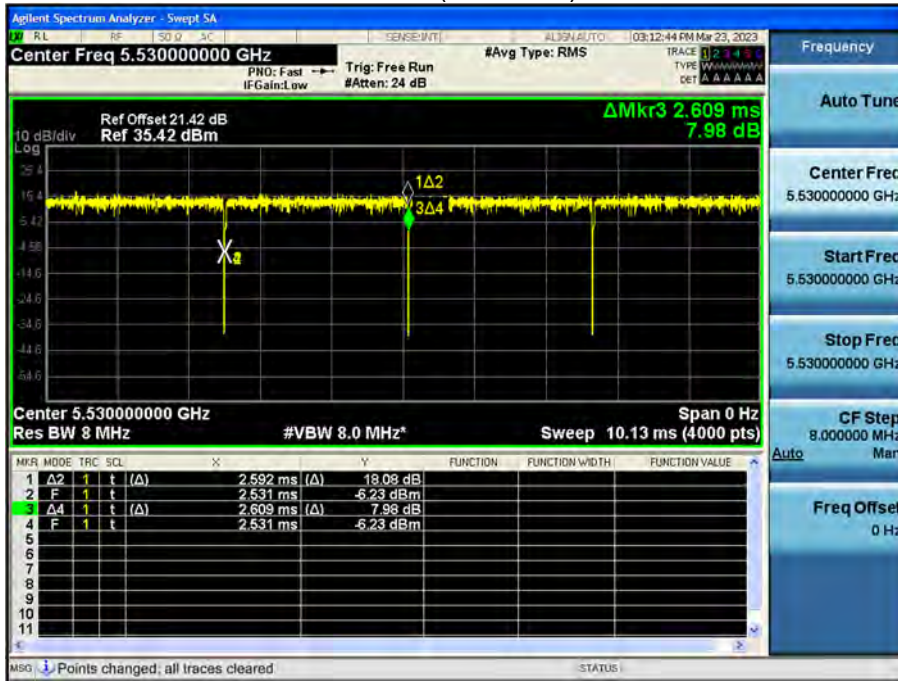
Bandwidth 40M Ch.102(5510 MHz) SU MCS0



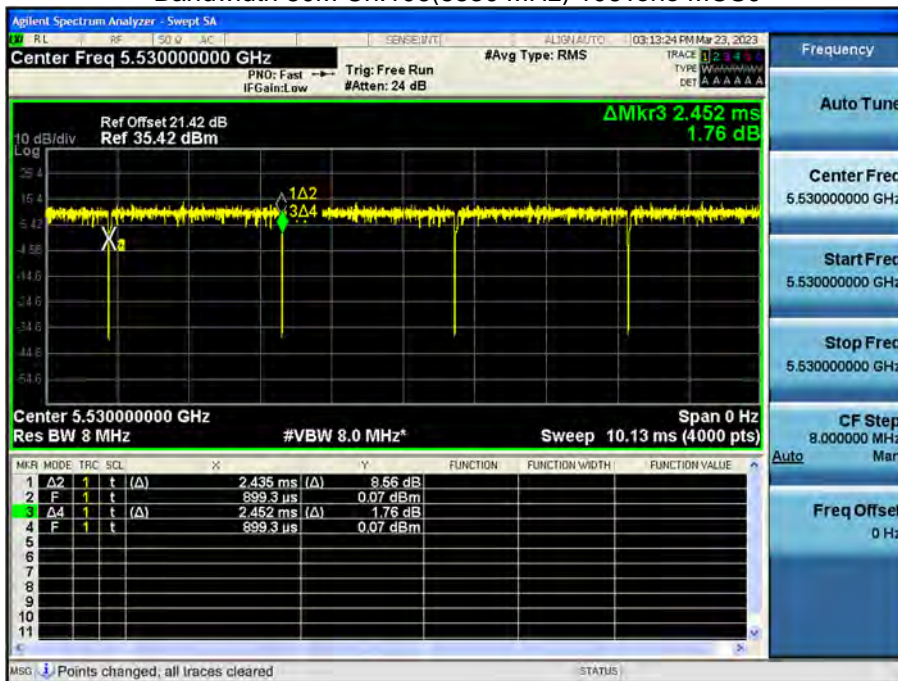
Bandwidth 80M Ch.106(5530 MHz) 26Tone MCS0



Bandwidth 80M Ch.106(5530 MHz) 52Tone MCS0

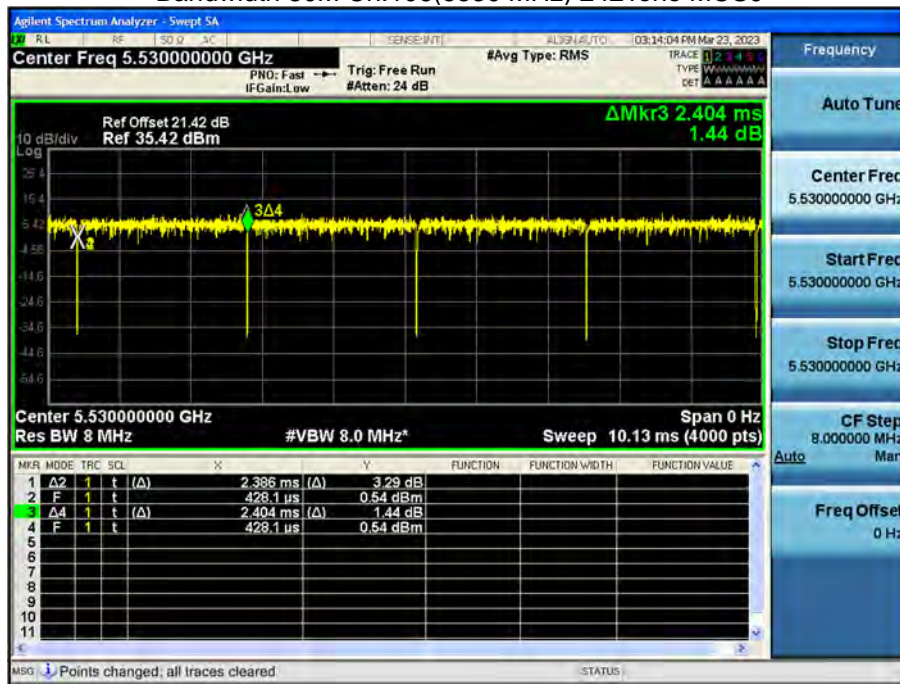


Bandwidth 80M Ch.106(5530 MHz) 106Tone MCS0

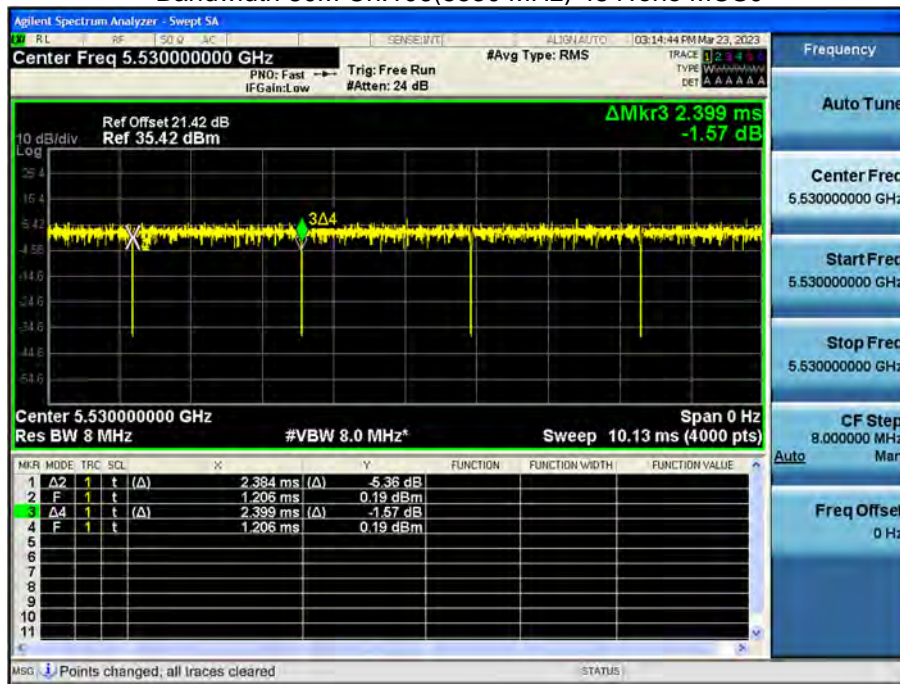




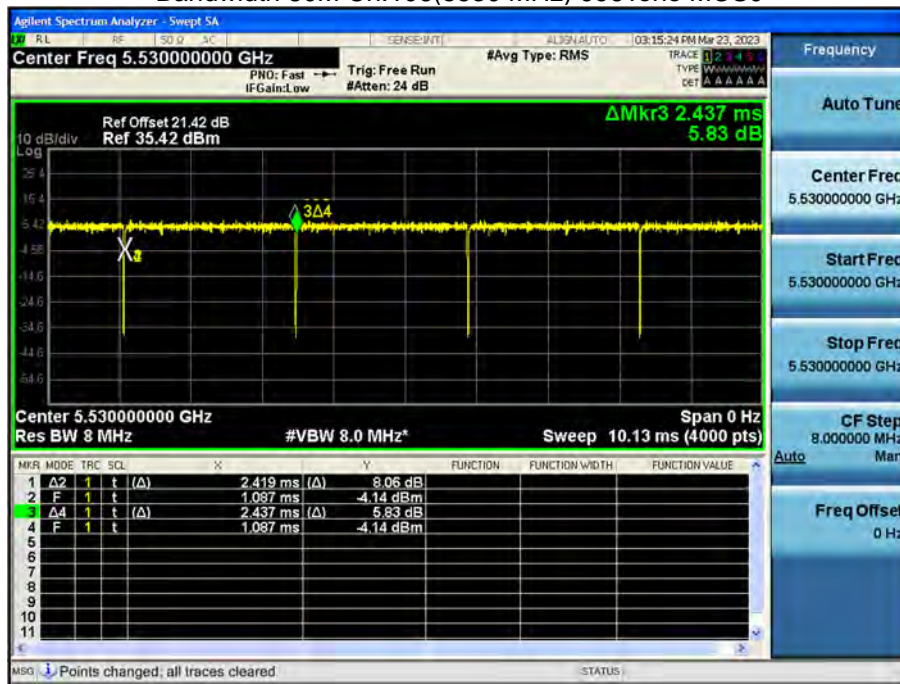
Bandwidth 80M Ch.106(5530 MHz) 242Tone MCS0



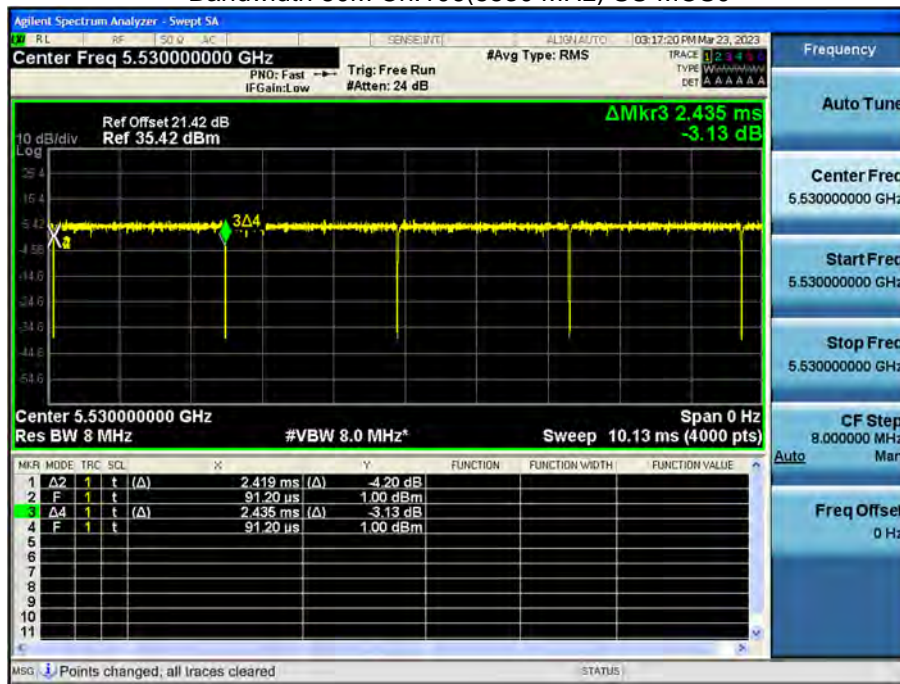
Bandwidth 80M Ch.106(5530 MHz) 484Tone MCS0



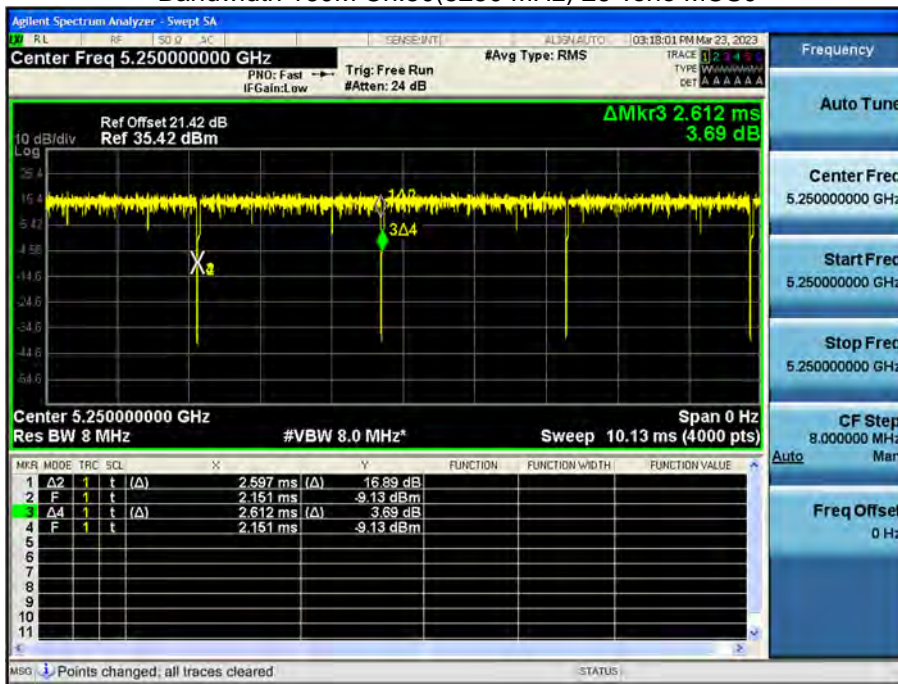
Bandwidth 80M Ch.106(5530 MHz) 996Tone MCS0



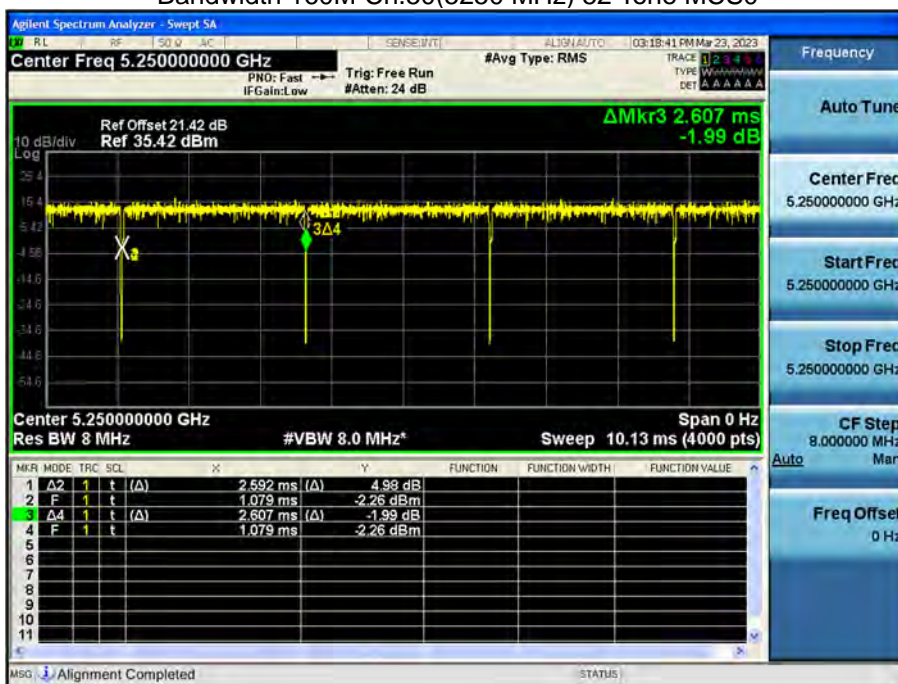
Bandwidth 80M Ch.106(5530 MHz) SU MCS0



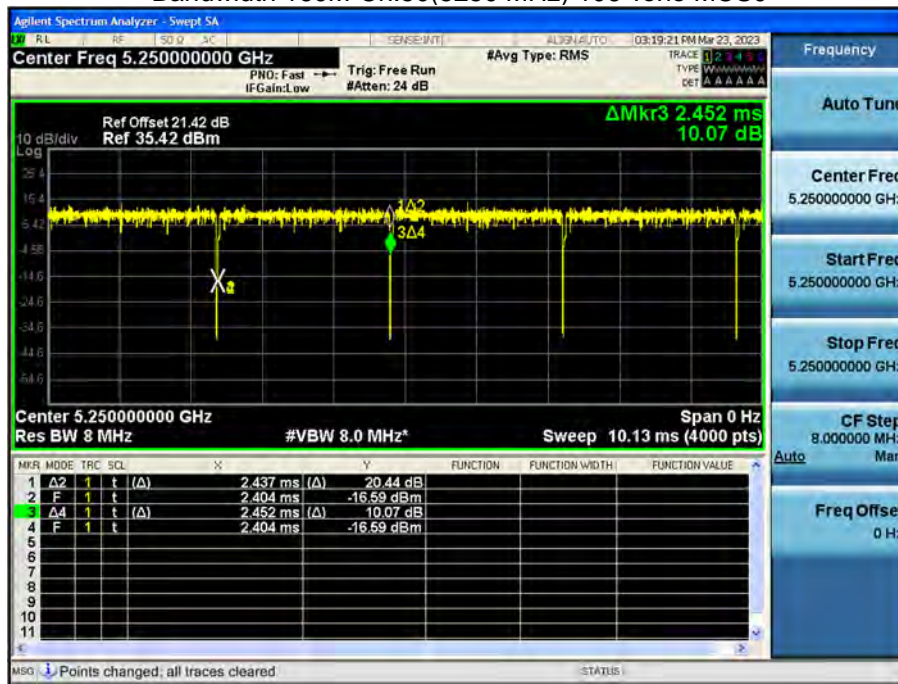
Bandwidth 160M Ch.50(5250 MHz) 26 Tone MCS0



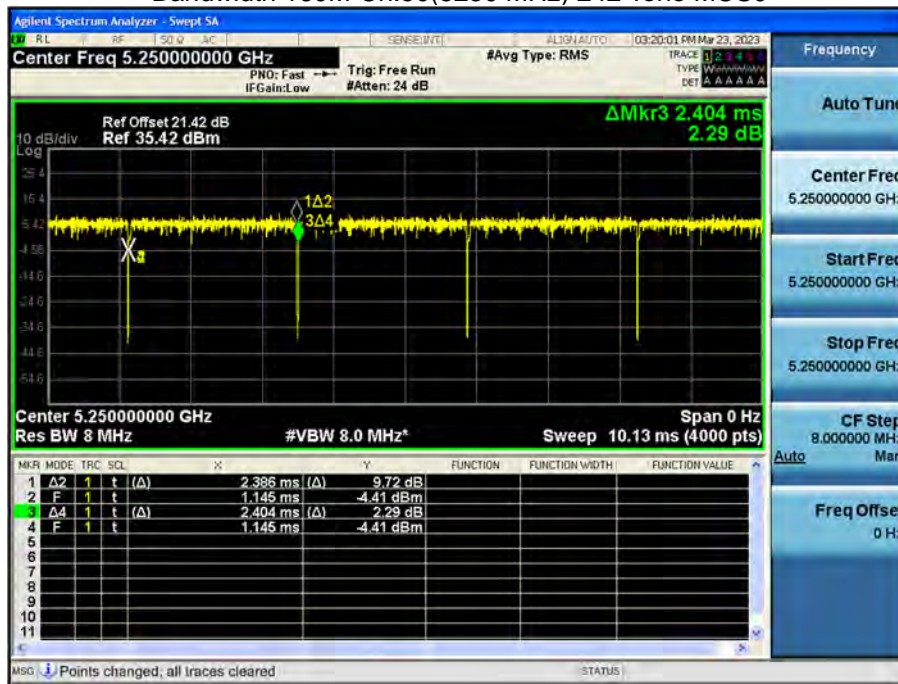
Bandwidth 160M Ch.50(5250 MHz) 52 Tone MCS0



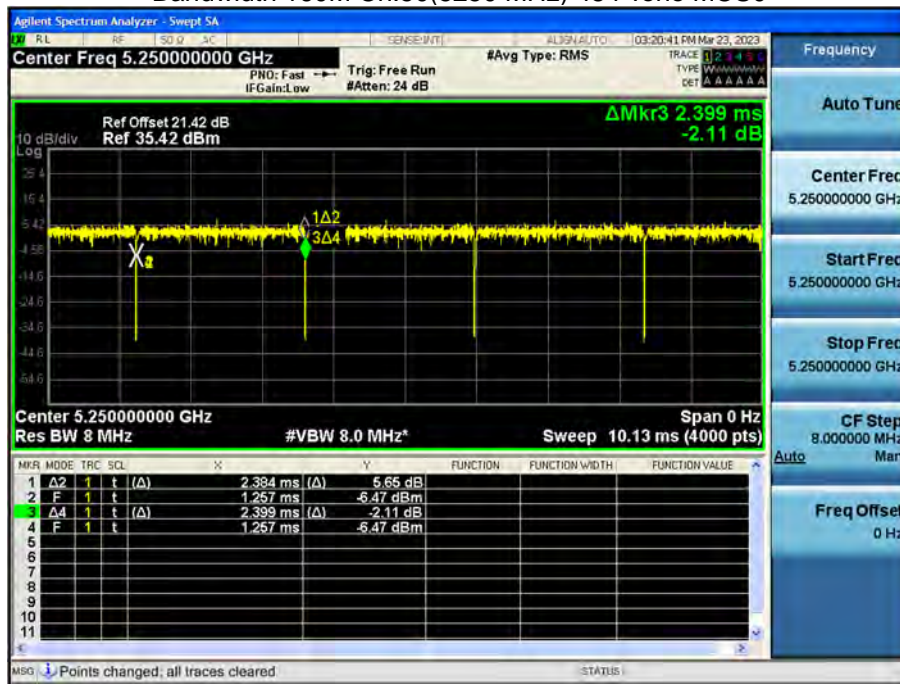
Bandwidth 160M Ch.50(5250 MHz) 106 Tone MCS0



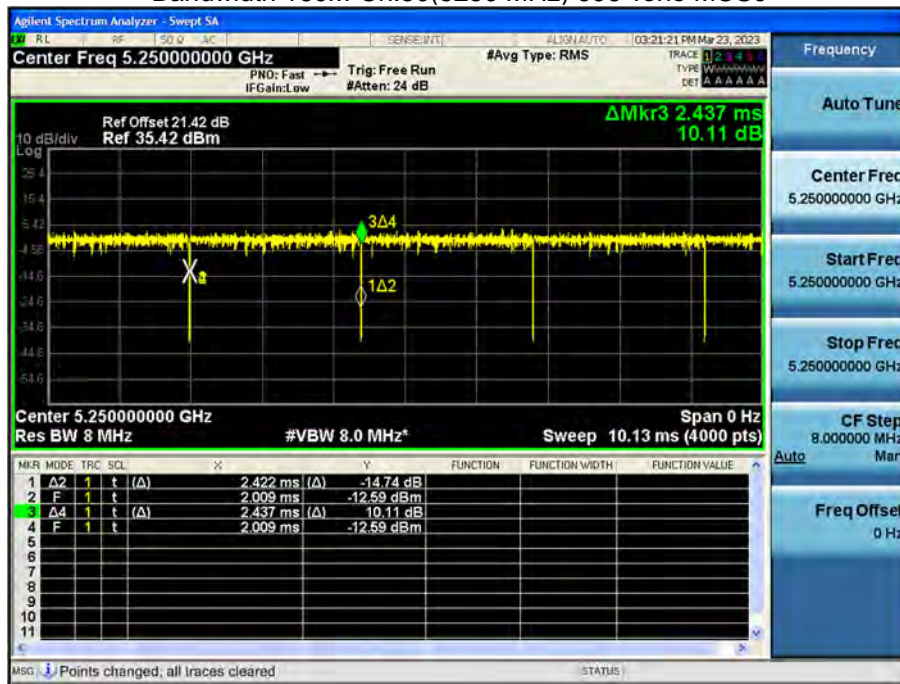
Bandwidth 160M Ch.50(5250 MHz) 242 Tone MCS0



Bandwidth 160M Ch.50(5250 MHz) 484 Tone MCS0



Bandwidth 160M Ch.50(5250 MHz) 996 Tone MCS0



Bandwidth 160M Ch.50(5250 MHz) SU MCS0



## 2. 26dB Bandwidth

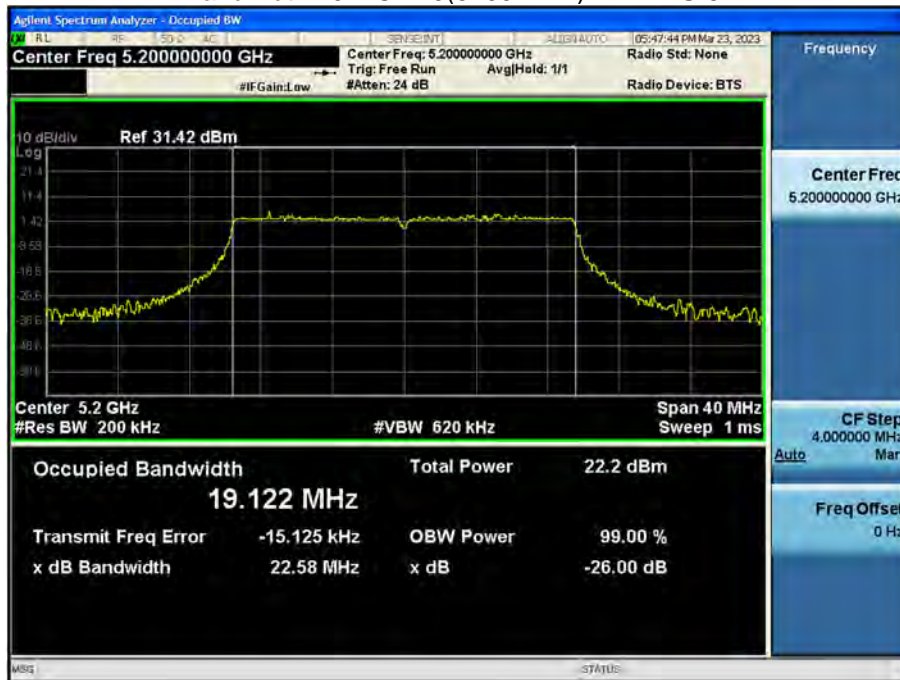
**Note:**

1. In order to simplify the report, attached plots were only MIMO Ant.1(Worst Case: Ant.1).
2. In order to simplify the report, attached plots were only the widest channel.

