

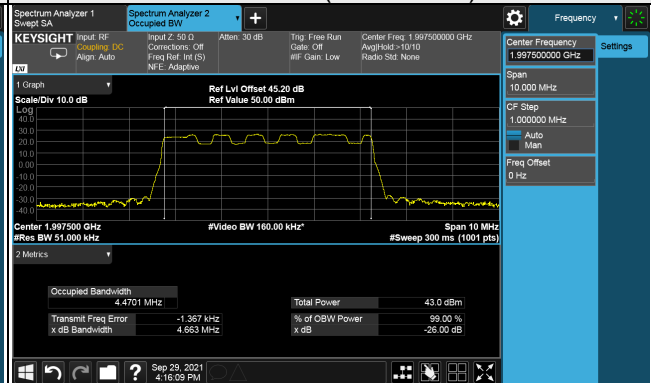
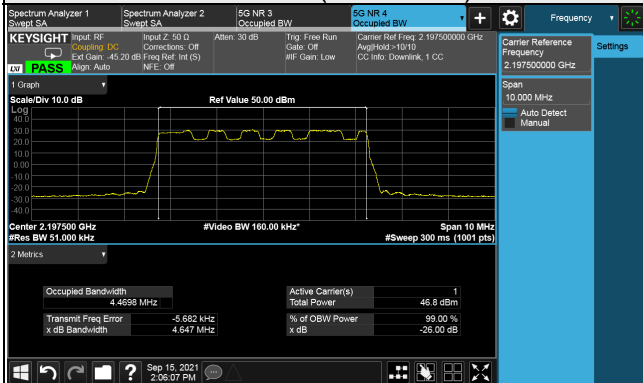
Ant. TX 3

Spectrum Plot of Worst Value

QPSK

Ch 439500 (2197.5MHz)

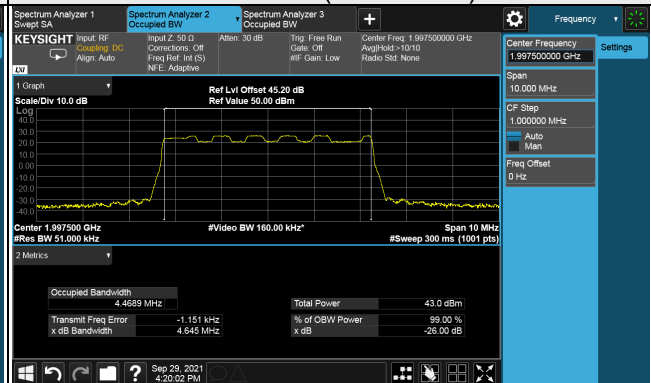
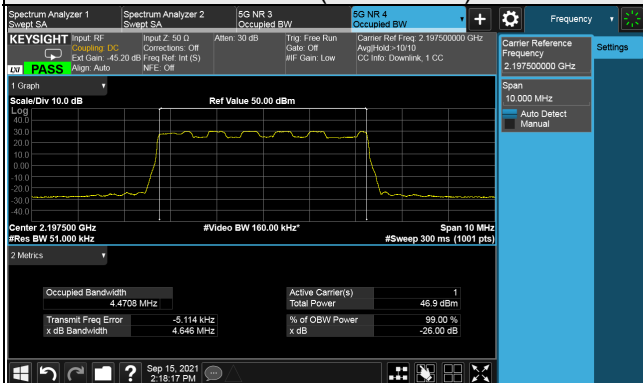
Ch 399500 (1997.5MHz)



16QAM

Ch 439500 (2197.5MHz)

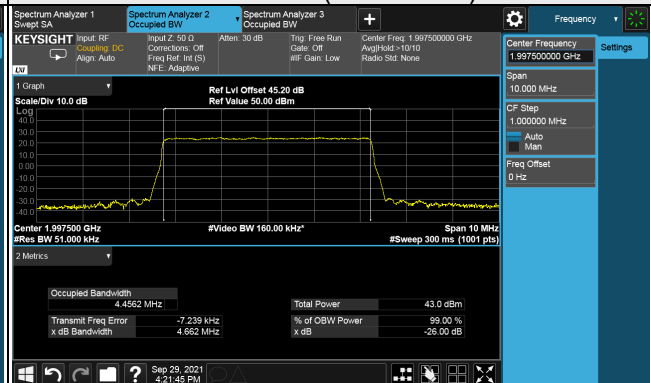
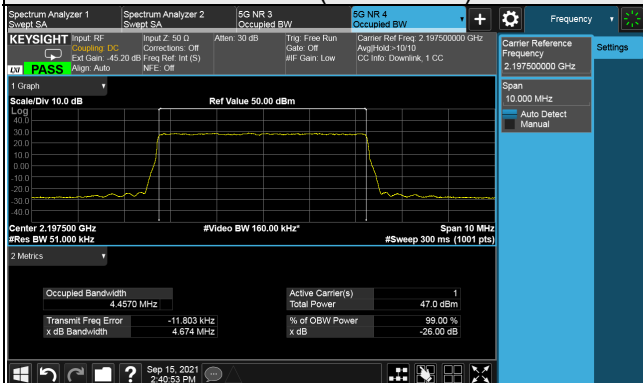
Ch 399500 (1997.5MHz)



64QAM

Ch 439500 (2197.5MHz)

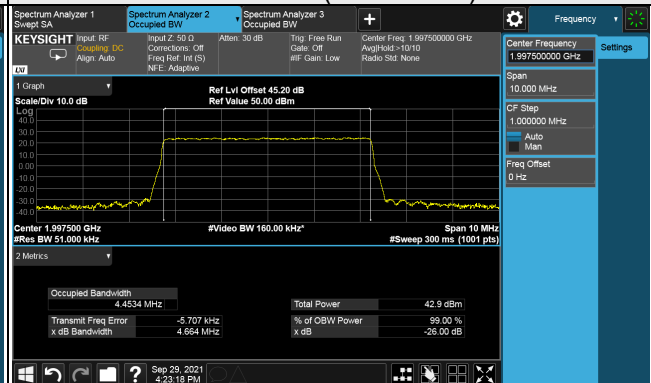
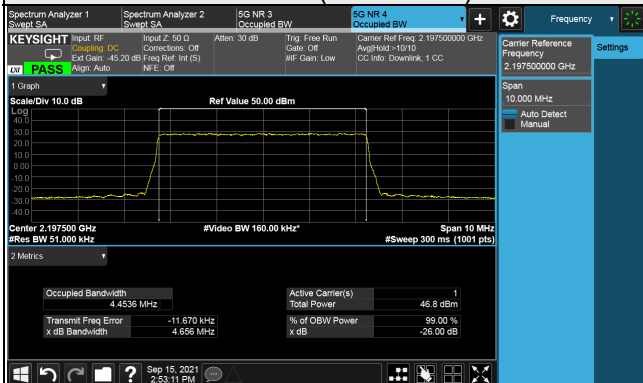
Ch 399500 (1997.5MHz)



256QAM

Ch 439500 (2197.5MHz)

Ch 399500 (1997.5MHz)



## 4.5 Channel Edge Measurement

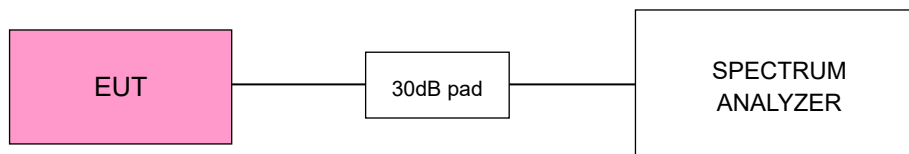
### 4.5.1 Limits of Band Edge Measurement

According to FCC 27.53(h) for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB.

Note: This device can be implement MIMO function, so the limit of spurious emissions needs to be reduced by  $10 \log_{10}(\text{Numbers}_{\text{Ant}})$  according to FCC KDB 662911 D01 guidance.

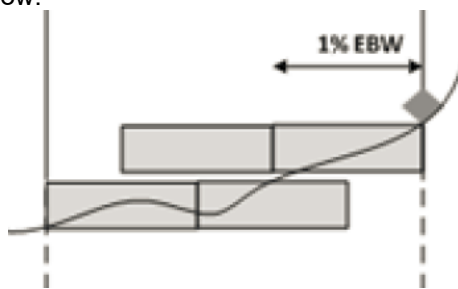
(4TX: The limit is adjusted to  $-13\text{dBm} - 10 \cdot \log(4) = -19.02\text{dBm}$ .)

### 4.5.2 Test Setup



### 4.5.3 Test Procedures

- a. All measurements were done at low and high operational frequency range.
- b. Use a measurement bandwidth less than required measurement bandwidth and integrate across the required bandwidth.
- c. Measurement multiple integrate bandwidth and across the 1 MHz adjacent to the block edge. For example below.



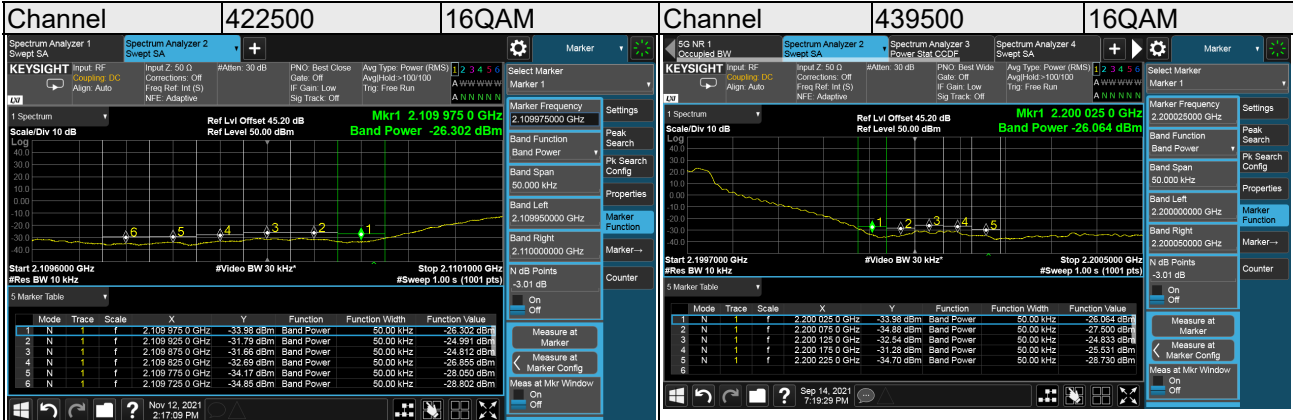
- d. Set spectrum analyzer RBW=10kHz/VBW=30kHz, integration 1% EBW of band-edge.
- e. Detector = RMS (Power average).
- f. Record the max trace plot into the test report.

Note: The band edge point/plot shown has already been evaluated to be the worst-case.

