

**Bandwidth 160M\_80U Ch.50 (5250 MHz) 52 Tones RU 52**

**Ant1**



**Ant2**

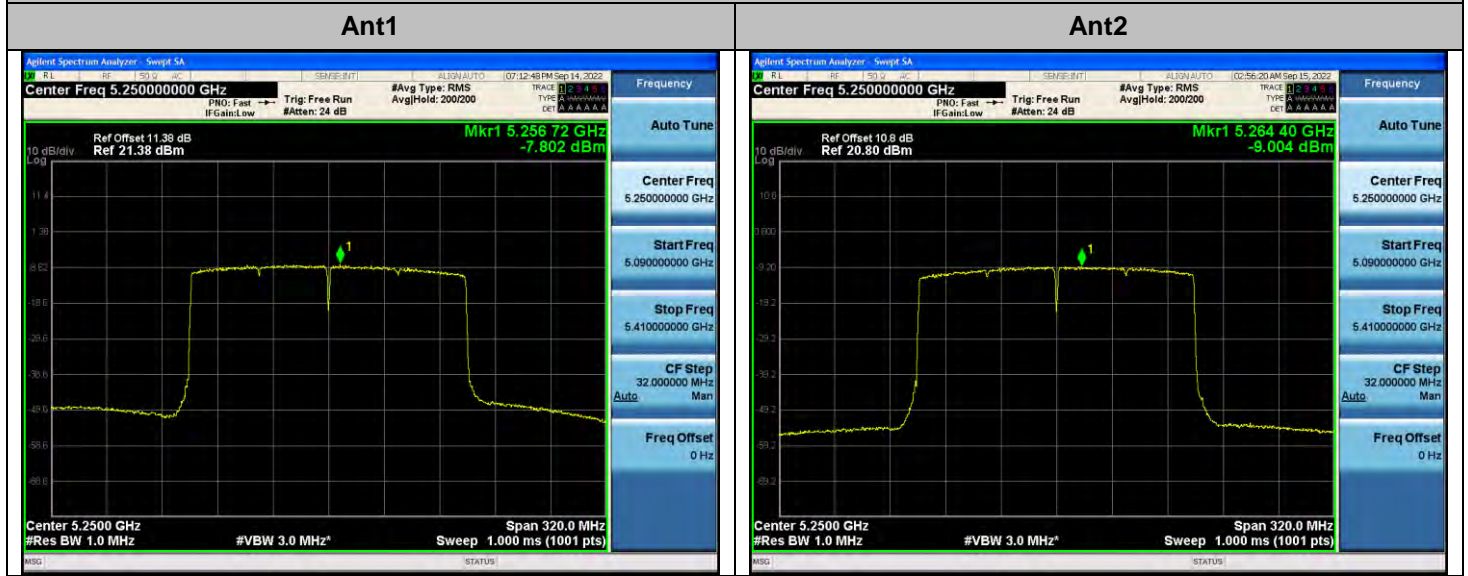


SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
9.119	0.025	9.145

**Note:**

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

Bandwidth 160M\_SU Ch.50 (5250 MHz) SU



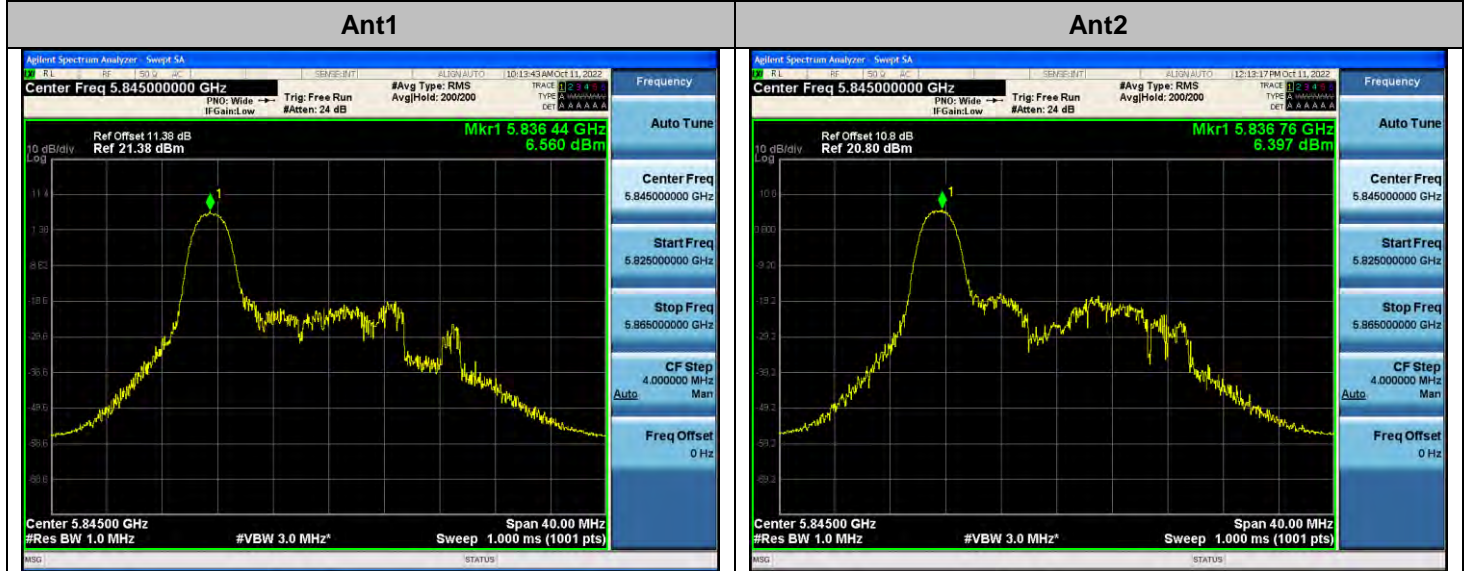
SUM PSD (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
-5.351	0.012	-5.339

**Note:**

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

UNII-4 Band(EIRP)

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

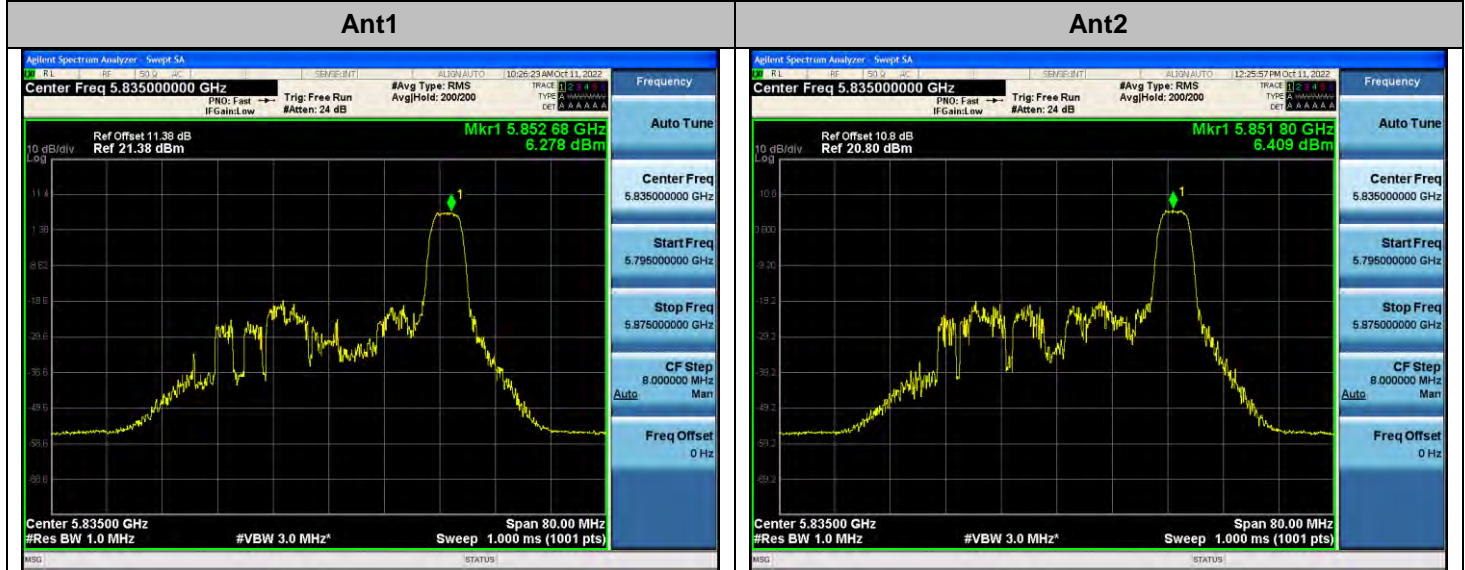


Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
9.519	-0.910	8.609

**Note:**

1. Duty Cycle Factor (dB): 0.030
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 44**

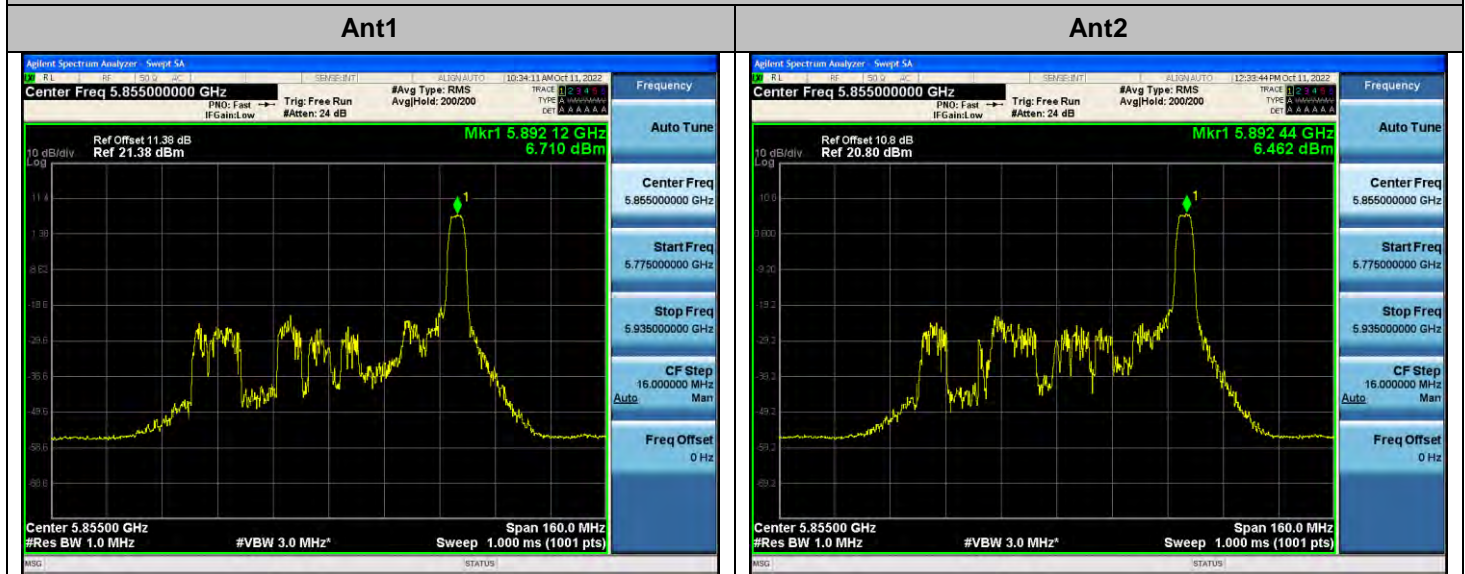


Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
9.384	-0.910	8.474

**Note:**

1. Duty Cycle Factor (dB): 0.030
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**



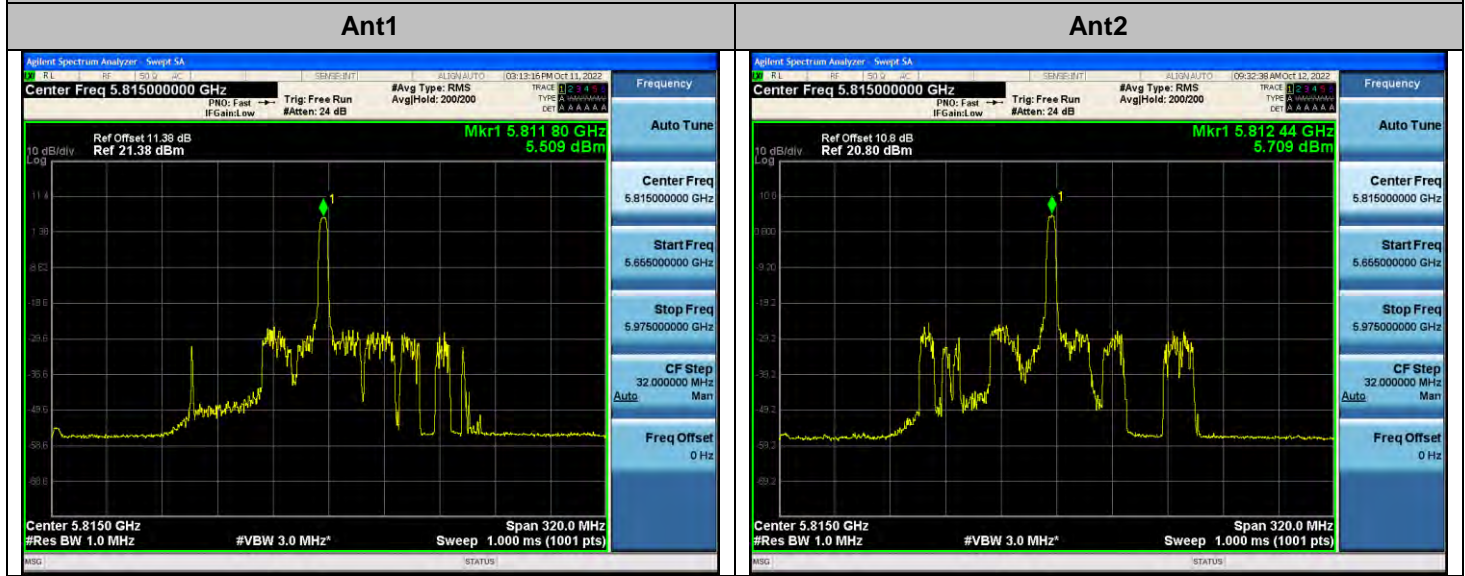
Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
9.628	-0.910	8.718

