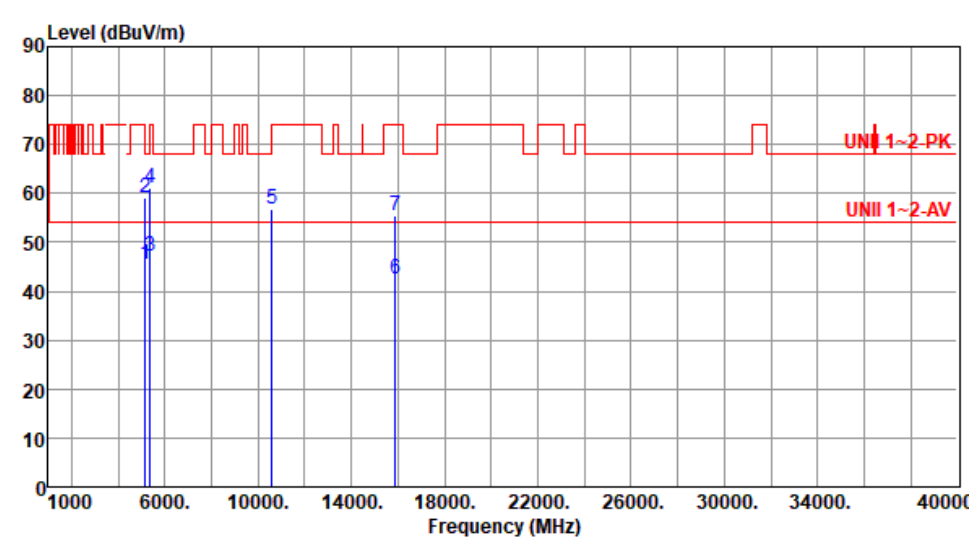
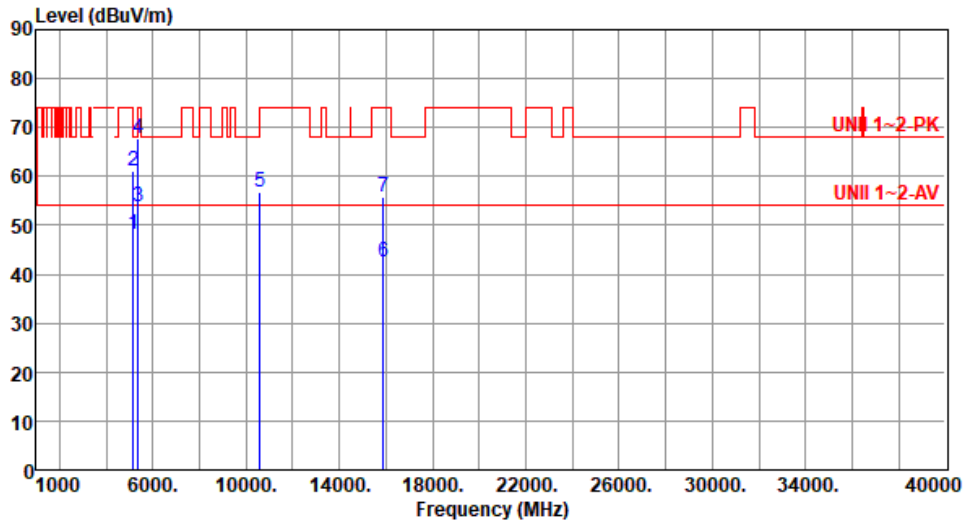


3.5.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax HE80-OFDMA

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5290						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):22 Humidity(%):64									
									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	45.61	54.00	-8.39	40.60	5.01	Average	105	231
2	5150.00	59.28	74.00	-14.72	54.27	5.01	Peak	105	231
3	5350.00	47.00	54.00	-7.00	42.58	4.42	Average	105	231
4	5350.00	61.01	74.00	-12.99	56.59	4.42	Peak	105	231
5	10580.00	56.63	68.20	-11.57	42.25	14.38	Peak	100	30
6	15870.00	42.53	54.00	-11.47	28.98	13.55	Average	100	40
7	15870.00	55.61	74.00	-18.39	42.06	13.55	Peak	100	40
<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>									

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5290
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	48.08	54.00	-5.92	43.07	5.01	Average	189	258
2	5150.00	61.21	74.00	-12.79	56.20	5.01	Peak	189	258
3	5350.00	53.78	54.00	-0.22	49.36	4.42	Average	189	258
4	5350.00	67.73	74.00	-6.27	63.31	4.42	Peak	189	258
5	10580.00	56.94	68.20	-11.26	42.56	14.38	Peak	100	60
6	15870.00	42.67	54.00	-11.33	29.12	13.55	Average	100	10
7	15870.00	55.68	74.00	-18.32	42.13	13.55	Peak	100	10

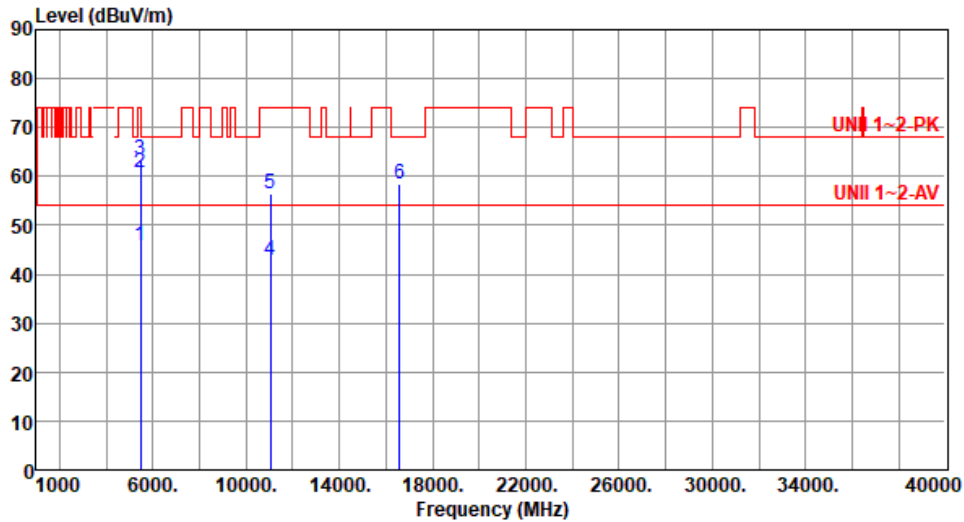
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5530
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.94	54.00	-8.06	41.27	4.67	Average	177	102
2	5460.00	60.83	74.00	-13.17	56.16	4.67	Peak	177	102
3	5470.00	63.29	68.20	-4.91	58.59	4.70	Peak	177	102
4	11060.00	42.84	54.00	-11.16	28.45	14.39	Average	100	40
5	11060.00	56.54	74.00	-17.46	42.15	14.39	Peak	100	40
6	16590.00	58.41	68.20	-9.79	42.37	16.04	Peak	100	40

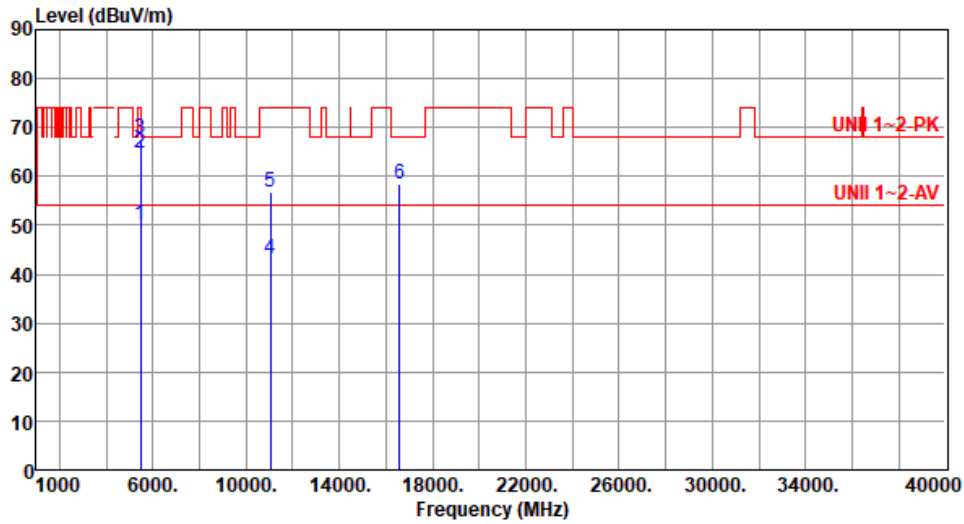
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5530
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	50.24	54.00	-3.76	45.57	4.67	Average	169	291
2	5460.00	64.79	74.00	-9.21	60.12	4.67	Peak	169	291
3	5470.00	67.74	68.20	-0.46	63.04	4.70	Peak	169	291
4	11060.00	43.08	54.00	-10.92	28.69	14.39	Average	100	30
5	11060.00	56.84	74.00	-17.16	42.45	14.39	Peak	100	30
6	16590.00	58.48	68.20	-9.72	42.44	16.04	Peak	100	80

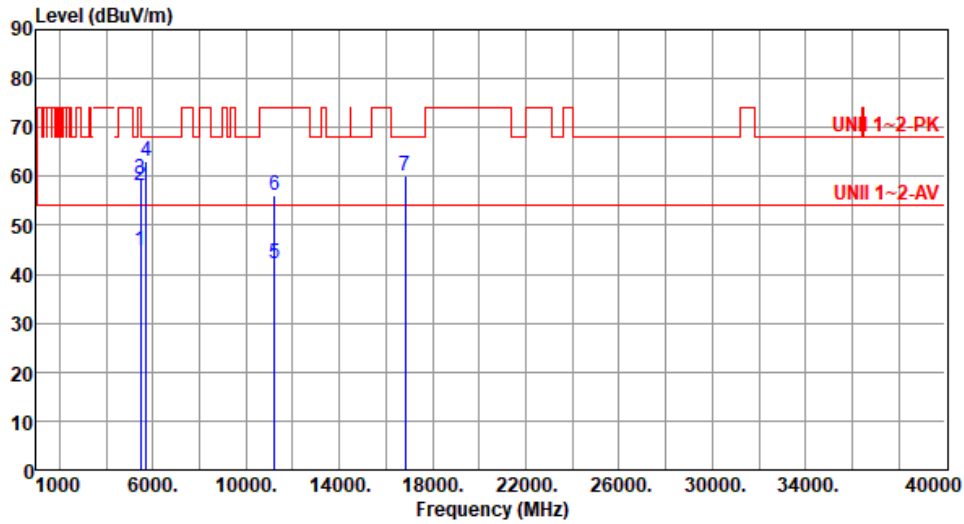
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5610
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.94	54.00	-9.06	40.27	4.67	Average	179	101
2	5460.00	58.27	74.00	-15.73	53.60	4.67	Peak	179	101
3	5470.00	59.56	68.20	-8.64	54.86	4.70	Peak	179	101
4	5725.00	63.02	68.20	-5.18	57.85	5.17	Peak	179	101
5	11220.00	42.23	54.00	-11.77	28.41	13.82	Average	100	30
6	11220.00	56.03	74.00	-17.97	42.21	13.82	Peak	100	30
7	16830.00	60.01	68.20	-8.19	42.55	17.46	Peak	100	90

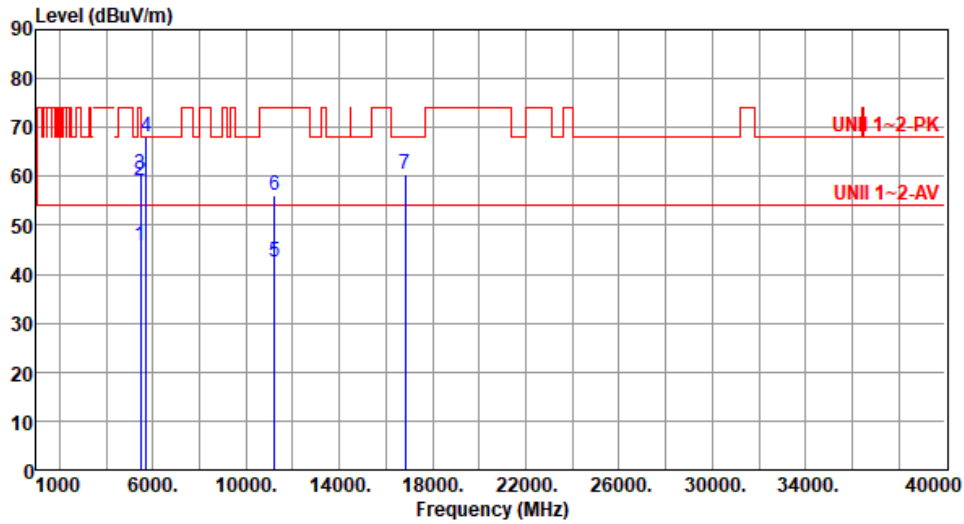
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5610
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%) :64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.94	54.00	-8.06	41.27	4.67	Average	170	264
2	5460.00	59.27	74.00	-14.73	54.60	4.67	Peak	170	264
3	5470.00	60.39	68.20	-7.81	55.69	4.70	Peak	170	264
4	5725.00	67.93	68.20	-0.27	62.76	5.17	Peak	170	264
5	11220.00	42.39	54.00	-11.61	28.57	13.82	Average	100	40
6	11220.00	56.15	74.00	-17.85	42.33	13.82	Peak	100	40
7	16830.00	60.33	68.20	-7.87	42.87	17.46	Peak	100	60

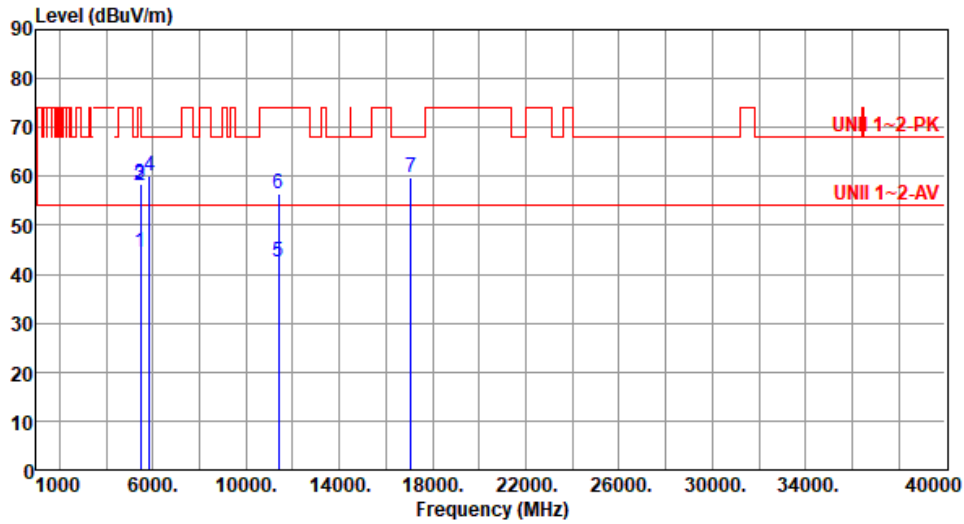
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5690
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.57	54.00	-9.43	39.90	4.67	Average	178	109
2	5460.00	58.14	74.00	-15.86	53.47	4.67	Peak	178	109
3	5470.00	58.56	68.20	-9.64	53.86	4.70	Peak	178	109
4	5850.00	60.21	68.20	-7.99	54.56	5.65	Peak	178	109
5	11380.00	42.51	54.00	-11.49	28.42	14.09	Average	100	40
6	11380.00	56.40	74.00	-17.60	42.31	14.09	Peak	100	40
7	17070.00	59.84	68.20	-8.36	42.47	17.37	Peak	100	90

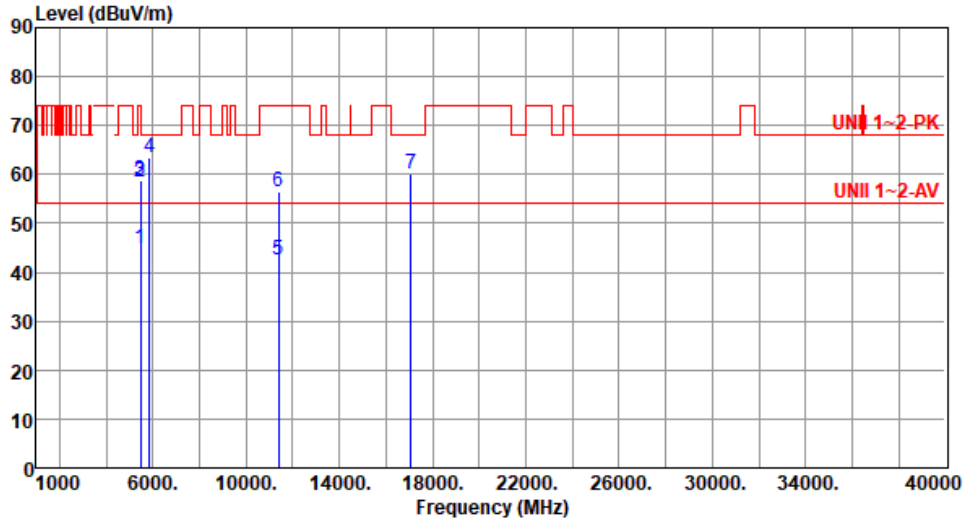
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5690
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.89	54.00	-9.11	40.22	4.67	Average	176	265
2	5460.00	58.32	74.00	-15.68	53.65	4.67	Peak	176	265
3	5470.00	58.91	68.20	-9.29	54.21	4.70	Peak	176	265
4	5850.00	63.34	68.20	-4.86	57.69	5.65	Peak	176	265
5	11380.00	42.65	54.00	-11.35	28.56	14.09	Average	100	60
6	11380.00	56.58	74.00	-17.42	42.49	14.09	Peak	100	60
7	17070.00	60.04	68.20	-8.16	42.67	17.37	Peak	100	40

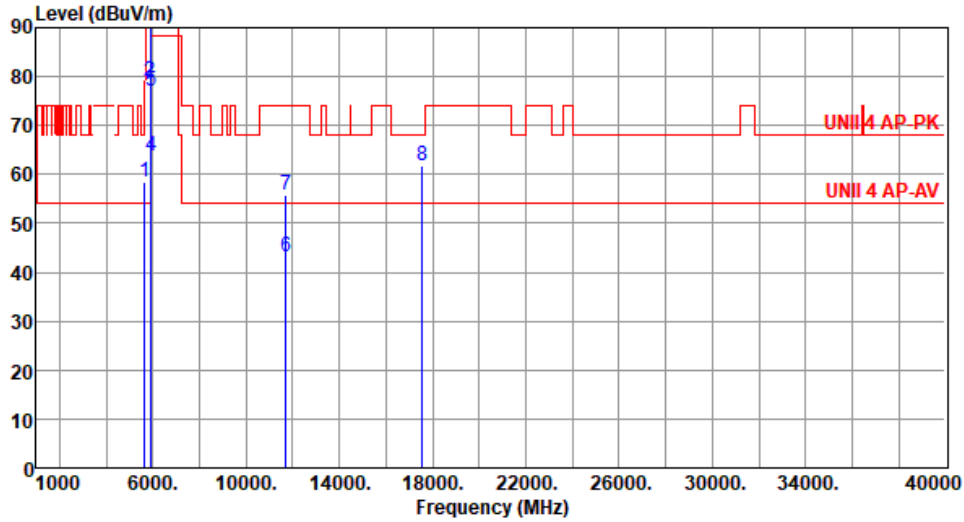
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5855
Polarization	Horizontal		

Test By :Roger Lu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.36	68.20	-9.84	53.55	4.81	Peak	162	103
2	5895.00	78.88	110.20	-31.32	73.23	5.65	Average	162	103
3	5895.00	92.91	130.20	-37.29	87.26	5.65	Peak	162	103
4	5925.00	63.73	88.20	-24.47	58.12	5.61	Average	162	103
5	5925.00	76.92	108.20	-31.28	71.31	5.61	Peak	162	103
6	11710.00	43.08	54.00	-10.92	29.48	13.60	Average	100	60
7	11710.00	55.94	74.00	-18.06	42.34	13.60	Peak	100	60
8	17565.00	61.62	68.20	-6.58	42.58	19.04	Peak	100	70

