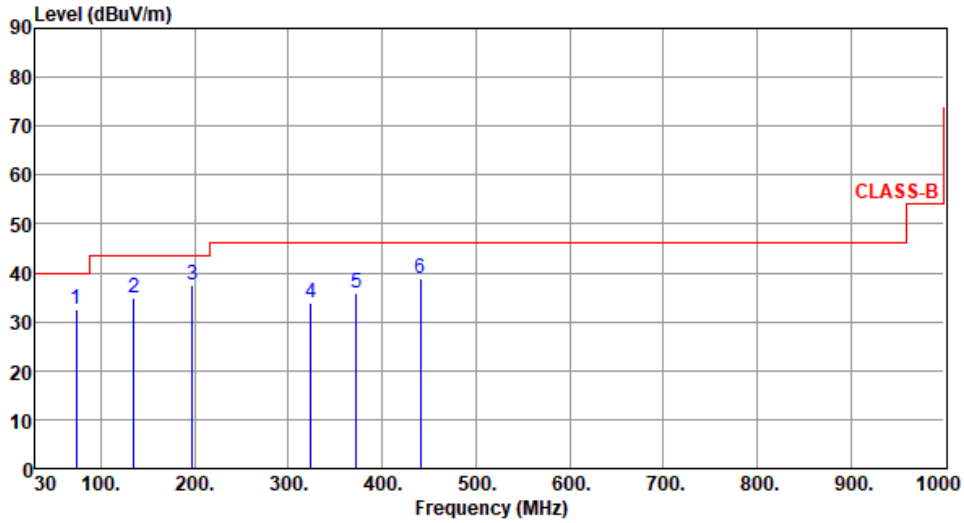
SC Module

Unwanted Emissions (Below 1GHz)

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

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

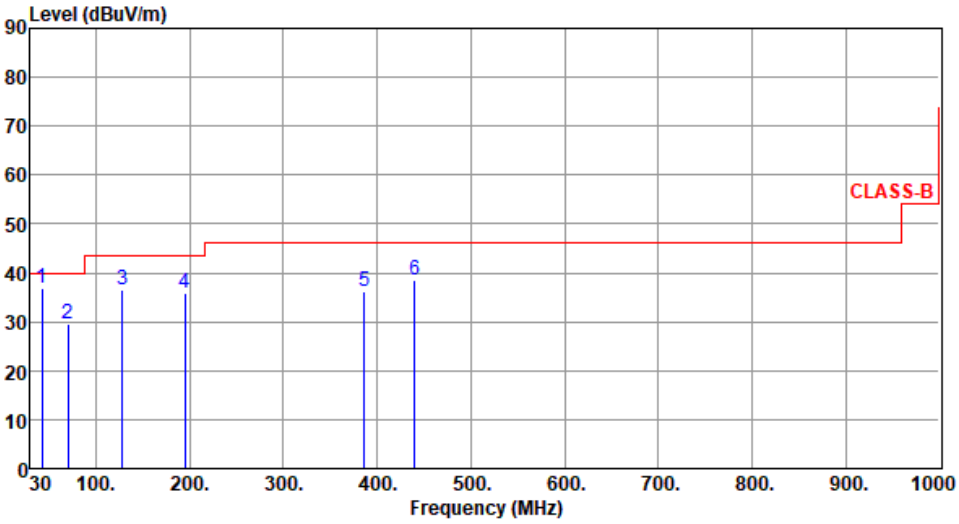


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	73.65	32.52	40.00	-7.48	44.63	-12.11	Peak	---	---
2	134.76	34.86	43.50	-8.64	44.75	-9.89	Peak	---	---
3	197.81	37.58	43.50	-5.92	49.37	-11.79	Peak	---	---
4	323.91	33.88	46.00	-12.12	41.40	-7.52	Peak	---	---
5	372.41	36.02	46.00	-9.98	42.37	-6.35	Peak	---	---
6	441.28	38.94	46.00	-7.06	43.35	-4.41	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-OFDMA	**Test Freq. (MHz)**	5580
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

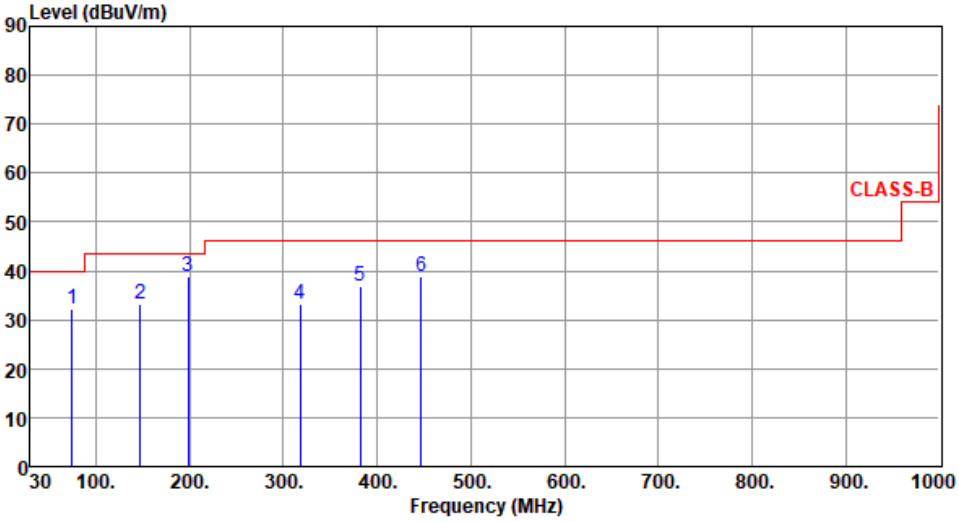


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	42.58	36.73	40.00	-3.27	45.08	-8.35	QP	100	169
2	69.77	29.46	40.00	-10.54	40.72	-11.26	Peak	---	---
3	127.97	36.67	43.50	-6.83	47.08	-10.41	Peak	---	---
4	194.90	35.95	43.50	-7.55	47.63	-11.68	Peak	---	---
5	385.99	36.04	46.00	-9.96	41.93	-5.89	Peak	---	---
6	440.31	38.40	46.00	-7.60	42.83	-4.43	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-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

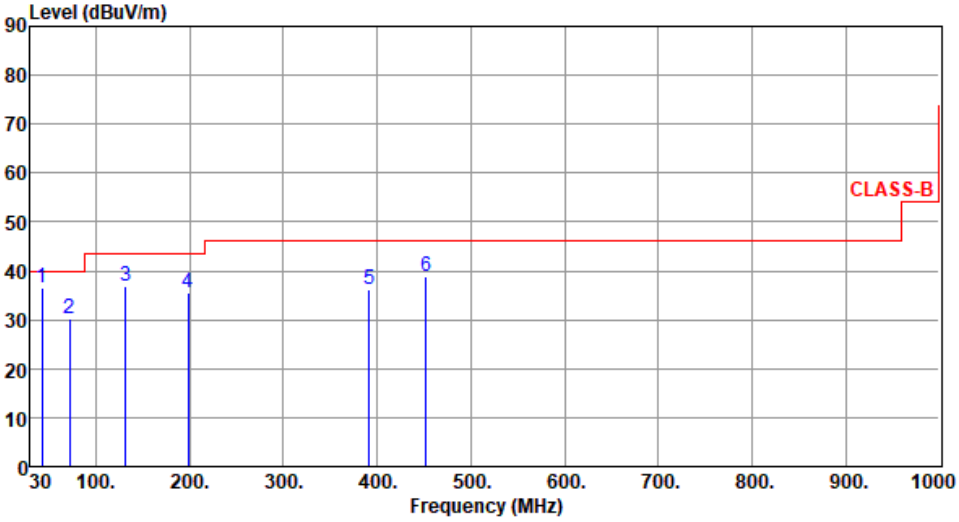


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	74.62	32.38	40.00	-7.62	44.65	-12.27	Peak	---	---
2	147.37	33.33	43.50	-10.17	42.23	-8.90	Peak	---	---
3	198.78	38.71	43.50	-4.79	50.48	-11.77	Peak	---	---
4	318.09	33.24	46.00	-12.76	40.82	-7.58	Peak	---	---
5	382.11	36.85	46.00	-9.15	42.83	-5.98	Peak	---	---
6	447.10	38.76	46.00	-7.24	43.04	-4.28	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-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66



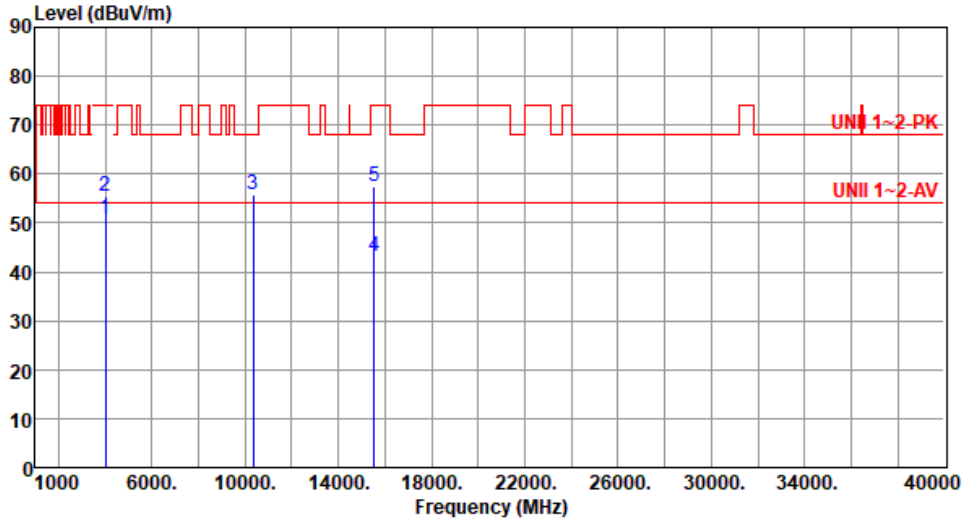
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	42.57	36.68	40.00	-3.32	45.03	-8.35	QP	100	175
2	71.69	30.12	40.00	-9.88	41.57	-11.45	Peak	---	---
3	131.85	36.92	43.50	-6.58	47.19	-10.27	Peak	---	---
4	198.78	35.65	43.50	-7.85	47.42	-11.77	Peak	---	---
5	391.81	36.23	46.00	-9.77	41.97	-5.74	Peak	---	---
6	451.95	38.90	46.00	-7.10	43.07	-4.17	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.

Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

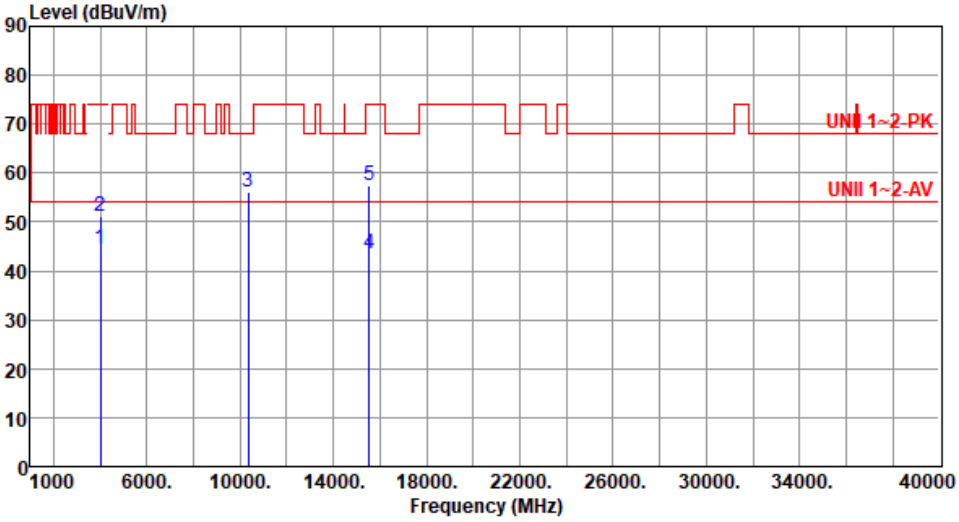


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.86	54.00	-3.14	53.10	-2.24	Average	287	132
2	4000.00	55.31	74.00	-18.69	57.55	-2.24	Peak	287	132
3	10360.00	55.66	68.20	-12.54	48.65	7.01	Peak	100	118
4	15540.00	43.34	54.00	-10.66	39.29	4.05	Average	100	168
5	15540.00	57.32	74.00	-16.68	53.27	4.05	Peak	100	168

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).

Modulation	11a	**Test Freq. (MHz)**	5180
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

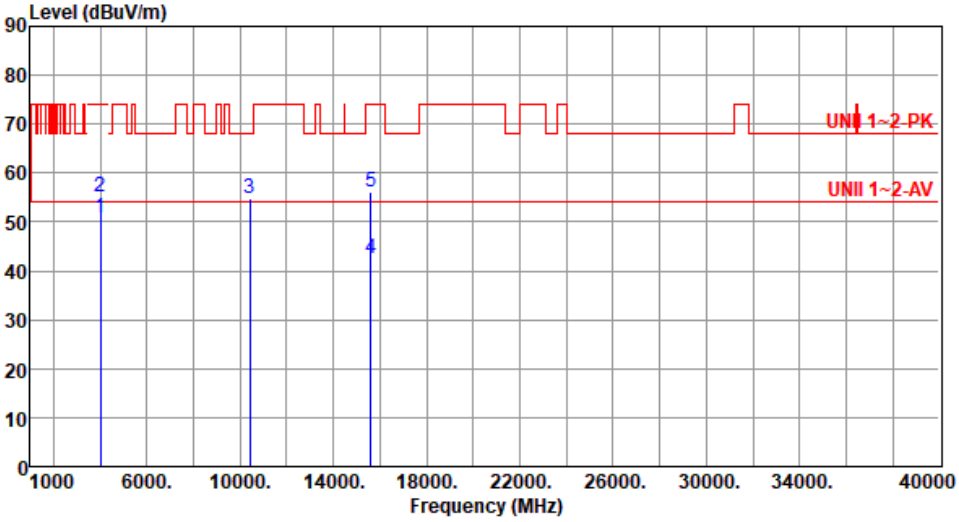


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.51	54.00	-9.49	46.75	-2.24	Average	304	207
2	4000.00	51.26	74.00	-22.74	53.50	-2.24	Peak	304	207
3	10360.00	56.09	68.20	-12.11	49.08	7.01	Peak	100	225
4	15540.00	43.46	54.00	-10.54	39.41	4.05	Average	100	184
5	15540.00	57.60	74.00	-16.40	53.55	4.05	Peak	100	184

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).

Modulation	11a	**Test Freq. (MHz)**	5200
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):25 Humidity(%):62

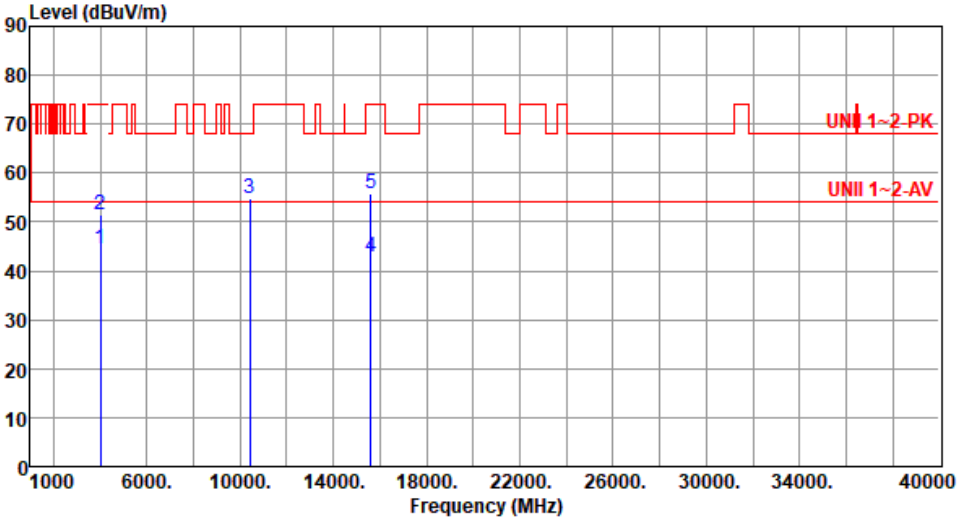


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.93	54.00	-3.07	53.17	-2.24	Average	286	134
2	4000.00	55.23	74.00	-18.77	57.47	-2.24	Peak	286	134
3	10400.00	54.65	68.20	-13.55	47.54	7.11	Peak	100	118
4	15600.00	42.51	54.00	-11.49	38.66	3.85	Average	100	231
5	15600.00	56.18	74.00	-17.82	52.33	3.85	Peak	100	231

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).

Modulation	11a	**Test Freq. (MHz)**	5200
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):25 Humidity(%):62

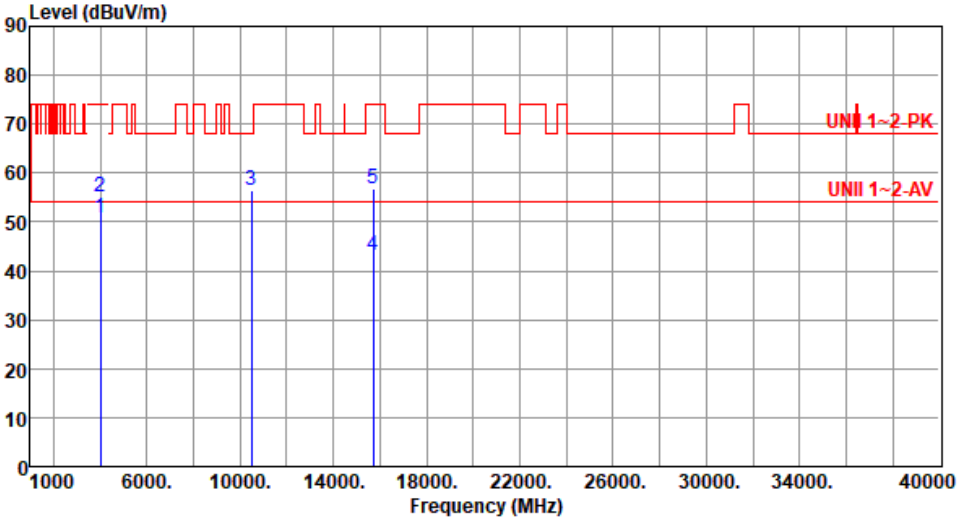


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.55	54.00	-9.45	46.79	-2.24	Average	316	203
2	4000.00	51.49	74.00	-22.51	53.73	-2.24	Peak	316	203
3	10400.00	54.92	68.20	-13.28	47.81	7.11	Peak	100	156
4	15600.00	42.77	54.00	-11.23	38.92	3.85	Average	100	156
5	15600.00	55.83	74.00	-18.17	51.98	3.85	Peak	100	156

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).

Modulation	11a	**Test Freq. (MHz)**	5240
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

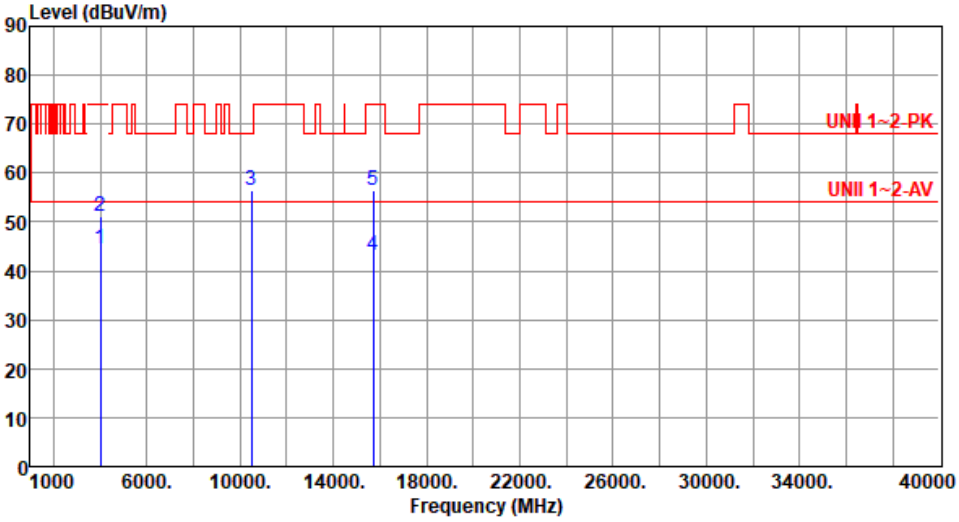


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.84	54.00	-3.16	53.08	-2.24	Average	288	135
2	4000.00	55.25	74.00	-18.75	57.49	-2.24	Peak	288	135
3	10480.00	56.35	68.20	-11.85	49.18	7.17	Peak	100	210
4	15720.00	43.25	54.00	-10.75	39.42	3.83	Average	100	178
5	15720.00	56.85	74.00	-17.15	53.02	3.83	Peak	100	178

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).

