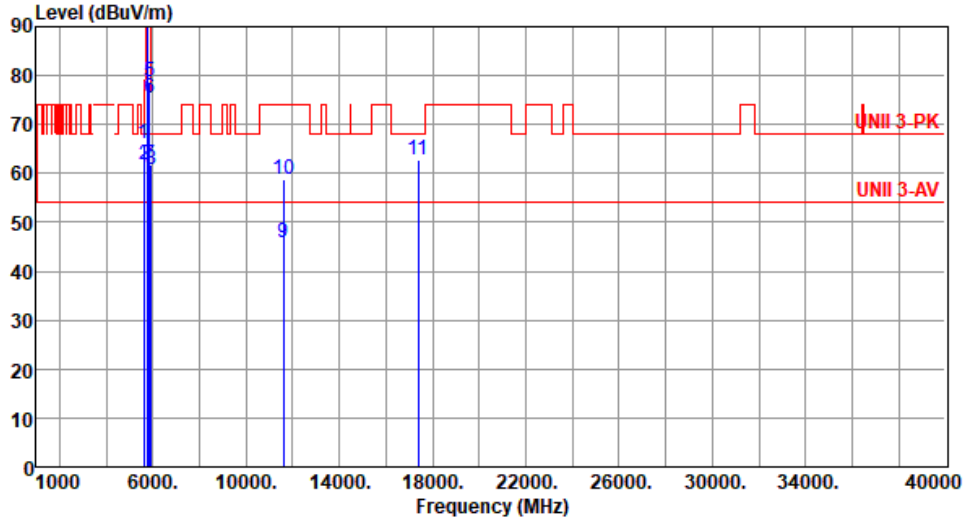




Modulation	ax HE40	Test Freq. (MHz)	5795
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	5605.00	66.19	68.20	-2.01	59.80	6.39	Peak	205	358
2	5650.00	61.79	68.20	-6.41	55.47	6.32	Peak	204	356
3 *	5795.00	108.79			102.21	6.58	Average	204	356
4 *	5795.00	122.74			116.16	6.58	Peak	204	356
5	5850.00	78.64	122.20	-43.56	71.87	6.77	Peak	204	356
6	5855.00	75.34	110.80	-35.46	68.54	6.80	Peak	204	356
7	5875.00	61.86	105.20	-43.34	54.98	6.88	Peak	204	356
8	5925.00	60.91	68.20	-7.29	53.88	7.03	Peak	204	356
9	11590.00	45.95	54.00	-8.05	30.57	15.38	Average	100	1
10	11590.00	58.90	74.00	-15.10	43.52	15.38	Peak	100	1
11	17385.00	62.88	68.20	-5.32	43.59	19.29	Peak	100	7

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

*Factor includes antenna factor , cable loss and amplifier gain

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

Note 3:"*" is Peak / Average value of fundamental frequency



Unwanted Emissions (Above 1GHz) for ax HE80

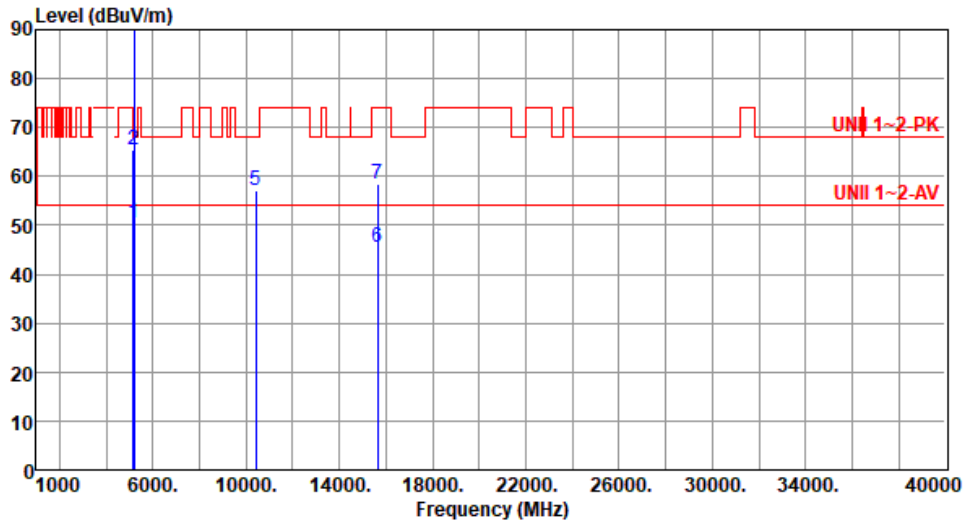
Modulation	ax HE80	Test Freq. (MHz)	5210						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):23 Humidity(%):69									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	51.67	54.00	-2.33	45.36	6.31	Average	197	9
2	5150.00	66.79	74.00	-7.21	60.48	6.31	Peak	197	9
3 *	5210.00	104.31			98.24	6.07	Average	197	9
4 *	5210.00	118.15			112.08	6.07	Peak	197	9
5	10420.00	56.56	68.20	-11.64	42.05	14.51	Peak	100	1
6	15630.00	45.20	54.00	-8.80	29.25	15.95	Average	100	3
7	15630.00	58.05	74.00	-15.95	42.10	15.95	Peak	100	3

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
 Note 3: "*" is Peak / Average value of fundamental frequency



Modulation	ax HE80	Test Freq. (MHz)	5210
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	50.54	54.00	-3.46	44.23	6.31	Average	223	5
2	5150.00	65.36	74.00	-8.64	59.05	6.31	Peak	223	5
3 *	5210.00	103.62			97.55	6.07	Average	223	5
4 *	5210.00	117.44			111.37	6.07	Peak	223	5
5	10420.00	56.99	68.20	-11.21	42.48	14.51	Peak	100	2
6	15630.00	45.53	54.00	-8.47	29.58	15.95	Average	100	4
7	15630.00	58.37	74.00	-15.63	42.42	15.95	Peak	100	4

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

*Factor includes antenna factor , cable loss and amplifier gain

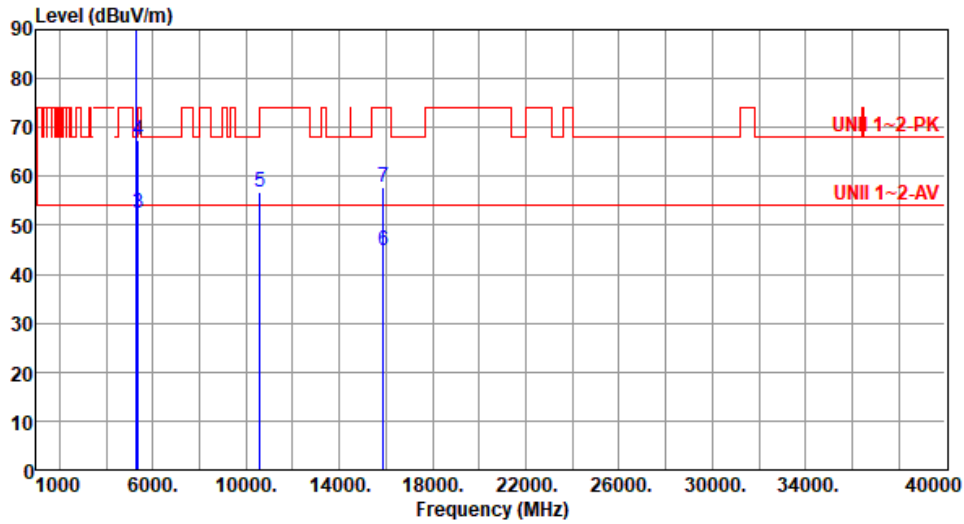
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



Modulation	ax HE80	Test Freq. (MHz)	5290
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



		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	*	5290.00	103.93			98.22	5.71	Average	199	11
2	*	5290.00	117.06			111.35	5.71	Peak	199	11
3		5350.00	52.50	54.00	-1.50	46.78	5.72	Average	199	11
4		5350.00	67.34	74.00	-6.66	61.62	5.72	Peak	199	11
5		10580.00	56.82	68.20	-11.38	42.11	14.71	Peak	100	2
6		15870.00	44.80	54.00	-9.20	29.15	15.65	Average	100	7
7		15870.00	57.79	74.00	-16.21	42.14	15.65	Peak	100	7

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

*Factor includes antenna factor , cable loss and amplifier gain

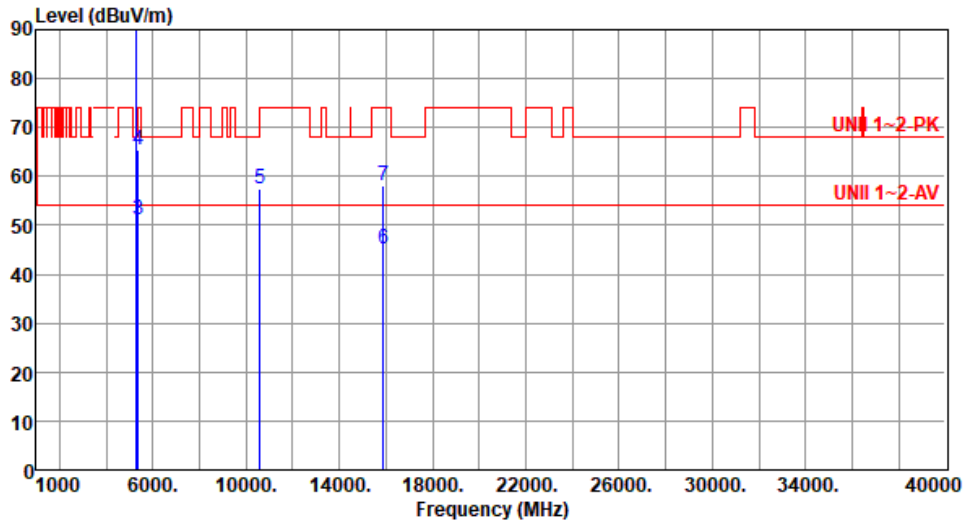
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