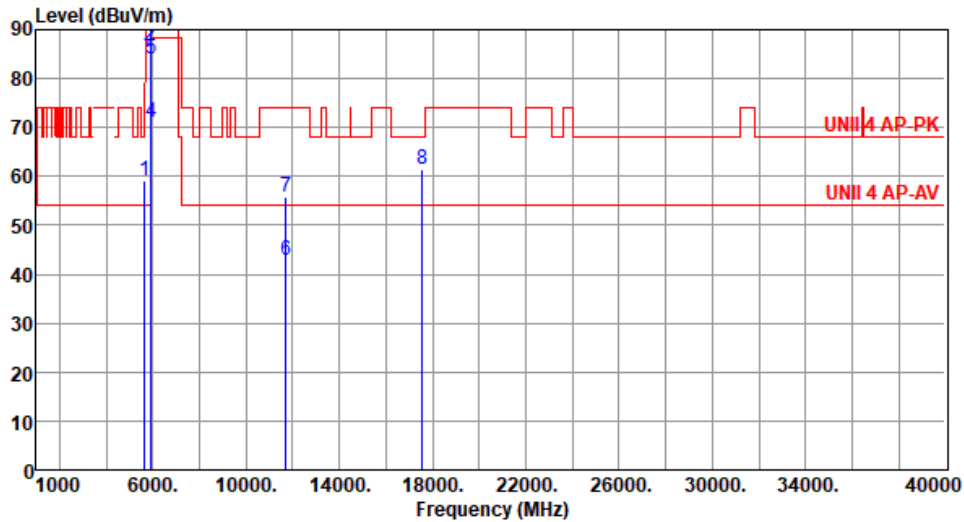
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5855
Polarization	Vertical		

Test By :Roger Lu Temperature(°C):22 Humidity(%):65



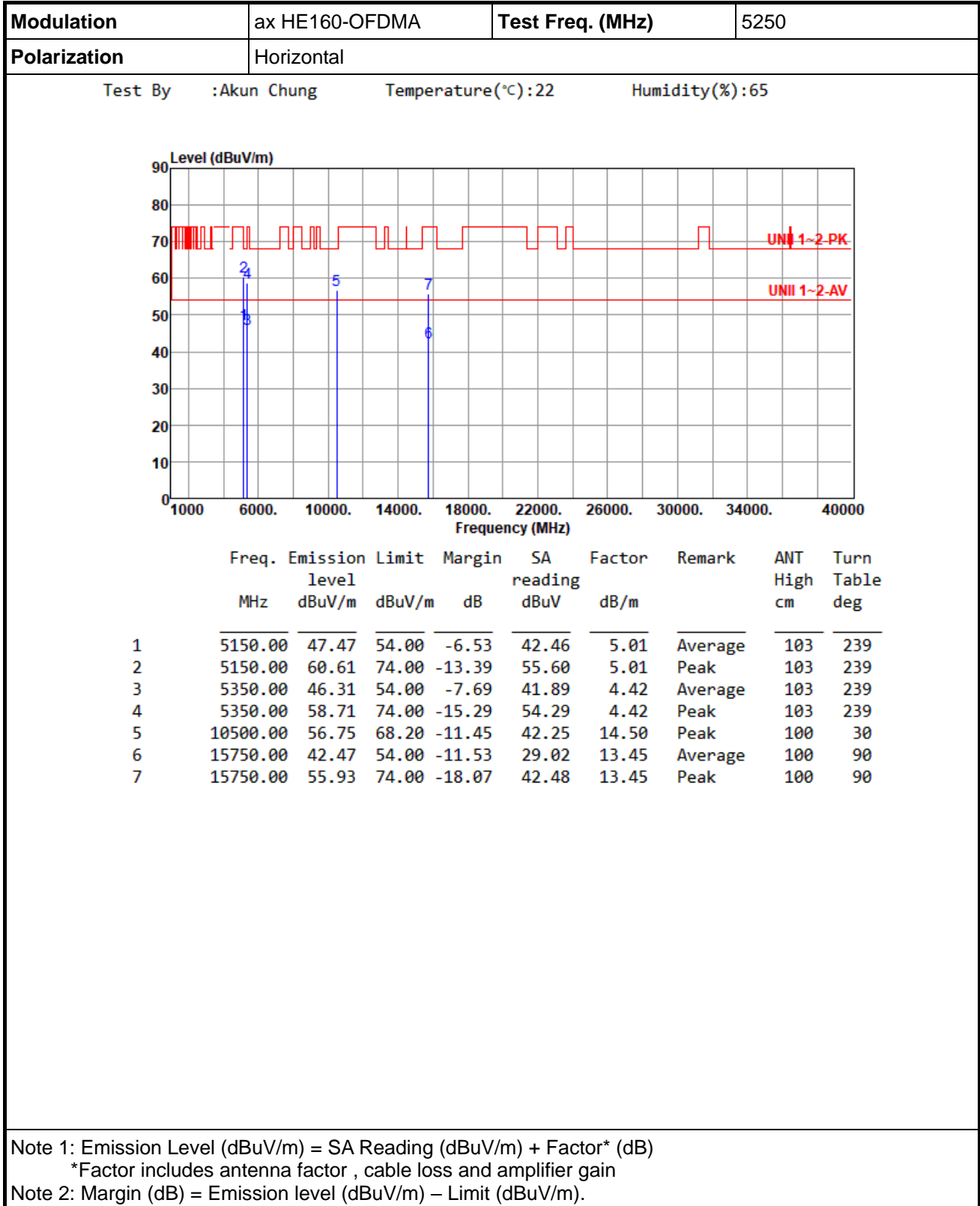
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.21	68.20	-8.99	54.40	4.81	Peak	198	316
2	5895.00	86.81	110.20	-23.39	81.16	5.65	Average	198	316
3	5895.00	100.75	130.20	-29.45	95.10	5.65	Peak	198	316
4	5925.00	71.04	88.20	-17.16	65.43	5.61	Average	198	316
5	5925.00	83.88	108.20	-24.32	78.27	5.61	Peak	198	316
6	11710.00	42.85	54.00	-11.15	29.25	13.60	Average	100	40
7	11710.00	55.76	74.00	-18.24	42.16	13.60	Peak	100	40
8	17565.00	61.43	68.20	-6.77	42.39	19.04	Peak	100	20

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

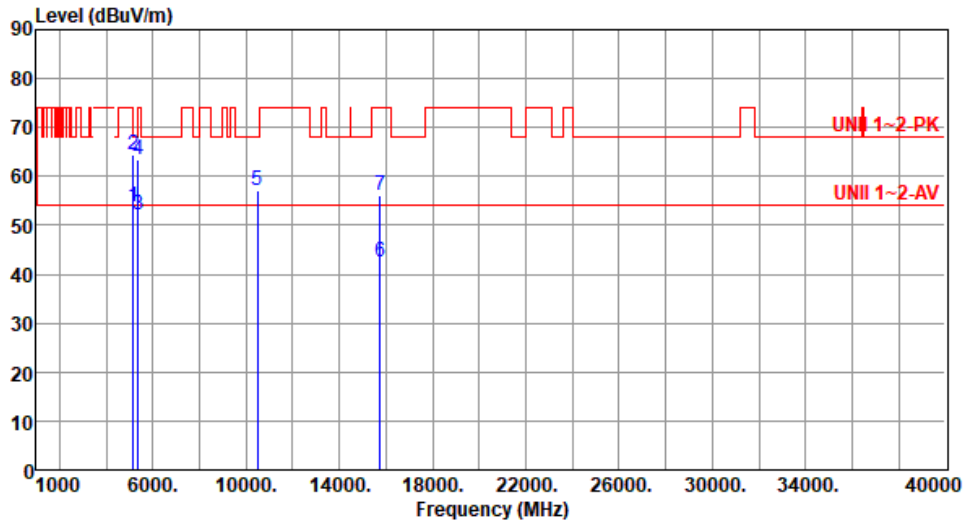
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.9 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax HE160-OFDMA



Modulation	ax HE160-OFDMA	Test Freq. (MHz)	5250
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 22 Humidity(%): 65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	53.68	54.00	-0.32	48.67	5.01	Average	163	257
2	5150.00	64.57	74.00	-9.43	59.56	5.01	Peak	163	257
3	5350.00	52.11	54.00	-1.89	47.69	4.42	Average	163	257
4	5350.00	63.30	74.00	-10.70	58.88	4.42	Peak	163	257
5	10500.00	57.09	68.20	-11.11	42.59	14.50	Peak	100	60
6	15750.00	42.60	54.00	-11.40	29.15	13.45	Average	100	30
7	15750.00	56.09	74.00	-17.91	42.64	13.45	Peak	100	30

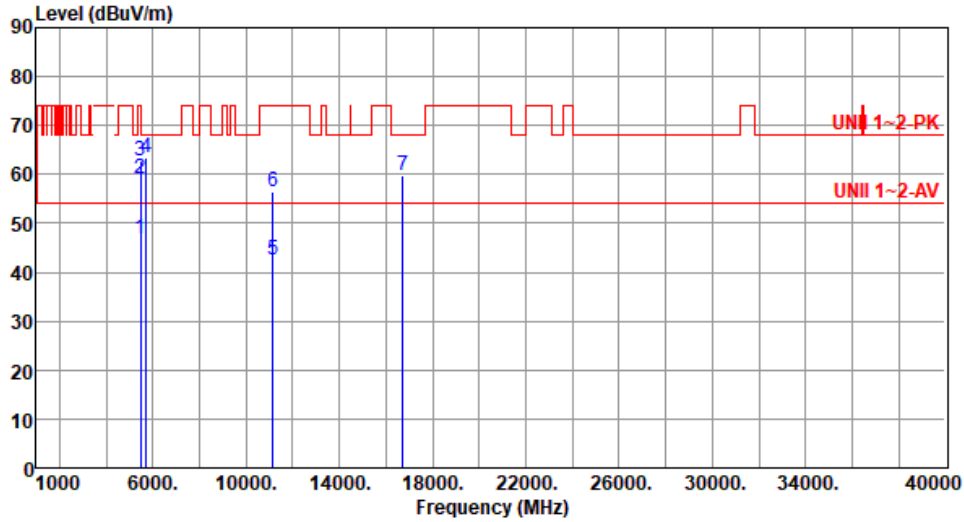
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE160-OFDMA	Test Freq. (MHz)	5570
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%) :64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.83	54.00	-7.17	42.16	4.67	Average	170	108
2	5460.00	59.01	74.00	-14.99	54.34	4.67	Peak	170	108
3	5470.00	62.68	68.20	-5.52	57.98	4.70	Peak	170	108
4	5725.00	63.32	68.20	-4.88	58.15	5.17	Peak	170	108
5	11140.00	42.47	54.00	-11.53	28.42	14.05	Average	100	30
6	11140.00	56.30	74.00	-17.70	42.25	14.05	Peak	100	30
7	16710.00	59.86	68.20	-8.34	42.86	17.00	Peak	100	90

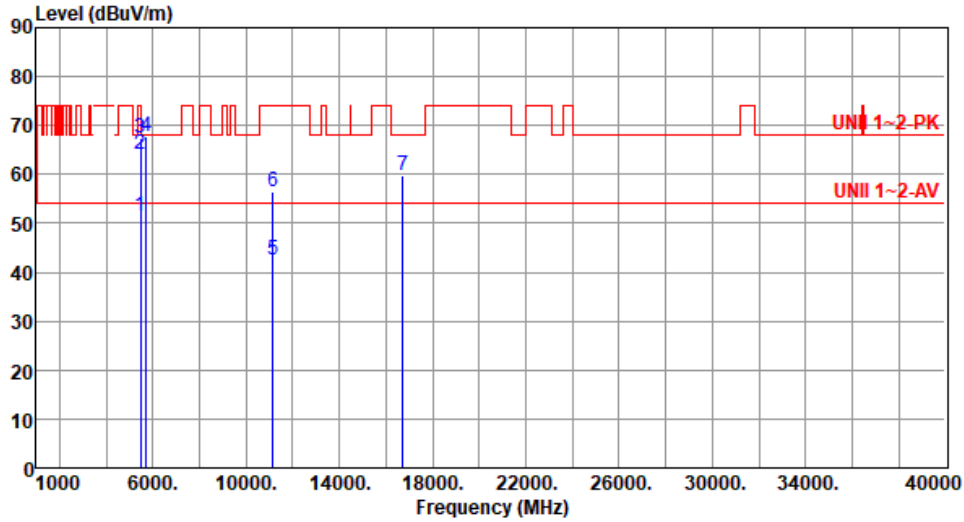
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE160-OFDMA	Test Freq. (MHz)	5570
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	51.39	54.00	-2.61	46.72	4.67	Average	169	262
2	5460.00	63.96	74.00	-10.04	59.29	4.67	Peak	169	262
3	5470.00	67.26	68.20	-0.94	62.56	4.70	Peak	169	262
4	5725.00	67.71	68.20	-0.49	62.54	5.17	Peak	169	262
5	11140.00	42.64	54.00	-11.36	28.59	14.05	Average	100	50
6	11140.00	56.42	74.00	-17.58	42.37	14.05	Peak	100	50
7	16710.00	59.90	68.20	-8.30	42.90	17.00	Peak	100	70

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

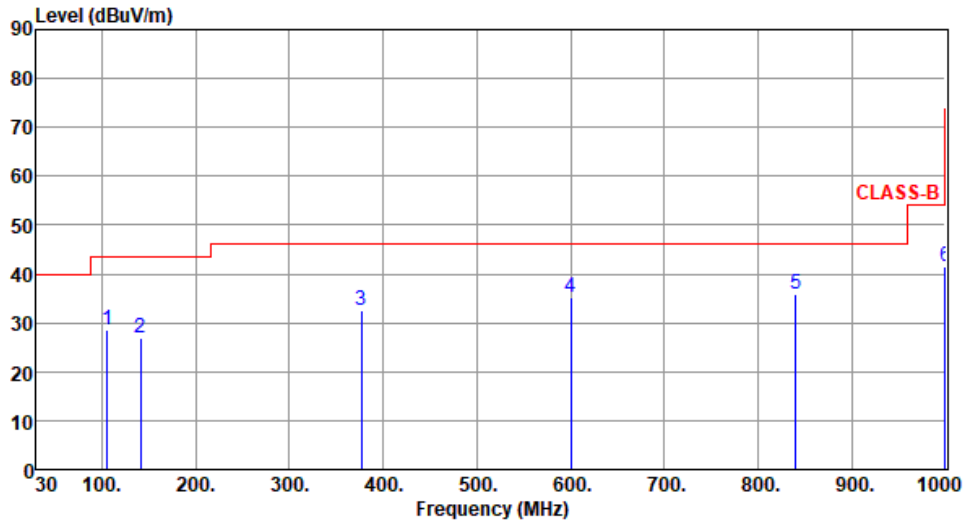
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Beamforming mode

3.5.10 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
Polarization	Horizontal		

Test By :Akun Chung Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	105.59	28.54	43.50	-14.96	40.82	-12.28	Peak	---	---
2	141.36	26.81	43.50	-16.69	36.01	-9.20	Peak	---	---
3	376.48	32.49	46.00	-13.51	38.79	-6.30	Peak	---	---
4	600.26	35.15	46.00	-10.85	36.16	-1.01	Peak	---	---
5	840.26	35.91	46.00	-10.09	33.41	2.50	Peak	---	---
6	999.88	41.58	54.00	-12.42	36.91	4.67	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

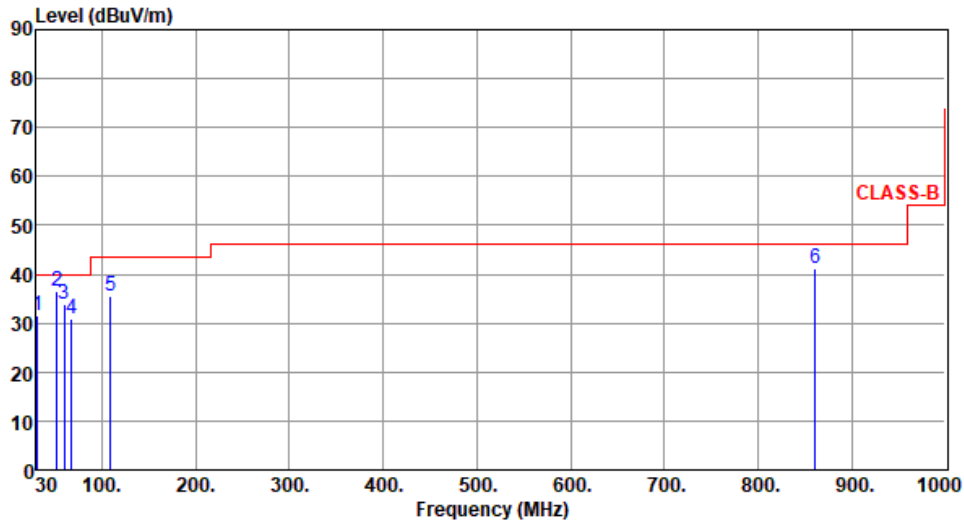
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 22 Humidity(%): 65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.86	31.67	40.00	-8.33	41.62	-9.95	Peak	---	---
2	51.89	36.49	40.00	-3.51	45.28	-8.79	Peak	---	---
3	59.58	33.91	40.00	-6.09	43.15	-9.24	Peak	---	---
4	67.55	30.91	40.00	-9.09	41.13	-10.22	Peak	---	---
5	109.58	35.67	43.50	-7.83	47.44	-11.77	Peak	---	---
6	861.26	41.22	46.00	-4.78	38.35	2.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

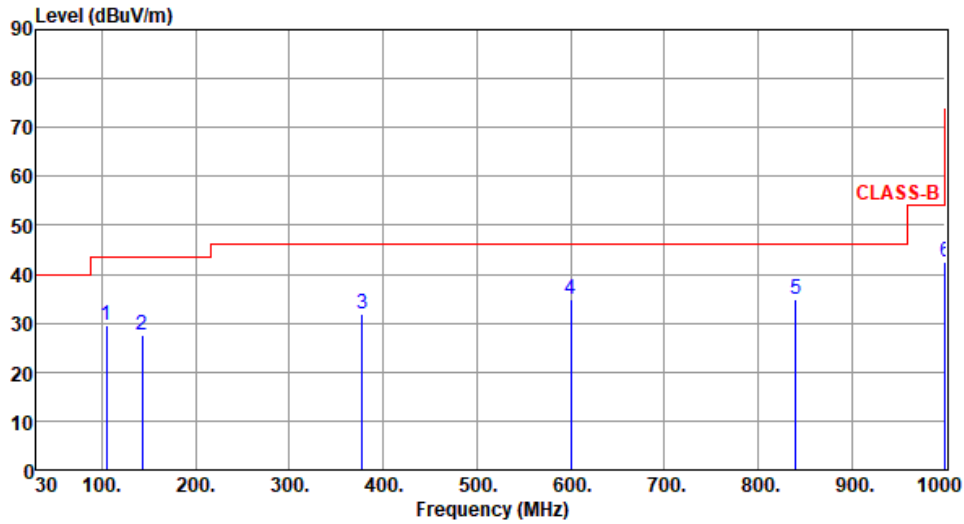
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Polarization	Horizontal		

Test By : Akun Chung Temperature(°C): 22 Humidity(%): 65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	104.91	29.65	43.50	-13.85	42.02	-12.37	Peak	---	---
2	142.56	27.59	43.50	-15.91	36.66	-9.07	Peak	---	---
3	377.59	31.81	46.00	-14.19	38.09	-6.28	Peak	---	---
4	600.59	34.81	46.00	-11.19	35.82	-1.01	Peak	---	---
5	840.26	34.91	46.00	-11.09	32.41	2.50	Peak	---	---
6	999.66	42.59	54.00	-11.41	37.92	4.67	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

