

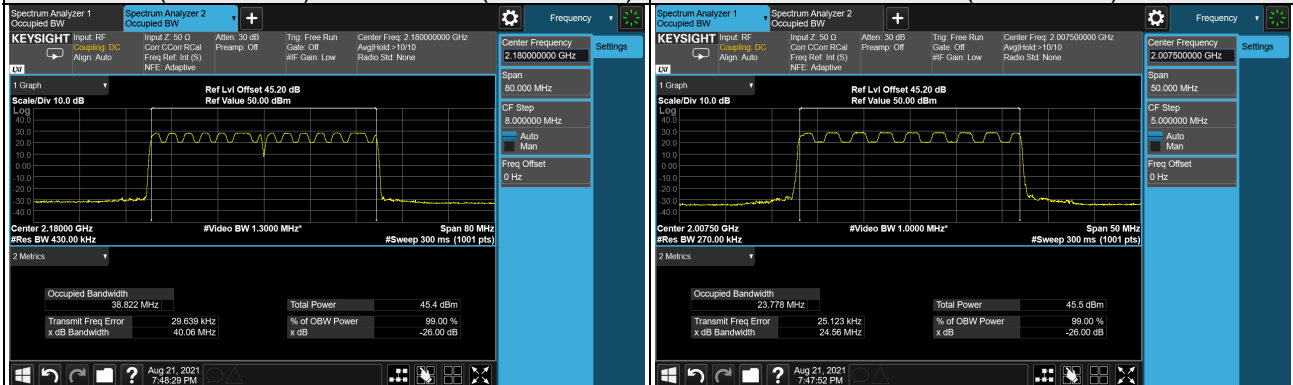
Ant. TX 0

Spectrum Plot of Worst Value

QPSK

Ch 434000 (2170.0MHz) + Ch 438000 (2190.0MHz)

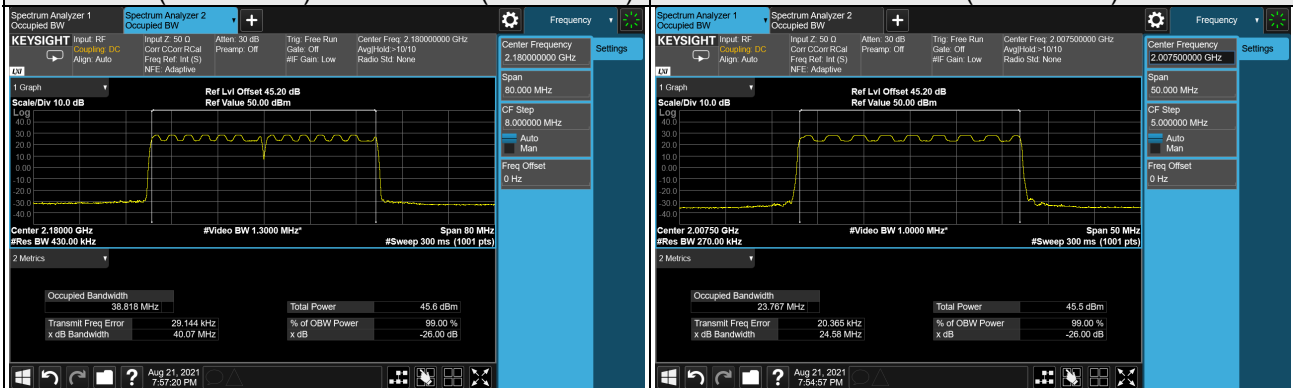
Ch 401500 (2007.5MHz)



16QAM

Ch 434000 (2170.0MHz) + Ch 438000 (2190.0MHz)

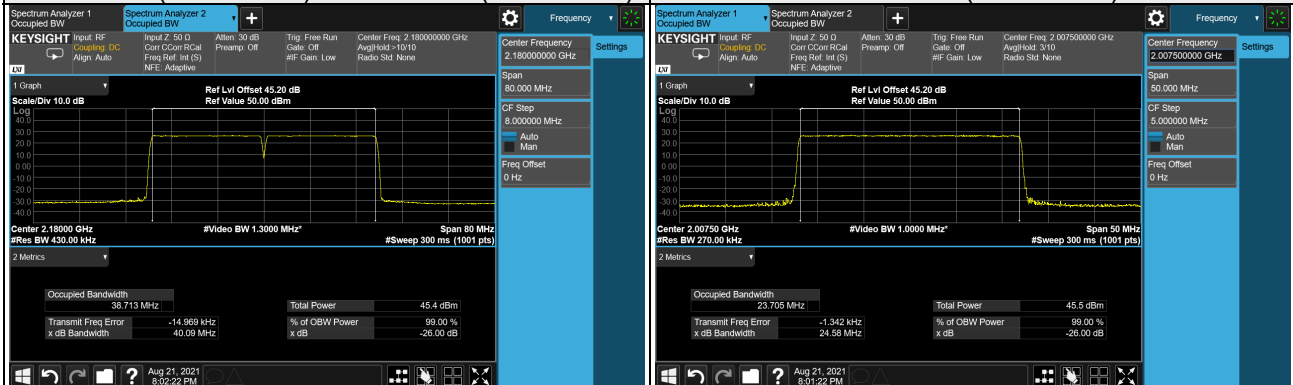
Ch 401500 (2007.5MHz)



64QAM

Ch 434000 (2170.0MHz) + Ch 438000 (2190.0MHz)