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

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



		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	*	5290.00	103.39			97.68	5.71	Average	211	2
2	*	5290.00	117.02			111.31	5.71	Peak	211	2
3		5350.00	51.23	54.00	-2.77	45.51	5.72	Average	211	2
4		5350.00	65.40	74.00	-8.60	59.68	5.72	Peak	211	2
5		10580.00	57.34	68.20	-10.86	42.63	14.71	Peak	100	6
6		15870.00	45.13	54.00	-8.87	29.48	15.65	Average	100	4
7		15870.00	58.27	74.00	-15.73	42.62	15.65	Peak	100	4

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

*Factor includes antenna factor , cable loss and amplifier gain

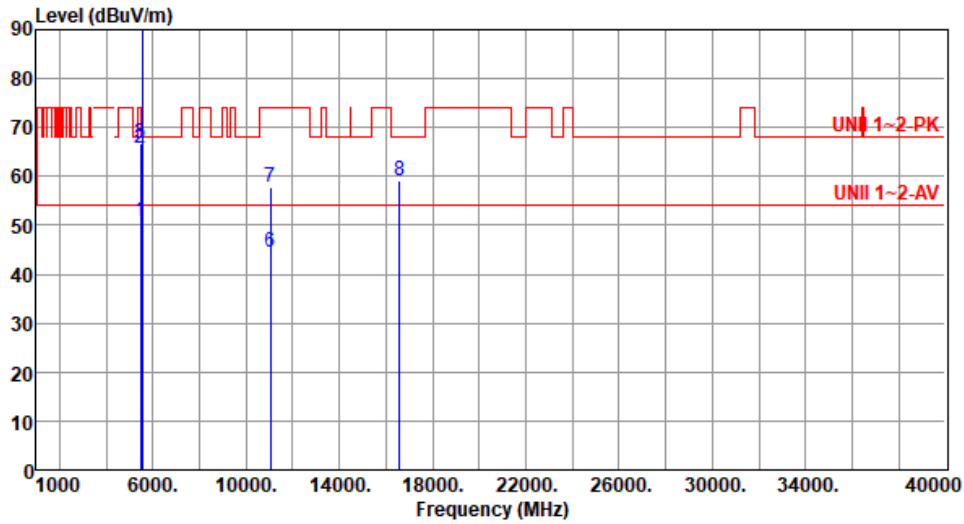
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



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

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	50.65	54.00	-3.35	44.35	6.30	Average	192	352
2	5460.00	65.68	74.00	-8.32	59.38	6.30	Peak	192	352
3	5470.00	66.78	68.20	-1.42	60.46	6.32	Peak	192	352
4 *	5530.00	102.97			96.51	6.46	Average	192	352
5 *	5530.00	117.28			110.82	6.46	Peak	192	352
6	11060.00	44.64	54.00	-9.36	29.20	15.44	Average	100	355
7	11060.00	57.68	74.00	-16.32	42.24	15.44	Peak	100	355
8	16590.00	59.18	68.20	-9.02	42.20	16.98	Peak	100	359

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

*Factor includes antenna factor , cable loss and amplifier gain

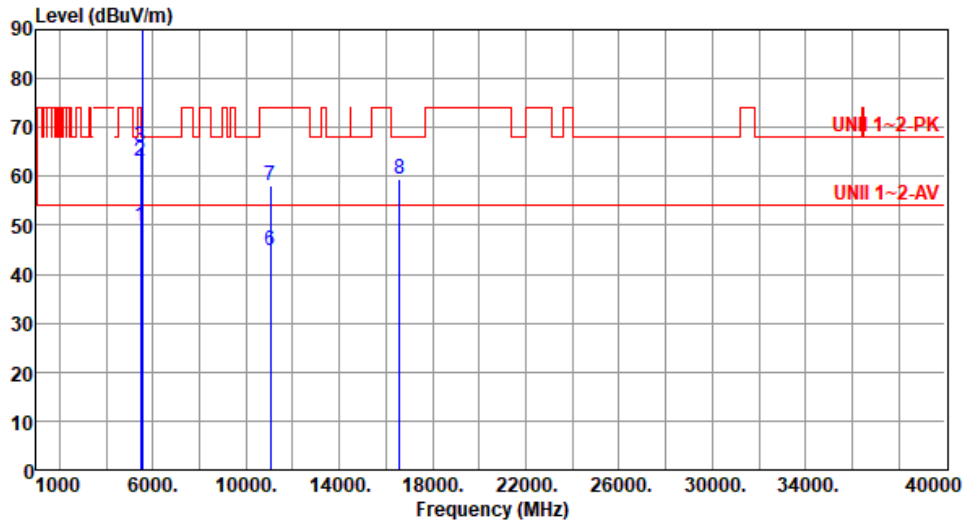
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



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

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	49.73	54.00	-4.27	43.43	6.30	Average	217	2
2	5460.00	63.11	74.00	-10.89	56.81	6.30	Peak	217	2
3	5470.00	66.14	68.20	-2.06	59.82	6.32	Peak	217	2
4 *	5530.00	102.74			96.28	6.46	Average	217	2
5 *	5530.00	116.81			110.35	6.46	Peak	217	2
6	11060.00	44.87	54.00	-9.13	29.43	15.44	Average	100	9
7	11060.00	58.02	74.00	-15.98	42.58	15.44	Peak	100	9
8	16590.00	59.49	68.20	-8.71	42.51	16.98	Peak	100	13

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

*Factor includes antenna factor , cable loss and amplifier gain

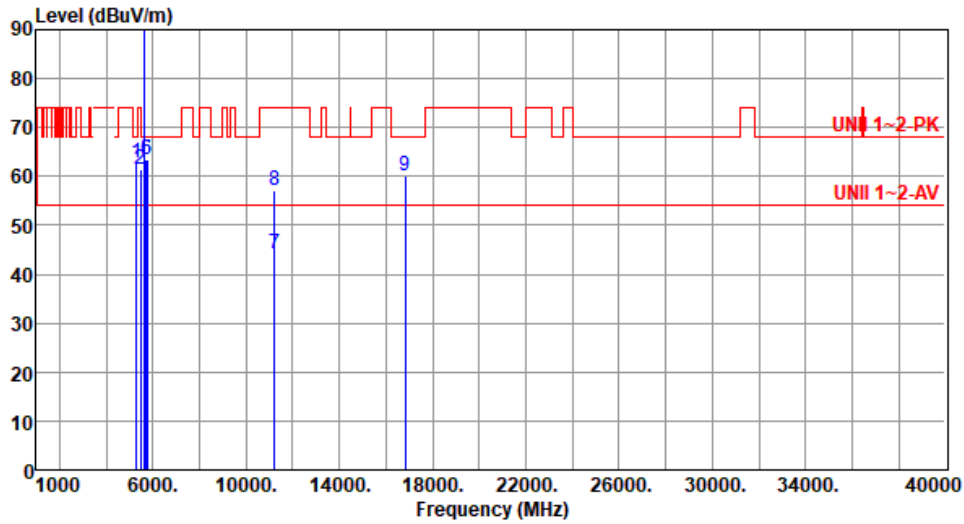
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



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

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	5280.00	62.92	68.20	-5.28	57.20	5.72	Peak	189	352
2	5470.00	61.29	68.20	-6.91	54.97	6.32	Peak	189	352
3 *	5610.00	103.62			97.23	6.39	Average	189	352
4 *	5610.00	117.16			110.77	6.39	Peak	189	352
5	5725.00	63.35	68.20	-4.85	56.76	6.59	Peak	189	352
6	5760.00	63.59	68.20	-4.61	56.95	6.64	Peak	193	358
7	11220.00	44.18	54.00	-9.82	29.12	15.06	Average	100	359
8	11220.00	57.26	74.00	-16.74	42.20	15.06	Peak	100	359
9	16830.00	60.14	68.20	-8.06	42.15	17.99	Peak	100	352

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

*Factor includes antenna factor , cable loss and amplifier gain

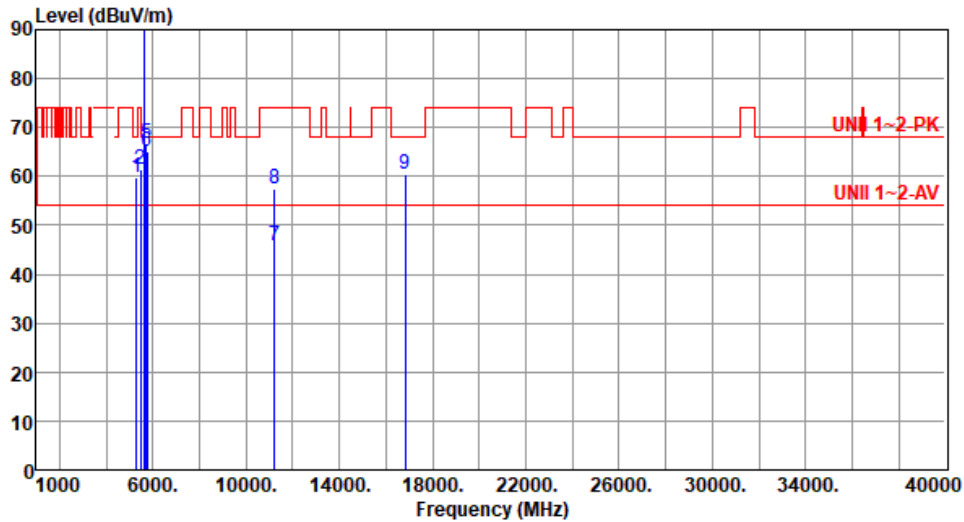
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