Modulation	11a	**Test Freq. (MHz)**	5240
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

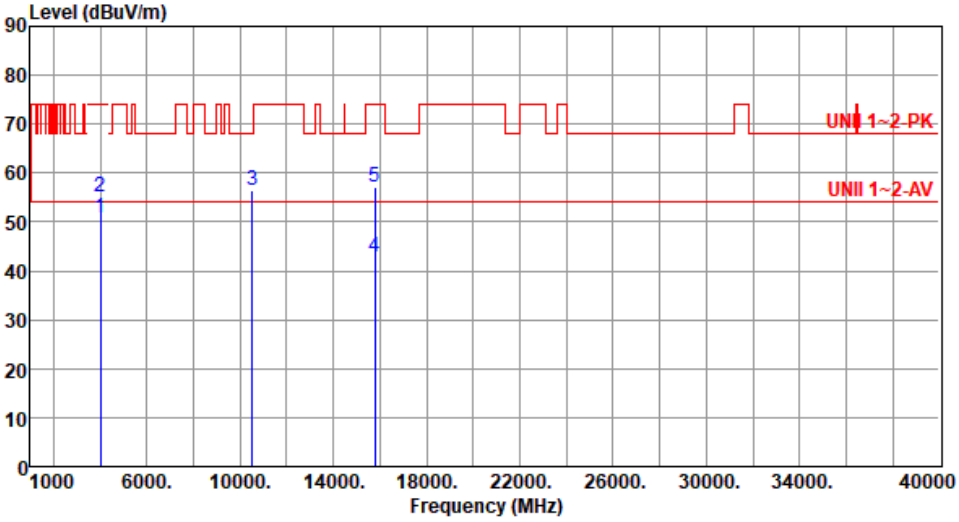


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.58	54.00	-9.42	46.82	-2.24	Average	302	206
2	4000.00	51.19	74.00	-22.81	53.43	-2.24	Peak	302	206
3	10480.00	56.56	68.20	-11.64	49.39	7.17	Peak	100	226
4	15720.00	43.14	54.00	-10.86	39.31	3.83	Average	100	176
5	15720.00	56.50	74.00	-17.50	52.67	3.83	Peak	100	176

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).

Modulation	11a	**Test Freq. (MHz)**	5260
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

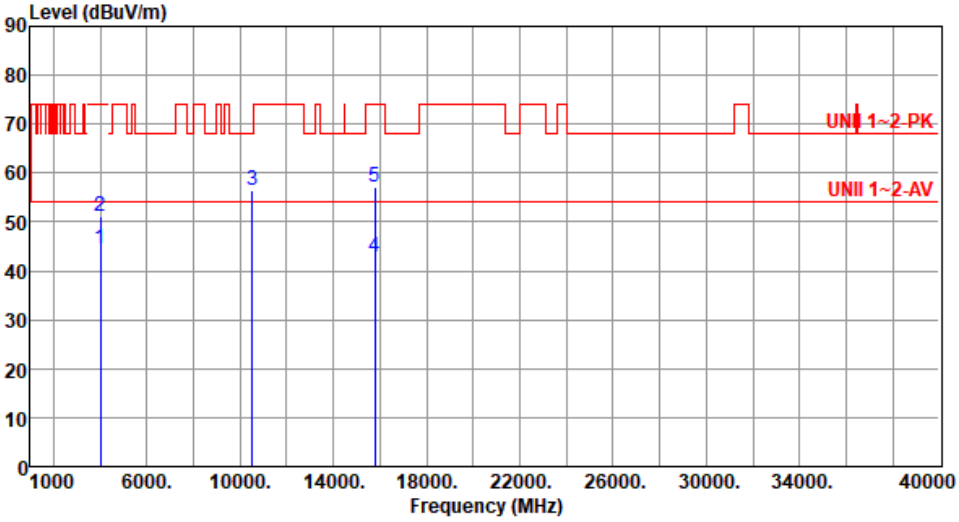


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.82	54.00	-3.18	53.06	-2.24	Average	288	133
2	4000.00	55.15	74.00	-18.85	57.39	-2.24	Peak	288	133
3	10520.00	56.36	68.20	-11.84	49.17	7.19	Peak	100	141
4	15780.00	42.90	54.00	-11.10	39.03	3.87	Average	100	105
5	15780.00	57.01	74.00	-16.99	53.14	3.87	Peak	100	105

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).

Modulation	11a	**Test Freq. (MHz)**	5260
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

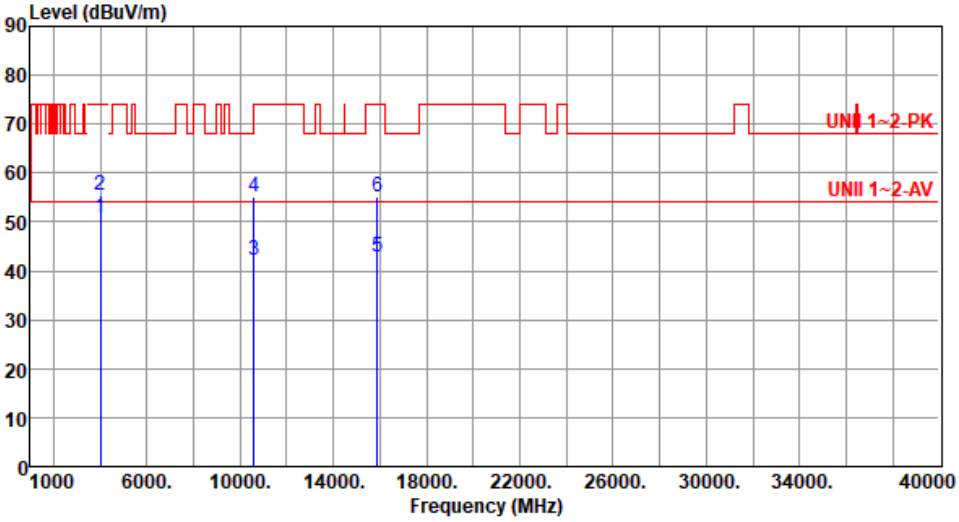


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.52	54.00	-9.48	46.76	-2.24	Average	305	208
2	4000.00	51.19	74.00	-22.81	53.43	-2.24	Peak	305	208
3	10520.00	56.61	68.20	-11.59	49.42	7.19	Peak	100	120
4	15780.00	42.86	54.00	-11.14	38.99	3.87	Average	100	193
5	15780.00	57.24	74.00	-16.76	53.37	3.87	Peak	100	193

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).

Modulation	11a	**Test Freq. (MHz)**	5300
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):25 Humidity(%):62

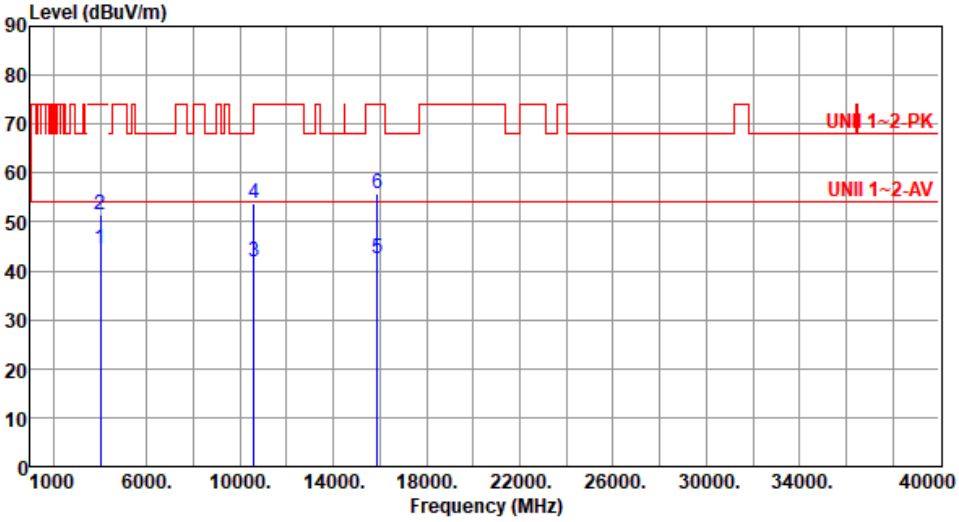


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.82	54.00	-3.18	53.06	-2.24	Average	291	129
2	4000.00	55.42	74.00	-18.58	57.66	-2.24	Peak	291	129
3	10600.00	42.08	54.00	-11.92	34.91	7.17	Average	100	148
4	10600.00	55.11	74.00	-18.89	47.94	7.17	Peak	100	148
5	15900.00	42.90	54.00	-11.10	38.85	4.05	Average	100	231
6	15900.00	55.26	74.00	-18.74	51.21	4.05	Peak	100	231

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).

Modulation	11a	**Test Freq. (MHz)**	5300
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):25 Humidity(%):62

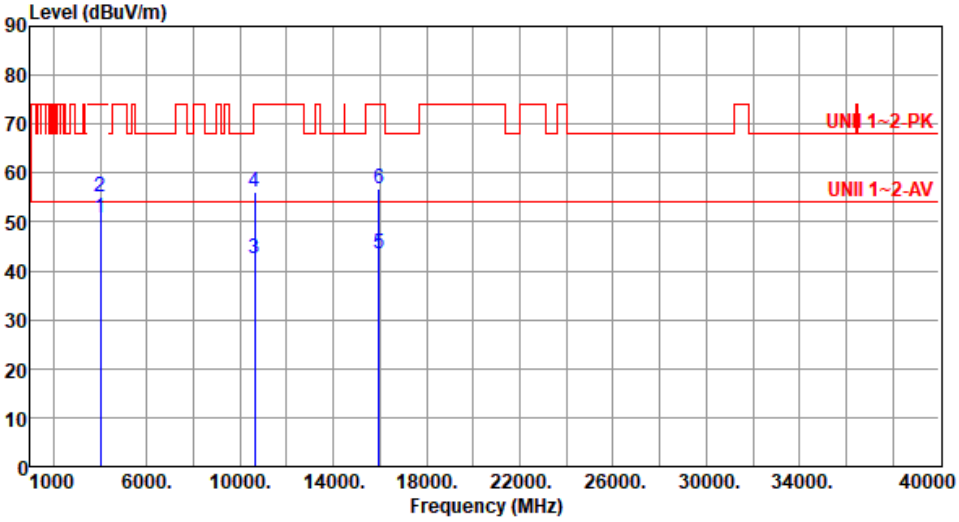


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.54	54.00	-9.46	46.78	-2.24	Average	311	205
2	4000.00	51.47	74.00	-22.53	53.71	-2.24	Peak	311	205
3	10600.00	41.76	54.00	-12.24	34.59	7.17	Average	100	221
4	10600.00	53.94	74.00	-20.06	46.77	7.17	Peak	100	221
5	15900.00	42.64	54.00	-11.36	38.59	4.05	Average	100	331
6	15900.00	55.78	74.00	-18.22	51.73	4.05	Peak	100	331

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).

Modulation	11a	**Test Freq. (MHz)**	5320
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

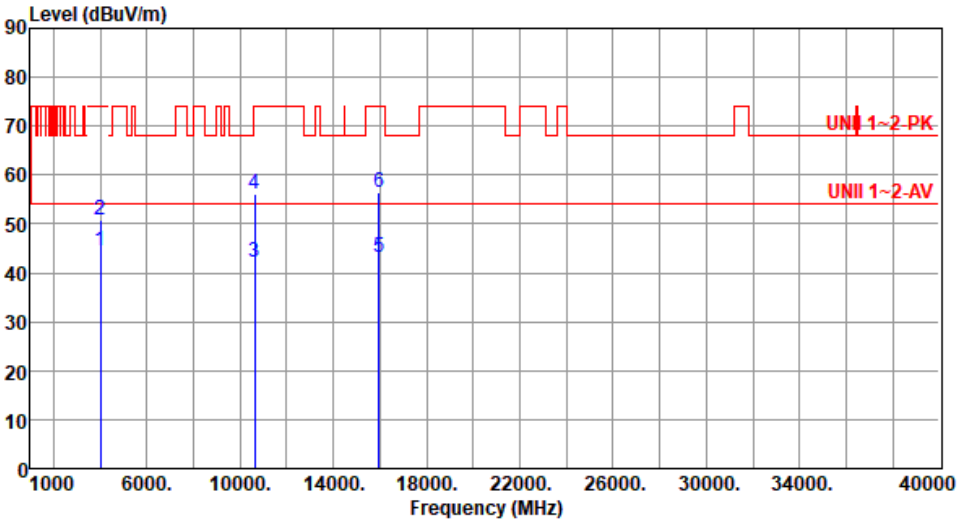


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.83	54.00	-3.17	53.07	-2.24	Average	286	133
2	4000.00	55.16	74.00	-18.84	57.40	-2.24	Peak	286	133
3	10640.00	42.36	54.00	-11.64	35.24	7.12	Average	100	115
4	10640.00	56.24	74.00	-17.76	49.12	7.12	Peak	100	115
5	15960.00	43.37	54.00	-10.63	39.34	4.03	Average	100	86
6	15960.00	56.64	74.00	-17.36	52.61	4.03	Peak	100	86

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).

Modulation	11a	**Test Freq. (MHz)**	5320
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

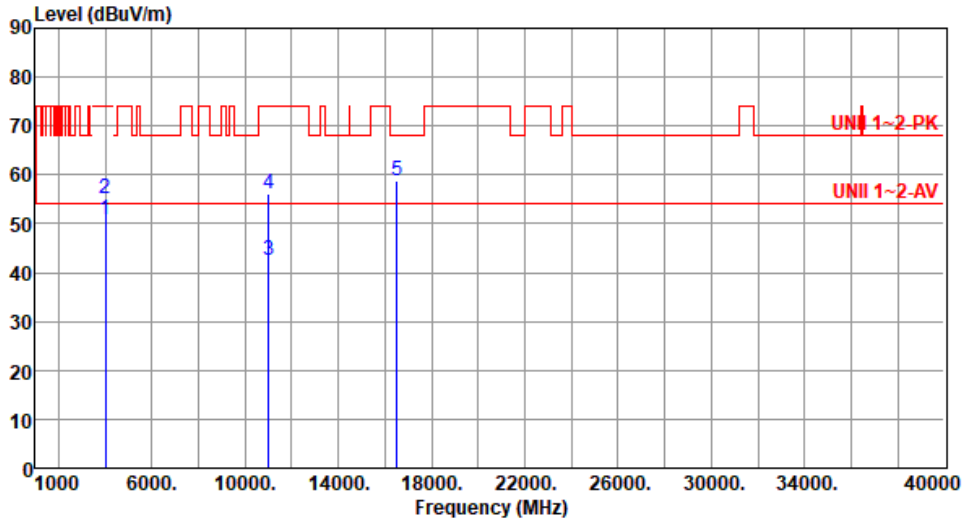


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.38	54.00	-9.62	46.62	-2.24	Average	305	208
2	4000.00	50.97	74.00	-23.03	53.21	-2.24	Peak	305	208
3	10640.00	42.21	54.00	-11.79	35.09	7.12	Average	100	170
4	10640.00	56.05	74.00	-17.95	48.93	7.12	Peak	100	170
5	15960.00	43.11	54.00	-10.89	39.08	4.03	Average	100	206
6	15960.00	56.45	74.00	-17.55	52.42	4.03	Peak	100	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).

Modulation	11a	**Test Freq. (MHz)**	5500
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

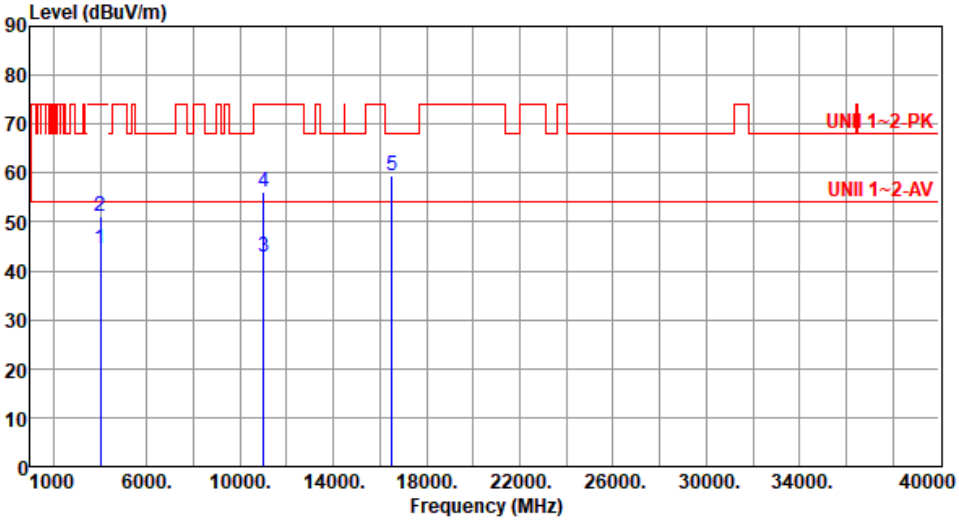


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.88	54.00	-3.12	53.12	-2.24	Average	288	134
2	4000.00	55.28	74.00	-18.72	57.52	-2.24	Peak	288	134
3	11000.00	42.64	54.00	-11.36	35.15	7.49	Average	100	156
4	11000.00	56.08	74.00	-17.92	48.59	7.49	Peak	100	156
5	16500.00	58.66	68.20	-9.54	52.67	5.99	Peak	100	122

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).

Modulation	11a	**Test Freq. (MHz)**	5500
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

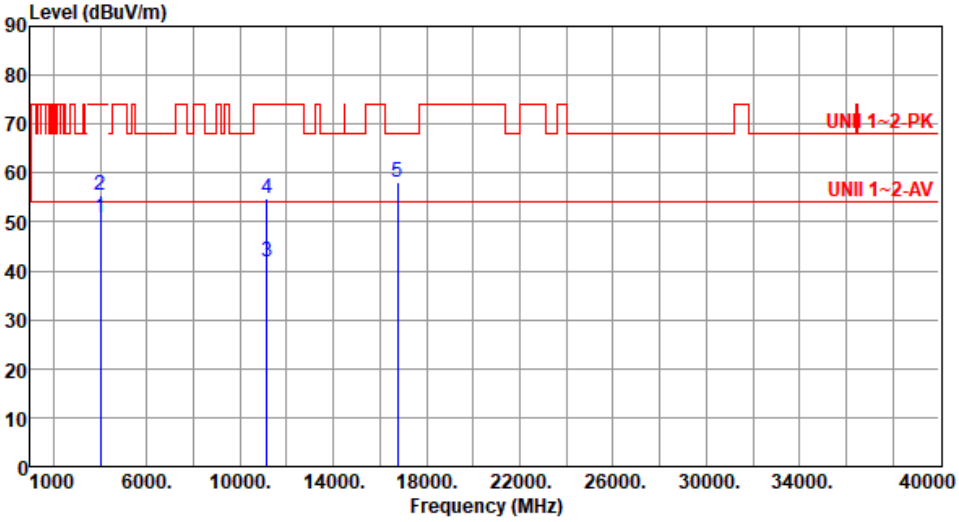


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.61	54.00	-9.39	46.85	-2.24	Average	305	203
2	4000.00	51.17	74.00	-22.83	53.41	-2.24	Peak	305	203
3	11000.00	42.68	54.00	-11.32	35.19	7.49	Average	100	166
4	11000.00	56.00	74.00	-18.00	48.51	7.49	Peak	100	166
5	16500.00	59.48	68.20	-8.72	53.49	5.99	Peak	100	218

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).