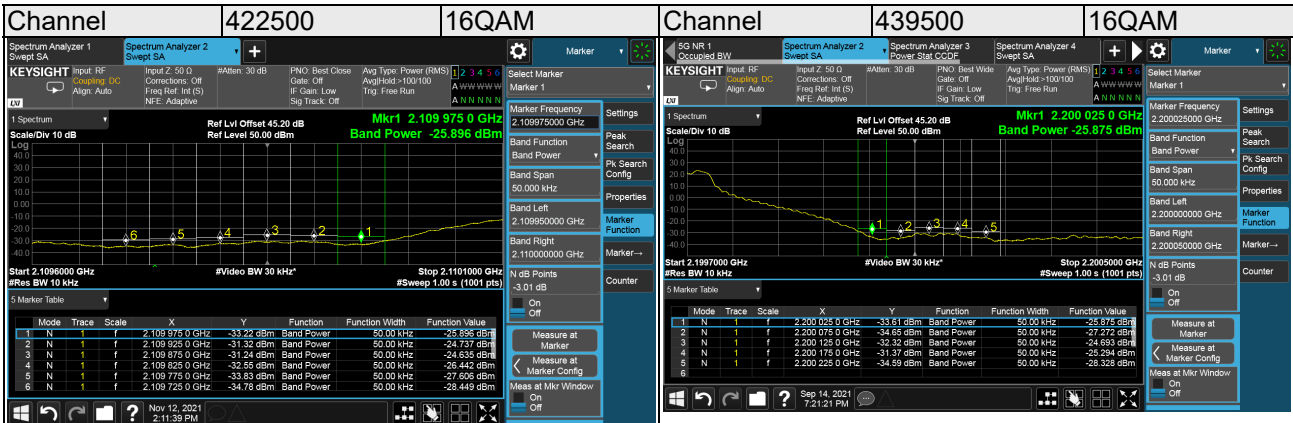
### 4.5.4 Test Results

## Band n66 5MHz (60W) Single Carrier

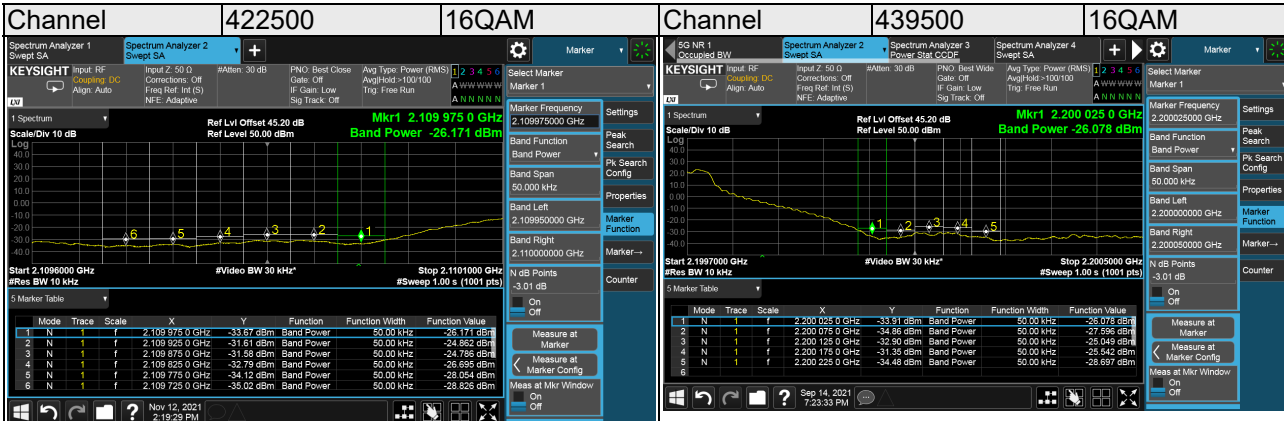
### 5MHz Ant. TX 0



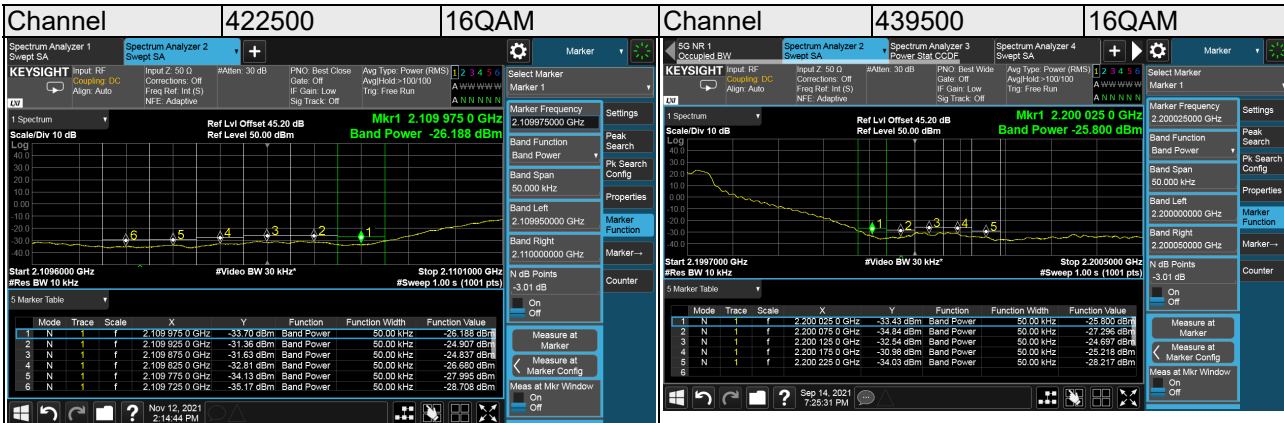
### Ant. TX 1



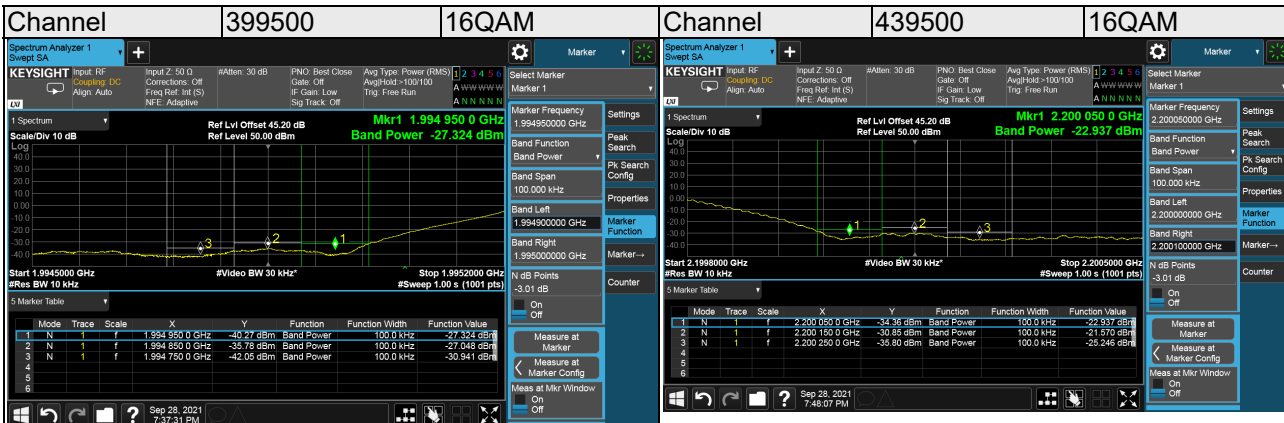
### Ant. TX 2



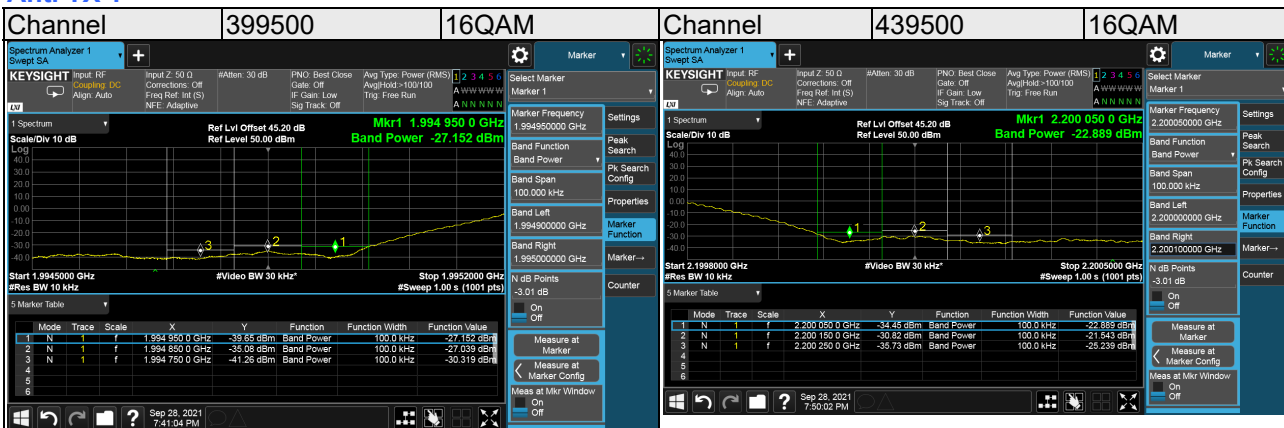
### Ant. TX 3



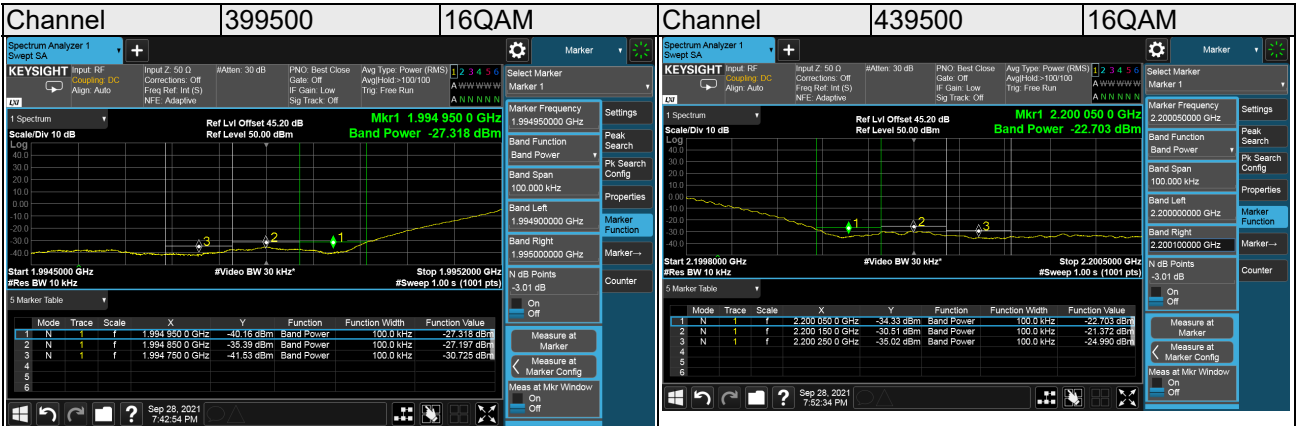
**Band n66 5MHz (60W)\_Ch 439500 (2197.5MHz)+ Band n70 5MHz (20W)\_Ch 399500 (1997.5MHz)**  
**Ant. TX 0**