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

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	5280.00	59.93	68.20	-8.27	54.21	5.72	Peak	211	358
2	5470.00	61.38	68.20	-6.82	55.06	6.32	Peak	211	358
3 *	5610.00	104.77			98.38	6.39	Average	211	358
4 *	5610.00	119.32			112.93	6.39	Peak	211	358
5	5725.00	66.79	68.20	-1.41	60.20	6.59	Peak	211	358
6	5760.00	65.23	68.20	-2.97	58.59	6.64	Peak	210	355
7	11220.00	45.71	54.00	-8.29	30.65	15.06	Average	100	5
8	11220.00	57.57	74.00	-16.43	42.51	15.06	Peak	100	5
9	16830.00	60.44	68.20	-7.76	42.45	17.99	Peak	100	6

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

*Factor includes antenna factor , cable loss and amplifier gain

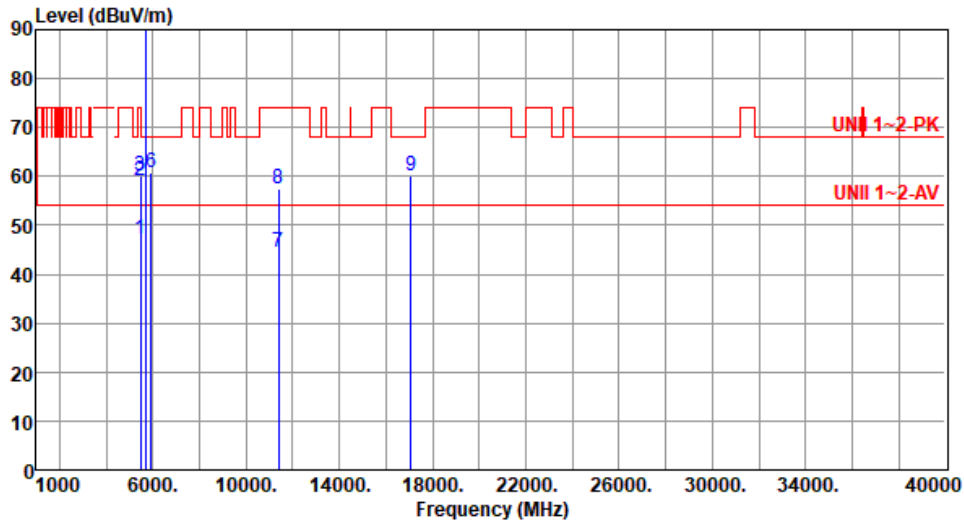
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



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

Test By : Akun Chung Temperature(°C): 24 Humidity(%): 67



	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	47.04	54.00	-6.96	40.74	6.30	Average	197	351
2	5460.00	59.04	74.00	-14.96	52.74	6.30	Peak	197	351
3	5470.00	60.07	68.20	-8.13	53.75	6.32	Peak	197	351
4 *	5690.00	105.48			98.99	6.49	Average	197	351
5 *	5690.00	116.03			109.54	6.49	Peak	197	351
6	5925.00	60.73	68.20	-7.47	53.70	7.03	Peak	197	351
7	11380.00	44.39	54.00	-9.61	29.25	15.14	Average	100	2
8	11380.00	57.34	74.00	-16.66	42.20	15.14	Peak	100	2
9	17070.00	60.25	68.20	-7.95	42.16	18.09	Peak	100	3

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

*Factor includes antenna factor , cable loss and amplifier gain

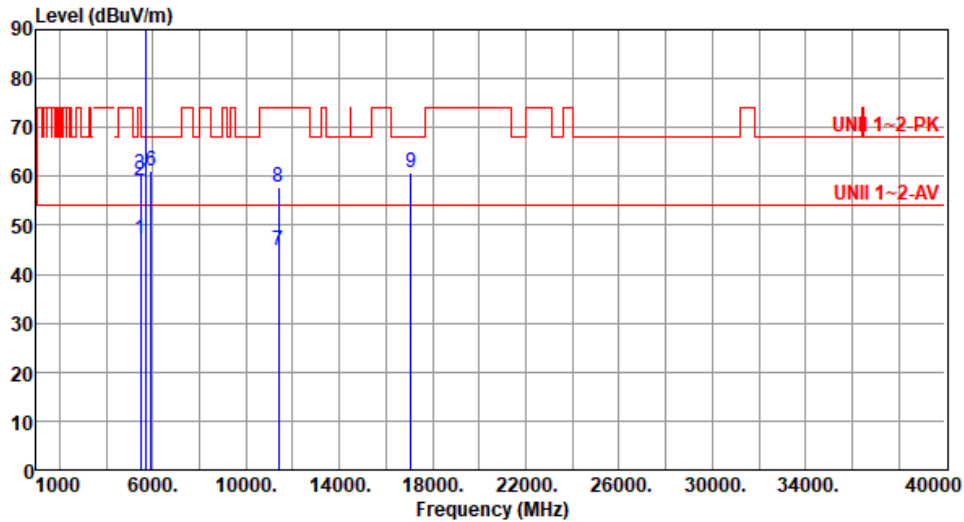
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: "*" is Peak / Average value of fundamental frequency



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

Test By : Akun Chung Temperature(°C): 24 Humidity(%): 67



	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	47.10	54.00	-6.90	40.80	6.30	Average	202	355
2	5460.00	59.15	74.00	-14.85	52.85	6.30	Peak	202	355
3	5470.00	60.57	68.20	-7.63	54.25	6.32	Peak	202	355
4 *	5690.00	105.97			99.48	6.49	Average	202	355
5 *	5690.00	116.44			109.95	6.49	Peak	202	355
6	5925.00	60.99	68.20	-7.21	53.96	7.03	Peak	202	355
7	11380.00	44.73	54.00	-9.27	29.59	15.14	Average	100	2
8	11380.00	57.66	74.00	-16.34	42.52	15.14	Peak	100	2
9	17070.00	60.68	68.20	-7.52	42.59	18.09	Peak	100	6

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

*Factor includes antenna factor , cable loss and amplifier gain

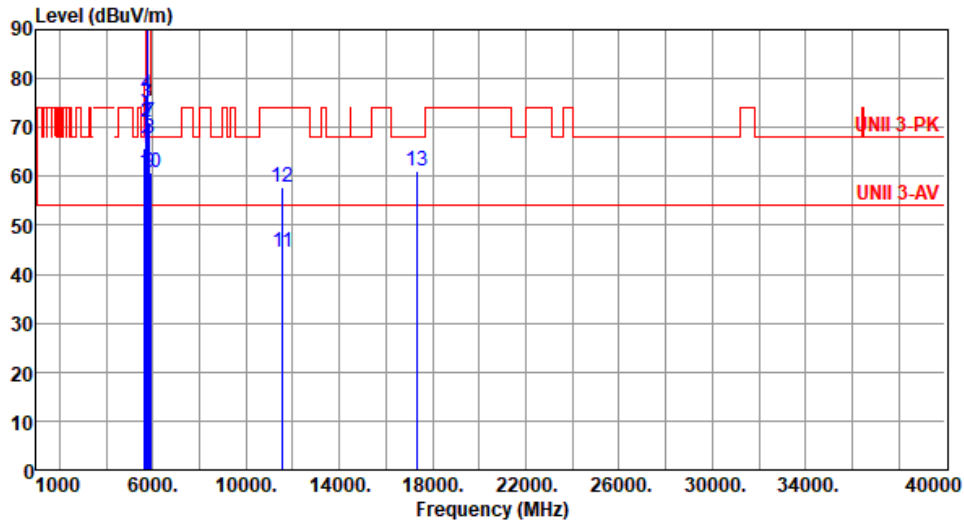
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: "*" is Peak / Average value of fundamental frequency



Modulation	ax HE80	Test Freq. (MHz)	5775
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	65.73	68.20	-2.47	59.41	6.32	Peak	189	358
2	5700.00	71.19	105.20	-34.01	64.66	6.53	Peak	189	358
3	5720.00	74.89	110.80	-35.91	68.31	6.58	Peak	189	358
4	5725.00	76.72	122.20	-45.48	70.13	6.59	Peak	189	358
5 *	5775.00	104.05			97.44	6.61	Average	189	358
6 *	5775.00	118.30			111.69	6.61	Peak	189	358
7	5850.00	70.96	122.20	-51.24	64.19	6.77	Peak	189	358
8	5855.00	67.91	110.80	-42.89	61.11	6.80	Peak	189	358
9	5875.00	60.69	105.20	-44.51	53.81	6.88	Peak	189	358
10	5925.00	60.71	68.20	-7.49	53.68	7.03	Peak	189	358
11	11550.00	44.65	54.00	-9.35	29.26	15.39	Average	100	352
12	11550.00	57.67	74.00	-16.33	42.28	15.39	Peak	100	352
13	17325.00	60.96	68.20	-7.24	42.28	18.68	Peak	100	356