**Note:**

1. Duty Cycle Factor (dB): 0.030
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) 52 Tones RU 52**

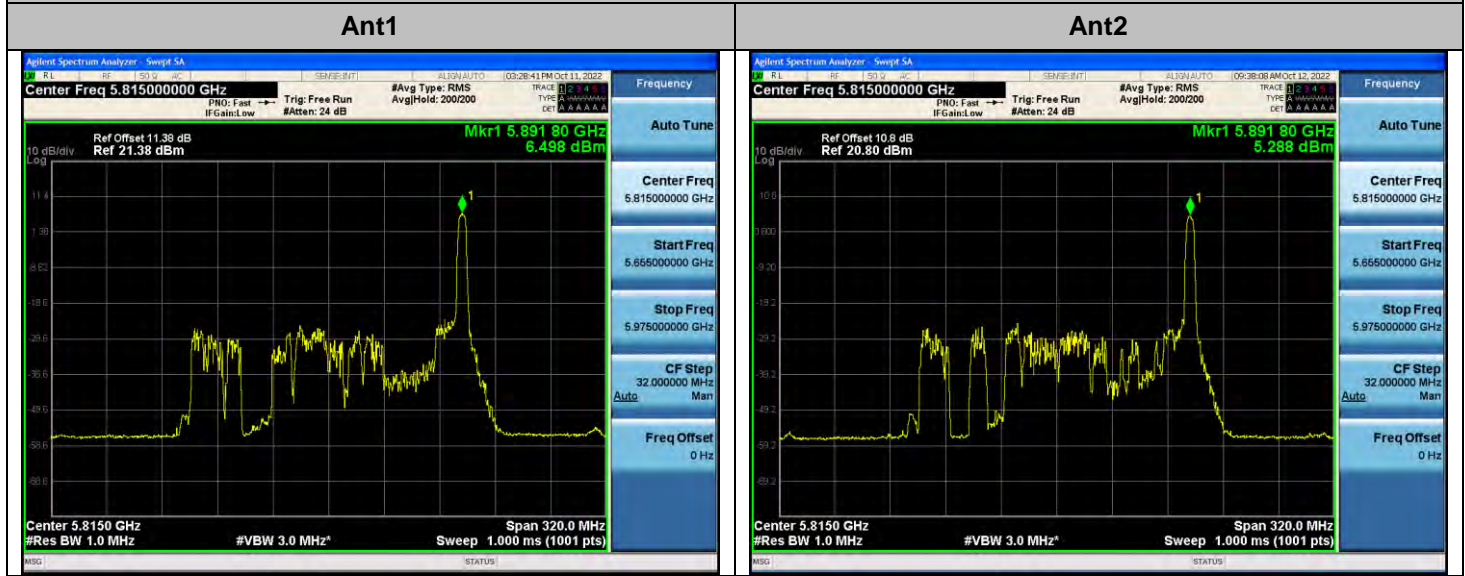


Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
8.646	-0.910	7.736

**Note:**

1. Duty Cycle Factor (dB): 0.025
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**

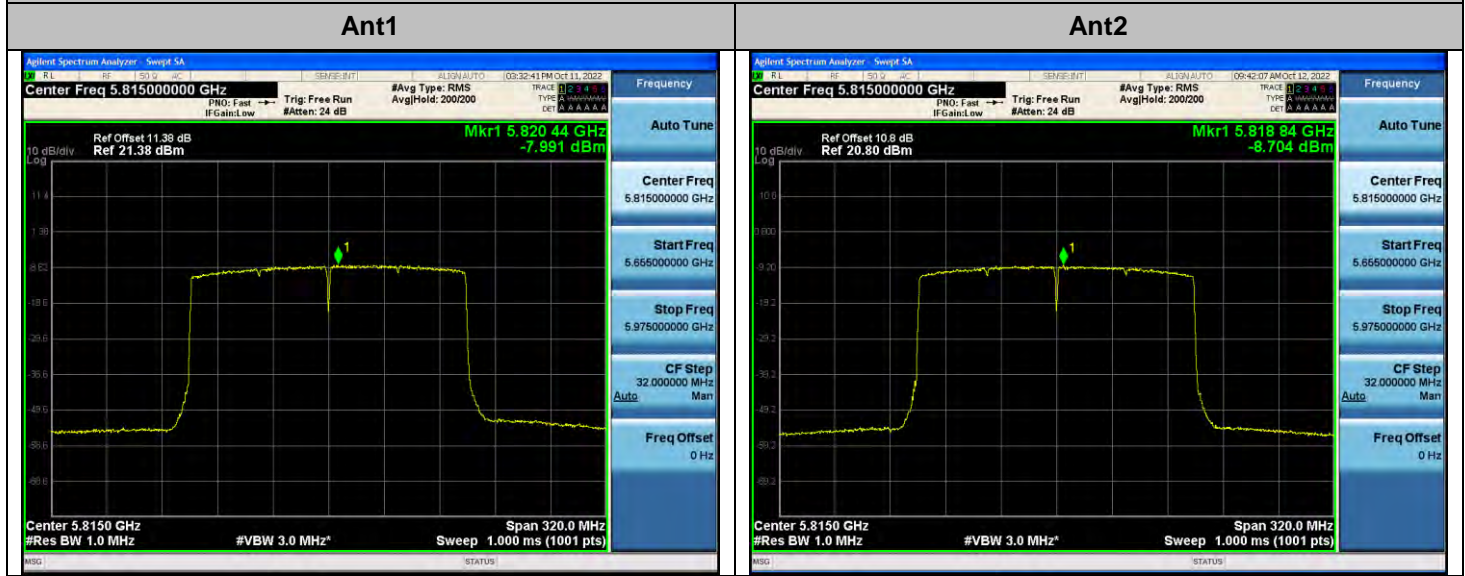


Total PSD (dBm)	ANT Gain (dB)	EIRP SUM PSD (dBm)
8.971	-0.910	8.061

**Note:**

1. Duty Cycle Factor (dB): 0.025
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)
-5.310	-0.910	-6.220

**Note:**

1. Duty Cycle Factor (dB): 0.012
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

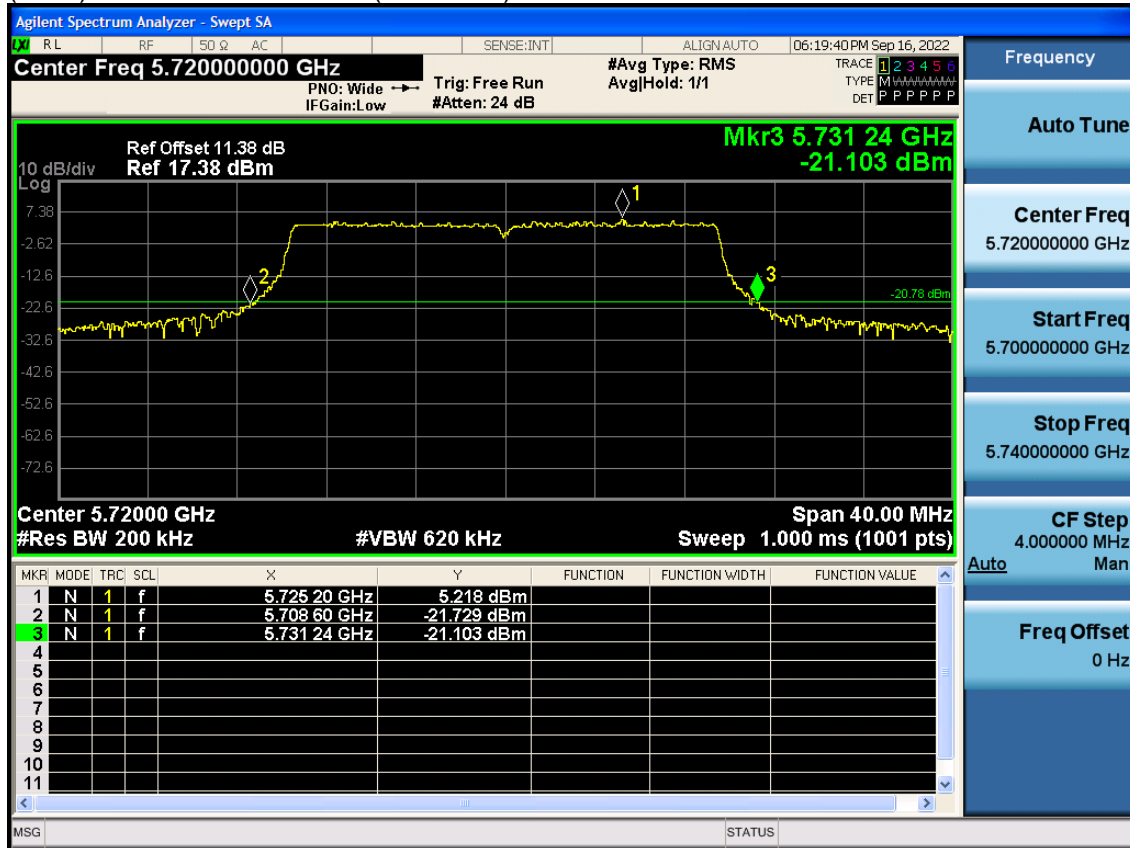
### 5.1 26dB Bandwidth

**Note:**

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

#### 5.1.1 Ant1

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



UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5708.6	16.40

**Note:**

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

(26 dB) Bandwidth 20M Ch.144(5720 MHz) 106 Tones RU 54

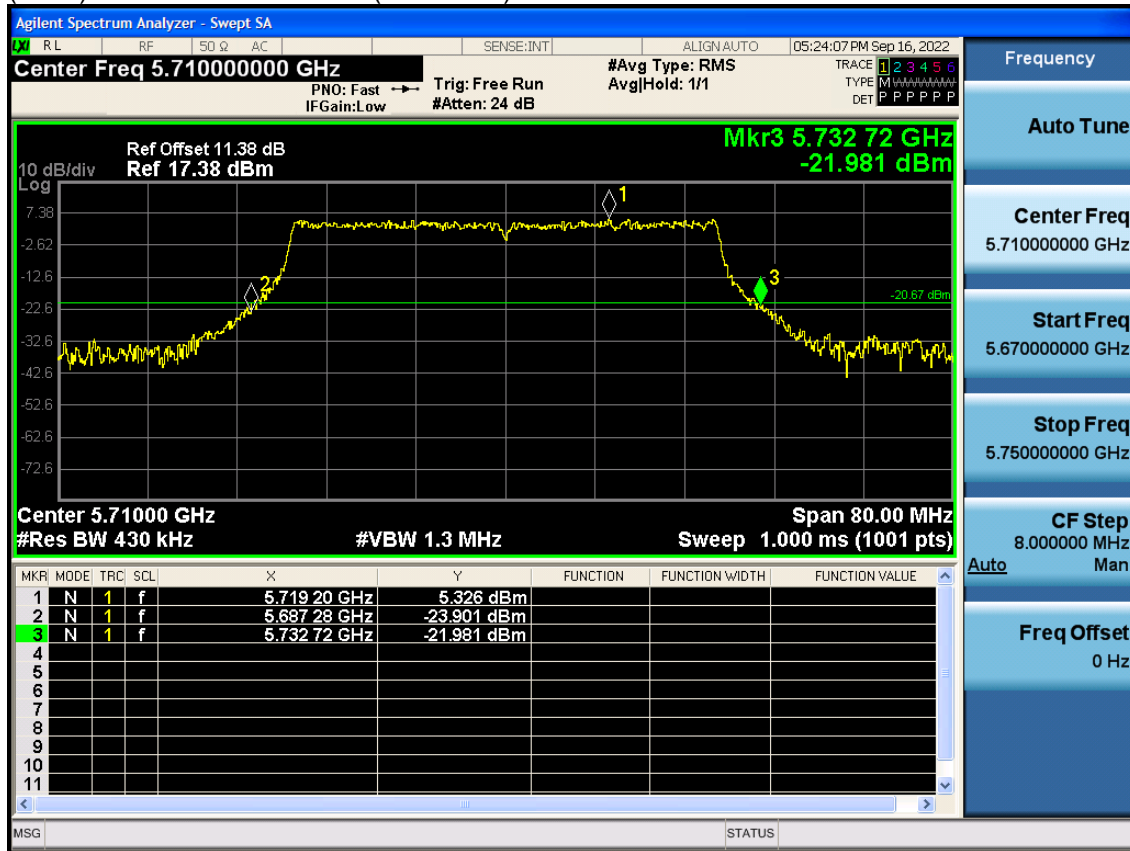


UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5731.28	5725	6.28

**Note:**

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

(26dB) Bandwidth 40M Ch.142(5710 MHz) 484 Tones RU 65



UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5687.28	37.72
UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5732.72	5725	7.72