Bandwidth 20M Ch.36(5180 MHz) 242T RU 61



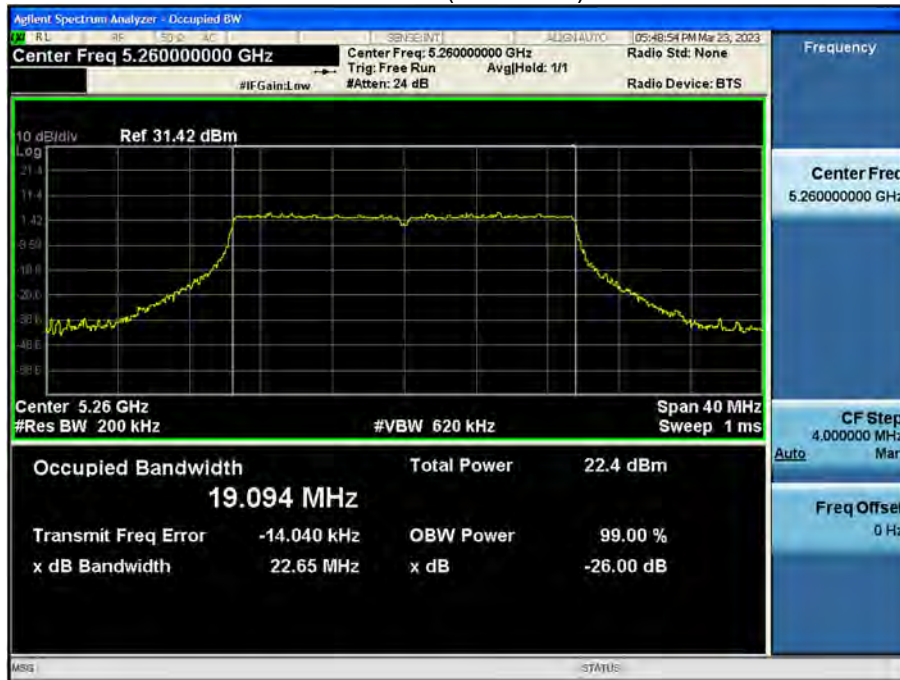
Bandwidth 20M Ch.40(5200 MHz) 242T RU 61



Bandwidth 20M Ch.48(5240 MHz) 242T RU 61

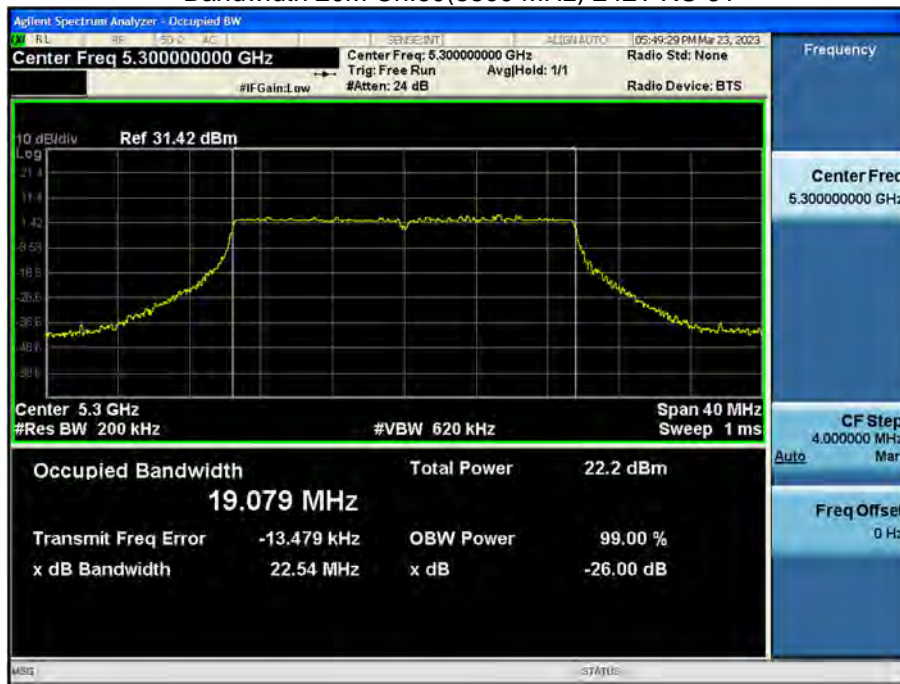


Bandwidth 20M Ch.52(5260 MHz) 242T RU 61

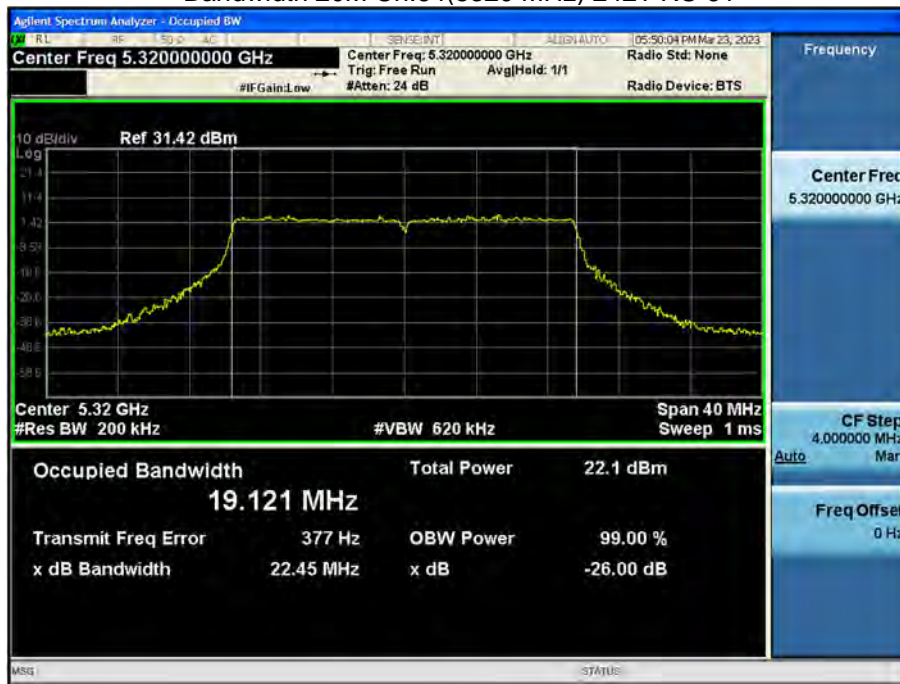




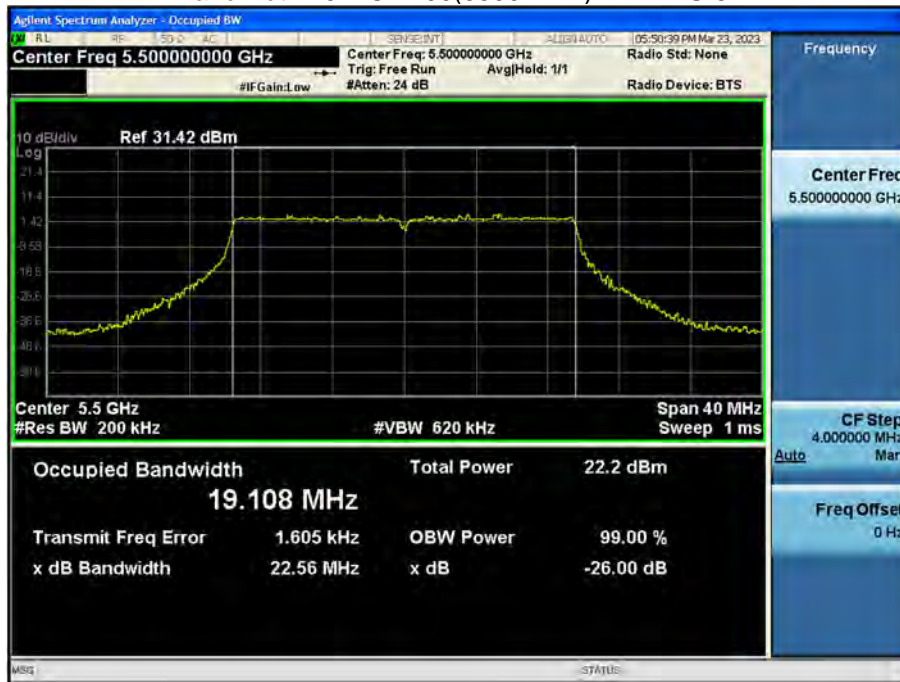
Bandwidth 20M Ch.60(5300 MHz) 242T RU 61



Bandwidth 20M Ch.64(5320 MHz) 242T RU 61



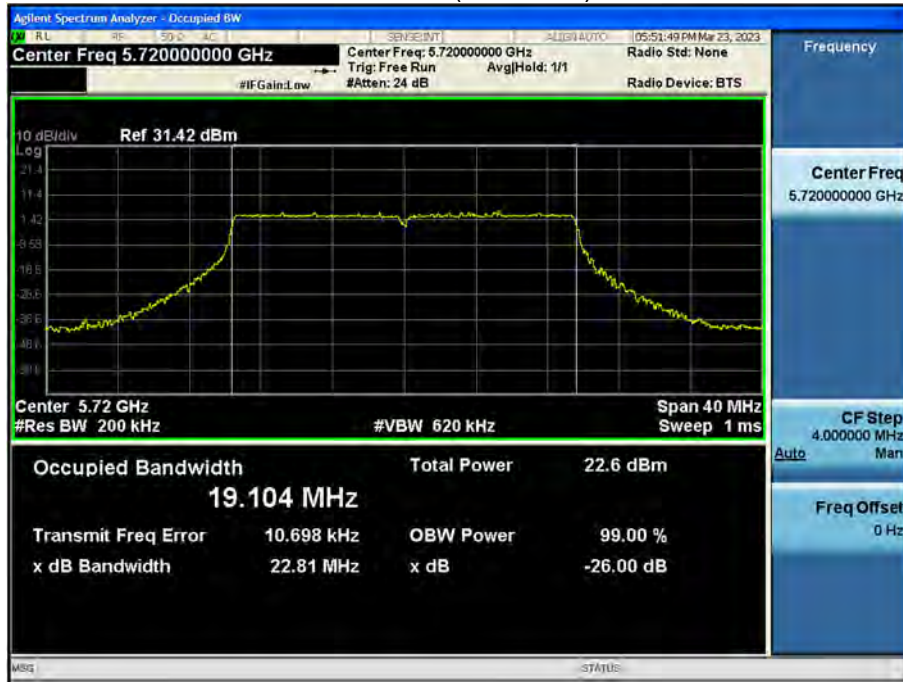
Bandwidth 20M Ch.100(5500 MHz) 242T RU 61



Bandwidth 20M Ch.116(5580 MHz) 242T RU 61



Bandwidth 20M Ch.144(5720 MHz) 242T RU 61



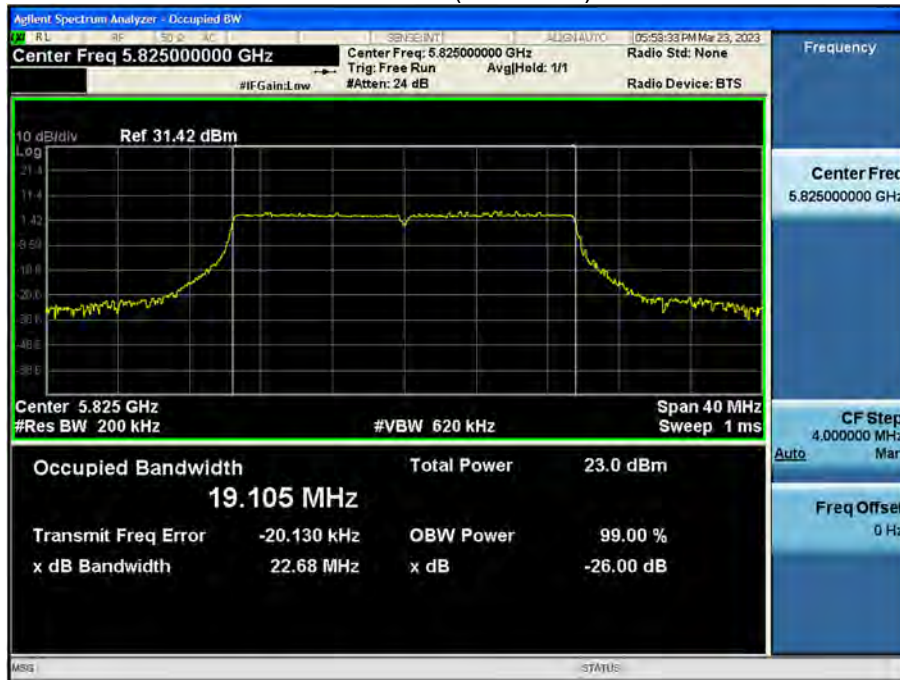
Bandwidth 20M Ch.149(5745 MHz) 242T RU 61



Bandwidth 20M Ch.157(5785 MHz) 242T RU 61



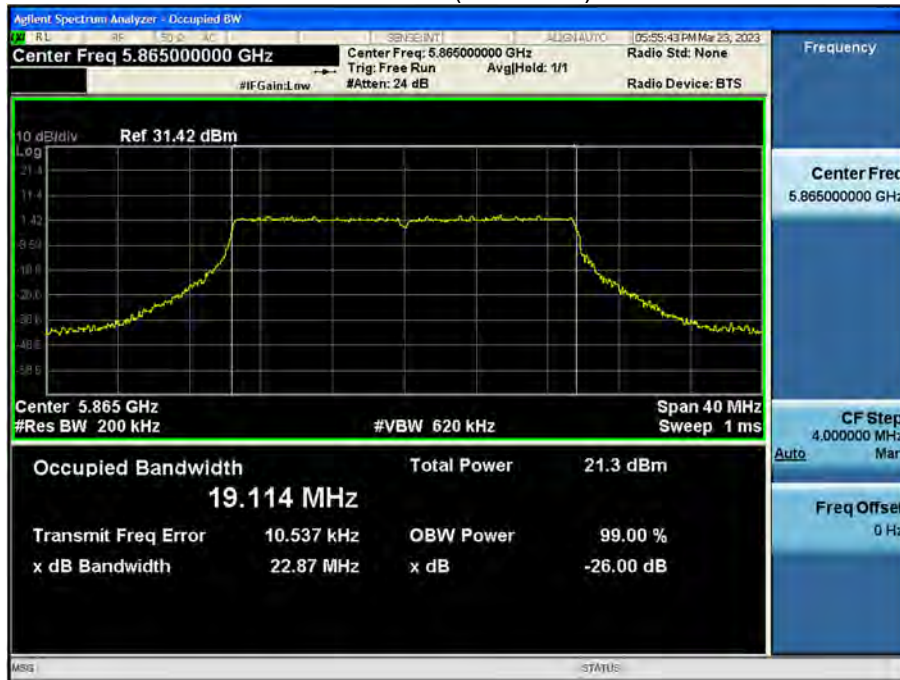
Bandwidth 20M Ch.165(5825 MHz) 242T RU 61



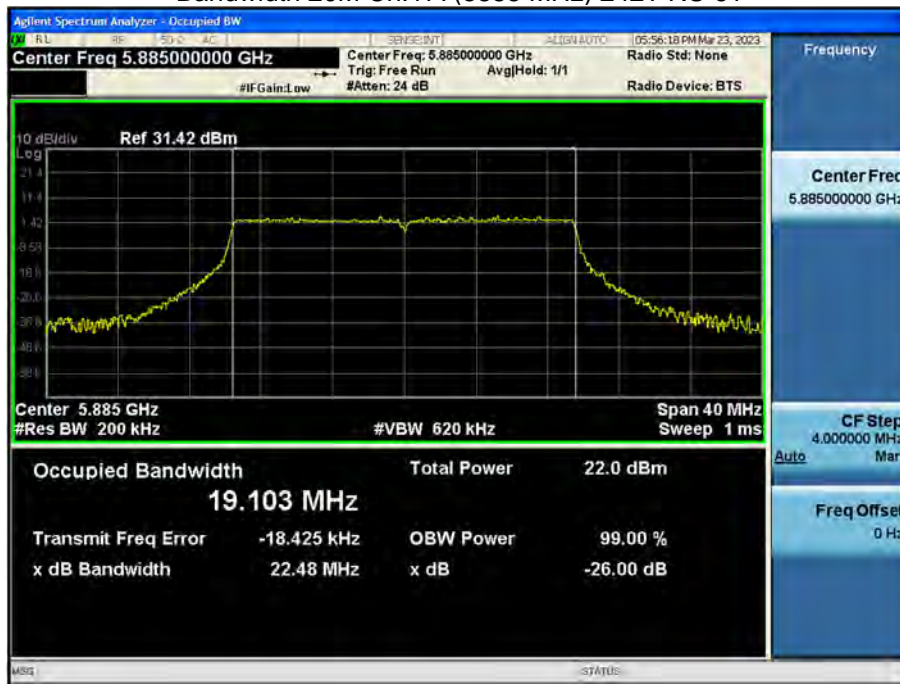
Bandwidth 20M Ch.169(5845 MHz) 242T RU 61



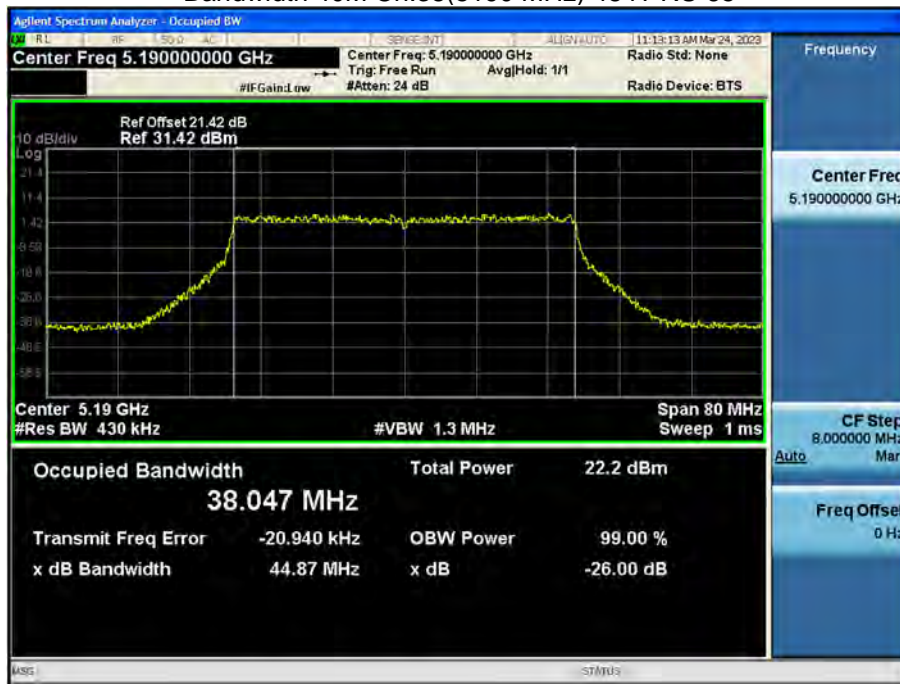
Bandwidth 20M Ch.173(5865 MHz) 242T RU 61



Bandwidth 20M Ch.177(5885 MHz) 242T RU 61



Bandwidth 40M Ch.38(5190 MHz) 484T RU 65



Bandwidth 40M Ch.46(5230 MHz) 484T RU 65



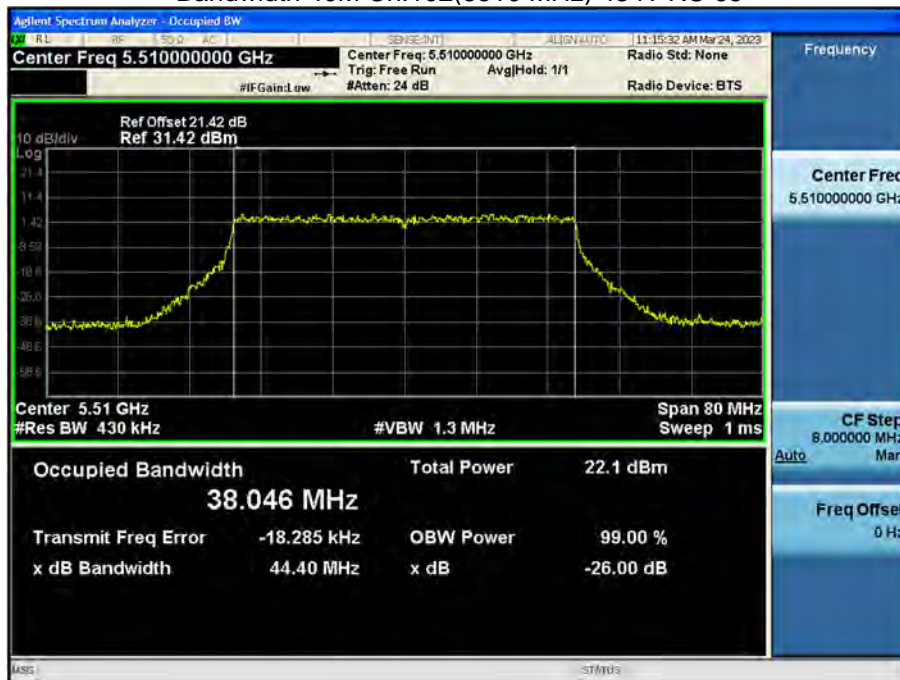
Bandwidth 40M Ch.54(5270 MHz) 484T RU 65



Bandwidth 40M Ch.62(5310 MHz) 484T RU 65

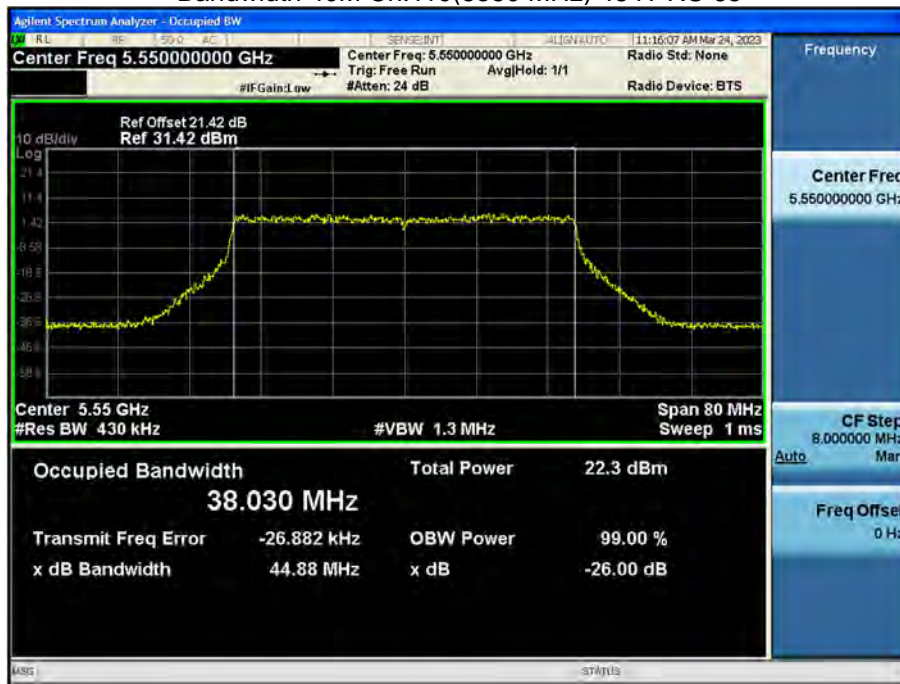


Bandwidth 40M Ch.102(5510 MHz) 484T RU 65

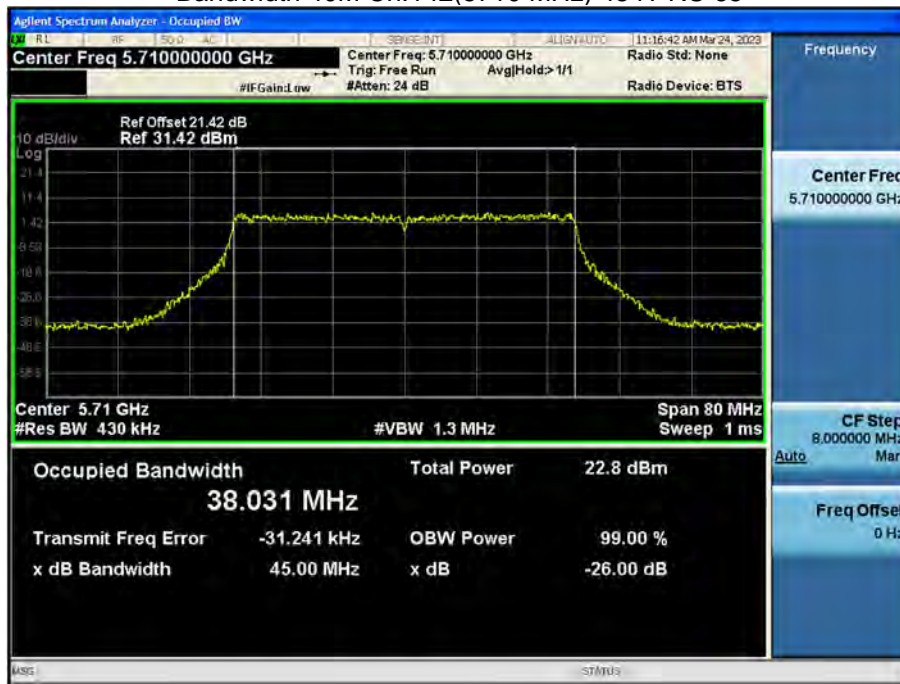




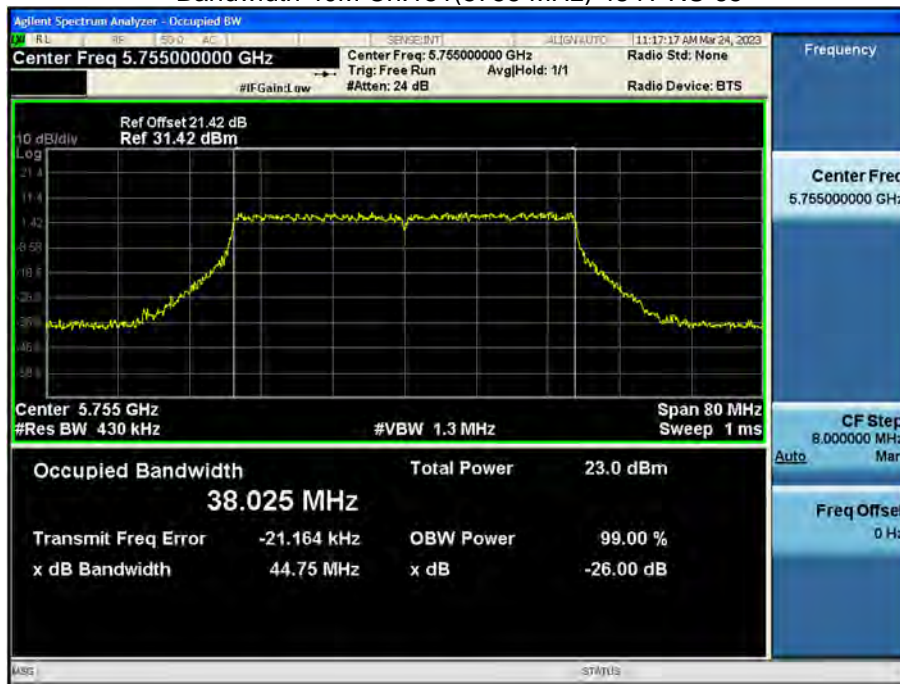
Bandwidth 40M Ch.110(5550 MHz) 484T RU 65



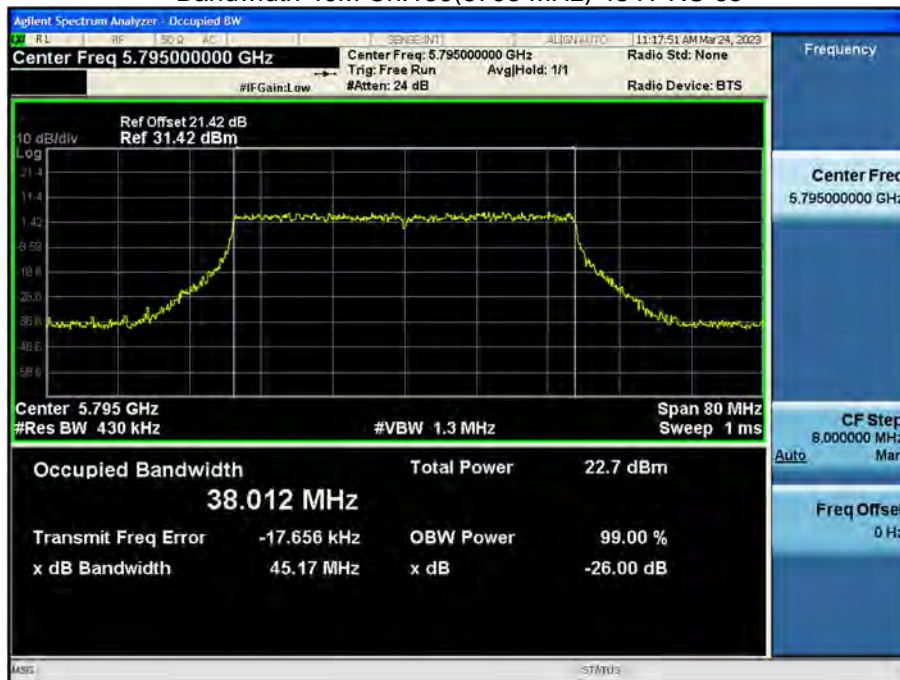
Bandwidth 40M Ch.142(5710 MHz) 484T RU 65