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

*Factor includes antenna factor , cable loss and amplifier gain

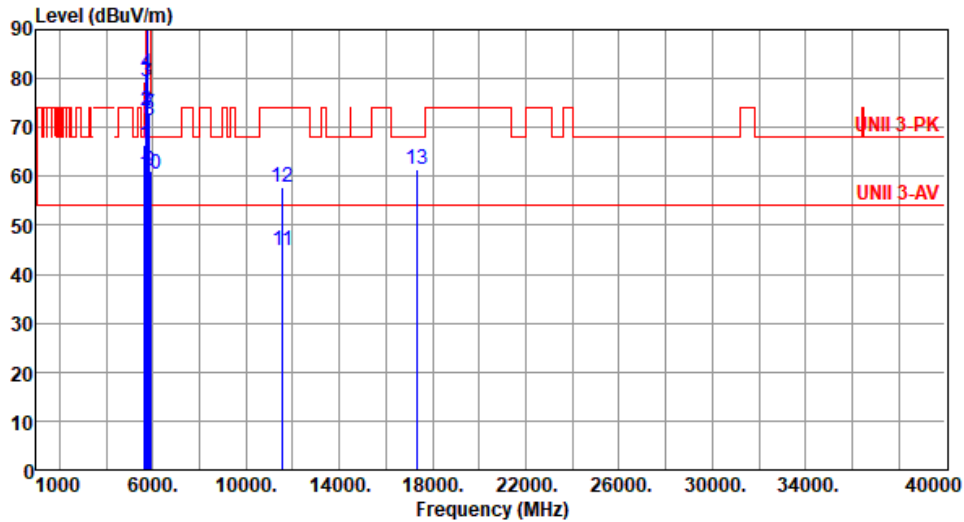
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



Modulation	ax HE80	Test Freq. (MHz)	5775
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	66.56	68.20	-1.64	60.24	6.32	Peak	203	355
2	5700.00	73.42	105.20	-31.78	66.89	6.53	Peak	203	355
3	5720.00	79.28	110.80	-31.52	72.70	6.58	Peak	203	355
4	5725.00	81.10	122.20	-41.10	74.51	6.59	Peak	203	355
5 *	5775.00	104.90			98.29	6.61	Average	203	355
6 *	5775.00	119.45			112.84	6.61	Peak	203	355
7	5850.00	72.61	122.20	-49.59	65.84	6.77	Peak	203	355
8	5855.00	71.44	110.80	-39.36	64.64	6.80	Peak	203	355
9	5875.00	61.19	105.20	-44.01	54.31	6.88	Peak	203	355
10	5925.00	60.45	68.20	-7.75	53.42	7.03	Peak	203	355
11	11550.00	44.91	54.00	-9.09	29.52	15.39	Average	100	1
12	11550.00	57.91	74.00	-16.09	42.52	15.39	Peak	100	1
13	17325.00	61.27	68.20	-6.93	42.59	18.68	Peak	100	4

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

*Factor includes antenna factor , cable loss and amplifier gain

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

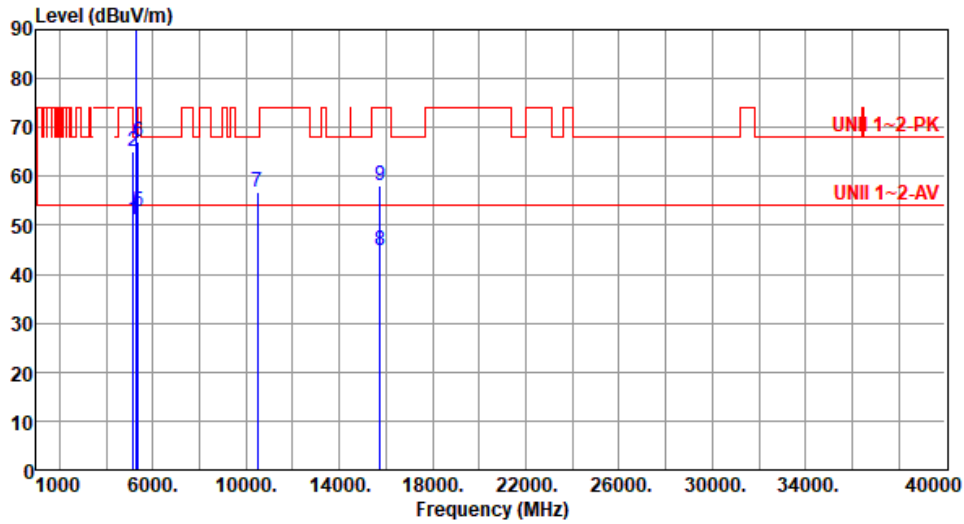
Note 3:"*" is Peak / Average value of fundamental frequency



Unwanted Emissions (Above 1GHz) for ax HE80

Modulation	ax HE160	Test Freq. (MHz)	5250
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	51.16	54.00	-2.84	44.85	6.31	Average	184	9
2	5150.00	65.10	74.00	-8.90	58.79	6.31	Peak	184	9
3 *	5250.00	100.63			94.86	5.77	Average	184	9
4 *	5250.00	113.59			107.82	5.77	Peak	184	9
5	5350.00	52.87	54.00	-1.13	47.15	5.72	Average	184	9
6	5350.00	67.03	74.00	-6.97	61.31	5.72	Peak	184	9
7	10500.00	56.76	68.20	-11.44	42.10	14.66	Peak	100	1
8	15750.00	44.95	54.00	-9.05	29.04	15.91	Average	100	2
9	15750.00	57.99	74.00	-16.01	42.08	15.91	Peak	100	2

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

*Factor includes antenna factor , cable loss and amplifier gain

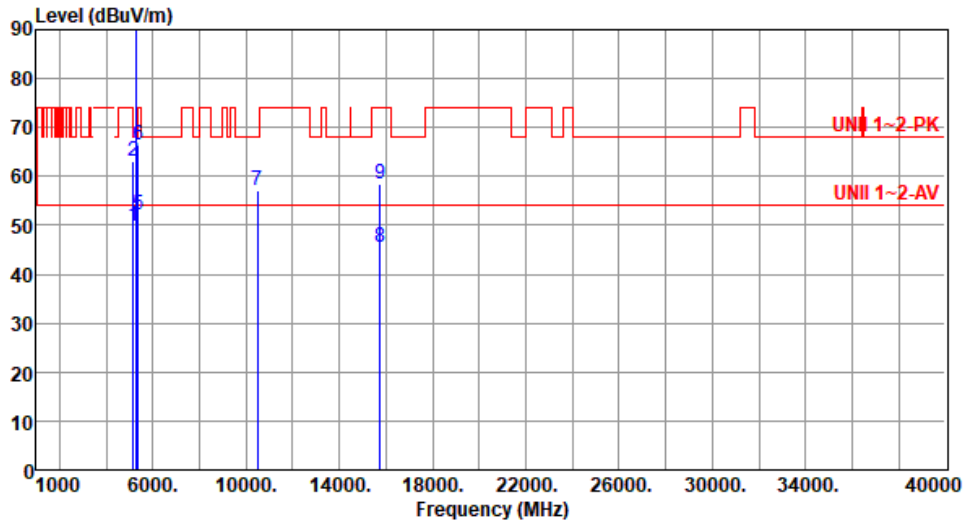
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: "*" is Peak / Average value of fundamental frequency



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

Test By :Brad Wu Temperature(°C):23 Humidity(%):69



	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	49.96	54.00	-4.04	43.65	6.31	Average	222	3
2	5150.00	63.21	74.00	-10.79	56.90	6.31	Peak	222	3
3 *	5250.00	99.89			94.12	5.77	Average	222	3
4 *	5250.00	113.13			107.36	5.77	Peak	222	3
5	5350.00	52.04	54.00	-1.96	46.32	5.72	Average	222	3
6	5350.00	66.31	74.00	-7.69	60.59	5.72	Peak	222	3
7	10500.00	57.06	68.20	-11.14	42.40	14.66	Peak	100	10
8	15750.00	45.35	54.00	-8.65	29.44	15.91	Average	100	15
9	15750.00	58.29	74.00	-15.71	42.38	15.91	Peak	100	15

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

*Factor includes antenna factor , cable loss and amplifier gain

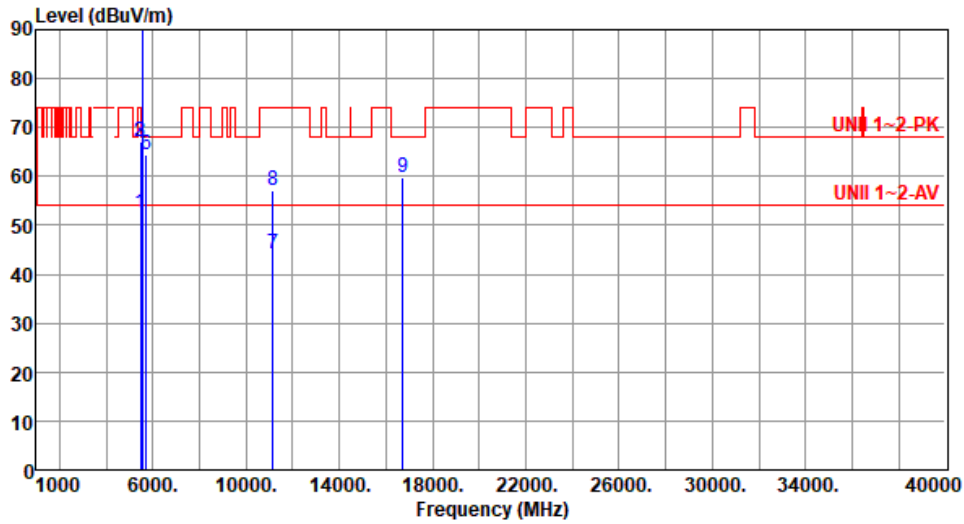
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



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

Test By :Brad Wu Temperature(°C):23 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	52.57	54.00	-1.43	46.27	6.30	Average	191	354
2	5460.00	67.00	74.00	-7.00	60.70	6.30	Peak	191	354
3	5470.00	67.17	68.20	-1.03	60.85	6.32	Peak	191	354
4 *	5570.00	101.43			94.97	6.46	Average	191	354
5 *	5570.00	114.61			108.15	6.46	Peak	191	354
6	5725.00	64.37	68.20	-3.83	57.78	6.59	Peak	191	354
7	11140.00	44.25	54.00	-9.75	29.05	15.20	Average	100	350
8	11140.00	57.23	74.00	-16.77	42.03	15.20	Peak	100	350
9	16710.00	59.63	68.20	-8.57	42.10	17.53	Peak	100	355