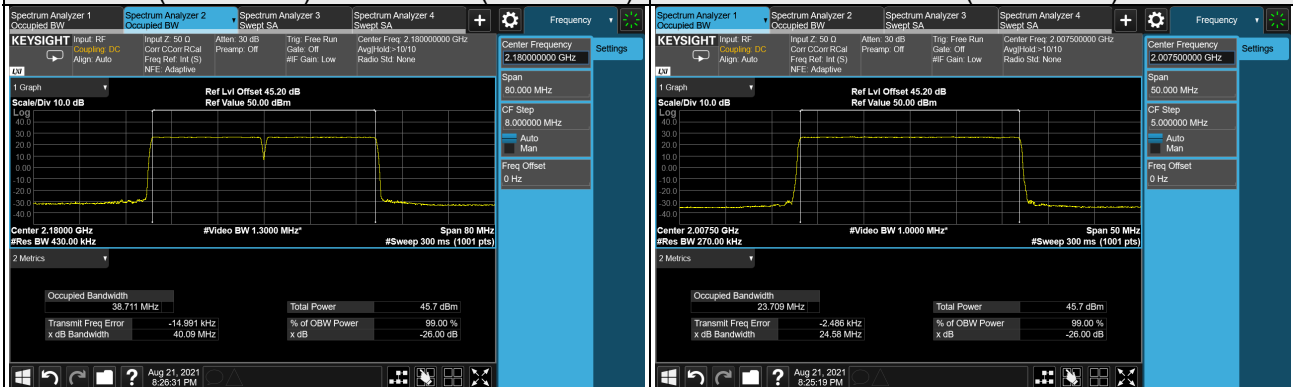
Ch 401500 (2007.5MHz)



256QAM

Ch 434000 (2170.0MHz) + Ch 438000 (2190.0MHz)

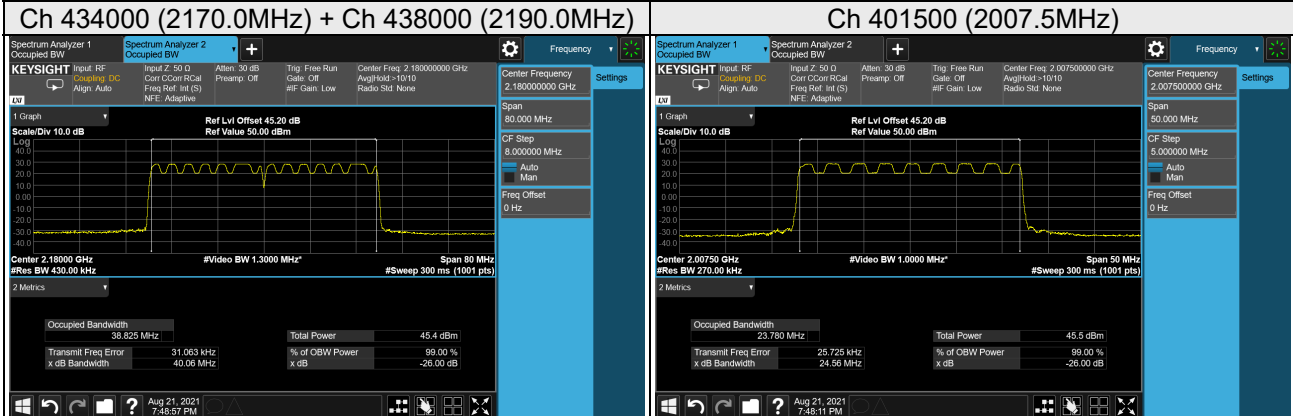
Ch 401500 (2007.5MHz)