**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	5645.2	79.80

**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]
	5734.48	5725	9.48

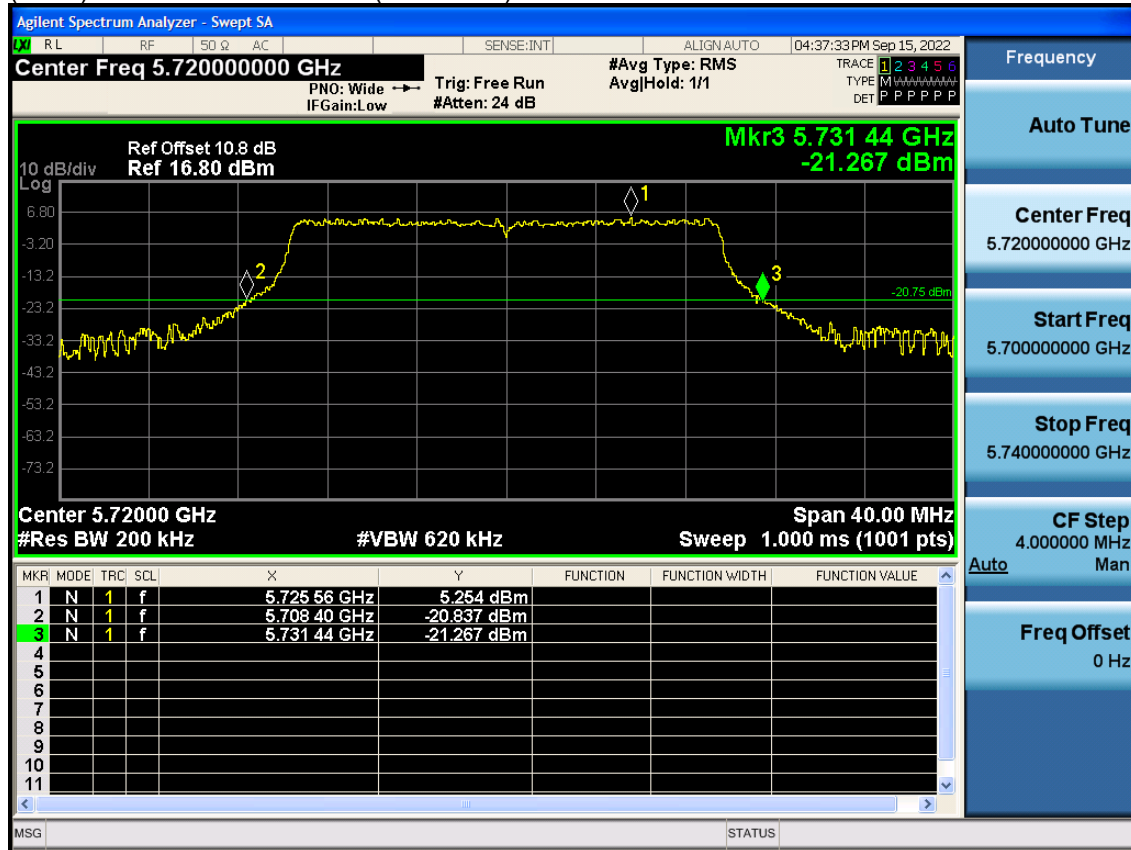
**Note:**

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



### 5.1.2 Ant2

(26dB) Bandwidth 20M Ch.144(5720 MHz) 242 Tones RU 61

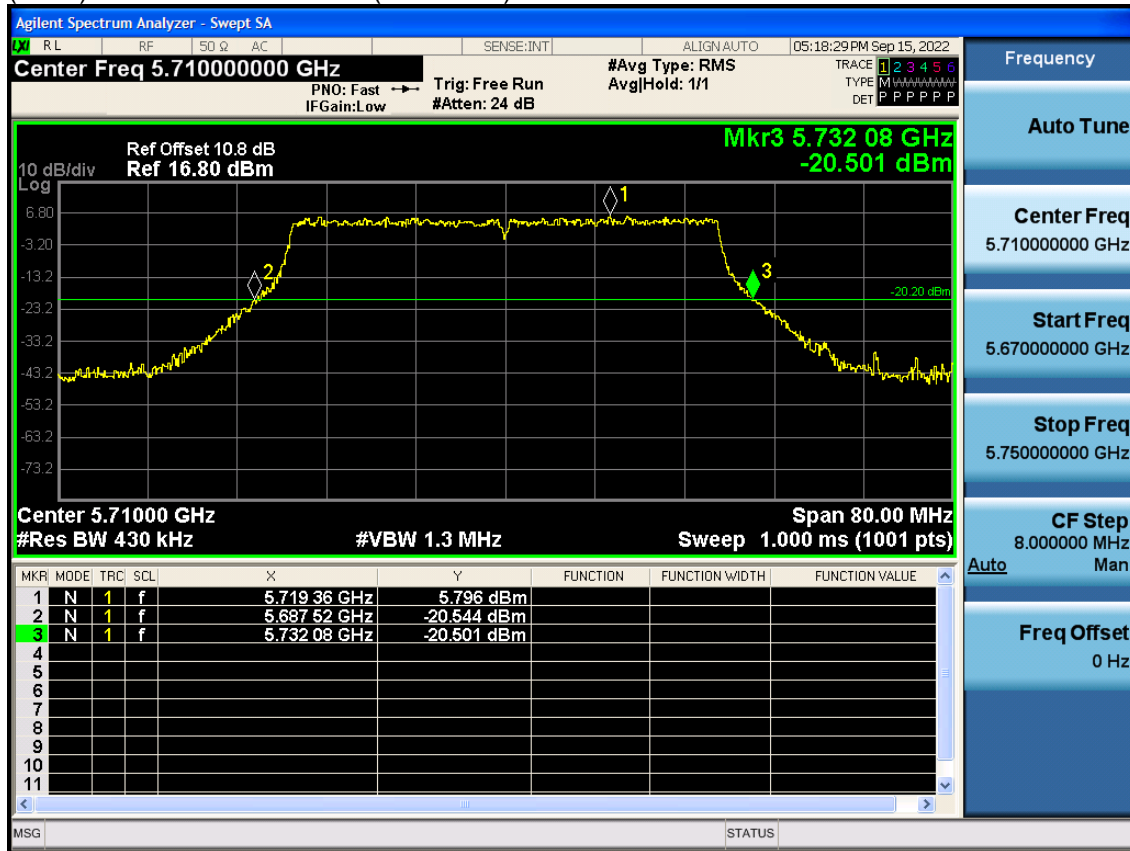


UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5708.4	16.60
UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5731.44	5725	6.44

**Note:**

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

(26dB) Bandwidth 40M Ch.142(5710 MHz) 484 Tones RU 65



UNII 2C	Straddle Frequency [MHz]	Measured Frequency [MHz]	26dB Bandwidth [MHz]
	5725	5687.52	37.48

**Note:**

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

(26dB) Bandwidth 40M Ch.142(5710 MHz) 106 Tones RU 56

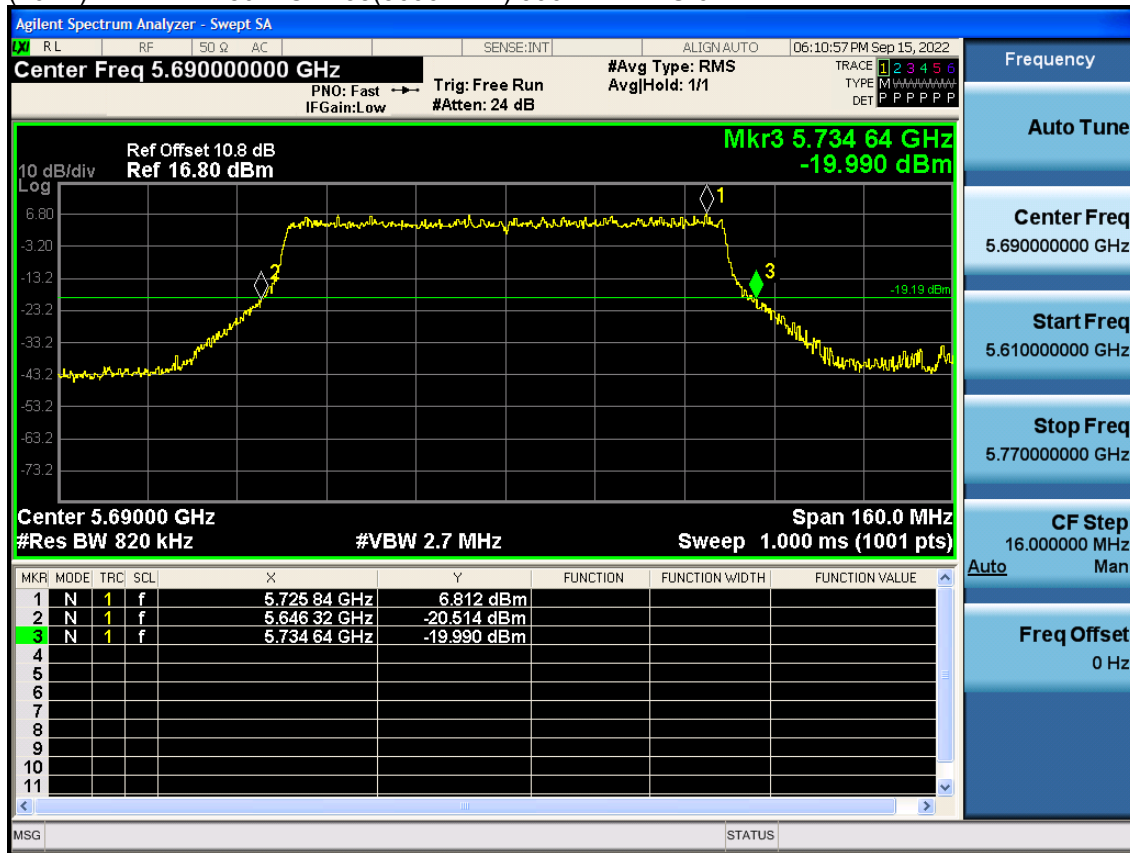


UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
		5732.72	5725

**Note:**

1. [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	5646.32	78.68
UNII 3	Measured Frequency [MHz]	Straddle Frequency [MHz]	26dB Bandwidth [MHz]
	5734.64	5725	9.64

**Note:**

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

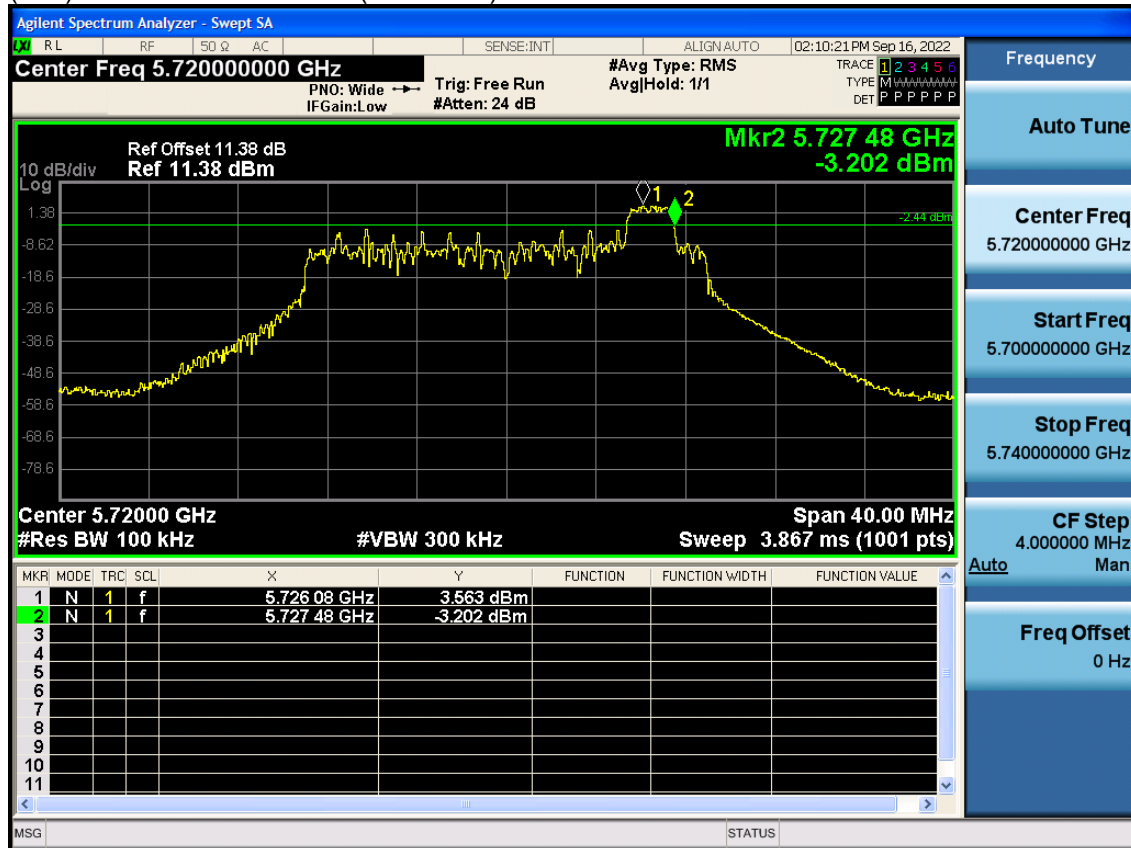
## 5.2 6dB Bandwidth

**Note:**

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

### 5.2.1 Ant1

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



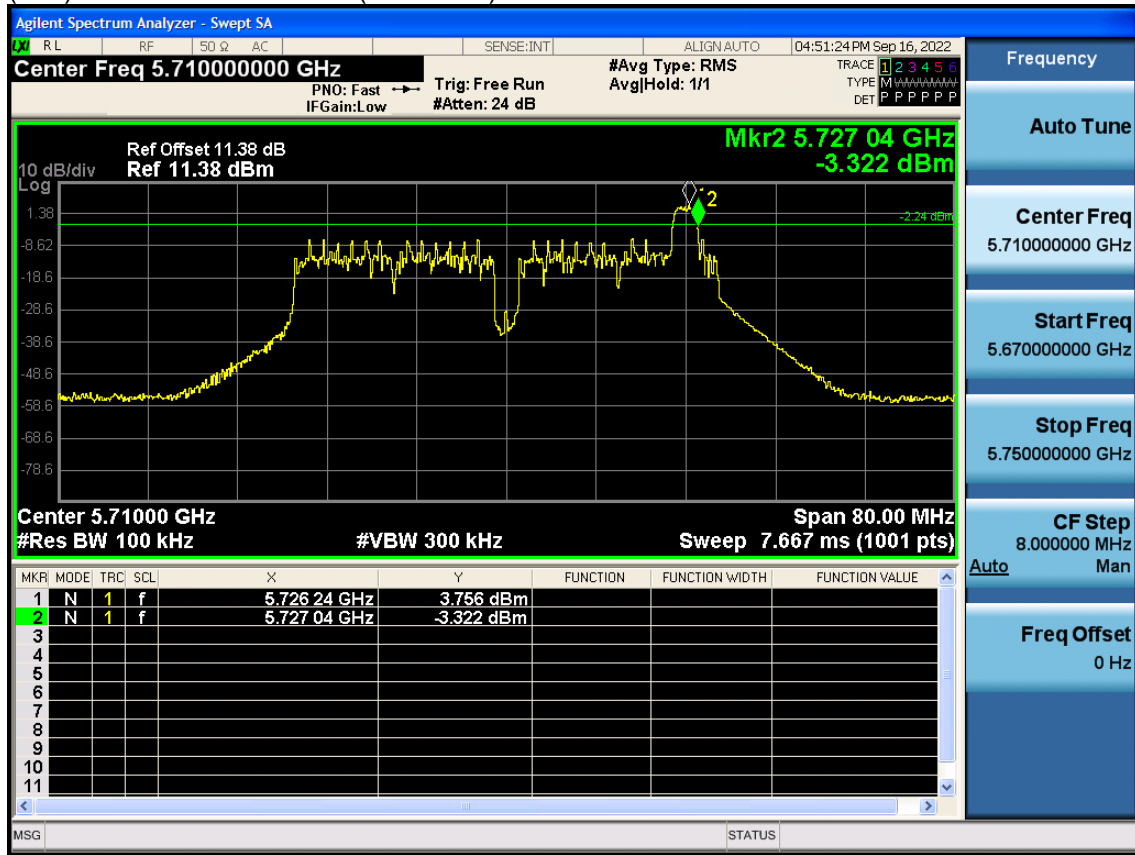
Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.48	5725	2.48