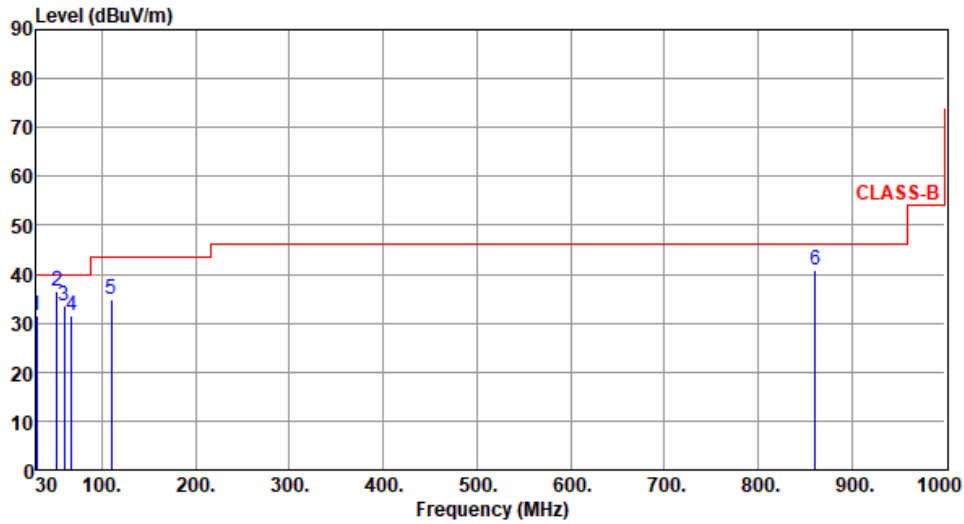
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 22 Humidity(%): 65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.54	31.45	40.00	-8.55	41.39	-9.94	Peak	---	---
2	51.68	36.45	40.00	-3.55	45.24	-8.79	Peak	---	---
3	59.68	33.49	40.00	-6.51	42.71	-9.22	Peak	---	---
4	67.89	31.59	40.00	-8.41	41.74	-10.15	Peak	---	---
5	110.25	34.81	43.50	-8.69	46.52	-11.71	Peak	---	---
6	861.26	40.95	46.00	-5.05	38.08	2.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

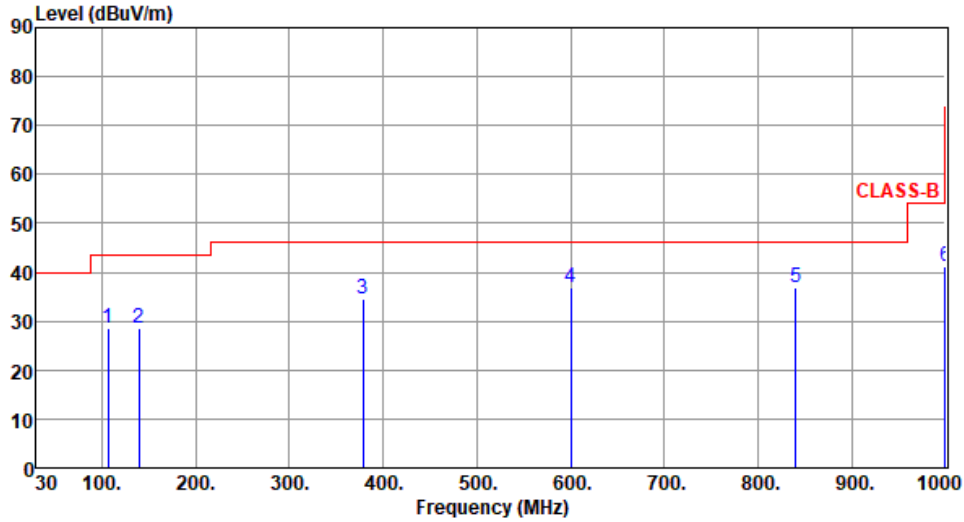
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Polarization	Horizontal		

Test By :Akun Chung Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	106.59	28.64	43.50	-14.86	40.76	-12.12	Peak	---	---
2	139.86	28.66	43.50	-14.84	37.90	-9.24	Peak	---	---
3	378.16	34.58	46.00	-11.42	40.84	-6.26	Peak	---	---
4	600.59	36.91	46.00	-9.09	37.92	-1.01	Peak	---	---
5	840.16	36.85	46.00	-9.15	34.36	2.49	Peak	---	---
6	999.89	41.25	54.00	-12.75	36.58	4.67	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

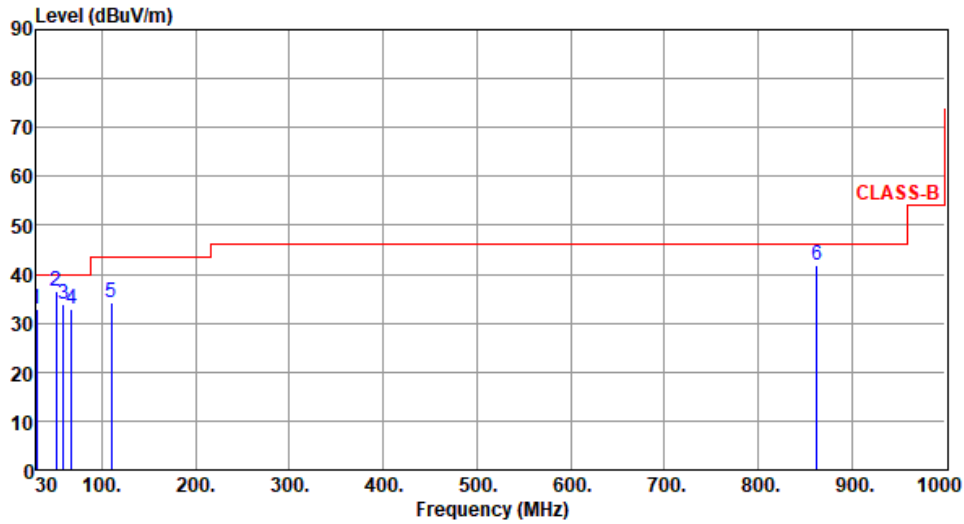
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 22 Humidity(%): 65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.25	32.78	40.00	-7.22	42.72	-9.94	Peak	---	---
2	51.39	36.55	40.00	-3.45	45.33	-8.78	Peak	---	---
3	59.12	33.89	40.00	-6.11	43.24	-9.35	Peak	---	---
4	67.59	32.91	40.00	-7.09	43.12	-10.21	Peak	---	---
5	110.29	34.28	43.50	-9.22	45.98	-11.70	Peak	---	---
6	862.49	41.79	46.00	-4.21	38.91	2.88	Peak	---	---

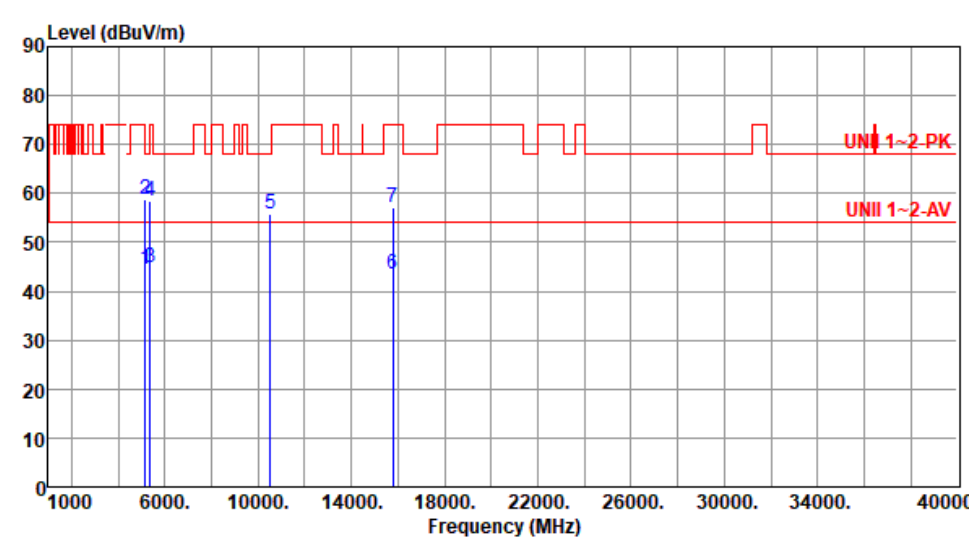
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

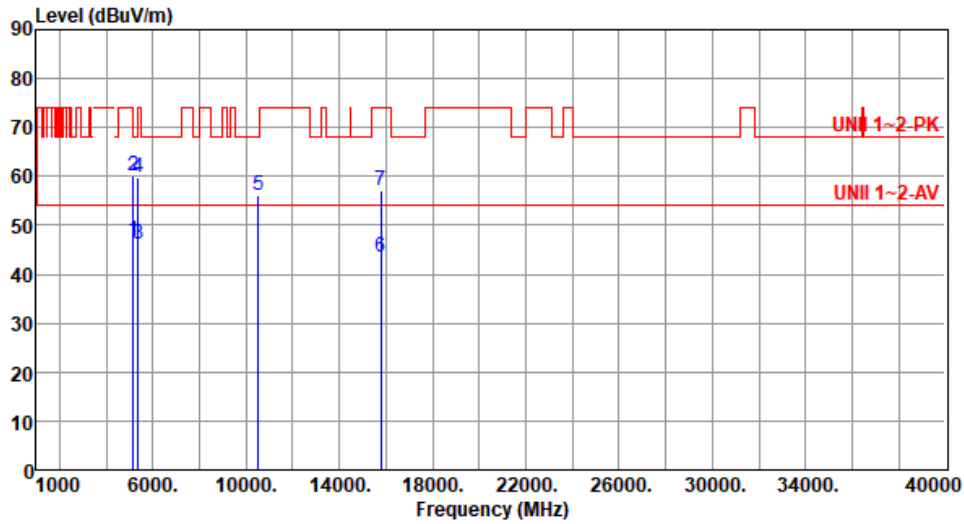
3.5.11 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax HE20-OFDMA

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5260						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):22 Humidity(%):65									
									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	44.51	54.00	-9.49	39.50	5.01	Average	100	9
2	5150.00	58.92	74.00	-15.08	53.91	5.01	Peak	100	9
3	5350.00	44.68	54.00	-9.32	40.26	4.42	Average	100	9
4	5350.00	58.54	74.00	-15.46	54.12	4.42	Peak	100	9
5	10520.00	55.92	68.20	-12.28	41.45	14.47	Peak	100	34
6	15780.00	43.42	54.00	-10.58	29.94	13.48	Average	100	29
7	15780.00	56.98	74.00	-17.02	43.50	13.48	Peak	100	29

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5260
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.68	54.00	-7.32	41.67	5.01	Average	176	256
2	5150.00	60.10	74.00	-13.90	55.09	5.01	Peak	176	256
3	5350.00	46.27	54.00	-7.73	41.85	4.42	Average	176	256
4	5350.00	59.68	74.00	-14.32	55.26	4.42	Peak	176	256
5	10520.00	56.06	68.20	-12.14	41.59	14.47	Peak	100	38
6	15780.00	43.63	54.00	-10.37	30.15	13.48	Average	100	12
7	15780.00	57.15	74.00	-16.85	43.67	13.48	Peak	100	12

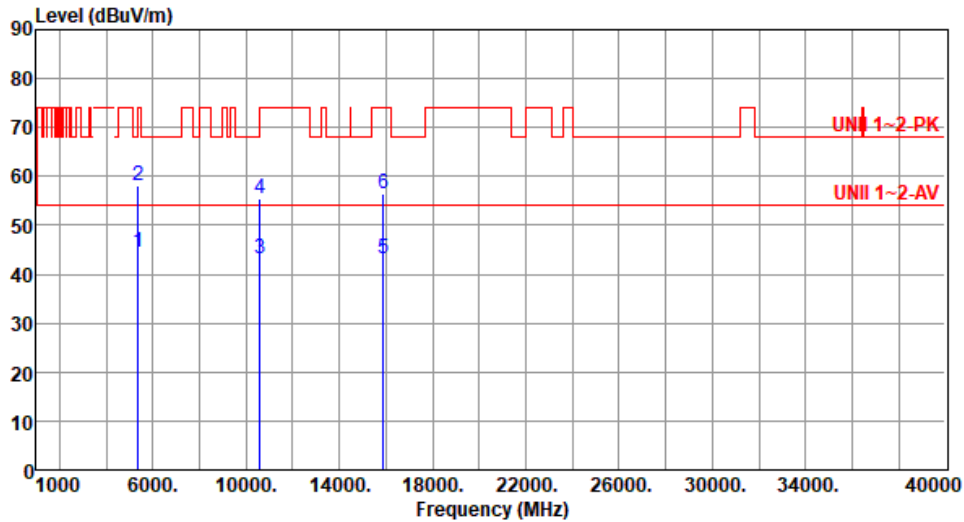
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.50	54.00	-9.50	40.08	4.42	Average	100	2
2	5350.00	58.03	74.00	-15.97	53.61	4.42	Peak	100	2
3	10600.00	43.12	54.00	-10.88	28.77	14.35	Average	100	19
4	10600.00	55.59	74.00	-18.41	41.24	14.35	Peak	100	19
5	15900.00	43.32	54.00	-10.68	29.75	13.57	Average	100	26
6	15900.00	56.46	74.00	-17.54	42.89	13.57	Peak	100	26

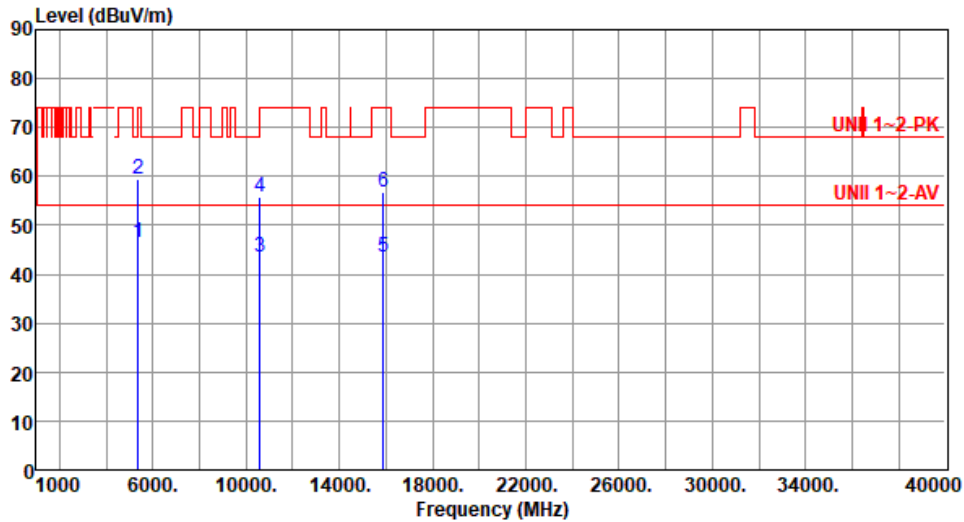
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.45	54.00	-7.55	42.03	4.42	Average	175	255
2	5350.00	59.44	74.00	-14.56	55.02	4.42	Peak	175	255
3	10600.00	43.46	54.00	-10.54	29.11	14.35	Average	100	45
4	10600.00	55.80	74.00	-18.20	41.45	14.35	Peak	100	45
5	15900.00	43.38	54.00	-10.62	29.81	13.57	Average	100	31
6	15900.00	56.82	74.00	-17.18	43.25	13.57	Peak	100	31

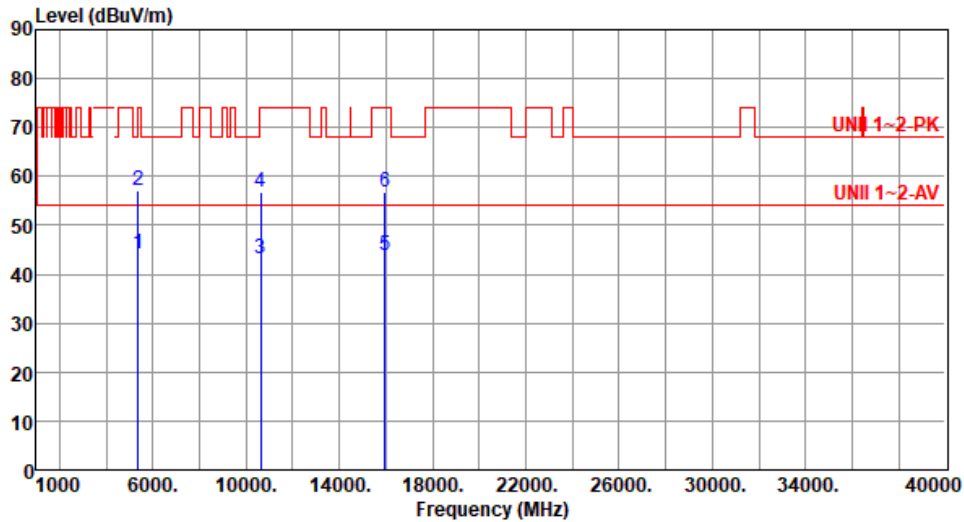
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5320
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.33	54.00	-9.67	39.91	4.42	Average	100	9
2	5350.00	57.16	74.00	-16.84	52.74	4.42	Peak	100	9
3	10640.00	43.28	54.00	-10.72	28.91	14.37	Average	100	45
4	10640.00	56.93	74.00	-17.07	42.56	14.37	Peak	100	45
5	15960.00	43.74	54.00	-10.26	30.06	13.68	Average	100	61
6	15960.00	56.79	74.00	-17.21	43.11	13.68	Peak	100	61

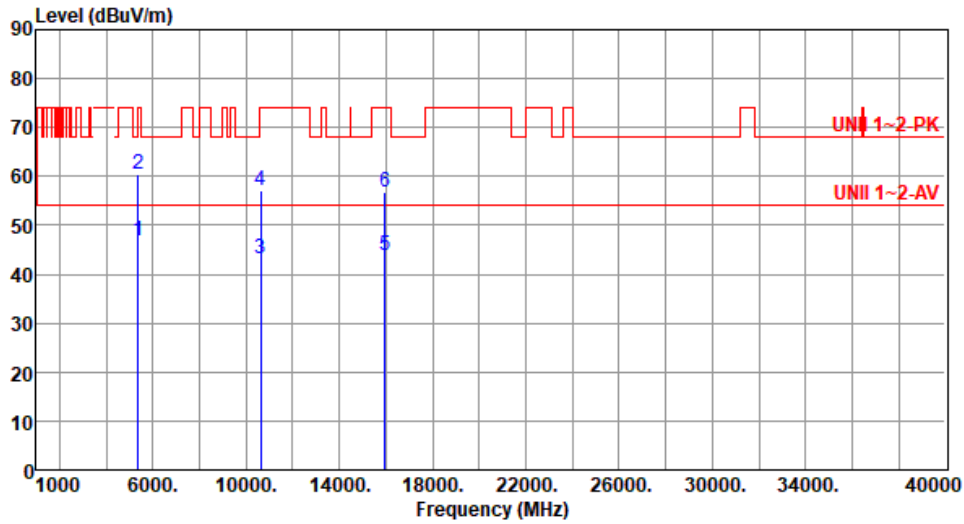
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5320
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65

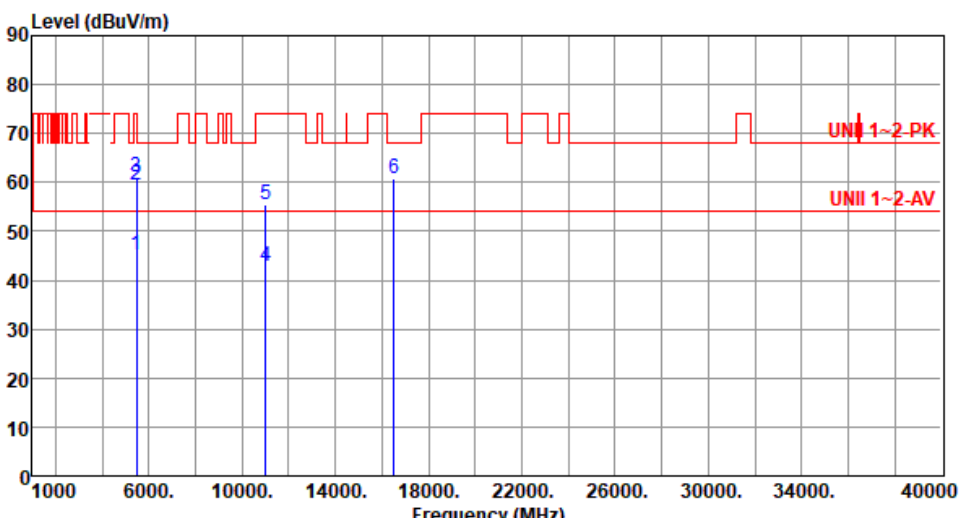


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.83	54.00	-7.17	42.41	4.42	Average	174	256
2	5350.00	60.32	74.00	-13.68	55.90	4.42	Peak	174	256
3	10640.00	43.29	54.00	-10.71	28.92	14.37	Average	100	14
4	10640.00	57.01	74.00	-16.99	42.64	14.37	Peak	100	14
5	15960.00	43.84	54.00	-10.16	30.16	13.68	Average	100	35
6	15960.00	56.94	74.00	-17.06	43.26	13.68	Peak	100	35