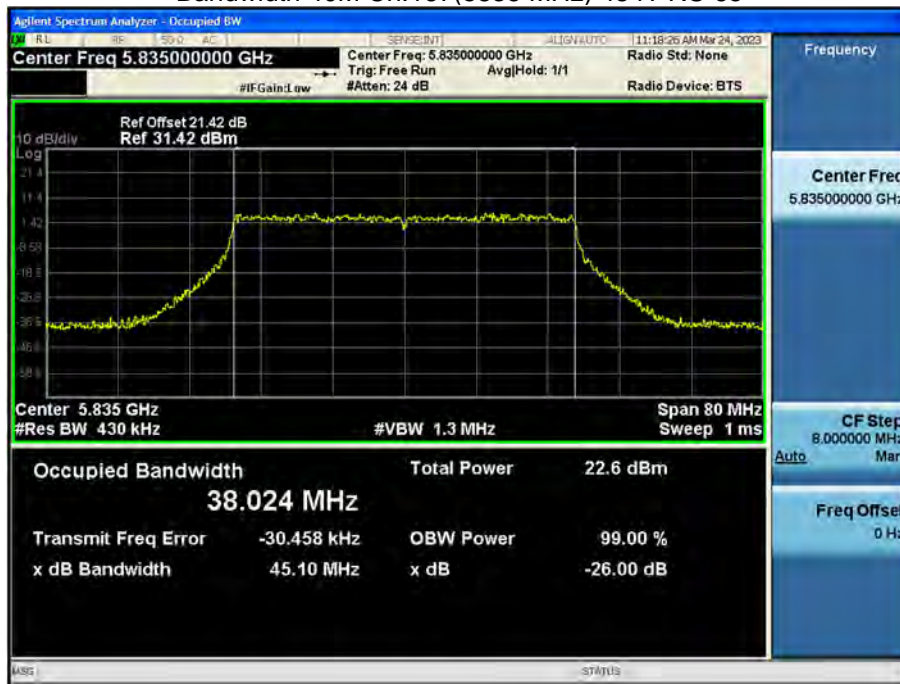
Bandwidth 40M Ch.151(5755 MHz) 484T RU 65



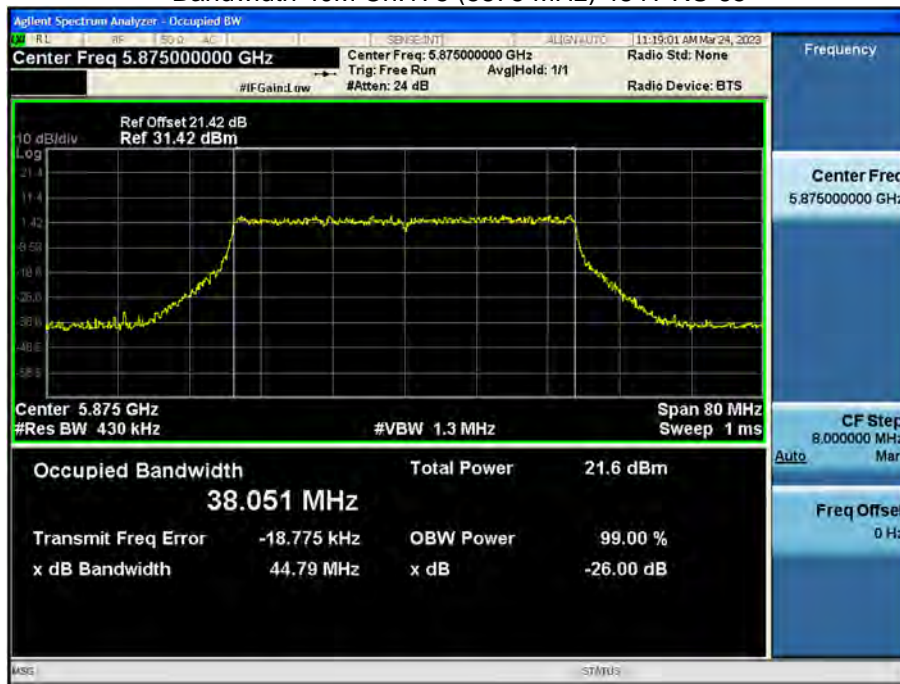
Bandwidth 40M Ch.159(5795 MHz) 484T RU 65



Bandwidth 40M Ch.167(5835 MHz) 484T RU 65



Bandwidth 40M Ch.175 (5875 MHz) 484T RU 65



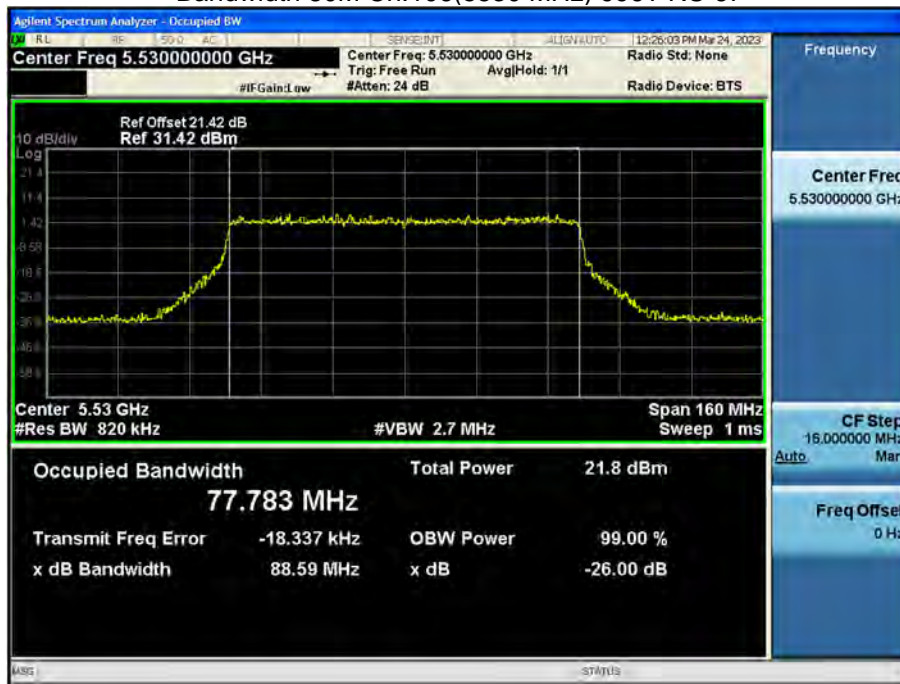
Bandwidth 80M Ch.42(5210 MHz) 996T RU 67



Bandwidth 80M Ch.58(5290 MHz) 996T RU 67



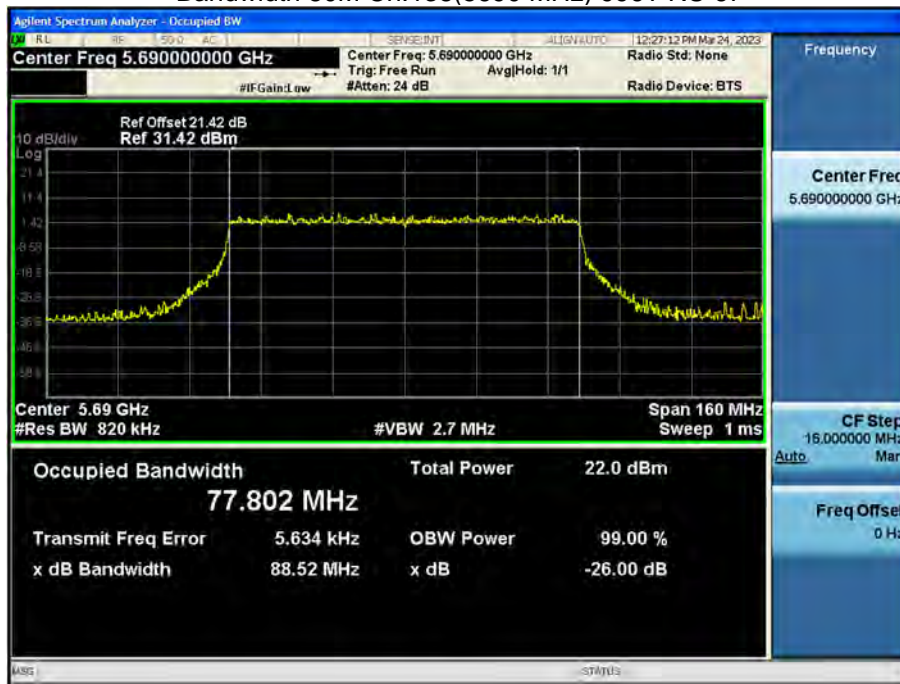
Bandwidth 80M Ch.106(5530 MHz) 996T RU 67



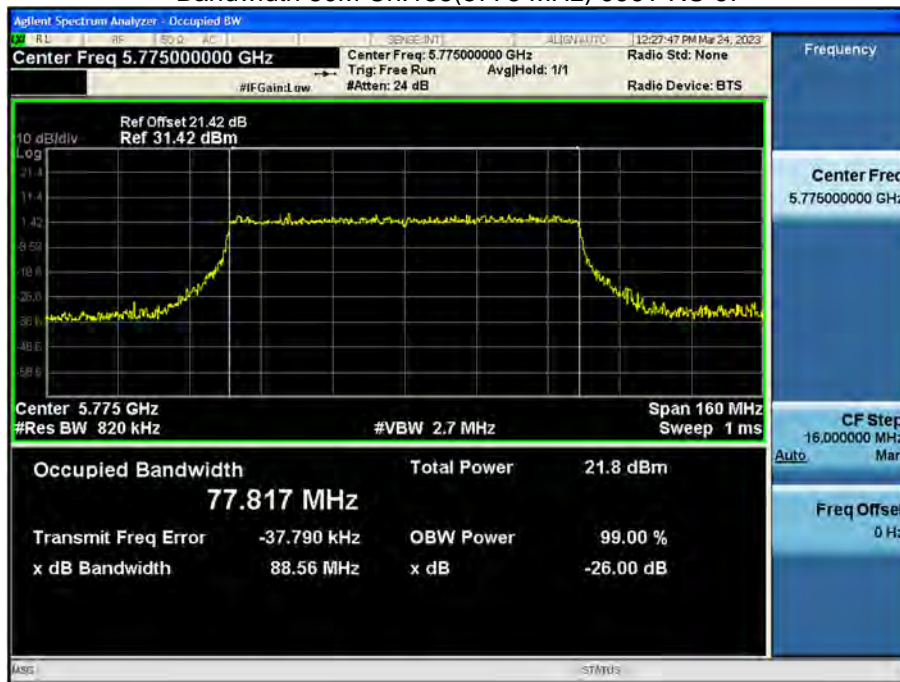
Bandwidth 80M Ch.122(5610 MHz) 996T RU 67



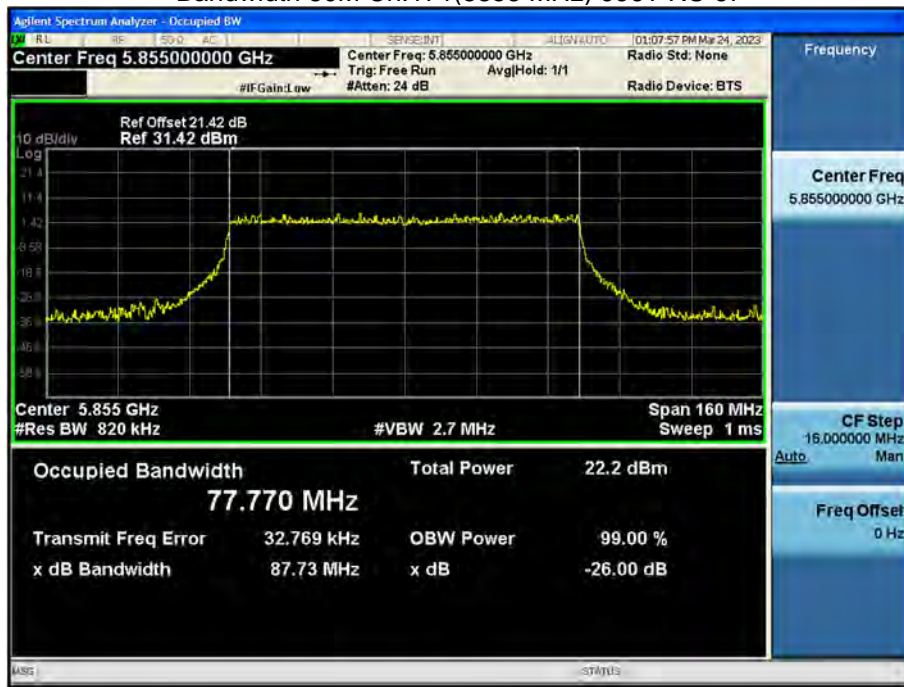
Bandwidth 80M Ch.138(5690 MHz) 996T RU 67



Bandwidth 80M Ch.155(5775 MHz) 996T RU 67

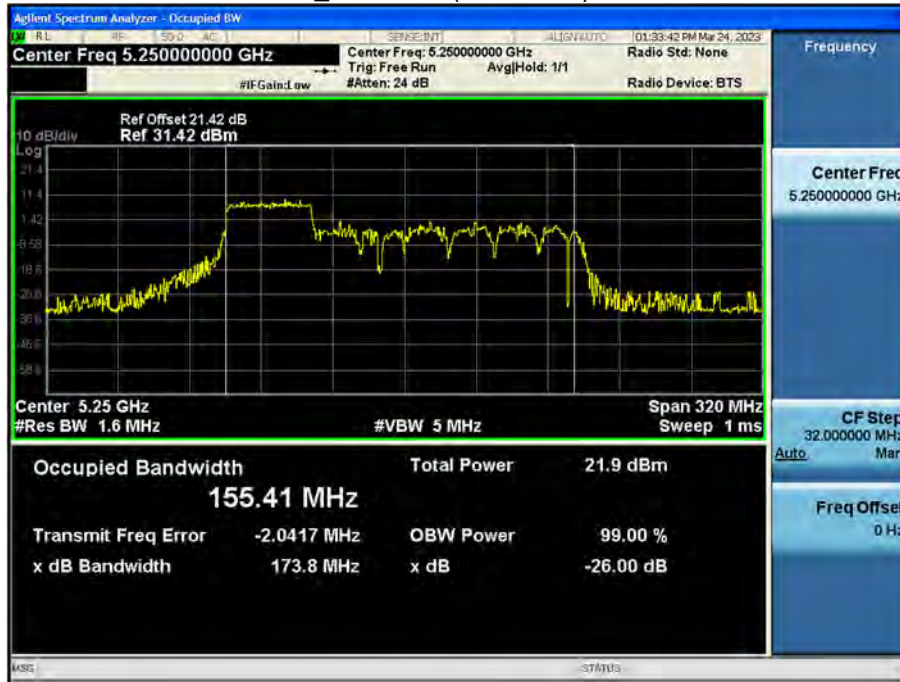


Bandwidth 80M Ch.171(5855 MHz) 996T RU 67

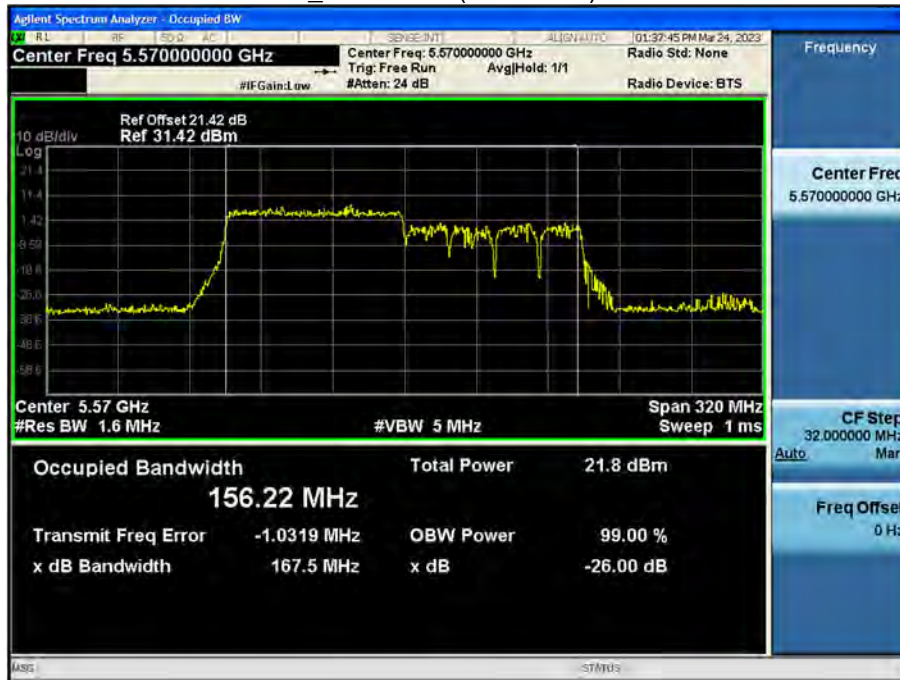


**Bandwidth 160M**

Bandwidth 160M\_80L Ch.50(5250 MHz) 484 Tones RU 65

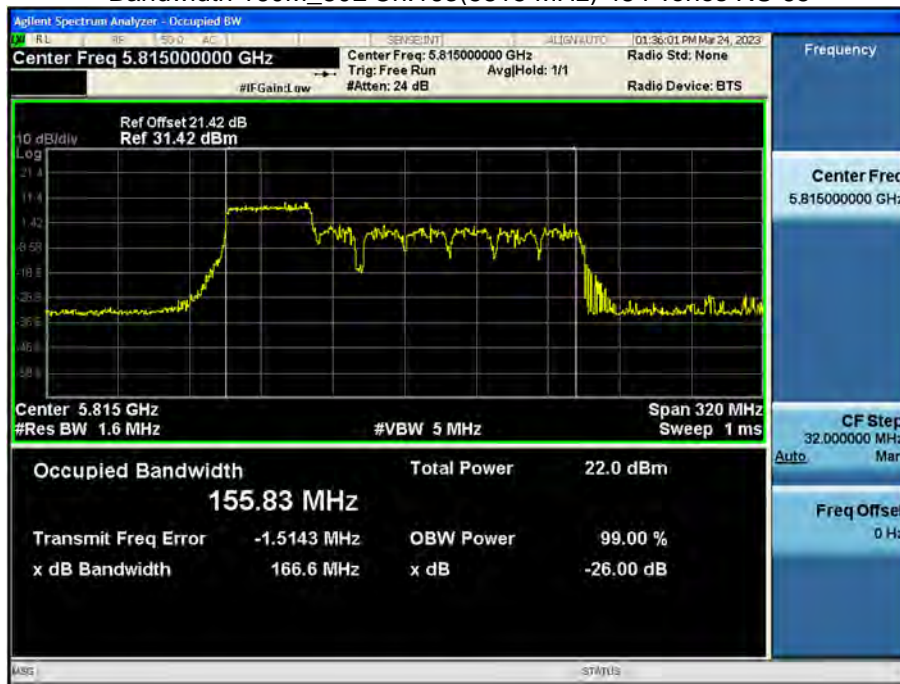


Bandwidth 160M\_80L Ch.114(5570 MHz) 996 Tones RU 67

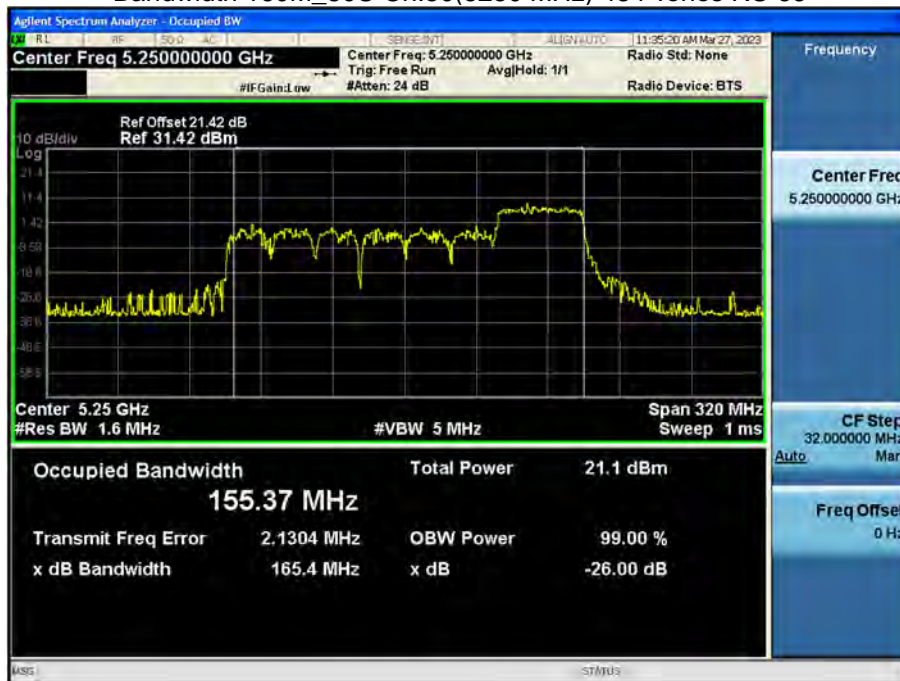




Bandwidth 160M\_80L Ch.163(5815 MHz) 484 Tones RU 65



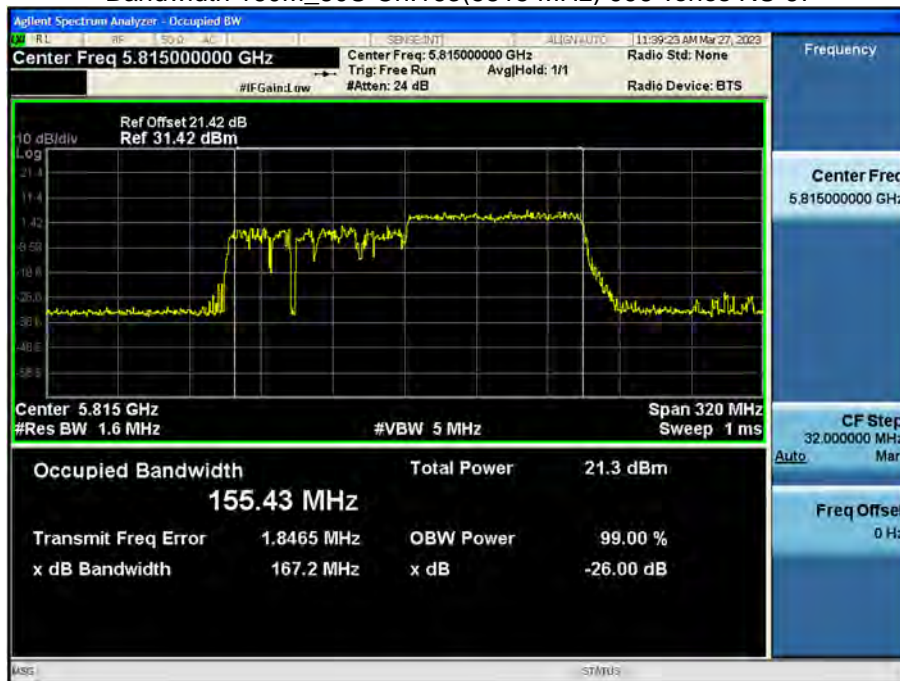
Bandwidth 160M\_80U Ch.50(5250 MHz) 484 Tones RU 66



Bandwidth 16 160M\_80U Ch.114(5570 MHz) 996 Tones RU 67



Bandwidth 160M\_80U Ch.163(5815 MHz) 996 Tones RU 67



Bandwidth 160M\_SU Ch.50(5250 MHz) 996\*2 Tones RU 68



Bandwidth 160M\_SU Ch.114(5570 MHz) 996\*2 Tones RU 68



Bandwidth 160M\_SU Ch.163(5815 MHz) 996\*2 Tones RU 68



### 3. 6dB Bandwidth

**Note:**

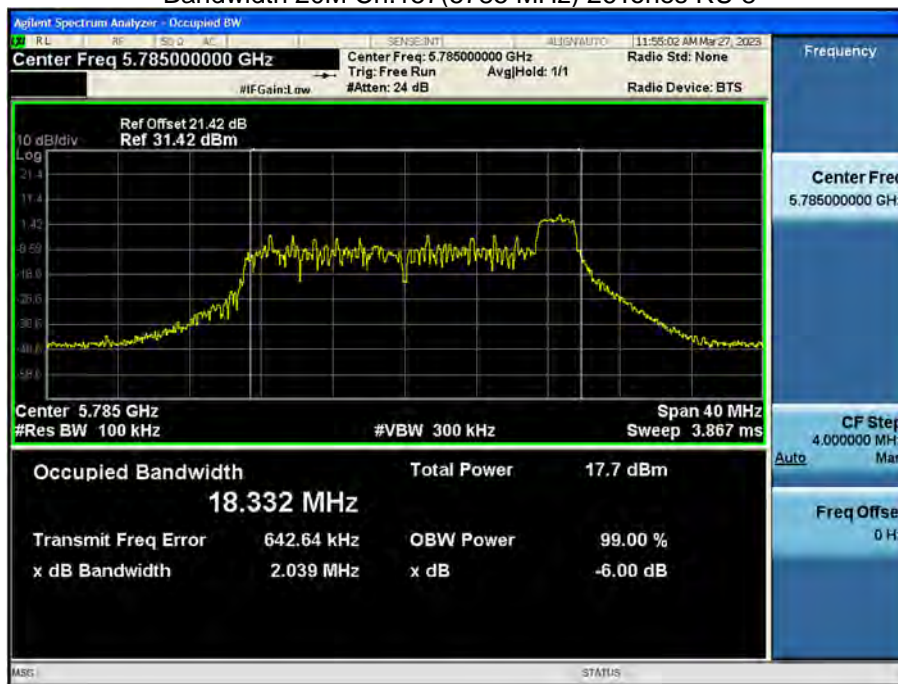
1. In order to simplify the report, attached plots were only the narrowest channel.