Modulation	11a	**Test Freq. (MHz)**	5580
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):25 Humidity(%):62

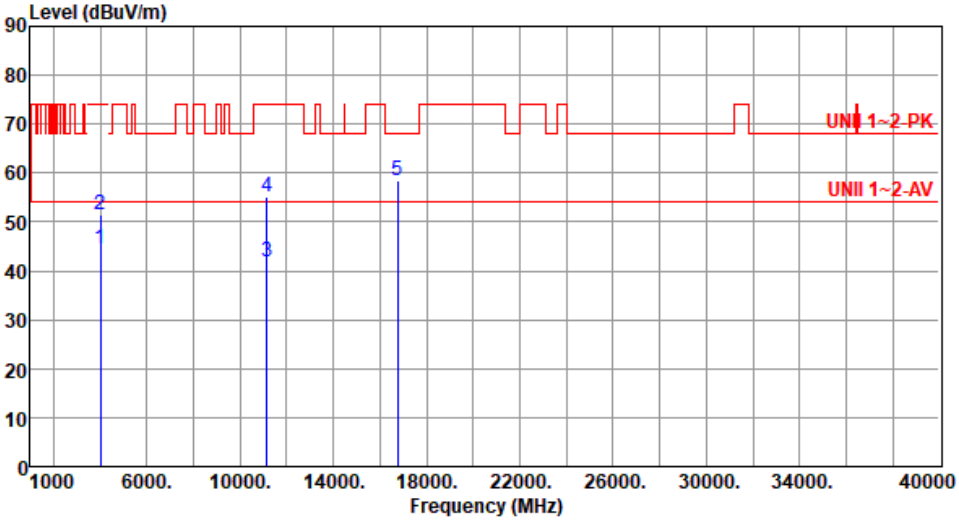


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.86	54.00	-3.14	53.10	-2.24	Average	283	138
2	4000.00	55.34	74.00	-18.66	57.58	-2.24	Peak	283	138
3	11160.00	41.75	54.00	-12.25	34.82	6.93	Average	100	118
4	11160.00	54.90	74.00	-19.10	47.97	6.93	Peak	100	118
5	16740.00	58.20	68.20	-10.00	51.85	6.35	Peak	100	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).

Modulation	11a	**Test Freq. (MHz)**	5580
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):25 Humidity(%):62

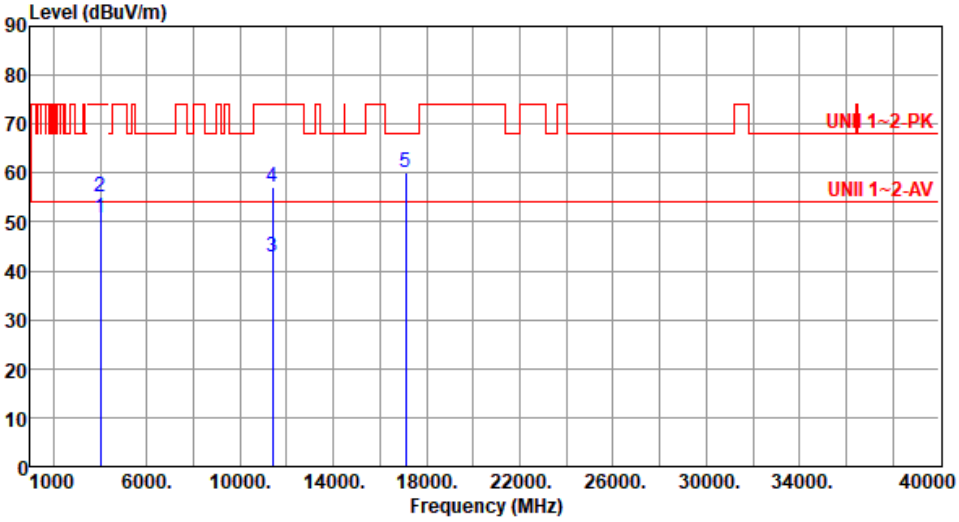


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.59	54.00	-9.41	46.83	-2.24	Average	308	211
2	4000.00	51.49	74.00	-22.51	53.73	-2.24	Peak	308	211
3	11160.00	41.82	54.00	-12.18	34.89	6.93	Average	100	218
4	11160.00	54.99	74.00	-19.01	48.06	6.93	Peak	100	218
5	16740.00	58.32	68.20	-9.88	51.97	6.35	Peak	100	304

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).

Modulation	11a	**Test Freq. (MHz)**	5700
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

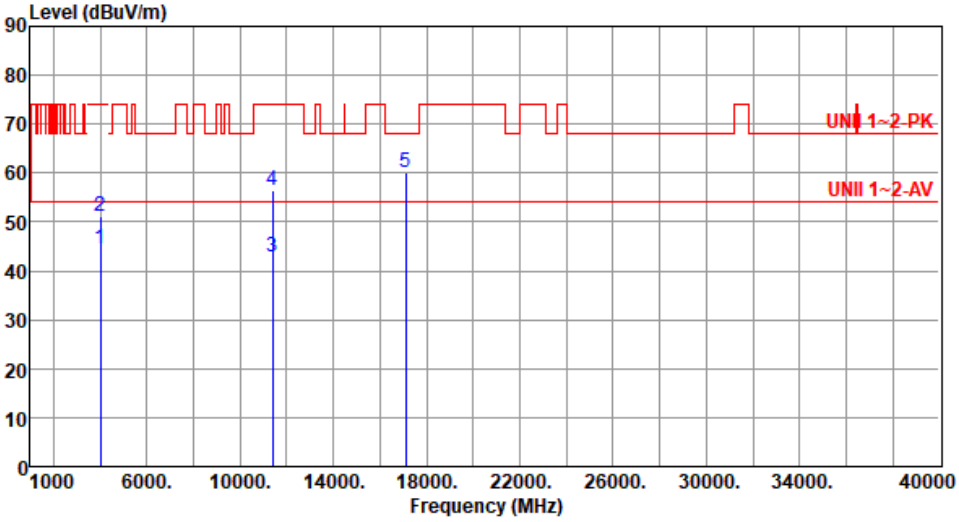


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.91	54.00	-3.09	53.15	-2.24	Average	286	133
2	4000.00	55.29	74.00	-18.71	57.53	-2.24	Peak	286	133
3	11400.00	42.91	54.00	-11.09	35.89	7.02	Average	100	138
4	11400.00	57.17	74.00	-16.83	50.15	7.02	Peak	100	138
5	17100.00	60.21	68.20	-7.99	54.26	5.95	Peak	100	101

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).

Modulation	11a	**Test Freq. (MHz)**	5700
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

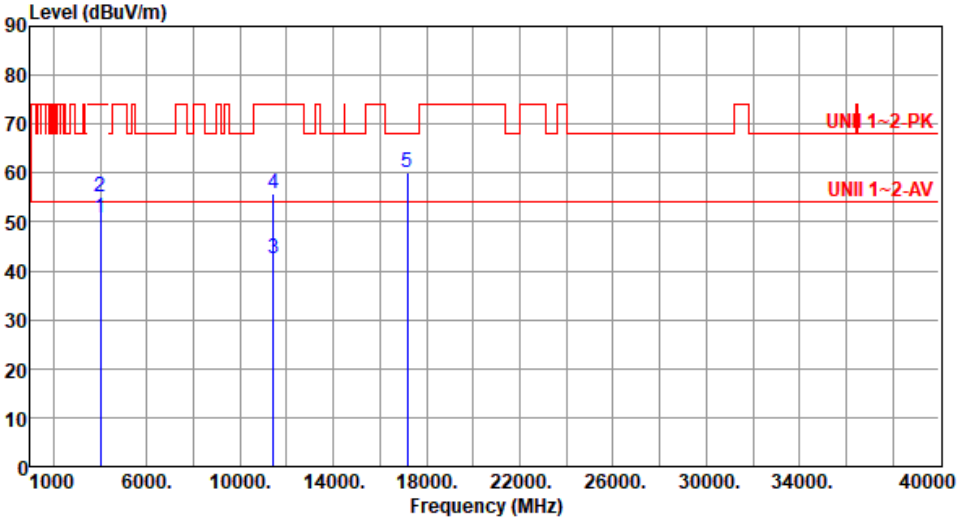


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.56	54.00	-9.44	46.80	-2.24	Average	305	204
2	4000.00	51.29	74.00	-22.71	53.53	-2.24	Peak	305	204
3	11400.00	42.75	54.00	-11.25	35.73	7.02	Average	100	187
4	11400.00	56.41	74.00	-17.59	49.39	7.02	Peak	100	187
5	17100.00	60.17	68.20	-8.03	54.22	5.95	Peak	100	142

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).

Modulation	11a	**Test Freq. (MHz)**	5720
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

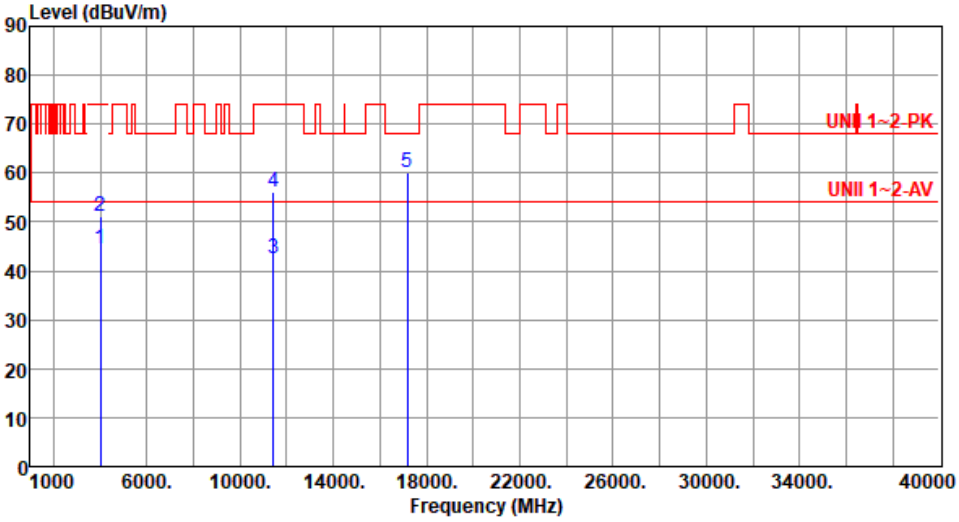


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.83	54.00	-3.17	53.07	-2.24	Average	286	133
2	4000.00	55.12	74.00	-18.88	57.36	-2.24	Peak	286	133
3	11440.00	42.65	54.00	-11.35	35.57	7.08	Average	100	146
4	11440.00	55.85	74.00	-18.15	48.77	7.08	Peak	100	146
5	17160.00	60.14	68.20	-8.06	54.08	6.06	Peak	100	172

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).

Modulation	11a	**Test Freq. (MHz)**	5720
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

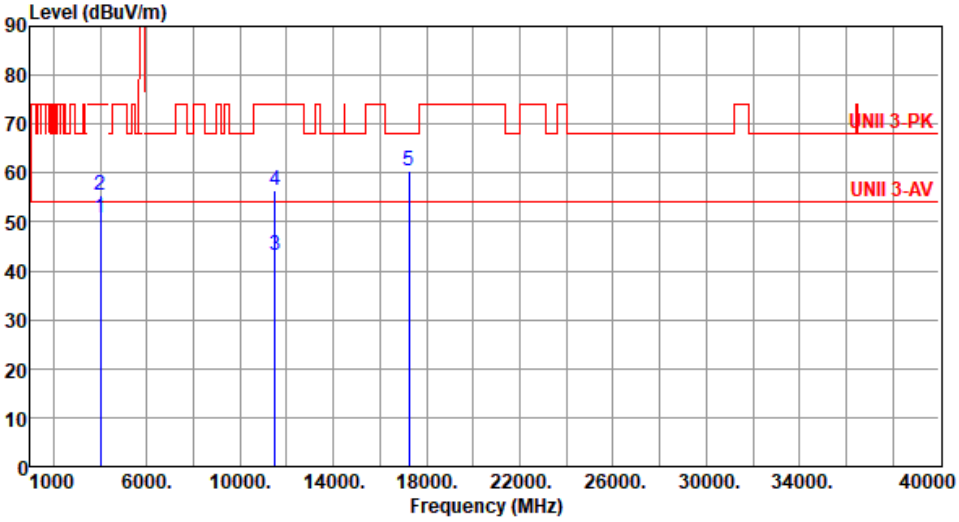


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.55	54.00	-9.45	46.79	-2.24	Average	305	203
2	4000.00	51.23	74.00	-22.77	53.47	-2.24	Peak	305	203
3	11440.00	42.43	54.00	-11.57	35.35	7.08	Average	100	197
4	11440.00	56.22	74.00	-17.78	49.14	7.08	Peak	100	197
5	17160.00	60.11	68.20	-8.09	54.05	6.06	Peak	100	142

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).

Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

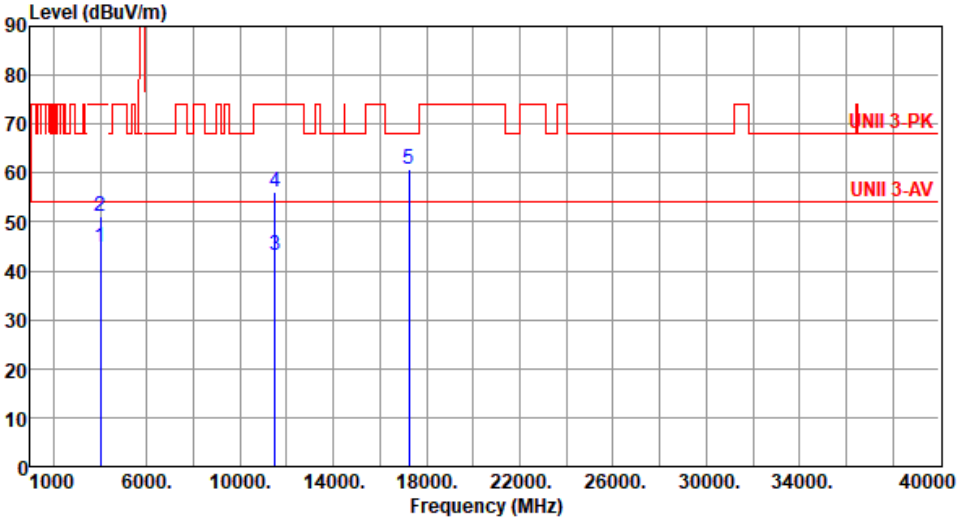


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.92	54.00	-3.08	53.16	-2.24	Average	288	133
2	4000.00	55.37	74.00	-18.63	57.61	-2.24	Peak	288	133
3	11490.00	43.21	54.00	-10.79	36.04	7.17	Average	100	187
4	11490.00	56.52	74.00	-17.48	49.35	7.17	Peak	100	187
5	17235.00	60.47	68.20	-7.73	54.39	6.08	Peak	100	140

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).

Modulation	11a	**Test Freq. (MHz)**	5745
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

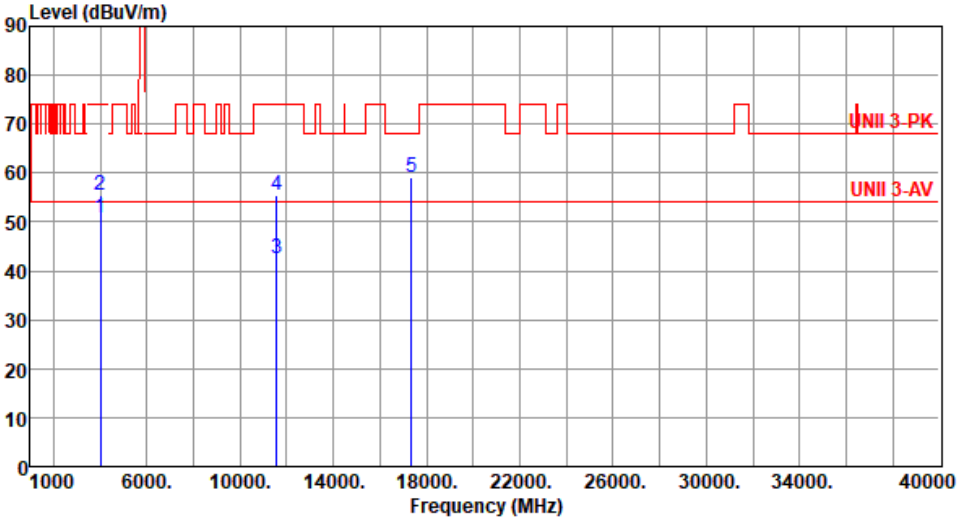


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.68	54.00	-9.32	46.92	-2.24	Average	305	207
2	4000.00	51.29	74.00	-22.71	53.53	-2.24	Peak	305	207
3	11490.00	43.08	54.00	-10.92	35.91	7.17	Average	100	113
4	11490.00	56.19	74.00	-17.81	49.02	7.17	Peak	100	113
5	17235.00	60.76	68.20	-7.44	54.68	6.08	Peak	100	162

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).

Modulation	11a	**Test Freq. (MHz)**	5785
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):25 Humidity(%):62

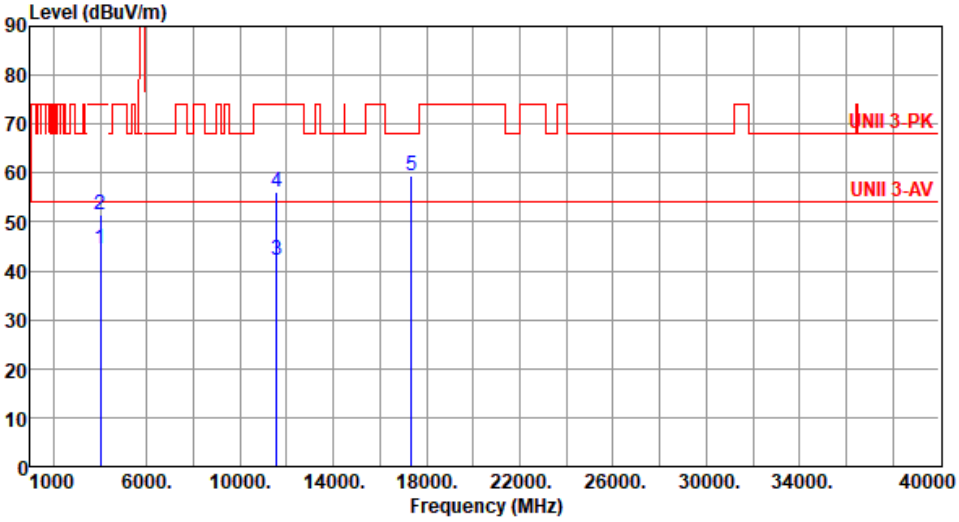


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.89	54.00	-3.11	53.13	-2.24	Average	286	134
2	4000.00	55.49	74.00	-18.51	57.73	-2.24	Peak	286	134
3	11570.00	42.52	54.00	-11.48	35.57	6.95	Average	100	117
4	11570.00	55.35	74.00	-18.65	48.40	6.95	Peak	100	117
5	17355.00	59.10	68.20	-9.10	52.88	6.22	Peak	100	105

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).