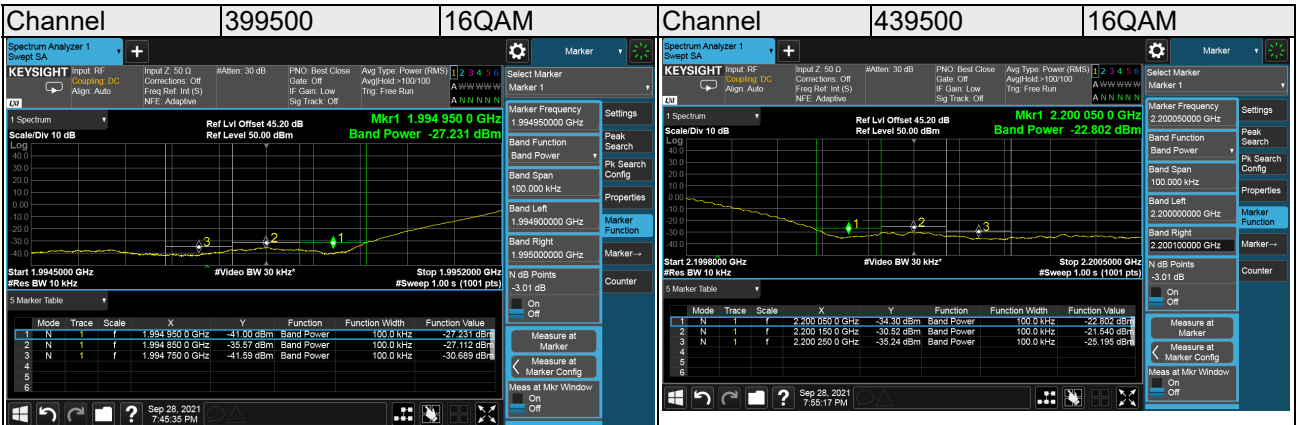
**Ant. TX 1**



### Ant. TX 2



### Ant. TX 3

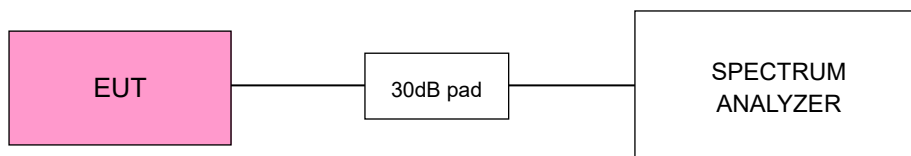


## 4.6 Peak to Average Ratio

### 4.6.1 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

### 4.6.2 Test Setup



### 4.6.3 Test Procedures

1. Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

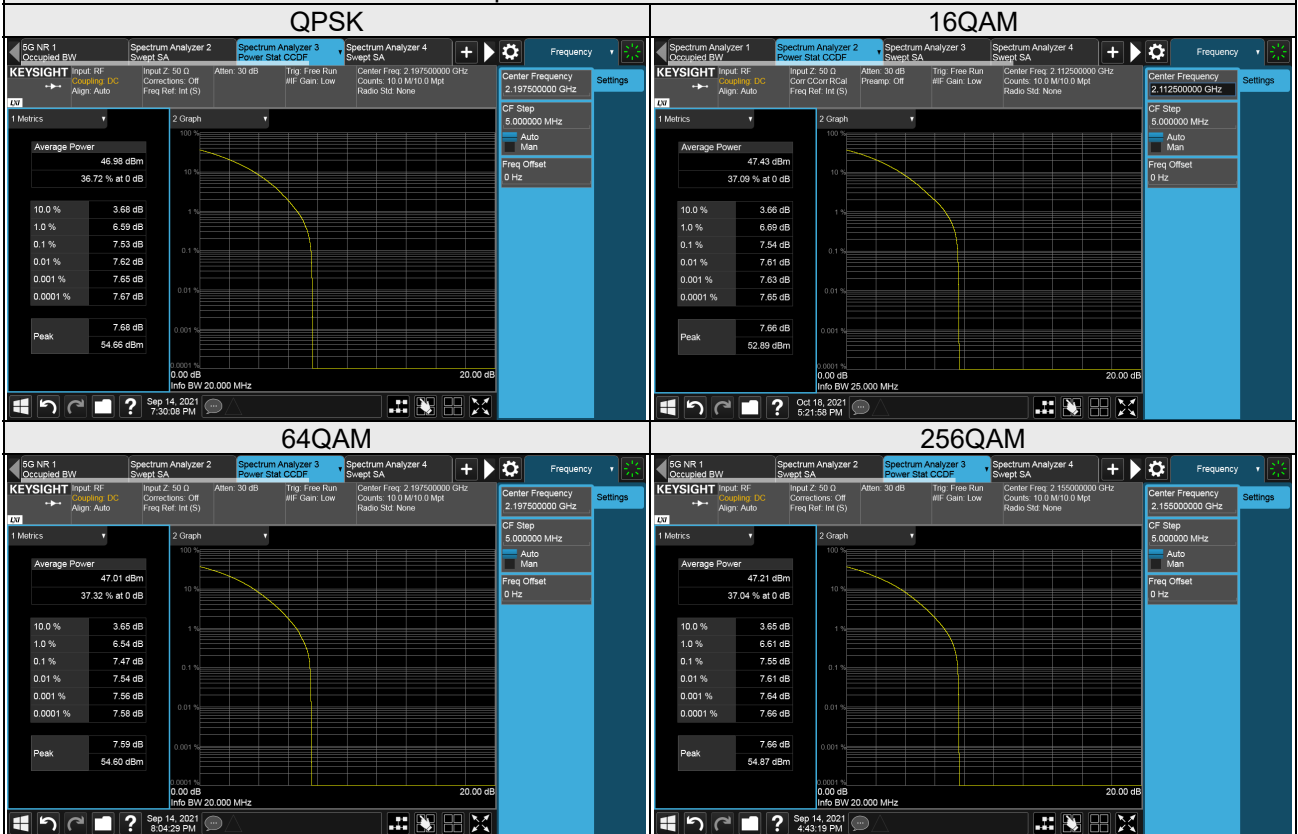
#### 4.6.4 Test Results

### Band n66 5MHz (60W) Single Carrier

#### 5MHz

Channel Number	Freq. (MHz)	Peak-to-Average Power Ratio (dB)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
422500	2112.5	7.48	7.52	7.44	7.50	7.47	7.46	7.42	7.49	7.48	7.54	7.42	7.50	7.46	7.53	7.42	7.49
431000	2155	7.51	7.45	7.45	7.54	7.50	7.44	7.44	7.54	7.50	7.45	7.45	7.44	7.50	7.45	7.44	7.55
439500	2197.5	7.52	7.43	7.47	7.54	7.53	7.43	7.47	7.53	7.52	7.43	7.46	7.45	7.52	7.43	7.47	7.54

#### Spectrum Plot of Worst Value





## 4.7 Conducted Spurious Emissions

### 4.7.1 Limits of Conducted Spurious Emissions Measurement

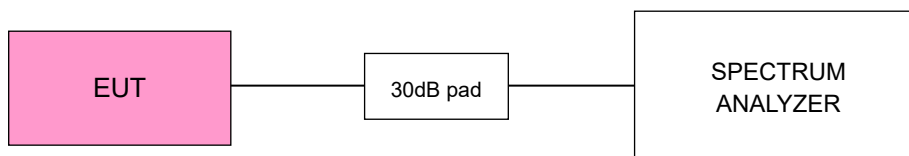
In the FCC 27.53(h)(1), On any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB.

**Note:**

This device can be implement MIMO function, so the limit of spurious emissions needs to be reduced by  $10\log(\text{Numbers}_{\text{Ant}})$  according to FCC KDB 662911 D01 guidance.

(4TX: The limit is adjusted to  $-13\text{dBm} - 10*\log(4) = -19.02\text{dBm}$ .)

### 4.7.2 Test Setup



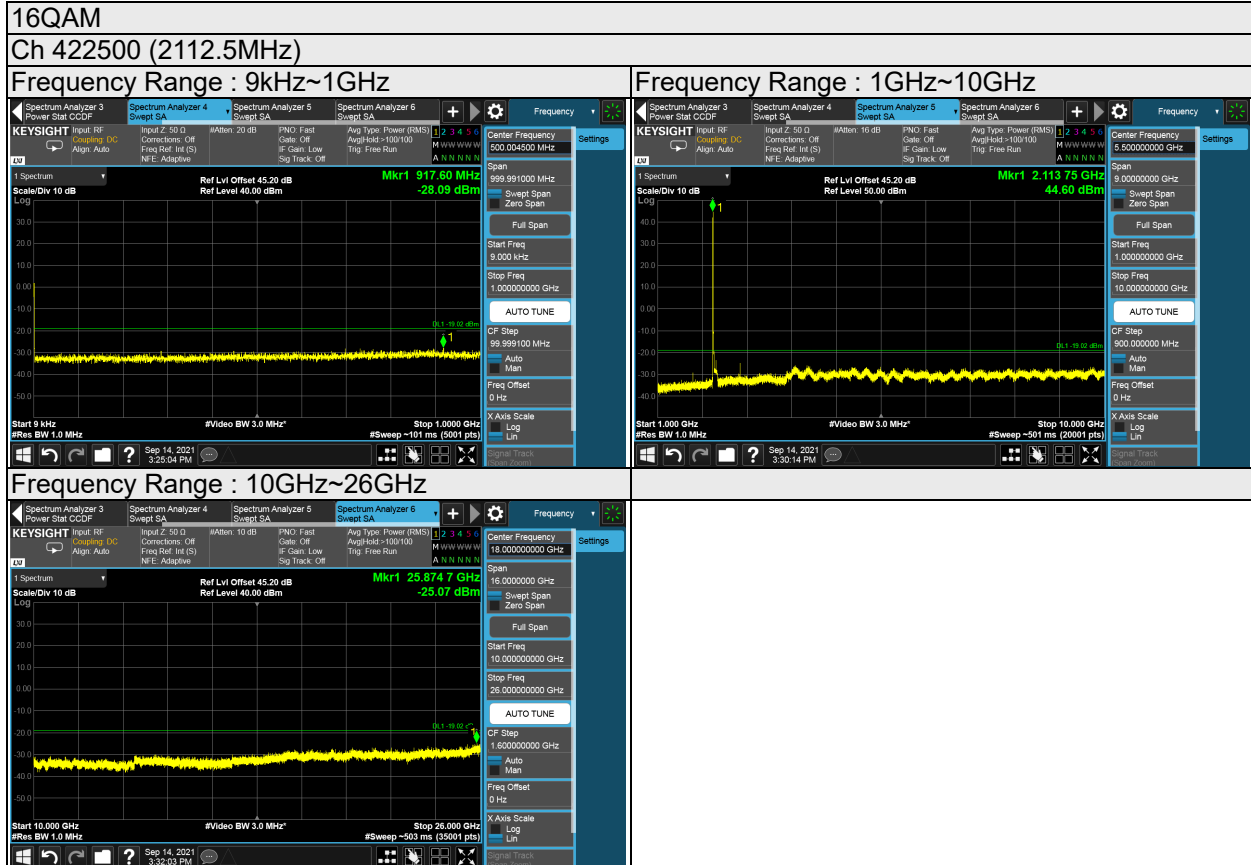
### 4.7.3 Test Procedure

- All measurements were done at 3 channels: low, middle and high operational frequency range.
- When the spectrum scanned from 9kHz to 26GHz, it shall be connected to the 30dB pad attenuated the carried frequency.
- S.A. setting: RBW=1MHz, VBW=3MHz, Detector=RMS (Power average)