#### 3.1 MIMO Ant1

Bandwidth 20M Ch.149(5745 MHz) 26Tones RU 8



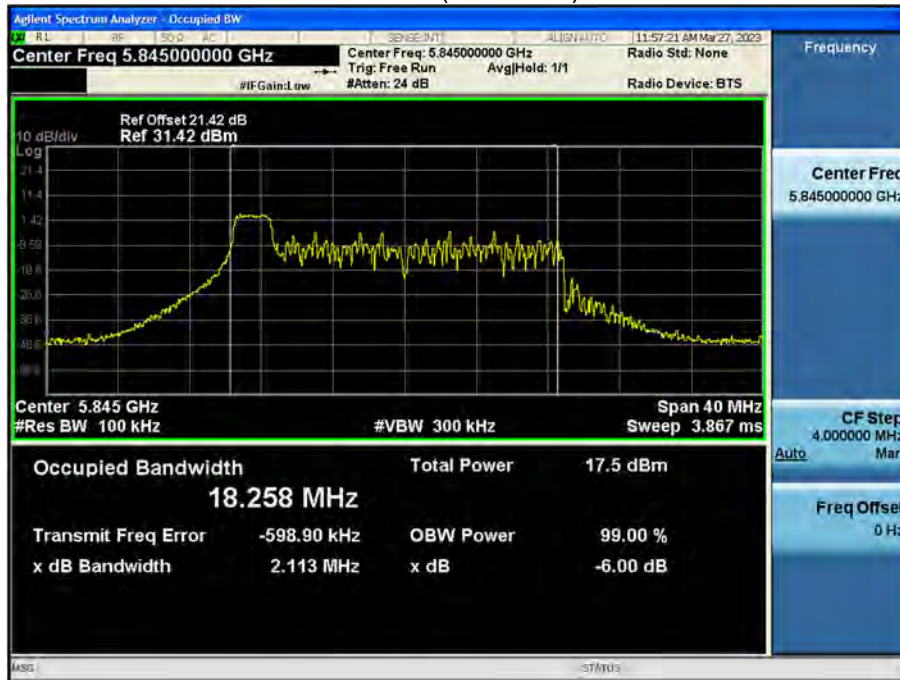
Bandwidth 20M Ch.157(5785 MHz) 26Tones RU 8



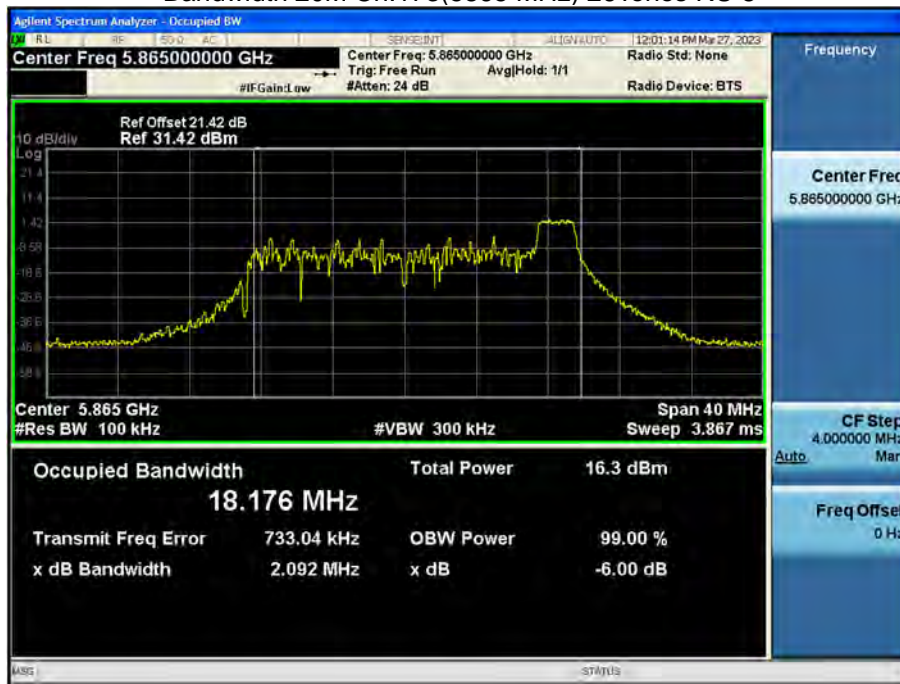
Bandwidth 20M Ch.165(5825 MHz) 26Tones RU 8



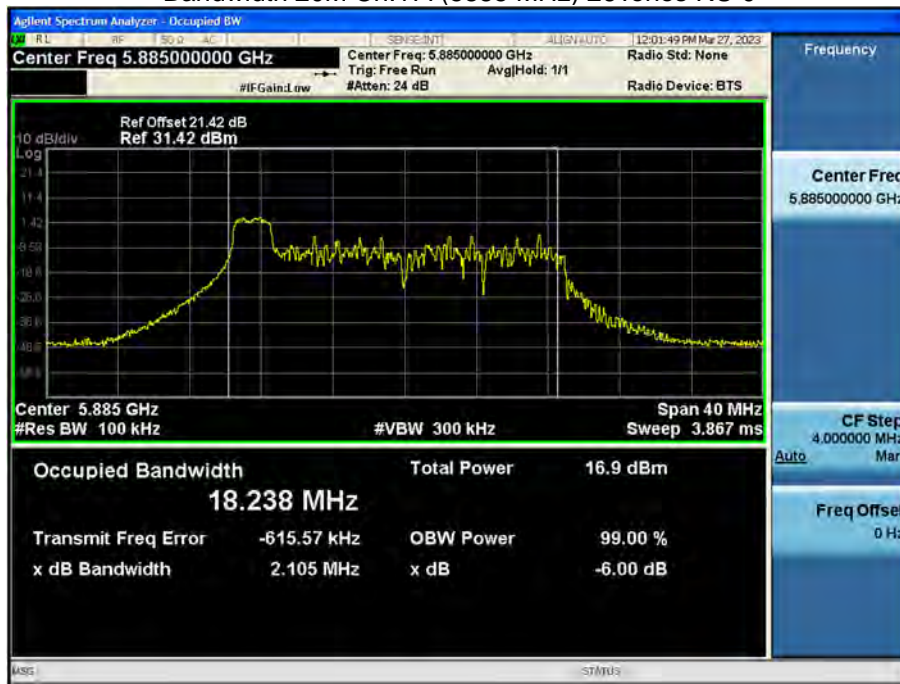
Bandwidth 20M Ch.169(5845 MHz) 26Tones RU 0



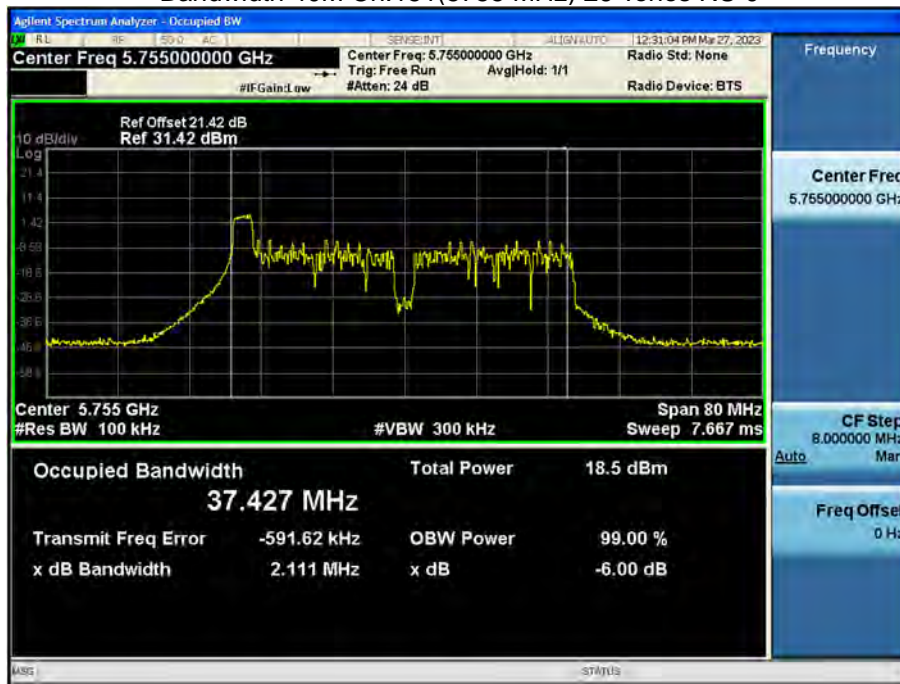
Bandwidth 20M Ch.173(5865 MHz) 26Tones RU 8



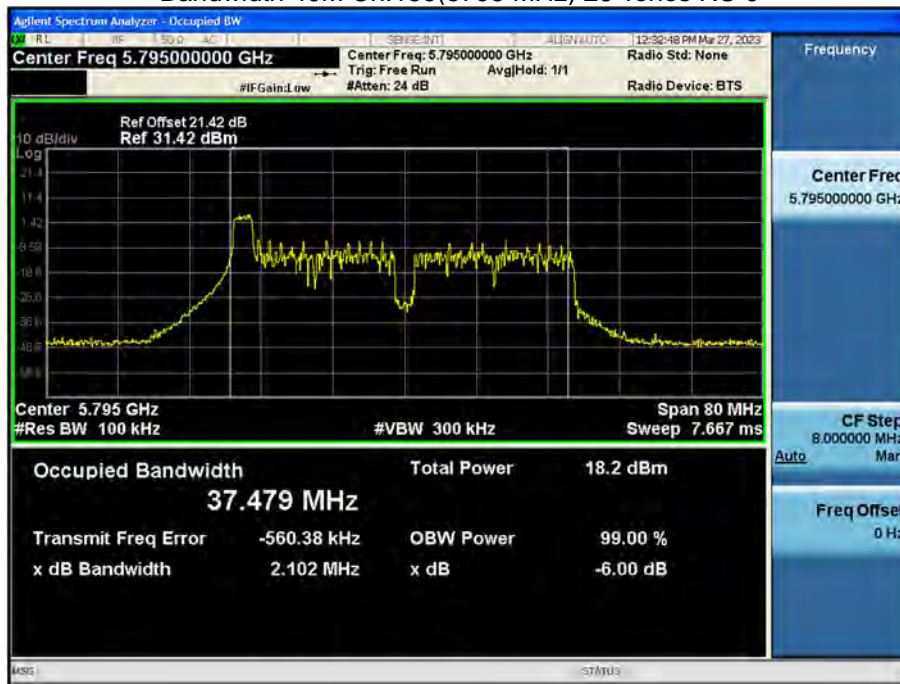
Bandwidth 20M Ch.177(5885 MHz) 26Tones RU 0



Bandwidth 40M Ch.151(5755 MHz) 26 Tones RU 0

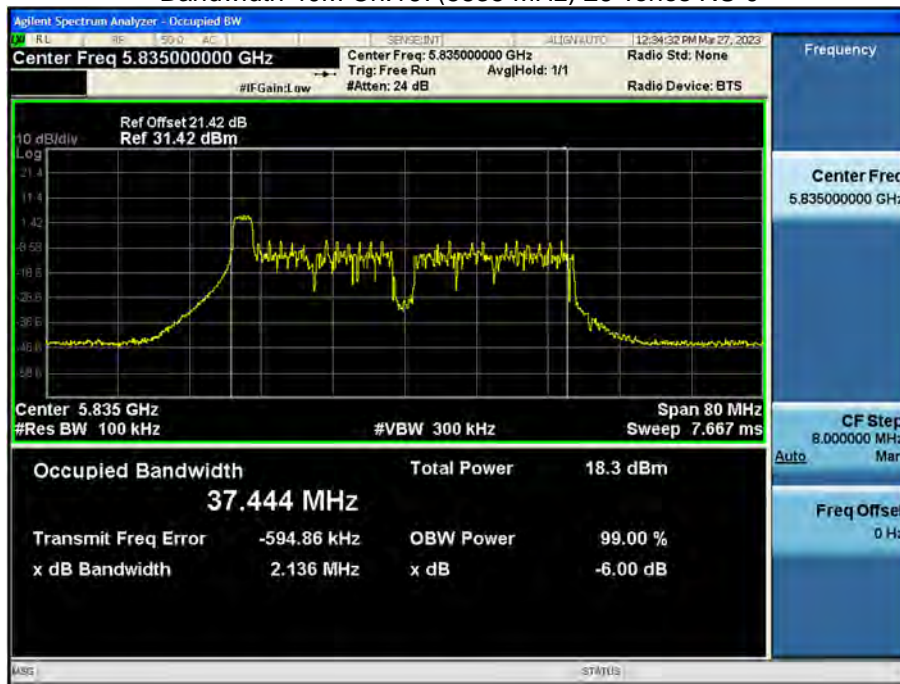


Bandwidth 40M Ch.159(5795 MHz) 26 Tones RU 0

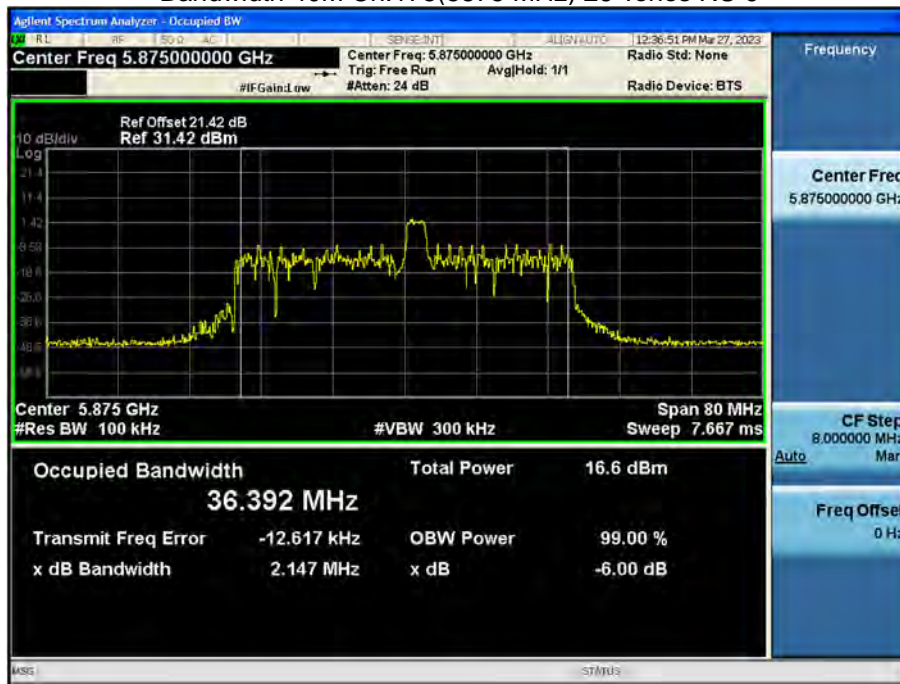




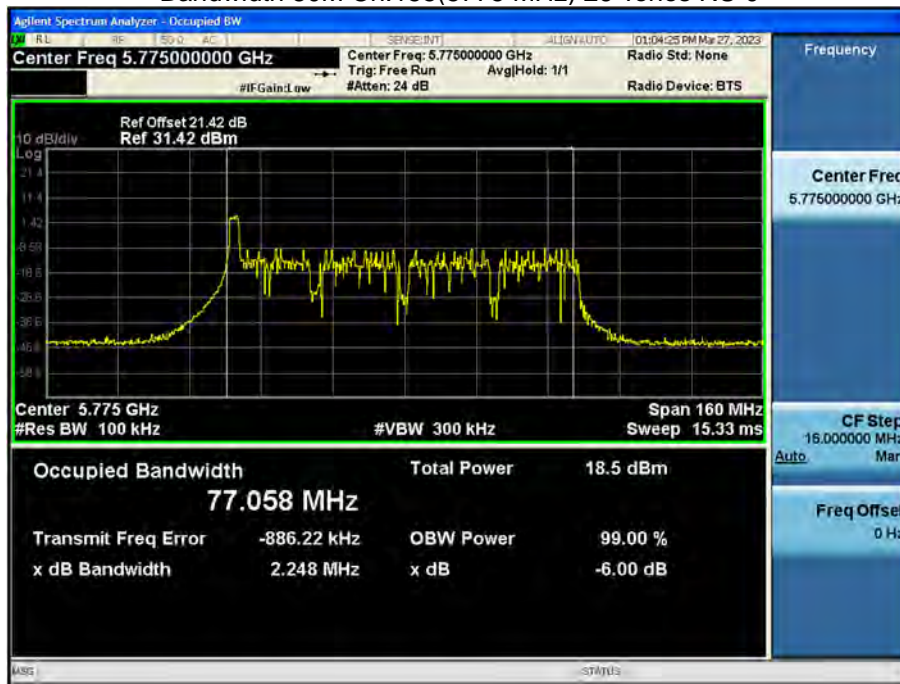
Bandwidth 40M Ch.167(5835 MHz) 26 Tones RU 0



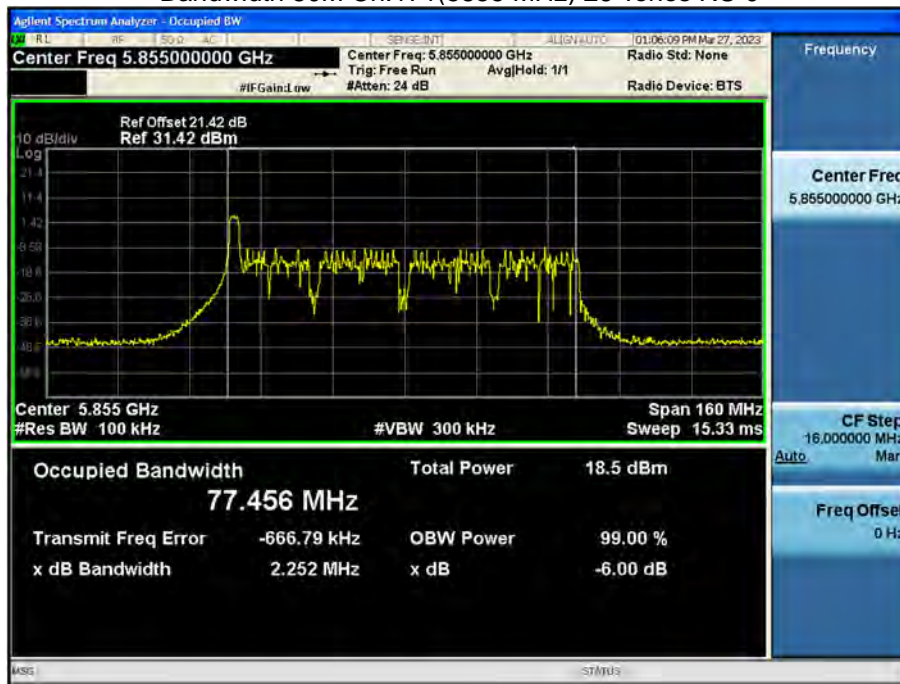
Bandwidth 40M Ch.175(5875 MHz) 26 Tones RU 9



Bandwidth 80M Ch.155(5775 MHz) 26 Tones RU 0

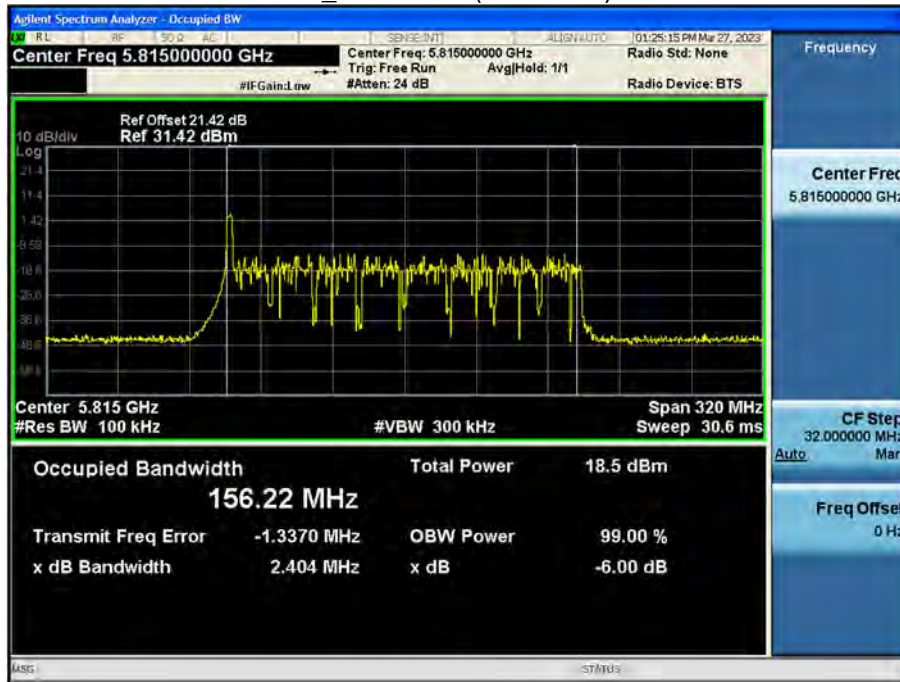


Bandwidth 80M Ch.171(5855 MHz) 26 Tones RU 0

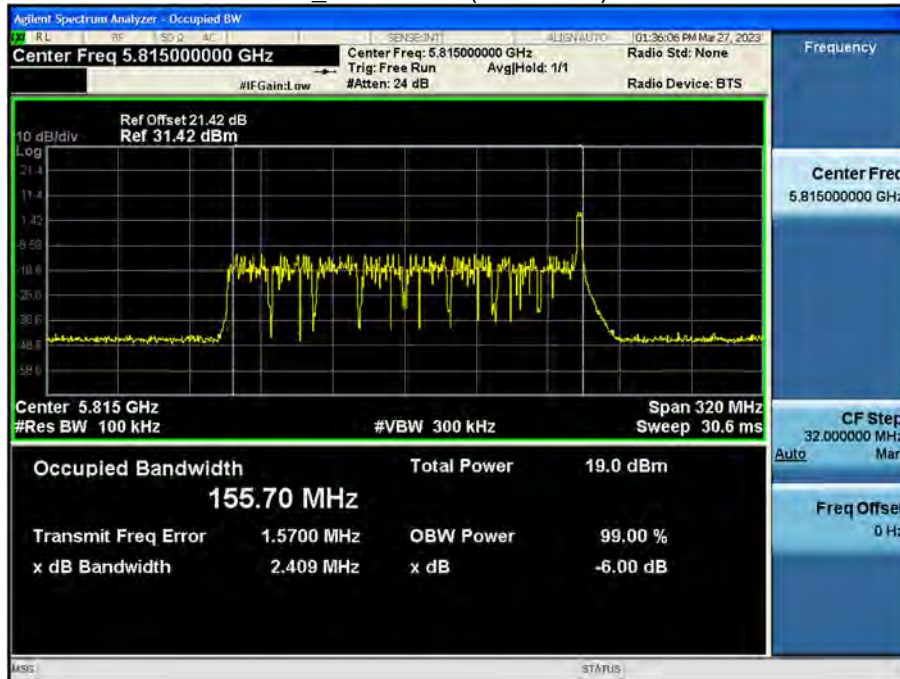


**Bandwidth 160M**

Bandwidth 160M\_80L Ch.163(5815 MHz) 26 Tones RU 0



Bandwidth 160M\_80U Ch.163(5815 MHz) 26 Tones RU 36

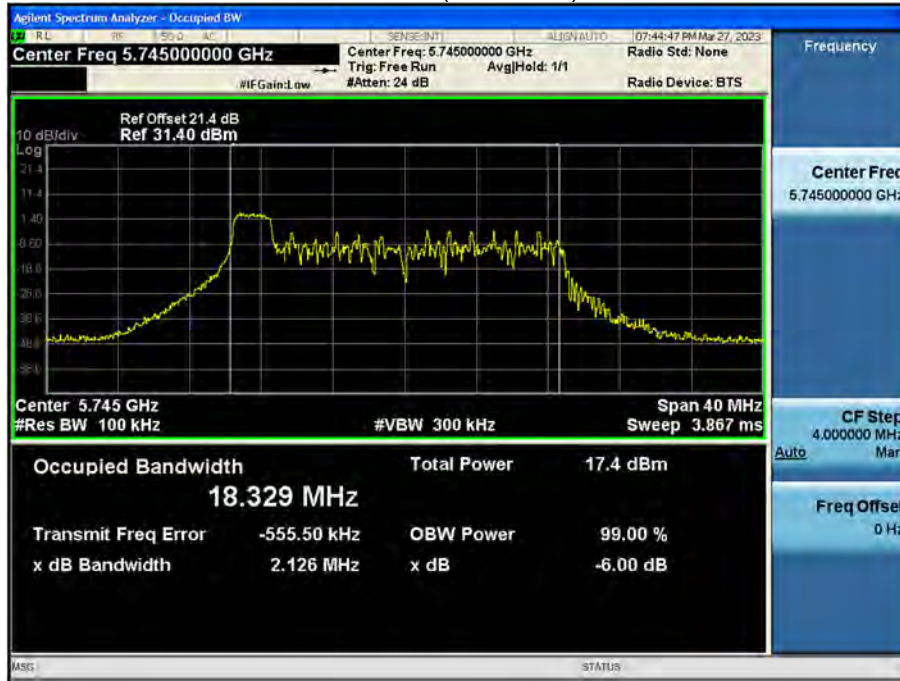


Bandwidth 160M\_SU Ch.163(5815 MHz) 996 \* 2 Tones RU 68

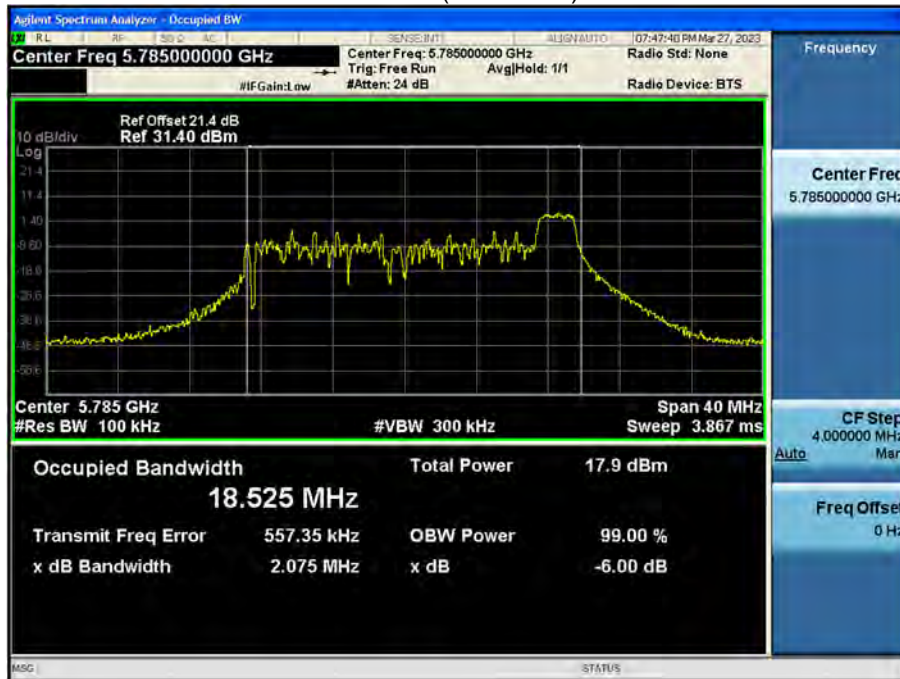


### 3.2 MIMO Ant2

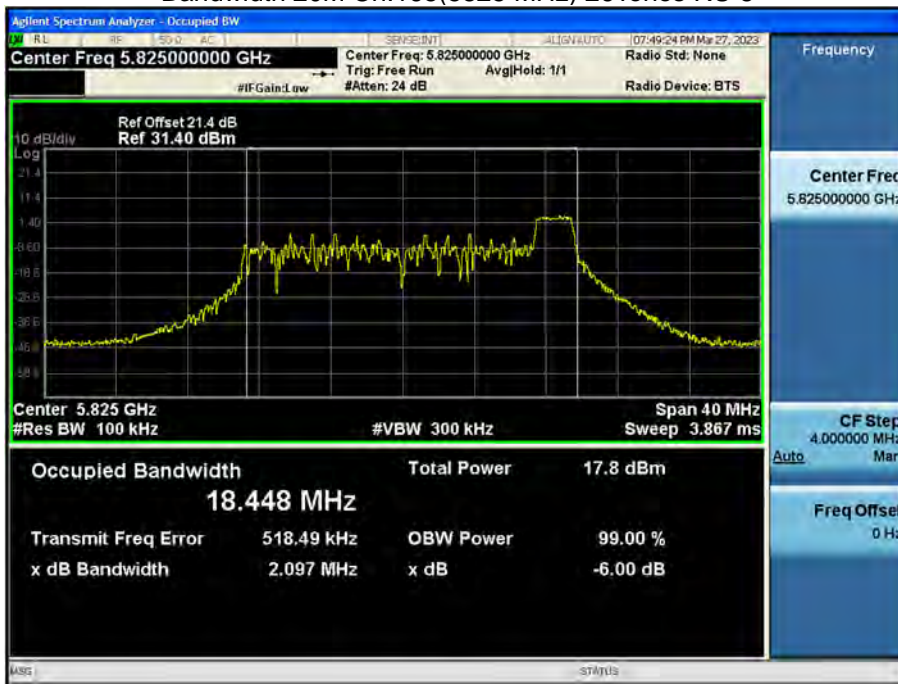
Bandwidth 20M Ch.149(5745 MHz) 26Tones RU 0