**Note:**

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



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

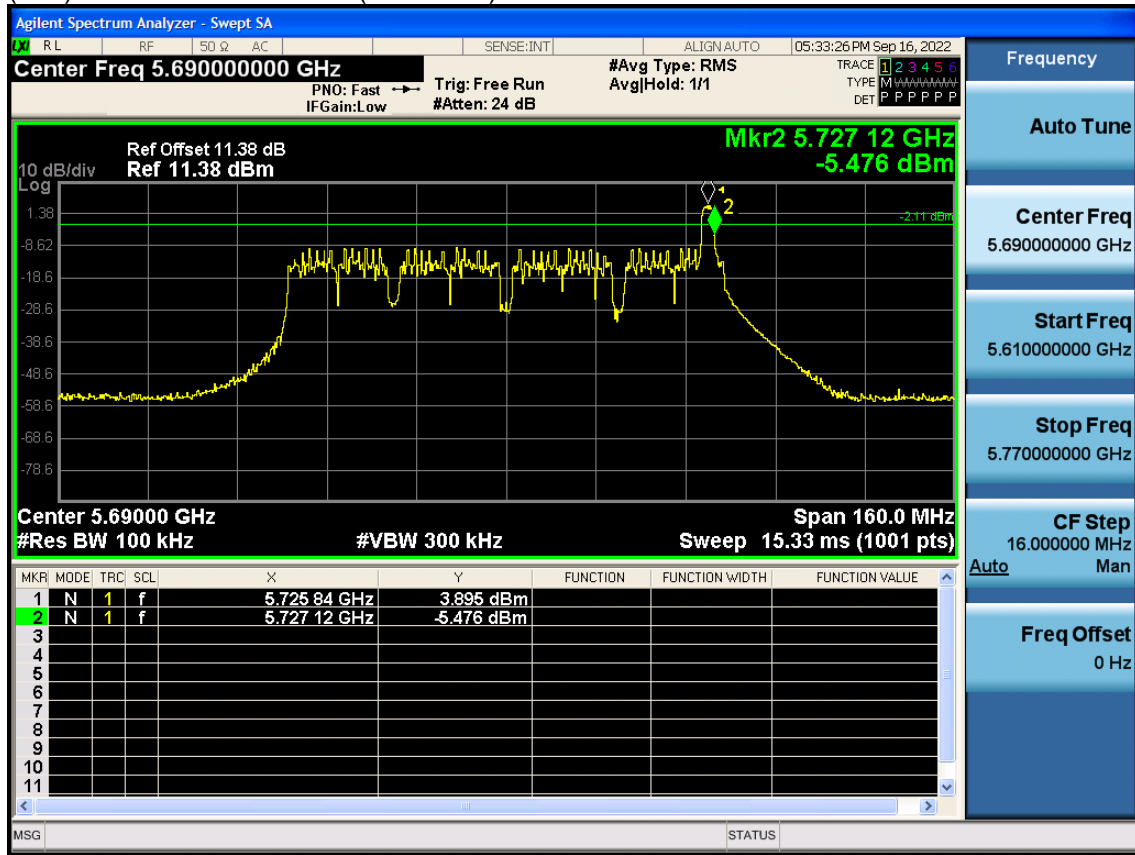


Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.04	5725	2.04

**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 Ant2

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

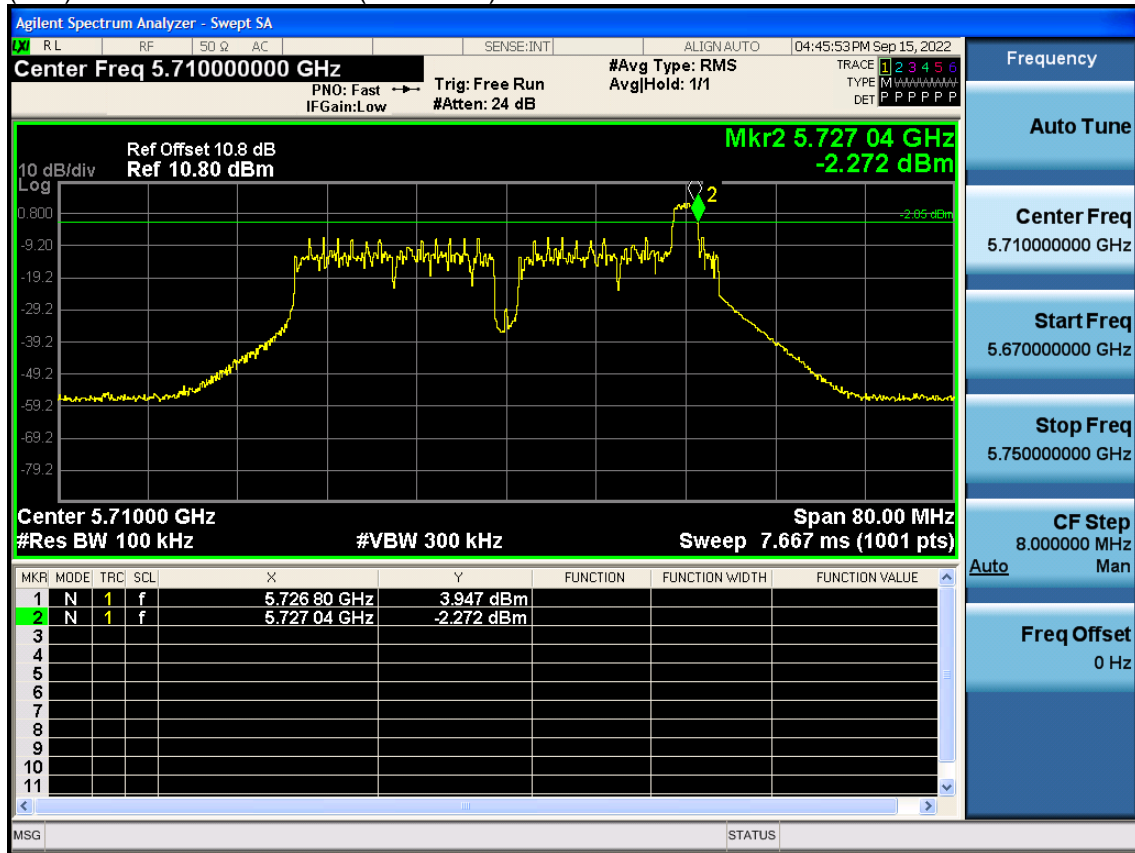


Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.52	5725	2.52

**Note:**

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

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

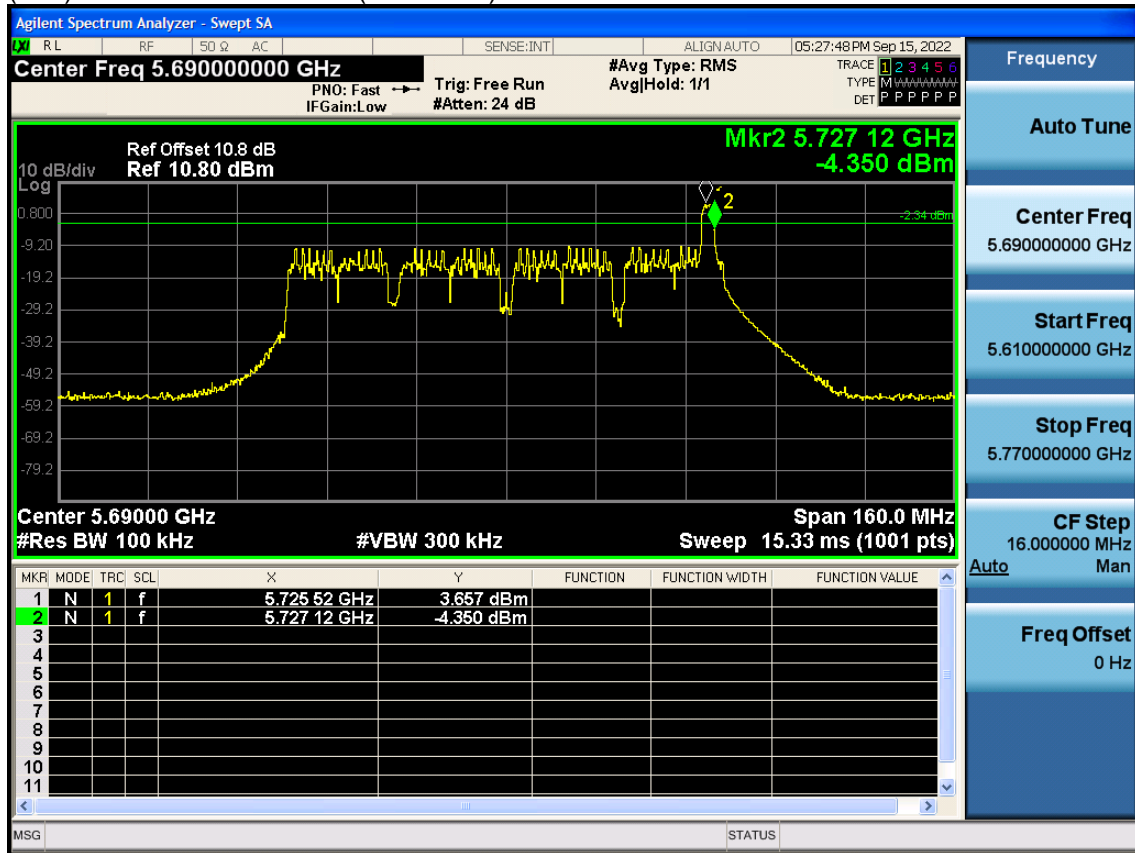


Measured Frequency [MHz]	Straddle Frequency [MHz]	6dB Bandwidth [MHz]
5727.04	5725	2.04