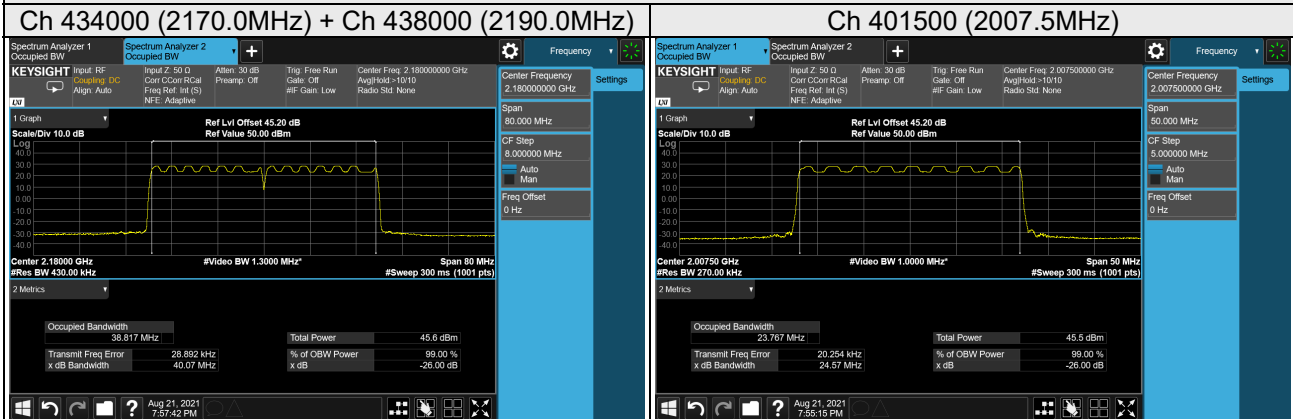
Ant. TX 1

Spectrum Plot of Worst Value

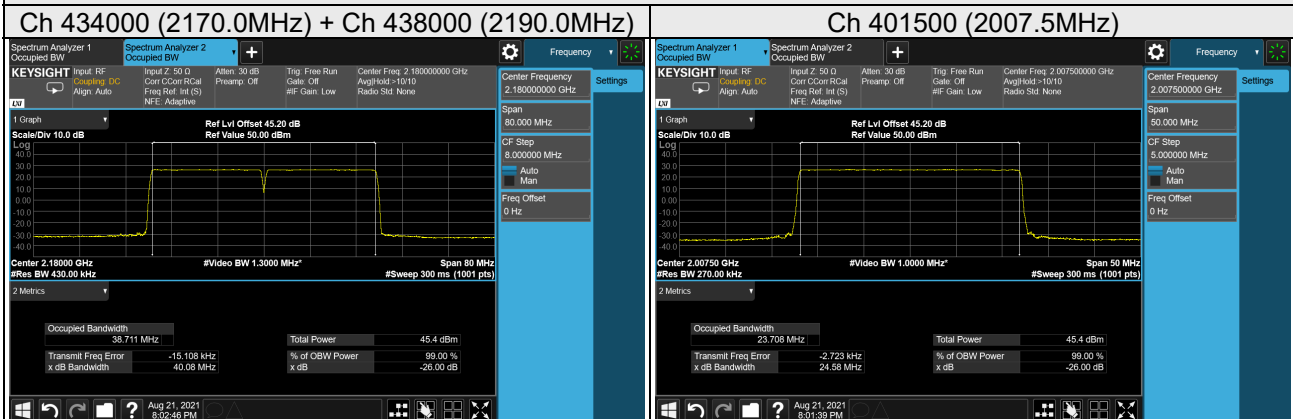
QPSK



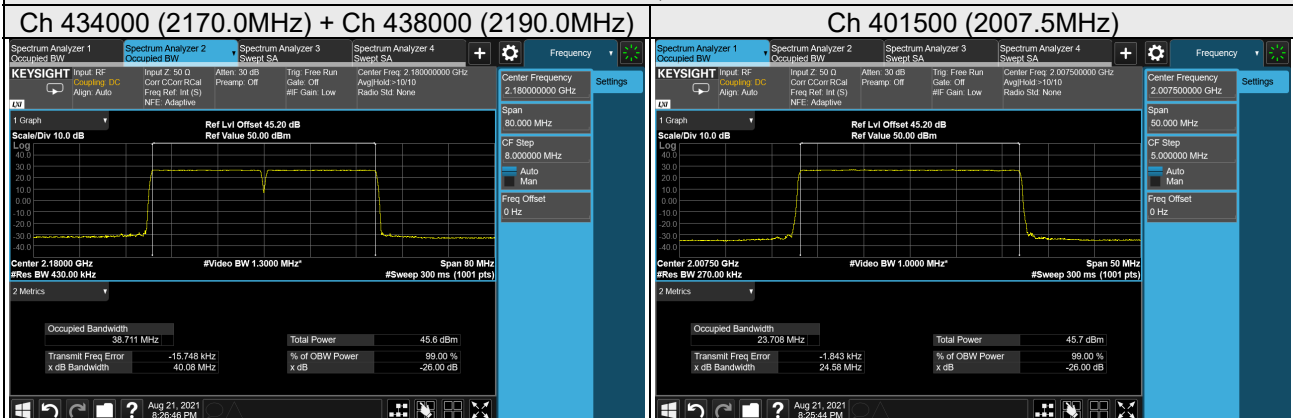
16QAM



64QAM



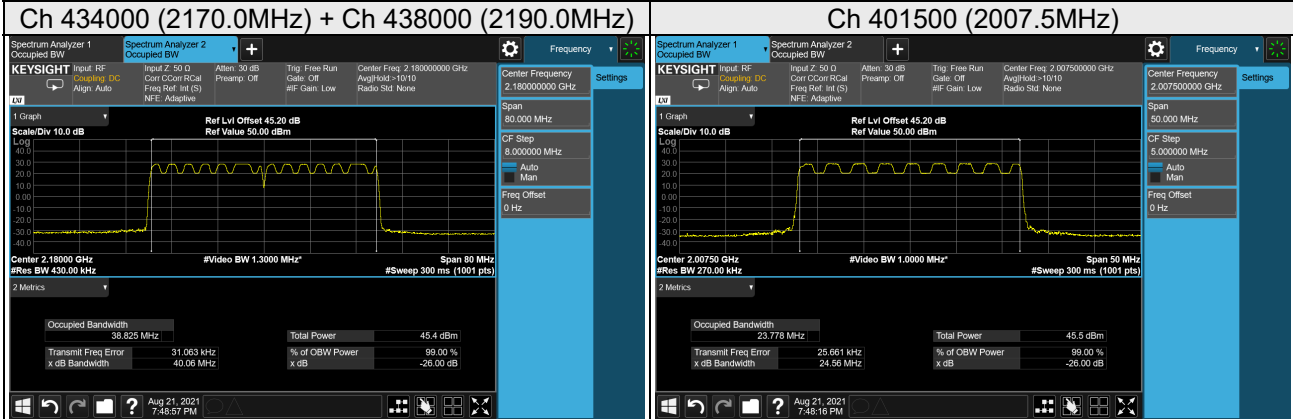
256QAM



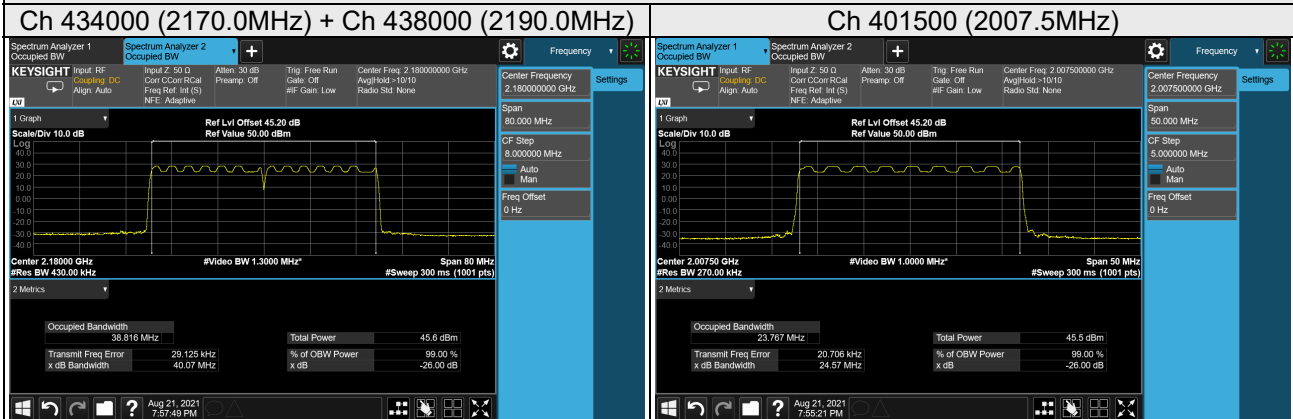
Ant. TX 2

Spectrum Plot of Worst Value

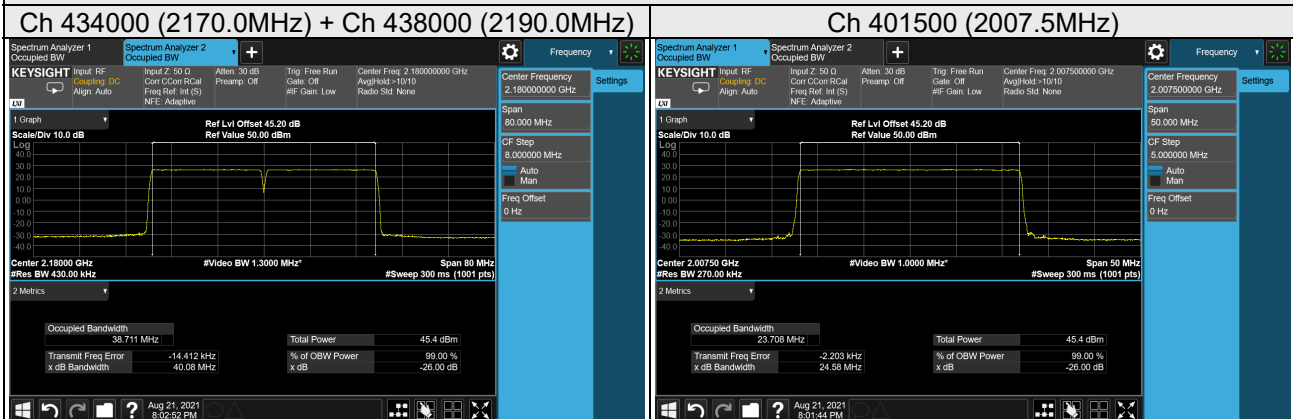