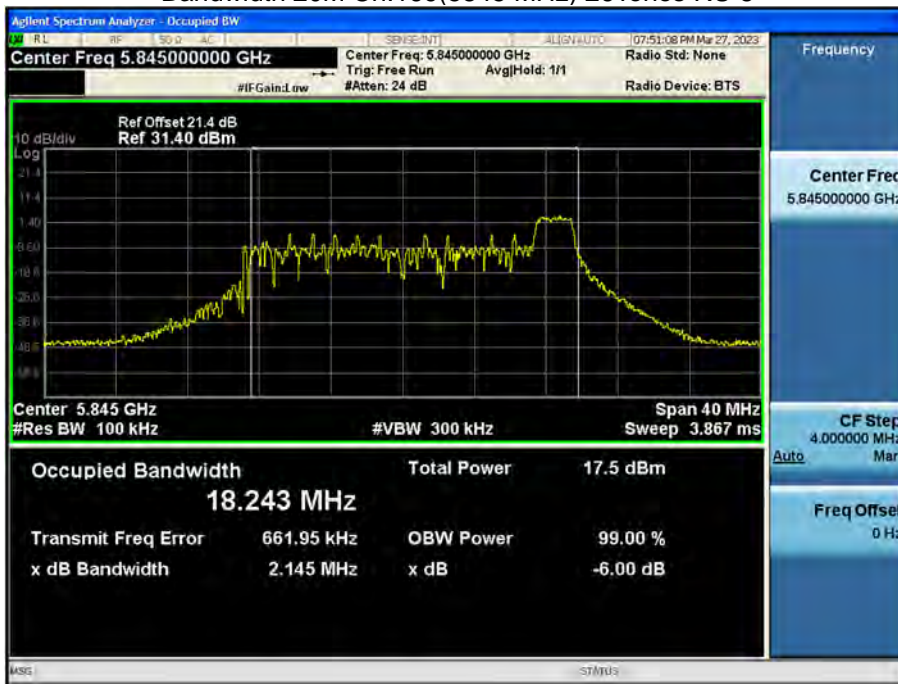
Bandwidth 20M Ch.157(5785 MHz) 26Tones RU 8



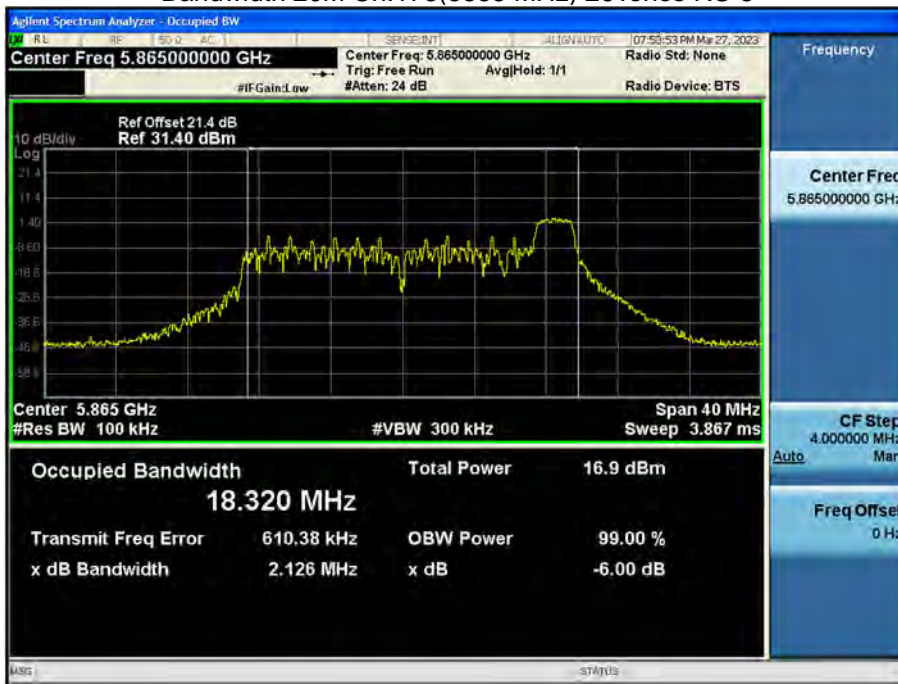
Bandwidth 20M Ch.165(5825 MHz) 26Tones RU 8



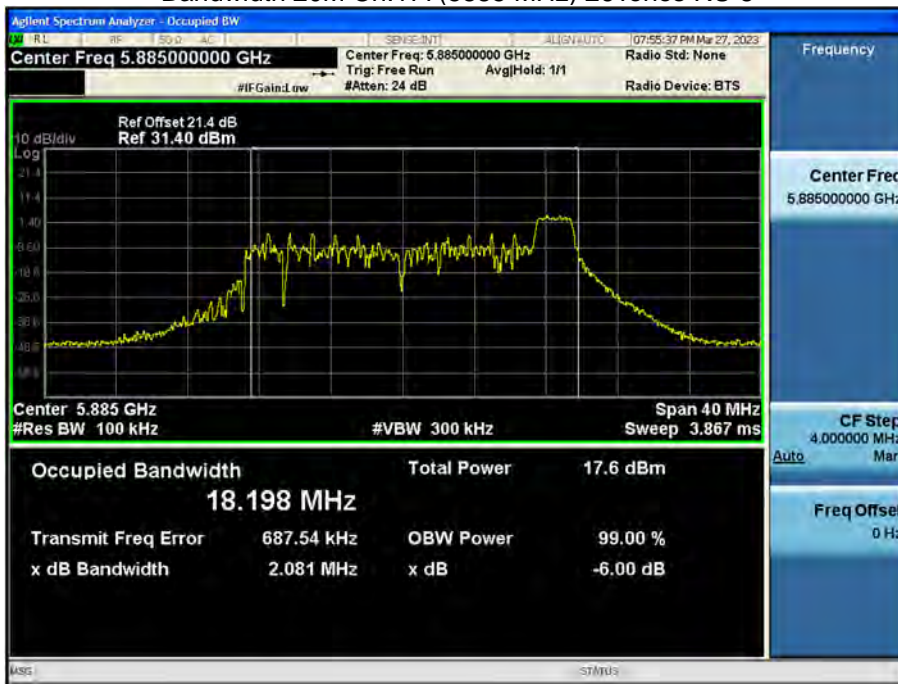
Bandwidth 20M Ch.169(5845 MHz) 26Tones RU 8



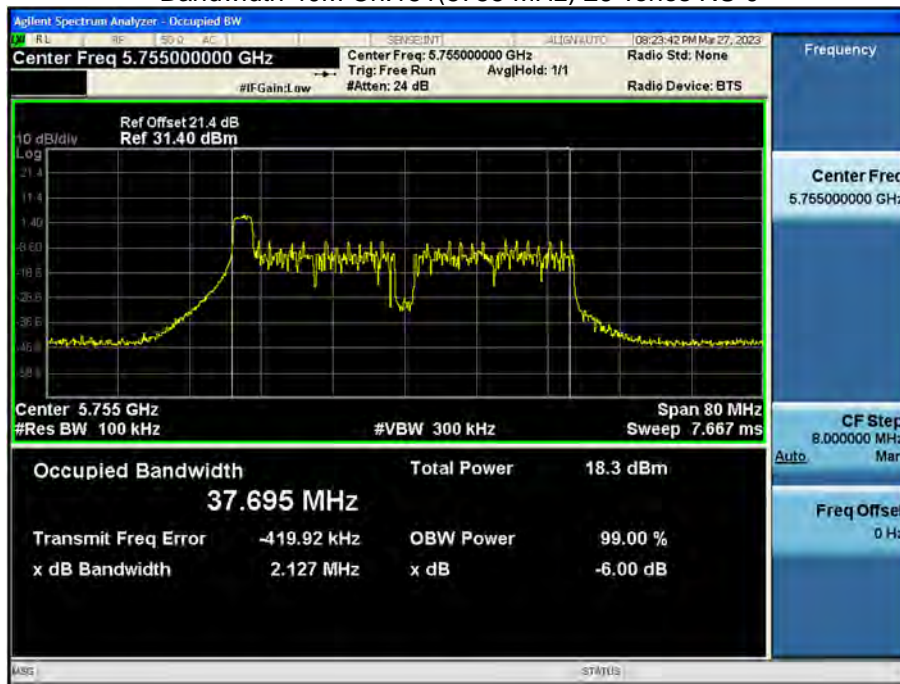
Bandwidth 20M Ch.173(5865 MHz) 26Tones RU 8



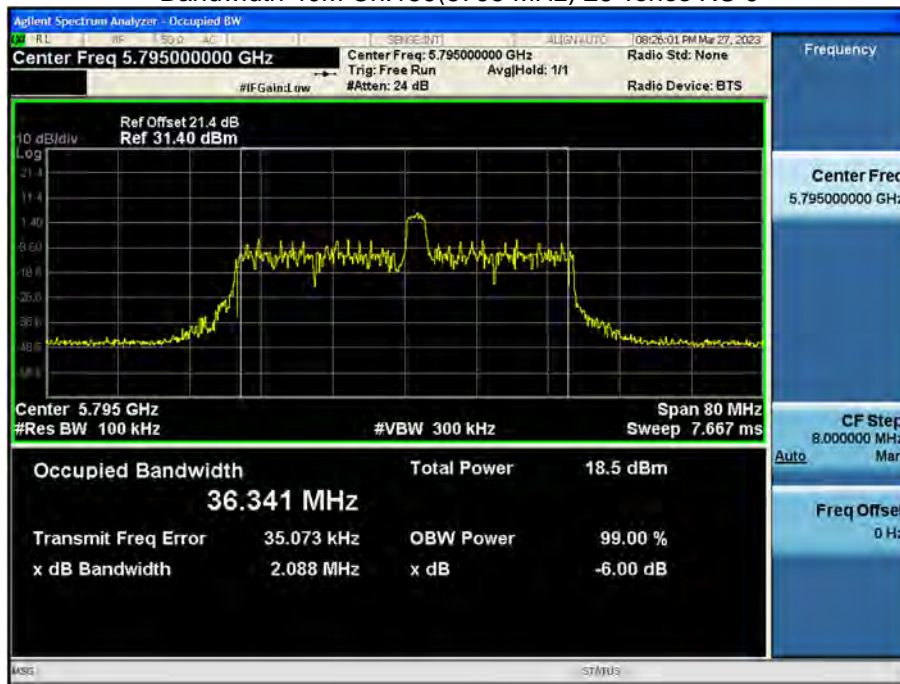
Bandwidth 20M Ch.177(5885 MHz) 26Tones RU 8



Bandwidth 40M Ch.151(5755 MHz) 26 Tones RU 0

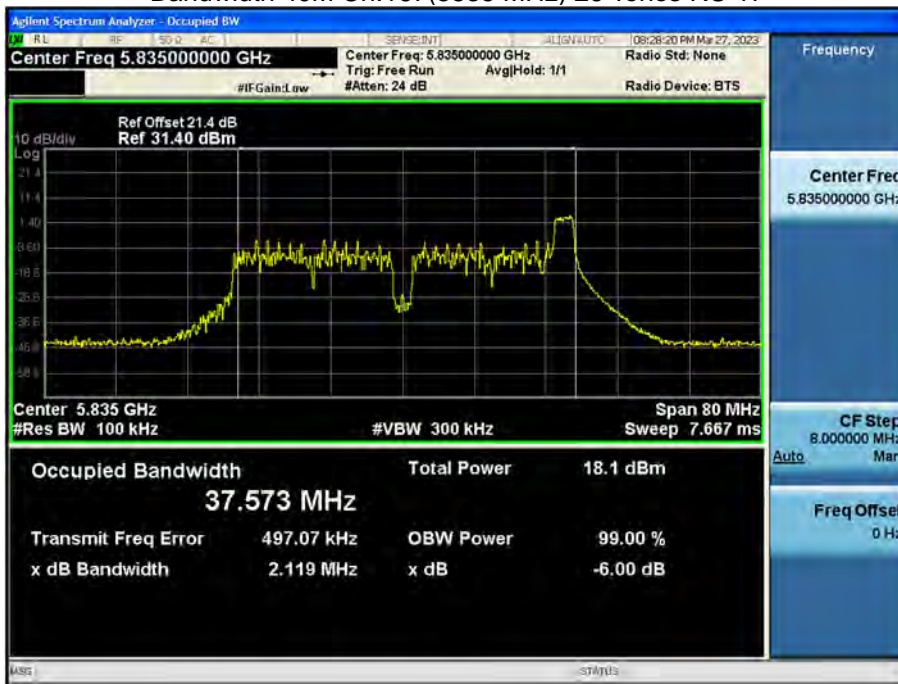


Bandwidth 40M Ch.159(5795 MHz) 26 Tones RU 9

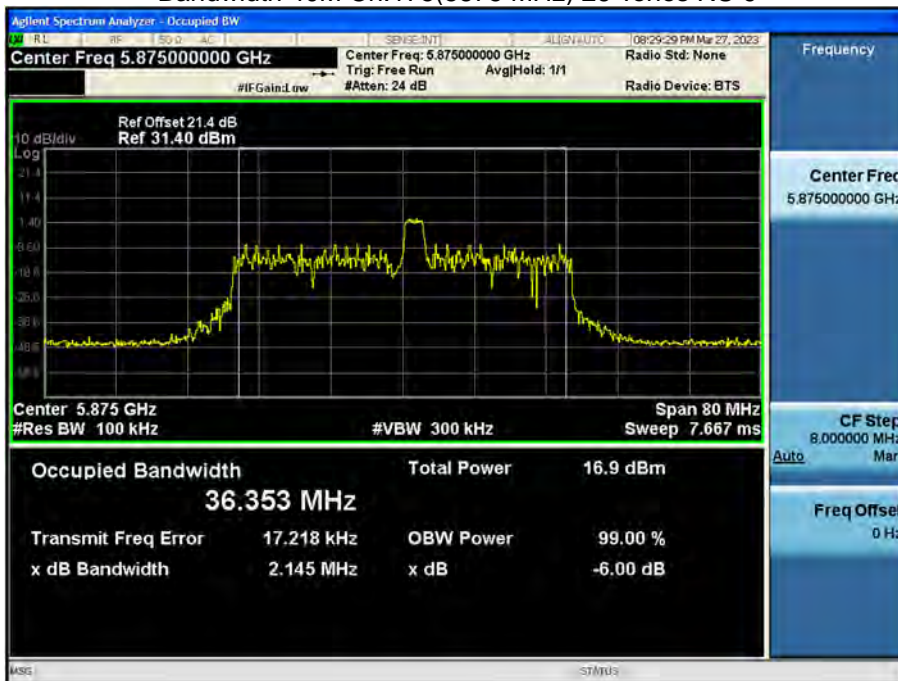




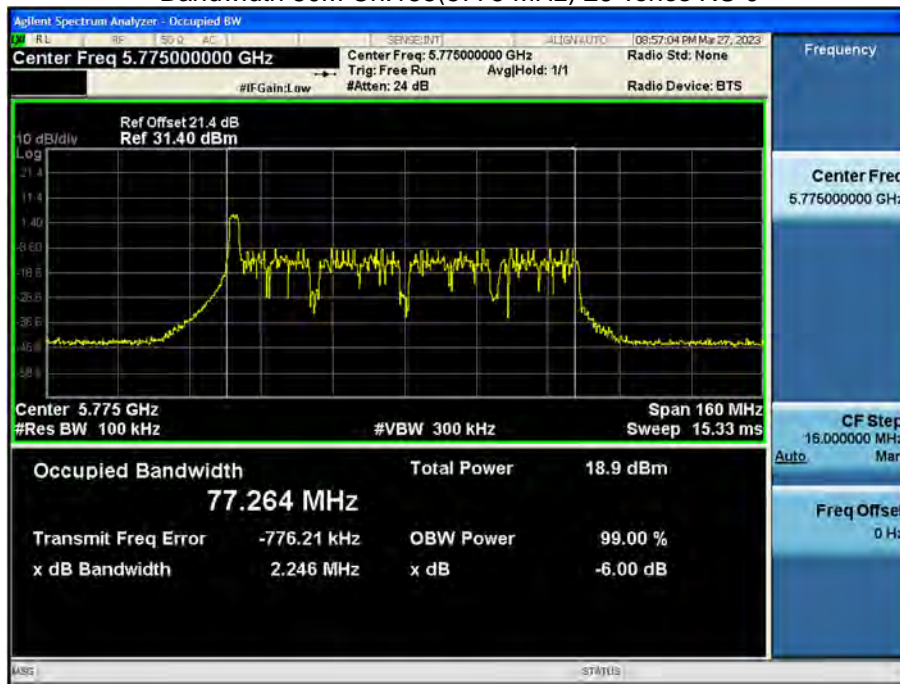
Bandwidth 40M Ch.167(5835 MHz) 26 Tones RU 17



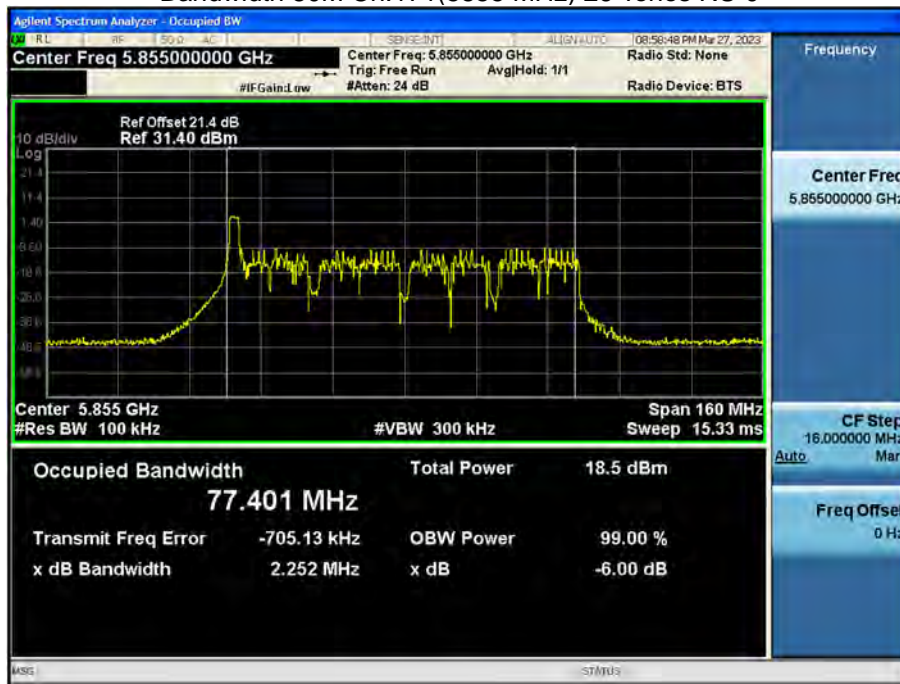
Bandwidth 40M Ch.175(5875 MHz) 26 Tones RU 9



Bandwidth 80M Ch.155(5775 MHz) 26 Tones RU 0

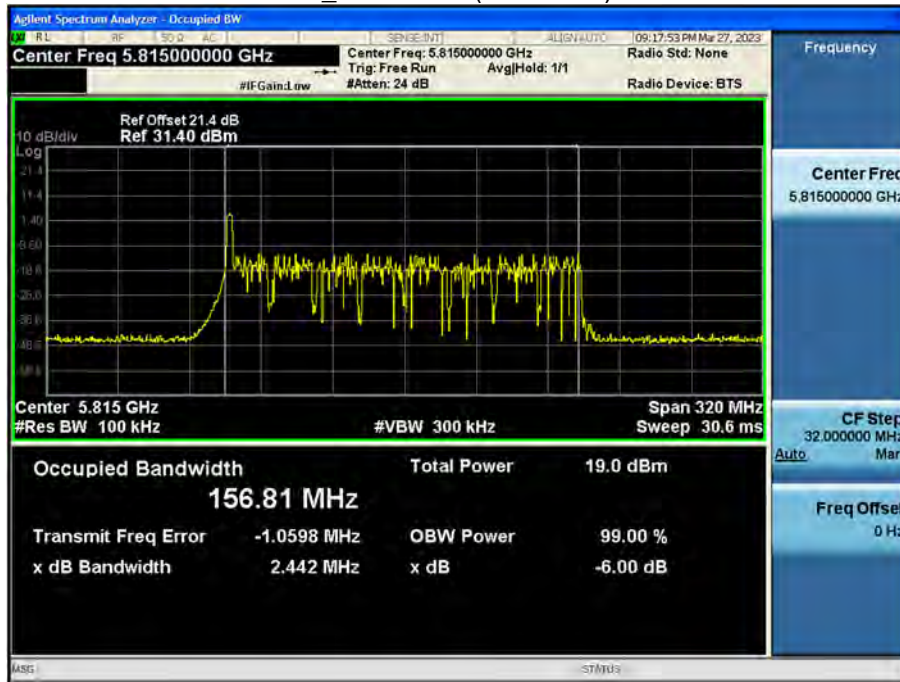


Bandwidth 80M Ch.171(5855 MHz) 26 Tones RU 0

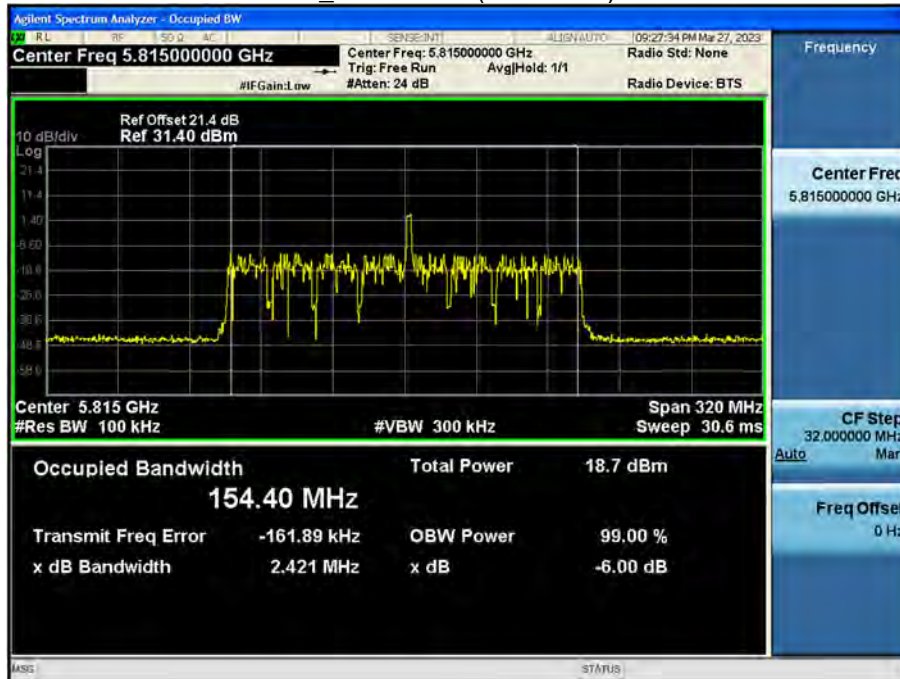


**Bandwidth 160M**

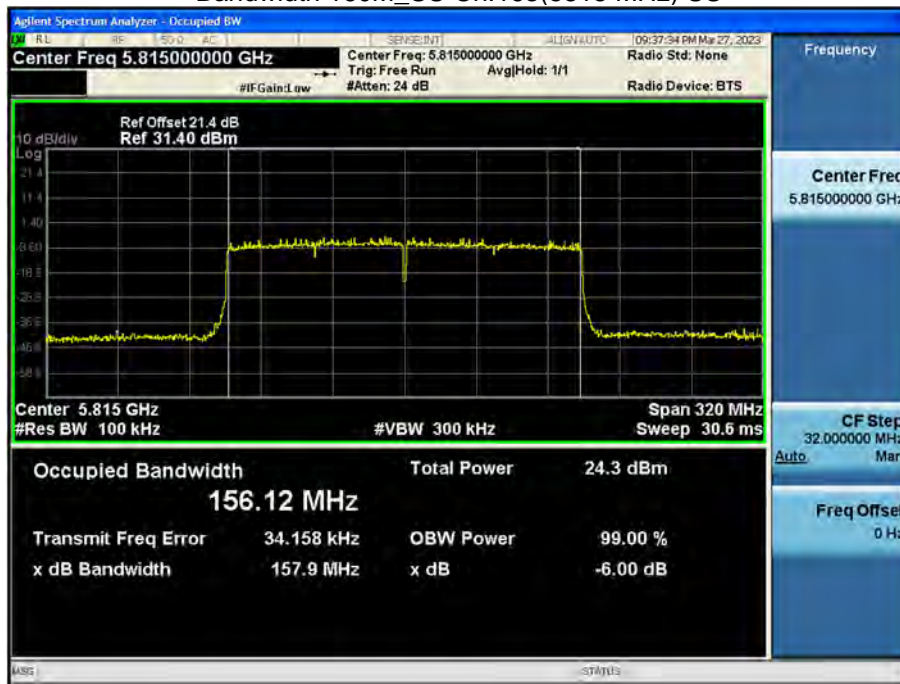
Bandwidth 160M\_80L Ch.163(5815 MHz) 26 Tones RU 0