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

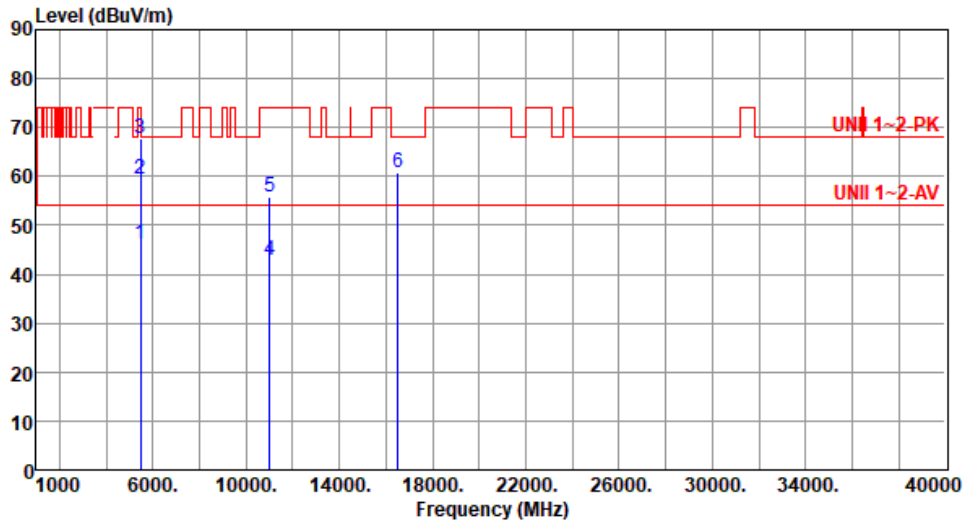
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5500						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):22 Humidity(%):65									
									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5460.00	45.07	54.00	-8.93	40.40	4.67	Average	179	85
2	5460.00	59.36	74.00	-14.64	54.69	4.67	Peak	179	85
3	5470.00	61.15	68.20	-7.05	56.45	4.70	Peak	179	85
4	11000.00	42.75	54.00	-11.25	28.10	14.65	Average	100	31
5	11000.00	55.41	74.00	-18.59	40.76	14.65	Peak	100	31
6	16500.00	60.65	68.20	-7.55	44.31	16.34	Peak	100	52

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5500
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.00	54.00	-8.00	41.33	4.67	Average	164	290
2	5460.00	59.44	74.00	-14.56	54.77	4.67	Peak	164	290
3	5470.00	67.75	68.20	-0.45	63.05	4.70	Peak	164	290
4	11000.00	42.82	54.00	-11.18	28.17	14.65	Average	100	46
5	11000.00	55.89	74.00	-18.11	41.24	14.65	Peak	100	46
6	16500.00	60.65	68.20	-7.55	44.31	16.34	Peak	100	28

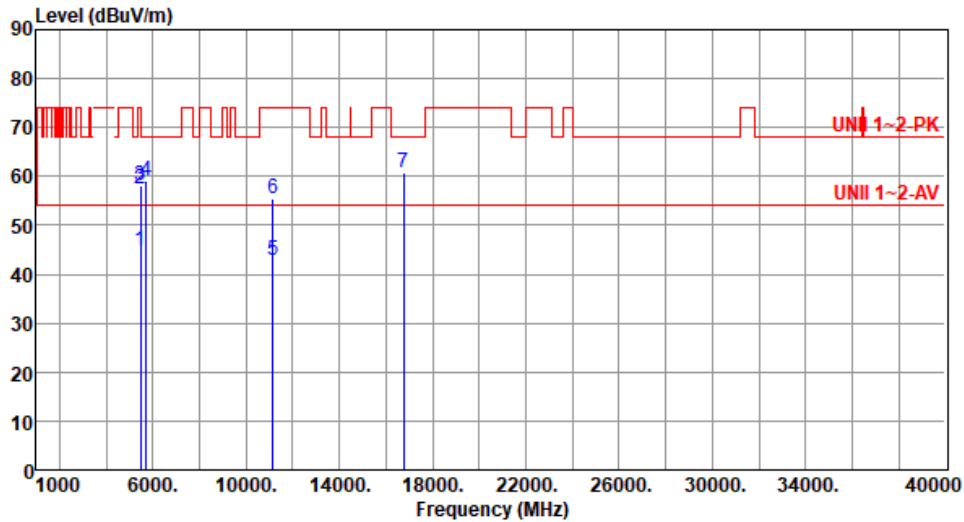
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5580
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.83	54.00	-9.17	40.16	4.67	Average	180	90
2	5460.00	57.44	74.00	-16.56	52.77	4.67	Peak	180	90
3	5470.00	58.03	68.20	-10.17	53.33	4.70	Peak	180	90
4	5725.00	59.02	68.20	-9.18	53.85	5.17	Peak	180	90
5	11160.00	42.81	54.00	-11.19	28.84	13.97	Average	100	29
6	11160.00	55.46	74.00	-18.54	41.49	13.97	Peak	100	29
7	16740.00	60.61	68.20	-7.59	43.44	17.17	Peak	100	45

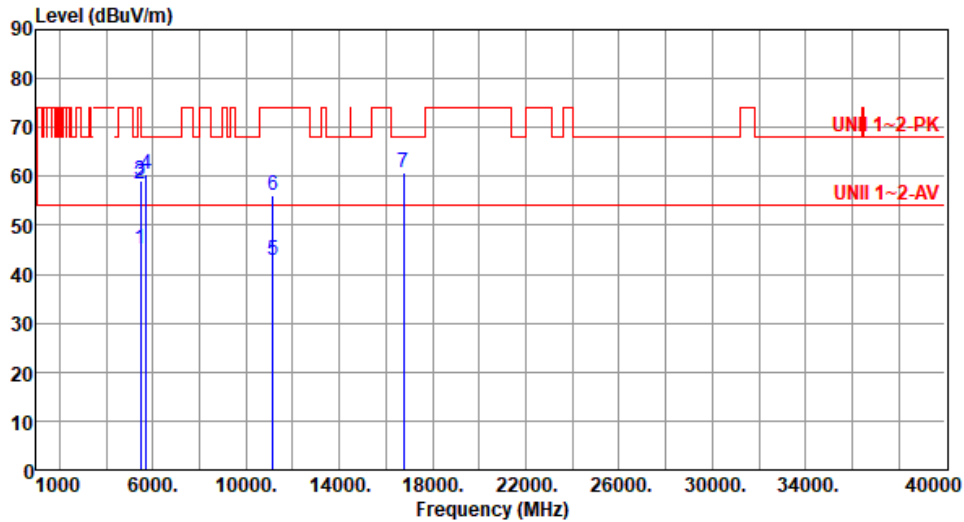
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5580
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.29	54.00	-8.71	40.62	4.67	Average	165	305
2	5460.00	58.49	74.00	-15.51	53.82	4.67	Peak	165	305
3	5470.00	59.01	68.20	-9.19	54.31	4.70	Peak	165	305
4	5725.00	60.59	68.20	-7.61	55.42	5.17	Peak	165	305
5	11160.00	42.89	54.00	-11.11	28.92	13.97	Average	100	35
6	11160.00	55.99	74.00	-18.01	42.02	13.97	Peak	100	35
7	16740.00	60.69	68.20	-7.51	43.52	17.17	Peak	100	21

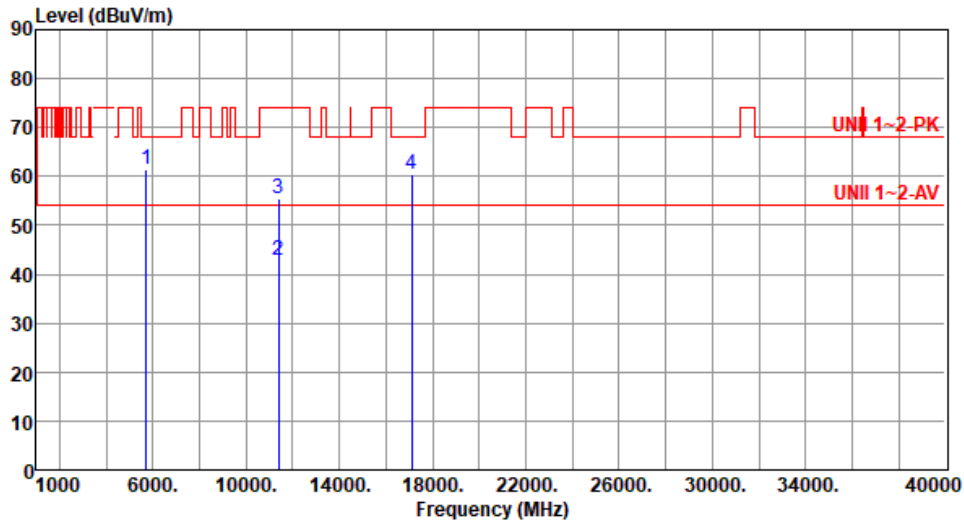
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5700
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	61.55	68.20	-6.65	56.38	5.17	Peak	181	95
2	11400.00	42.74	54.00	-11.26	28.60	14.14	Average	100	34
3	11400.00	55.38	74.00	-18.62	41.24	14.14	Peak	100	34
4	17100.00	60.45	68.20	-7.75	43.03	17.42	Peak	100	26

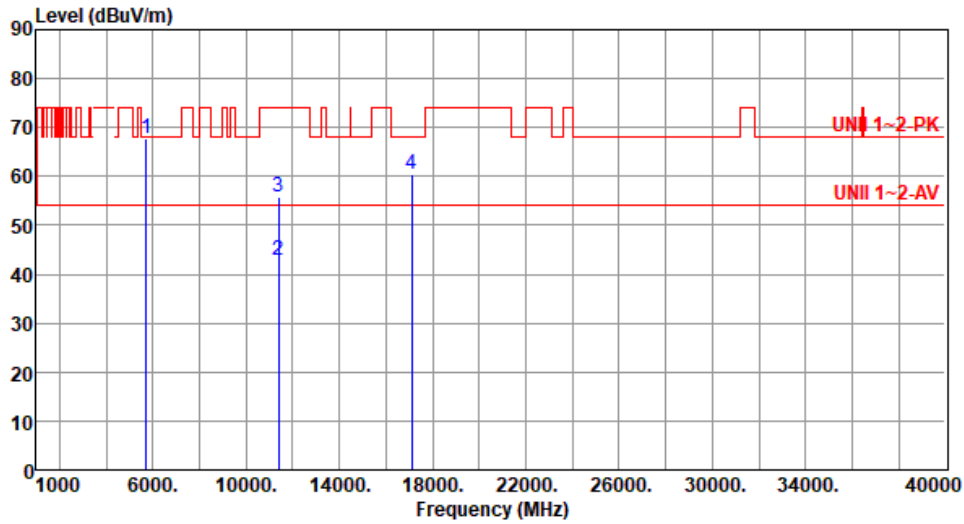
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5700
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	67.82	68.20	-0.38	62.65	5.17	Peak	172	308
2	11400.00	42.75	54.00	-11.25	28.61	14.14	Average	100	51
3	11400.00	55.84	74.00	-18.16	41.70	14.14	Peak	100	51
4	17100.00	60.58	68.20	-7.62	43.16	17.42	Peak	100	25

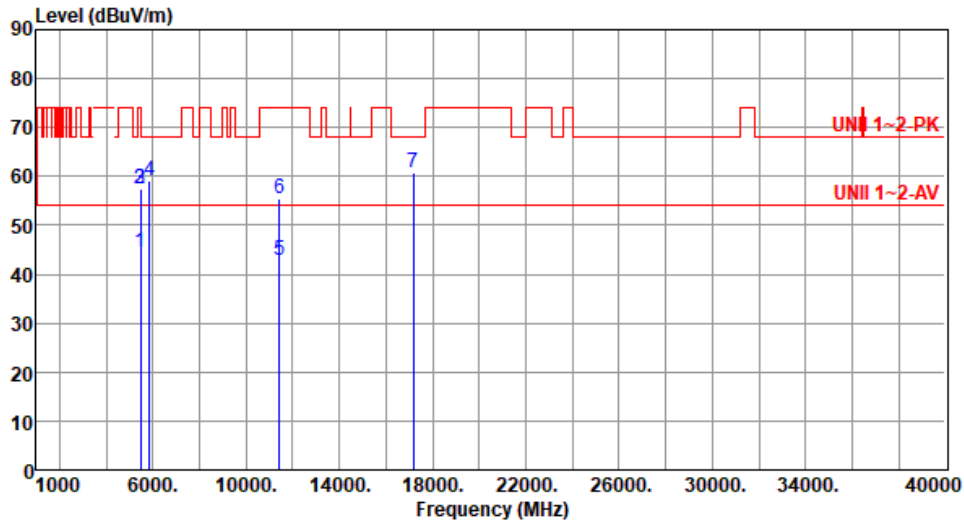
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5720
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%) :65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.45	54.00	-9.55	39.78	4.67	Average	181	96
2	5460.00	57.52	74.00	-16.48	52.85	4.67	Peak	181	96
3	5470.00	57.58	68.20	-10.62	52.88	4.70	Peak	181	96
4	5850.00	58.96	68.20	-9.24	53.31	5.65	Peak	181	96
5	11440.00	42.95	54.00	-11.05	28.69	14.26	Average	100	38
6	11440.00	55.61	74.00	-18.39	41.35	14.26	Peak	100	38
7	17160.00	60.84	68.20	-7.36	43.42	17.42	Peak	100	21

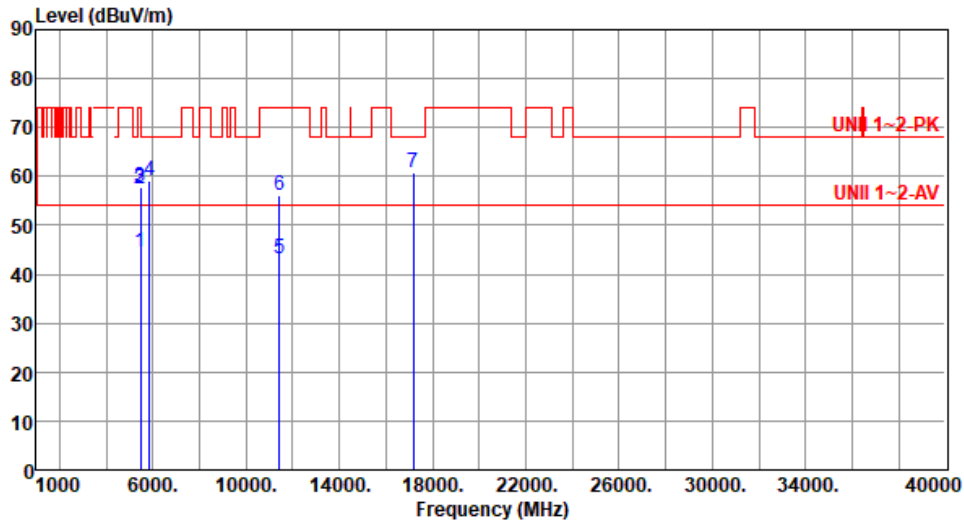
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5720
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%) :65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.53	54.00	-9.47	39.86	4.67	Average	183	271
2	5460.00	57.59	74.00	-16.41	52.92	4.67	Peak	183	271
3	5470.00	57.68	68.20	-10.52	52.98	4.70	Peak	183	271
4	5850.00	59.09	68.20	-9.11	53.44	5.65	Peak	183	271
5	11440.00	43.16	54.00	-10.84	28.90	14.26	Average	100	48
6	11440.00	56.21	74.00	-17.79	41.95	14.26	Peak	100	48
7	17160.00	60.94	68.20	-7.26	43.52	17.42	Peak	100	31

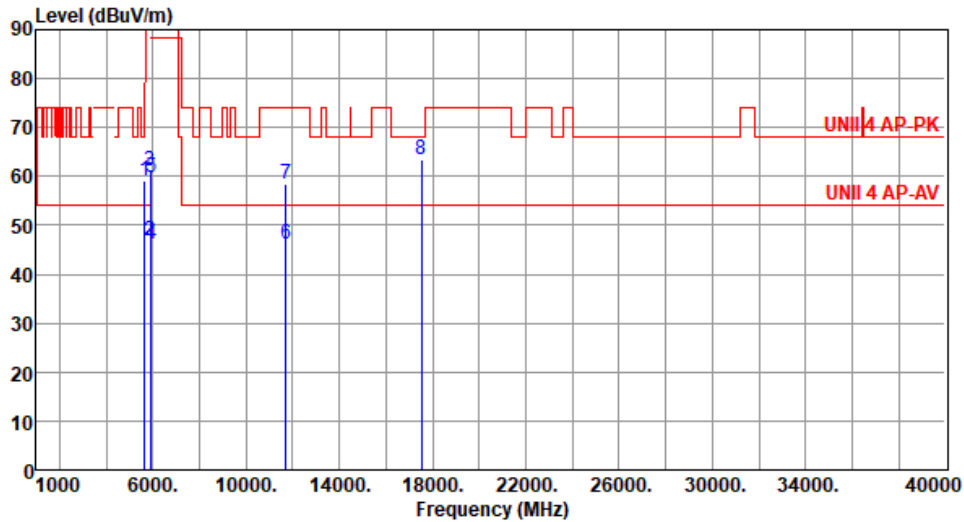
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Polarization	Horizontal		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.13	68.20	-9.07	54.32	4.81	Peak	260	257
2	5895.00	46.92	110.20	-63.28	41.27	5.65	Average	260	257
3	5895.00	61.05	130.20	-69.15	55.40	5.65	Peak	260	257
4	5925.00	46.28	88.20	-41.92	40.67	5.61	Average	260	257
5	5925.00	59.87	108.20	-48.33	54.26	5.61	Peak	260	257
6	11690.00	46.22	54.00	-7.78	32.53	13.69	Average	302	301
7	11690.00	58.46	74.00	-15.54	44.77	13.69	Peak	302	301
8	17535.00	63.30	68.20	-4.90	44.44	18.86	Peak	100	306

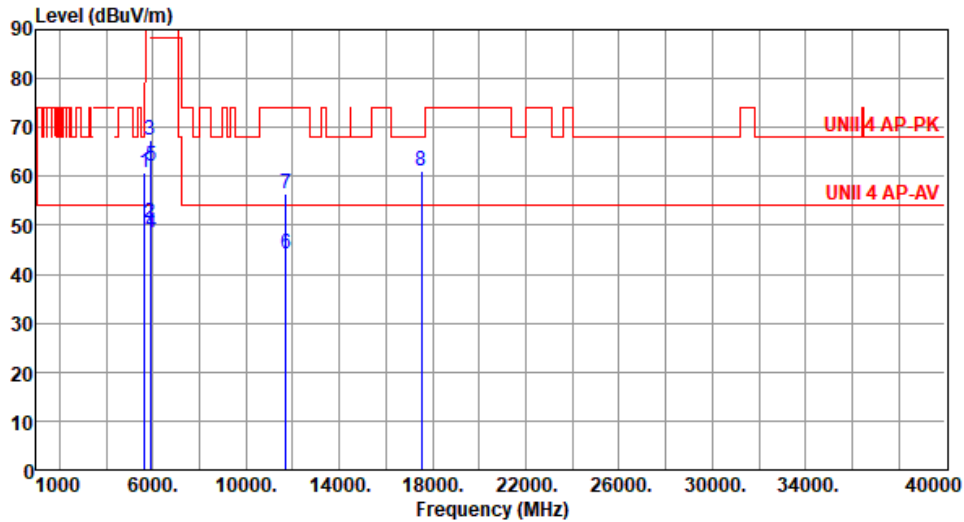
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	60.75	68.20	-7.45	55.94	4.81	Peak	182	307
2	5895.00	50.41	110.20	-59.79	44.76	5.65	Average	182	307
3	5895.00	67.32	130.20	-62.88	61.67	5.65	Peak	182	307
4	5925.00	48.45	88.20	-39.75	42.84	5.61	Average	182	307
5	5925.00	62.24	108.20	-45.96	56.63	5.61	Peak	182	307
6	11690.00	44.11	54.00	-9.89	30.42	13.69	Average	100	22
7	11690.00	56.36	74.00	-17.64	42.67	13.69	Peak	100	22
8	17535.00	61.16	68.20	-7.04	42.30	18.86	Peak	100	32