Modulation	11a	**Test Freq. (MHz)**	5785
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):25 Humidity(%):62

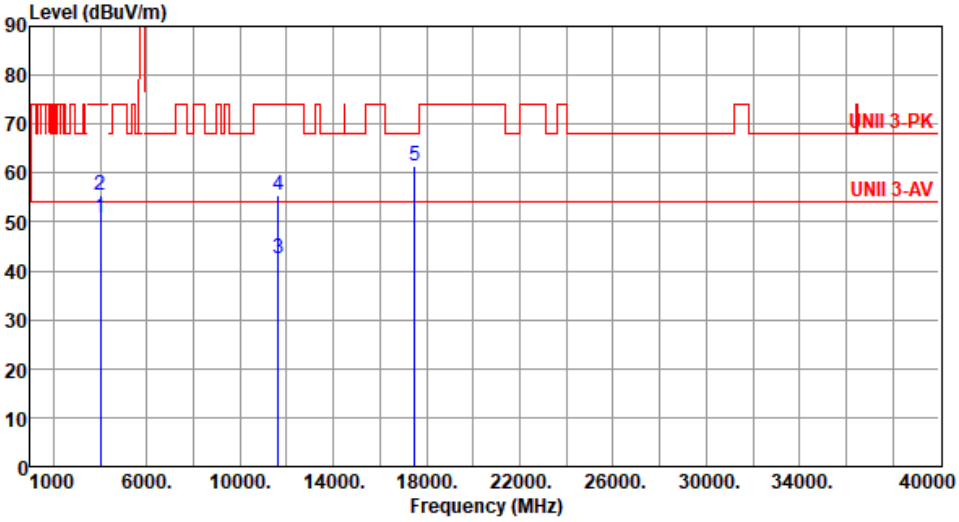


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.54	54.00	-9.46	46.78	-2.24	Average	311	205
2	4000.00	51.57	74.00	-22.43	53.81	-2.24	Peak	311	205
3	11570.00	42.21	54.00	-11.79	35.26	6.95	Average	100	104
4	11570.00	56.16	74.00	-17.84	49.21	6.95	Peak	100	104
5	17355.00	59.30	68.20	-8.90	53.08	6.22	Peak	100	278

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).

Modulation	11a	**Test Freq. (MHz)**	5825
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

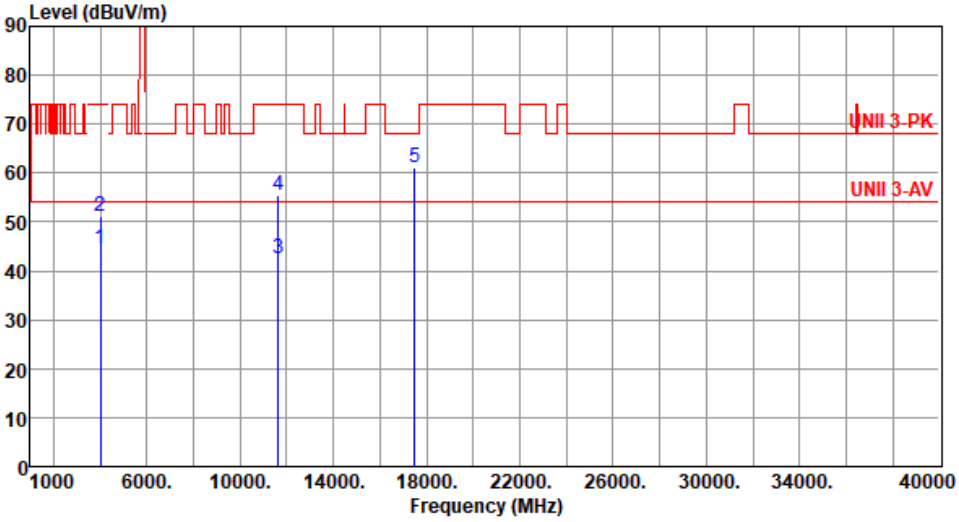


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.89	54.00	-3.11	53.13	-2.24	Average	288	131
2	4000.00	55.31	74.00	-18.69	57.55	-2.24	Peak	288	131
3	11650.00	42.48	54.00	-11.52	35.81	6.67	Average	100	169
4	11650.00	55.34	74.00	-18.66	48.67	6.67	Peak	100	169
5	17475.00	61.37	68.20	-6.83	54.79	6.58	Peak	100	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).

Modulation	11a	**Test Freq. (MHz)**	5825
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62



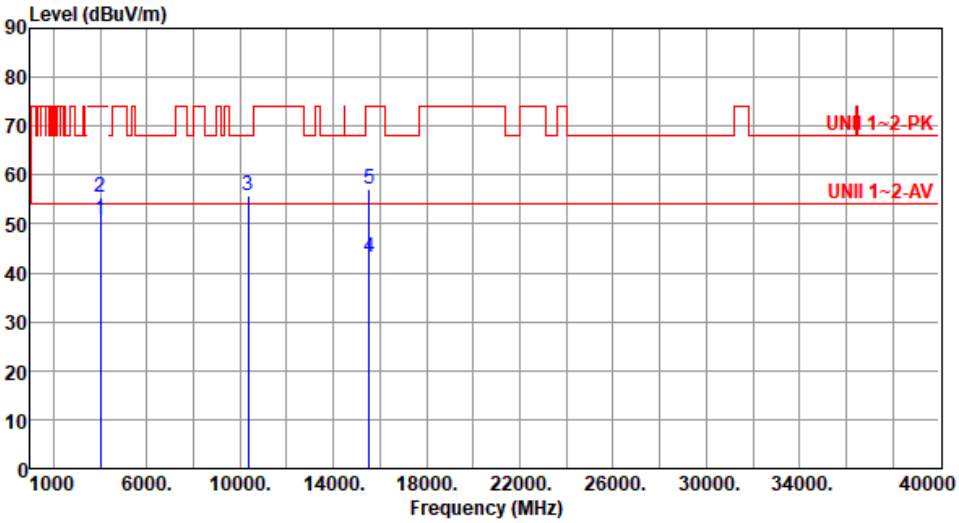
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.37	54.00	-9.63	46.61	-2.24	Average	304	206
2	4000.00	51.22	74.00	-22.78	53.46	-2.24	Peak	304	206
3	11650.00	42.43	54.00	-11.57	35.76	6.67	Average	100	152
4	11650.00	55.44	74.00	-18.56	48.77	6.67	Peak	100	152
5	17475.00	60.96	68.20	-7.24	54.38	6.58	Peak	100	173

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).

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

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5180
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

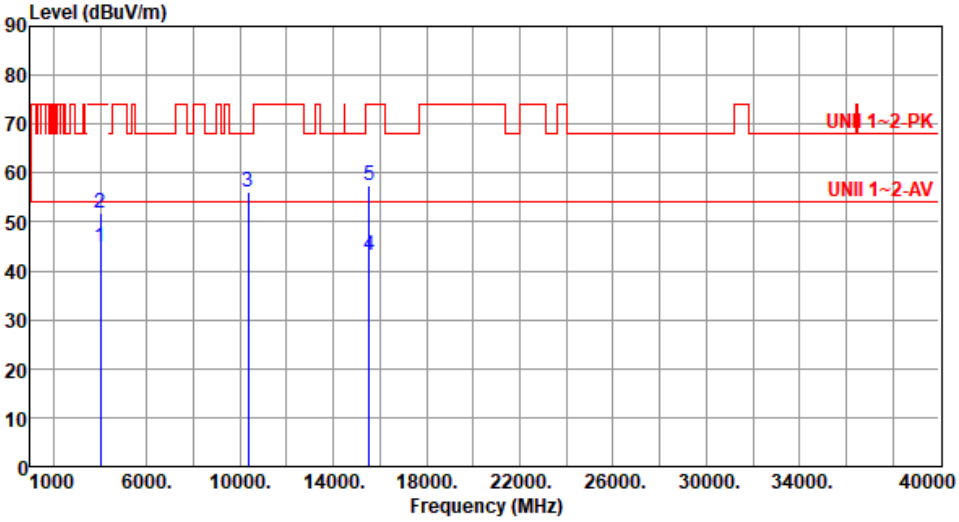


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.93	54.00	-3.07	53.17	-2.24	Average	288	132
2	4000.00	55.37	74.00	-18.63	57.61	-2.24	Peak	288	132
3	10360.00	55.76	68.20	-12.44	48.75	7.01	Peak	100	121
4	15540.00	43.21	54.00	-10.79	39.16	4.05	Average	100	172
5	15540.00	57.15	74.00	-16.85	53.10	4.05	Peak	100	172

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5180
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

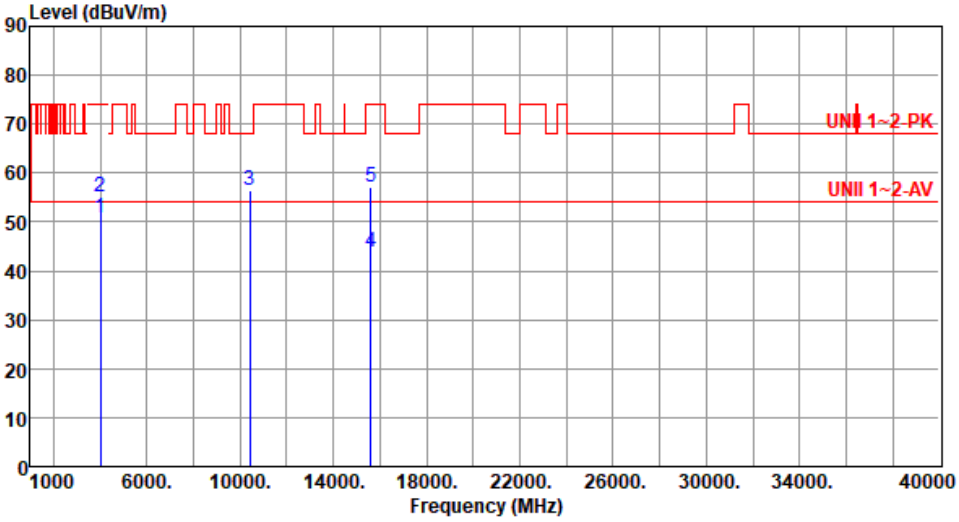


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.76	54.00	-9.24	47.00	-2.24	Average	302	210
2	4000.00	51.79	74.00	-22.21	54.03	-2.24	Peak	302	210
3	10360.00	56.23	68.20	-11.97	49.22	7.01	Peak	100	227
4	15540.00	43.23	54.00	-10.77	39.18	4.05	Average	100	179
5	15540.00	57.36	74.00	-16.64	53.31	4.05	Peak	100	179

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5200
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

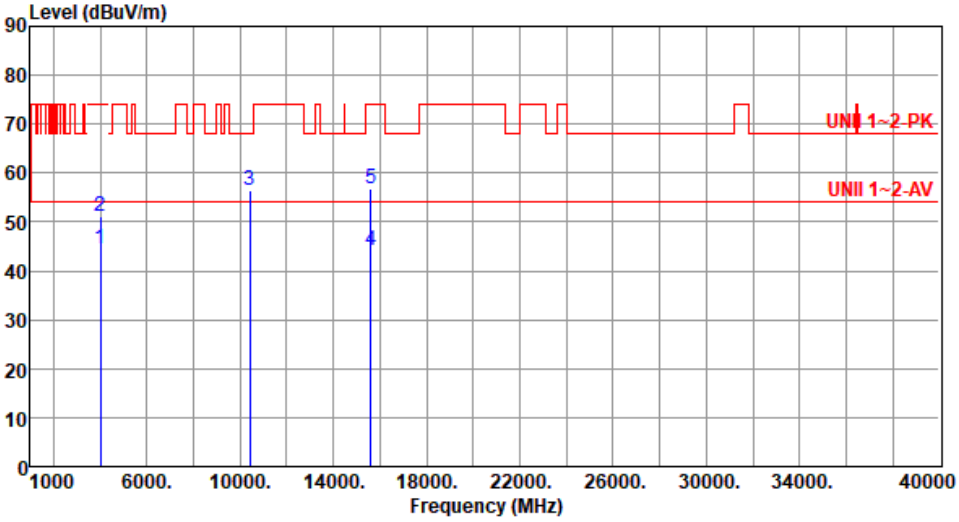


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.86	54.00	-3.14	53.10	-2.24	Average	287	130
2	4000.00	55.23	74.00	-18.77	57.47	-2.24	Peak	287	130
3	10400.00	56.31	68.20	-11.89	49.20	7.11	Peak	100	182
4	15600.00	43.98	54.00	-10.02	40.13	3.85	Average	100	105
5	15600.00	57.00	74.00	-17.00	53.15	3.85	Peak	100	105

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5200
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

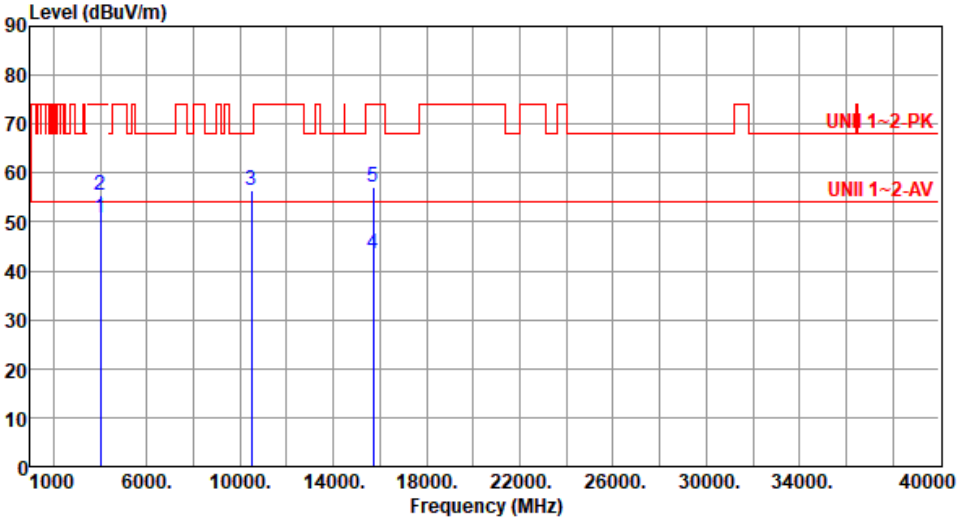


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.58	54.00	-9.42	46.82	-2.24	Average	306	204
2	4000.00	51.27	74.00	-22.73	53.51	-2.24	Peak	306	204
3	10400.00	56.59	68.20	-11.61	49.48	7.11	Peak	100	120
4	15600.00	44.13	54.00	-9.87	40.28	3.85	Average	100	172
5	15600.00	56.90	74.00	-17.10	53.05	3.85	Peak	100	172

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5240
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

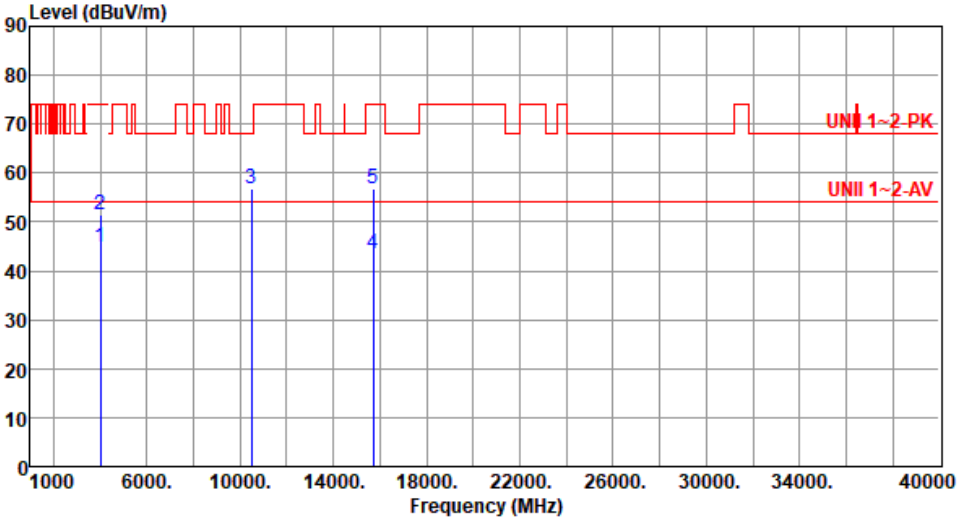


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.86	54.00	-3.14	53.10	-2.24	Average	286	132
2	4000.00	55.47	74.00	-18.53	57.71	-2.24	Peak	286	132
3	10480.00	56.49	68.20	-11.71	49.32	7.17	Peak	100	205
4	15720.00	43.44	54.00	-10.56	39.61	3.83	Average	100	174
5	15720.00	56.99	74.00	-17.01	53.16	3.83	Peak	100	174

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5240
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

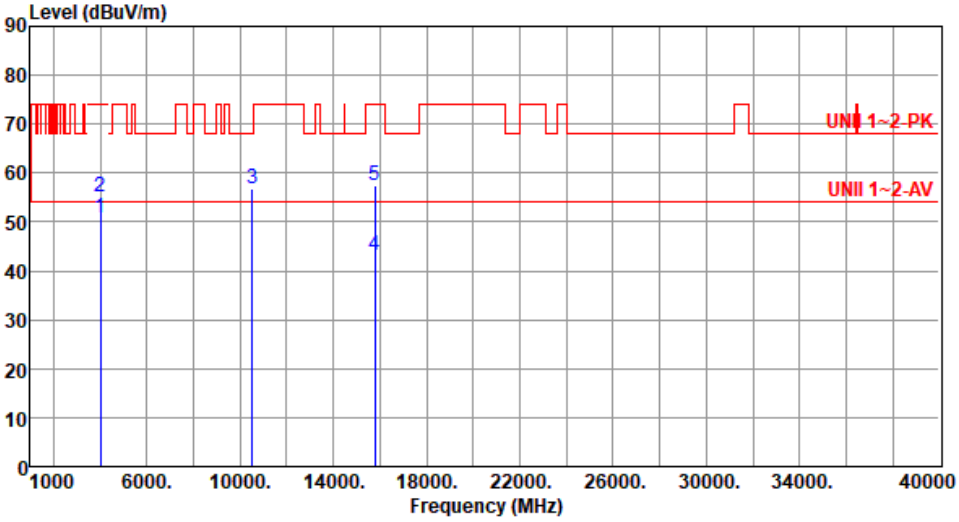


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.82	54.00	-9.18	47.06	-2.24	Average	303	207
2	4000.00	51.48	74.00	-22.52	53.72	-2.24	Peak	303	207
3	10480.00	56.79	68.20	-11.41	49.62	7.17	Peak	100	222
4	15720.00	43.45	54.00	-10.55	39.62	3.83	Average	100	185
5	15720.00	56.74	74.00	-17.26	52.91	3.83	Peak	100	185

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

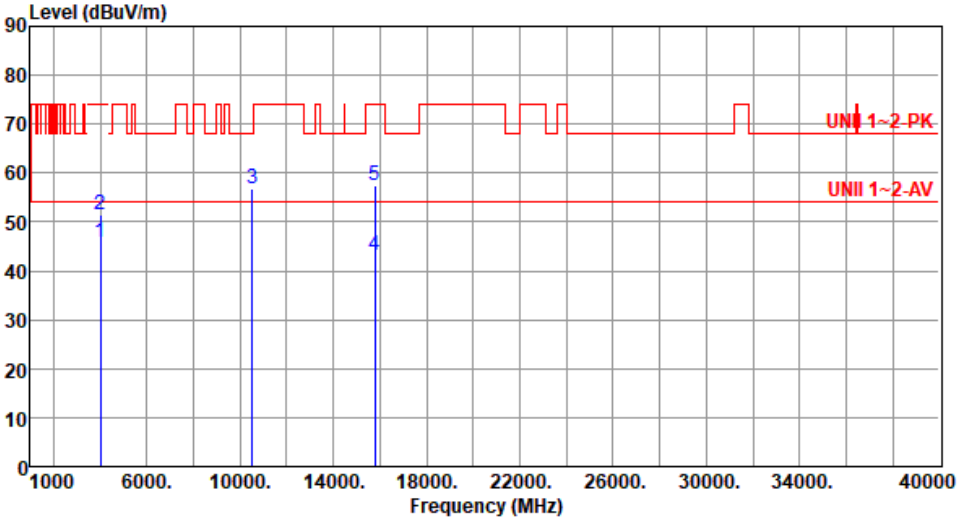


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.93	54.00	-3.07	53.17	-2.24	Average	289	134
2	4000.00	55.25	74.00	-18.75	57.49	-2.24	Peak	289	134
3	10520.00	56.74	68.20	-11.46	49.55	7.19	Peak	100	148
4	15780.00	43.11	54.00	-10.89	39.24	3.87	Average	100	113
5	15780.00	57.29	74.00	-16.71	53.42	3.87	Peak	100	113