QPSK



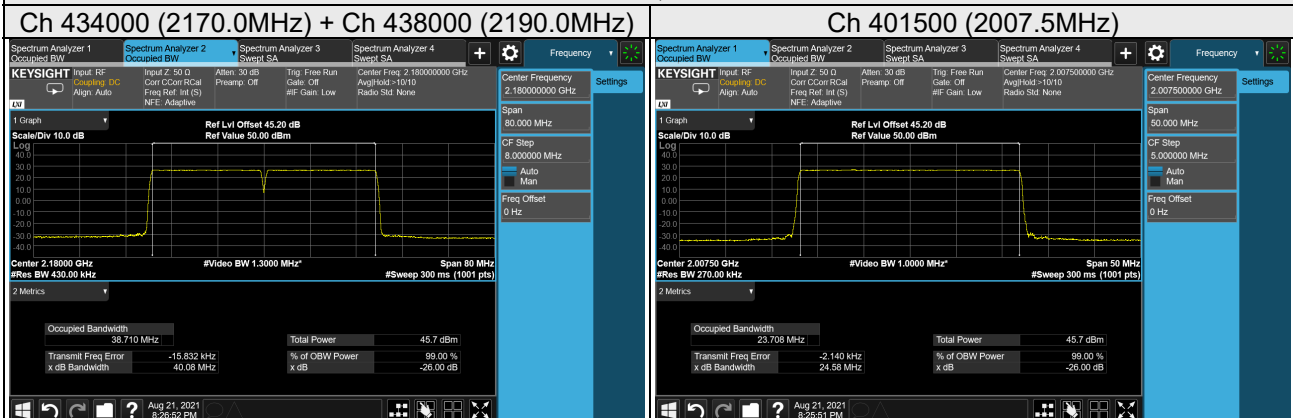
16QAM



64QAM



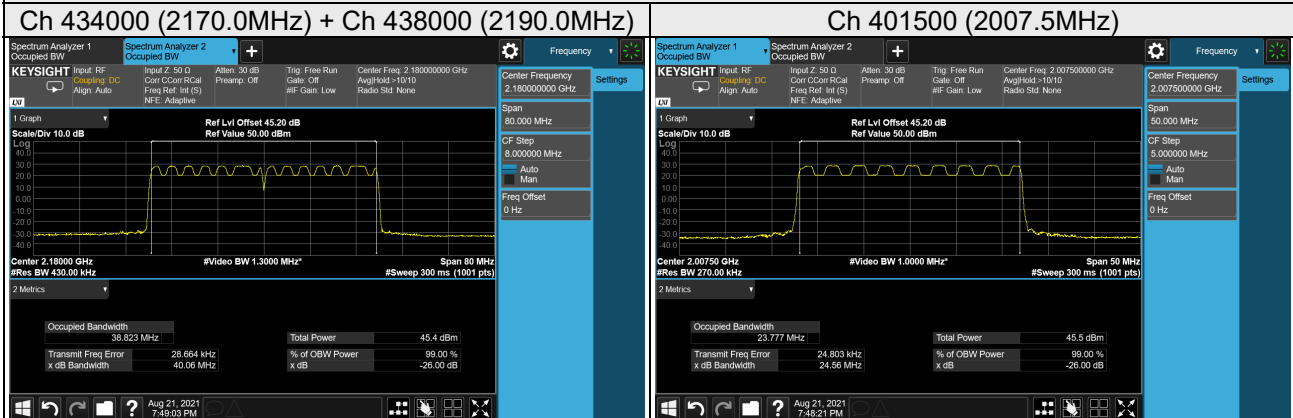
256QAM



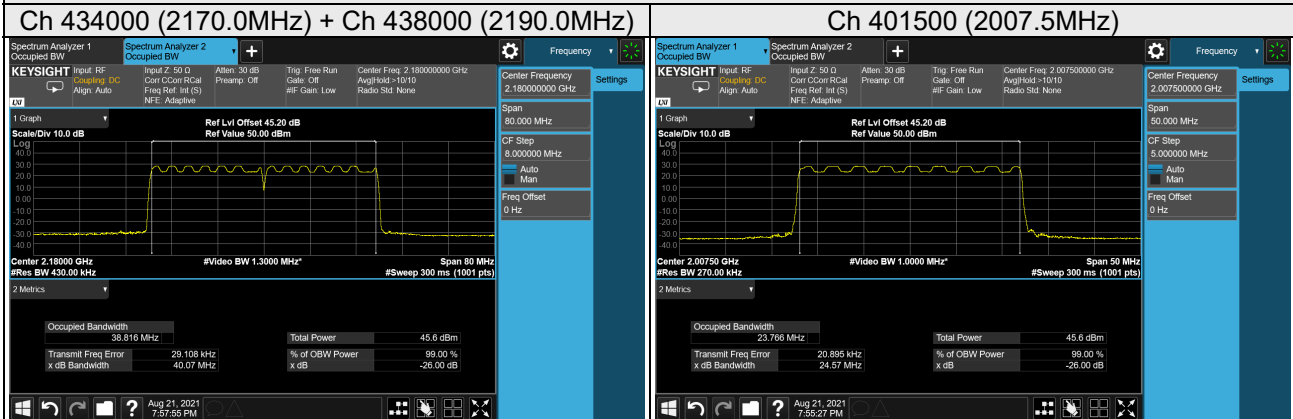
Ant. TX 3

Spectrum Plot of Worst Value

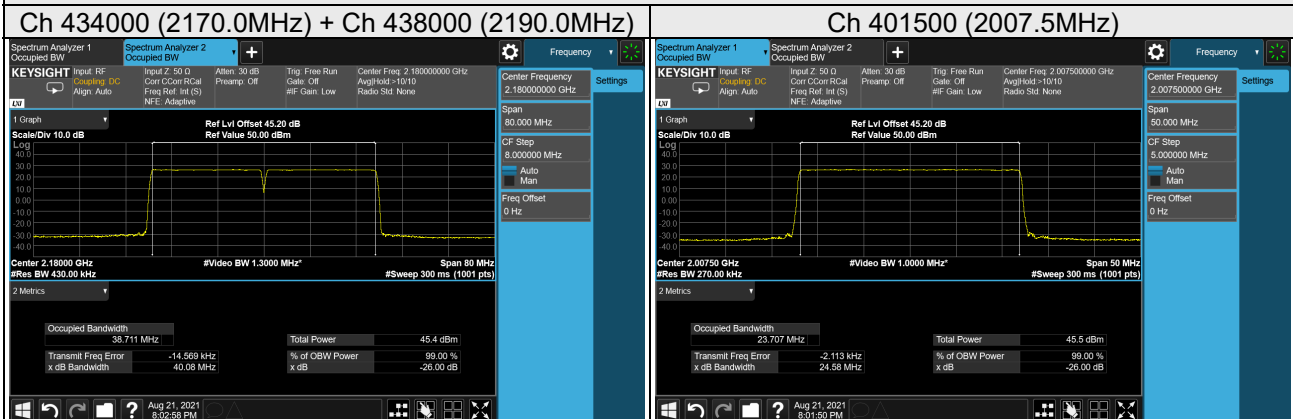
QPSK



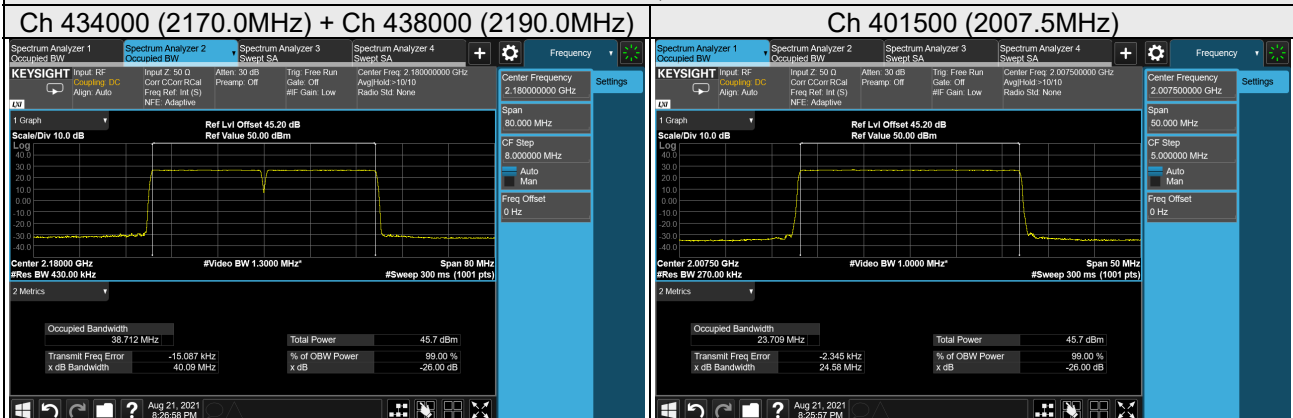
16QAM



64QAM



256QAM