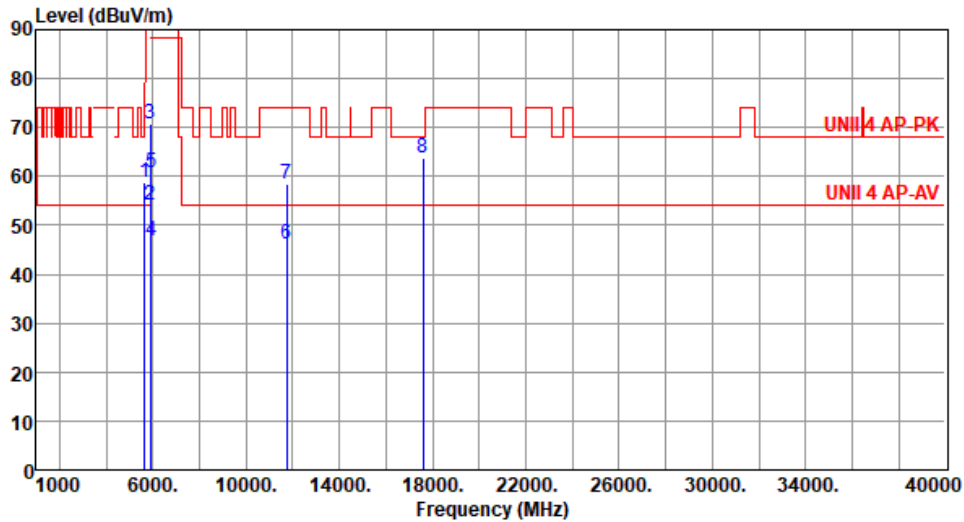
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5865
Polarization	Horizontal		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.83	68.20	-9.37	54.02	4.81	Peak	259	267
2	5895.00	54.21	110.20	-55.99	48.56	5.65	Average	259	267
3	5895.00	70.88	130.20	-59.32	65.23	5.65	Peak	259	267
4	5925.00	46.86	88.20	-41.34	41.25	5.61	Average	259	267
5	5925.00	60.72	108.20	-47.48	55.11	5.61	Peak	259	267
6	11730.00	46.10	54.00	-7.90	32.54	13.56	Average	305	300
7	11730.00	58.43	74.00	-15.57	44.87	13.56	Peak	305	300
8	17595.00	63.77	68.20	-4.43	44.56	19.21	Peak	100	302

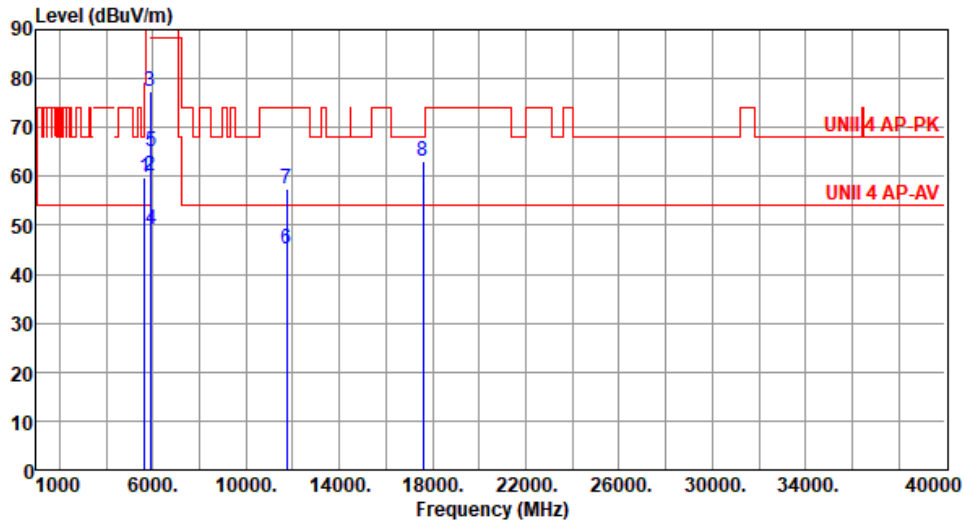
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5865
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.67	68.20	-8.53	54.86	4.81	Peak	170	305
2	5895.00	59.99	110.20	-50.21	54.34	5.65	Average	170	305
3	5895.00	77.21	130.20	-52.99	71.56	5.65	Peak	170	305
4	5925.00	49.27	88.20	-38.93	43.66	5.61	Average	170	305
5	5925.00	65.25	108.20	-42.95	59.64	5.61	Peak	170	305
6	11730.00	45.21	54.00	-8.79	31.65	13.56	Average	100	25
7	11730.00	57.43	74.00	-16.57	43.87	13.56	Peak	100	25
8	17595.00	63.09	68.20	-5.11	43.88	19.21	Peak	100	25

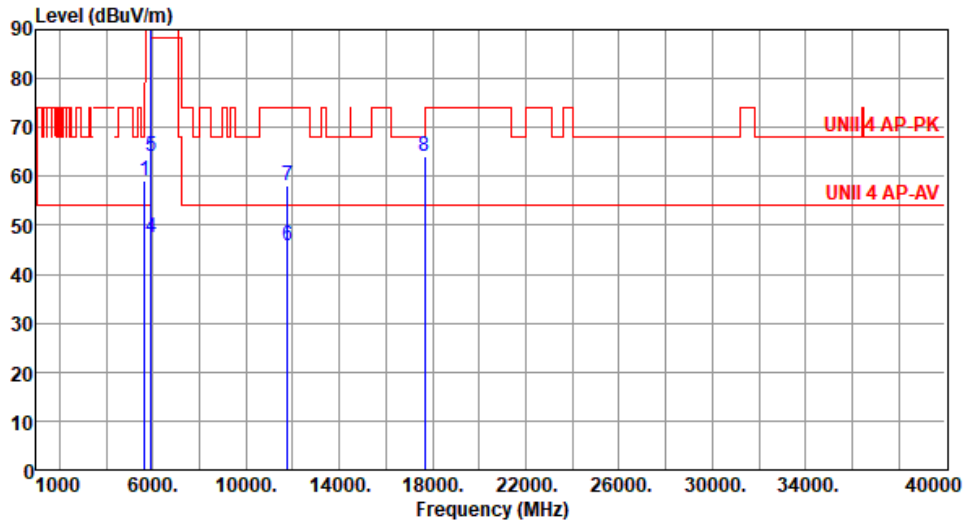
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5885
Polarization	Horizontal		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.95	68.20	-9.25	54.14	4.81	Peak	258	266
2	5895.00	88.88	110.20	-21.32	83.23	5.65	Average	258	266
3	5895.00	101.12	130.20	-29.08	95.47	5.65	Peak	258	266
4	5925.00	47.48	88.20	-40.72	41.87	5.61	Average	258	266
5	5925.00	64.04	108.20	-44.16	58.43	5.61	Peak	258	266
6	11770.00	45.91	54.00	-8.09	32.46	13.45	Average	298	308
7	11770.00	58.23	74.00	-15.77	44.78	13.45	Peak	298	308
8	17655.00	64.13	68.20	-4.07	44.46	19.67	Peak	100	310

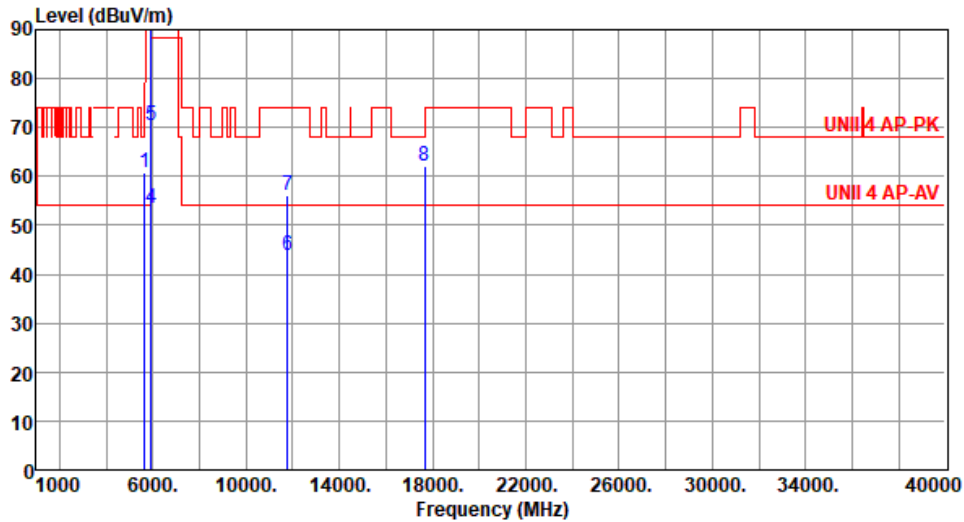
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5885
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



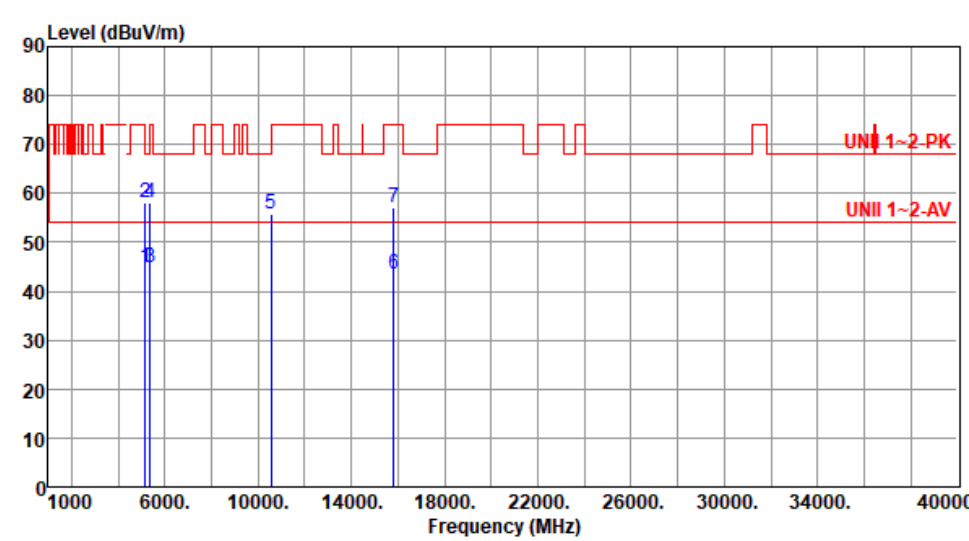
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	60.68	68.20	-7.52	55.87	4.81	Peak	166	310
2	5895.00	95.16	110.20	-15.04	89.51	5.65	Average	166	310
3	5895.00	107.21	130.20	-22.99	101.56	5.65	Peak	166	310
4	5925.00	53.56	88.20	-34.64	47.95	5.61	Average	166	310
5	5925.00	70.46	108.20	-37.74	64.85	5.61	Peak	166	310
6	11770.00	43.71	54.00	-10.29	30.26	13.45	Average	100	22
7	11770.00	56.02	74.00	-17.98	42.57	13.45	Peak	100	22
8	17655.00	61.99	68.20	-6.21	42.32	19.67	Peak	100	27

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

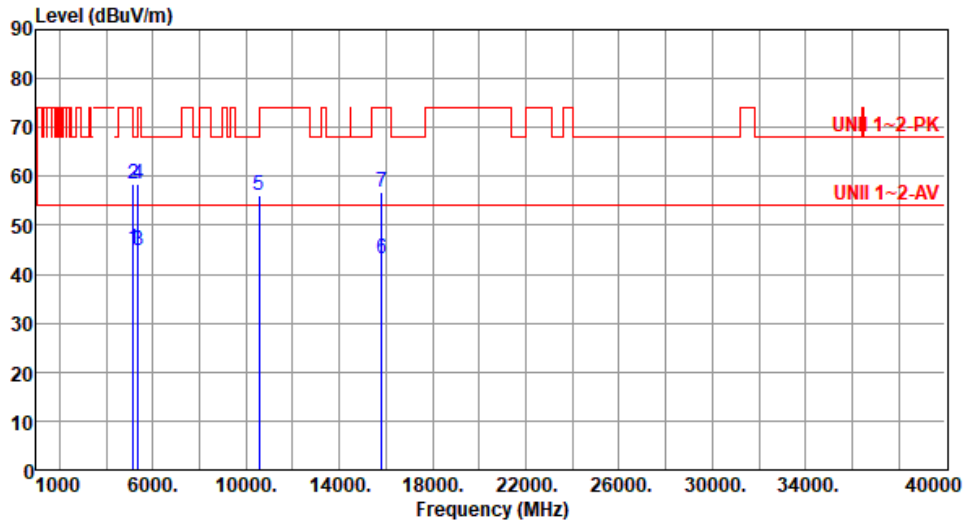
3.5.12 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax HE40-OFDMA

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5270						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):22 Humidity(%):65									
									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	44.84	54.00	-9.16	39.83	5.01	Average	100	15
2	5150.00	58.06	74.00	-15.94	53.05	5.01	Peak	100	15
3	5350.00	44.68	54.00	-9.32	40.26	4.42	Average	100	15
4	5350.00	58.01	74.00	-15.99	53.59	4.42	Peak	100	15
5	10540.00	55.86	68.20	-12.34	41.42	14.44	Peak	100	39
6	15810.00	43.49	54.00	-10.51	29.99	13.50	Average	100	15
7	15810.00	57.02	74.00	-16.98	43.52	13.50	Peak	100	15

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5270
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.04	54.00	-8.96	40.03	5.01	Average	182	256
2	5150.00	58.38	74.00	-15.62	53.37	5.01	Peak	182	256
3	5350.00	44.71	54.00	-9.29	40.29	4.42	Average	182	256
4	5350.00	58.31	74.00	-15.69	53.89	4.42	Peak	182	256
5	10540.00	55.96	68.20	-12.24	41.52	14.44	Peak	100	51
6	15810.00	43.29	54.00	-10.71	29.79	13.50	Average	100	44
7	15810.00	56.84	74.00	-17.16	43.34	13.50	Peak	100	44

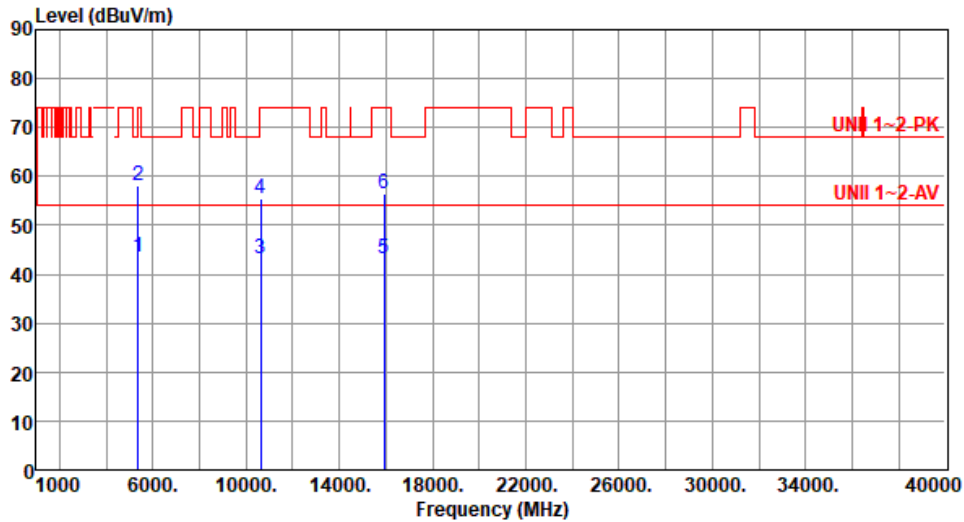
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5310
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	43.54	54.00	-10.46	39.12	4.42	Average	105	22
2	5350.00	58.17	74.00	-15.83	53.75	4.42	Peak	105	22
3	10620.00	43.04	54.00	-10.96	28.68	14.36	Average	100	21
4	10620.00	55.48	74.00	-18.52	41.12	14.36	Peak	100	21
5	15930.00	43.25	54.00	-10.75	29.62	13.63	Average	100	34
6	15930.00	56.51	74.00	-17.49	42.88	13.63	Peak	100	34

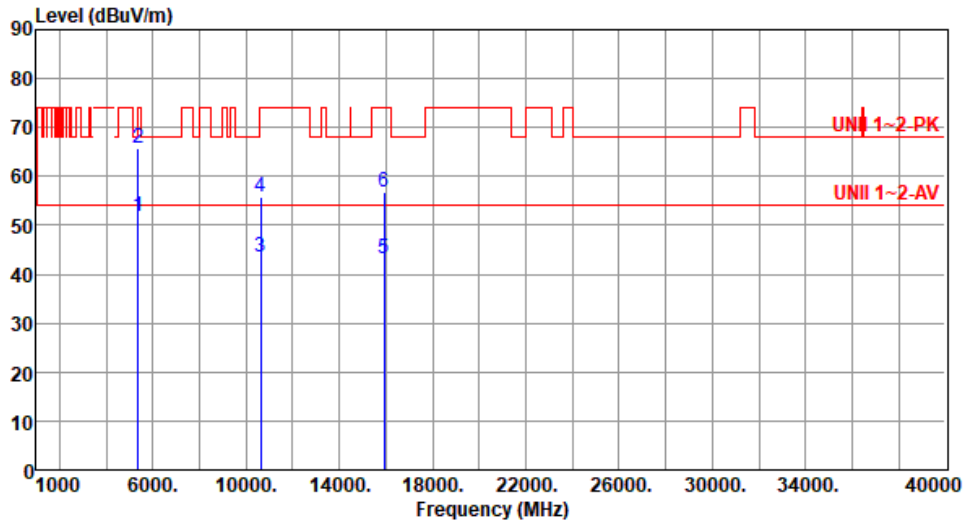
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5310
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	51.71	54.00	-2.29	47.29	4.42	Average	191	254
2	5350.00	65.73	74.00	-8.27	61.31	4.42	Peak	191	254
3	10620.00	43.54	54.00	-10.46	29.18	14.36	Average	100	26
4	10620.00	55.89	74.00	-18.11	41.53	14.36	Peak	100	26
5	15930.00	43.26	54.00	-10.74	29.63	13.63	Average	100	55
6	15930.00	56.71	74.00	-17.29	43.08	13.63	Peak	100	55