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

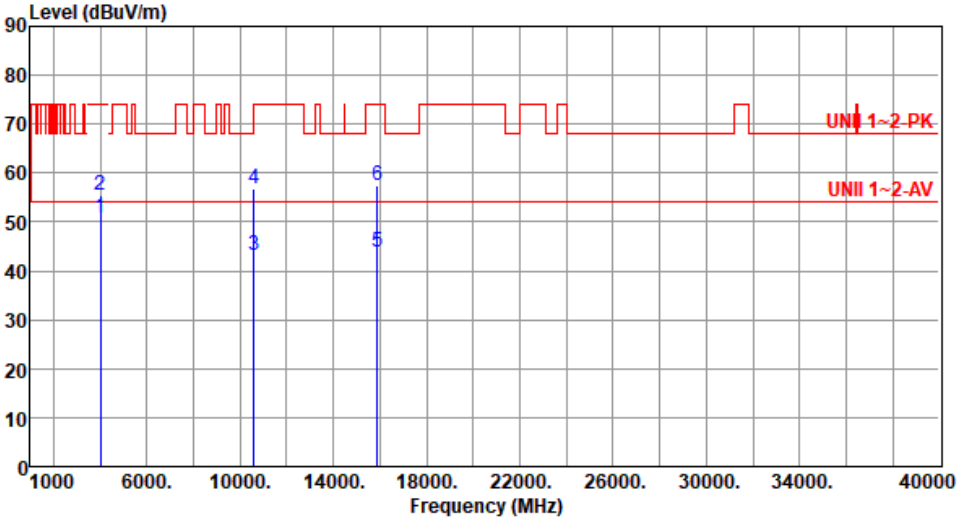


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	45.88	54.00	-8.12	48.12	-2.24	Average	305	202
2	4000.00	51.43	74.00	-22.57	53.67	-2.24	Peak	305	202
3	10520.00	56.83	68.20	-11.37	49.64	7.19	Peak	100	123
4	15780.00	43.16	54.00	-10.84	39.29	3.87	Average	100	186
5	15780.00	57.46	74.00	-16.54	53.59	3.87	Peak	100	186

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

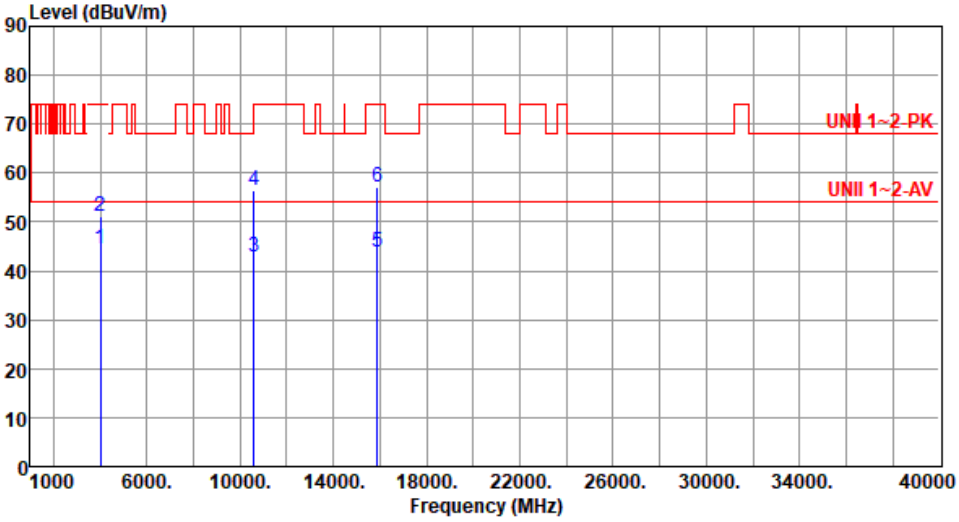


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.95	54.00	-3.05	53.19	-2.24	Average	288	135
2	4000.00	55.39	74.00	-18.61	57.63	-2.24	Peak	288	135
3	10600.00	43.14	54.00	-10.86	35.97	7.17	Average	100	175
4	10600.00	56.79	74.00	-17.21	49.62	7.17	Peak	100	175
5	15900.00	43.98	54.00	-10.02	39.93	4.05	Average	100	112
6	15900.00	57.41	74.00	-16.59	53.36	4.05	Peak	100	112

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

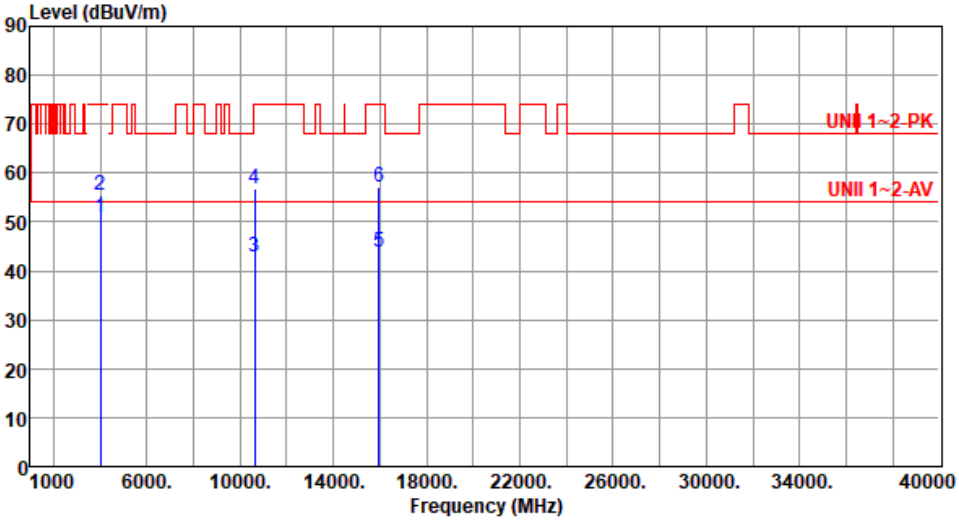


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.59	54.00	-9.41	46.83	-2.24	Average	302	206
2	4000.00	51.16	74.00	-22.84	53.40	-2.24	Peak	302	206
3	10600.00	42.92	54.00	-11.08	35.75	7.17	Average	100	136
4	10600.00	56.37	74.00	-17.63	49.20	7.17	Peak	100	136
5	15900.00	43.96	54.00	-10.04	39.91	4.05	Average	100	188
6	15900.00	57.22	74.00	-16.78	53.17	4.05	Peak	100	188

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

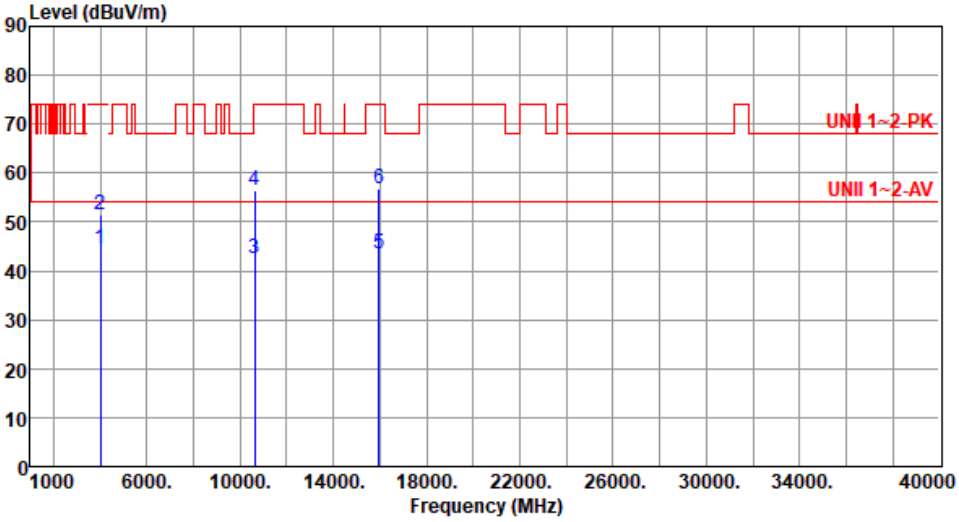


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.87	54.00	-3.13	53.11	-2.24	Average	284	133
2	4000.00	55.39	74.00	-18.61	57.63	-2.24	Peak	284	133
3	10640.00	42.79	54.00	-11.21	35.67	7.12	Average	100	126
4	10640.00	56.69	74.00	-17.31	49.57	7.12	Peak	100	126
5	15960.00	43.80	54.00	-10.20	39.77	4.03	Average	100	94
6	15960.00	57.01	74.00	-16.99	52.98	4.03	Peak	100	94

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

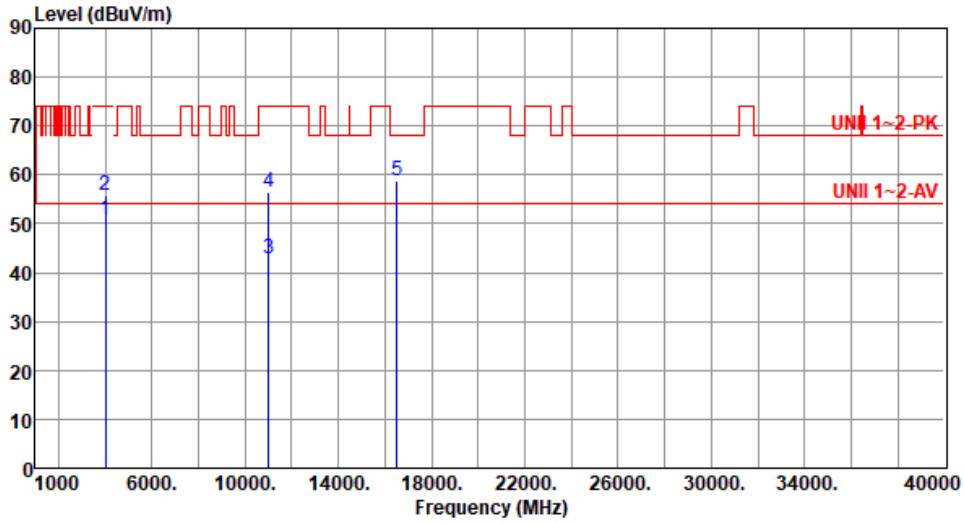


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.63	54.00	-9.37	46.87	-2.24	Average	304	205
2	4000.00	51.34	74.00	-22.66	53.58	-2.24	Peak	304	205
3	10640.00	42.41	54.00	-11.59	35.29	7.12	Average	100	177
4	10640.00	56.39	74.00	-17.61	49.27	7.12	Peak	100	177
5	15960.00	43.37	54.00	-10.63	39.34	4.03	Average	100	215
6	15960.00	56.86	74.00	-17.14	52.83	4.03	Peak	100	215

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

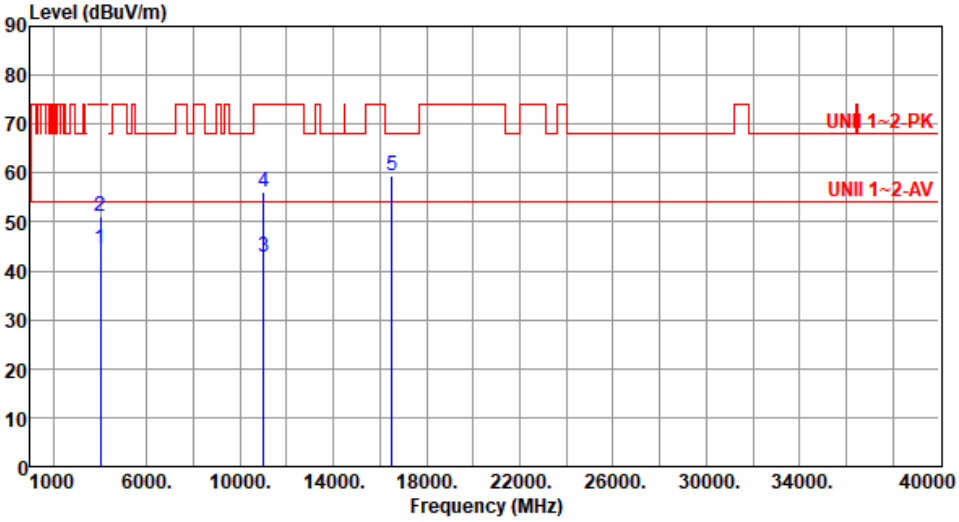


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.96	54.00	-3.04	53.20	-2.24	Average	284	133
2	4000.00	55.69	74.00	-18.31	57.93	-2.24	Peak	284	133
3	11000.00	42.82	54.00	-11.18	35.33	7.49	Average	100	155
4	11000.00	56.43	74.00	-17.57	48.94	7.49	Peak	100	155
5	16500.00	58.83	68.20	-9.37	52.84	5.99	Peak	100	120

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

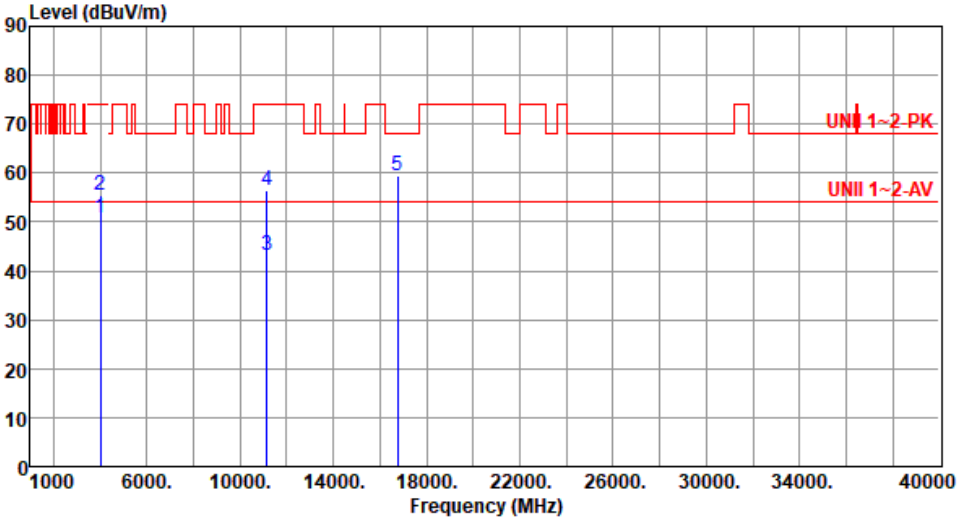


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.61	54.00	-9.39	46.85	-2.24	Average	305	203
2	4000.00	51.17	74.00	-22.83	53.41	-2.24	Peak	305	203
3	11000.00	42.68	54.00	-11.32	35.19	7.49	Average	100	166
4	11000.00	56.00	74.00	-18.00	48.51	7.49	Peak	100	166
5	16500.00	59.48	68.20	-8.72	53.49	5.99	Peak	100	218

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

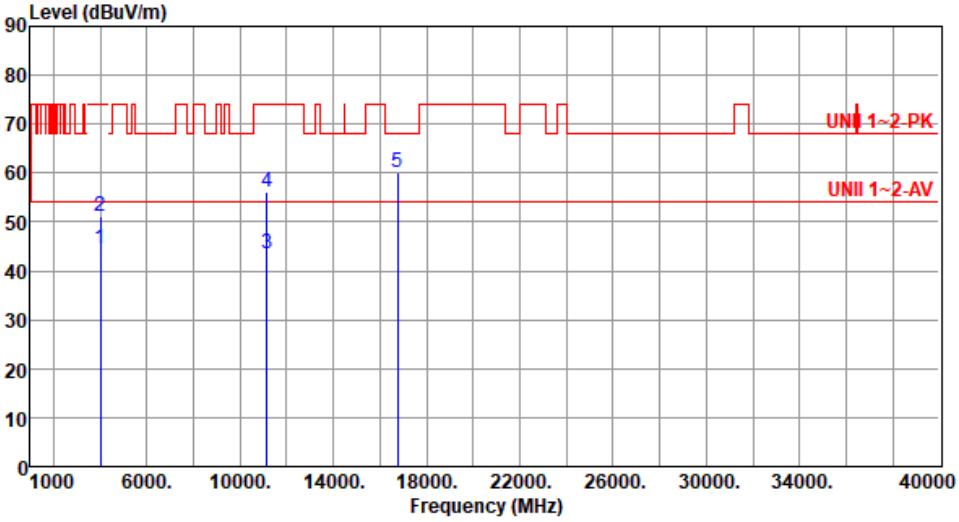


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.83	54.00	-3.17	53.07	-2.24	Average	289	132
2	4000.00	55.39	74.00	-18.61	57.63	-2.24	Peak	289	132
3	11160.00	43.23	54.00	-10.77	36.30	6.93	Average	100	158
4	11160.00	56.48	74.00	-17.52	49.55	6.93	Peak	100	158
5	16740.00	59.56	68.20	-8.64	53.21	6.35	Peak	100	101

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

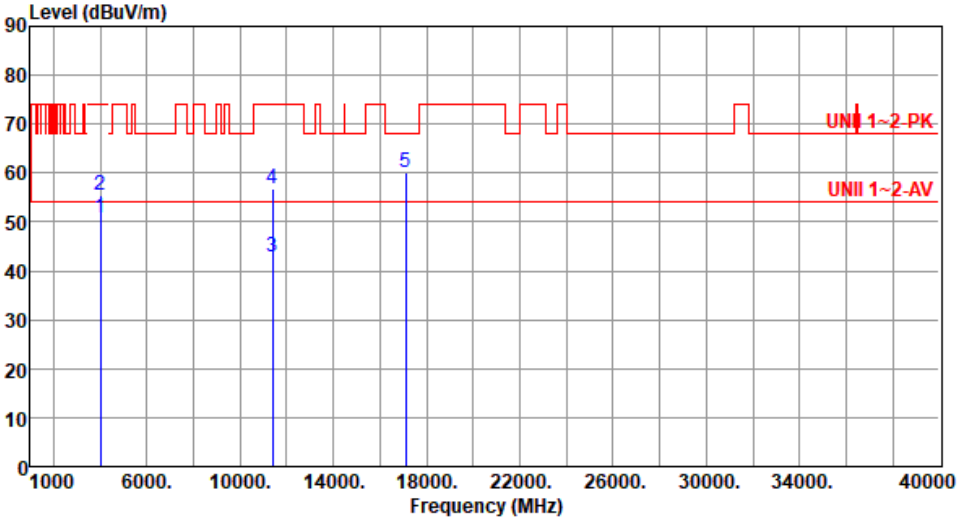


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.35	54.00	-9.65	46.59	-2.24	Average	305	207
2	4000.00	51.22	74.00	-22.78	53.46	-2.24	Peak	305	207
3	11160.00	43.49	54.00	-10.51	36.56	6.93	Average	100	116
4	11160.00	56.21	74.00	-17.79	49.28	6.93	Peak	100	116
5	16740.00	60.18	68.20	-8.02	53.83	6.35	Peak	100	76