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

*Factor includes antenna factor , cable loss and amplifier gain

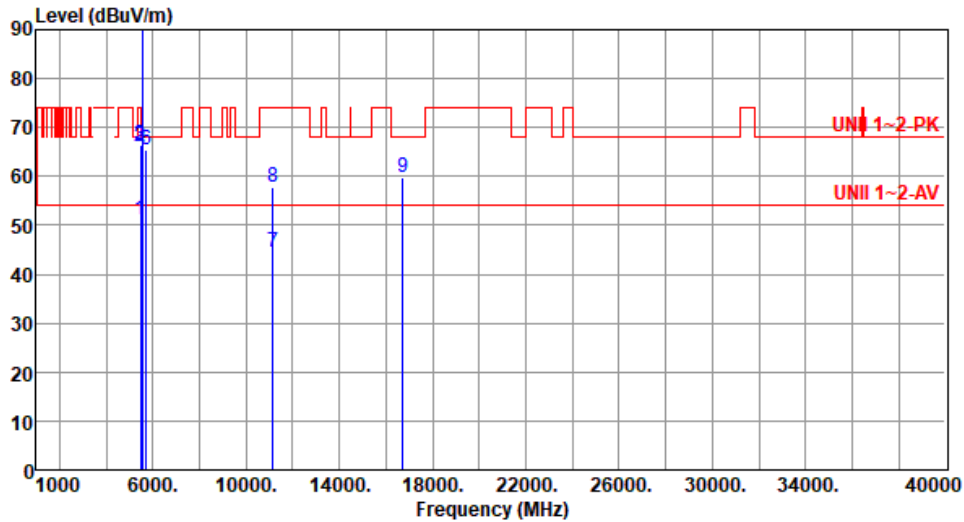
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3:"*" is Peak / Average value of fundamental frequency



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

Test By :Brad Wu Temperature(°C):23 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	51.14	54.00	-2.86	44.84	6.30	Average	213	359
2	5460.00	66.05	74.00	-7.95	59.75	6.30	Peak	213	359
3	5470.00	66.30	68.20	-1.90	59.98	6.32	Peak	213	359
4 *	5570.00	100.21			93.75	6.46	Average	213	359
5 *	5570.00	114.04			107.58	6.46	Peak	213	359
6	5725.00	65.50	68.20	-2.70	58.91	6.59	Peak	213	359
7	11140.00	44.50	54.00	-9.50	29.30	15.20	Average	100	2
8	11140.00	57.65	74.00	-16.35	42.45	15.20	Peak	100	2
9	16710.00	59.89	68.20	-8.31	42.36	17.53	Peak	100	3

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

*Factor includes antenna factor , cable loss and amplifier gain

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

Note 3:"*" is Peak / Average value of fundamental frequency

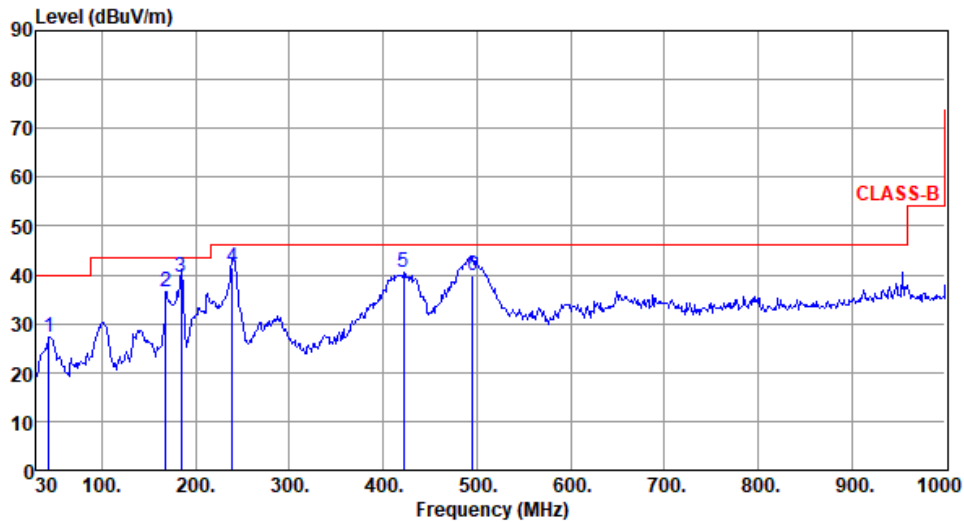


POE mode

Unwanted Emissions (Below 1GHz)

Modulation	ax HE40	Test Freq. (MHz)	5230
Polarization	Horizontal		

Test By :Akun Chung Temperature(°C):22 Humidity(%):69



	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	43.58	27.26	40.00	-12.74	35.75	-8.49	Peak	---	---
2	167.74	36.53	43.50	-6.97	45.20	-8.67	Peak	---	---
3	184.23	39.65	43.50	-3.85	49.97	-10.32	QP	161	113
4	239.52	41.55	46.00	-4.45	51.61	-10.06	QP	113	122
5	421.88	40.46	46.00	-5.54	44.86	-4.40	Peak	---	---
6	495.60	39.70	46.00	-6.30	42.07	-2.37	QP	159	203

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

*Factor includes antenna factor , cable loss and amplifier gain

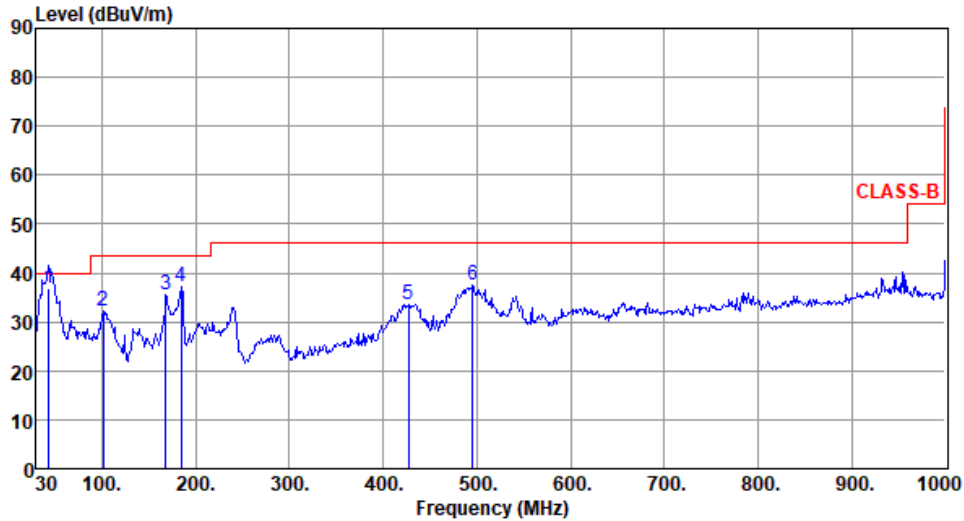
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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



Modulation	ax HE40	Test Freq. (MHz)	5230
Polarization	Vertical		

Test By :Akun Chung Temperature(°C):22 Humidity(%):69



	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	43.58	36.92	40.00	-3.08	45.41	-8.49	QP	100	10
2	101.78	32.09	43.50	-11.41	44.79	-12.70	Peak	---	---
3	167.74	35.43	43.50	-8.07	44.10	-8.67	Peak	---	---
4	184.23	37.13	43.50	-6.37	47.45	-10.32	Peak	---	---
5	426.73	33.70	46.00	-12.30	37.93	-4.23	Peak	---	---
6	495.60	37.43	46.00	-8.57	39.80	-2.37	Peak	---	---

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

*Factor includes antenna factor , cable loss and amplifier gain

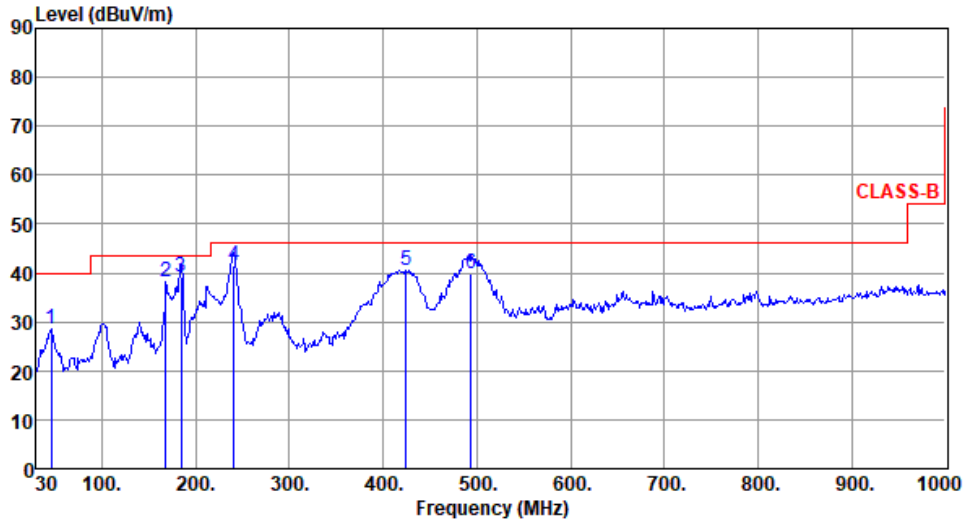
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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



Modulation	ax HE20	Test Freq. (MHz)	5825
Polarization	Horizontal		

Test By :Akun Chung Temperature(°C):22 Humidity(%):69



	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	45.52	28.40	40.00	-11.60	36.82	-8.42	Peak	---	---
2	167.74	38.10	43.50	-5.40	46.77	-8.67	Peak	---	---
3	184.23	39.17	43.50	-4.33	49.49	-10.32	QP	153	118
4	240.49	41.54	46.00	-4.46	51.52	-9.98	QP	108	195
5	424.79	40.57	46.00	-5.43	44.89	-4.32	Peak	---	---
6	493.66	39.80	46.00	-6.20	42.24	-2.44	QP	149	206