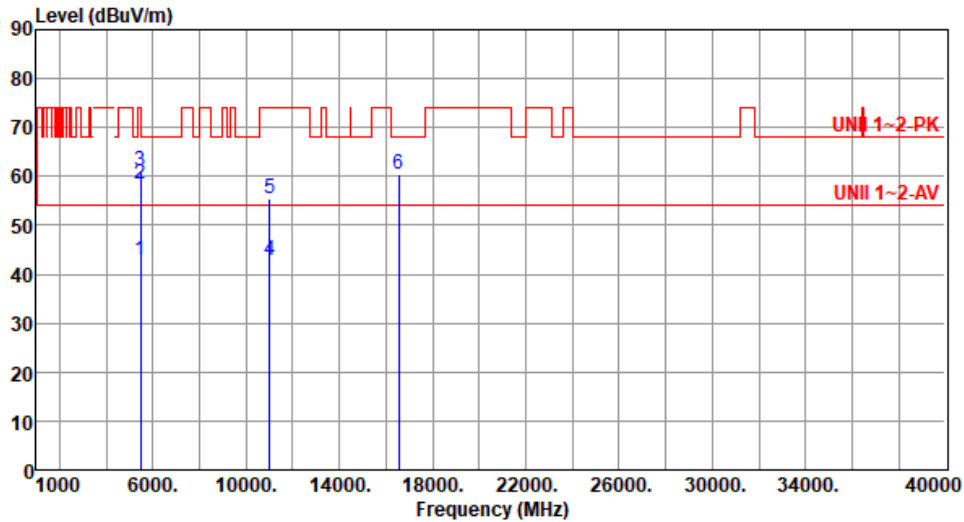
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5510
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	42.93	54.00	-11.07	38.26	4.67	Average	181	86
2	5460.00	58.37	74.00	-15.63	53.70	4.67	Peak	181	86
3	5470.00	61.04	68.20	-7.16	56.34	4.70	Peak	181	86
4	11020.00	42.68	54.00	-11.32	28.12	14.56	Average	105	29
5	11020.00	55.32	74.00	-18.68	40.76	14.56	Peak	105	29
6	16530.00	60.44	68.20	-7.76	44.20	16.24	Peak	100	46

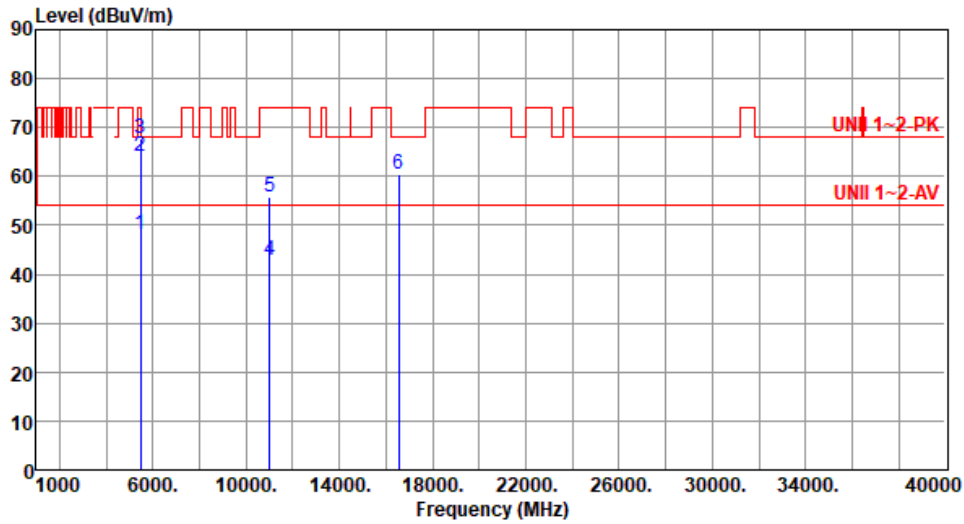
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5510
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	48.20	54.00	-5.80	43.53	4.67	Average	166	290
2	5460.00	64.11	74.00	-9.89	59.44	4.67	Peak	166	290
3	5470.00	67.86	68.20	-0.34	63.16	4.70	Peak	166	290
4	11020.00	42.81	54.00	-11.19	28.25	14.56	Average	100	59
5	11020.00	55.74	74.00	-18.26	41.18	14.56	Peak	100	59
6	16530.00	60.54	68.20	-7.66	44.30	16.24	Peak	100	31

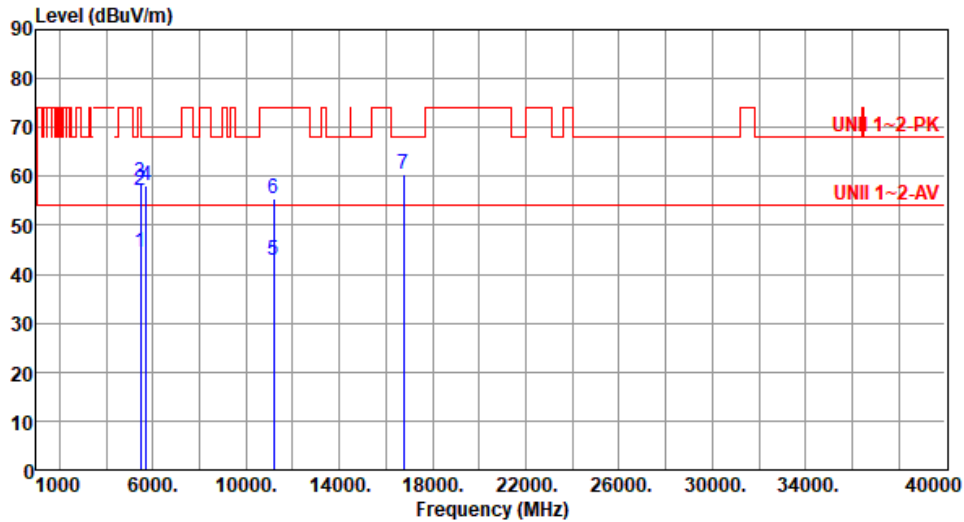
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.52	54.00	-9.48	39.85	4.67	Average	188	94
2	5460.00	56.96	74.00	-17.04	52.29	4.67	Peak	188	94
3	5470.00	58.68	68.20	-9.52	53.98	4.70	Peak	188	94
4	5725.00	58.06	68.20	-10.14	52.89	5.17	Peak	188	94
5	11180.00	42.75	54.00	-11.25	28.87	13.88	Average	100	28
6	11180.00	55.36	74.00	-18.64	41.48	13.88	Peak	100	28
7	16770.00	60.55	68.20	-7.65	43.20	17.35	Peak	100	24

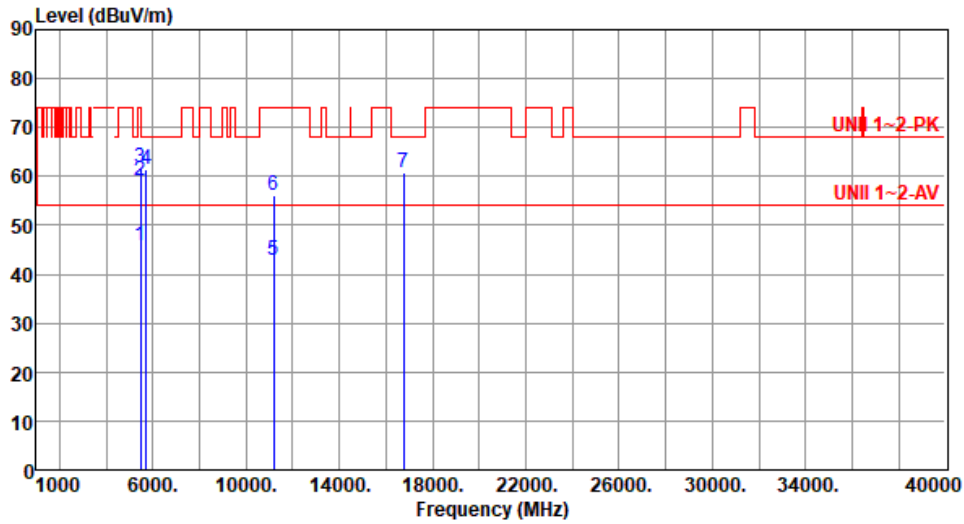
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.74	54.00	-8.26	41.07	4.67	Average	163	302
2	5460.00	59.07	74.00	-14.93	54.40	4.67	Peak	163	302
3	5470.00	61.81	68.20	-6.39	57.11	4.70	Peak	163	302
4	5725.00	61.35	68.20	-6.85	56.18	5.17	Peak	163	302
5	11180.00	42.96	54.00	-11.04	29.08	13.88	Average	100	33
6	11180.00	56.13	74.00	-17.87	42.25	13.88	Peak	100	33
7	16770.00	60.82	68.20	-7.38	43.47	17.35	Peak	100	45

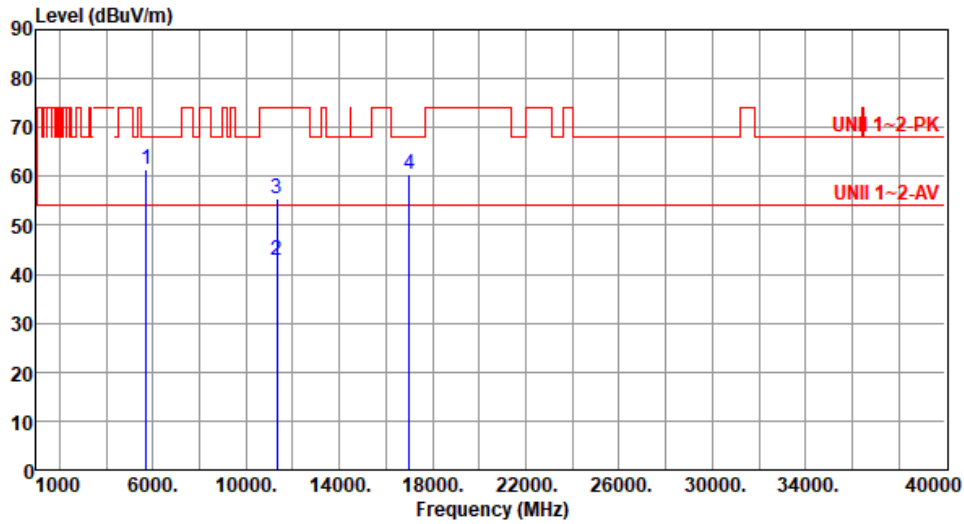
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5670
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	61.35	68.20	-6.85	56.18	5.17	Peak	184	85
2	11340.00	42.84	54.00	-11.16	28.86	13.98	Average	100	25
3	11340.00	55.46	74.00	-18.54	41.48	13.98	Peak	100	25
4	17010.00	60.51	68.20	-7.69	43.26	17.25	Peak	100	36

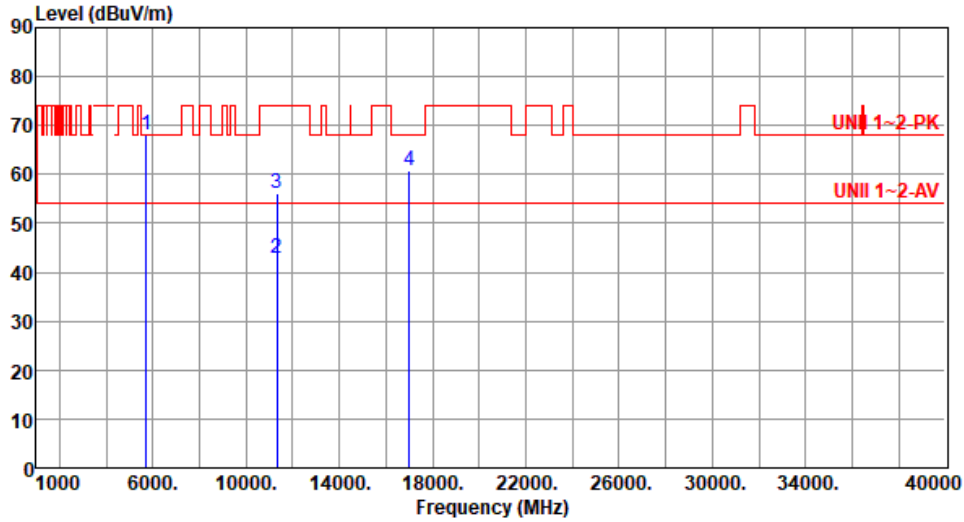
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5670
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65

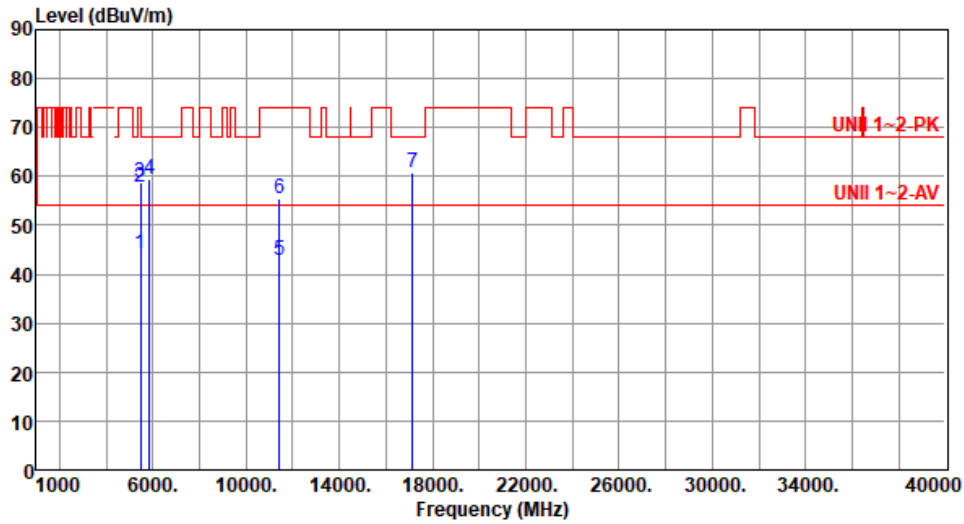


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	68.02	68.20	-0.18	62.85	5.17	Peak	168	304
2	11340.00	42.83	54.00	-11.17	28.85	13.98	Average	100	18
3	11340.00	55.96	74.00	-18.04	41.98	13.98	Peak	100	18
4	17010.00	60.74	68.20	-7.46	43.49	17.25	Peak	100	14

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5710
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.13	54.00	-9.87	39.46	4.67	Average	179	84
2	5460.00	57.86	74.00	-16.14	53.19	4.67	Peak	179	84
3	5470.00	58.66	68.20	-9.54	53.96	4.70	Peak	179	84
4	5850.00	59.41	68.20	-8.79	53.76	5.65	Peak	179	84
5	11420.00	42.86	54.00	-11.14	28.66	14.20	Average	100	36
6	11420.00	55.59	74.00	-18.41	41.39	14.20	Peak	100	36
7	17130.00	60.77	68.20	-7.43	43.34	17.43	Peak	100	20

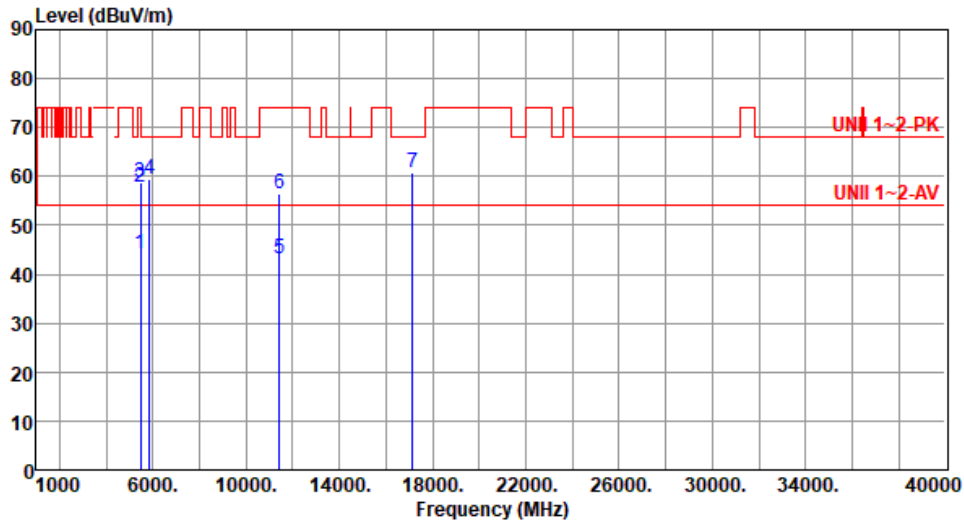
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5710
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%) :65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.24	54.00	-9.76	39.57	4.67	Average	186	269
2	5460.00	57.92	74.00	-16.08	53.25	4.67	Peak	186	269
3	5470.00	58.81	68.20	-9.39	54.11	4.70	Peak	186	269
4	5850.00	59.56	68.20	-8.64	53.91	5.65	Peak	186	269
5	11420.00	43.22	54.00	-10.78	29.02	14.20	Average	100	47
6	11420.00	56.35	74.00	-17.65	42.15	14.20	Peak	100	47
7	17130.00	60.88	68.20	-7.32	43.45	17.43	Peak	100	29

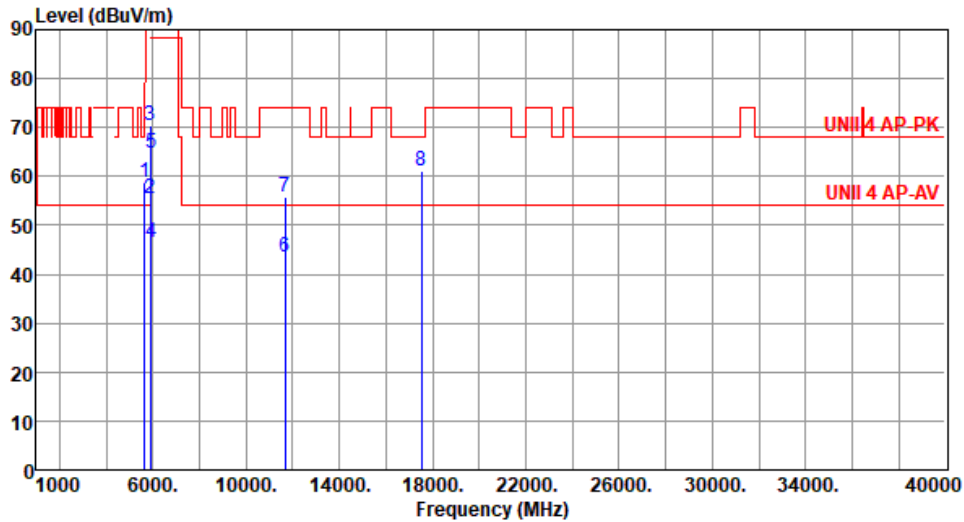
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5835
Polarization	Horizontal		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.69	68.20	-9.51	53.88	4.81	Peak	260	264
2	5895.00	55.34	110.20	-54.86	49.69	5.65	Average	260	264
3	5895.00	70.32	130.20	-59.88	64.67	5.65	Peak	260	264
4	5925.00	46.47	88.20	-41.73	40.86	5.61	Average	260	264
5	5925.00	64.90	108.20	-43.30	59.29	5.61	Peak	260	264
6	11670.00	43.65	54.00	-10.35	29.86	13.79	Average	100	295
7	11670.00	55.73	74.00	-18.27	41.94	13.79	Peak	100	295
8	17505.00	61.10	68.20	-7.10	42.43	18.67	Peak	100	320

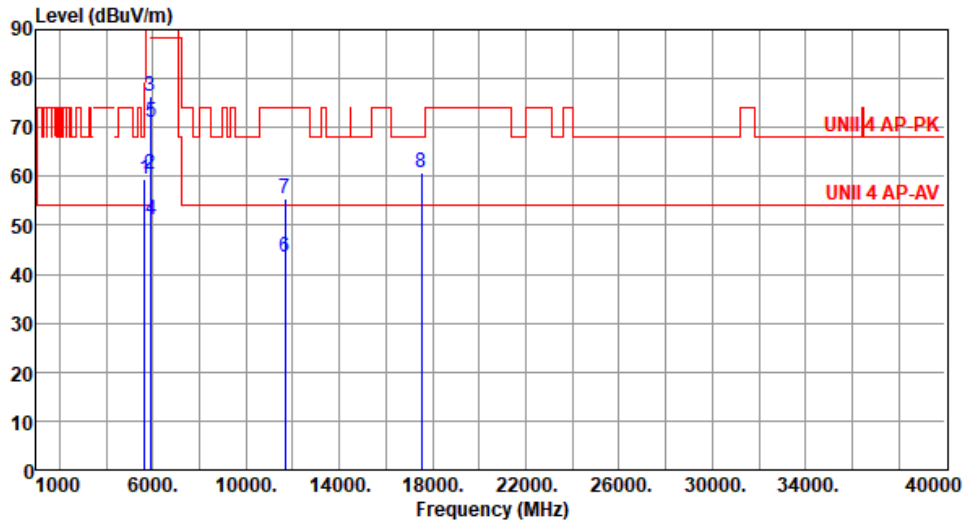
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5835
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.46	68.20	-8.74	54.65	4.81	Peak	188	306
2	5895.00	60.50	110.20	-49.70	54.85	5.65	Average	188	306
3	5895.00	76.51	130.20	-53.69	70.86	5.65	Peak	188	306
4	5925.00	51.13	88.20	-37.07	45.52	5.61	Average	188	306
5	5925.00	71.16	108.20	-37.04	65.55	5.61	Peak	188	306
6	11670.00	43.37	54.00	-10.63	29.58	13.79	Average	100	60
7	11670.00	55.46	74.00	-18.54	41.67	13.79	Peak	100	60
8	17505.00	60.93	68.20	-7.27	42.26	18.67	Peak	100	80