Bandwidth 160M\_80U Ch.163(5815 MHz) 26 Tones RU 0



Bandwidth 160M\_SU Ch.163(5815 MHz) SU

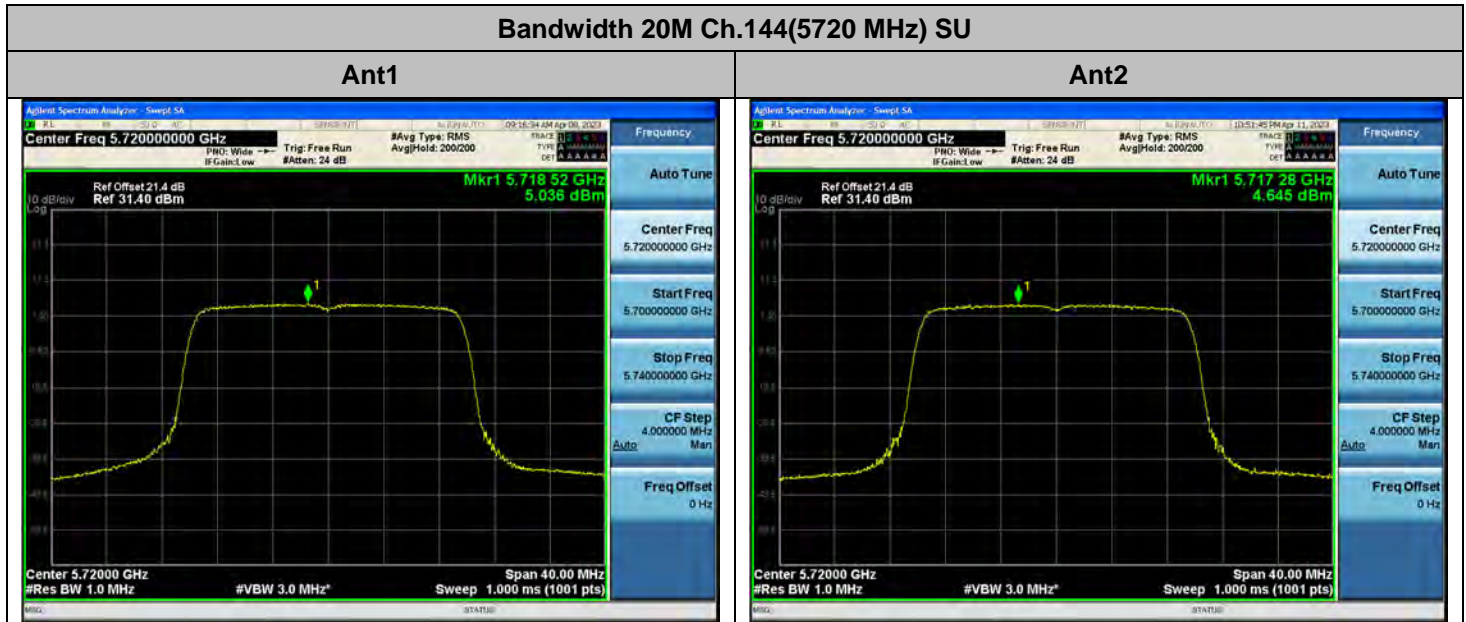


### 4. Power Spectral Density

**Note:**

1. In order to simplify the report, attached plots were only channel of the highest PSD.

#### 4.1 SUM (MIMO Ant 1 + MIMO Ant 2)

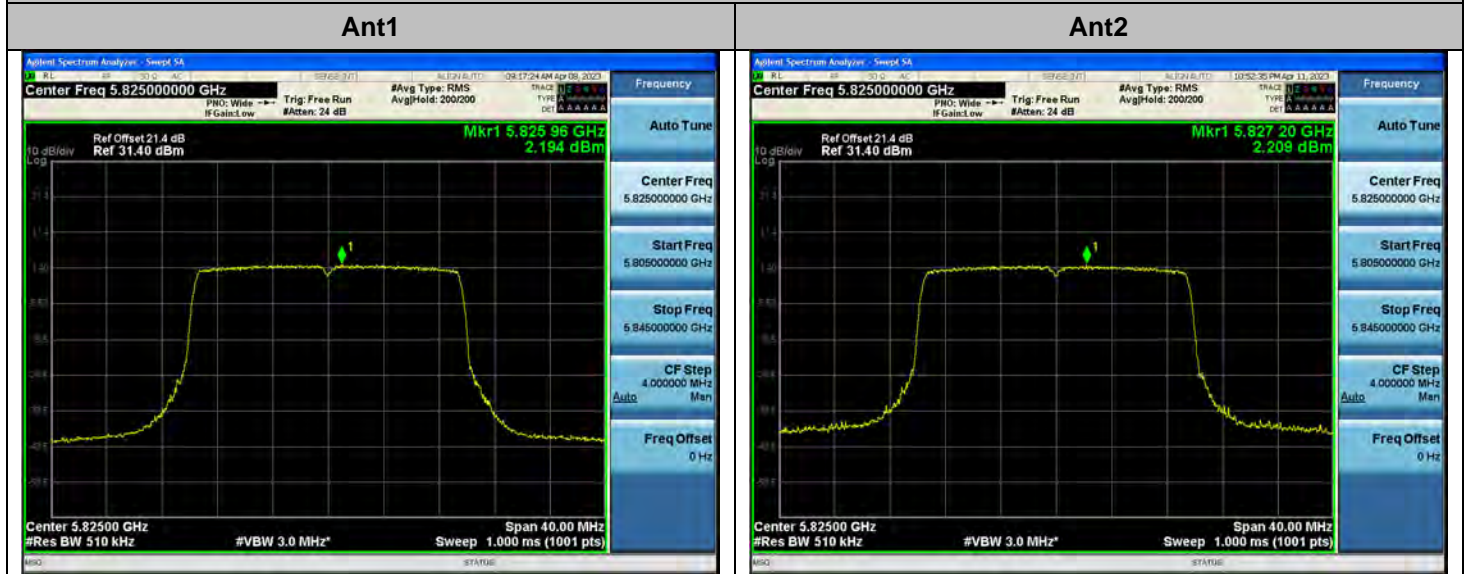


SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
7.855	0.000	7.855

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

**Bandwidth 20M Ch.165 (5825 MHz) SU**

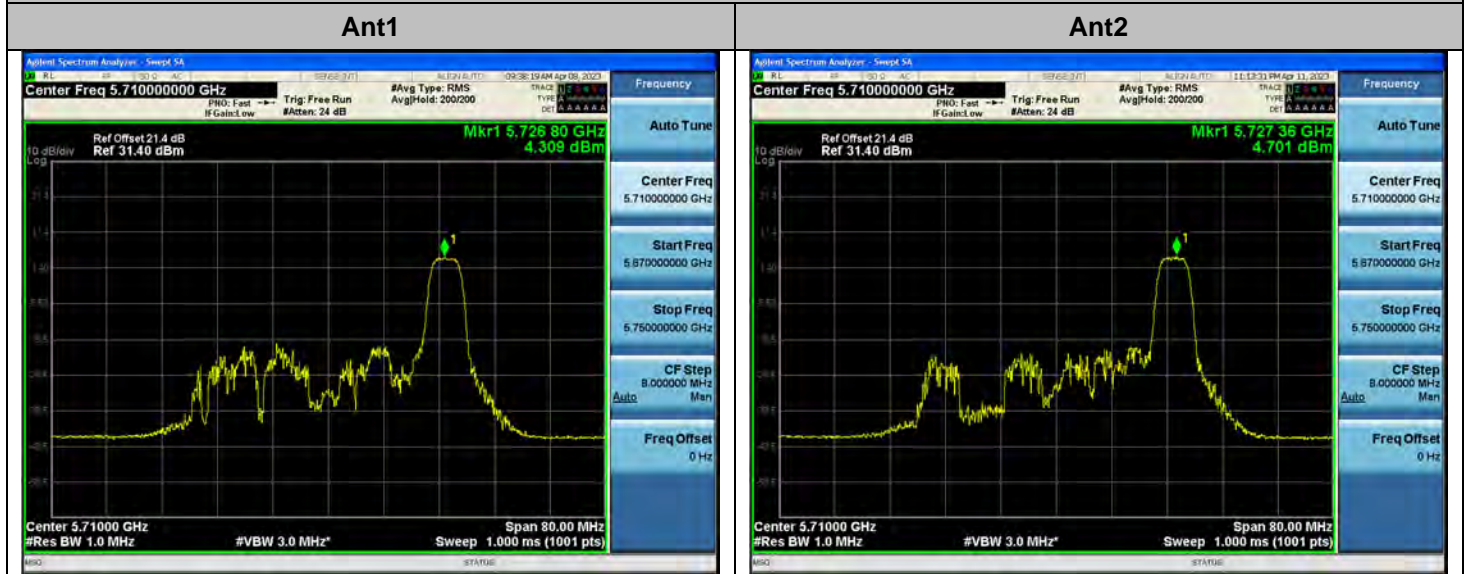


SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
5.212	0.000	5.212

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

**Bandwidth 40M Ch.142 (5710MHz) 52 Tone RU 44**

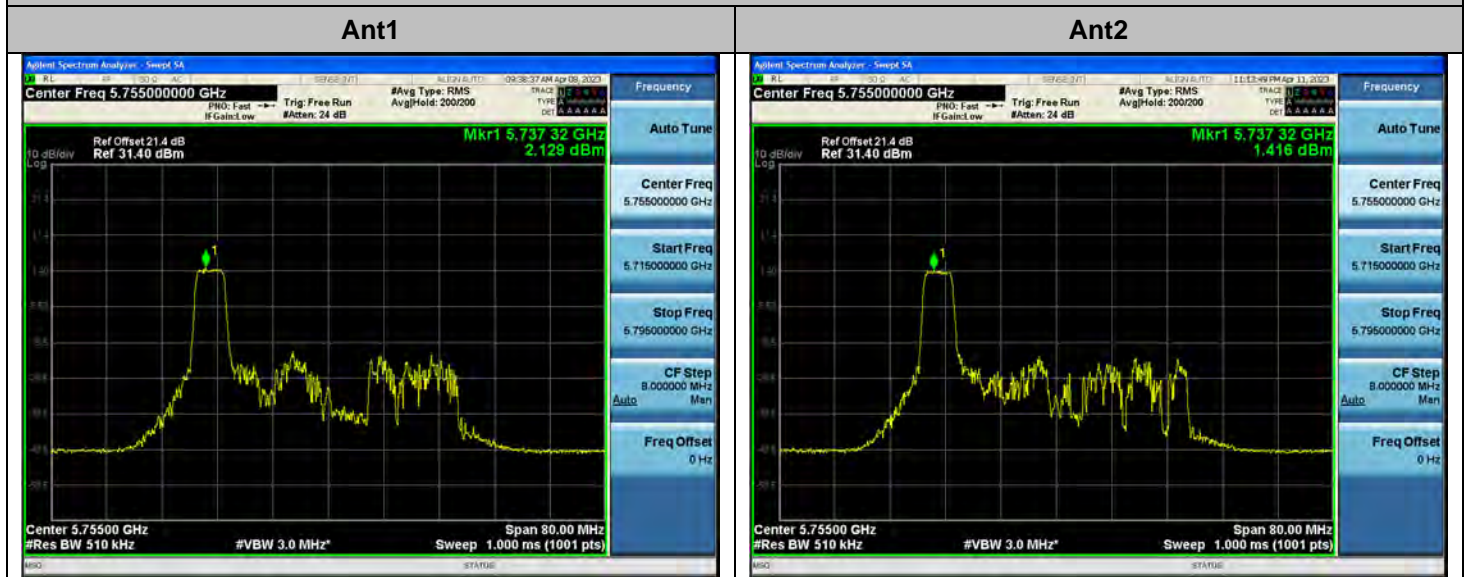


SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
7.520	0.000	7.520

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

**Bandwidth 40M Ch.151 (5755MHz) 52Tone RU 37**



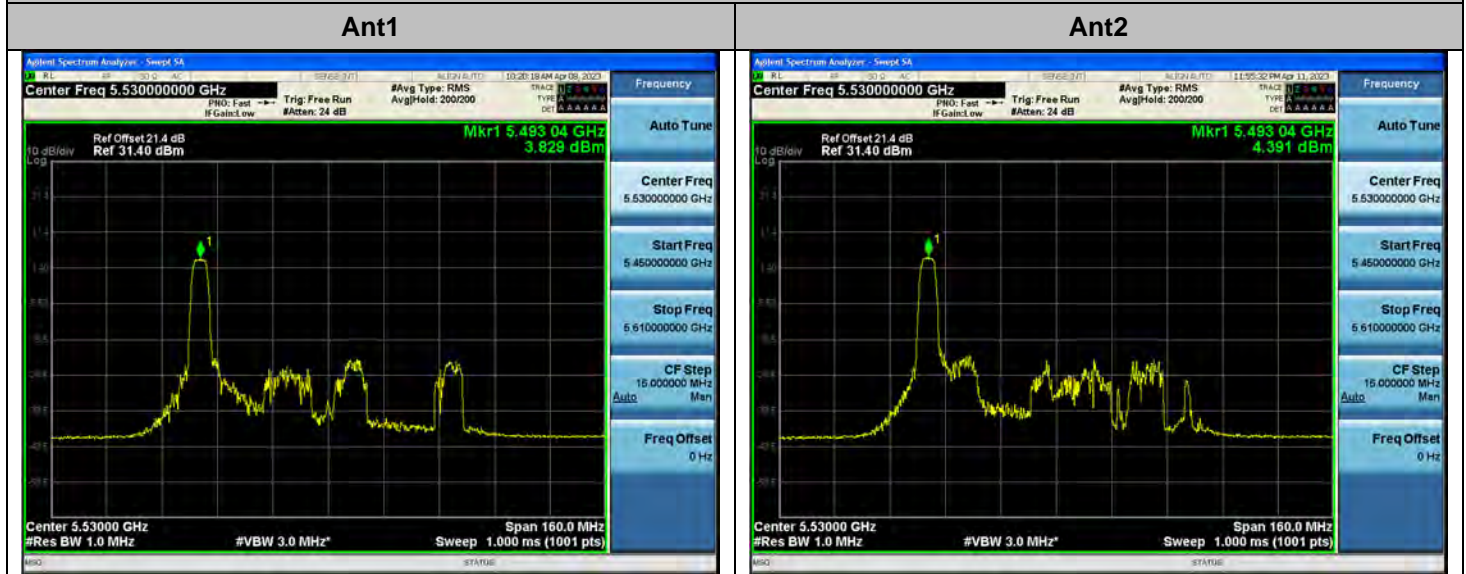
SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
4.797	0.000	4.797

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)



**Bandwidth 80M Ch.106 (5530 MHz) 52Tone RU 37**

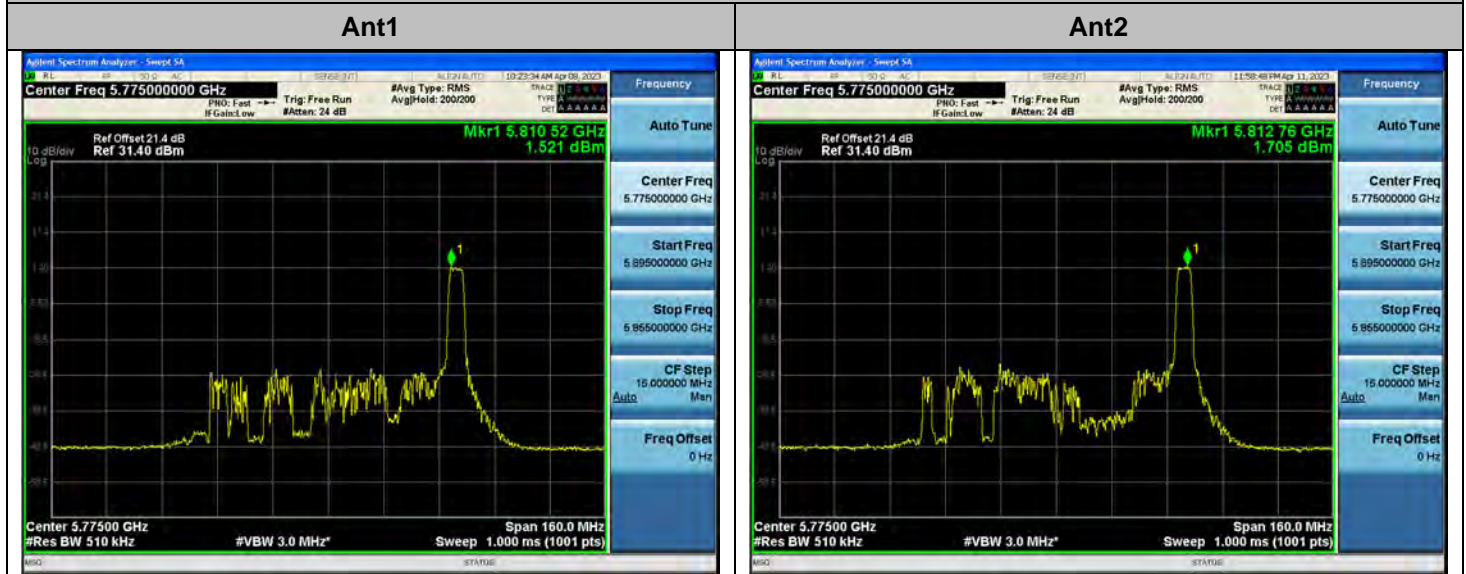


SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
7.129	0.000	7.129

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

**Bandwidth 80M Ch.155 (5775 MHz) 52Tone RU 52**



SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
4.624	0.000	4.624

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

Bandwidth 160M\_80L Ch.50 (5250 MHz) 26 Tones RU 0

Ant1



Ant2

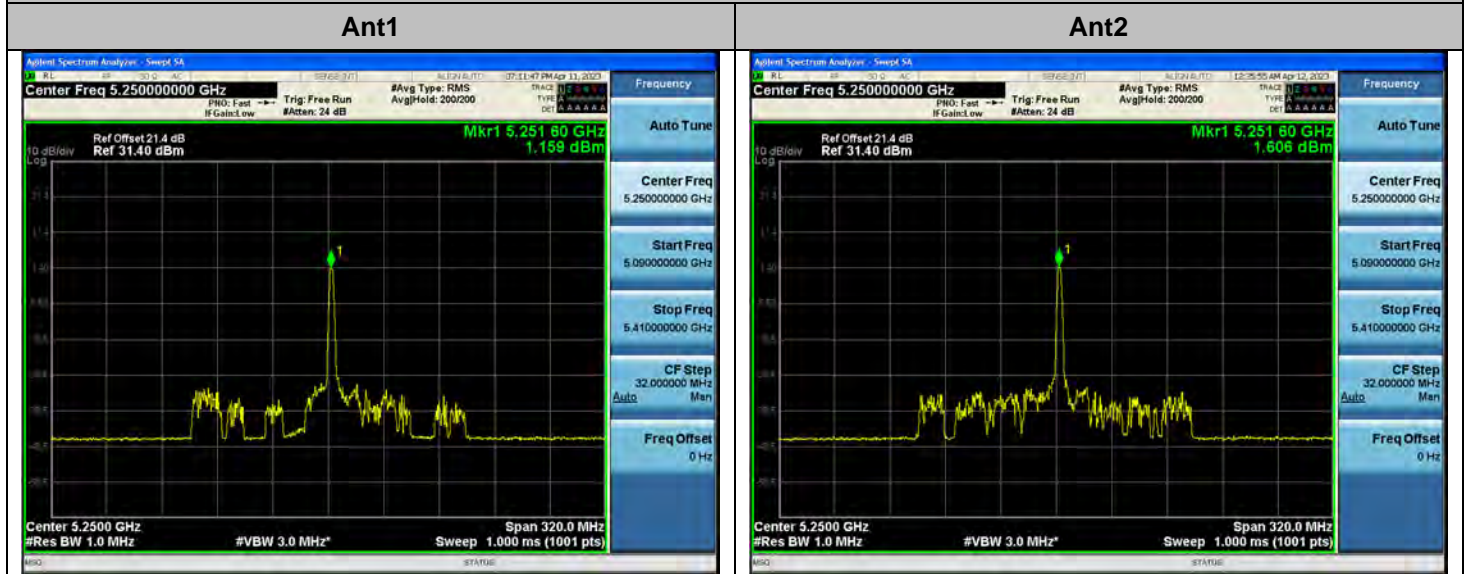


SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
4.690	0.000	4.690

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

Bandwidth 160M\_80U Ch.50 (5250 MHz) 26 Tones RU 0



SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
4.399	0.000	4.399

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

Bandwidth 160M\_SU Ch.114 (5570 MHz) SU

Ant1



Ant2



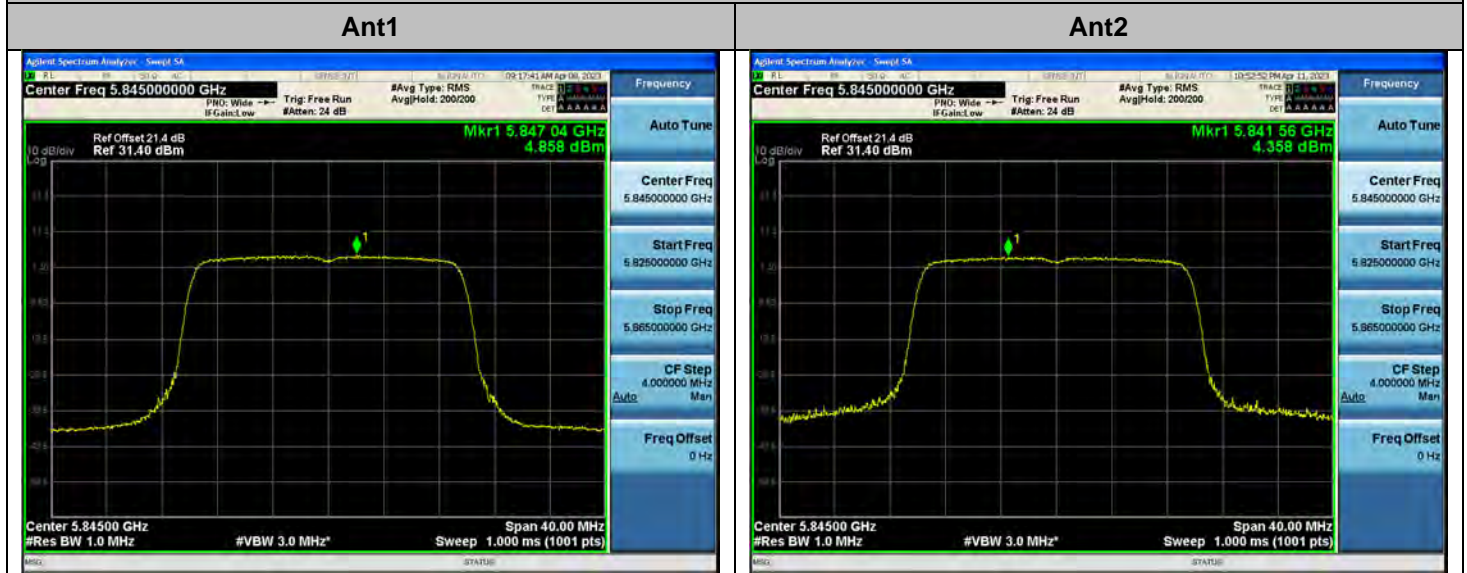
SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
-3.935	0.000	-3.935

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

UNII-4 Band(EIRP)

Bandwidth 20M Ch.169 (5845 MHz) SU

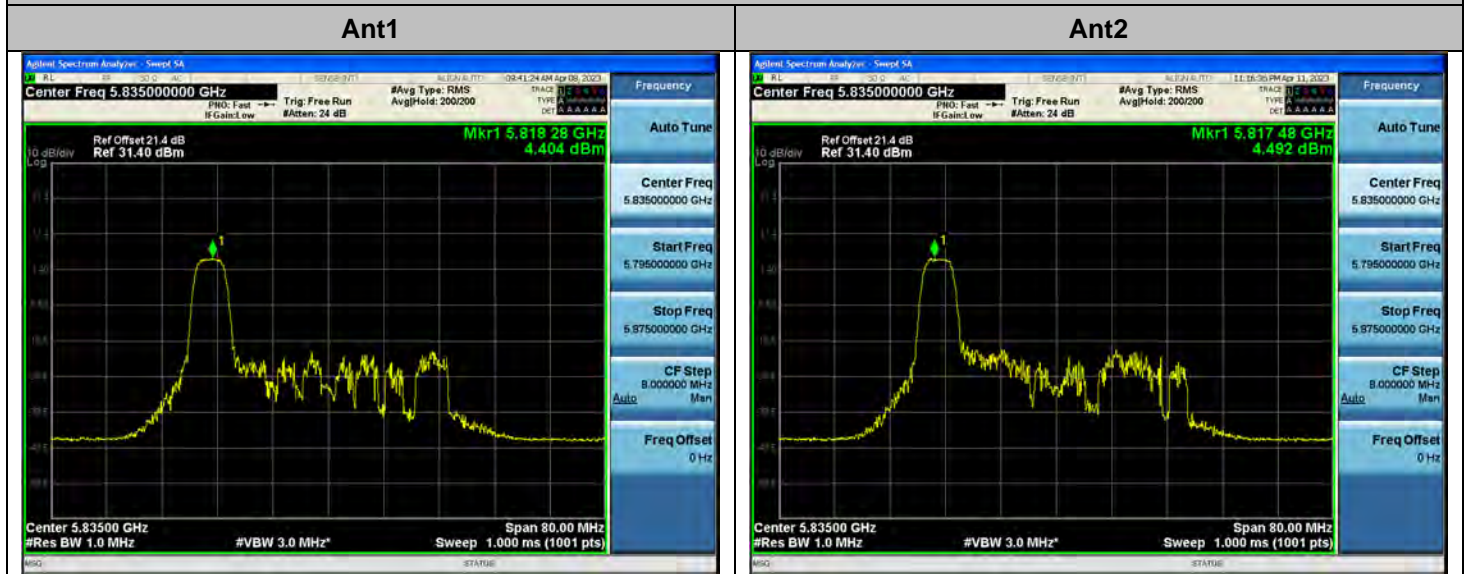


Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
7.625	-3.664	3.962

**Note:**

1. Duty Cycle Factor (dB): 0.000
2. Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)
3. EIRP SUM PSD (dBm) = Total PSD (dBm) + Directional Gain (dBi)

**Bandwidth 40M Ch.167 (5835 MHz) 52Tone RU 37**

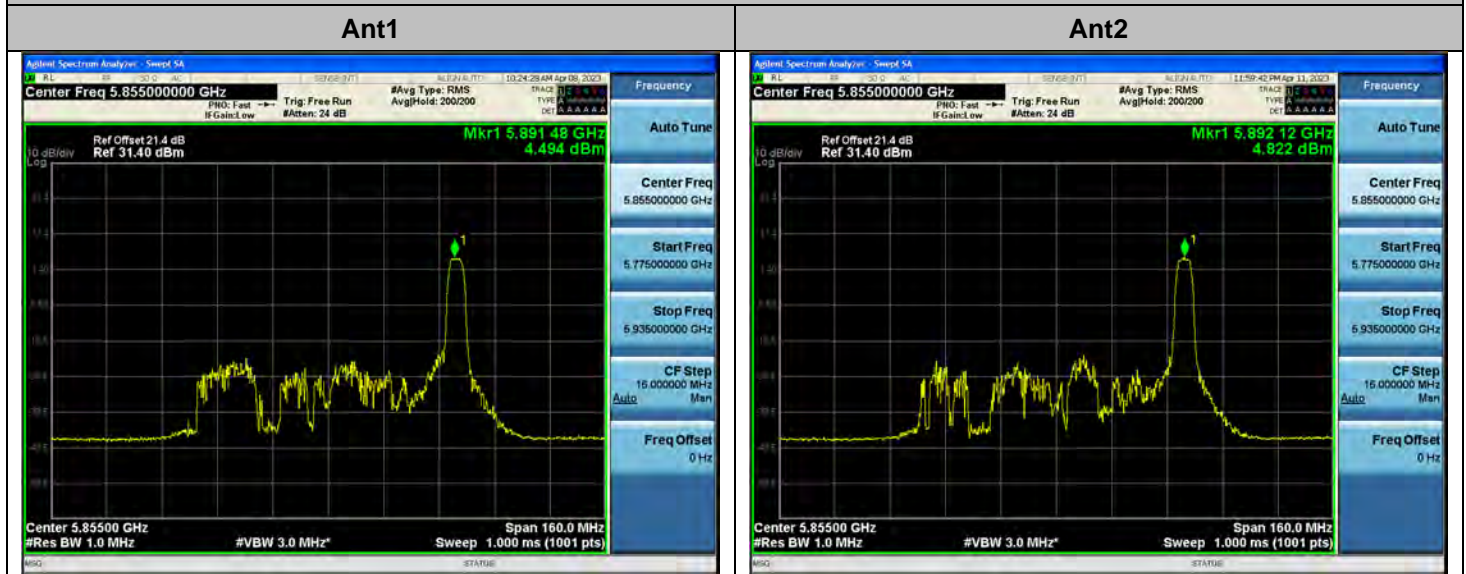


Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
7.459	-3.664	3.795

**Note:**

1. Duty Cycle Factor (dB): 0.000
2. Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)
3. EIRP SUM PSD (dBm) = Total PSD (dBm) + Directional Gain (dBi)

**Bandwidth 80M Ch.171 (5855 MHz) 52Tone RU 52**



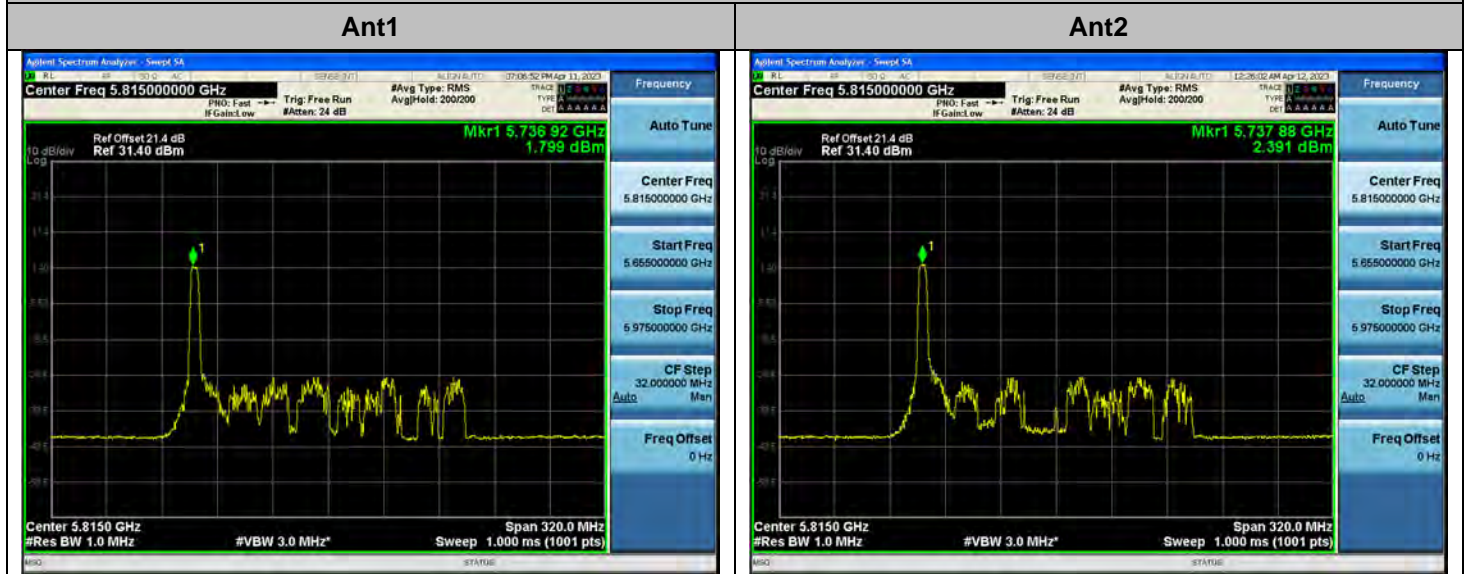
Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
7.671	-3.664	4.008