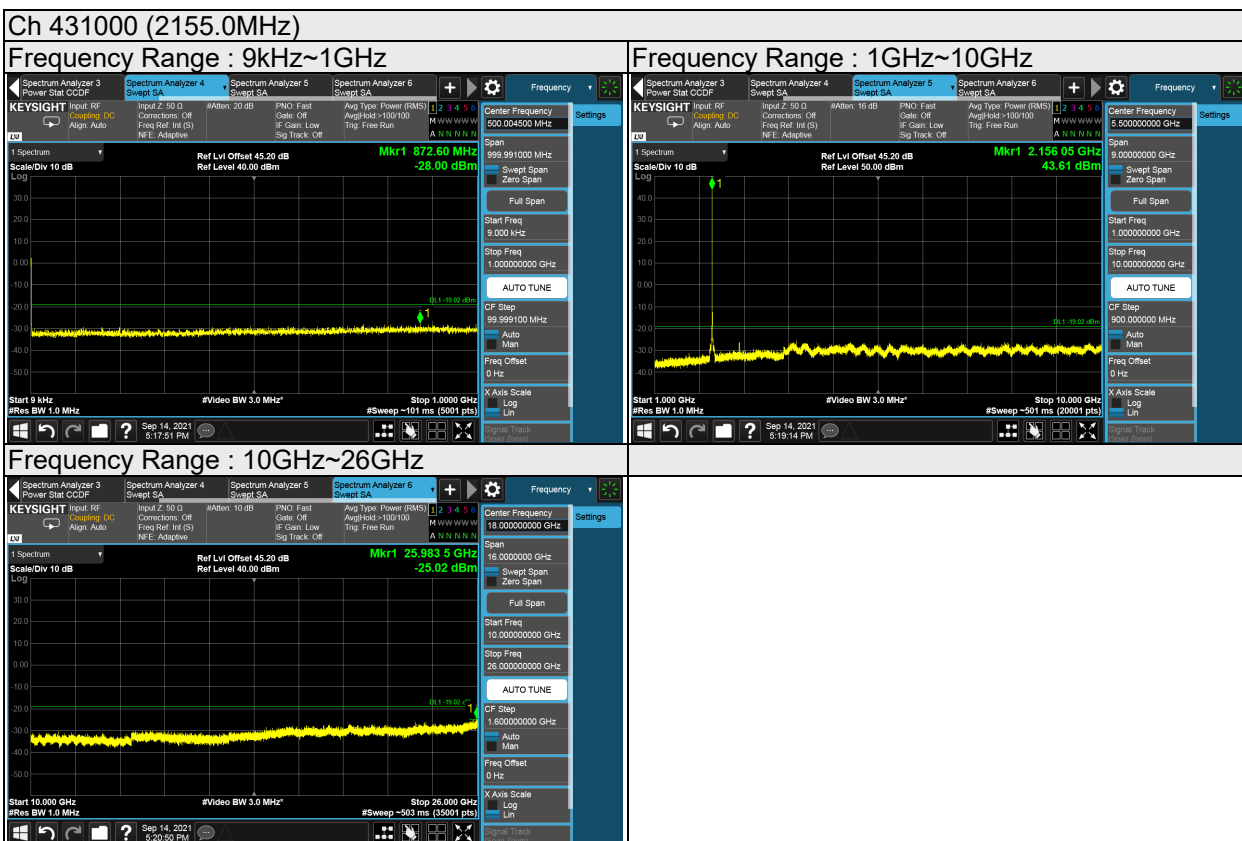
## 4.7.4 Test Results

### Band n66 5MHz (60W) Single Carrier

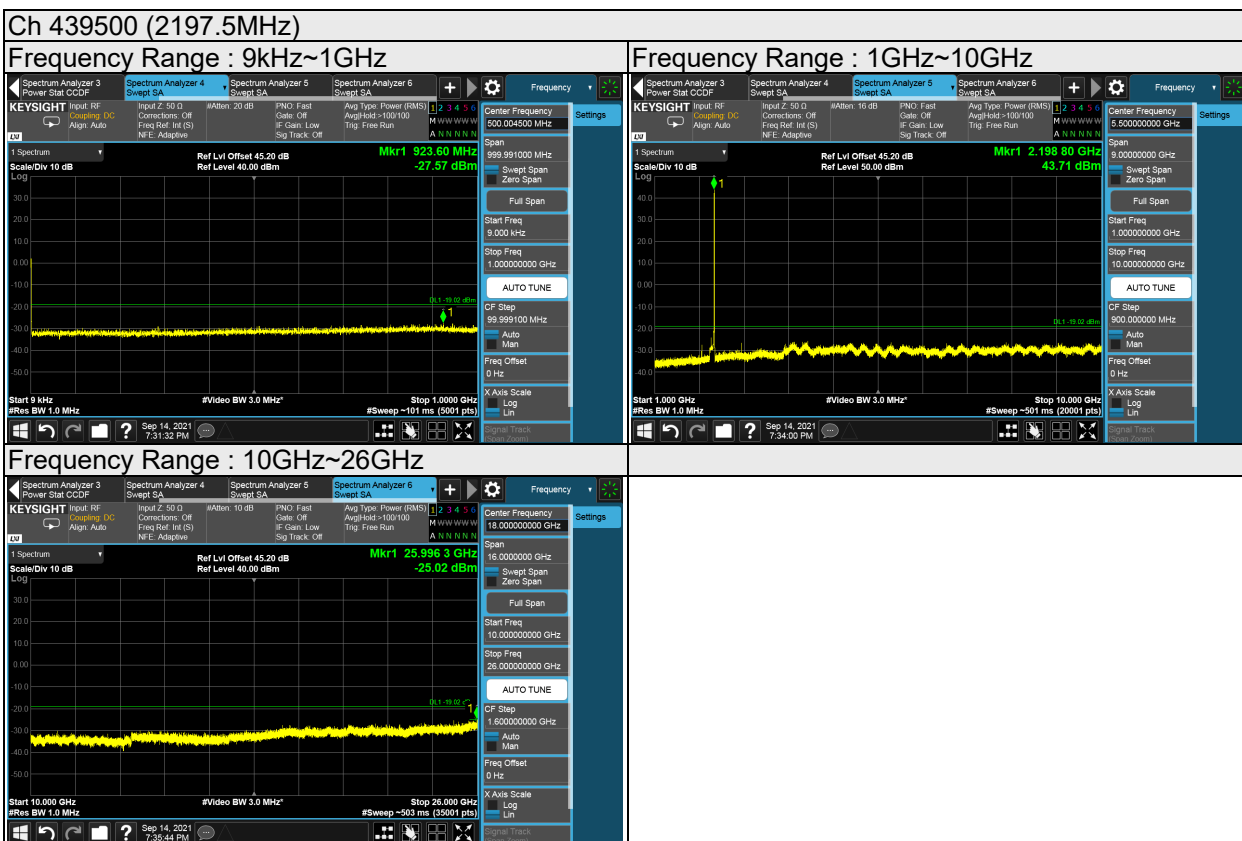
#### 5MHz-Ant. TX 0



Note: The signal at 9 kHz is IF signal from spectrum analyzer.



Note: The signal at 9 kHz is IF signal from spectrum analyzer.



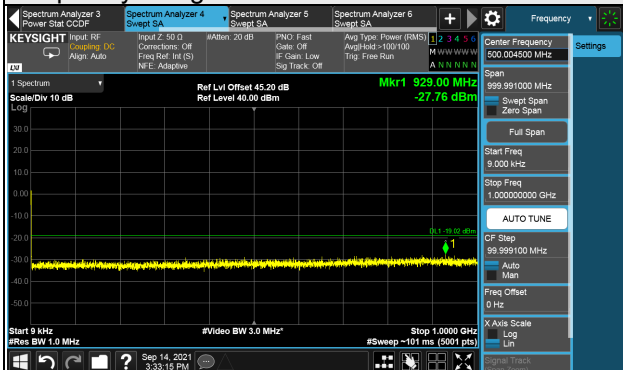
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

5MHz-Ant. TX 1

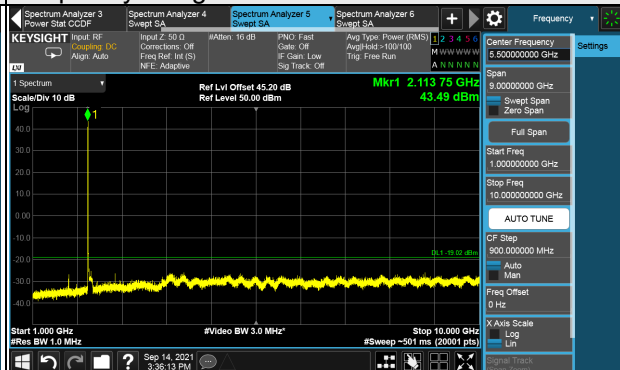
16QAM

Ch 422500 (2112.5MHz)