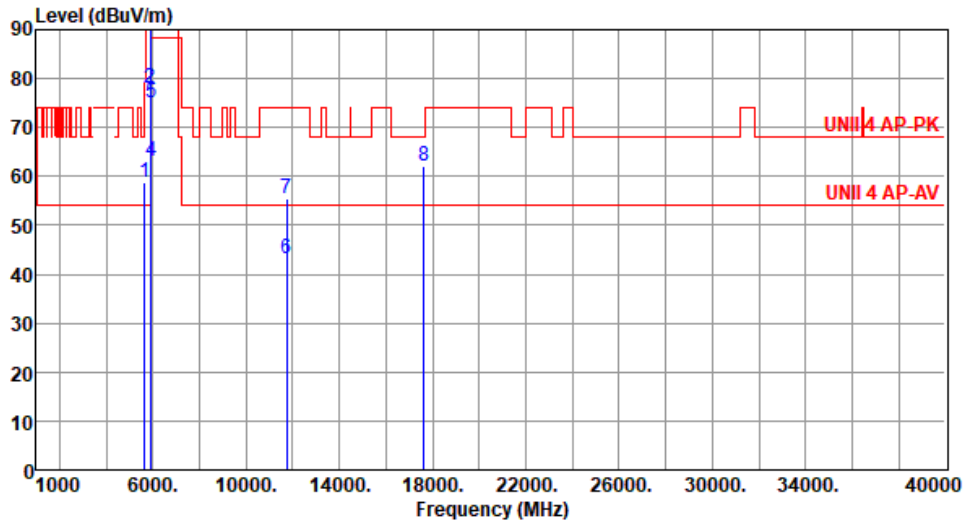
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5875
Polarization	Horizontal		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.67	68.20	-9.53	53.86	4.81	Peak	257	263
2	5895.00	78.12	110.20	-32.08	72.47	5.65	Average	257	263
3	5895.00	92.08	130.20	-38.12	86.43	5.65	Peak	257	263
4	5925.00	63.04	88.20	-25.16	57.43	5.61	Average	257	263
5	5925.00	75.18	108.20	-33.02	69.57	5.61	Peak	257	263
6	11750.00	43.17	54.00	-10.83	29.67	13.50	Average	100	300
7	11750.00	55.61	74.00	-18.39	42.11	13.50	Peak	100	300
8	17625.00	62.00	68.20	-6.20	42.56	19.44	Peak	100	319

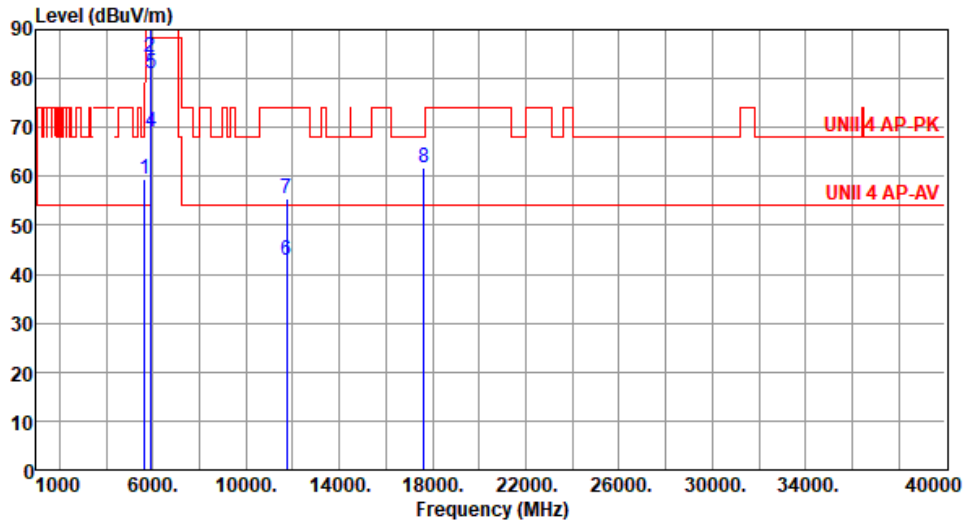
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5875
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



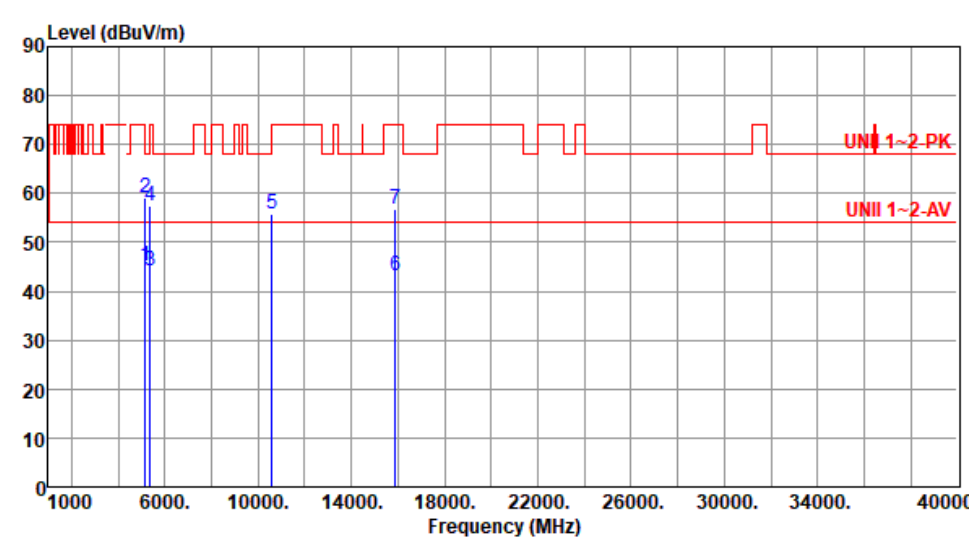
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.35	68.20	-8.85	54.54	4.81	Peak	190	303
2	5895.00	84.32	110.20	-25.88	78.67	5.65	Average	190	303
3	5895.00	97.91	130.20	-32.29	92.26	5.65	Peak	190	303
4	5925.00	69.16	88.20	-19.04	63.55	5.61	Average	190	303
5	5925.00	81.16	108.20	-27.04	75.55	5.61	Peak	190	303
6	11750.00	42.92	54.00	-11.08	29.42	13.50	Average	100	60
7	11750.00	55.36	74.00	-18.64	41.86	13.50	Peak	100	60
8	17625.00	61.79	68.20	-6.41	42.35	19.44	Peak	100	90

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

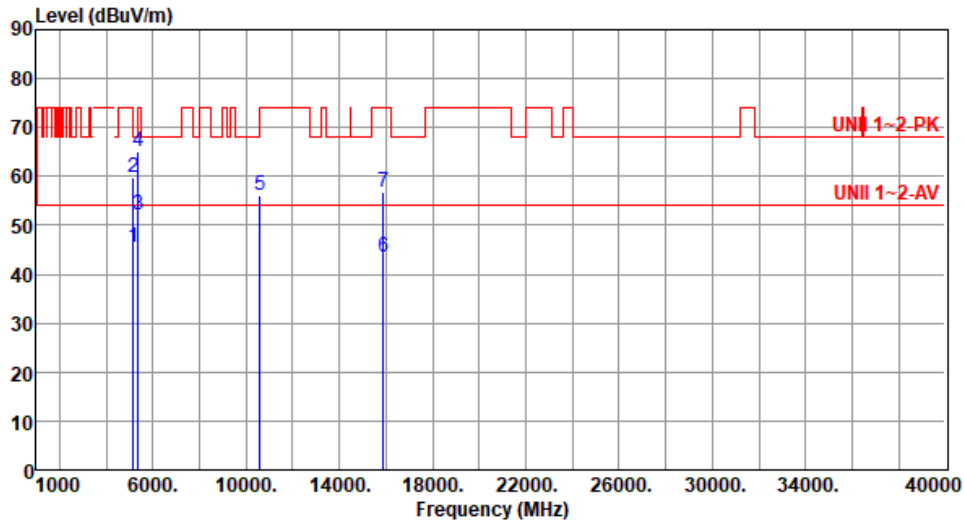
3.5.13 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax HE80-OFDMA

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5290						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):22 Humidity(%):65									
									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	45.13	54.00	-8.87	40.12	5.01	Average	100	5
2	5150.00	59.02	74.00	-14.98	54.01	5.01	Peak	100	5
3	5350.00	44.31	54.00	-9.69	39.89	4.42	Average	100	5
4	5350.00	57.42	74.00	-16.58	53.00	4.42	Peak	100	5
5	10580.00	55.81	68.20	-12.39	41.43	14.38	Peak	100	31
6	15870.00	43.29	54.00	-10.71	29.74	13.55	Average	100	36
7	15870.00	56.84	74.00	-17.16	43.29	13.55	Peak	100	36

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5290
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.46	54.00	-8.54	40.45	5.01	Average	190	256
2	5150.00	59.71	74.00	-14.29	54.70	5.01	Peak	190	256
3	5350.00	52.16	54.00	-1.84	47.74	4.42	Average	190	256
4	5350.00	65.10	74.00	-8.90	60.68	4.42	Peak	190	256
5	10580.00	55.98	68.20	-12.22	41.60	14.38	Peak	100	49
6	15870.00	43.46	54.00	-10.54	29.91	13.55	Average	100	42
7	15870.00	56.92	74.00	-17.08	43.37	13.55	Peak	100	42

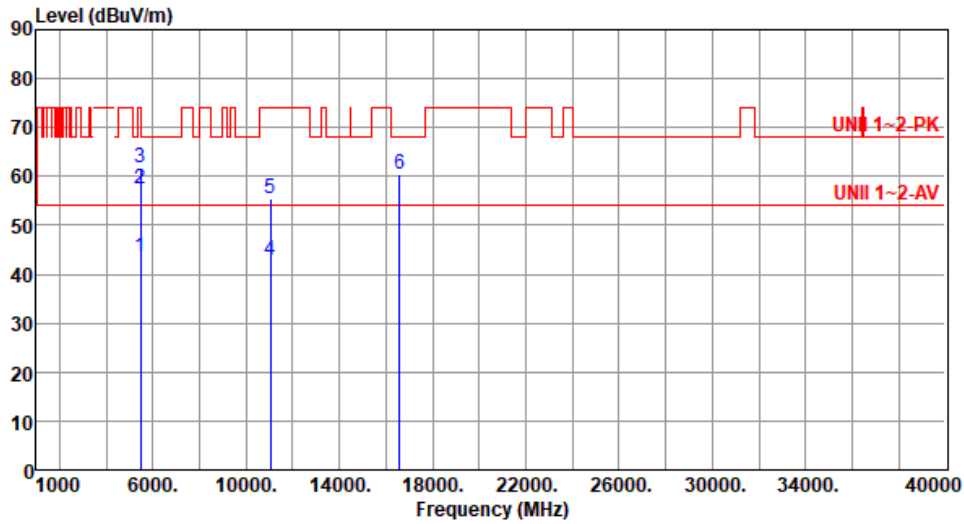
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5530
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.52	54.00	-10.48	38.85	4.67	Average	181	96
2	5460.00	57.61	74.00	-16.39	52.94	4.67	Peak	181	96
3	5470.00	61.82	68.20	-6.38	57.12	4.70	Peak	181	96
4	11060.00	42.69	54.00	-11.31	28.30	14.39	Average	100	48
5	11060.00	55.34	74.00	-18.66	40.95	14.39	Peak	100	48
6	16590.00	60.52	68.20	-7.68	44.48	16.04	Peak	100	27

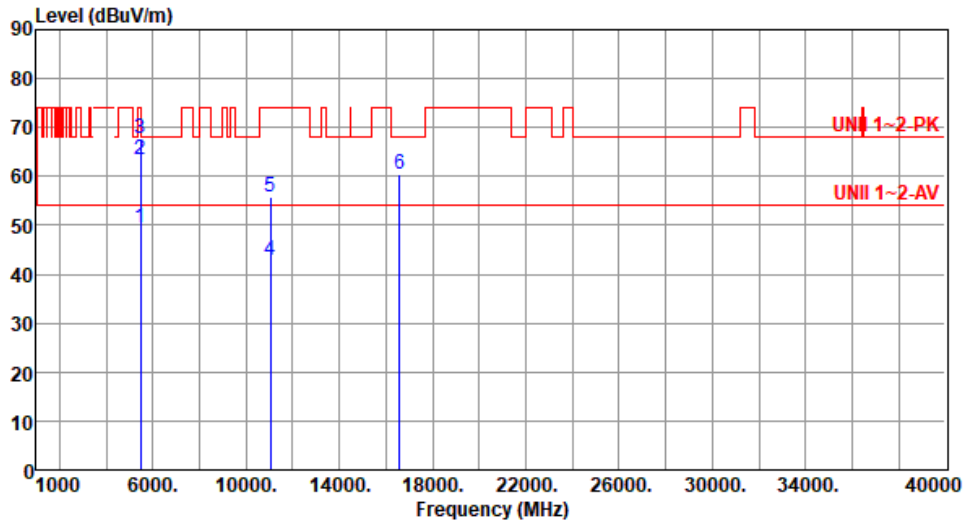
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5530
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	49.48	54.00	-4.52	44.81	4.67	Average	154	295
2	5460.00	63.37	74.00	-10.63	58.70	4.67	Peak	154	295
3	5470.00	67.75	68.20	-0.45	63.05	4.70	Peak	154	295
4	11060.00	42.77	54.00	-11.23	28.38	14.39	Average	100	11
5	11060.00	55.76	74.00	-18.24	41.37	14.39	Peak	100	11
6	16590.00	60.58	68.20	-7.62	44.54	16.04	Peak	100	23

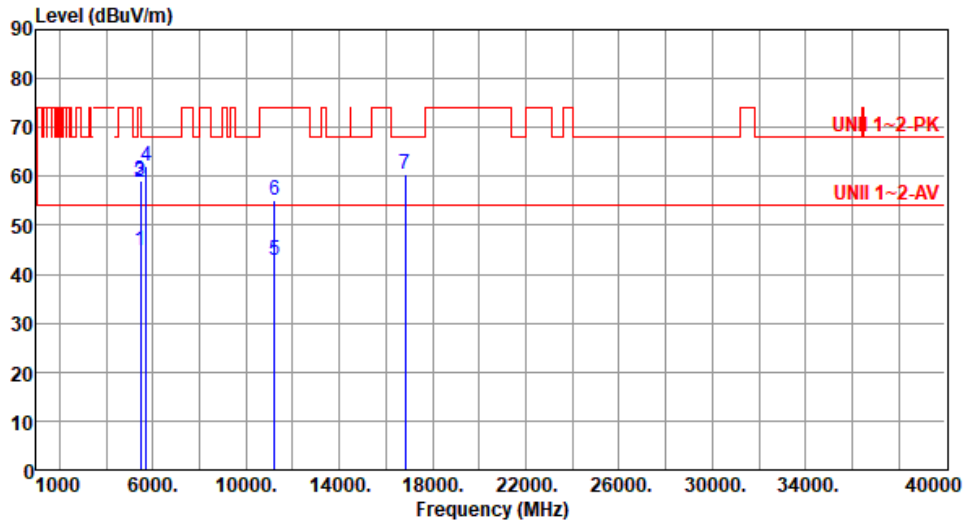
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5610
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.93	54.00	-9.07	40.26	4.67	Average	184	92
2	5460.00	58.83	74.00	-15.17	54.16	4.67	Peak	184	92
3	5470.00	59.26	68.20	-8.94	54.56	4.70	Peak	184	92
4	5725.00	61.95	68.20	-6.25	56.78	5.17	Peak	184	92
5	11220.00	42.69	54.00	-11.31	28.87	13.82	Average	100	57
6	11220.00	55.28	74.00	-18.72	41.46	13.82	Peak	100	57
7	16830.00	60.52	68.20	-7.68	43.06	17.46	Peak	100	41

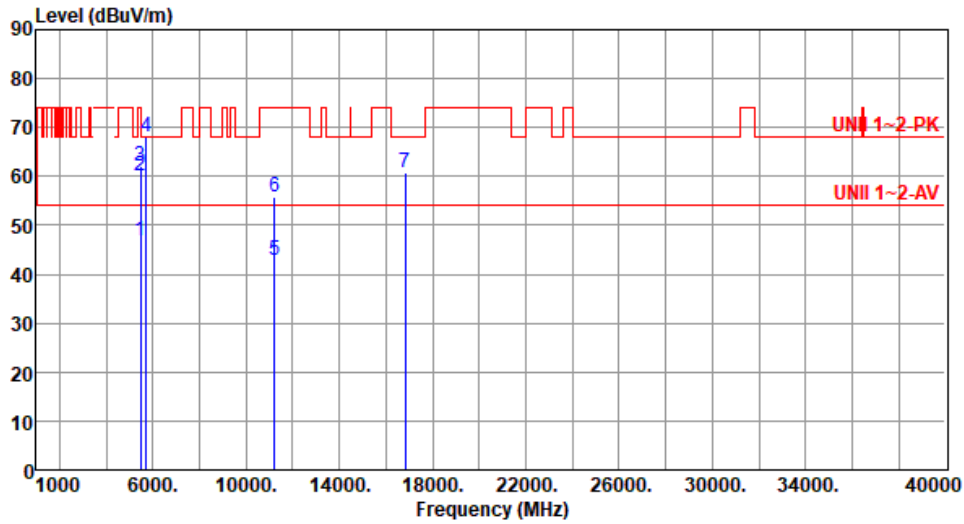
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5610
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.94	54.00	-7.06	42.27	4.67	Average	155	300
2	5460.00	60.27	74.00	-13.73	55.60	4.67	Peak	155	300
3	5470.00	62.25	68.20	-5.95	57.55	4.70	Peak	155	300
4	5725.00	68.00	68.20	-0.20	62.83	5.17	Peak	155	300
5	11220.00	42.71	54.00	-11.29	28.89	13.82	Average	100	36
6	11220.00	55.84	74.00	-18.16	42.02	13.82	Peak	100	36
7	16830.00	60.65	68.20	-7.55	43.19	17.46	Peak	100	51

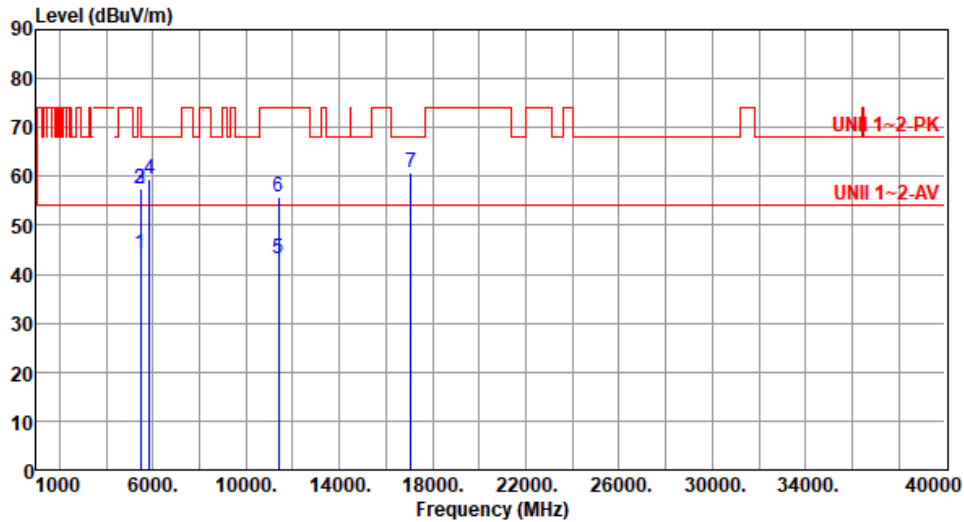
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5690
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):22 Humidity(%):65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.05	54.00	-9.95	39.38	4.67	Average	183	91
2	5460.00	57.42	74.00	-16.58	52.75	4.67	Peak	183	91
3	5470.00	57.61	68.20	-10.59	52.91	4.70	Peak	183	91
4	5850.00	59.56	68.20	-8.64	53.91	5.65	Peak	183	91
5	11380.00	43.14	54.00	-10.86	29.05	14.09	Average	100	39
6	11380.00	55.76	74.00	-18.24	41.67	14.09	Peak	100	39
7	17070.00	60.91	68.20	-7.29	43.54	17.37	Peak	100	15