### 4.3 Radiated Emission Measurement

#### 4.3.1 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.

#### 4.3.2 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

Correction Factor (dB) @ 3m =  $20\log(D) - 104.8$ ; where D is the measurement distance @3m = -95.26dB

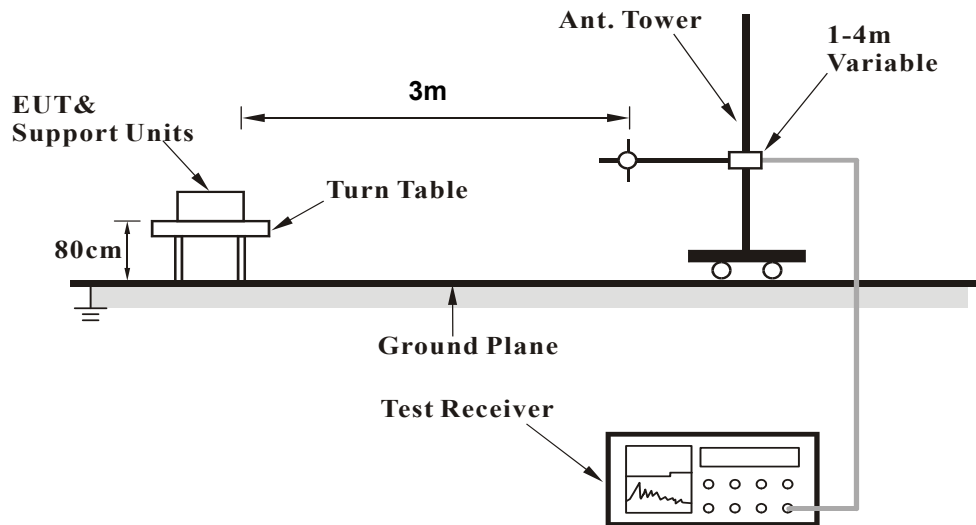
**NOTE:** The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