**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



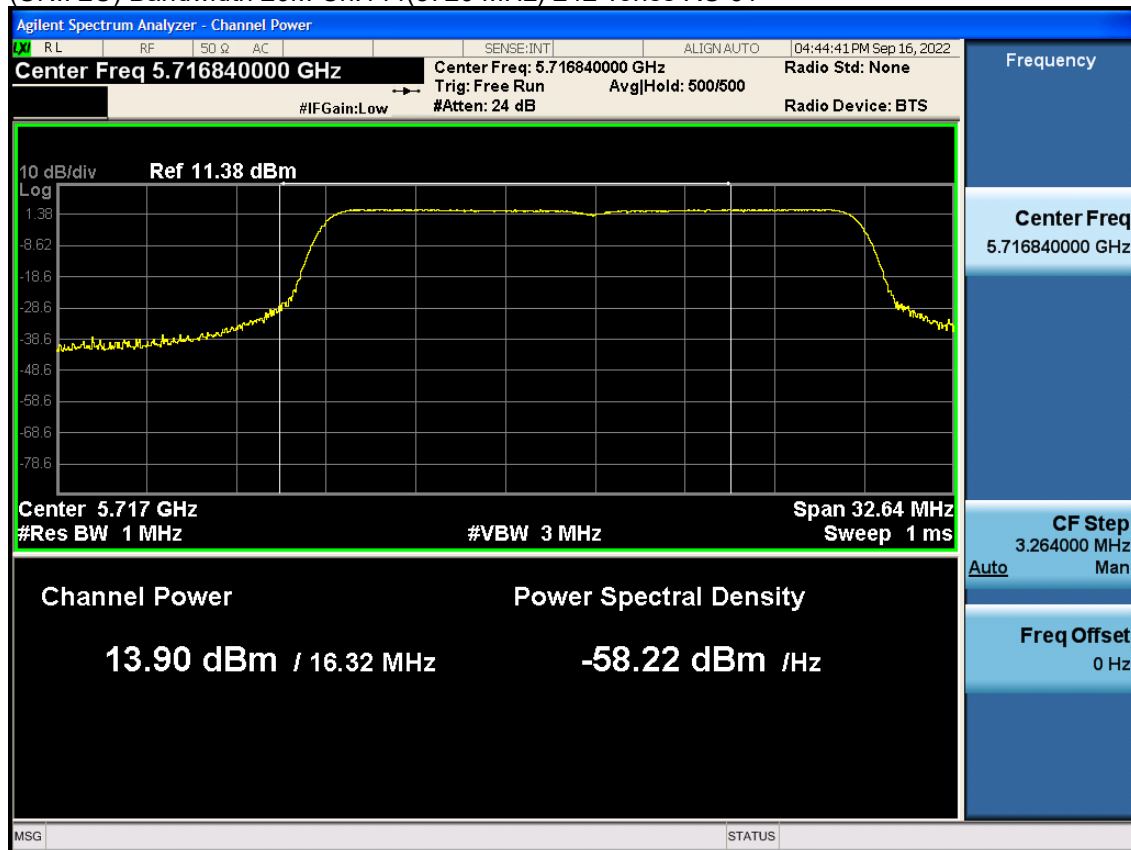
### 5.3 Output Power

**Note:**

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

#### 5.3.1 Ant1

(UNII 2C) Bandwidth 20M Ch.144(5720 MHz) 242 Tones RU 61

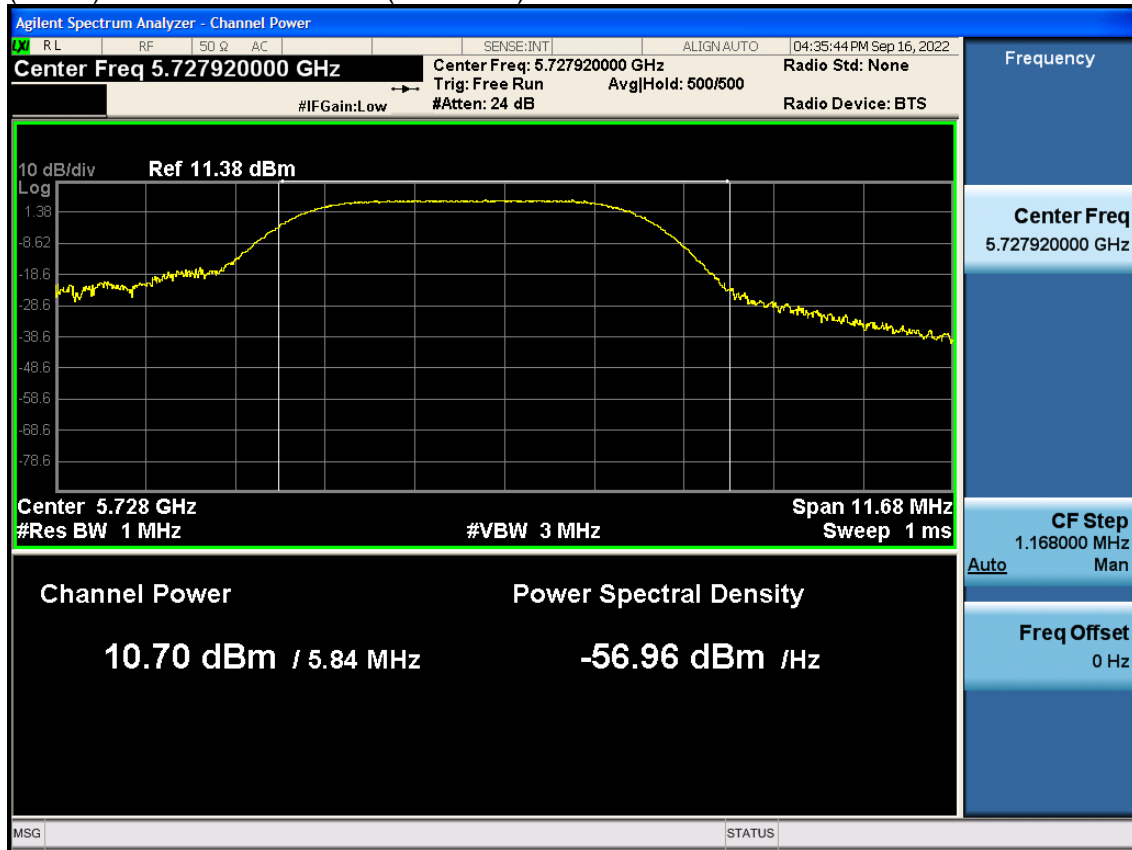


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
13.90	0.030	13.93

**Note:**

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

(UNII 3) Bandwidth 20M Ch.144(5720 MHz) 52 Tones RU 40

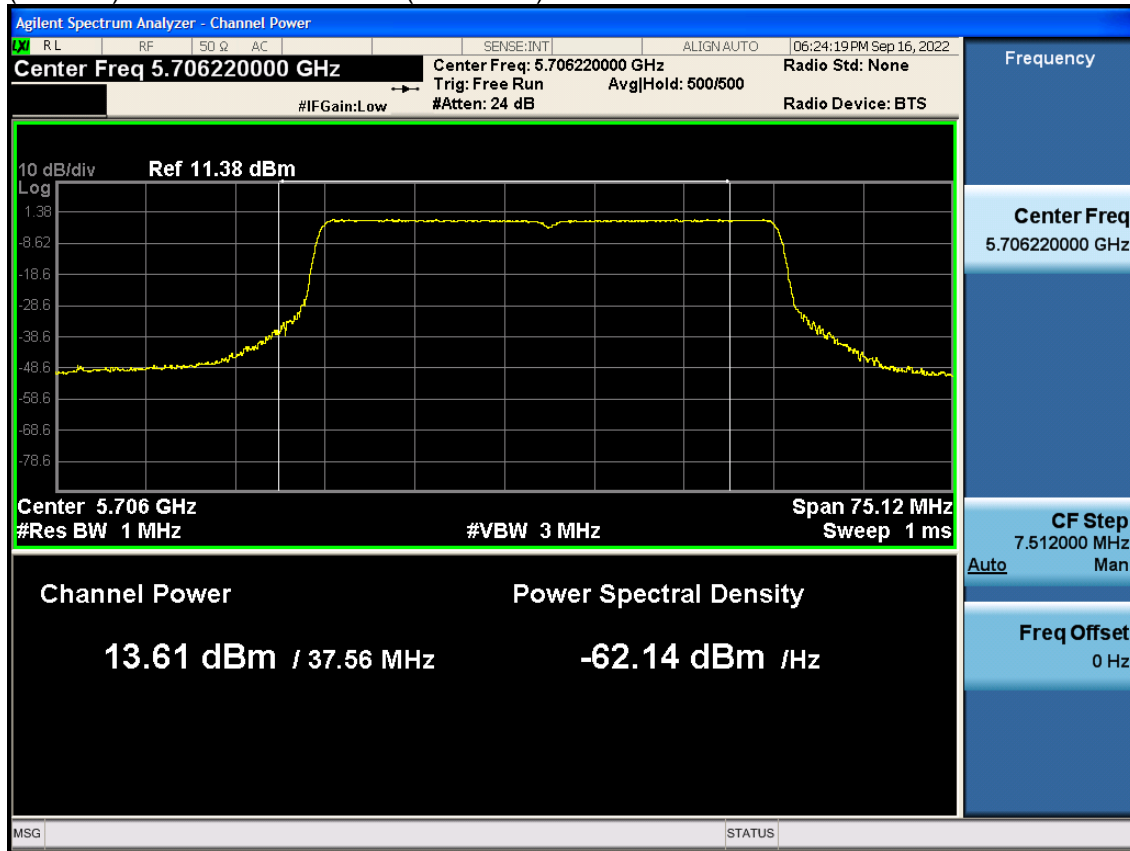


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
10.70	0.030	10.73

**Note:**

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

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

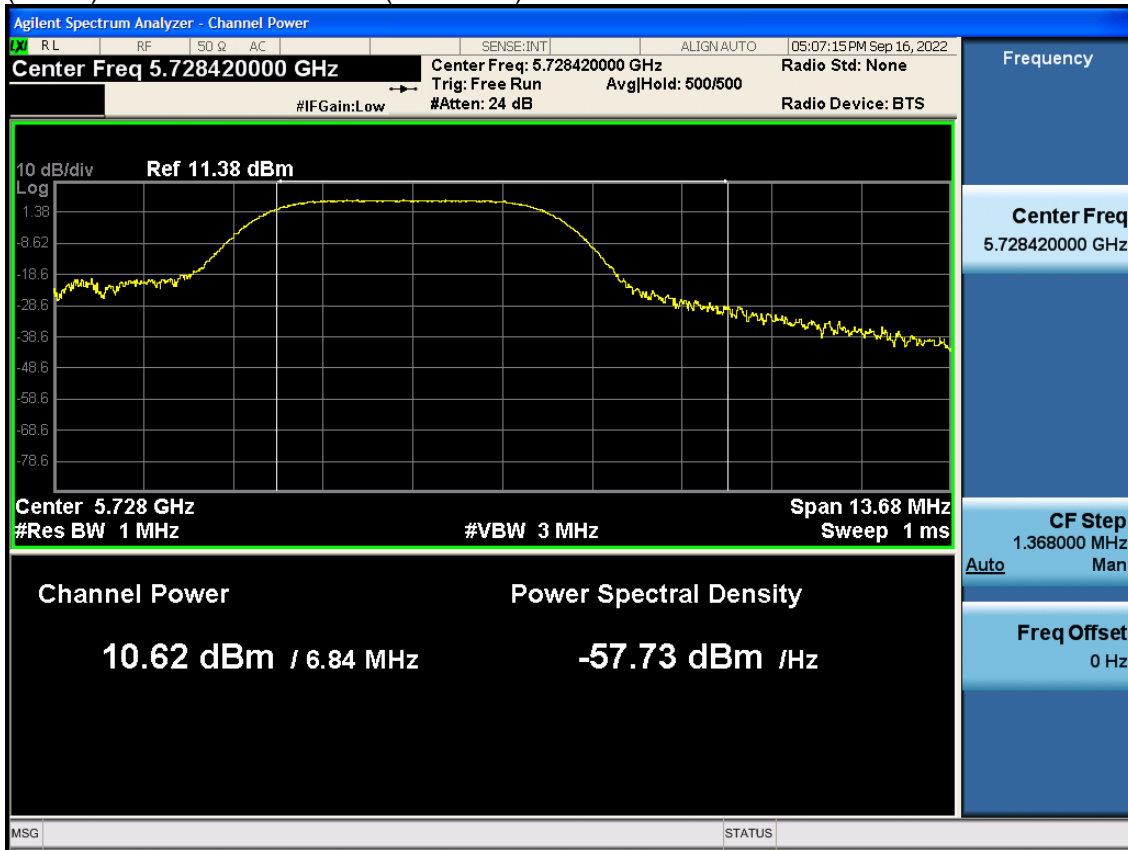


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
13.61	0.030	13.64

**Note:**

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

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

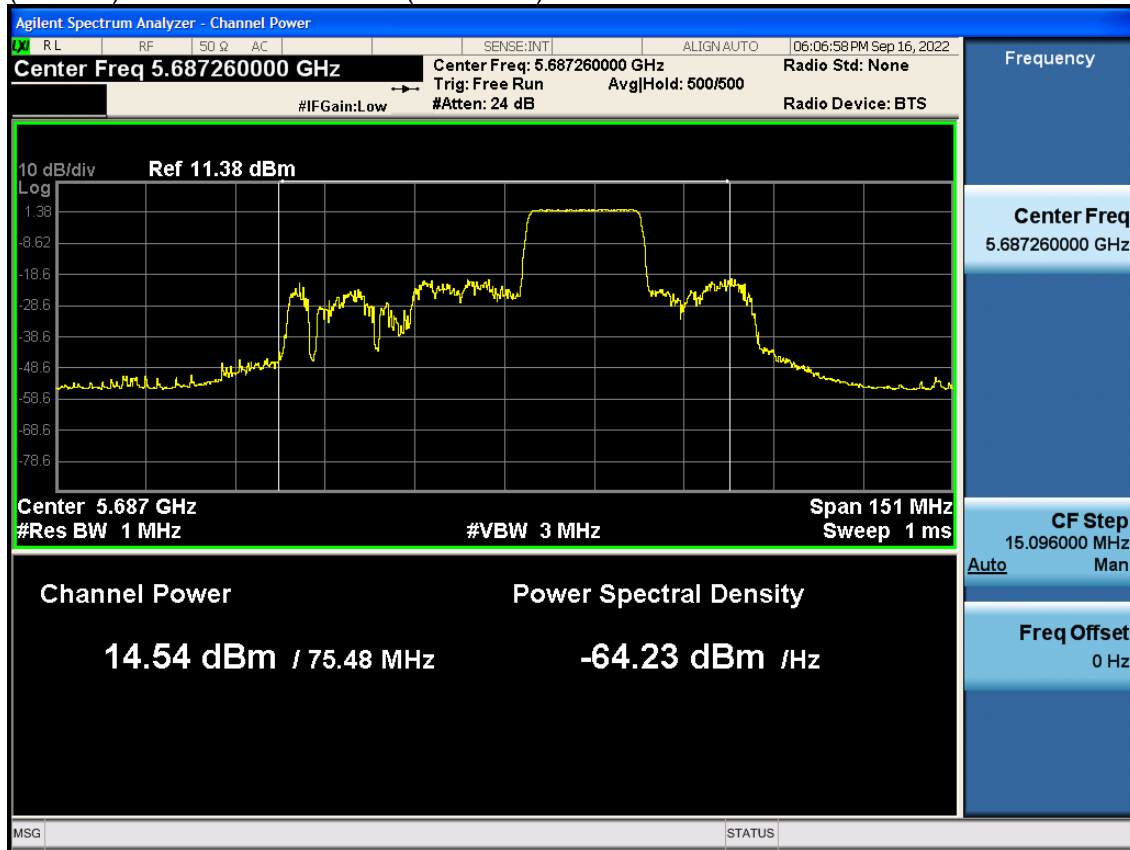


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
10.62	0.030	10.65

**Note:**

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

(UNII 2C) Bandwidth 80M Ch.138(5690 MHz) 242 Tones RU 63

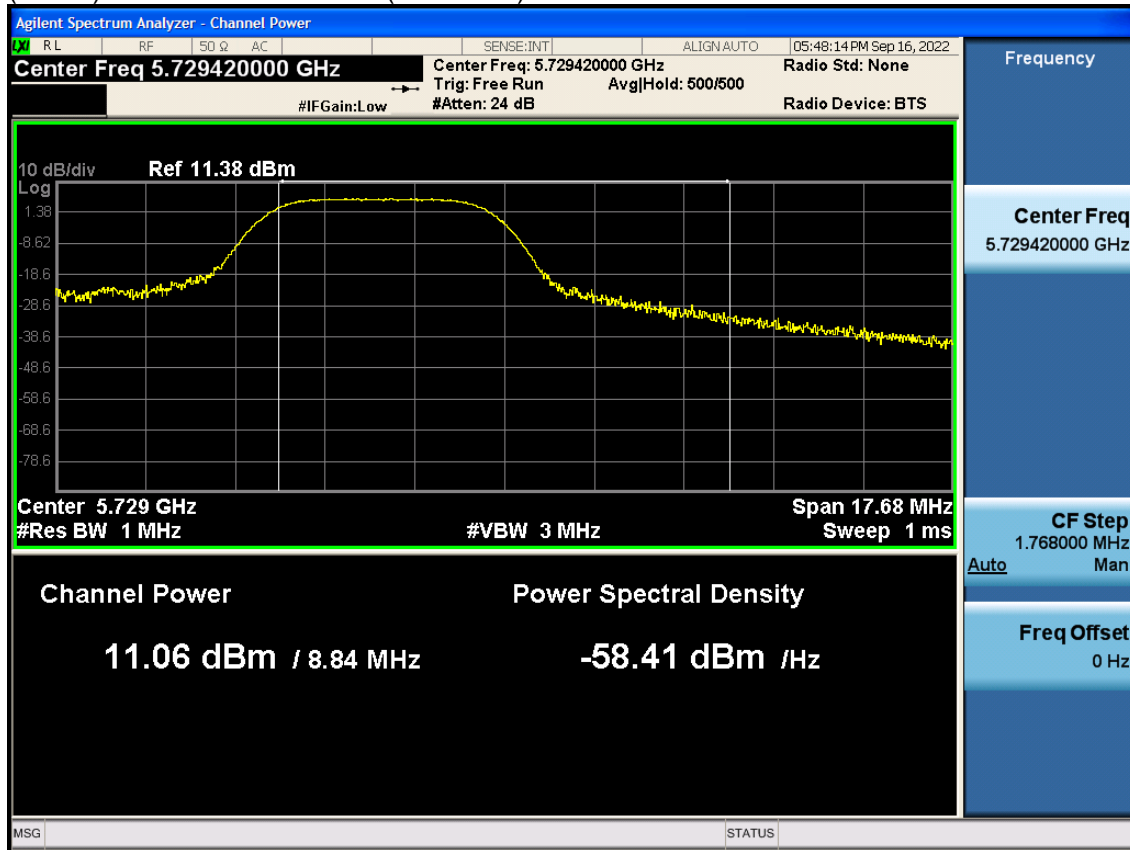


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
14.54	0.030	14.57

**Note:**

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

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



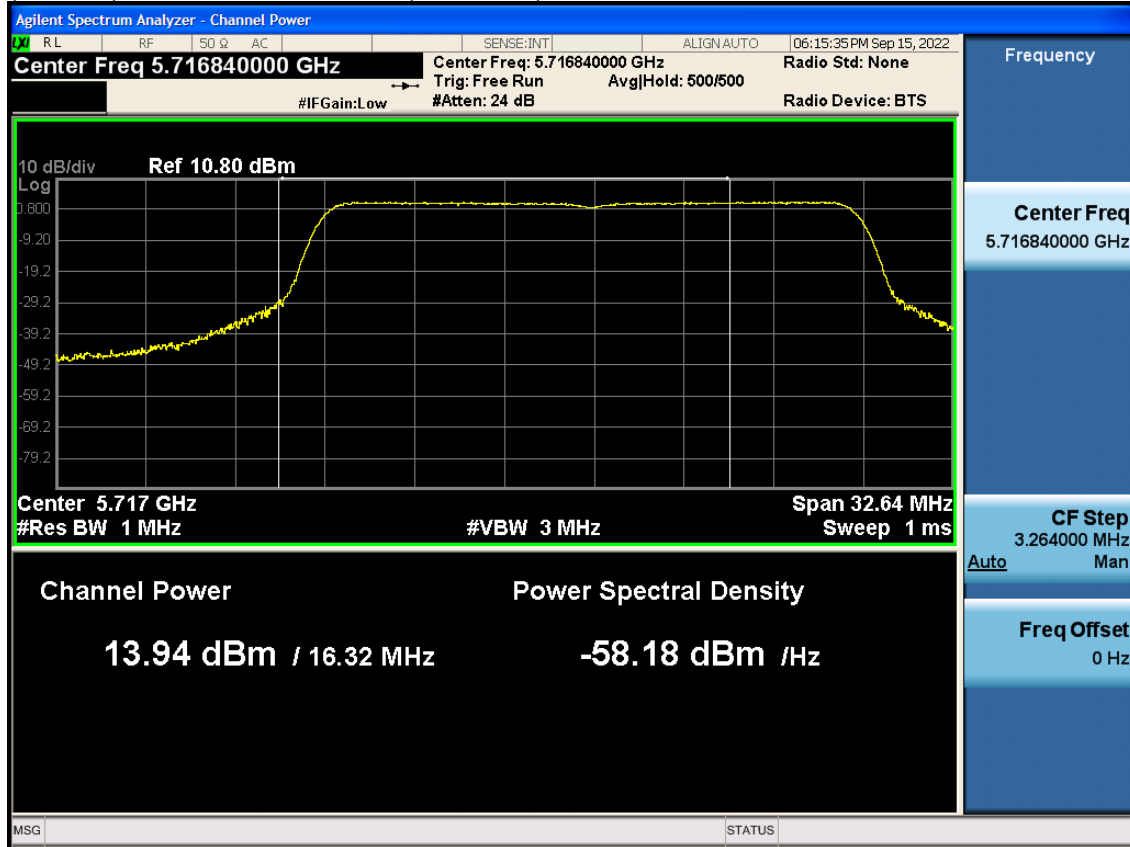
Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
11.06	0.030	11.09