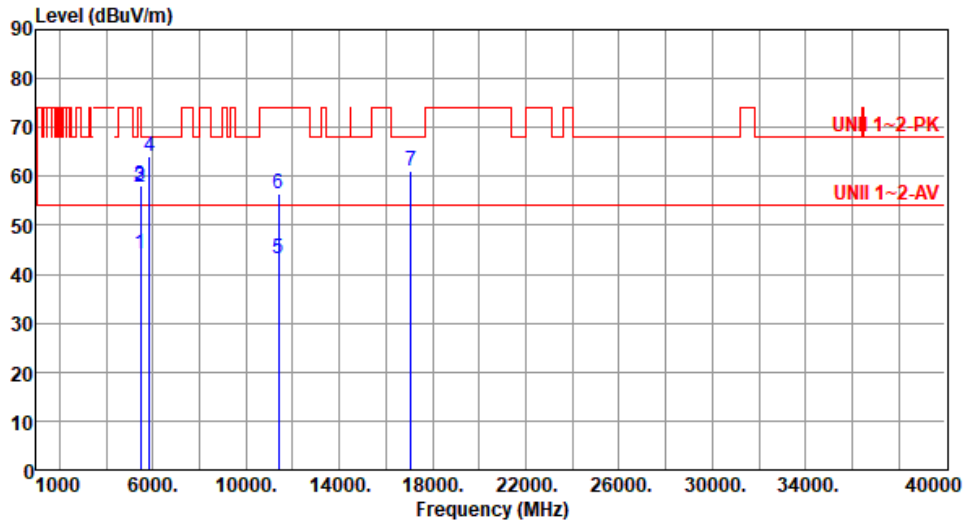
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5690
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):22 Humidity(%) :65



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.24	54.00	-9.76	39.57	4.67	Average	148	303
2	5460.00	57.70	74.00	-16.30	53.03	4.67	Peak	148	303
3	5470.00	57.98	68.20	-10.22	53.28	4.70	Peak	148	303
4	5850.00	64.24	68.20	-3.96	58.59	5.65	Peak	148	303
5	11380.00	43.29	54.00	-10.71	29.20	14.09	Average	100	29
6	11380.00	56.35	74.00	-17.65	42.26	14.09	Peak	100	29
7	17070.00	60.98	68.20	-7.22	43.61	17.37	Peak	100	25

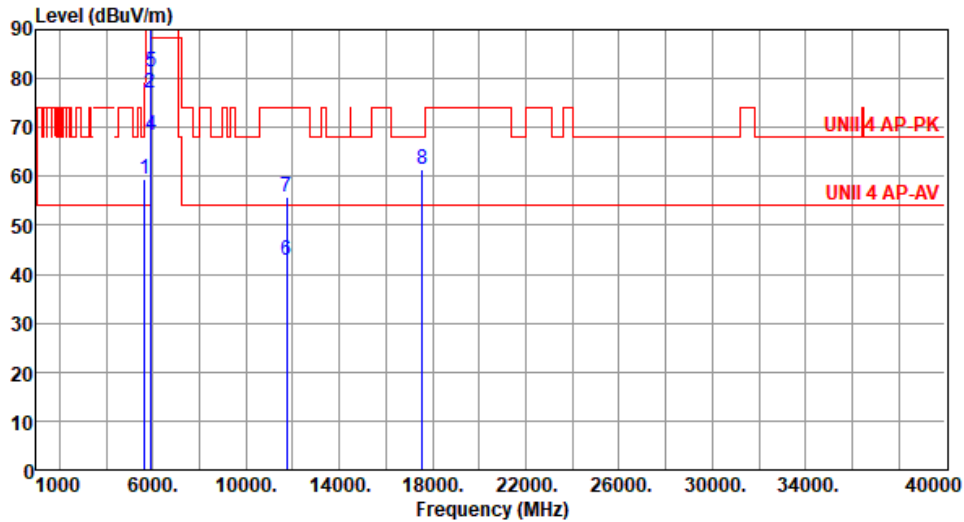
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5855
Polarization	Horizontal		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.32	68.20	-8.88	54.51	4.81	Peak	212	263
2	5895.00	77.21	110.20	-32.99	71.56	5.65	Average	212	263
3	5895.00	93.89	130.20	-36.31	88.24	5.65	Peak	212	263
4	5925.00	68.47	88.20	-19.73	62.86	5.61	Average	212	263
5	5925.00	81.46	108.20	-26.74	75.85	5.61	Peak	212	263
6	11730.00	42.68	54.00	-11.32	29.12	13.56	Average	100	80
7	11730.00	55.79	74.00	-18.21	42.23	13.56	Peak	100	80
8	17565.00	61.34	68.20	-6.86	42.30	19.04	Peak	100	60

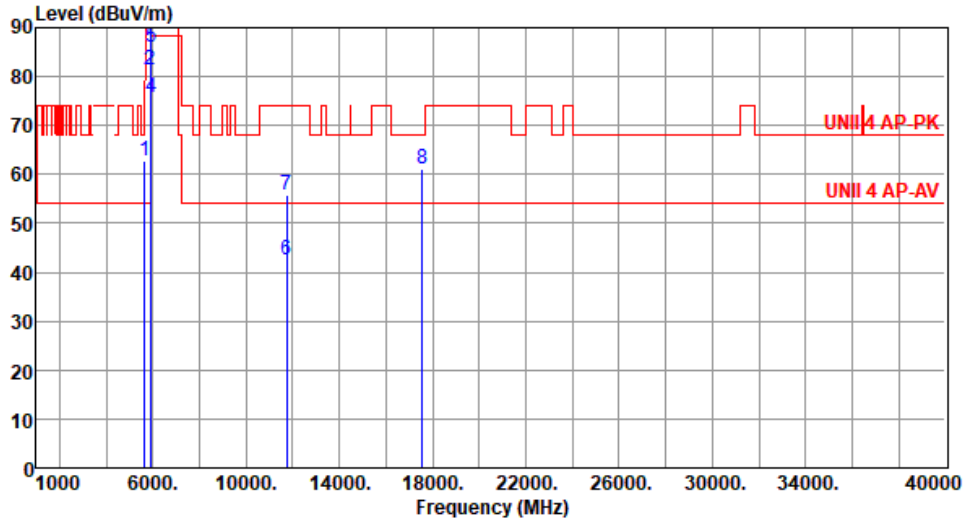
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE80-OFDMA	Test Freq. (MHz)	5855
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 66



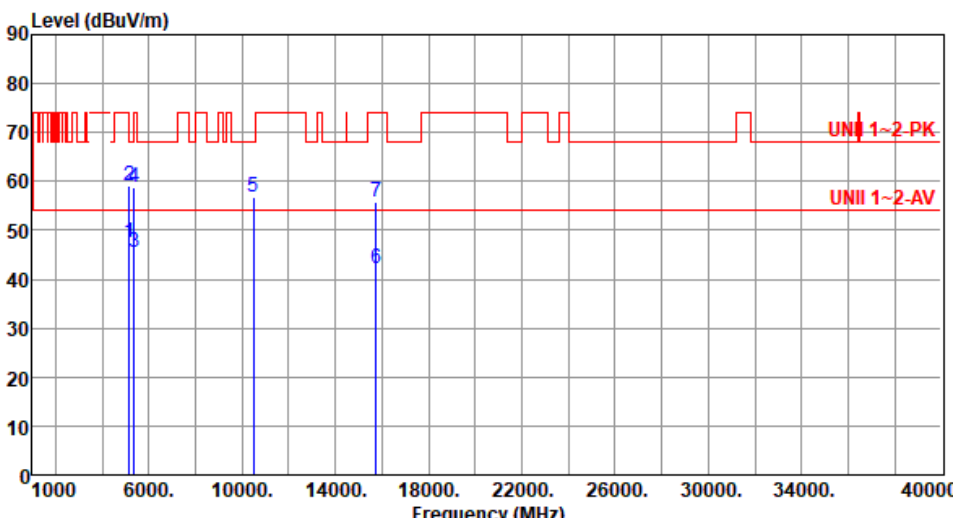
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	62.69	68.20	-5.51	57.88	4.81	Peak	200	305
2	5895.00	81.48	110.20	-28.72	75.83	5.65	Average	200	305
3	5895.00	98.64	130.20	-31.56	92.99	5.65	Peak	200	305
4	5925.00	75.56	88.20	-12.64	69.95	5.61	Average	200	305
5	5925.00	85.93	108.20	-22.27	80.32	5.61	Peak	200	305
6	11730.00	42.57	54.00	-11.43	29.01	13.56	Average	100	40
7	11730.00	55.66	74.00	-18.34	42.10	13.56	Peak	100	40
8	17565.00	61.15	68.20	-7.05	42.11	19.04	Peak	100	20

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

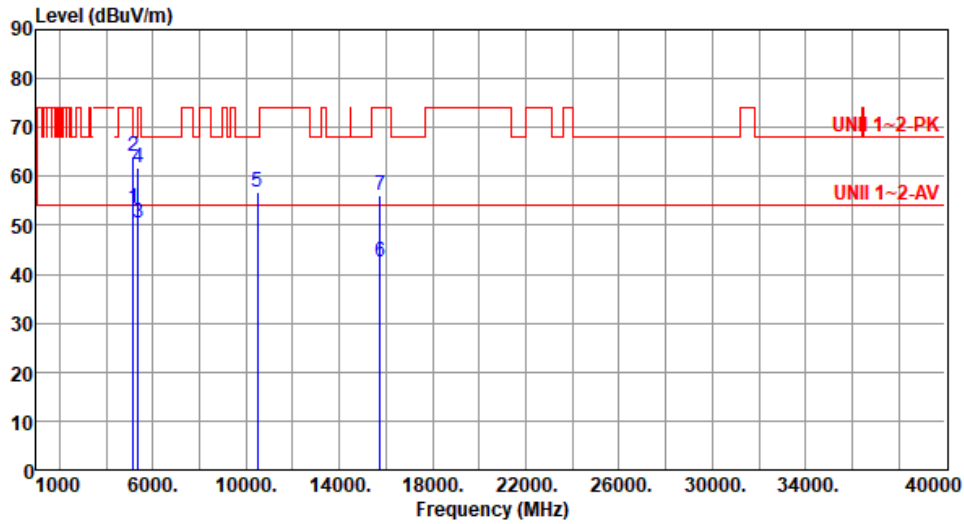
3.5.14 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax HE160-OFDMA

Modulation	ax HE160-OFDMA	Test Freq. (MHz)	5250						
Polarization	Horizontal								
Test By :Roger Lu Temperature(°C):22 Humidity(%):68									
									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	47.38	54.00	-6.62	42.37	5.01	Average	105	6
2	5150.00	59.17	74.00	-14.83	54.16	5.01	Peak	105	6
3	5350.00	45.54	54.00	-8.46	41.12	4.42	Average	105	6
4	5350.00	58.71	74.00	-15.29	54.29	4.42	Peak	105	6
5	10500.00	56.65	68.20	-11.55	42.15	14.50	Peak	100	30
6	15750.00	42.32	54.00	-11.68	28.87	13.45	Average	100	40
7	15750.00	55.79	74.00	-18.21	42.34	13.45	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE160-OFDMA	Test Freq. (MHz)	5250
Polarization	Vertical		

Test By :Roger Lu Temperature(°C):22 Humidity(%):68



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	53.55	54.00	-0.45	48.54	5.01	Average	100	257
2	5150.00	63.95	74.00	-10.05	58.94	5.01	Peak	100	257
3	5350.00	50.44	54.00	-3.56	46.02	4.42	Average	100	257
4	5350.00	61.67	74.00	-12.33	57.25	4.42	Peak	100	257
5	10500.00	56.85	68.20	-11.35	42.35	14.50	Peak	100	60
6	15750.00	42.47	54.00	-11.53	29.02	13.45	Average	100	100
7	15750.00	56.01	74.00	-17.99	42.56	13.45	Peak	100	100

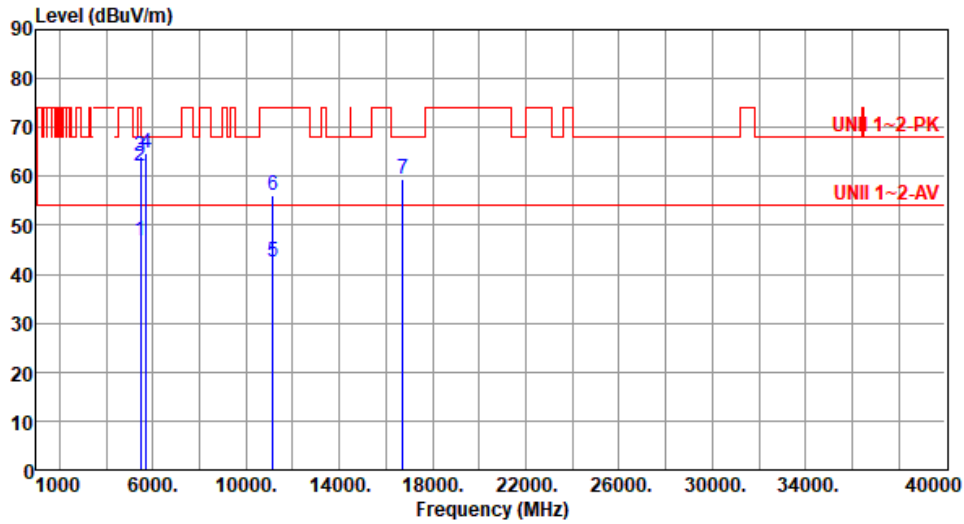
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE160-OFDMA	Test Freq. (MHz)	5570
Polarization	Horizontal		

Test By :Roger Lu Temperature(°C):22 Humidity(%):68



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.83	54.00	-7.17	42.16	4.67	Average	189	95
2	5460.00	62.13	74.00	-11.87	57.46	4.67	Peak	189	95
3	5470.00	64.15	68.20	-4.05	59.45	4.70	Peak	189	95
4	5725.00	64.82	68.20	-3.38	59.65	5.17	Peak	189	95
5	11140.00	42.47	54.00	-11.53	28.42	14.05	Average	100	30
6	11140.00	56.16	74.00	-17.84	42.11	14.05	Peak	100	30
7	16710.00	59.46	68.20	-8.74	42.46	17.00	Peak	100	90

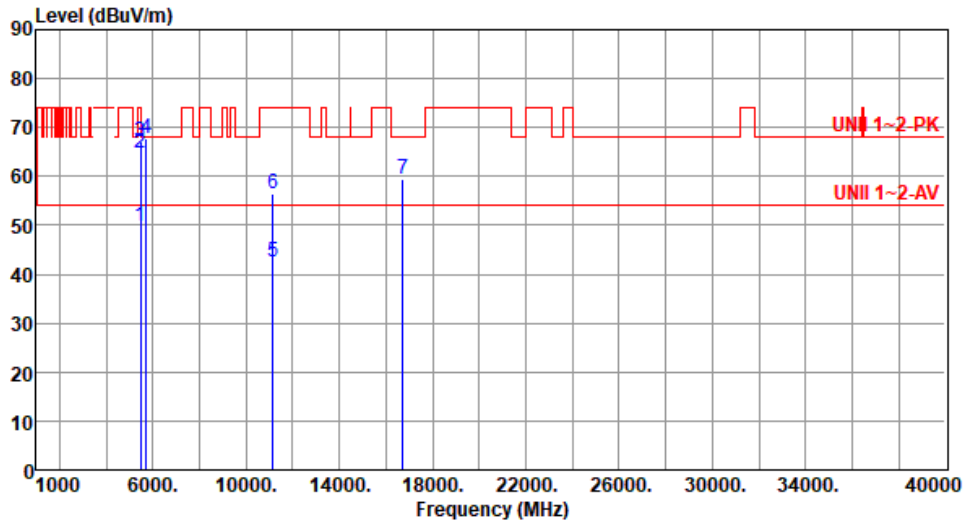
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE160-OFDMA	Test Freq. (MHz)	5570
Polarization	Vertical		

Test By :Roger Lu Temperature(°C):22 Humidity(%) :68



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	49.74	54.00	-4.26	45.07	4.67	Average	172	306
2	5460.00	64.70	74.00	-9.30	60.03	4.67	Peak	172	306
3	5470.00	67.08	68.20	-1.12	62.38	4.70	Peak	172	306
4	5725.00	67.85	68.20	-0.35	62.68	5.17	Peak	172	306
5	11140.00	42.64	54.00	-11.36	28.59	14.05	Average	100	60
6	11140.00	56.43	74.00	-17.57	42.38	14.05	Peak	100	60
7	16710.00	59.60	68.20	-8.60	42.60	17.00	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.6 Frequency Stability

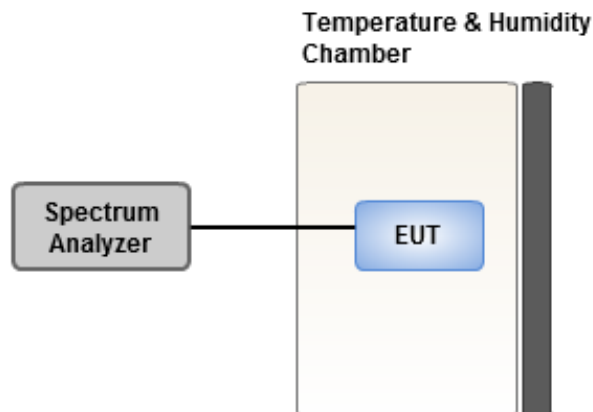
3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.6.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 20 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under normal and extreme condition for temperature and voltage.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Ambient Condition	18°C / 68%	Tested By	Aska Huang
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Frequency: 5300 MHz	Frequency Drift (ppm)			
	0 minute	2 minutes	5 minutes	10 minutes
Temperature (°C)				
T20°C _{Vmax}	0.75	0.75	0.97	0.45
T20°C _{Vmin}	1.94	1.36	1.89	1.75
T50°C _{Vnom}	2.87	1.70	2.29	2.85
T40°C _{Vnom}	0.62	0.05	0.18	-0.13
T30°C _{Vnom}	1.79	1.25	0.96	1.60
T20°C _{Vnom}	1.66	1.17	1.40	1.48
T10°C _{Vnom}	3.03	2.12	2.67	2.37
T0°C _{Vnom}	3.17	2.78	3.83	3.05
T-10°C _{Vnom}	5.72	5.73	5.48	6.08
T-20°C _{Vnom}	9.04	8.92	8.79	8.78
T-30°C _{Vnom}	9.50	9.80	9.90	9.80
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

Frequency: 5580 MHz	Frequency Drift (ppm)			
	0 minute	2 minutes	5 minutes	10 minutes
Temperature (°C)				
T20°C _{Vmax}	1.41	1.39	1.35	1.20
T20°C _{Vmin}	1.90	2.25	2.74	2.39
T50°C _{Vnom}	2.69	3.11	2.79	3.29
T40°C _{Vnom}	0.95	0.81	0.78	1.08
T30°C _{Vnom}	1.72	1.96	1.59	2.29
T20°C _{Vnom}	2.32	2.54	2.23	2.30
T10°C _{Vnom}	3.29	3.24	3.19	3.52
T0°C _{Vnom}	3.53	3.02	3.97	3.59
T-10°C _{Vnom}	5.09	5.86	5.63	5.52
T-20°C _{Vnom}	8.87	8.31	8.57	8.76
T-30°C _{Vnom}	9.42	9.19	9.35	9.43
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

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No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
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If you have any suggestion, please feel free to contact us as below information.

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