#### 4.3.3 Deviation from Test Standard

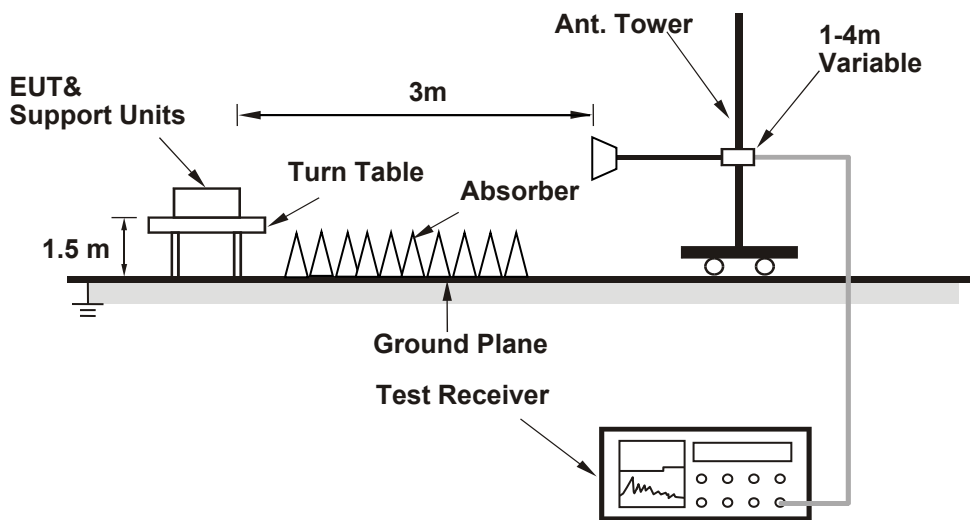
No deviation.

4.3.4 Test Setup

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



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

#### 4.3.5 Test Results (Mode 1)

##### Below 1GHz

Test Frequency	2190.0MHz + 2007.5MHz	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	31.70	-65.09	-13.00	-52.09	1.50 H	217	39.50	-104.59
2	109.15	-72.60	-13.00	-59.60	1.50 H	234	33.46	-106.06
3	148.37	-71.83	-13.00	-58.83	2.00 H	63	31.07	-102.90
4	196.15	-67.85	-13.00	-54.85	1.50 H	221	37.93	-105.78
5	309.97	-71.73	-13.00	-58.73	2.00 H	261	29.67	-101.40
6	484.77	-66.15	-13.00	-53.15	1.50 H	37	30.58	-96.73

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	31.37	-62.79	-13.00	-49.79	1.00 V	22	41.89	-104.68
2	46.82	-65.67	-13.00	-52.67	1.00 V	81	37.75	-103.42
3	105.46	-70.27	-13.00	-57.27	1.50 V	68	36.31	-106.58
4	159.47	-69.40	-13.00	-56.40	1.00 V	274	33.50	-102.90
5	197.57	-71.87	-13.00	-58.87	1.00 V	331	33.93	-105.80
6	378.41	-71.11	-13.00	-58.11	1.00 V	163	28.50	-99.61

##### 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	2190.0MHz + 2007.5MHz	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	4197.50	-64.24	-13.00	-51.24	1.50 H	205	-66.49	2.25
2	6296.25	-64.35	-13.00	-51.35	1.50 H	129	-70.50	6.15
3	8395.00	-62.18	-13.00	-49.18	2.00 H	137	-72.24	10.06
4	10493.75	-62.11	-13.00	-49.11	2.00 H	323	-75.88	13.77

**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	4197.50	-63.97	-13.00	-50.97	1.50 V	73	-66.22	2.25
2	6296.25	-63.50	-13.00	-50.50	1.00 V	42	-69.65	6.15
3	8395.00	-61.77	-13.00	-48.77	1.50 V	341	-71.83	10.06
4	10493.75	-60.88	-13.00	-47.88	1.00 V	163	-74.65	13.77

**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



#### 4.3.6 Test Results (Mode 2)

##### Below 1GHz

Test Frequency	2192.5MHz+2197.5MHz+ 1997.5MHz+2002.5MHz	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	30.89	-65.69	-13.00	-52.69	1.50 H	124	39.06	-104.75
2	109.14	-72.58	-13.00	-59.58	2.00 H	261	33.48	-106.06
3	148.55	-71.20	-13.00	-58.20	2.00 H	211	31.69	-102.89
4	196.22	-68.74	-13.00	-55.74	2.00 H	302	37.04	-105.78
5	311.01	-70.87	-13.00	-57.87	1.50 H	78	30.48	-101.35
6	485.89	-67.39	-13.00	-54.39	1.50 H	216	29.30	-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	30.57	-63.40	-13.00	-50.40	1.00 V	16	41.27	-104.67
2	47.59	-66.41	-13.00	-53.41	1.50 V	261	36.97	-103.38
3	106.70	-70.35	-13.00	-57.35	1.00 V	72	36.03	-106.38
4	159.04	-69.79	-13.00	-56.79	1.00 V	87	33.04	-102.83
5	197.99	-73.07	-13.00	-60.07	1.00 V	56	32.73	-105.80
6	379.28	-68.63	-13.00	-55.63	1.50 V	37	30.96	-99.59

##### 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	2192.5MHz+2197.5MHz+ 1997.5MHz+2002.5MHz	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	-63.63	-13.00	-50.63	1.50 H	96	29.39	-93.02
2	5243.75	-62.84	-13.00	-49.84	1.50 H	254	28.00	-90.84
3	6292.50	-63.66	-13.00	-50.66	1.50 H	121	25.49	-89.15
4	7341.25	-63.44	-13.00	-50.44	2.00 H	187	21.98	-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	-63.53	-13.00	-50.53	1.50 V	42	29.49	-93.02
2	5243.75	-62.62	-13.00	-49.62	1.50 V	124	28.22	-90.84
3	6292.50	-62.44	-13.00	-49.44	1.50 V	209	26.71	-89.15
4	7341.25	-62.87	-13.00	-49.87	1.50 V	211	22.55	-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