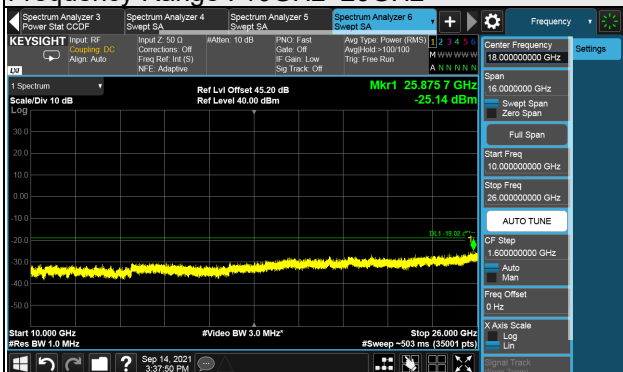
Frequency Range : 9kHz~1GHz



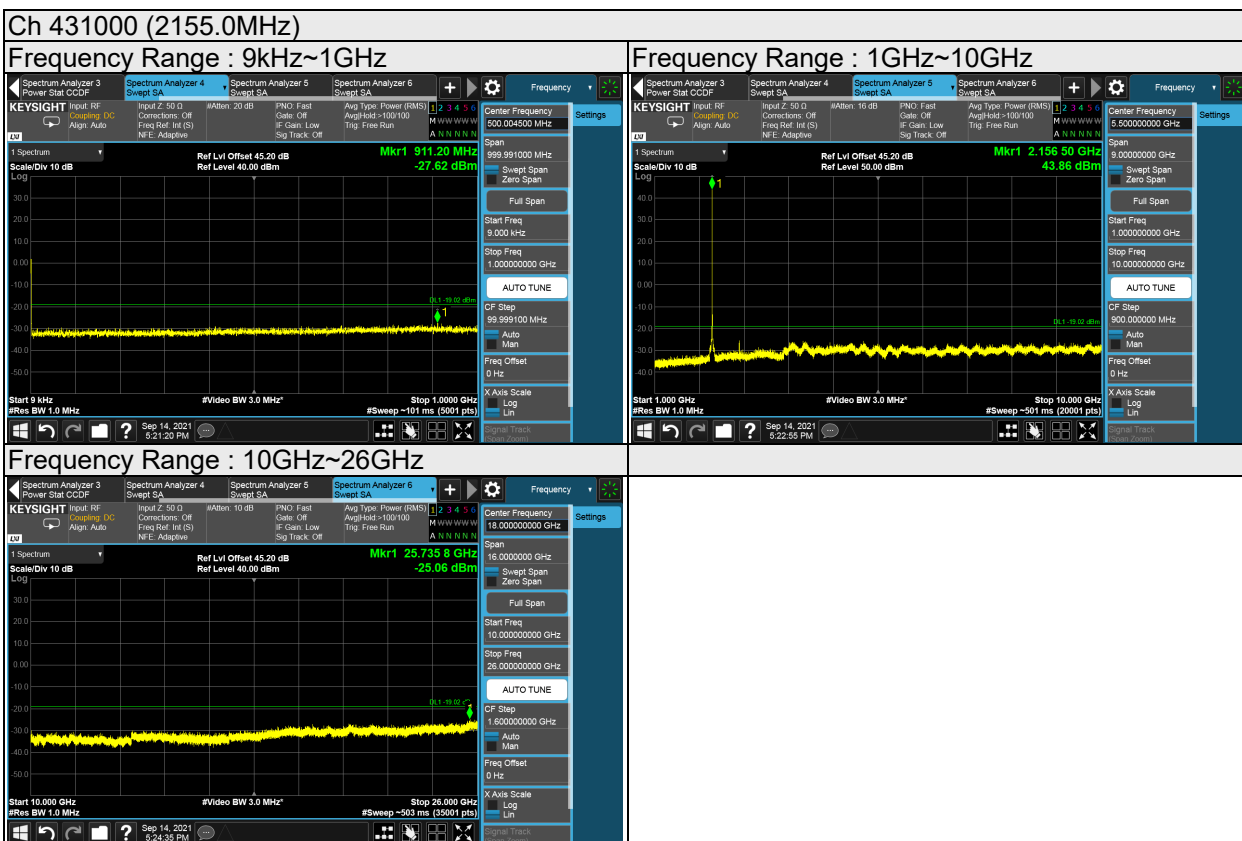
Frequency Range : 1GHz~10GHz



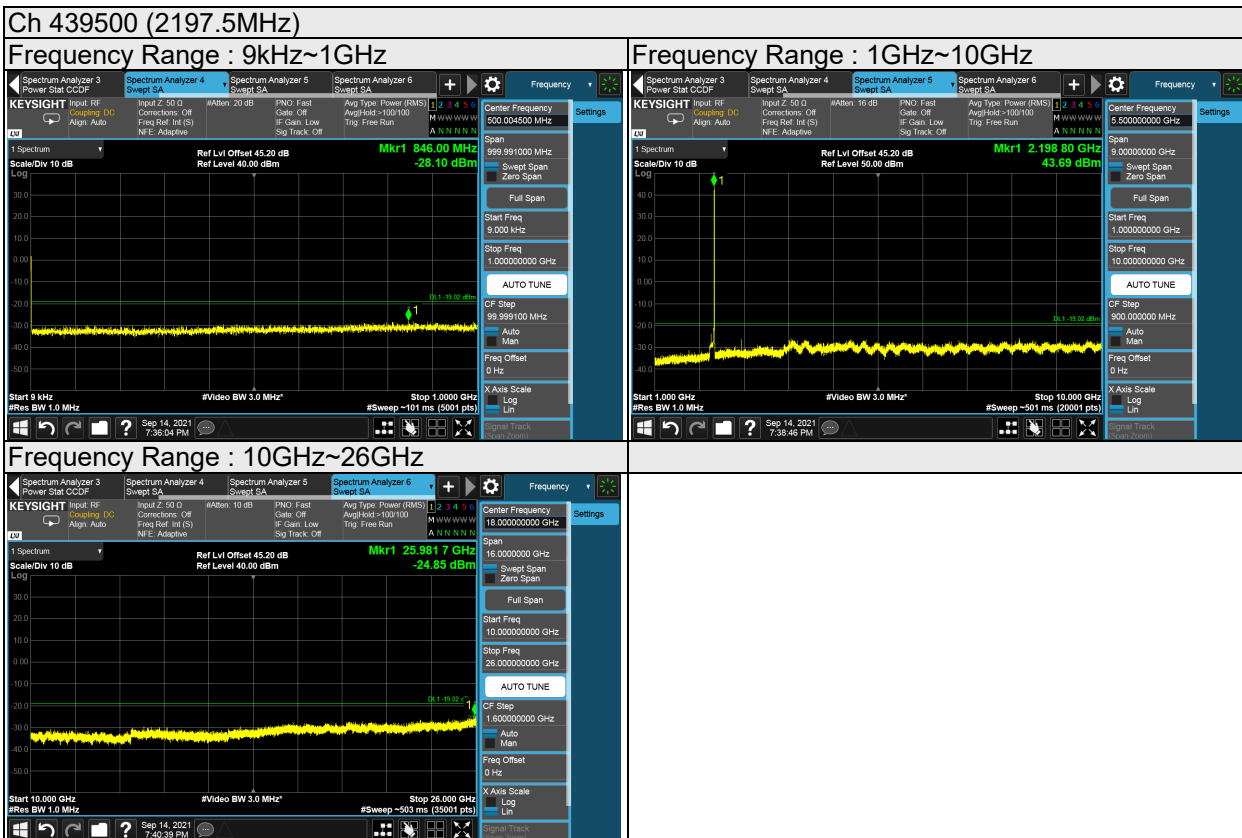
Frequency Range : 10GHz~26GHz



Note: The signal at 9 kHz is IF signal from spectrum analyzer.



Note: The signal at 9 kHz is IF signal from spectrum analyzer.



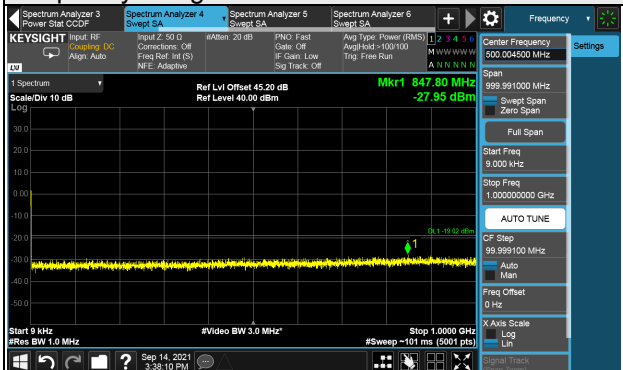
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

### 5MHz-Ant. TX 2

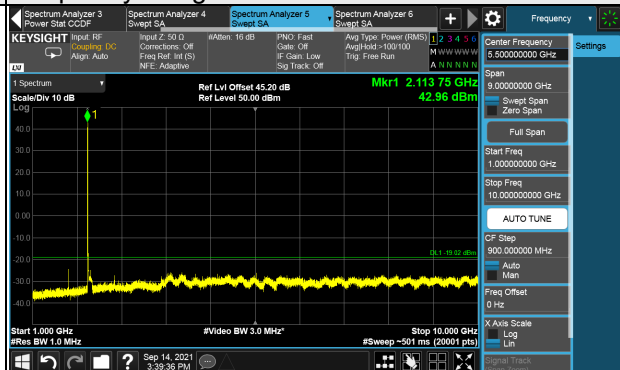
16QAM

Ch 422500 (2112.5MHz)

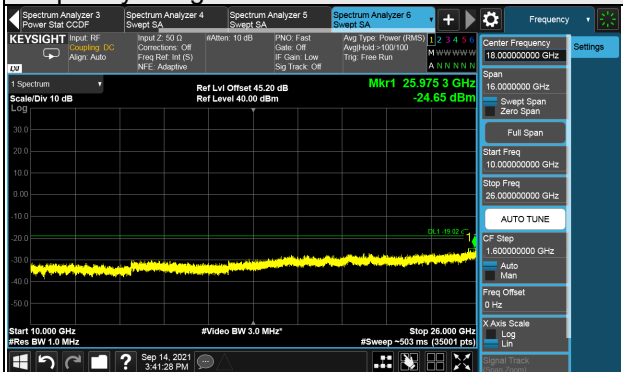
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz

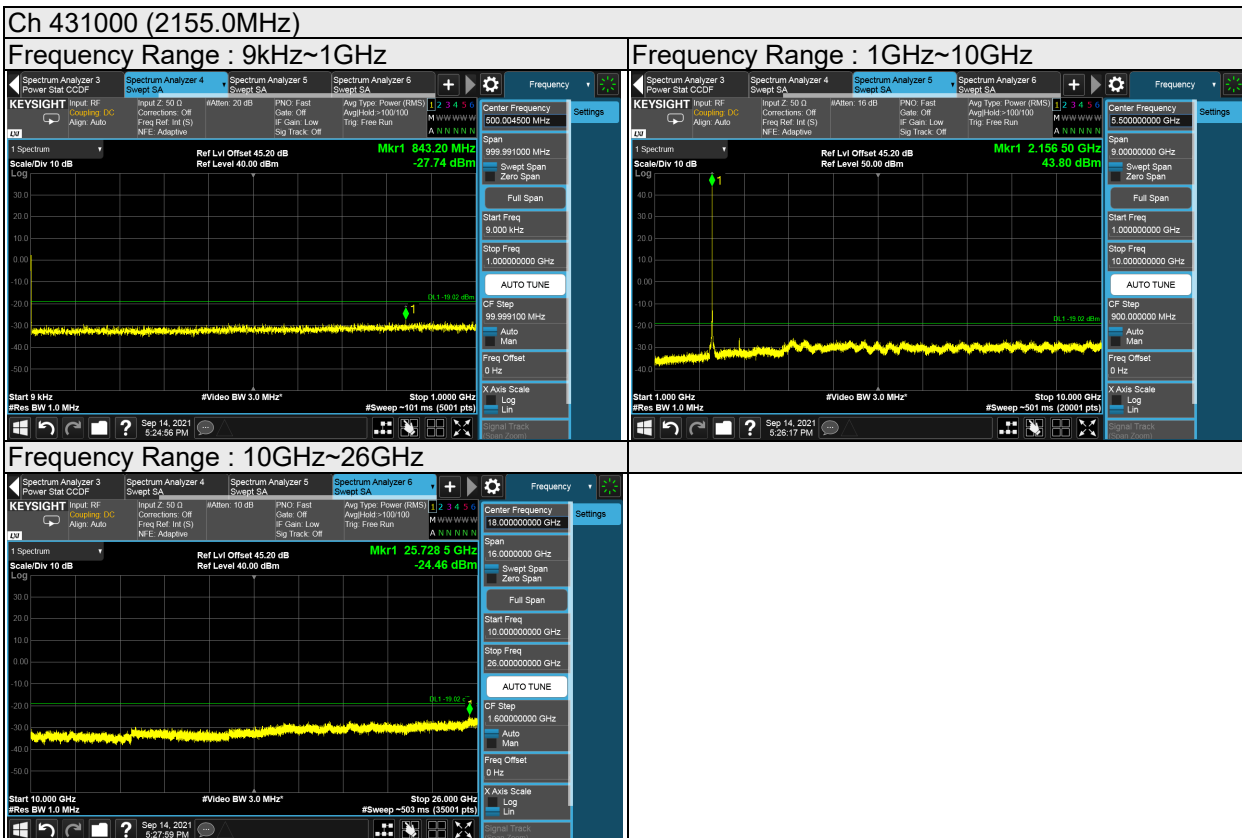


Frequency Range : 10GHz~26GHz

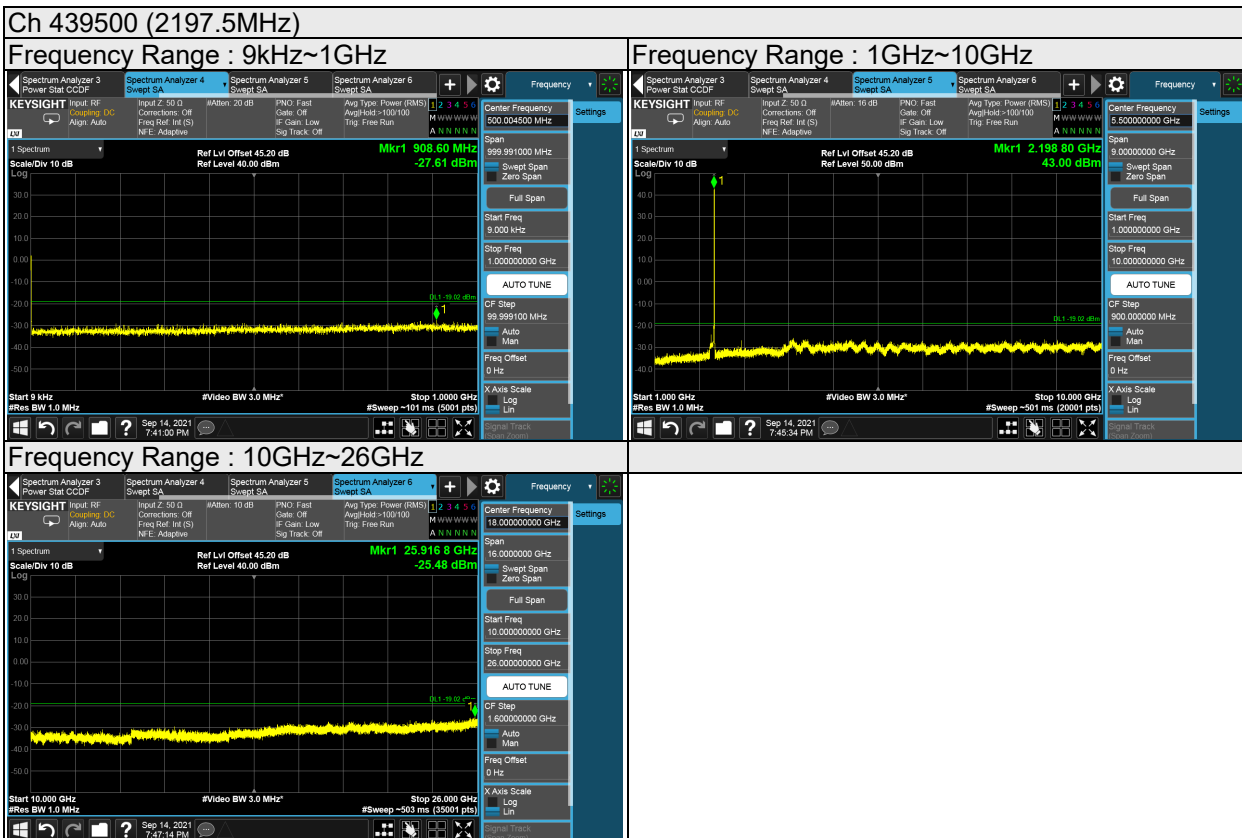


Note: The signal at 9 kHz is IF signal from spectrum analyzer.