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

*Factor includes antenna factor , cable loss and amplifier gain

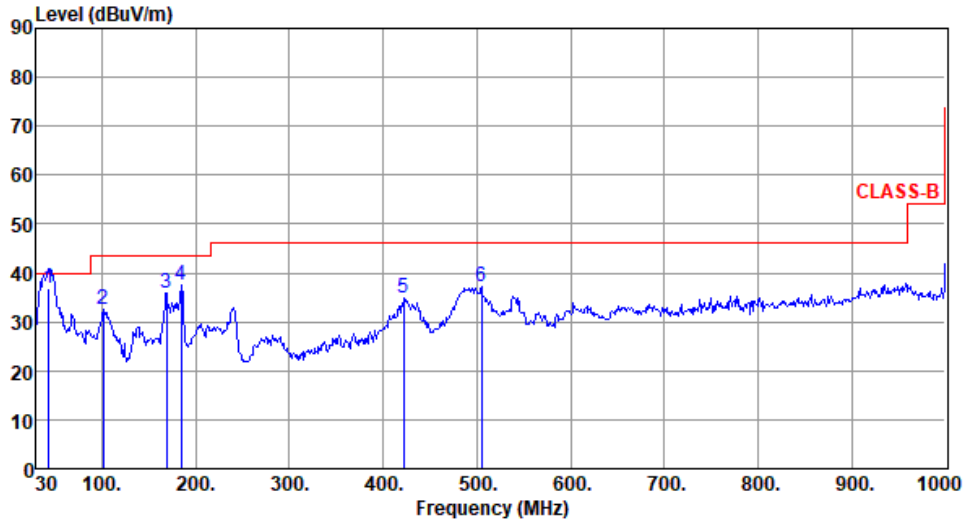
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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



Modulation	ax HE20	Test Freq. (MHz)	5825
Polarization	Vertical		

Test By :Akun Chung Temperature(°C):22 Humidity(%):69



	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	43.58	36.95	40.00	-3.05	45.44	-8.49	QP	100	18
2	101.78	32.41	43.50	-11.09	45.11	-12.70	Peak	---	---
3	168.71	35.97	43.50	-7.53	44.63	-8.66	Peak	---	---
4	184.23	37.45	43.50	-6.05	47.77	-10.32	Peak	---	---
5	421.88	34.84	46.00	-11.16	39.24	-4.40	Peak	---	---
6	505.30	37.07	46.00	-8.93	39.19	-2.12	Peak	---	---

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

*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.



Frequency: 5300 MHz	Frequency Drift (ppm)			
	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.47	0.81	0.72	0.69
T20°CVmin	0.72	1.03	0.26	0.69
T50°CVnom	-8.74	-8.56	-8.40	-8.53
T40°CVnom	-5.87	-5.66	-5.47	-5.84
T30°CVnom	-4.43	-4.37	-4.01	-3.79
T20°CVnom	0.23	0.87	0.42	0.81
T10°CVnom	2.74	3.17	3.00	2.77
T0°CVnom	3.70	3.58	3.77	3.85
T-10°CVnom	4.62	4.64	4.72	4.88
T-20°CVnom	5.43	5.65	5.51	5.78
T-30°CVnom	6.00	5.93	6.76	6.09
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

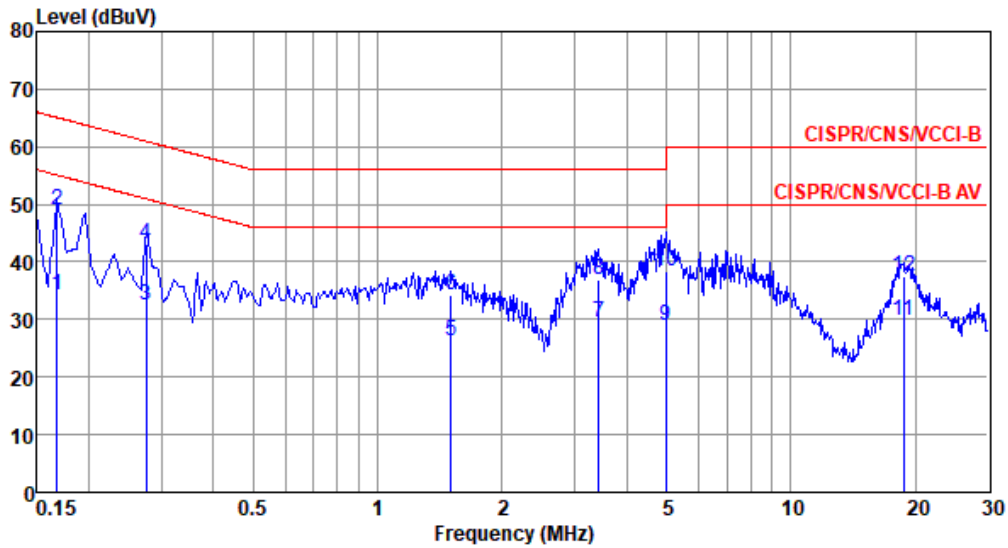
Frequency: 5785 MHz	Frequency Drift (ppm)			
	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	0.43	0.30	0.97	0.92
T20°CVmin	0.66	0.41	0.89	0.78
T50CVnom	-8.00	-8.48	-7.37	-7.47
T40°CVnom	-5.38	-5.37	-5.50	-5.37
T30°CVnom	-4.06	-4.36	-3.46	-3.77
T20°CVnom	0.21	0.16	0.74	0.63
T10°CVnom	2.51	2.50	2.92	3.00
T0°CVnom	3.39	4.14	3.54	3.04
T-10°CVnom	4.24	4.30	4.48	4.42
T-20°CVnom	4.98	4.86	4.96	5.03
T-30°CVnom	5.50	5.52	5.77	5.86
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30



Adapter mode

Modulation Mode	ax HE40	Test Freq. (MHz)	5230
Power Phase	Line		

Test by : Joe Liao Temperature: 21°C Humidity: 64%



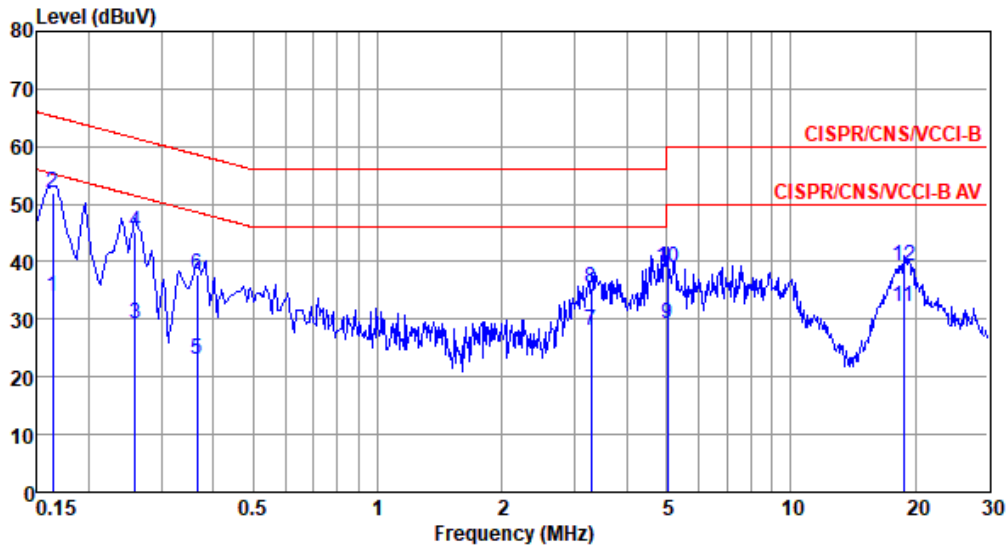
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.168	34.32	55.08	-20.76	24.35	9.68	0.08	0.21	Average
2*	0.168	49.14	65.08	-15.94	39.17	9.68	0.08	0.21	QP
3	0.276	32.41	50.94	-18.53	22.37	9.68	0.08	0.28	Average
4	0.276	43.15	60.94	-17.79	33.11	9.68	0.08	0.28	QP
5	1.503	26.27	46.00	-19.73	16.02	9.69	0.18	0.38	Average
6	1.503	34.17	56.00	-21.83	23.92	9.69	0.18	0.38	QP
7	3.436	29.49	46.00	-16.51	19.17	9.70	0.21	0.41	Average
8	3.436	36.95	56.00	-19.05	26.63	9.70	0.21	0.41	QP
9	4.978	28.90	46.00	-17.10	18.50	9.71	0.27	0.42	Average
10	4.978	38.38	56.00	-17.62	27.98	9.71	0.27	0.42	QP
11	18.721	29.84	50.00	-20.16	18.85	9.73	0.64	0.62	Average
12	18.721	37.54	60.00	-22.46	26.55	9.73	0.64	0.62	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
 Note 2: Over Limit (dB) = Level (dBuV) - Limit Line (dBuV).