#### 4.3.7 Test Results (Mode 3)

##### Below 1GHz

Test Frequency	2142.5MHz+2197.5MHz+ 1997.5MHz+2017.5MHz	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	31.00	-65.52	-13.00	-52.52	1.50 H	242	39.26	-104.78
2	109.60	-72.80	-13.00	-59.80	1.50 H	321	33.24	-106.04
3	149.20	-71.38	-13.00	-58.38	1.50 H	337	31.47	-102.85
4	196.50	-69.18	-13.00	-56.18	2.00 H	258	36.61	-105.79
5	310.80	-70.99	-13.00	-57.99	1.50 H	231	30.37	-101.36
6	485.53	-67.22	-13.00	-54.22	1.50 H	76	29.48	-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	30.65	-63.58	-13.00	-50.58	1.00 V	137	41.11	-104.69
2	47.59	-66.01	-13.00	-53.01	1.00 V	26	37.37	-103.38
3	106.55	-69.84	-13.00	-56.84	1.50 V	93	36.57	-106.41
4	159.06	-70.11	-13.00	-57.11	1.00 V	82	32.72	-102.83
5	198.21	-73.07	-13.00	-60.07	1.50 V	134	32.74	-105.81
6	379.86	-67.99	-13.00	-54.99	1.00 V	275	31.59	-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	2142.5MHz+2197.5MHz+ 1997.5MHz+2017.5MHz	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	4177.50	-63.72	-13.00	-50.72	1.50 H	105	29.32	-93.04
2	5221.88	-62.59	-13.00	-49.59	2.00 H	133	28.23	-90.82
3	6266.25	-62.99	-13.00	-49.99	1.50 H	301	26.37	-89.36
4	7310.63	-63.81	-13.00	-50.81	1.50 H	261	21.79	-85.60

**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	4177.50	-63.48	-13.00	-50.48	1.50 V	138	29.56	-93.04
2	5221.88	-62.68	-13.00	-49.68	1.50 V	176	28.14	-90.82
3	6266.25	-62.48	-13.00	-49.48	1.50 V	328	26.88	-89.36
4	7310.63	-62.74	-13.00	-49.74	1.00 V	66	22.86	-85.60

**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

#### 4.3.8 Test Results (Mode 4)

##### Below 1GHz

Test Frequency	2192.5MHz+2197.5MHz+ 1997.5MHz+2002.5MHz	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	30.89	-65.69	-13.00	-52.69	1.50 H	144	39.06	-104.75
2	106.70	-69.69	-13.00	-56.69	1.00 H	123	36.69	-106.38
3	148.55	-71.20	-13.00	-58.20	1.50 H	142	31.69	-102.89
4	196.22	-68.74	-13.00	-55.74	1.00 H	281	37.04	-105.78
5	311.01	-70.87	-13.00	-57.87	1.50 H	261	30.48	-101.35
6	485.89	-67.39	-13.00	-54.39	1.50 H	22	29.30	-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	30.57	-63.40	-13.00	-50.40	1.00 V	132	41.27	-104.67
2	47.59	-66.41	-13.00	-53.41	1.50 V	29	36.97	-103.38
3	106.70	-70.35	-13.00	-57.35	1.50 V	108	36.03	-106.38
4	159.04	-69.79	-13.00	-56.79	1.50 V	282	33.04	-102.83
5	197.99	-73.07	-13.00	-60.07	1.00 V	232	32.73	-105.80
6	379.28	-68.63	-13.00	-55.63	1.50 V	84	30.96	-99.59

##### 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	2192.5MHz+2197.5MHz+ 1997.5MHz+2002.5MHz	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	-63.63	-13.00	-50.63	1.50 H	129	29.39	-93.02
2	5243.75	-62.84	-13.00	-49.84	1.50 H	128	28.00	-90.84
3	6292.50	-63.66	-13.00	-50.66	1.50 H	148	25.49	-89.15
4	7341.25	-63.44	-13.00	-50.44	1.50 H	82	21.98	-85.42
5	8390.00	-62.41	-13.00	-49.41	1.50 H	282	22.81	-85.22
6	9438.75	-62.66	-13.00	-49.66	1.50 H	28	20.74	-83.40

**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	-63.53	-13.00	-50.53	1.50 V	282	29.49	-93.02
2	5243.75	-62.62	-13.00	-49.62	1.50 V	198	28.22	-90.84
3	6292.50	-62.44	-13.00	-49.44	1.50 V	188	26.71	-89.15
4	7341.25	-62.87	-13.00	-49.87	1.50 V	192	22.55	-85.42
5	8390.00	-62.33	-13.00	-49.33	1.50 V	148	22.89	-85.22
6	9438.75	-62.14	-13.00	-49.14	1.50 V	254	21.26	-83.40

**Remarks:**

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

#### 4.3.9 Test Results (Mode 5)

##### Below 1GHz

Test Frequency	2142.5MHz+2197.5MHz+ 1997.5MHz+2017.5MHz	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	31.00	-65.52	-13.00	-52.52	1.00 H	126	39.26	-104.78
2	106.70	-70.35	-13.00	-57.35	1.50 H	108	36.03	-106.38
3	149.20	-71.38	-13.00	-58.38	1.50 H	106	31.47	-102.85
4	196.50	-69.18	-13.00	-56.18	1.00 H	146	36.61	-105.79
5	310.80	-70.99	-13.00	-57.99	1.50 H	264	30.37	-101.36
6	485.53	-67.22	-13.00	-54.22	1.00 H	98	29.48	-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	30.65	-63.58	-13.00	-50.58	1.50 V	37	41.11	-104.69
2	47.59	-66.01	-13.00	-53.01	1.50 V	261	37.37	-103.38
3	106.55	-69.84	-13.00	-56.84	1.00 V	175	36.57	-106.41
4	159.06	-70.11	-13.00	-57.11	1.50 V	39	32.72	-102.83
5	198.21	-73.07	-13.00	-60.07	1.00 V	281	32.74	-105.81
6	379.86	-67.99	-13.00	-54.99	1.50 V	132	31.59	-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	2142.5MHz+2197.5MHz+ 1997.5MHz+2017.5MHz	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	4177.50	-63.72	-13.00	-50.72	1.50 H	124	29.32	-93.04
2	5221.88	-62.59	-13.00	-49.59	1.50 H	342	28.23	-90.82
3	6566.25	-62.99	-13.00	-49.99	1.50 H	138	24.86	-87.85
4	7310.63	-63.81	-13.00	-50.81	1.50 H	26	21.79	-85.60
5	8355.00	-61.72	-13.00	-48.72	1.50 H	192	23.54	-85.26
6	9438.75	-62.97	-13.00	-49.97	2.00 H	284	20.43	-83.40