**Note:**

1. Duty Cycle Factor (dB): 0.000
2. Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)
3. EIRP SUM PSD (dBm) = Total PSD (dBm) + Directional Gain (dBi)



Bandwidth 160M\_80L Ch.163 (5815 MHz) 26 Tones RU 37



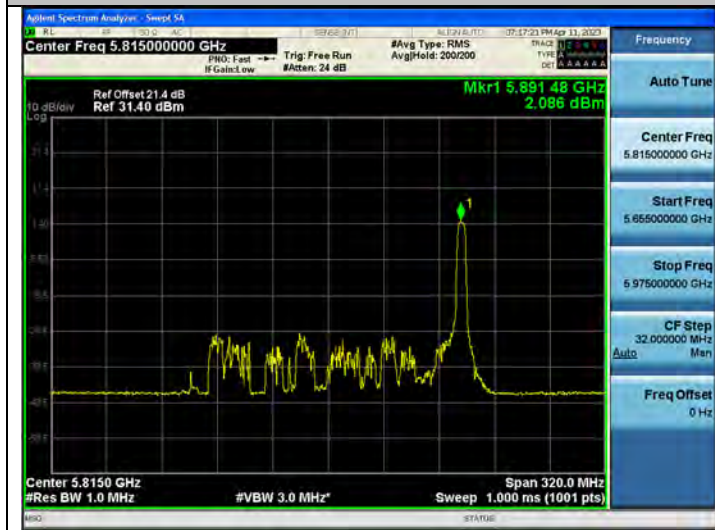
Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
5.115	-3.664	1.452

**Note:**

1. Duty Cycle Factor (dB): 0.000
2. Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)
3. EIRP SUM PSD (dBm) = Total PSD (dBm) + Directional Gain (dBi)

Bandwidth 160M\_80U Ch.163 (5815 MHz) 52 Tones RU 52

Ant1



Ant2

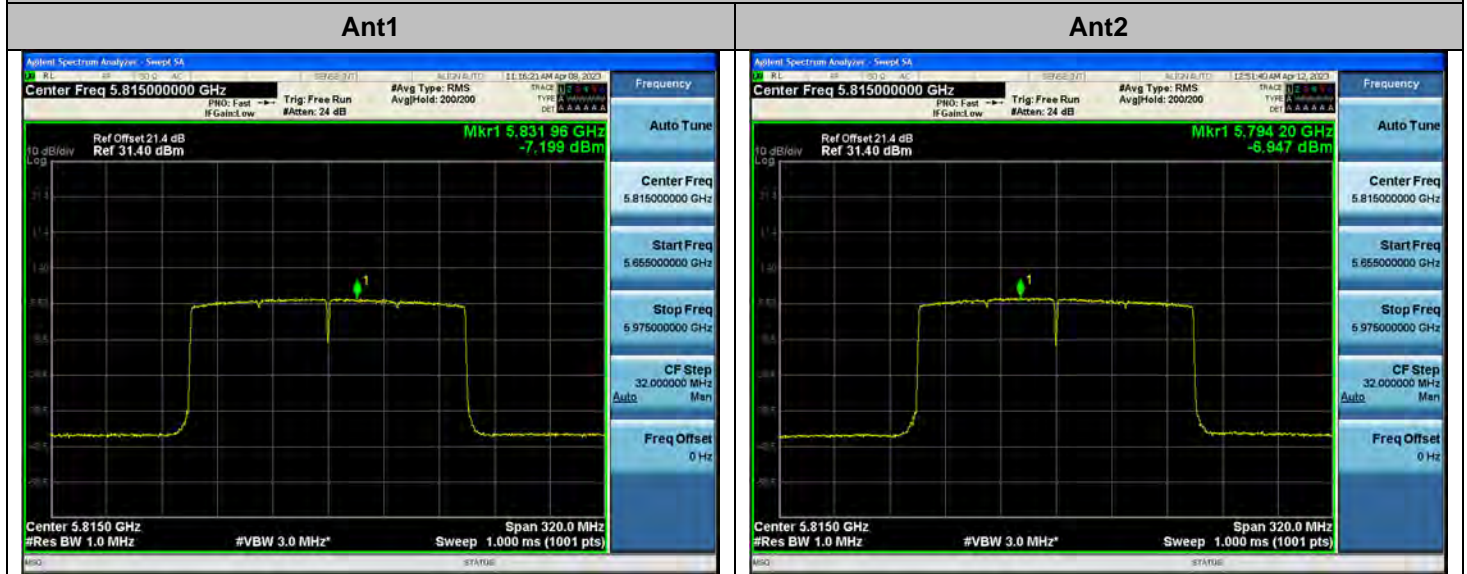


Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
4.997	-3.664	1.333

**Note:**

1. Duty Cycle Factor (dB): 0.000
2. Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)
3. EIRP SUM PSD (dBm) = Total PSD (dBm) + Directional Gain (dBi)

Bandwidth 160M\_SU Ch.163 (5815 MHz) SU



Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
-4.061	-3.664	-7.725

**Note:**

1. Duty Cycle Factor (dB): 0.000
2. Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)
3. EIRP SUM PSD (dBm) = Total PSD (dBm) + Directional Gain (dBi)

## 5. Straddle Channel

### 5.1 26dB Bandwidth

**Note:**

1. In order to simplify the report, attached plots were only the widest channel. (UNII1~3)

#### 5.1.1 MIMO Ant1

(26dB) Bandwidth 20M Ch.144(5720 MHz) 52 Tones RU 37



UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5708.56	16.44

**Note:**

1. [UNII 2C] 26 dB Bandwidth = 5725 MHz - Measured Frequency[MHz]

(26 dB) Bandwidth 20M Ch.144(5720 MHz) SU



UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5731.76	5725	6.76

**Note:**

1. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz

(26dB) Bandwidth 40M Ch.142(5710 MHz) SU

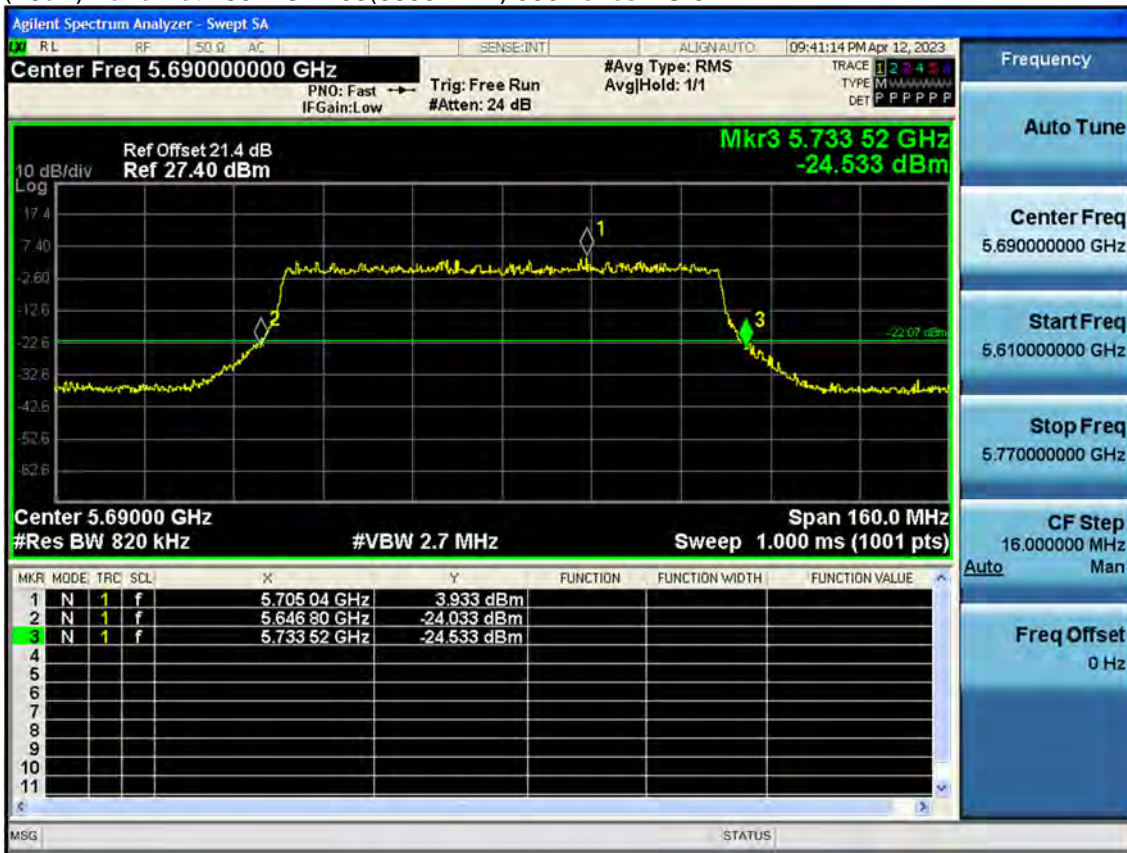


UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5687.44	37.56
UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5732.16	5725	7.16

**Note:**

1. [UNII 2C] 26 dB Bandwidth = 5725 MHz - Measured Frequency[MHz]
2. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz

(26dB) Bandwidth 80M Ch.138(5690 MHz) 996 Tones RU 67



UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5646.8	78.20

**Note:**

1. [UNII 2C] 26dB Bandwidth = 5725 MHz - Measured Frequency[MHz]

(26dB) Bandwidth 80M Ch.138(5690 MHz) 484 Tones RU 66



UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5734	5725	9.00

**Note:**

1. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz



### 5.1.2 MIMO Ant2

(26dB) Bandwidth 20M Ch.144(5720 MHz) 106 Tones RU 53



UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5708.52	16.48

**Note:**

1. [UNII 2C] 26 dB Bandwidth = 5725 MHz - Measured Frequency[MHz]

(26dB) Bandwidth 20M Ch.144(5720 MHz) SU

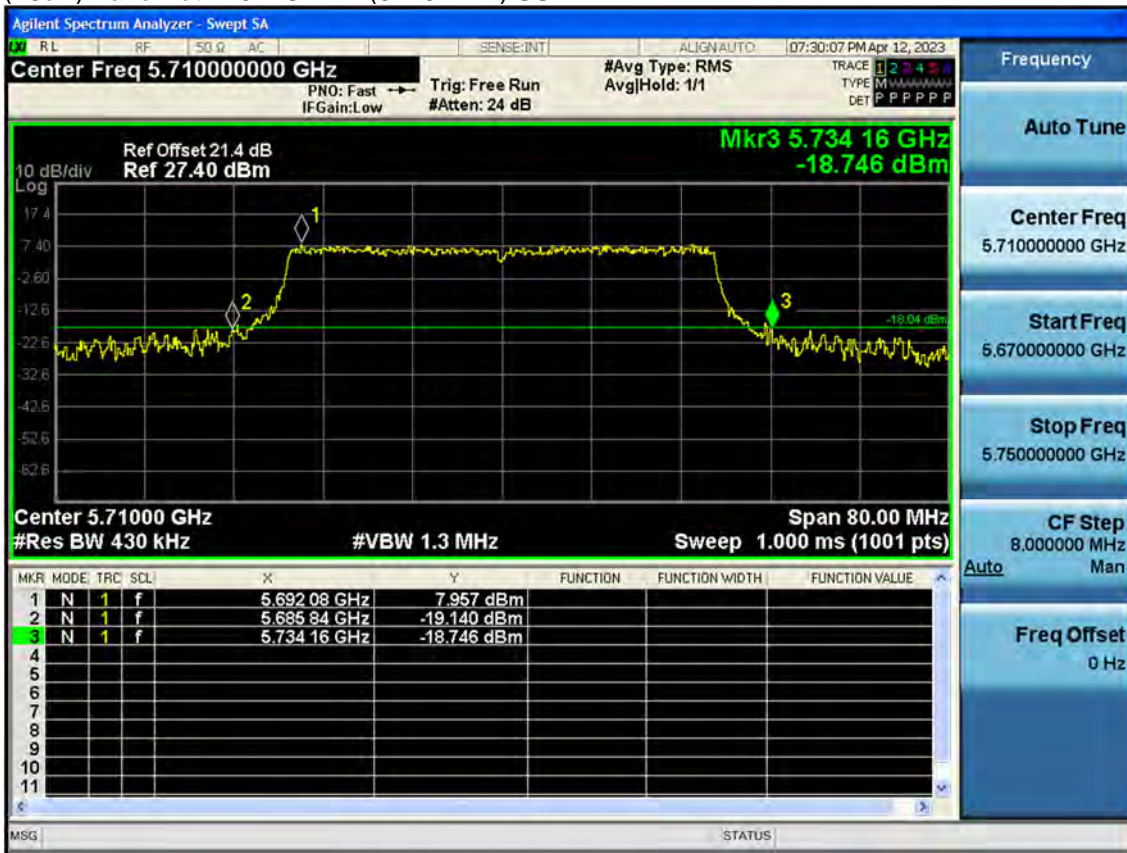


UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
		5731.72	5725

**Note:**

1. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz

(26dB) Bandwidth 40M Ch.142(5710 MHz) SU



UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5685.84	39.16
UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5734.16	5725	9.16

**Note:**

1. [UNII 2C] 26dB Bandwidth = 5725 MHz - Measured Frequency[MHz]
2. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz

(26dB) Bandwidth 80M Ch.138(5690 MHz) 996 Tones RU 67



UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5646	79.00

**Note:**

1. [UNII 2C] 26 dB Bandwidth = 5725 MHz - Measured Frequency[MHz]

(26dB) Bandwidth 80M Ch.138(5690 MHz) 484 Tones RU 66



UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5734.96	5725	9.96

**Note:**

1. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz

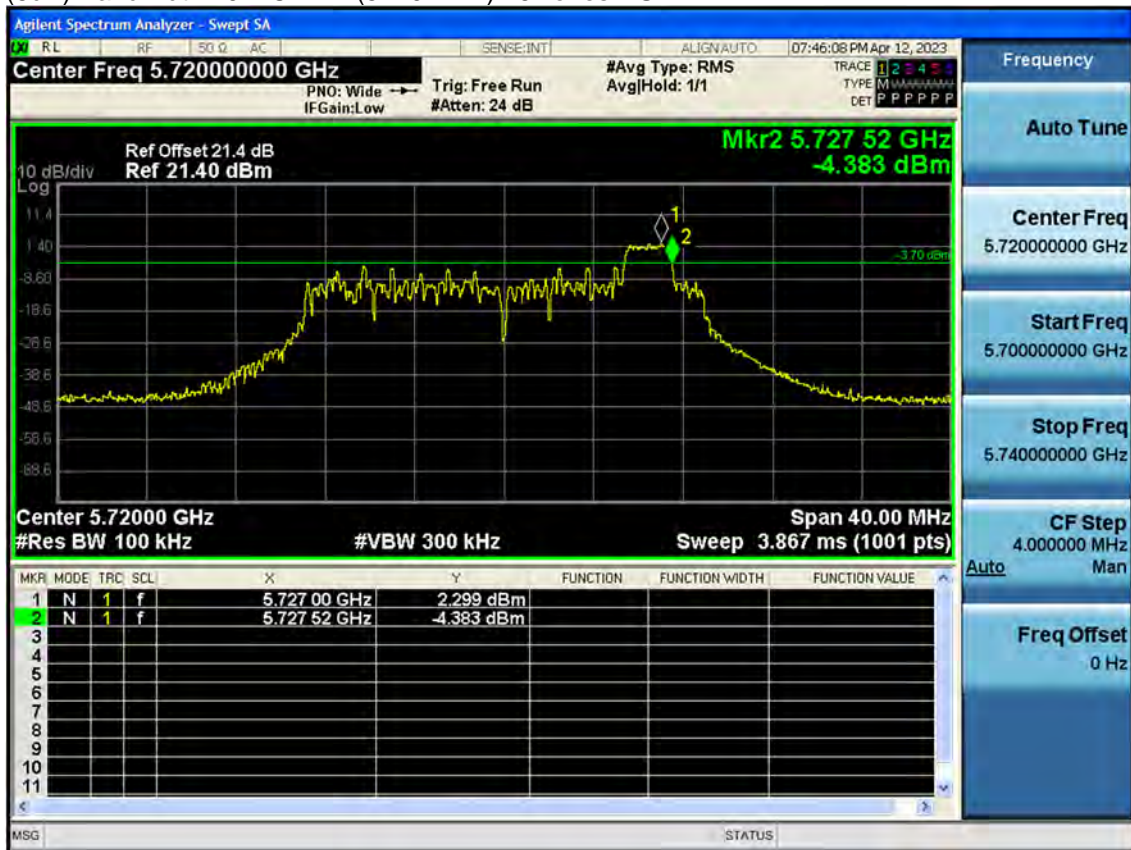
## 5.2 6dB Bandwidth

**Note:**

1. In order to simplify the report, attached plots were only the narrowest channel. (UNII1~4)

### 5.2.1 MIMO Ant1

(6dB) Bandwidth 20M Ch.144(5720 MHz) 26 Tones RU 7

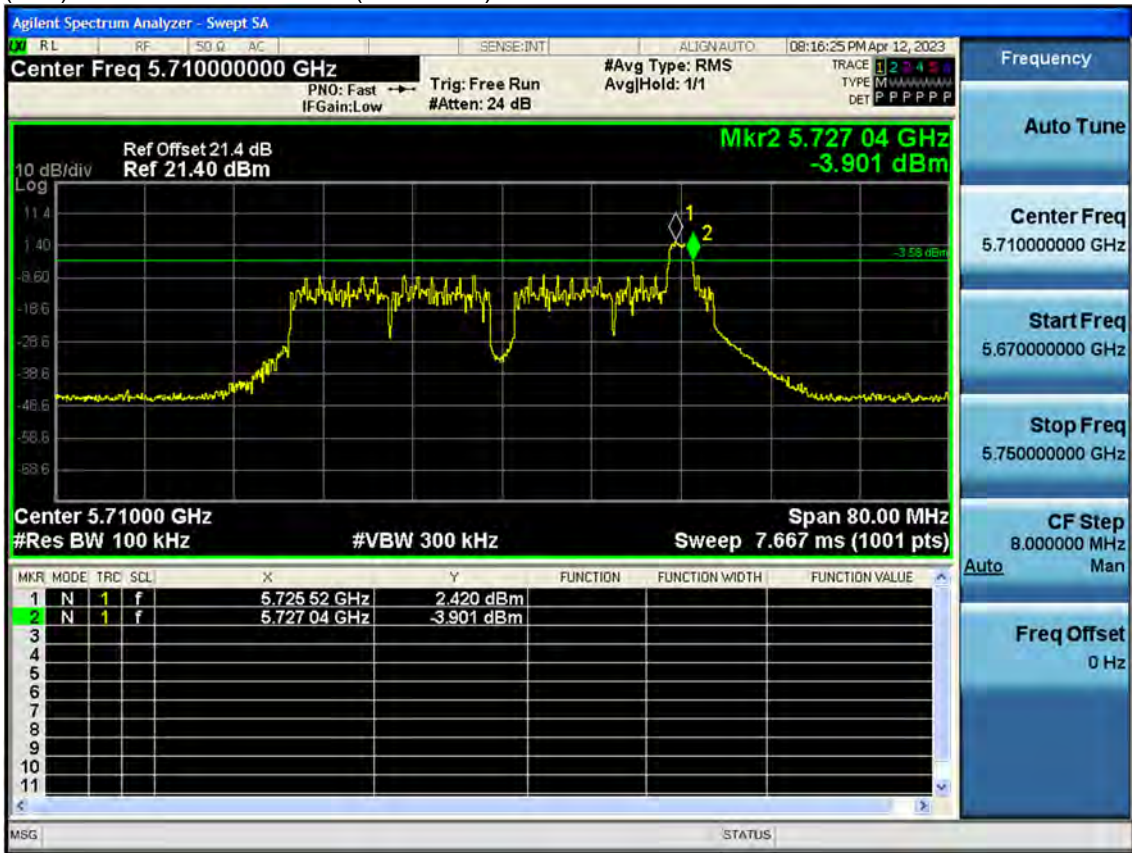


Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.52	5725	2.52

**Note:**

6dB Bandwidth = Measured Frequency[MHz] – 5725 MHz

(6dB) Bandwidth 40M Ch.142(5710 MHz) 26 Tones RU 16

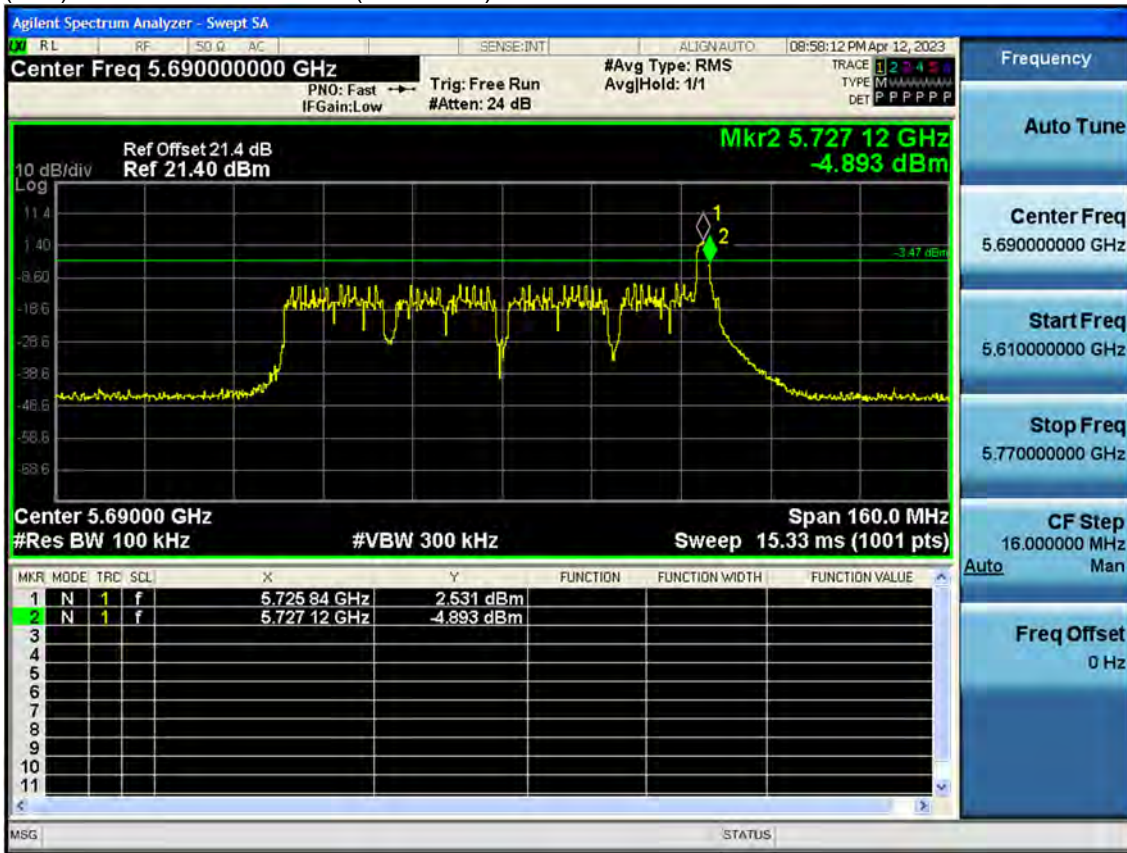


Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.04	5725	2.04

**Note:**

6dB Bandwidth = Measured Frequency[MHz] – 5725 MHz

(6dB) Bandwidth 80M Ch.138(5690 MHz) 26 Tones RU 35



Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.12	5725	2.12

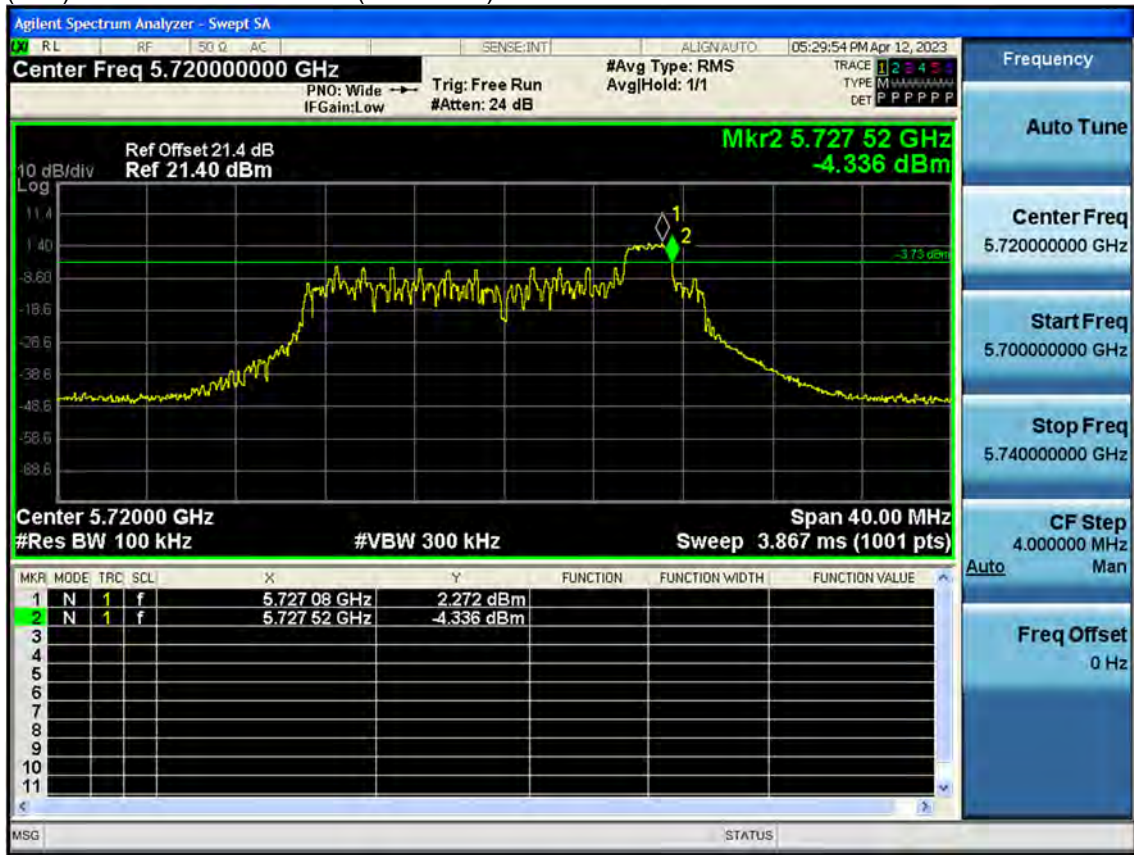
**Note:**

6dB Bandwidth = Measured Frequency[MHz] – 5725 MHz



### 5.2.2 MIMO Ant2

(6dB) Bandwidth 20M Ch.144(5720 MHz) 26 Tones RU 7



Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.52	5725	2.52

**Note:**

6dB Bandwidth = Measured Frequency[MHz] – 5725 MHz

(6dB) Bandwidth 40M Ch.142(5710 MHz) 26 Tones RU 16

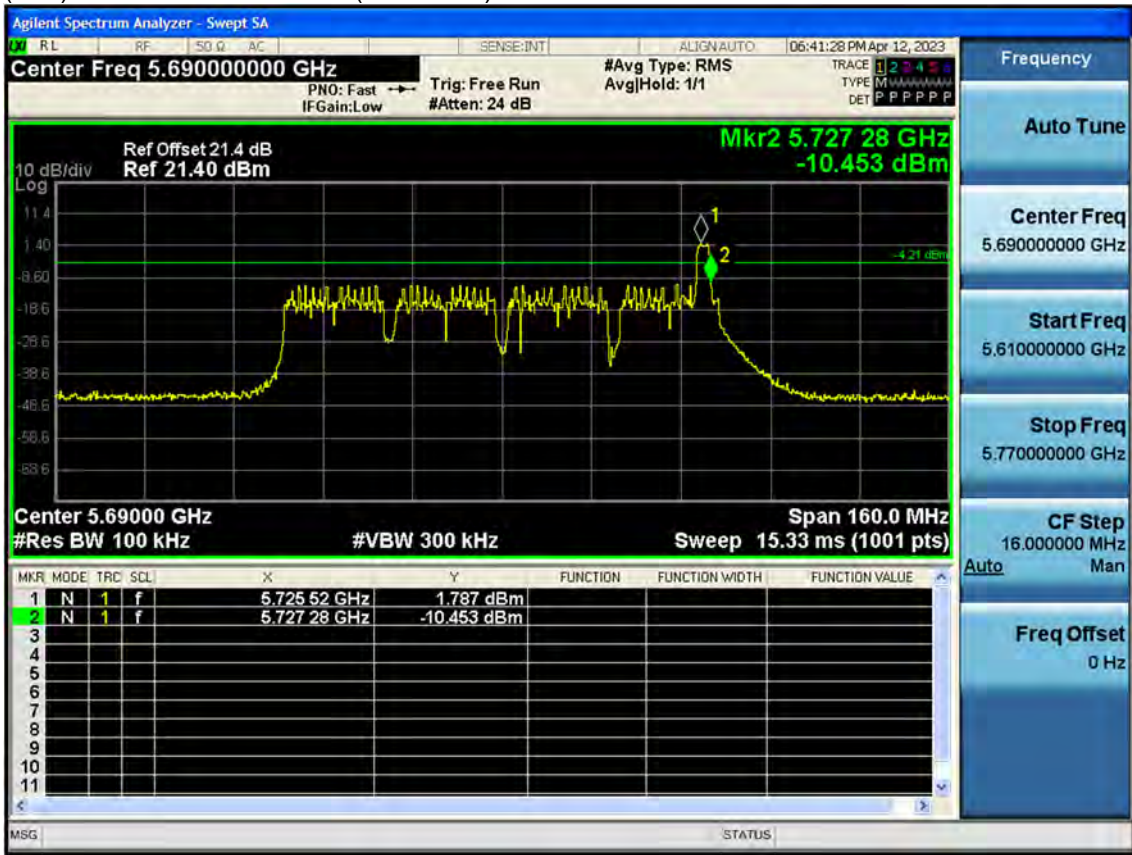


Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.12	5725	2.12

**Note:**

6dB Bandwidth = Measured Frequency[MHz] – 5725 MHz

(6dB) Bandwidth 80M Ch.138(5690 MHz) 26 Tones RU 35



Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.28	5725	2.28

**Note:**

6dB Bandwidth = Measured Frequency[MHz] – 5725 MHz

### 5.3 Output Power

**Note:**

1. In order to simplify the report, attached plots were only channel of the highest Power.

#### 5.3.1 MIMO Ant1

(UNII 2C) Bandwidth 20M Ch.144(5720 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
15.52	0.000	15.52