**Note:**

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

### 5.3.2 Ant2

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

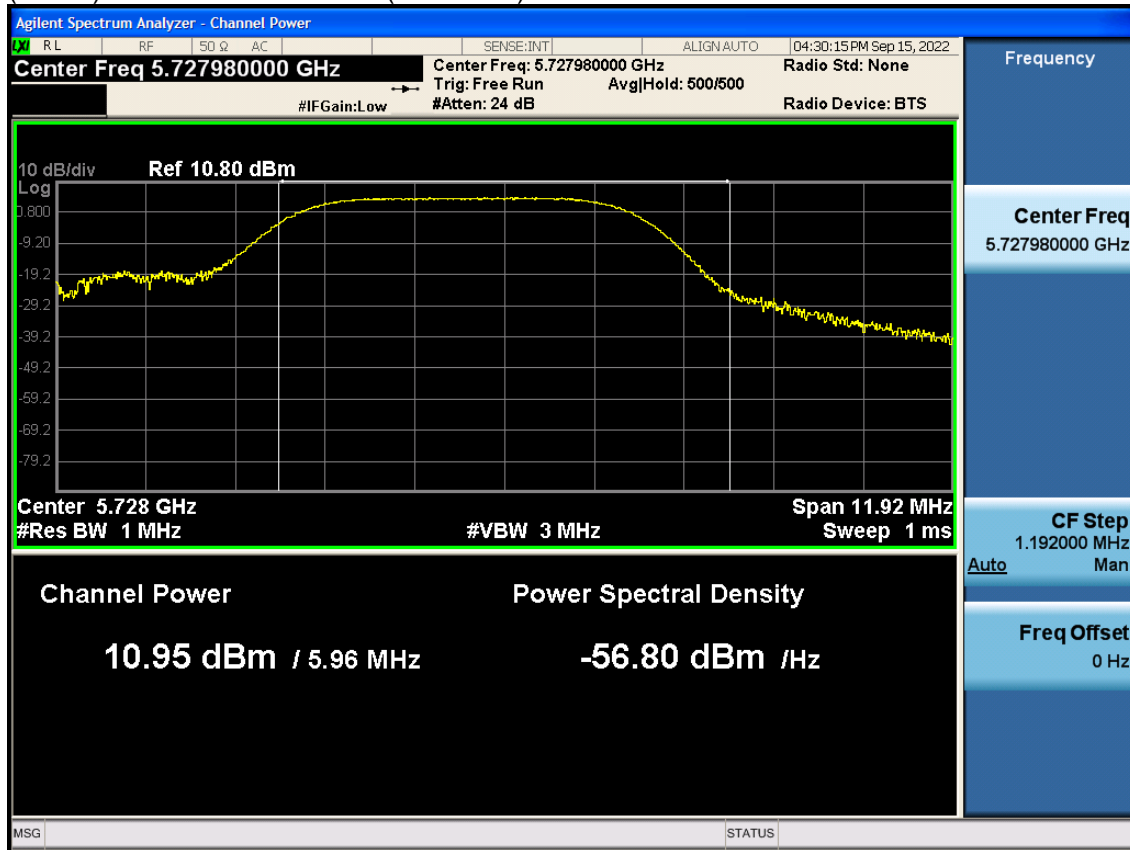


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
13.94	0.030	13.97

**Note:**

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

(UNII 3) Bandwidth 20M Ch.144(5720 MHz) 52 Tones RU 40



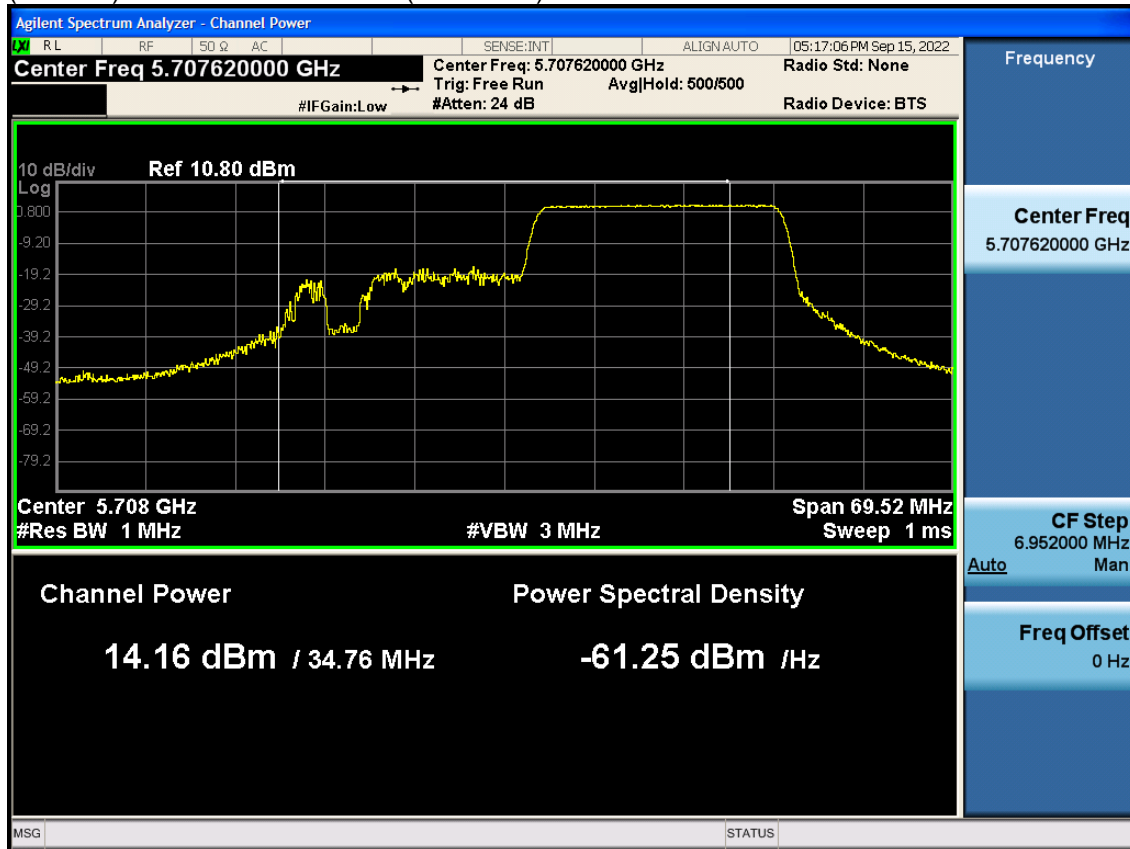
Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
10.95	0.030	10.98