**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	4177.50	-63.48	-13.00	-50.48	1.50 V	242	29.56	-93.04
2	5221.88	-62.68	-13.00	-49.68	1.50 V	128	28.14	-90.82
3	6566.25	-62.48	-13.00	-49.48	1.50 V	94	25.37	-87.85
4	7310.63	-62.74	-13.00	-49.74	1.50 V	281	22.86	-85.60
5	8355.00	-62.51	-13.00	-49.51	1.50 V	186	22.75	-85.26
6	9438.75	-62.27	-13.00	-49.27	1.50 V	173	21.13	-83.40

**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



#### 4.3.10 Test Results (Mode 6)

##### Below 1GHz

Test Frequency	2170.0MHz + 2190.0MHz + 2007.5MHz	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	31.78	-65.52	-13.00	-52.52	1.50 H	96	39.05	-104.57
2	109.14	-72.81	-13.00	-59.81	1.50 H	267	33.25	-106.06
3	148.16	-72.30	-13.00	-59.30	2.00 H	328	30.61	-102.91
4	195.68	-67.96	-13.00	-54.96	1.50 H	124	37.80	-105.76
5	310.11	-71.59	-13.00	-58.59	1.00 H	26	29.81	-101.40
6	484.65	-66.21	-13.00	-53.21	1.50 H	224	30.52	-96.73

##### 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	31.77	-62.19	-13.00	-49.19	1.00 V	77	42.38	-104.57
2	46.49	-65.61	-13.00	-52.61	1.00 V	214	37.76	-103.37
3	105.57	-69.97	-13.00	-56.97	1.00 V	172	36.60	-106.57
4	160.07	-69.49	-13.00	-56.49	1.50 V	138	33.51	-103.00
5	197.26	-72.08	-13.00	-59.08	1.50 V	227	33.72	-105.80
6	378.29	-71.57	-13.00	-58.57	1.00 V	66	28.04	-99.61

##### 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	2170.0MHz + 2190.0MHz + 2007.5MHz	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	4245.00	-63.92	-13.00	-50.92	1.50 H	241	-66.22	2.30
2	6367.50	-64.95	-13.00	-51.95	2.00 H	187	-71.20	6.25
3	8490.00	-61.38	-13.00	-48.38	1.50 H	312	-71.93	10.55
4	10612.50	-62.08	-13.00	-49.08	1.50 H	76	-75.72	13.64

**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	4245.00	-63.60	-13.00	-50.60	1.50 V	217	-65.90	2.30
2	6367.50	-63.26	-13.00	-50.26	1.00 V	48	-69.51	6.25
3	8490.00	-61.42	-13.00	-48.42	1.50 V	305	-71.97	10.55
<b>4</b>	<b>10612.50</b>	<b>-60.52</b>	<b>-13.00</b>	<b>-47.52</b>	<b>1.50 V</b>	<b>261</b>	<b>-74.16</b>	<b>13.64</b>

**Remarks:**

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

#### 4.3.11 Test Results (Mode 7)

##### Below 1GHz

Test Frequency	2170.0MHz + 2190.0MHz + 2007.5MHz	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	31.72	-65.48	-13.00	-52.48	1.00 H	157	39.10	-104.58
2	109.58	-72.71	-13.00	-59.71	1.50 H	62	33.33	-106.04
3	148.56	-72.07	-13.00	-59.07	1.50 H	231	30.82	-102.89
4	195.80	-67.69	-13.00	-54.69	2.00 H	147	38.08	-105.77
5	309.76	-71.72	-13.00	-58.72	1.50 H	39	29.69	-101.41
6	484.82	-65.91	-13.00	-52.91	2.00 H	117	30.82	-96.73

##### 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	31.56	-62.34	-13.00	-49.34	1.00 V	69	42.28	-104.62
2	46.81	-65.87	-13.00	-52.87	1.00 V	247	37.55	-103.42
3	105.76	-70.25	-13.00	-57.25	1.50 V	317	36.30	-106.55
4	159.95	-69.33	-13.00	-56.33	1.50 V	78	33.66	-102.99
5	197.61	-72.13	-13.00	-59.13	1.00 V	332	33.67	-105.80
6	377.94	-71.42	-13.00	-58.42	1.00 V	52	28.19	-99.61

##### 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	2170.0MHz + 2190.0MHz + 2007.5MHz	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	4245.00	-64.14	-13.00	-51.14	1.50 H	65	-66.44	2.30
2	6367.50	-64.77	-13.00	-51.77	2.00 H	172	-71.02	6.25
3	8490.00	-61.69	-13.00	-48.69	1.50 H	269	-72.24	10.55
4	10612.50	-62.40	-13.00	-49.40	1.50 H	224	-76.04	13.64

**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	4245.00	-63.81	-13.00	-50.81	1.50 V	203	-66.11	2.30
2	6367.50	-63.44	-13.00	-50.44	1.50 V	47	-69.69	6.25
3	8490.00	-61.58	-13.00	-48.58	1.50 V	113	-72.13	10.55
4	10612.50	-60.74	-13.00	-47.74	1.50 V	35	-74.38	13.64

**Remarks:**

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = Reading (dB $\mu$ V/m) + Correction Factor @ 3m
2. Correction Factor (dB) = 20log(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 accredited and approved according to ISO/IEC 17025.

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

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