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

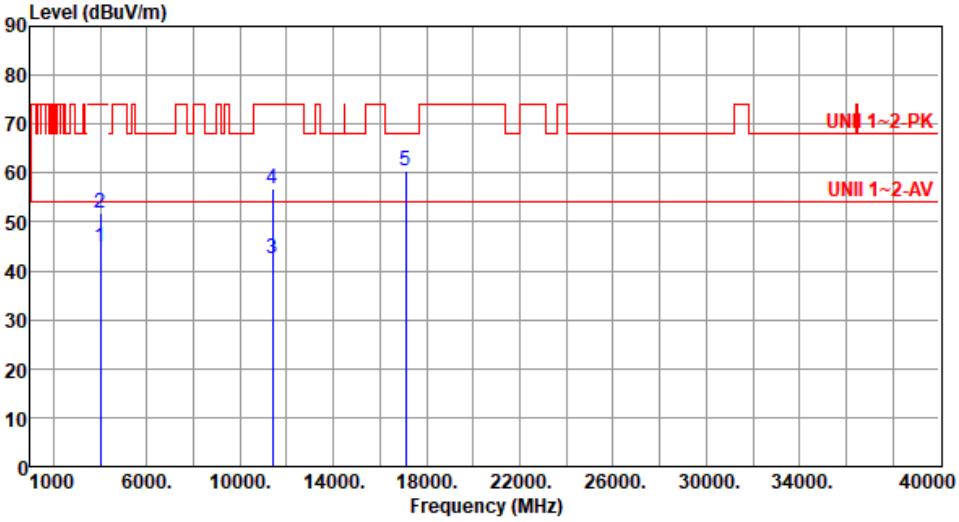


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.83	54.00	-3.17	53.07	-2.24	Average	288	137
2	4000.00	55.58	74.00	-18.42	57.82	-2.24	Peak	288	137
3	11400.00	42.75	54.00	-11.25	35.73	7.02	Average	100	134
4	11400.00	56.94	74.00	-17.06	49.92	7.02	Peak	100	134
5	17100.00	60.07	68.20	-8.13	54.12	5.95	Peak	100	112

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

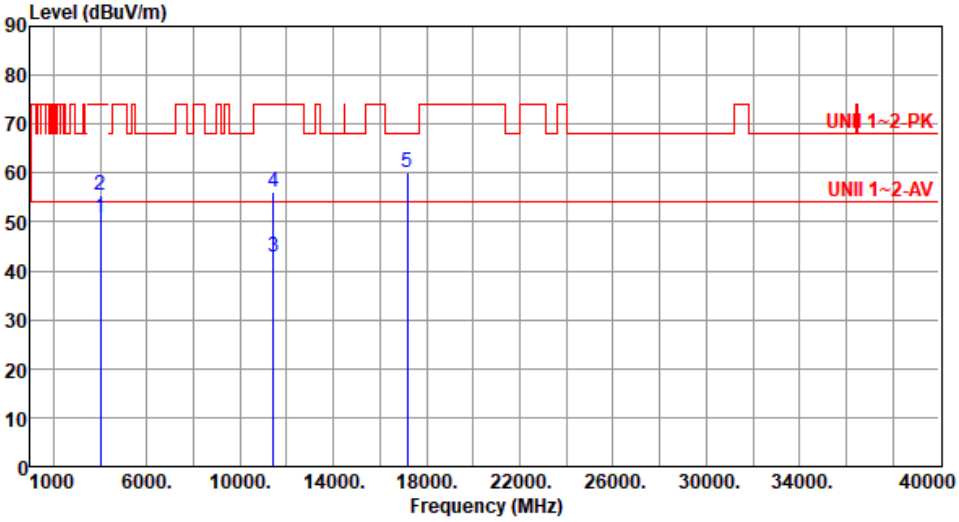


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.89	54.00	-9.11	47.13	-2.24	Average	303	206
2	4000.00	51.67	74.00	-22.33	53.91	-2.24	Peak	303	206
3	11400.00	42.53	54.00	-11.47	35.51	7.02	Average	100	196
4	11400.00	56.64	74.00	-17.36	49.62	7.02	Peak	100	196
5	17100.00	60.32	68.20	-7.88	54.37	5.95	Peak	100	150

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

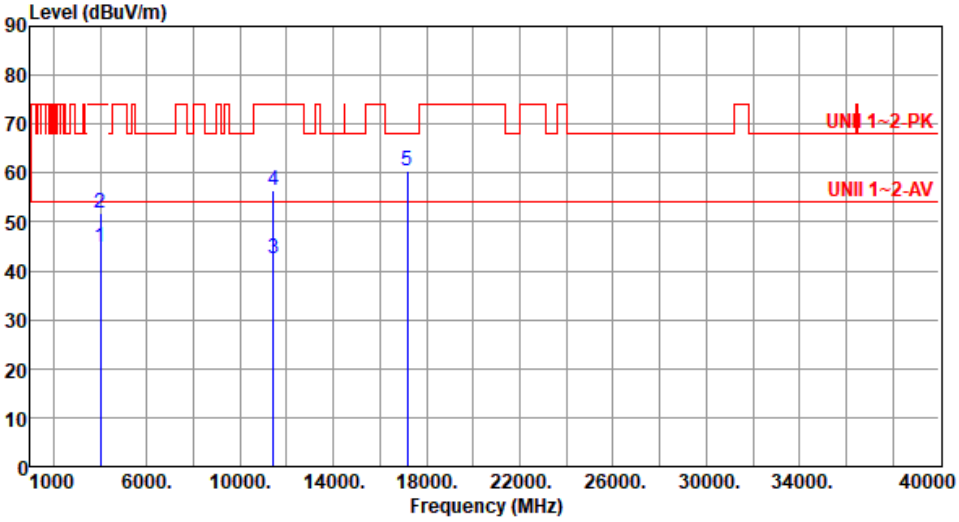


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.94	54.00	-3.06	53.18	-2.24	Average	284	136
2	4000.00	55.49	74.00	-18.51	57.73	-2.24	Peak	284	136
3	11440.00	42.76	54.00	-11.24	35.68	7.08	Average	100	155
4	11440.00	56.22	74.00	-17.78	49.14	7.08	Peak	100	155
5	17160.00	60.25	68.20	-7.95	54.19	6.06	Peak	100	167

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

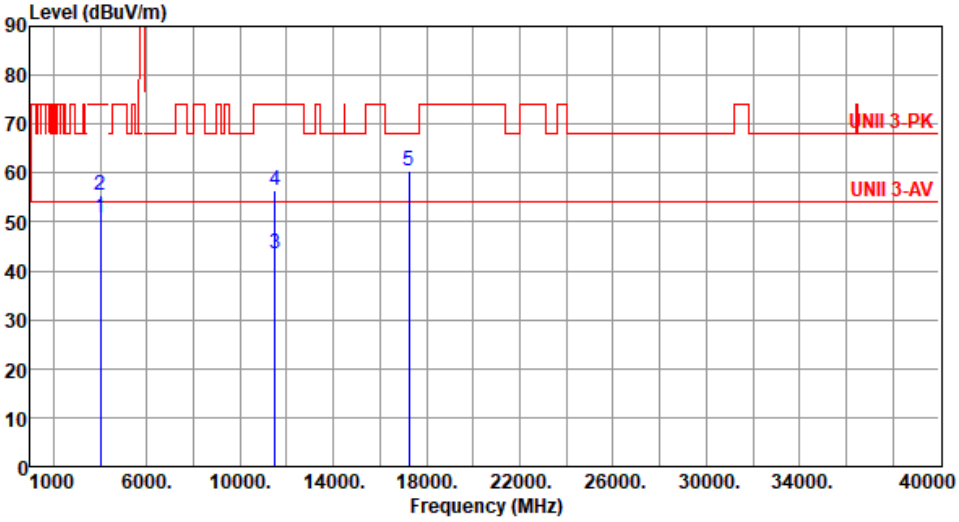


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.83	54.00	-9.17	47.07	-2.24	Average	306	201
2	4000.00	51.77	74.00	-22.23	54.01	-2.24	Peak	306	201
3	11440.00	42.60	54.00	-11.40	35.52	7.08	Average	100	203
4	11440.00	56.50	74.00	-17.50	49.42	7.08	Peak	100	203
5	17160.00	60.34	68.20	-7.86	54.28	6.06	Peak	100	136

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5745
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

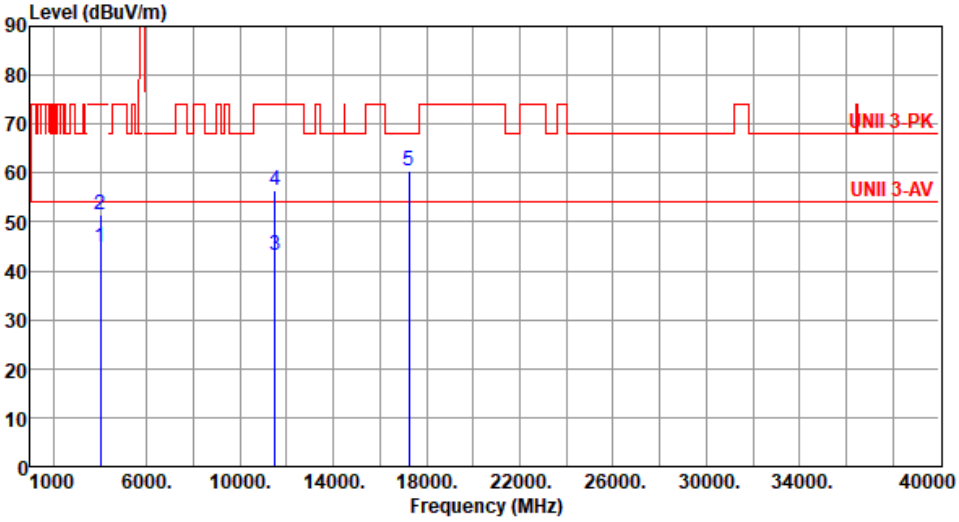


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.88	54.00	-3.12	53.12	-2.24	Average	288	134
2	4000.00	55.37	74.00	-18.63	57.61	-2.24	Peak	288	134
3	11490.00	43.34	54.00	-10.66	36.17	7.17	Average	100	190
4	11490.00	56.61	74.00	-17.39	49.44	7.17	Peak	100	190
5	17235.00	60.32	68.20	-7.88	54.24	6.08	Peak	100	135

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5745
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

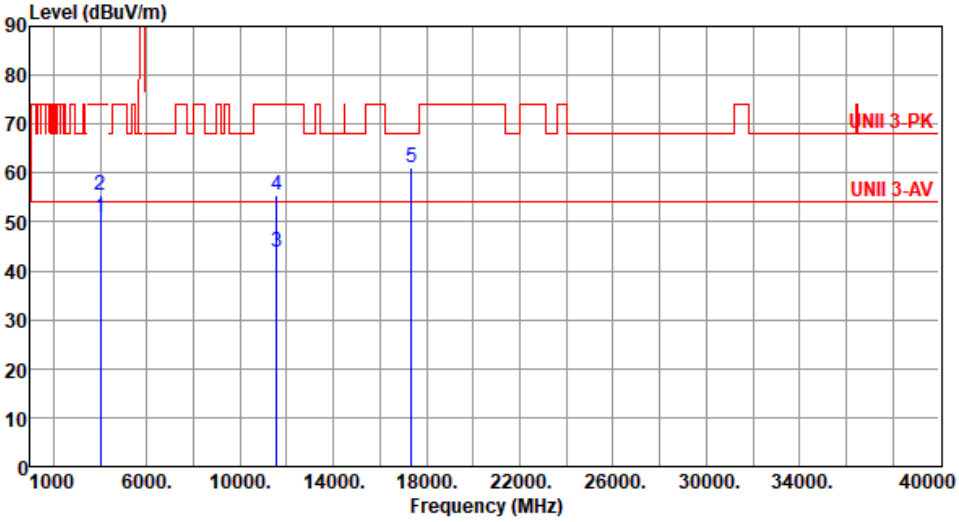


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.83	54.00	-9.17	47.07	-2.24	Average	302	210
2	4000.00	51.58	74.00	-22.42	53.82	-2.24	Peak	302	210
3	11490.00	43.33	54.00	-10.67	36.16	7.17	Average	100	121
4	11490.00	56.49	74.00	-17.51	49.32	7.17	Peak	100	121
5	17235.00	60.50	68.20	-7.70	54.42	6.08	Peak	100	157

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

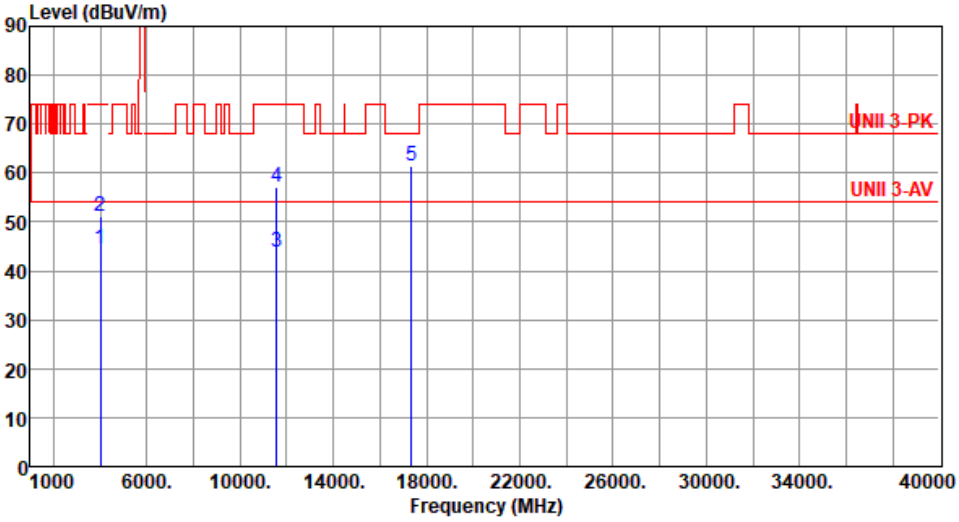


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.97	54.00	-3.03	53.21	-2.24	Average	285	134
2	4000.00	55.34	74.00	-18.66	57.58	-2.24	Peak	285	134
3	11570.00	43.67	54.00	-10.33	36.72	6.95	Average	100	198
4	11570.00	55.30	74.00	-18.70	48.35	6.95	Peak	100	198
5	17355.00	61.18	68.20	-7.02	54.96	6.22	Peak	100	156

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

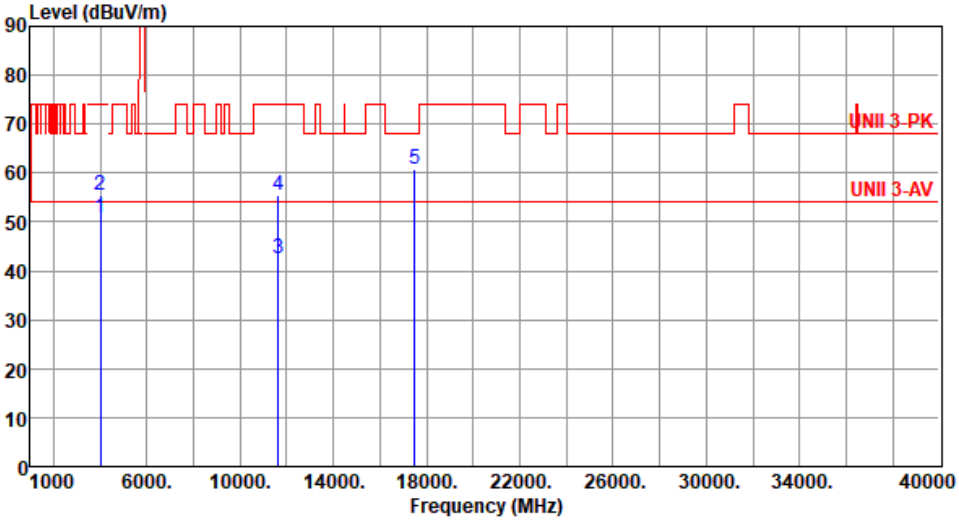


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.51	54.00	-9.49	46.75	-2.24	Average	305	209
2	4000.00	51.08	74.00	-22.92	53.32	-2.24	Peak	305	209
3	11570.00	43.97	54.00	-10.03	37.02	6.95	Average	100	161
4	11570.00	57.16	74.00	-16.84	50.21	6.95	Peak	100	161
5	17355.00	61.55	68.20	-6.65	55.33	6.22	Peak	100	72

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

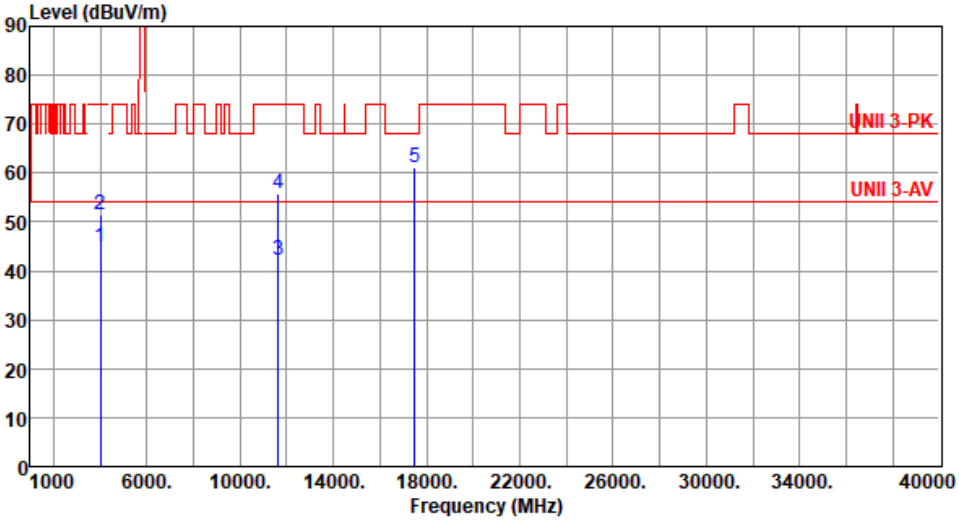


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.94	54.00	-3.06	53.18	-2.24	Average	289	136
2	4000.00	55.58	74.00	-18.42	57.82	-2.24	Peak	289	136
3	11650.00	42.39	54.00	-11.61	35.72	6.67	Average	100	164
4	11650.00	55.46	74.00	-18.54	48.79	6.67	Peak	100	164
5	17475.00	60.89	68.20	-7.31	54.31	6.58	Peak	100	210

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62



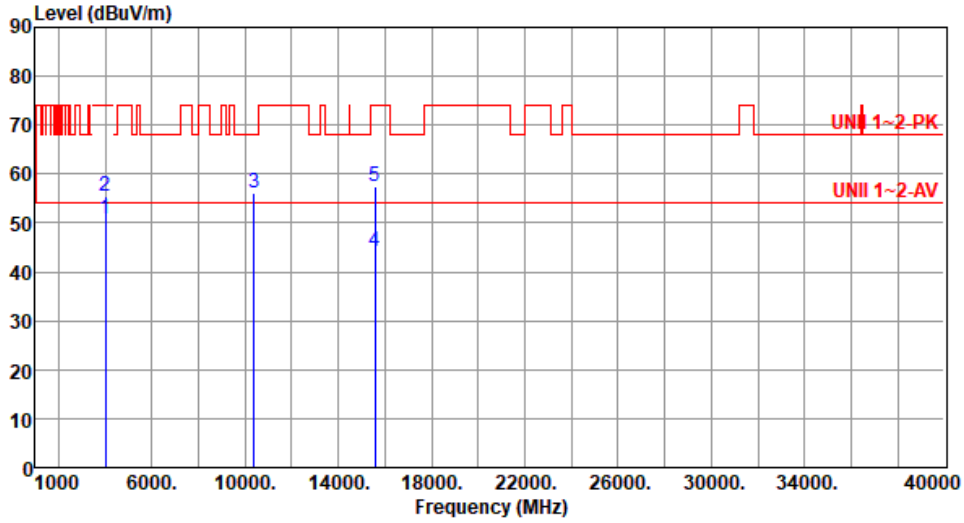
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.91	54.00	-9.09	47.15	-2.24	Average	305	201
2	4000.00	51.64	74.00	-22.36	53.88	-2.24	Peak	305	201
3	11650.00	42.25	54.00	-11.75	35.58	6.67	Average	100	146
4	11650.00	55.83	74.00	-18.17	49.16	6.67	Peak	100	146
5	17475.00	61.10	68.20	-7.10	54.52	6.58	Peak	100	178

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).