Modulation Mode	ax HE40	Test Freq. (MHz)	5230
Power Phase	Neutral		

Test by : Joe Liao Temperature: 21°C Humidity: 64%



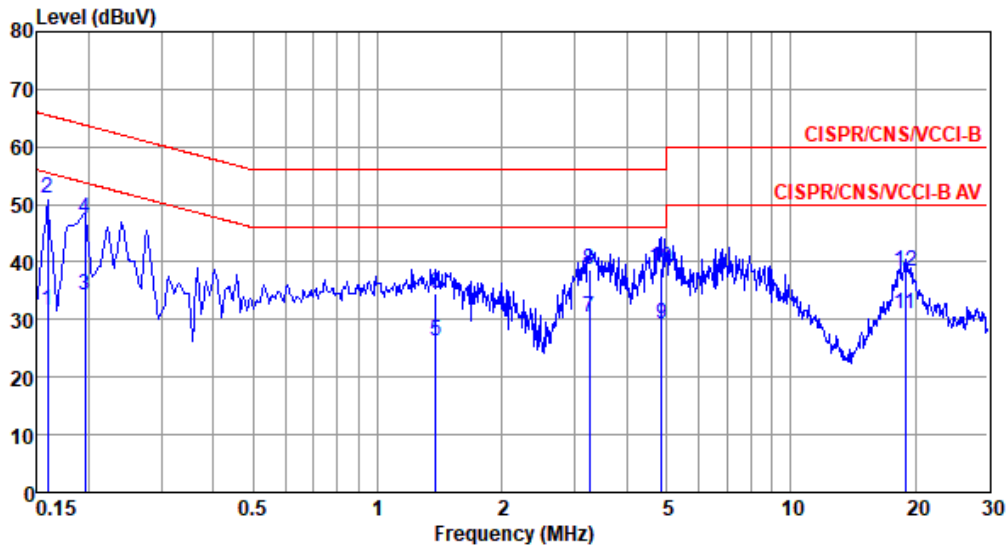
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.163	33.99	55.30	-21.31	24.13	9.61	0.08	0.17	Average
2*	0.163	51.99	65.30	-13.31	42.13	9.61	0.08	0.17	QP
3	0.259	29.32	51.47	-22.15	19.45	9.61	0.08	0.18	Average
4	0.259	45.30	61.47	-16.17	35.43	9.61	0.08	0.18	QP
5	0.365	22.93	48.61	-25.68	13.05	9.61	0.08	0.19	Average
6	0.365	37.76	58.61	-20.85	27.88	9.61	0.08	0.19	QP
7	3.293	27.97	46.00	-18.03	17.81	9.63	0.21	0.32	Average
8	3.293	35.34	56.00	-20.66	25.18	9.63	0.21	0.32	QP
9	5.031	29.32	50.00	-20.68	19.06	9.65	0.27	0.34	Average
10	5.031	38.94	60.00	-21.06	28.68	9.65	0.27	0.34	QP
11	18.721	32.18	50.00	-17.82	21.31	9.78	0.64	0.45	Average
12	18.721	39.22	60.00	-20.78	28.35	9.78	0.64	0.45	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
 Note 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).



Modulation Mode	ax HE20	Test Freq. (MHz)	5825
Power Phase	Line		

Test by : Joe Liao Temperature: 21°C Humidity: 64%



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.159	31.49	55.52	-24.03	21.53	9.68	0.08	0.20	Average
2*	0.159	51.15	65.52	-14.37	41.19	9.68	0.08	0.20	QP
3	0.195	34.14	53.80	-19.66	24.16	9.68	0.08	0.22	Average
4	0.195	47.57	63.80	-16.23	37.59	9.68	0.08	0.22	QP
5	1.381	26.13	46.00	-19.87	15.89	9.68	0.18	0.38	Average
6	1.381	34.62	56.00	-21.38	24.38	9.68	0.18	0.38	QP
7	3.258	30.50	46.00	-15.50	20.18	9.70	0.21	0.41	Average
8	3.258	38.71	56.00	-17.29	28.39	9.70	0.21	0.41	QP
9	4.874	29.26	46.00	-16.74	18.87	9.71	0.26	0.42	Average
10	4.874	38.91	56.00	-17.09	28.52	9.71	0.26	0.42	QP
11	18.920	30.93	50.00	-19.07	19.94	9.73	0.64	0.62	Average
12	18.920	38.40	60.00	-21.60	27.41	9.73	0.64	0.62	QP

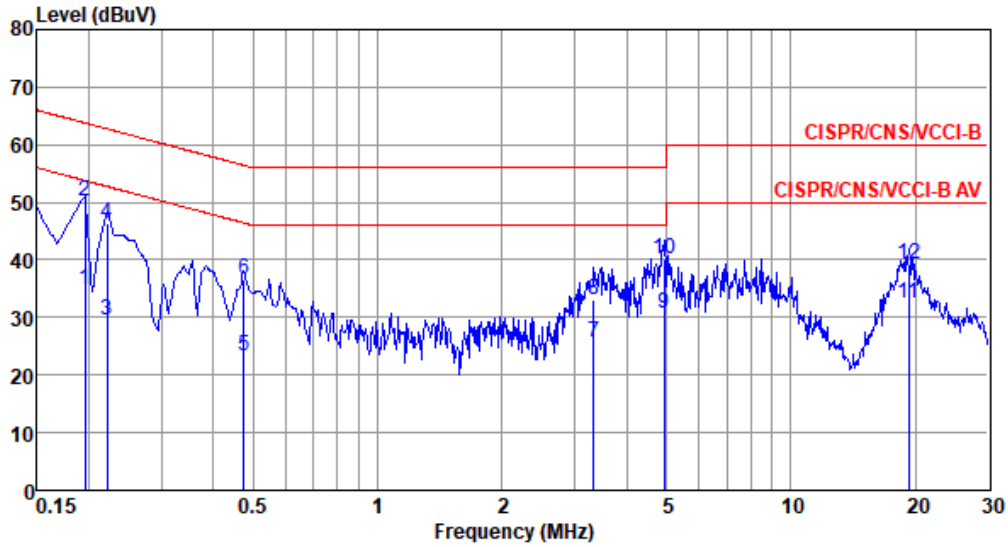
Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).



Modulation Mode	ax HE20	Test Freq. (MHz)	5825
Power Phase	Neutral		

Test by : Joe Liao Temperature: 21°C Humidity: 64%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.195	34.97	53.80	-18.83	25.10	9.61	0.08	0.18	Average
2*	0.195	50.24	63.80	-13.56	40.37	9.61	0.08	0.18	QP
3	0.222	29.58	52.74	-23.16	19.71	9.61	0.08	0.18	Average
4	0.222	46.46	62.74	-16.28	36.59	9.61	0.08	0.18	QP
5	0.474	23.32	46.45	-23.13	13.41	9.61	0.09	0.21	Average
6	0.474	36.67	56.45	-19.78	26.76	9.61	0.09	0.21	QP
7	3.328	25.54	46.00	-20.46	15.38	9.63	0.21	0.32	Average
8	3.328	32.92	56.00	-23.08	22.76	9.63	0.21	0.32	QP
9	4.926	30.69	46.00	-15.31	20.44	9.65	0.26	0.34	Average
10	4.926	40.24	56.00	-15.76	29.99	9.65	0.26	0.34	QP
11	19.326	32.36	50.00	-17.64	21.47	9.79	0.65	0.45	Average
12	19.326	39.23	60.00	-20.77	28.34	9.79	0.65	0.45	QP

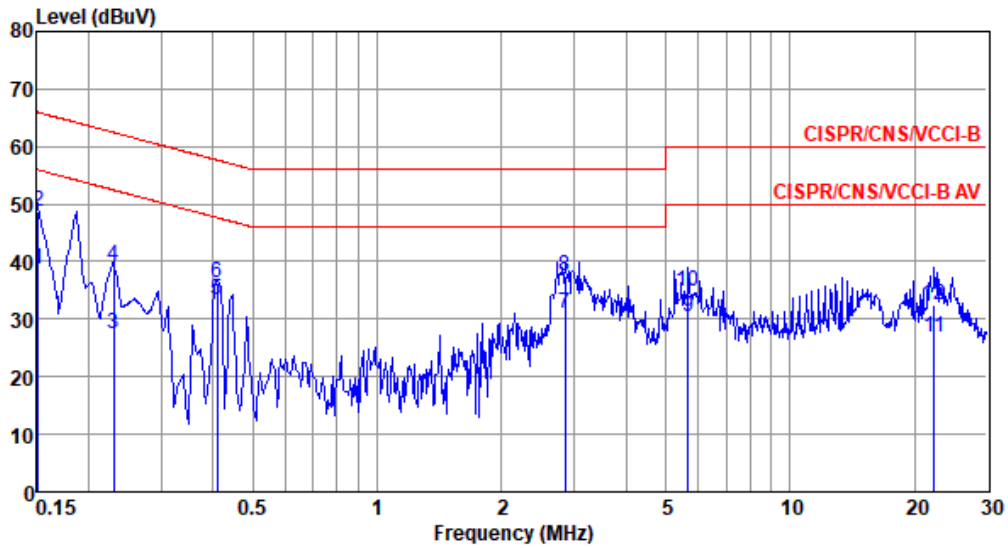
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
 Note 2: Over Limit (dB) = Level (dBuV) - Limit Line (dBuV).