Note: The signal at 9 kHz is IF signal from spectrum analyzer.



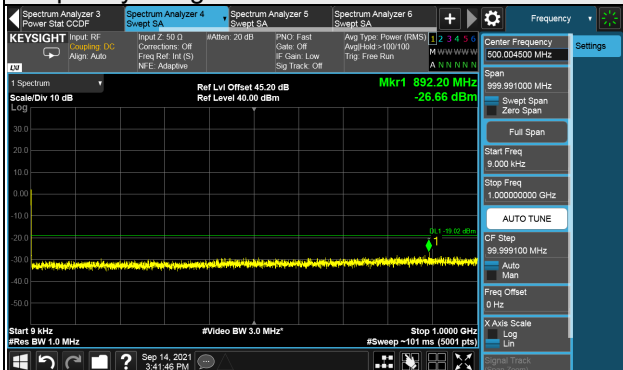
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

### 5MHz-Ant. TX 3

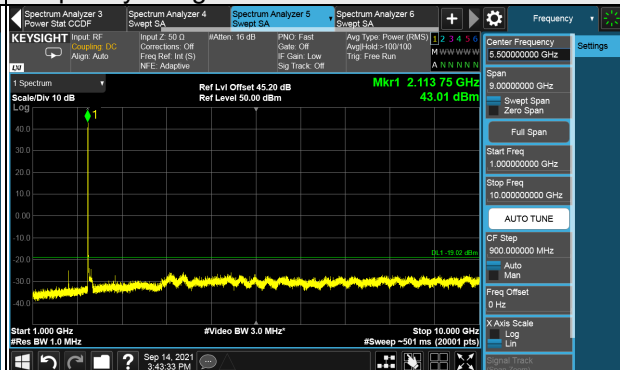
16QAM

Ch 422500 (2112.5MHz)

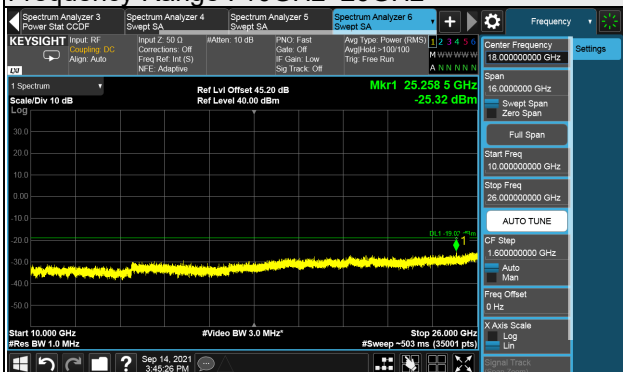
Frequency Range : 9kHz~1GHz



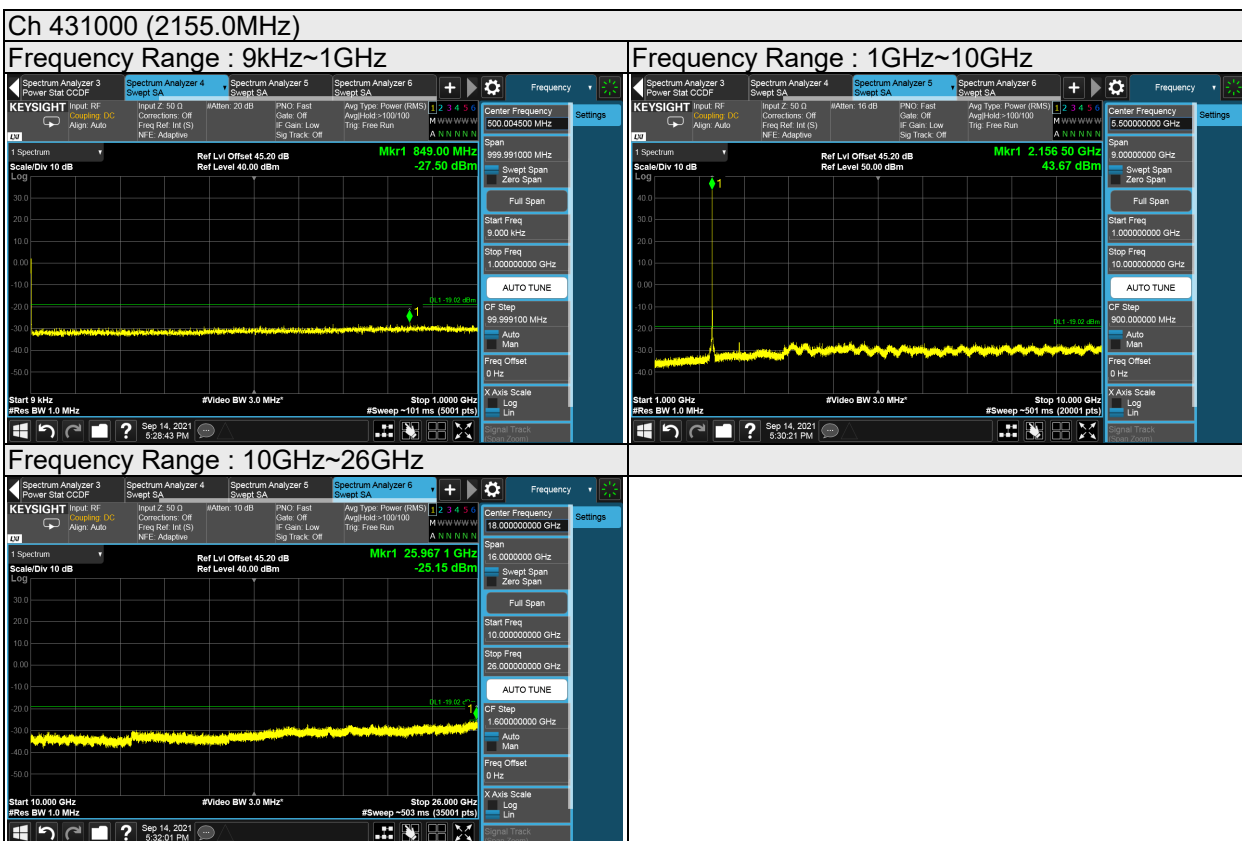
Frequency Range : 1GHz~10GHz



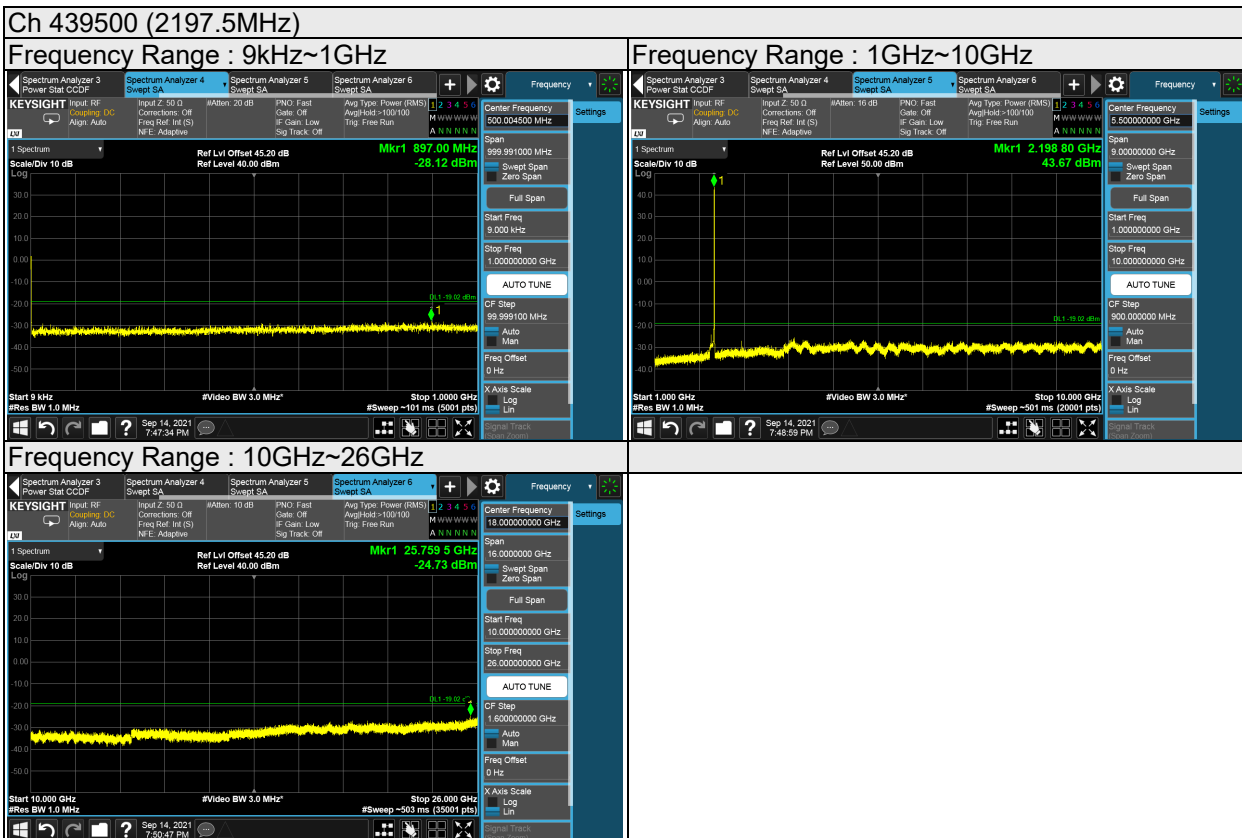
Frequency Range : 10GHz~26GHz



Note: The signal at 9 kHz is IF signal from spectrum analyzer.



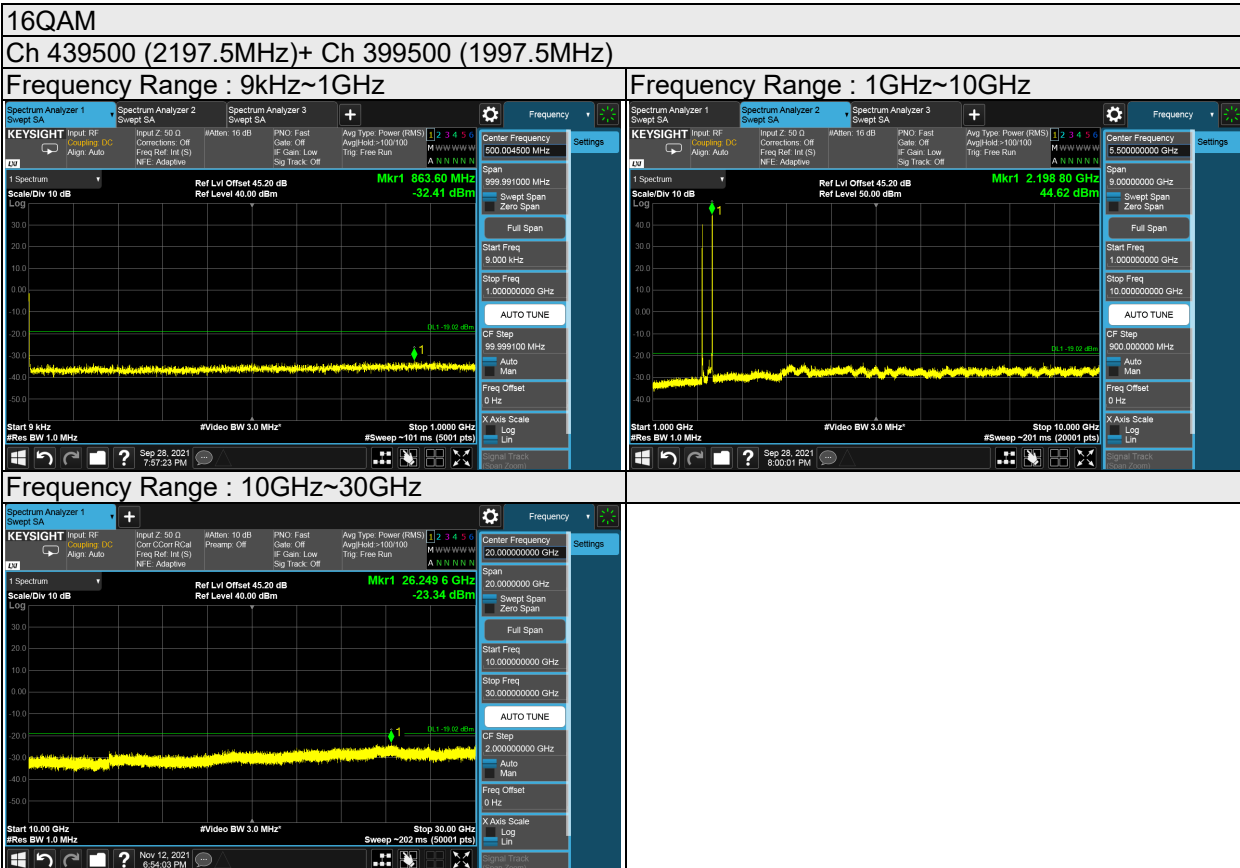
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