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

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5190
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

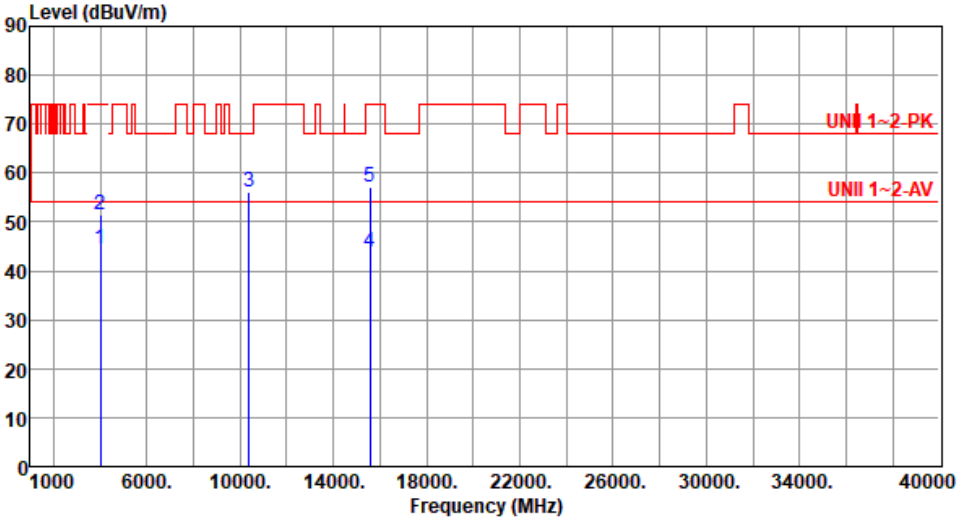


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.83	54.00	-3.17	53.07	-2.24	Average	288	132
2	4000.00	55.32	74.00	-18.68	57.56	-2.24	Peak	288	132
3	10380.00	56.19	68.20	-12.01	49.13	7.06	Peak	100	158
4	15570.00	44.10	54.00	-9.90	40.15	3.95	Average	100	122
5	15570.00	57.41	74.00	-16.59	53.46	3.95	Peak	100	122

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).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	5190
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

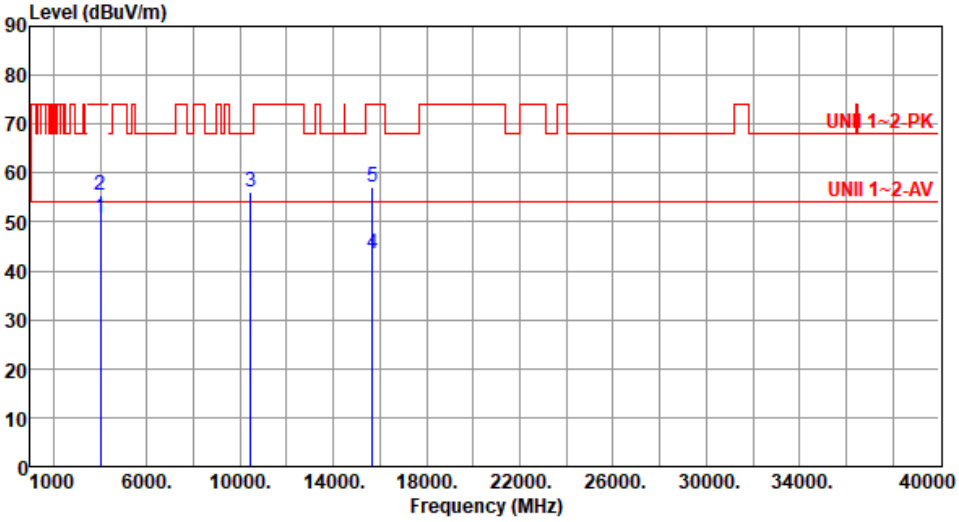


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.65	54.00	-9.35	46.89	-2.24	Average	305	207
2	4000.00	51.56	74.00	-22.44	53.80	-2.24	Peak	305	207
3	10380.00	56.03	68.20	-12.17	48.97	7.06	Peak	100	112
4	15570.00	43.81	54.00	-10.19	39.86	3.95	Average	100	186
5	15570.00	57.08	74.00	-16.92	53.13	3.95	Peak	100	186

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

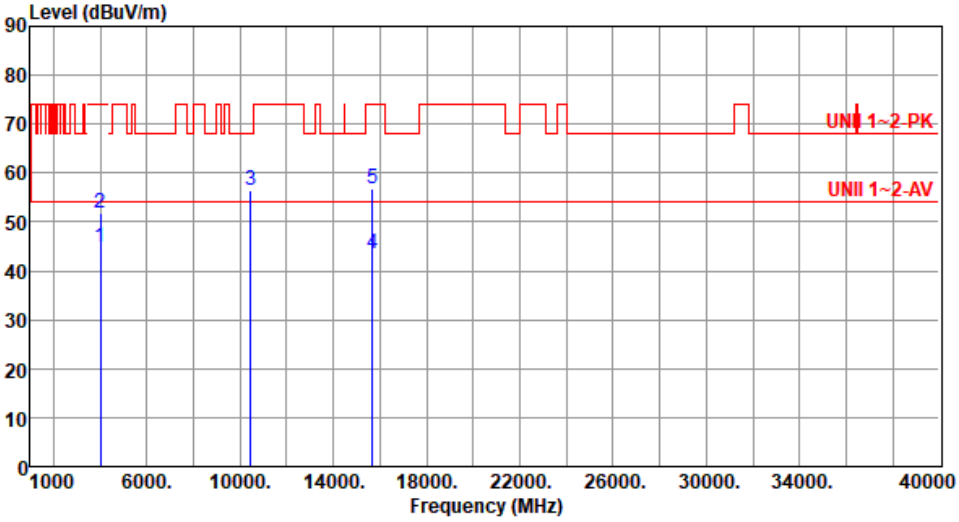


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.83	54.00	-3.17	53.07	-2.24	Average	288	132
2	4000.00	55.58	74.00	-18.42	57.82	-2.24	Peak	288	132
3	10460.00	56.27	68.20	-11.93	49.11	7.16	Peak	100	197
4	15690.00	43.44	54.00	-10.56	39.62	3.82	Average	100	102
5	15690.00	56.96	74.00	-17.04	53.14	3.82	Peak	100	102

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

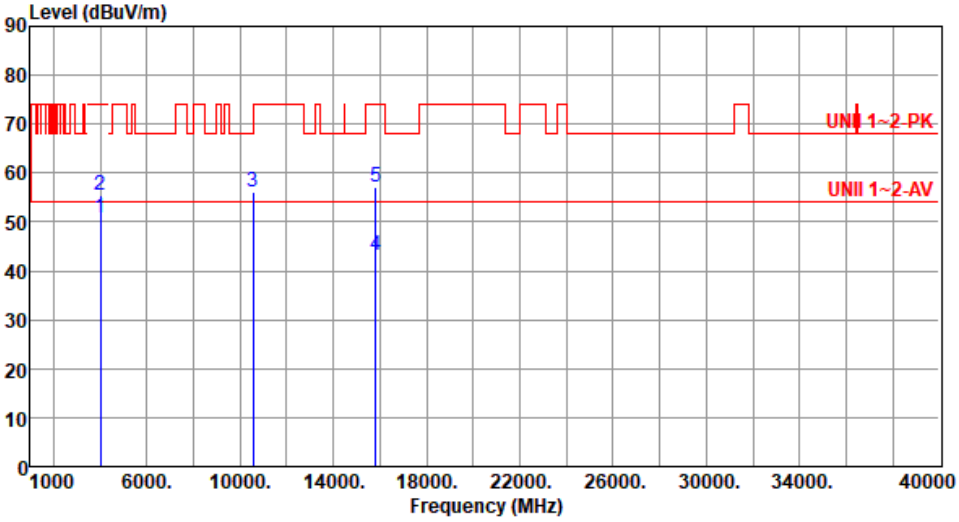


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.81	54.00	-9.19	47.05	-2.24	Average	305	205
2	4000.00	51.67	74.00	-22.33	53.91	-2.24	Peak	305	205
3	10460.00	56.50	68.20	-11.70	49.34	7.16	Peak	100	95
4	15690.00	43.39	54.00	-10.61	39.57	3.82	Average	100	137
5	15690.00	56.84	74.00	-17.16	53.02	3.82	Peak	100	137

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

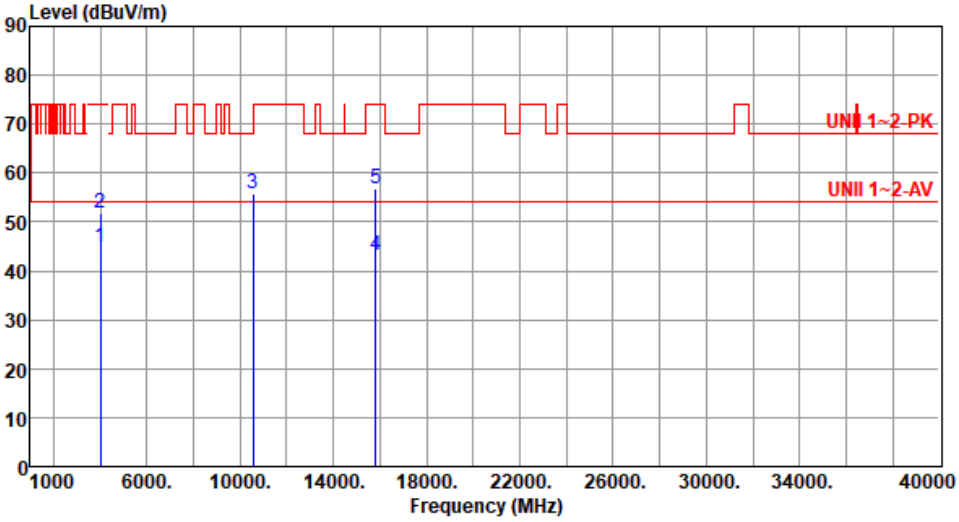


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.93	54.00	-3.07	53.17	-2.24	Average	287	133
2	4000.00	55.61	74.00	-18.39	57.85	-2.24	Peak	287	133
3	10540.00	55.97	68.20	-12.23	48.79	7.18	Peak	100	173
4	15810.00	43.04	54.00	-10.96	39.14	3.90	Average	100	118
5	15810.00	56.96	74.00	-17.04	53.06	3.90	Peak	100	118

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

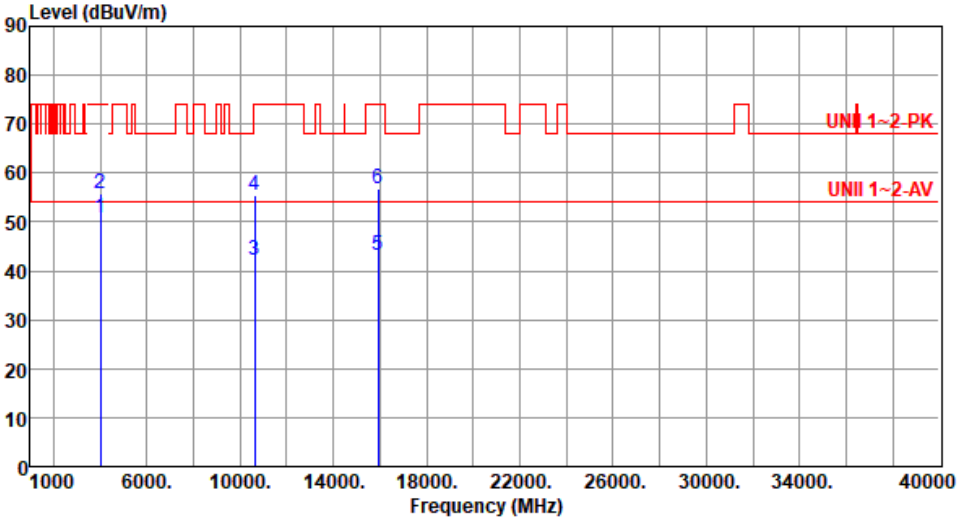


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.80	54.00	-9.20	47.04	-2.24	Average	305	204
2	4000.00	51.69	74.00	-22.31	53.93	-2.24	Peak	305	204
3	10540.00	55.64	68.20	-12.56	48.46	7.18	Peak	100	69
4	15810.00	43.12	54.00	-10.88	39.22	3.90	Average	100	146
5	15810.00	56.76	74.00	-17.24	52.86	3.90	Peak	100	146

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

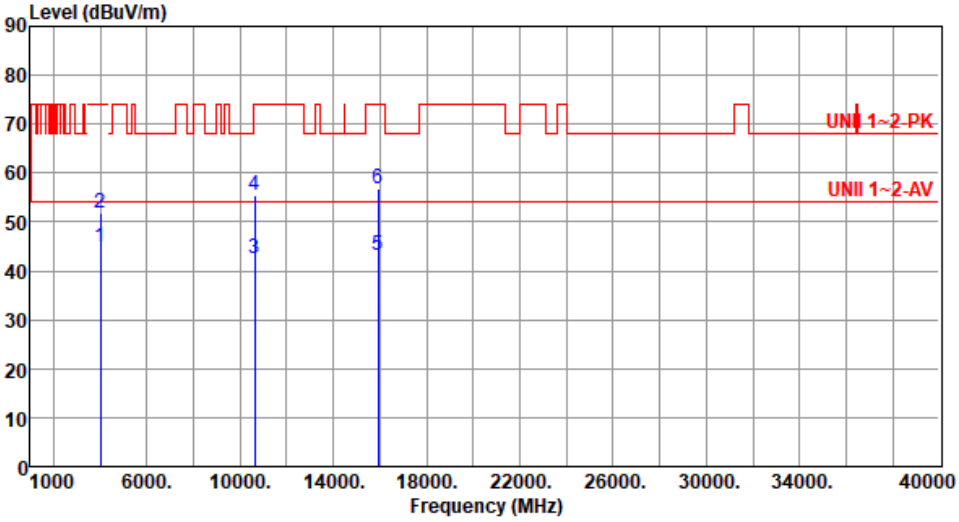


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.89	54.00	-3.11	53.13	-2.24	Average	287	134
2	4000.00	55.78	74.00	-18.22	58.02	-2.24	Peak	287	134
3	10620.00	42.34	54.00	-11.66	35.19	7.15	Average	100	231
4	10620.00	55.50	74.00	-18.50	48.35	7.15	Peak	100	231
5	15930.00	43.21	54.00	-10.79	39.16	4.05	Average	100	155
6	15930.00	56.77	74.00	-17.23	52.72	4.05	Peak	100	155

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

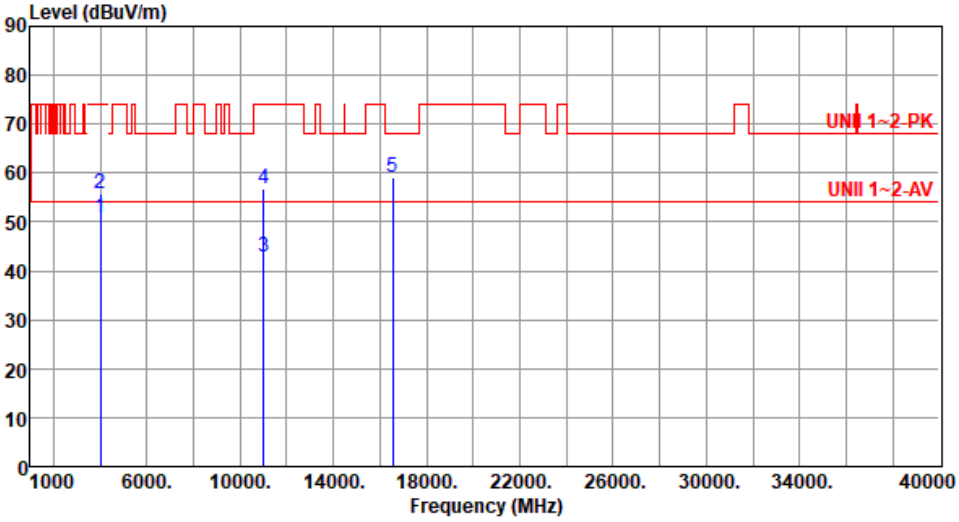


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.83	54.00	-9.17	47.07	-2.24	Average	305	208
2	4000.00	51.75	74.00	-22.25	53.99	-2.24	Peak	305	208
3	10620.00	42.61	54.00	-11.39	35.46	7.15	Average	100	179
4	10620.00	55.41	74.00	-18.59	48.26	7.15	Peak	100	179
5	15930.00	43.17	54.00	-10.83	39.12	4.05	Average	100	134
6	15930.00	56.92	74.00	-17.08	52.87	4.05	Peak	100	134

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

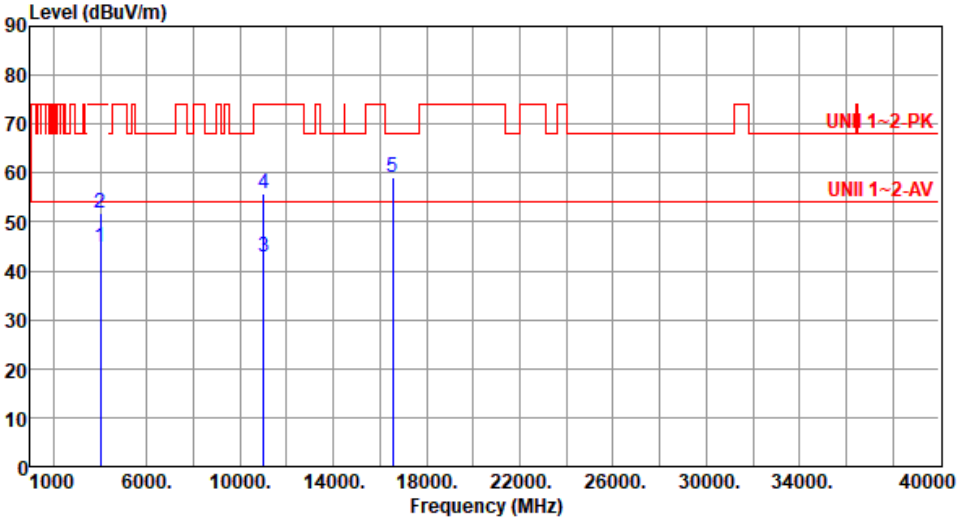


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.91	54.00	-3.09	53.15	-2.24	Average	289	131
2	4000.00	55.66	74.00	-18.34	57.90	-2.24	Peak	289	131
3	11020.00	42.81	54.00	-11.19	35.37	7.44	Average	100	198
4	11020.00	56.67	74.00	-17.33	49.23	7.44	Peak	100	198
5	16530.00	59.15	68.20	-9.05	53.17	5.98	Peak	100	145