POE mode

Modulation Mode	ax HE40	Test Freq. (MHz)	5230
Power Phase	Line		

Test by : Joe Liao Temperature: 21°C Humidity: 64%



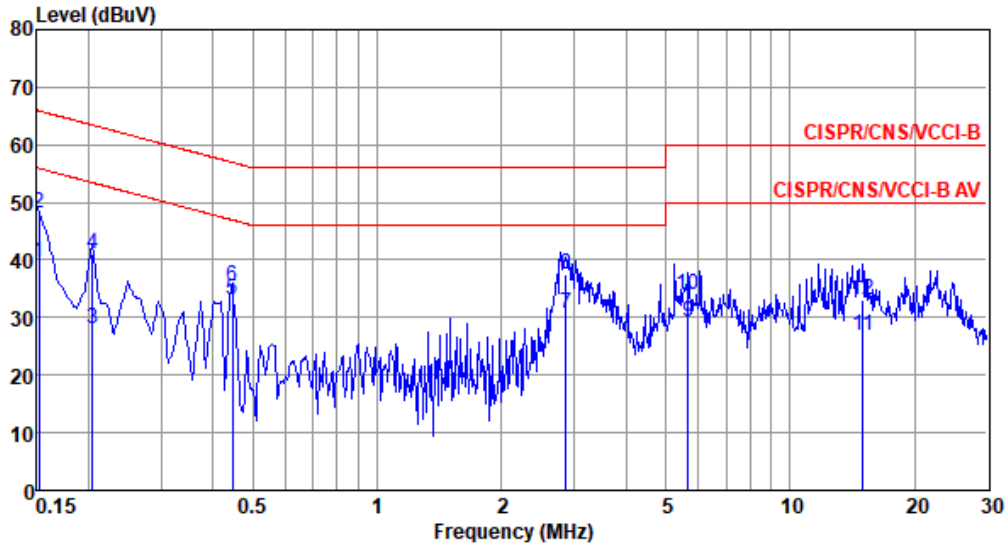
	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.151	38.75	55.96	-17.21	28.99	9.68	0.08	0.00	Average
2	0.151	48.61	65.96	-17.35	38.85	9.68	0.08	0.00	QP
3	0.230	27.51	52.44	-24.93	17.75	9.68	0.08	0.00	Average
4	0.230	39.28	62.44	-23.16	29.52	9.68	0.08	0.00	QP
5*	0.411	33.41	47.64	-14.23	23.66	9.67	0.08	0.00	Average
6	0.411	36.25	57.64	-21.39	26.50	9.67	0.08	0.00	QP
7	2.854	31.06	46.00	-14.94	21.15	9.70	0.21	0.00	Average
8	2.854	37.40	56.00	-18.60	27.49	9.70	0.21	0.00	QP
9	5.653	30.32	50.00	-19.68	20.31	9.71	0.30	0.00	Average
10	5.653	34.86	60.00	-25.14	24.85	9.71	0.30	0.00	QP
11	22.298	26.81	50.00	-23.19	16.43	9.71	0.67	0.00	Average
12	22.298	32.34	60.00	-27.66	21.96	9.71	0.67	0.00	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
 Note 2: Over Limit (dB) = Level (dBUV) - Limit Line (dBUV).



Modulation Mode	ax HE40	Test Freq. (MHz)	5230
Power Phase	Neutral		

Test by : Joe Liao Temperature: 21°C Humidity: 64%



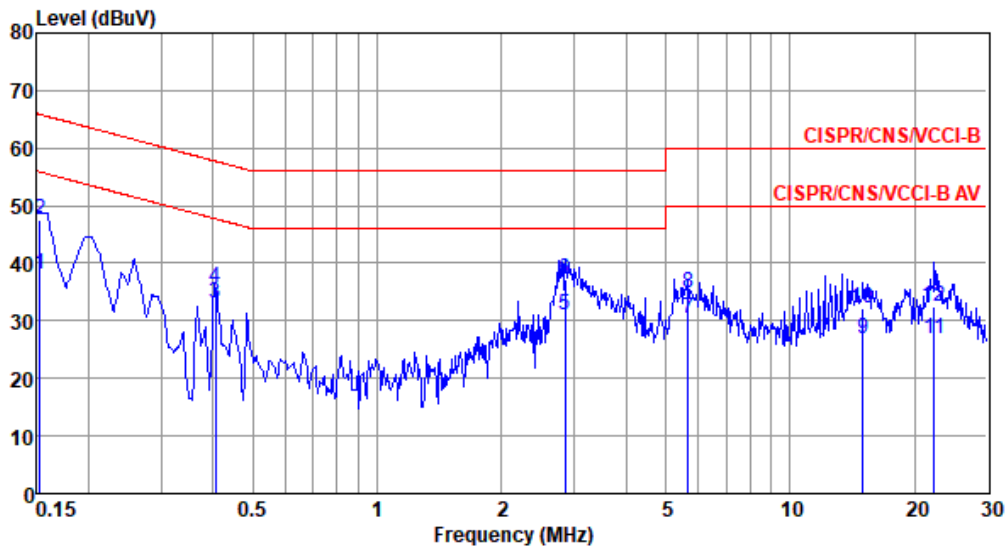
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.152	39.63	55.91	-16.28	29.94	9.61	0.08	0.00	Average
2	0.152	48.15	65.91	-17.76	38.46	9.61	0.08	0.00	QP
3	0.204	28.02	53.45	-25.43	18.33	9.61	0.08	0.00	Average
4	0.204	41.08	63.45	-22.37	31.39	9.61	0.08	0.00	QP
5*	0.447	33.12	46.93	-13.81	23.42	9.61	0.09	0.00	Average
6	0.447	35.55	56.93	-21.38	25.85	9.61	0.09	0.00	QP
7	2.869	30.77	46.00	-15.23	20.93	9.63	0.21	0.00	Average
8	2.869	37.40	56.00	-18.60	27.56	9.63	0.21	0.00	QP
9	5.653	29.13	50.00	-20.87	19.17	9.66	0.30	0.00	Average
10	5.653	33.94	60.00	-26.06	23.98	9.66	0.30	0.00	QP
11	14.986	27.01	50.00	-22.99	16.70	9.75	0.56	0.00	Average
12	14.986	33.20	60.00	-26.80	22.89	9.75	0.56	0.00	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
 Note 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).



Modulation Mode	ax HE20	Test Freq. (MHz)	5825
Power Phase	Line		

Test by : Joe Liao Temperature: 21°C Humidity: 64%



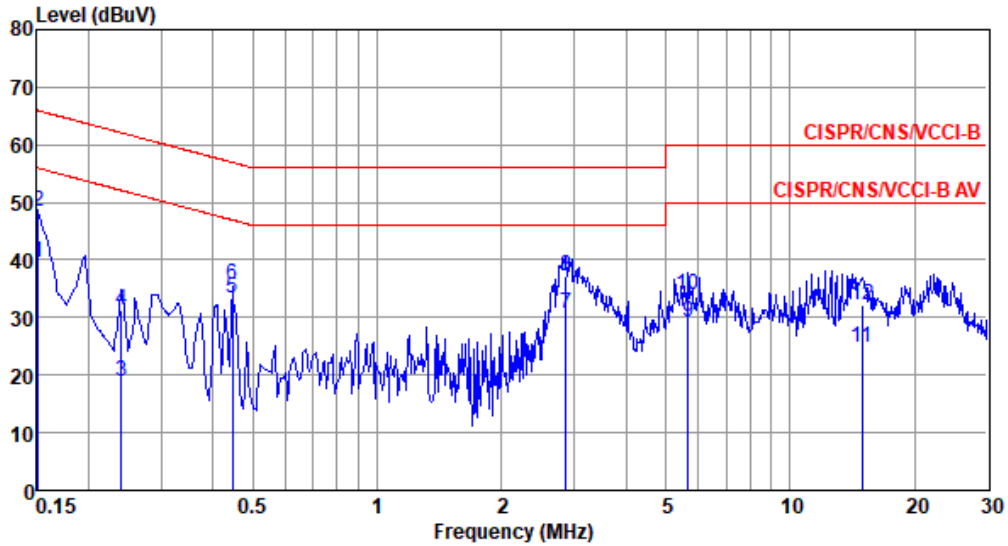
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.152	38.00	55.87	-17.87	28.24	9.68	0.08	0.00	Average
2	0.152	47.61	65.87	-18.26	37.85	9.68	0.08	0.00	QP
3*	0.406	33.07	47.74	-14.67	23.32	9.67	0.08	0.00	Average
4	0.406	35.86	57.74	-21.88	26.11	9.67	0.08	0.00	QP
5	2.854	30.86	46.00	-15.14	20.95	9.70	0.21	0.00	Average
6	2.854	37.15	56.00	-18.85	27.24	9.70	0.21	0.00	QP
7	5.653	30.31	50.00	-19.69	20.30	9.71	0.30	0.00	Average
8	5.653	34.79	60.00	-25.21	24.78	9.71	0.30	0.00	QP
9	14.986	26.81	50.00	-23.19	16.52	9.73	0.56	0.00	Average
10	14.986	32.08	60.00	-27.92	21.79	9.73	0.56	0.00	QP
11	22.298	26.98	50.00	-23.02	16.60	9.71	0.67	0.00	Average
12	22.298	32.36	60.00	-27.64	21.98	9.71	0.67	0.00	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).



Modulation Mode	ax HE20	Test Freq. (MHz)	5825
Power Phase	Neutral		

Test by : Joe Liao Temperature: 21°C Humidity: 64%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.151	39.60	55.96	-16.36	29.91	9.61	0.08	0.00	Average
2	0.151	48.31	65.96	-17.65	38.62	9.61	0.08	0.00	QP
3	0.240	18.97	52.08	-33.11	9.28	9.61	0.08	0.00	Average
4	0.240	31.37	62.08	-30.71	21.68	9.61	0.08	0.00	QP
5*	0.447	33.35	46.93	-13.58	23.65	9.61	0.09	0.00	Average
6	0.447	35.68	56.93	-21.25	25.98	9.61	0.09	0.00	QP
7	2.869	30.80	46.00	-15.20	20.96	9.63	0.21	0.00	Average
8	2.869	37.21	56.00	-18.79	27.37	9.63	0.21	0.00	QP
9	5.653	29.36	50.00	-20.64	19.40	9.66	0.30	0.00	Average
10	5.653	34.00	60.00	-26.00	24.04	9.66	0.30	0.00	QP
11	14.907	24.89	50.00	-25.11	14.58	9.75	0.56	0.00	Average
12	14.907	32.22	60.00	-27.78	21.91	9.75	0.56	0.00	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
 Note 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).