**Band n66 5MHz (60W)\_Ch 439500 (2197.5MHz)+ Band n70 5MHz (20W)\_Ch 399500 (1997.5MHz)**

**Ant. TX 0**



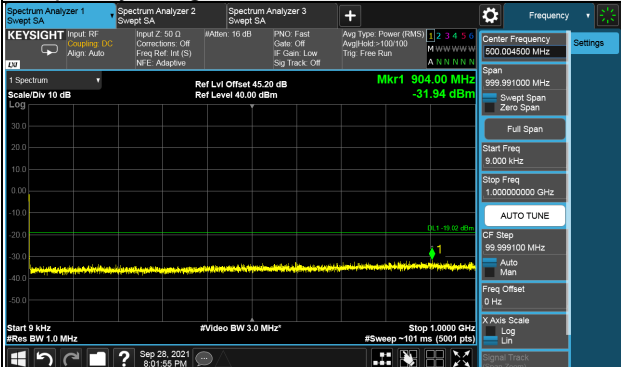
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

### Ant. TX 1

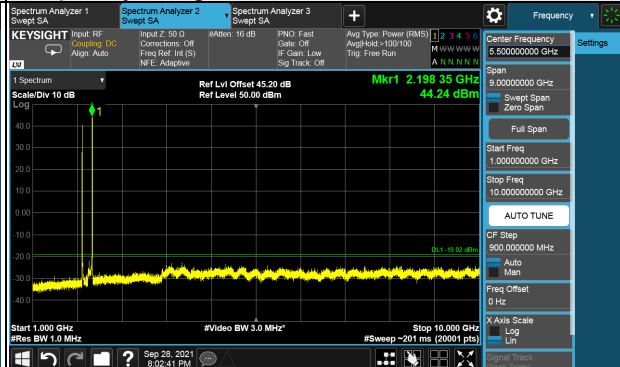
16QAM

Ch 439500 (2197.5MHz)+ Ch 399500 (1997.5MHz)

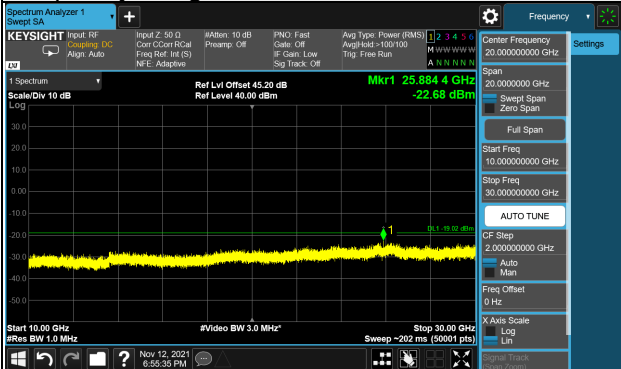
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



Frequency Range : 10GHz~30GHz



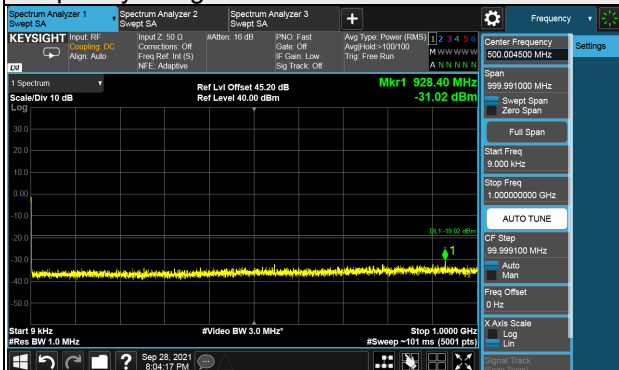
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

## Ant. TX 2

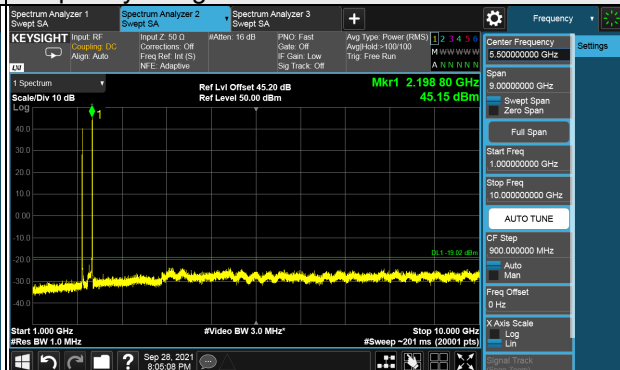
16QAM

Ch 439500 (2197.5MHz)+ Ch 399500 (1997.5MHz)

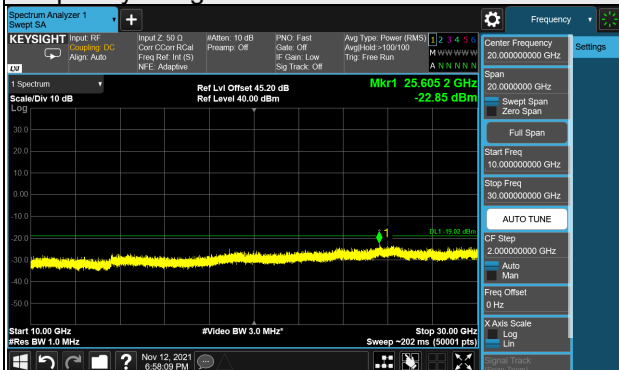
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



Frequency Range : 10GHz~30GHz



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

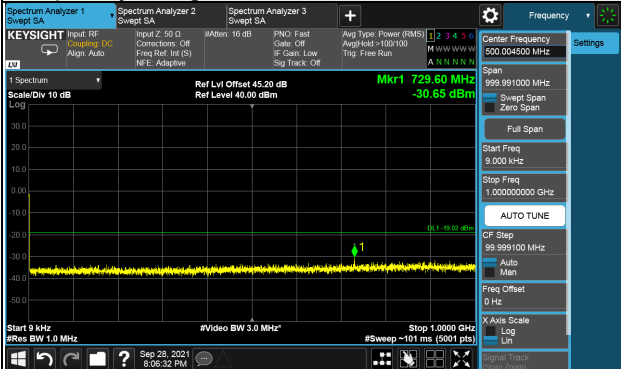


### Ant. TX 3

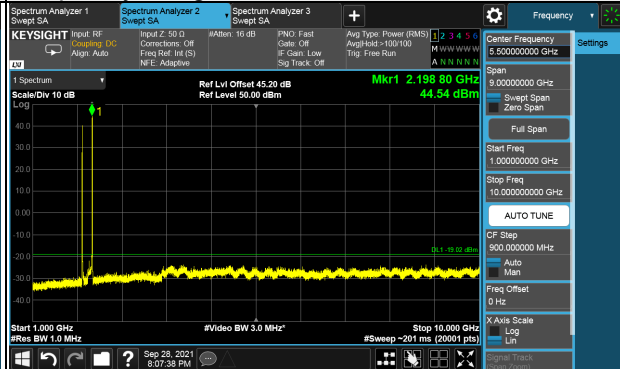
16QAM

Ch 439500 (2197.5MHz)+ Ch 399500 (1997.5MHz)

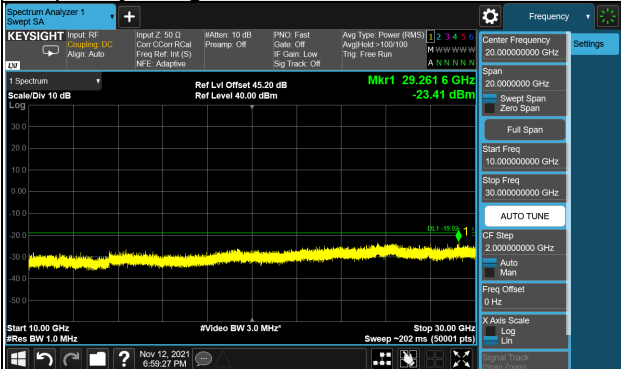
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



Frequency Range : 10GHz~30GHz



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

## 4.8 Radiated Emission Measurement

### 4.8.1 Limits of Radiated Emission Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB. The limit of emission is equal to -13 dBm.

### 4.8.2 Test Procedure

- a. The field strength was measured with Spectrum Analyzer.
- b. Measurement in the semi-anechoic chamber, EUT placed on the 0.8m/1.5m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor.
- c. Perform a field strength measurement and then mathematically convert the measured field strength level to EIRP level.
- d. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Read Value (dB $\mu$ V/m) + Correction Factor @ 3m
- e. Correction Factor (dB) @ 3m =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m = -95.26dB

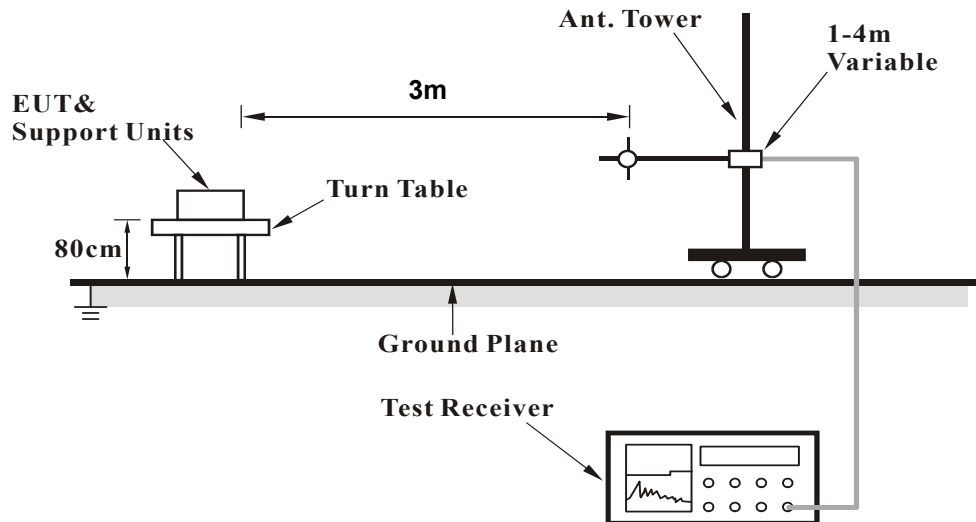
**NOTE:** The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

### 4.8.3 Deviation from Test Standard

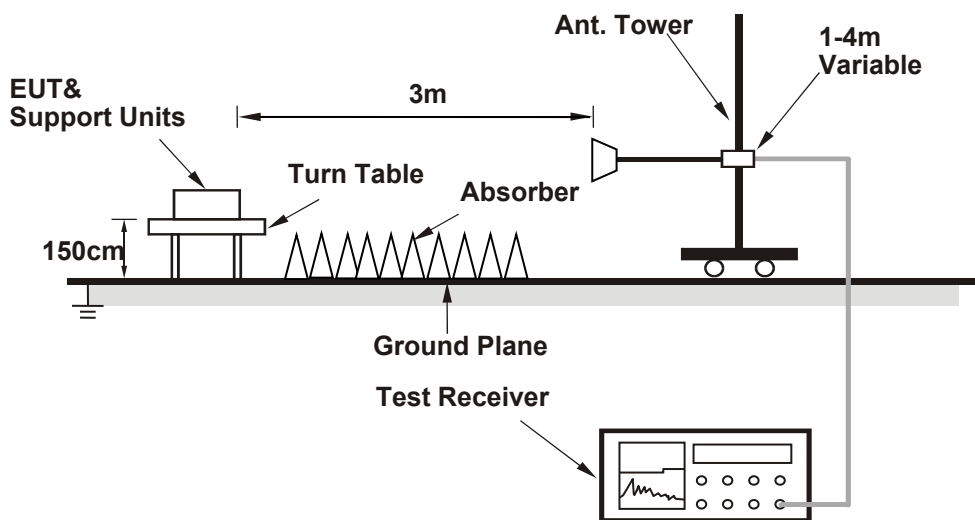
No deviation.