**Note:**

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



(UNII 2C) Bandwidth 40M Ch.142(5710 MHz) 242 Tones RU 62

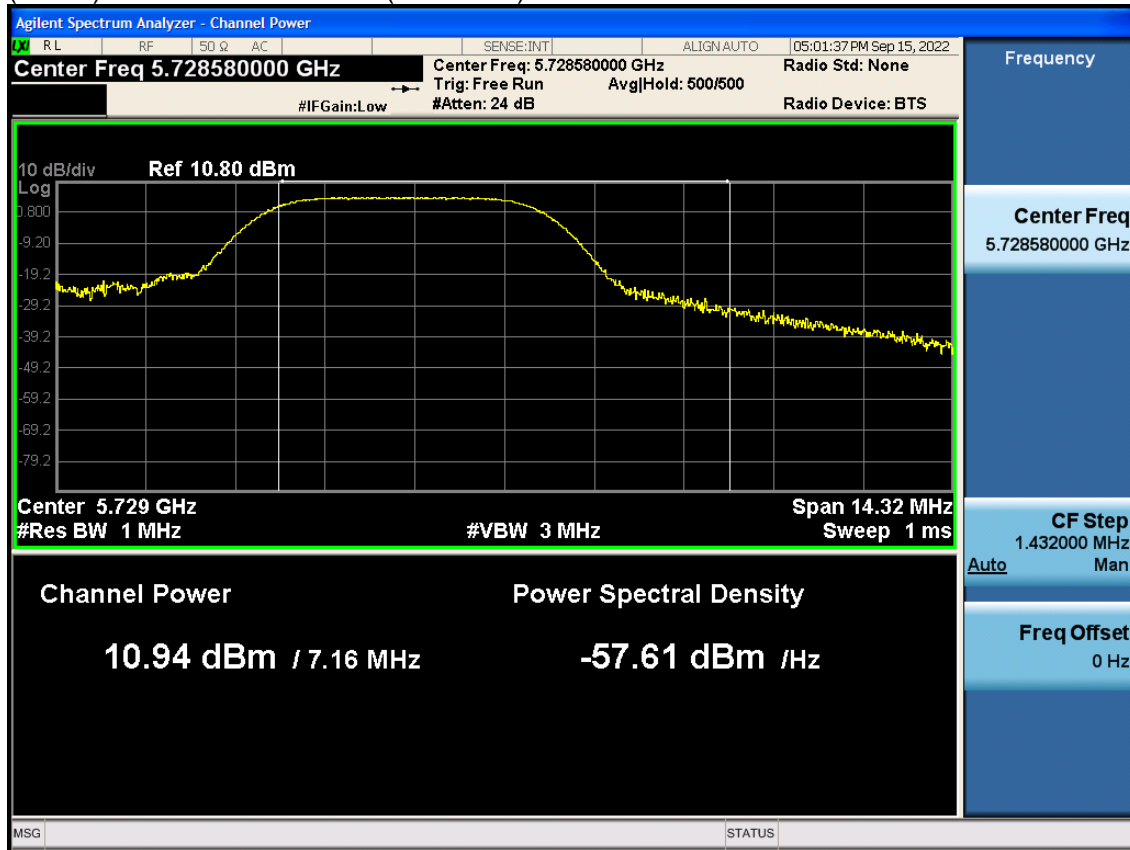


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
14.16	0.030	14.19

**Note:**

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

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

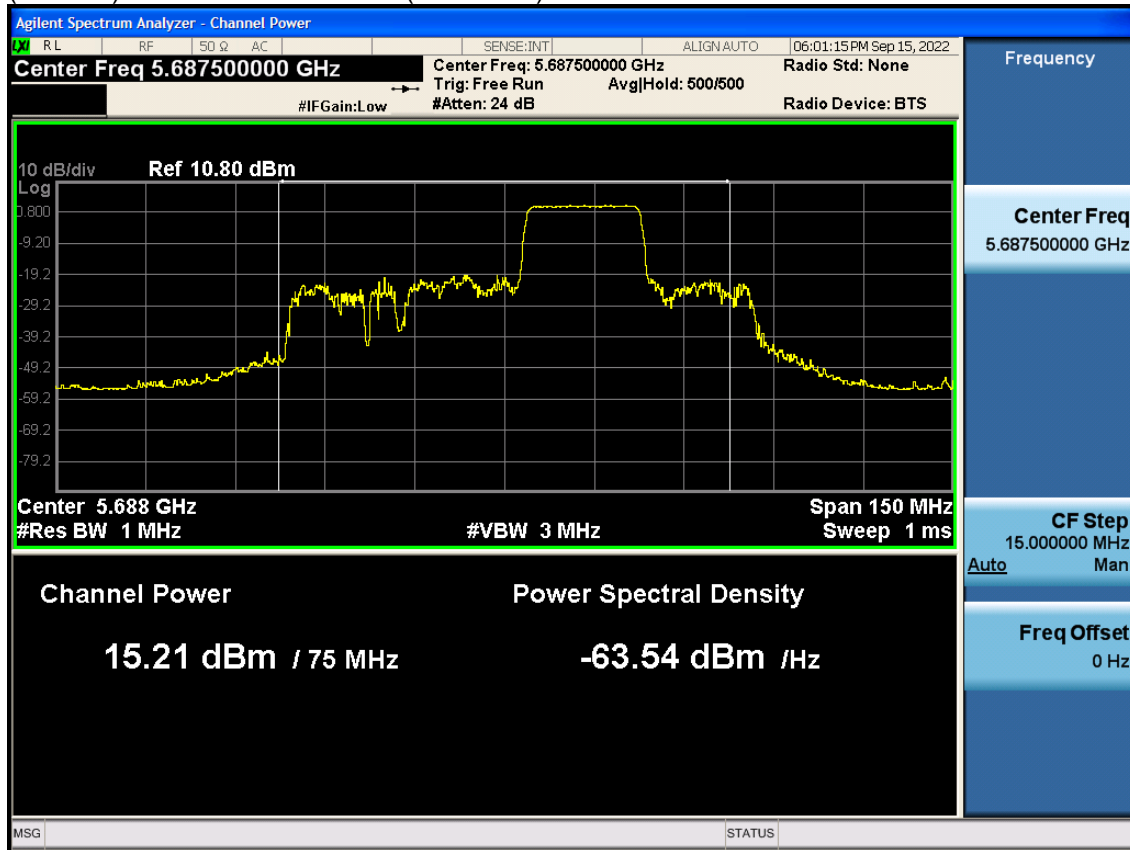


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
10.94	0.030	10.97

**Note:**

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

(UNII 2C) Bandwidth 80M Ch.138(5690 MHz) 242 Tones RU 63

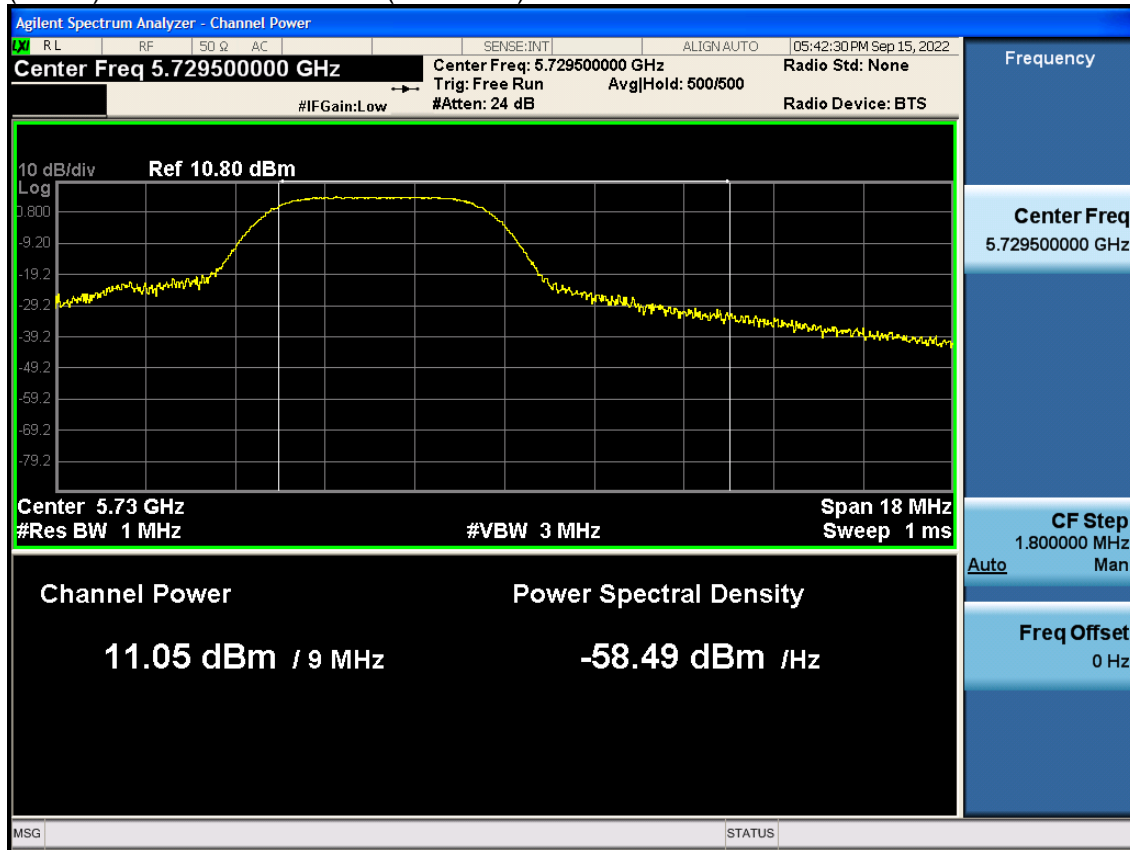


Measured Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)
15.21	0.030	15.24

**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)
11.05	0.030	11.08

**Note:**

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

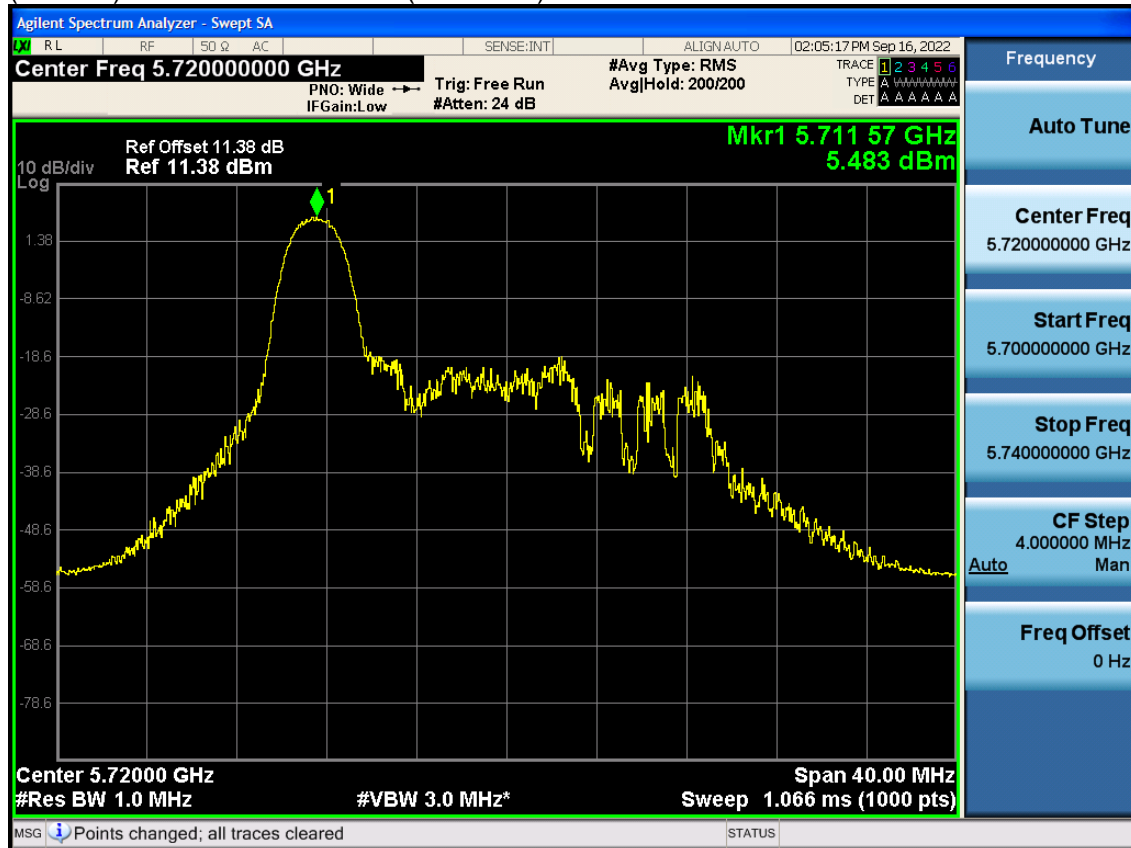
### 5.4 Power Spectral Density

**Note:**

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

#### 5.4.1 Ant1

(UNII 2C) Bandwidth 20M Ch.144(5720 MHz) 26 Tones RU 0

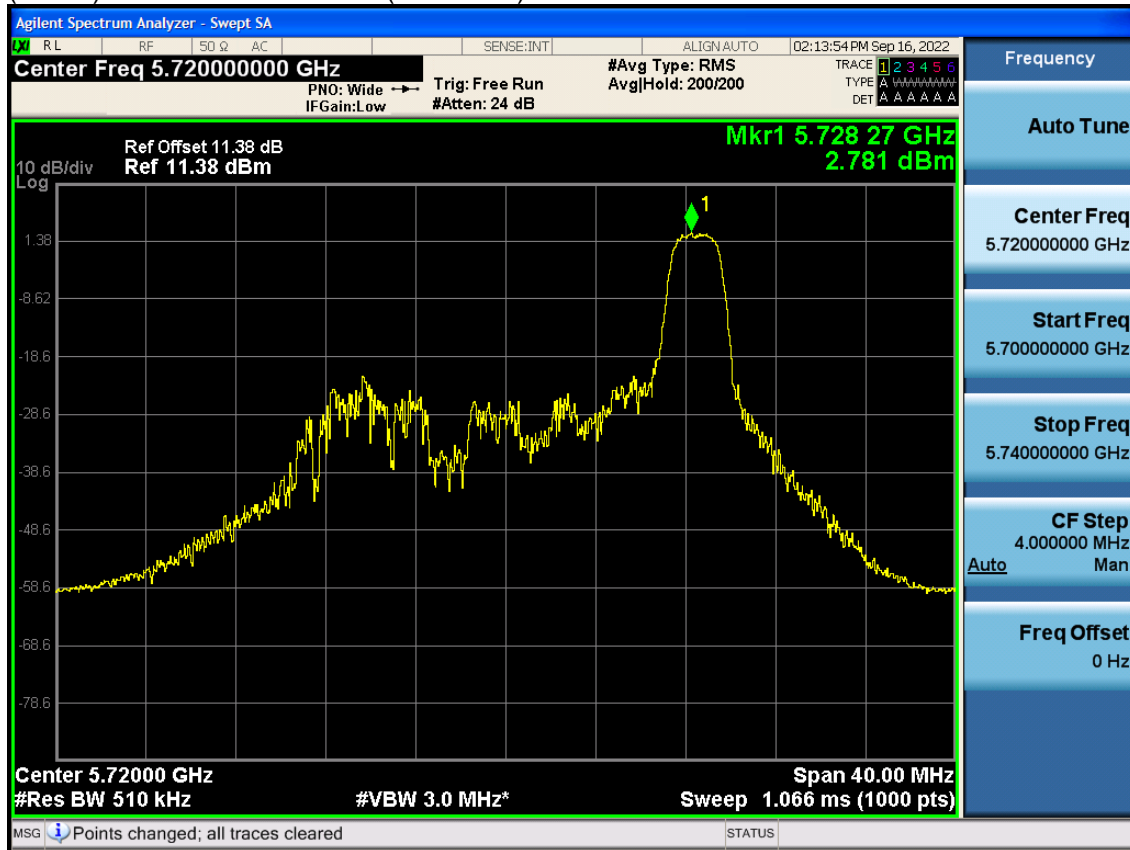


Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
5.483	0.030	5.513

**Note:**

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

(UNII 3) Bandwidth 20M Ch.144(5720 MHz) 26 Tones RU 8



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
2.781	0.030	2.811

**Note:**

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

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

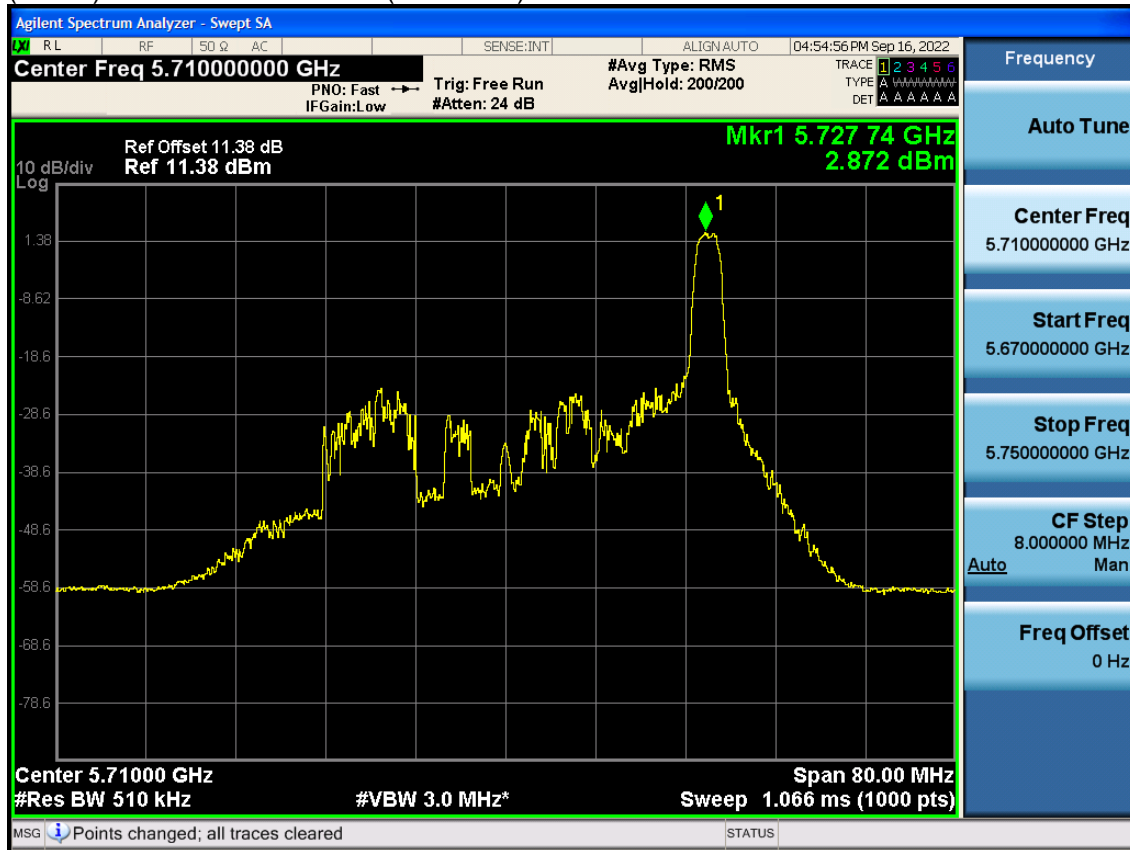


Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
5.545	0.030	5.575

**Note:**

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

(UNII 3) Bandwidth 40M Ch.142(5710 MHz) 26 Tones RU 17



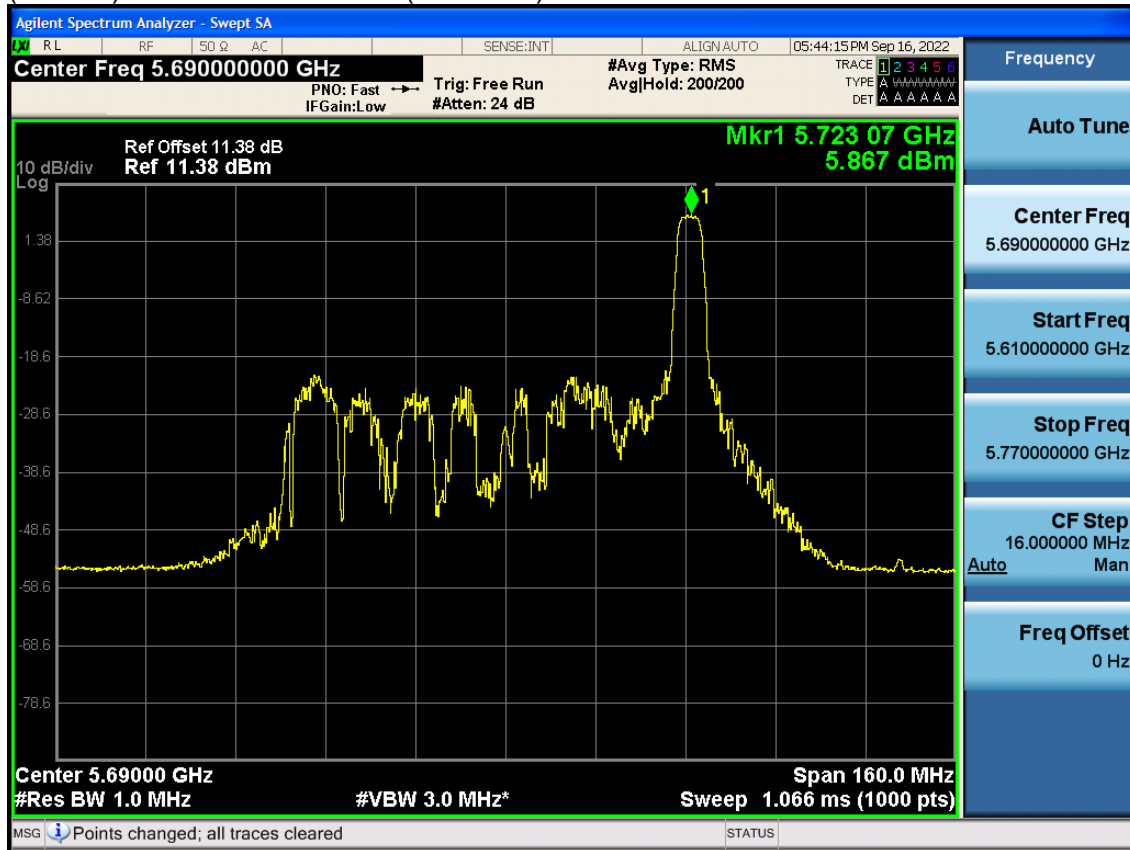
Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
2.872	0.030	2.902