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 20M Ch.144(5720 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
10.74	0.000	10.74

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 2C) Bandwidth 40M Ch.142(5710 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
16.26	0.000	16.26

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 40M Ch.142(5710 MHz) 52 Tones RU 44

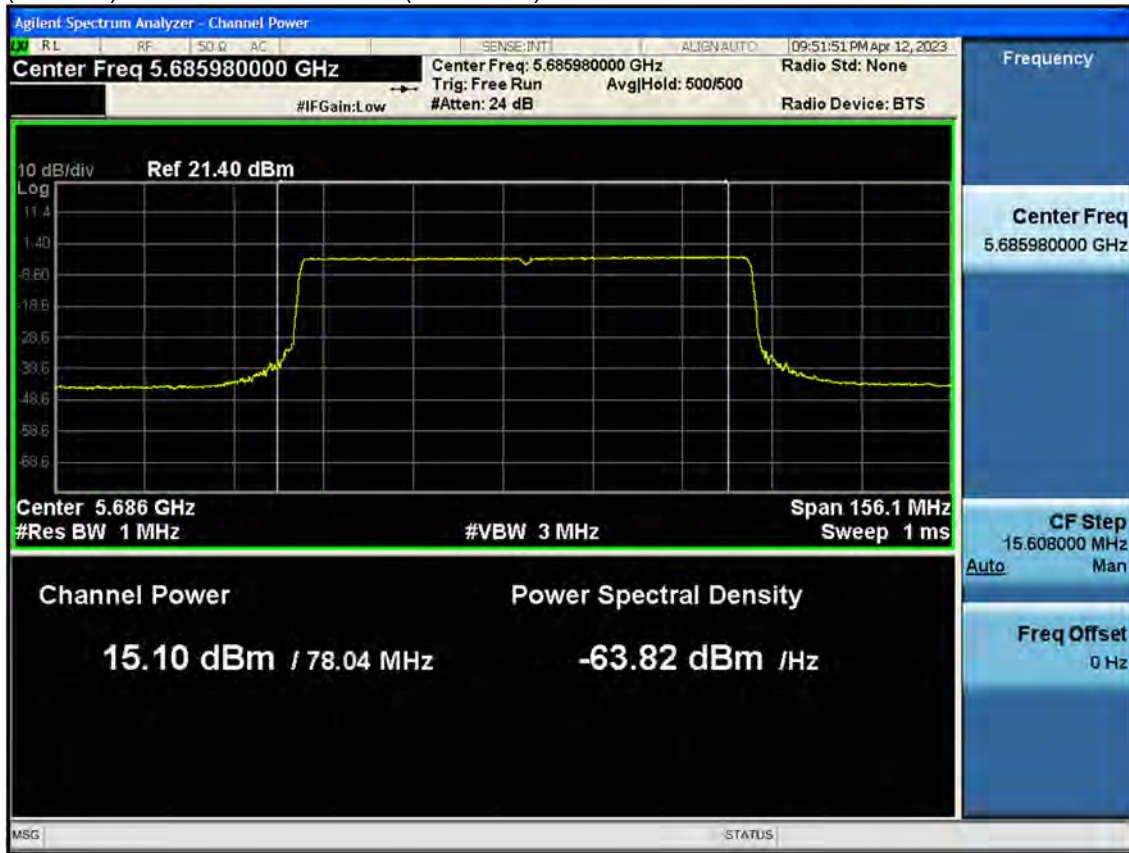


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
9.64	0.000	9.64

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 2C) Bandwidth 80M Ch.138(5690 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
15.10	0.000	15.10

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)



(UNII 3) Bandwidth 80M Ch.138(5690 MHz) 52 Tones RU 52



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
9.80	0.000	9.80

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

### 5.3.2 MIMO Ant2

(UNII 2C) Bandwidth 20M Ch.144(5720 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
15.32	0.000	15.32

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 20M Ch.144(5720 MHz) SU

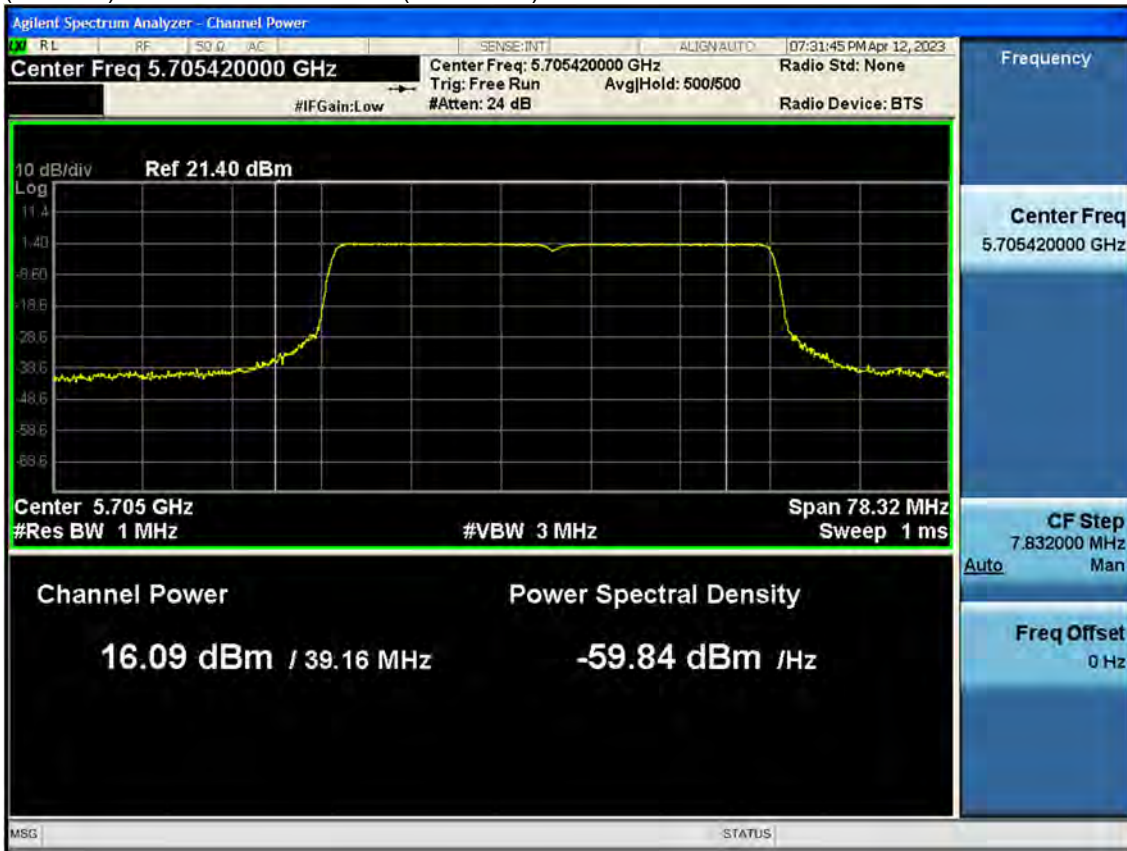


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
10.45	0.000	10.45

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 2C) Bandwidth 40M Ch.142(5710 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
16.09	0.000	16.09

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 40M Ch.142(5710 MHz) 52 Tones RU 44



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
9.69	0.000	9.69

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 2C) Bandwidth 80M Ch.138(5690 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
14.97	0.000	14.97

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 80M Ch.138(5690 MHz) 52 Tones RU 52



Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
9.47	0.000	9.47

**Note:**

Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

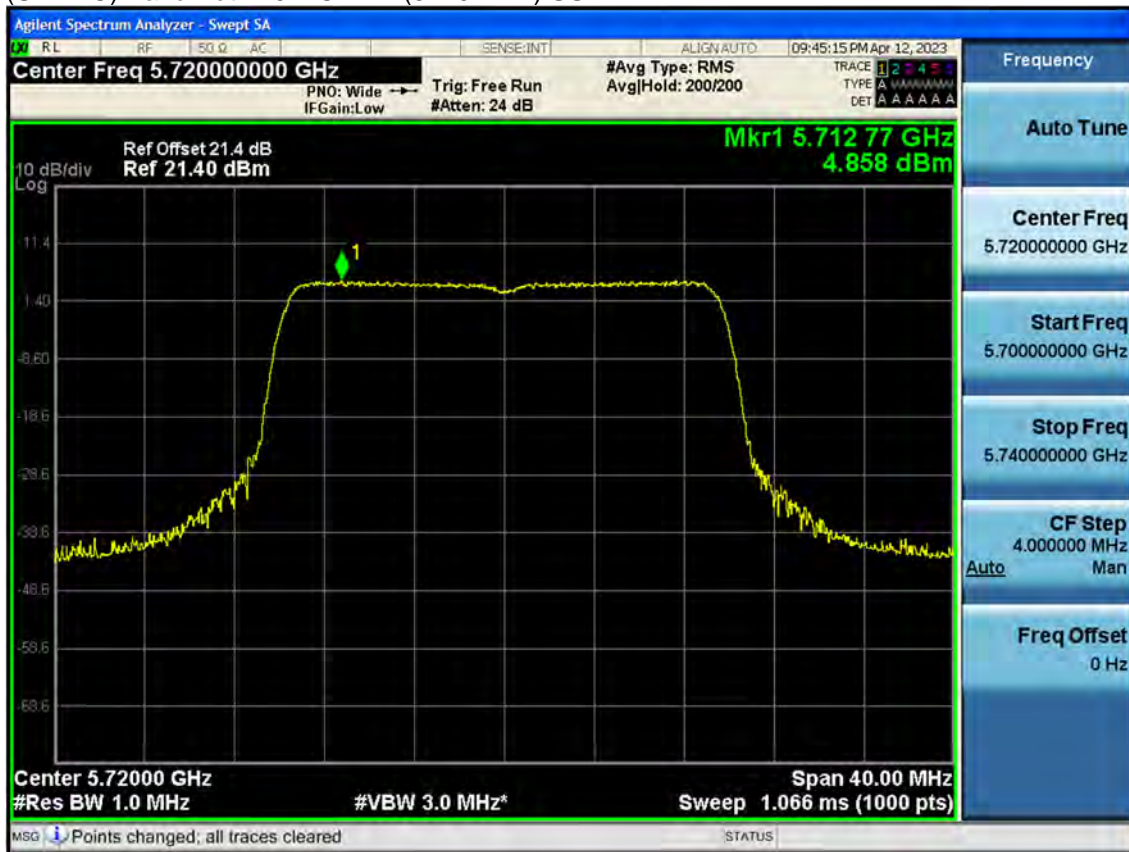
### 5.4 Power Spectral Density

**Note:**

1. In order to simplify the report, attached plots were only channel of the highest PSD.

#### 5.4.1 MIMO Ant1

(UNII 2C) Bandwidth 20M Ch.144(5720 MHz) SU



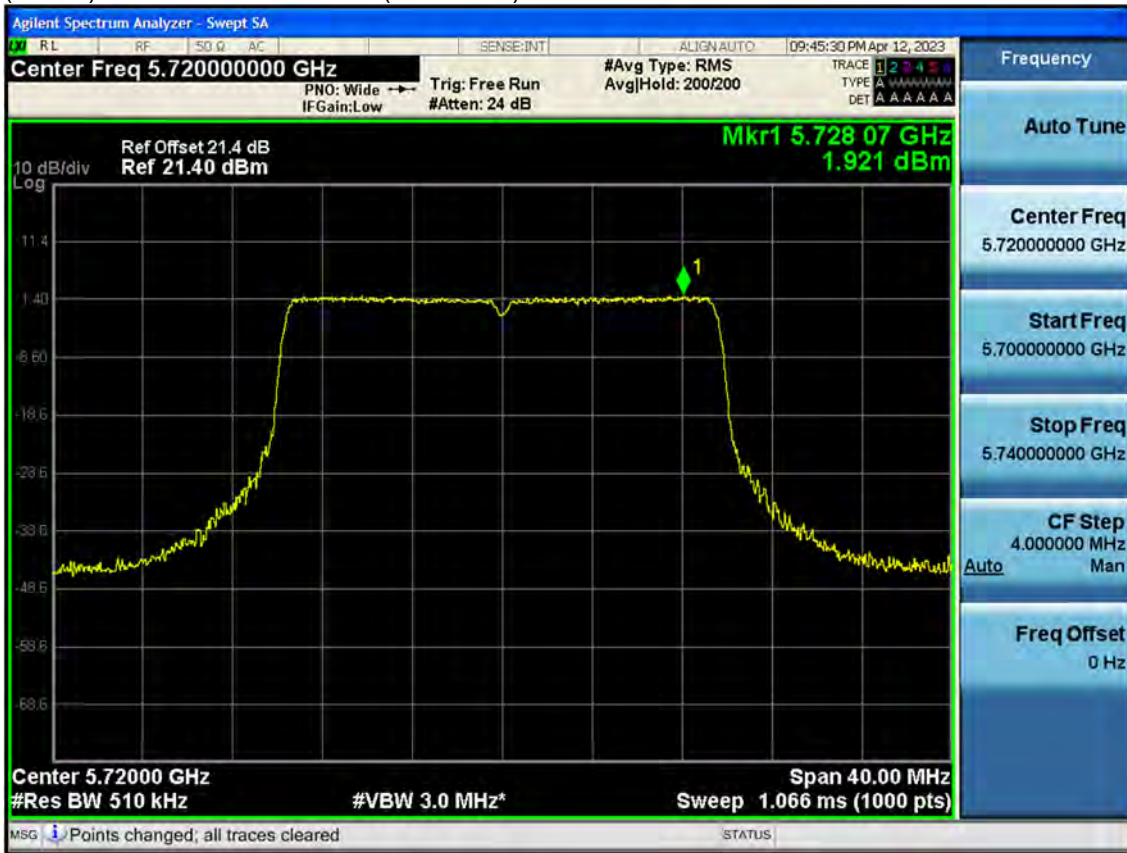
Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
4.858	0.000	4.858

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)



(UNII 3) Bandwidth 20M Ch.144(5720 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
1.921	0.000	1.921

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 2C) Bandwidth 40M Ch.142(5710 MHz) 52 Tones RU 43



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
4.196	0.000	4.196

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 40M Ch.142(5710 MHz) 52 Tones RU 44



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
1.595	0.000	1.595

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 2C) Bandwidth 80M Ch.138(5690 MHz) 52 Tones RU 51

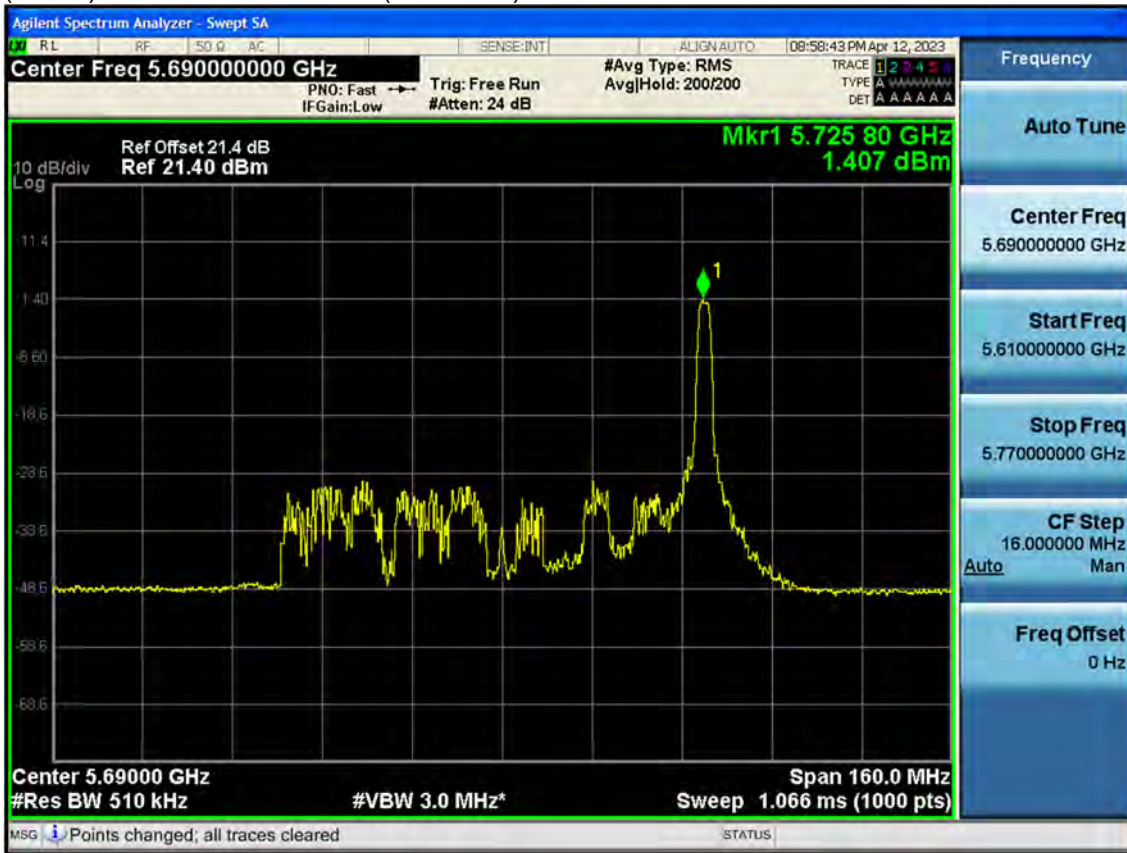


Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
3.971	0.000	3.971

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 80M Ch.138(5690 MHz) 26 Tones RU 35



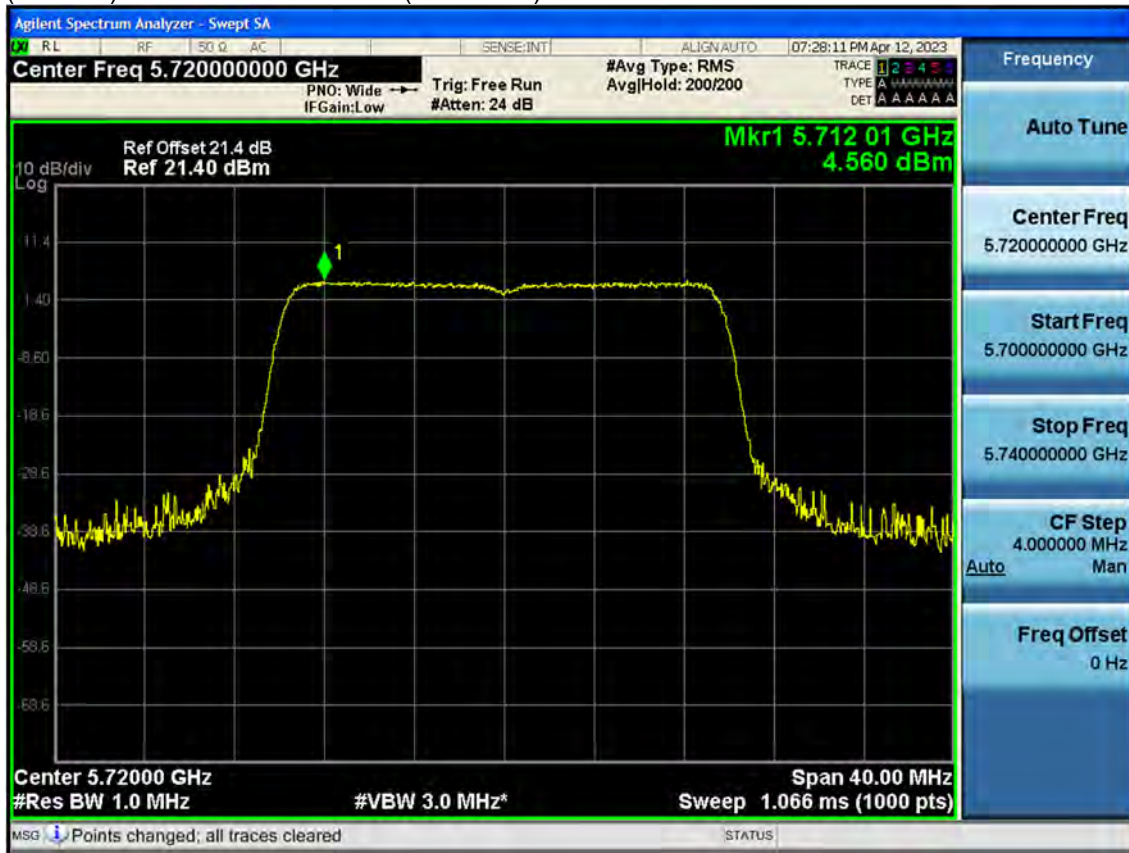
Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
1.407	0.000	1.407

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

### 5.4.2 MIMO Ant2

(UNII 2C) Bandwidth 20M Ch.144(5720 MHz) SU

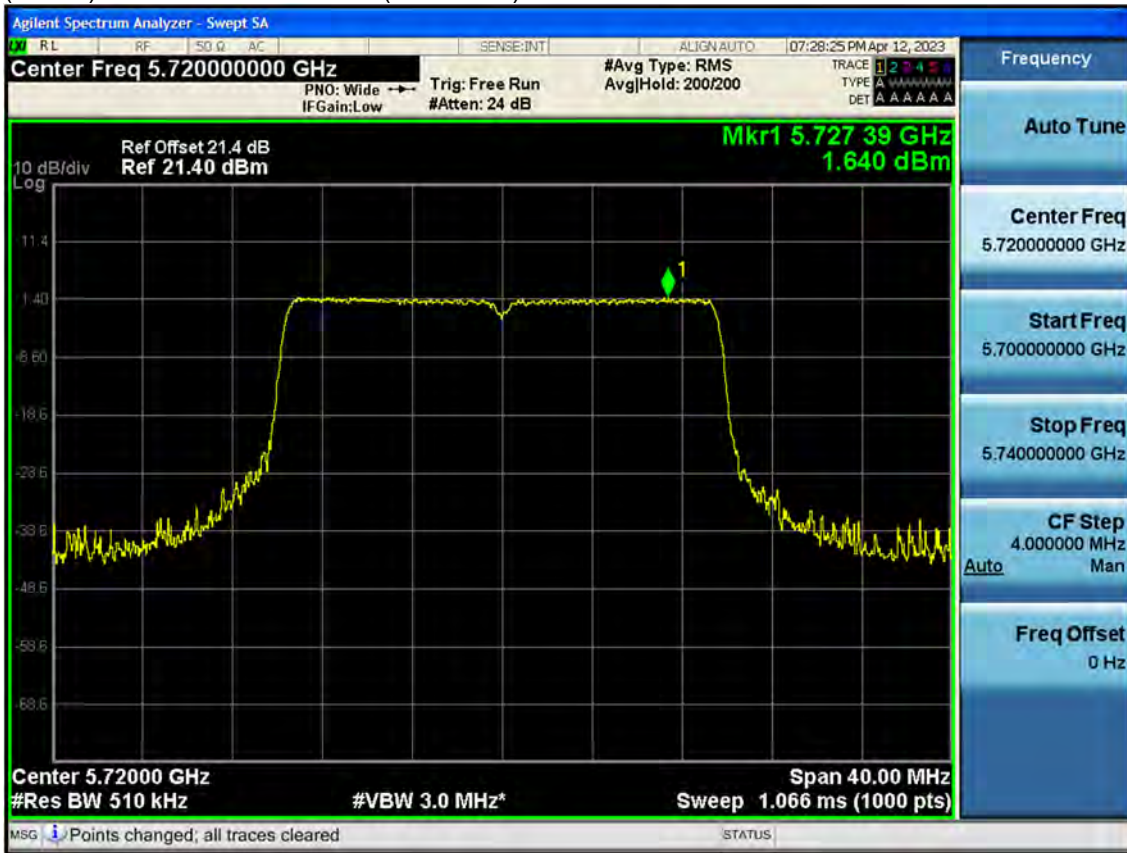


Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
4.560	0.000	4.560

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 20M Ch.144(5720 MHz) SU



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
1.640	0.000	1.640

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 2C) Bandwidth 40M Ch.142(5710 MHz) 52 Tones RU 43



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
4.330	0.000	4.330

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)



(UNII 3) Bandwidth 40M Ch.142(5710 MHz) 52 Tones RU 44



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
1.372	0.000	1.372

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 2C) Bandwidth 80M Ch.138(5690 MHz) 52 Tones RU 51



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
3.719	0.000	3.719

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

(UNII 3) Bandwidth 80M Ch.138(5690 MHz) 52 Tones RU 52



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
1.194	0.000	1.194

**Note:**

Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)