#### 4.8.4 Test Setup

##### <Frequency Range below 1GHz>



##### <Frequency Range above 1GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.8.5 Test Results

##### Band n66 5MHz (60W)

Below 1GHz

##### Single Carrier

##### 5MHz

Test Frequency	2112.5 MHz	Frequency Range	Below 1000 MHz
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##### Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	30.65	-64.96	-13.00	-51.96	1.50 H	241	39.73	-104.69
2	108.82	-73.36	-13.00	-60.36	1.50 H	47	32.72	-106.08
3	149.37	-71.58	-13.00	-58.58	1.50 H	242	31.24	-102.82
4	196.57	-68.02	-13.00	-55.02	2.00 H	147	37.77	-105.79
5	310.48	-70.16	-13.00	-57.16	1.50 H	168	31.22	-101.38
6	485.29	-67.38	-13.00	-54.38	2.00 H	268	29.32	-96.70

##### Antenna Polarity & Test Distance : Vertical at 3m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	30.63	-64.25	-13.00	-51.25	1.50 V	47	40.43	-104.68
2	47.76	-64.83	-13.00	-51.83	1.50 V	55	38.53	-103.36
3	106.20	-69.95	-13.00	-56.95	1.50 V	134	36.54	-106.49
4	160.07	-69.55	-13.00	-56.55	1.50 V	66	33.45	-103.00
5	197.22	-72.50	-13.00	-59.50	1.50 V	234	33.30	-105.80
6	380.08	-68.64	-13.00	-55.64	1.50 V	321	30.94	-99.58

##### Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dBuV/m) + Correction Factor @ 3m
2. Correction Factor (dB) =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m

Test Frequency	2155 MHz	Frequency Range	Below 1000 MHz
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**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	30.87	-66.72	-13.00	-53.72	1.50 H	268	38.03	-104.75
2	108.41	-71.40	-13.00	-58.40	1.50 H	47	34.71	-106.11
3	149.45	-71.69	-13.00	-58.69	1.50 H	326	31.13	-102.82
4	196.53	-68.69	-13.00	-55.69	1.50 H	247	37.10	-105.79
5	310.72	-71.48	-13.00	-58.48	1.50 H	83	29.88	-101.36
6	485.77	-67.69	-13.00	-54.69	1.50 H	128	29.00	-96.69

**Antenna Polarity & Test Distance : Vertical at 3m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	30.67	-63.18	-13.00	-50.18	1.50 V	248	41.51	-104.69
2	47.69	-64.98	-13.00	-51.98	1.50 V	211	38.39	-103.37
3	106.67	-71.37	-13.00	-58.37	1.50 V	43	35.02	-106.39
4	160.47	-69.09	-13.00	-56.09	1.50 V	103	33.92	-103.01
5	197.62	-72.69	-13.00	-59.69	1.50 V	357	33.11	-105.80
6	380.10	-69.31	-13.00	-56.31	1.50 V	117	30.27	-99.58

**Remarks:**

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dBuV/m) + Correction Factor @ 3m
2. Correction Factor (dB) =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m

Test Frequency	2197.5 MHz	Frequency Range	Below 1000 MHz
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**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	30.84	-66.69	-13.00	-53.69	1.50 H	42	38.05	-104.74
2	109.07	-73.07	-13.00	-60.07	1.50 H	23	32.99	-106.06
3	149.53	-73.15	-13.00	-60.15	1.50 H	267	29.66	-102.81
4	196.28	-69.72	-13.00	-56.72	1.50 H	46	36.07	-105.79
5	310.00	-71.76	-13.00	-58.76	1.50 H	228	29.64	-101.40
6	485.65	-67.21	-13.00	-54.21	1.50 H	208	29.49	-96.70

**Antenna Polarity & Test Distance : Vertical at 3m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	30.88	-63.52	-13.00	-50.52	1.50 V	67	41.23	-104.75
2	47.52	-64.77	-13.00	-51.77	1.50 V	110	38.62	-103.39
3	105.79	-71.74	-13.00	-58.74	1.50 V	287	34.81	-106.55
4	160.53	-70.36	-13.00	-57.36	1.50 V	73	32.66	-103.02
5	197.11	-73.01	-13.00	-60.01	1.50 V	347	32.79	-105.80
6	380.37	-69.40	-13.00	-56.40	1.50 V	108	30.17	-99.57

**Remarks:**

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dBuV/m) + Correction Factor @ 3m
2. Correction Factor (dB) =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m

Above 1GHz

**Single Carrier**  
**5MHz**

Test Frequency	2112.5 MHz	Frequency Range	1GHz ~ 30GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	4225.00	-63.78	-13.00	-50.78	1.50 H	224	29.21	-92.99
2	5281.25	-63.10	-13.00	-50.10	1.50 H	167	27.79	-90.89
3	6337.50	-63.40	-13.00	-50.40	2.00 H	86	25.76	-89.16
4	7393.75	-62.94	-13.00	-49.94	1.50 H	114	22.61	-85.55

Antenna Polarity & Test Distance : Vertical at 3m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	4225.00	-63.56	-13.00	-50.56	1.50 V	82	29.43	-92.99
2	5281.25	-62.76	-13.00	-49.76	1.00 V	144	28.13	-90.89
3	6337.50	-62.50	-13.00	-49.50	1.50 V	134	26.66	-89.16
4	7393.75	-62.68	-13.00	-49.68	1.50 V	117	22.87	-85.55

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dBuV/m) + Correction Factor @ 3m
2. Correction Factor (dB) =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m

Test Frequency	2155.0 MHz	Frequency Range	1GHz ~ 30GHz
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**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	4310.00	-63.14	-13.00	-50.14	2.00 H	134	29.63	-92.77
2	5387.50	-62.32	-13.00	-49.32	1.50 H	48	28.58	-90.90
3	6465.00	-62.72	-13.00	-49.72	1.50 H	229	25.50	-88.22
4	7542.50	-62.80	-13.00	-49.80	1.50 H	317	22.59	-85.39

**Antenna Polarity & Test Distance : Vertical at 3m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	4310.00	-63.70	-13.00	-50.70	1.50 V	124	29.07	-92.77
2	5387.50	-63.19	-13.00	-50.19	1.50 V	114	27.71	-90.90
3	6465.00	-62.79	-13.00	-49.79	2.00 V	254	25.43	-88.22
4	7542.50	-62.34	-13.00	-49.34	1.50 V	93	23.05	-85.39

**Remarks:**

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dBuV/m) + Correction Factor @ 3m
2. Correction Factor (dB) =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m



Test Frequency	2197.5 MHz	Frequency Range	1GHz ~ 30GHz
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**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	4395.00	-63.38	-13.00	-50.38	1.50 H	115	29.41	-92.79
2	5493.75	-63.00	-13.00	-50.00	2.00 H	42	27.65	-90.65
3	6592.50	-63.18	-13.00	-50.18	1.50 H	337	24.64	-87.82
4	7691.25	-62.70	-13.00	-49.70	2.00 H	28	23.18	-85.88

**Antenna Polarity & Test Distance : Vertical at 3m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	4395.00	-63.81	-13.00	-50.81	1.50 V	224	28.98	-92.79
2	5493.75	-62.70	-13.00	-49.70	1.50 V	149	27.95	-90.65
3	6592.50	-62.49	-13.00	-49.49	1.00 V	334	25.33	-87.82
4	7691.25	-62.98	-13.00	-49.98	1.50 V	257	22.90	-85.88

**Remarks:**

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dBuV/m) + Correction Factor @ 3m
2. Correction Factor (dB) =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m

**Band n66 5MHz(60W)\_Ch 439500 (2197.5MHz)+ Band n70 5MHz(20W)\_Ch 399500 (1997.5MHz)**

Below 1GHz

Test Frequency	2197.5MHz+1997.5MHz	Frequency Range	Below 1000 MHz
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**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	31.06	-65.16	-13.00	-52.16	1.50 H	121	39.60	-104.76
2	109.43	-73.64	-13.00	-60.64	1.50 H	227	32.40	-106.04
3	148.84	-71.60	-13.00	-58.60	1.50 H	234	31.28	-102.88
4	196.12	-69.35	-13.00	-56.35	1.50 H	293	36.43	-105.78
5	310.78	-71.97	-13.00	-58.97	1.50 H	315	29.39	-101.36
6	485.49	-67.60	-13.00	-54.60	1.50 H	42	29.10	-96.70

**Antenna Polarity & Test Distance : Vertical at 3m**

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	30.75	-63.46	-13.00	-50.46	1.50 V	41	41.26	-104.72
2	47.42	-66.87	-13.00	-53.87	1.50 V	23	36.53	-103.40
3	106.61	-70.38	-13.00	-57.38	1.50 V	238	36.02	-106.40
4	159.05	-69.94	-13.00	-56.94	1.50 V	321	32.89	-102.83
5	197.96	-73.32	-13.00	-60.32	1.50 V	237	32.48	-105.80
6	379.83	-68.21	-13.00	-55.21	1.50 V	117	31.37	-99.58

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dBuV/m) + Correction Factor @ 3m
2. Correction Factor (dB) =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m

Above 1GHz

Test Frequency	2197.5MHz+1997.5MHz	Frequency Range	1GHz ~ 30GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	4195.00	-63.32	-13.00	-50.32	1.50 H	114	29.70	-93.02
2	5243.75	-63.02	-13.00	-50.02	1.50 H	241	27.82	-90.84
3	6292.50	-63.54	-13.00	-50.54	2.00 H	227	25.61	-89.15
4	7341.25	-62.68	-13.00	-49.68	1.50 H	48	22.74	-85.42
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	4195.00	-63.21	-13.00	-50.21	1.50 V	128	29.81	-93.02
2	5243.75	-62.55	-13.00	-49.55	1.50 V	327	28.29	-90.84
<b>3</b>	<b>6292.50</b>	<b>-62.16</b>	<b>-13.00</b>	<b>-49.16</b>	<b>1.00 V</b>	<b>53</b>	<b>26.99</b>	<b>-89.15</b>
4	7341.25	-62.66	-13.00	-49.66	1.50 V	112	22.76	-85.42

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dBuV/m) + Correction Factor @ 3m
2. Correction Factor (dB) =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m

## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

## Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

**Lin Kou EMC/RF Lab**

Tel: 886-2-26052180

Fax: 886-2-26051924

**Hsin Chu EMC/RF/Telecom Lab**

Tel: 886-3-6668565

Fax: 886-3-6668323

**Hwa Ya EMC/RF/Safety Lab**

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

The address and road map of all our labs can be found in our web site also.

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