**Note:**

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



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

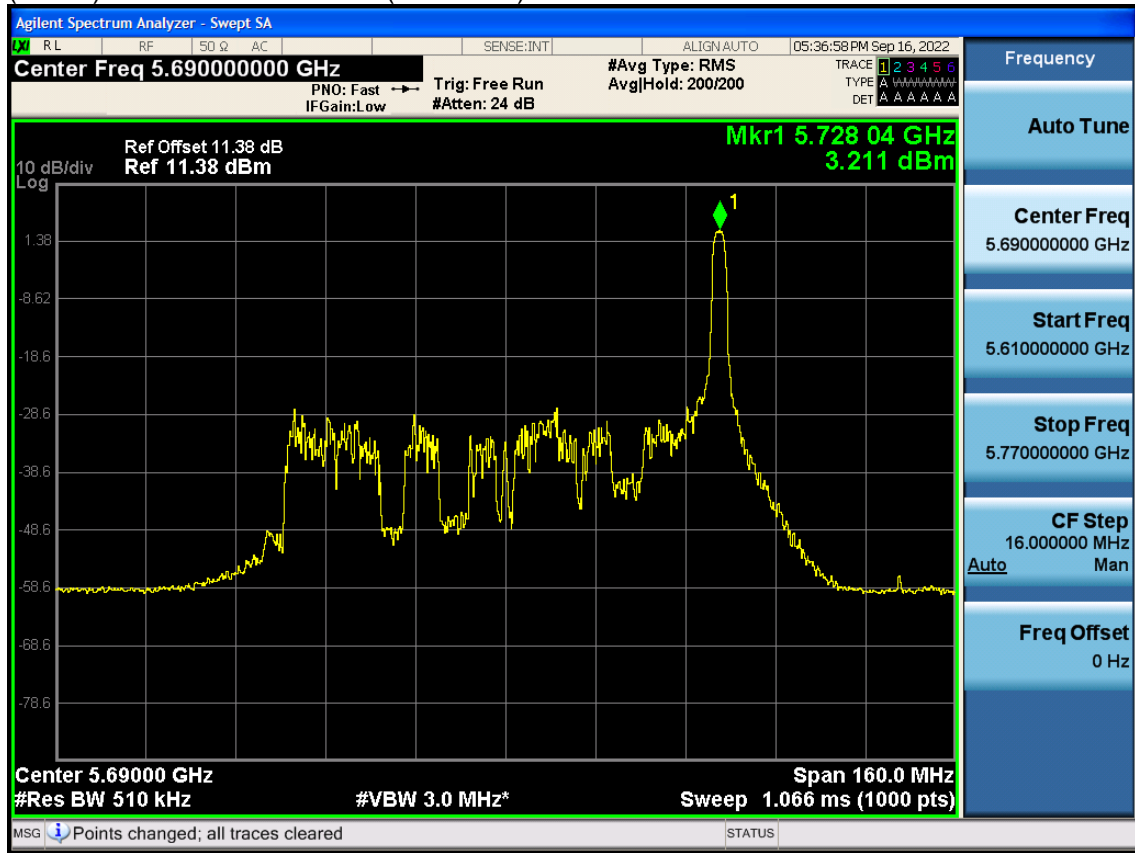


Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
5.867	0.030	5.897

**Note:**

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

(UNII 3) Bandwidth 80M Ch.138(5690 MHz) 26 Tones RU 36



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
3.211	0.030	3.241

**Note:**

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

### 5.4.2 Ant2

(UNII 2C) Bandwidth 20M Ch.144(5720 MHz) 26 Tones RU 0

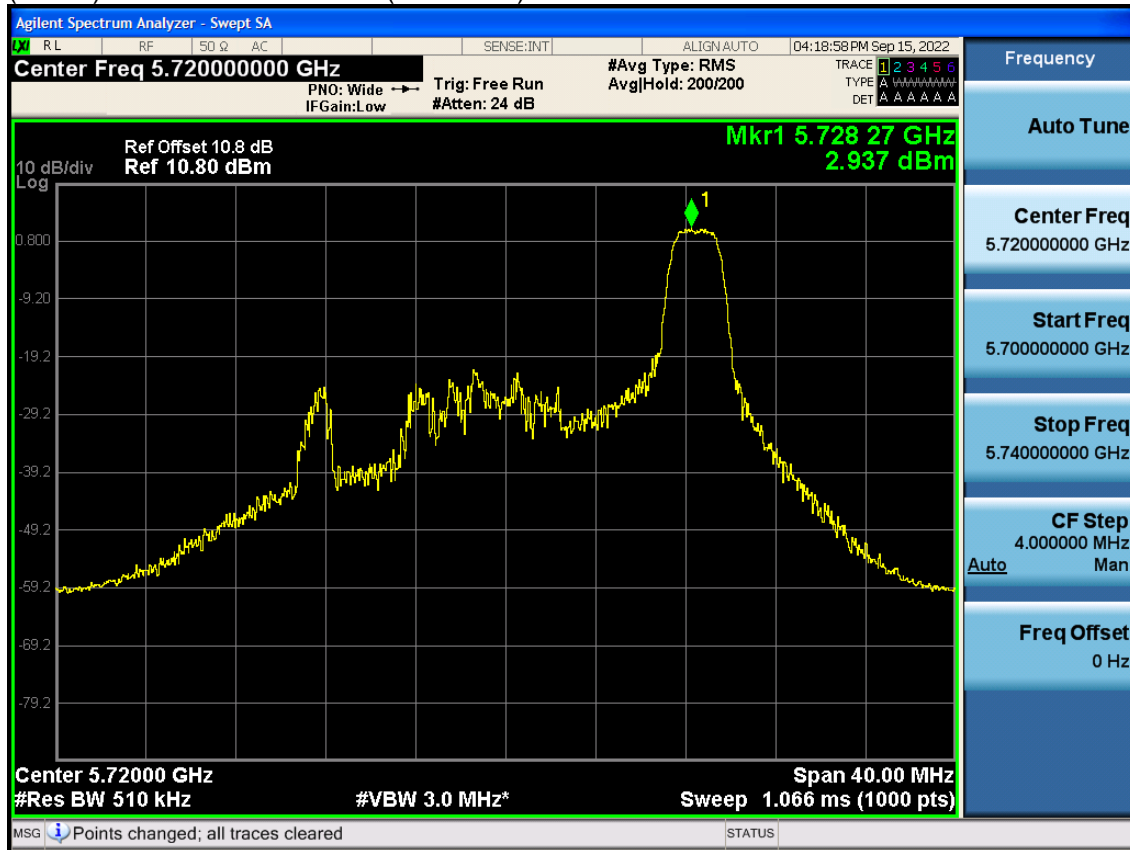


Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
5.535	0.030	5.565

**Note:**

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

(UNII 3) Bandwidth 20M Ch.144(5720 MHz) 26 Tones RU 8



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
2.937	0.030	2.967

**Note:**

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

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

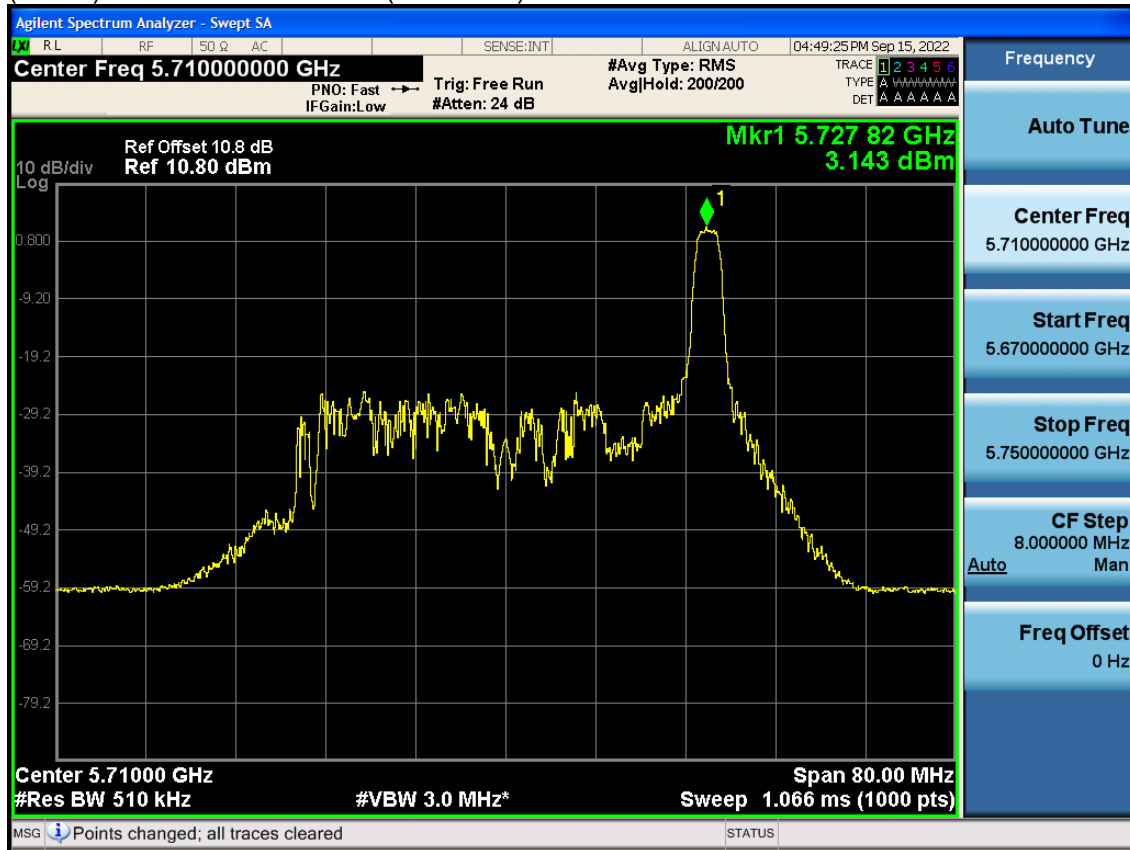


Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
5.900	0.030	5.930

**Note:**

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

(UNII 3) Bandwidth 40M Ch.142(5710 MHz) 26 Tones RU 17

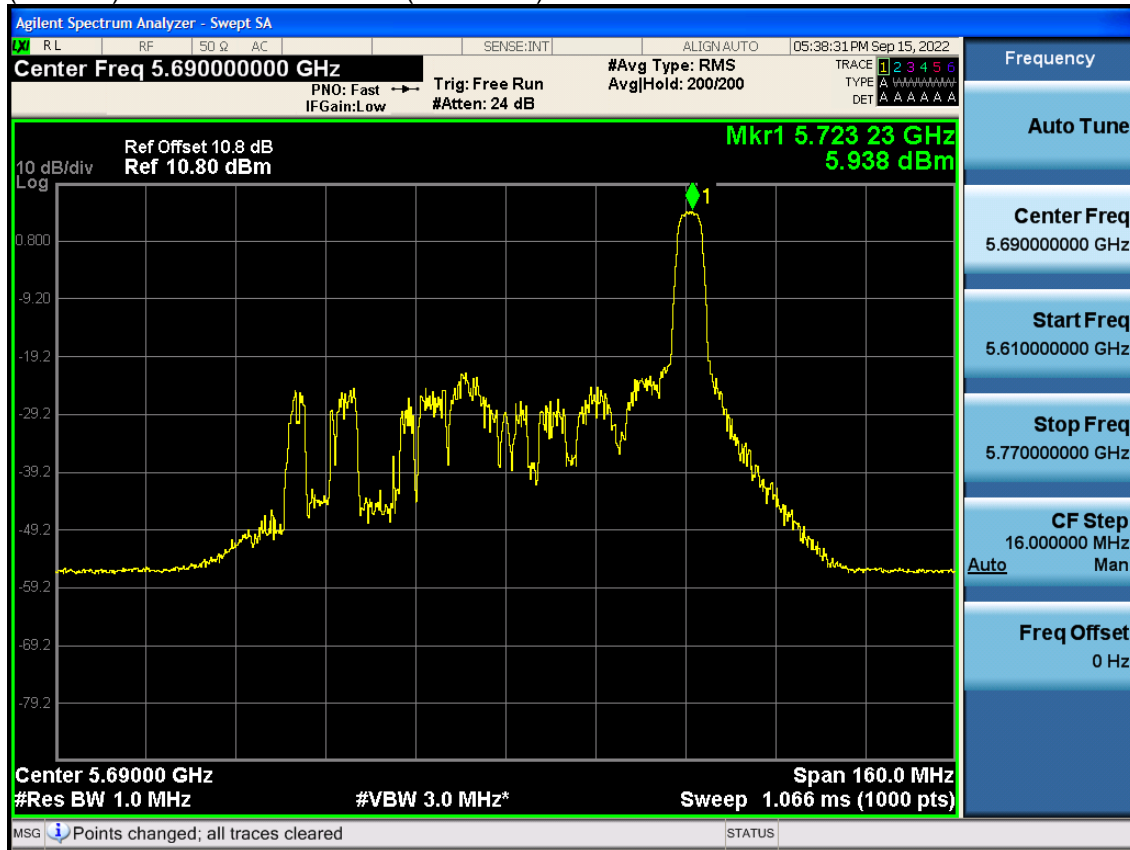


Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
3.143	0.030	3.173

**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)
5.938	0.030	5.968

**Note:**

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

(UNII 3) Bandwidth 80M Ch.138(5690 MHz) 26 Tones RU 36



Measured Value (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)
3.177	0.030	3.207

**Note:**

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