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

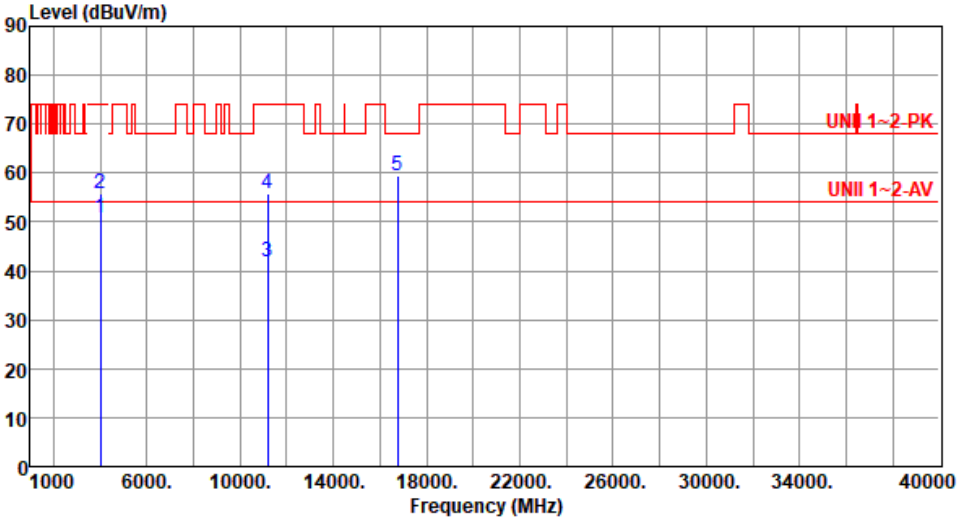


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.92	54.00	-9.08	47.16	-2.24	Average	305	206
2	4000.00	51.83	74.00	-22.17	54.07	-2.24	Peak	305	206
3	11020.00	42.74	54.00	-11.26	35.30	7.44	Average	100	103
4	11020.00	55.73	74.00	-18.27	48.29	7.44	Peak	100	103
5	16530.00	59.13	68.20	-9.07	53.15	5.98	Peak	100	164

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

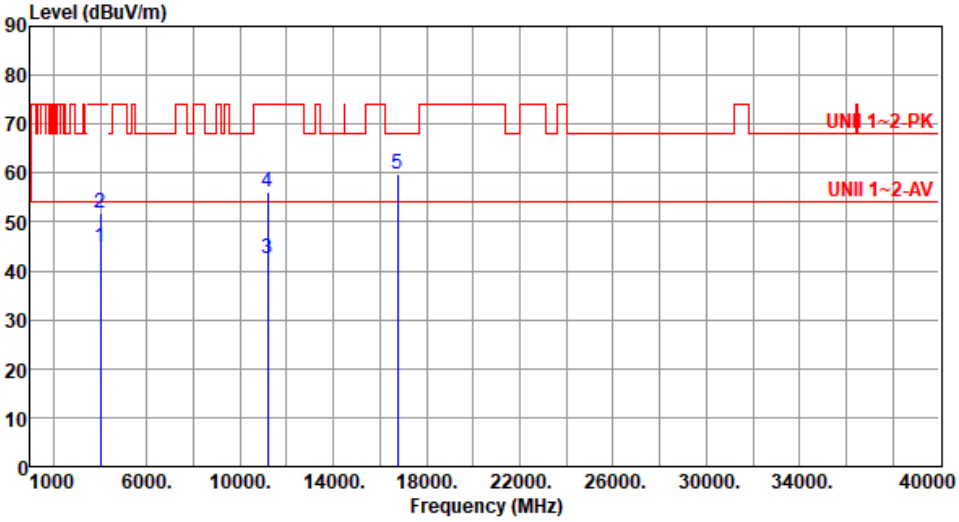


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.85	54.00	-3.15	53.09	-2.24	Average	286	133
2	4000.00	55.65	74.00	-18.35	57.89	-2.24	Peak	286	133
3	11180.00	41.99	54.00	-12.01	35.17	6.82	Average	100	231
4	11180.00	55.87	74.00	-18.13	49.05	6.82	Peak	100	231
5	16770.00	59.61	68.20	-8.59	53.15	6.46	Peak	100	167

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

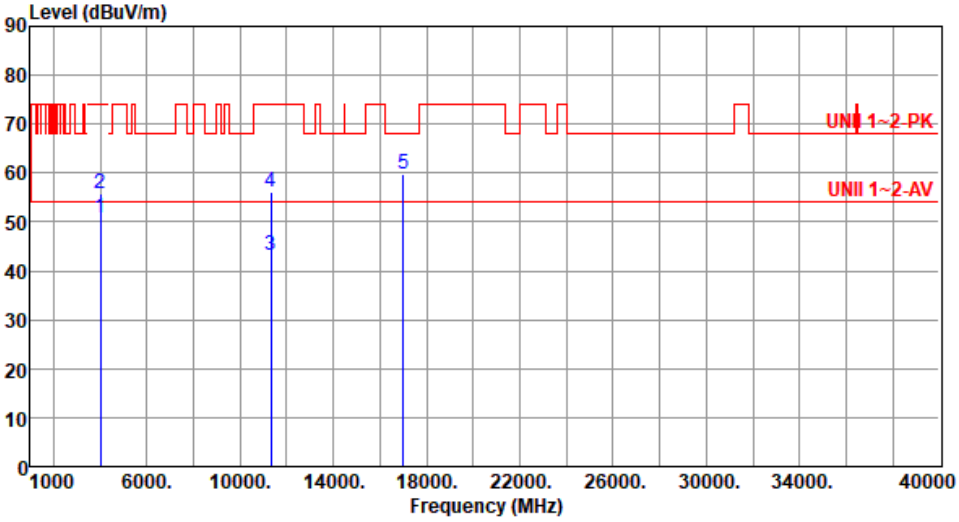


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.85	54.00	-9.15	47.09	-2.24	Average	303	206
2	4000.00	51.72	74.00	-22.28	53.96	-2.24	Peak	303	206
3	11180.00	42.38	54.00	-11.62	35.56	6.82	Average	100	132
4	11180.00	56.05	74.00	-17.95	49.23	6.82	Peak	100	132
5	16770.00	59.81	68.20	-8.39	53.35	6.46	Peak	100	192

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

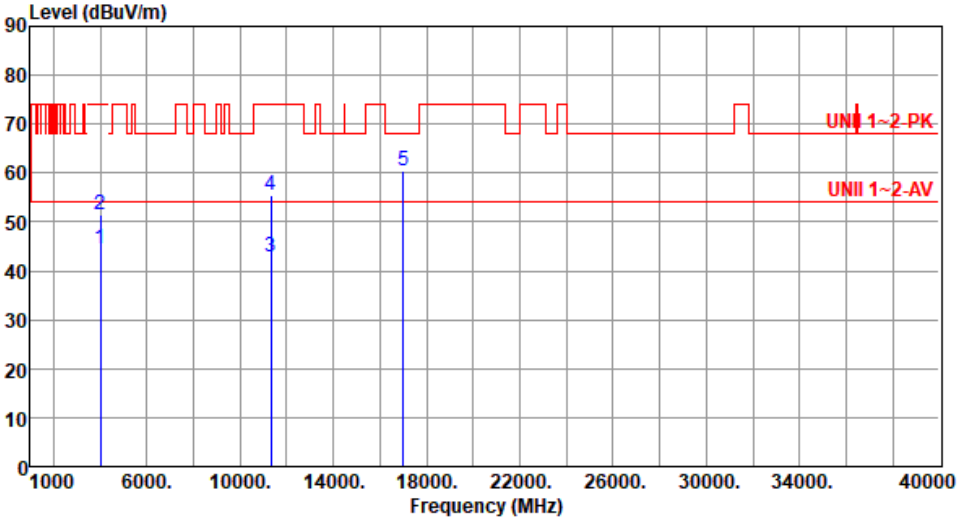


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.93	54.00	-3.07	53.17	-2.24	Average	290	132
2	4000.00	55.74	74.00	-18.26	57.98	-2.24	Peak	290	132
3	11340.00	43.14	54.00	-10.86	36.28	6.86	Average	100	198
4	11340.00	56.09	74.00	-17.91	49.23	6.86	Peak	100	198
5	17010.00	59.92	68.20	-8.28	53.67	6.25	Peak	100	158

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

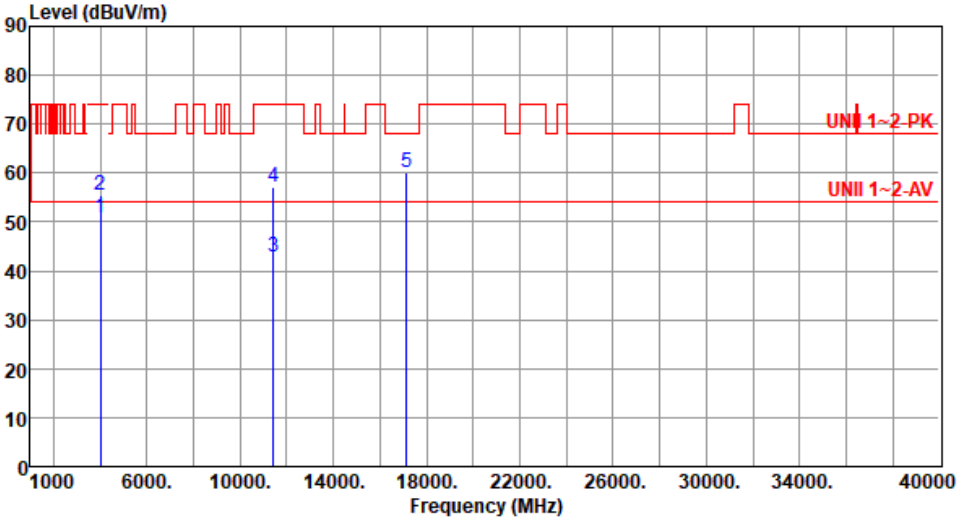


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.58	54.00	-9.42	46.82	-2.24	Average	305	209
2	4000.00	51.39	74.00	-22.61	53.63	-2.24	Peak	305	209
3	11340.00	42.74	54.00	-11.26	35.88	6.86	Average	100	121
4	11340.00	55.63	74.00	-18.37	48.77	6.86	Peak	100	121
5	17010.00	60.40	68.20	-7.80	54.15	6.25	Peak	100	173

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

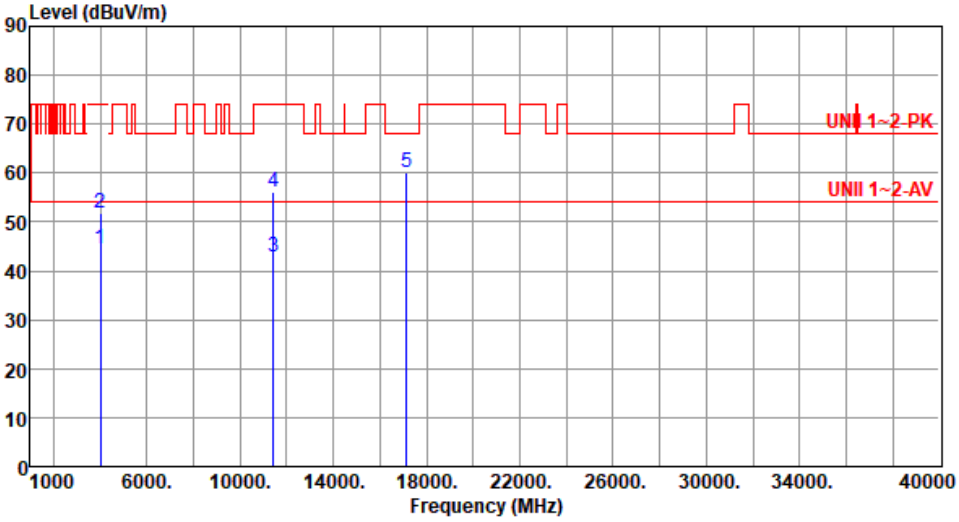


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.83	54.00	-3.17	53.07	-2.24	Average	288	130
2	4000.00	55.33	74.00	-18.67	57.57	-2.24	Peak	288	130
3	11420.00	42.71	54.00	-11.29	35.65	7.06	Average	100	183
4	11420.00	57.20	74.00	-16.80	50.14	7.06	Peak	100	183
5	17130.00	60.25	68.20	-7.95	54.25	6.00	Peak	100	113

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

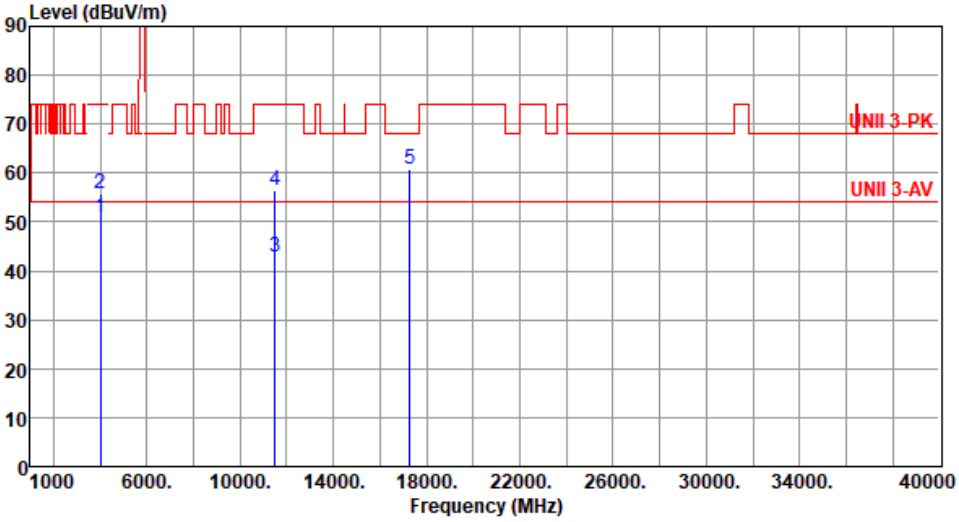


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.49	54.00	-9.51	46.73	-2.24	Average	304	207
2	4000.00	51.72	74.00	-22.28	53.96	-2.24	Peak	304	207
3	11420.00	42.89	54.00	-11.11	35.83	7.06	Average	100	84
4	11420.00	56.16	74.00	-17.84	49.10	7.06	Peak	100	84
5	17130.00	60.17	68.20	-8.03	54.17	6.00	Peak	100	165

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).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	5755
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

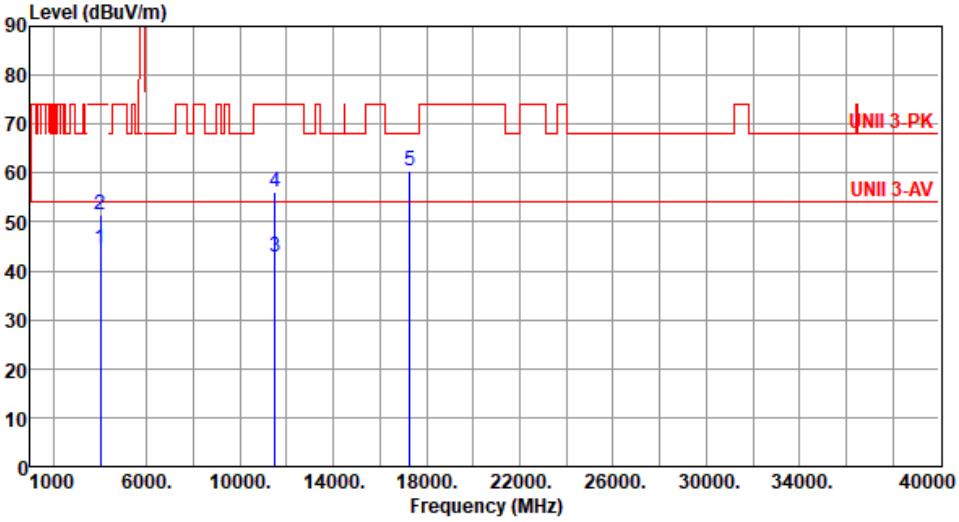


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.91	54.00	-3.09	53.15	-2.24	Average	288	134
2	4000.00	55.63	74.00	-18.37	57.87	-2.24	Peak	288	134
3	11510.00	42.96	54.00	-11.04	35.81	7.15	Average	100	226
4	11510.00	56.42	74.00	-17.58	49.27	7.15	Peak	100	226
5	17265.00	60.64	68.20	-7.56	54.59	6.05	Peak	100	176

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).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	5755
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

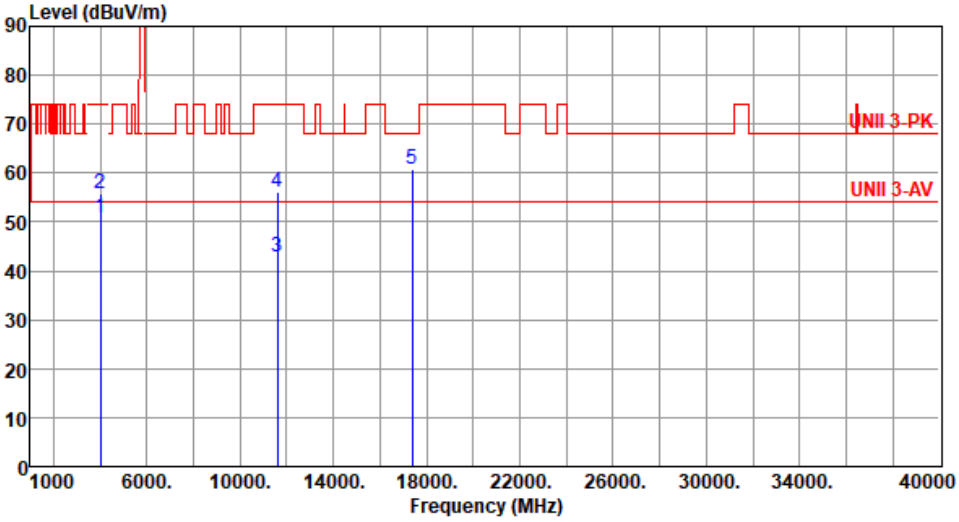


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.56	54.00	-9.44	46.80	-2.24	Average	305	202
2	4000.00	51.48	74.00	-22.52	53.72	-2.24	Peak	305	202
3	11510.00	42.99	54.00	-11.01	35.84	7.15	Average	100	112
4	11510.00	55.98	74.00	-18.02	48.83	7.15	Peak	100	112
5	17265.00	60.40	68.20	-7.80	54.35	6.05	Peak	100	166

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).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	5795
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

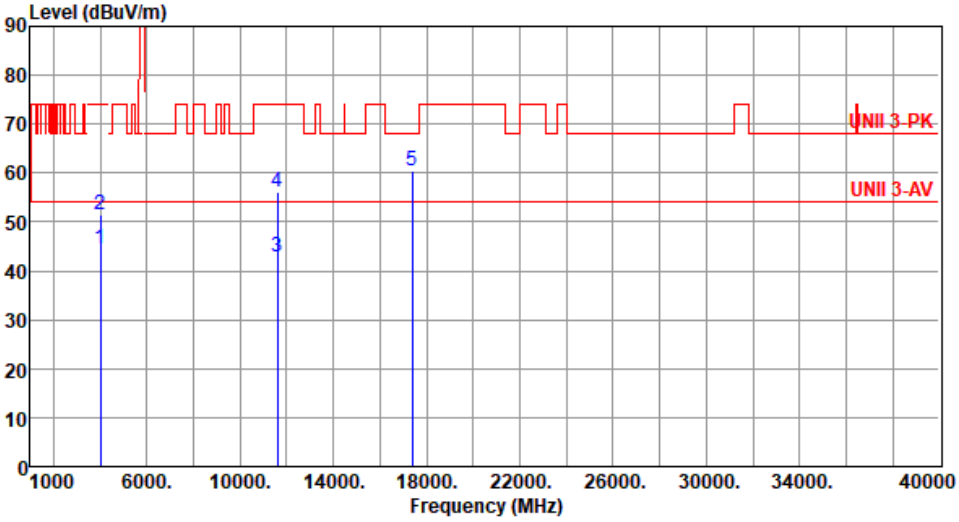


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.93	54.00	-3.07	53.17	-2.24	Average	288	133
2	4000.00	55.78	74.00	-18.22	58.02	-2.24	Peak	288	133
3	11590.00	42.95	54.00	-11.05	36.08	6.87	Average	100	199
4	11590.00	56.21	74.00	-17.79	49.34	6.87	Peak	100	199
5	17385.00	60.84	68.20	-7.36	54.51	6.33	Peak	100	131

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62



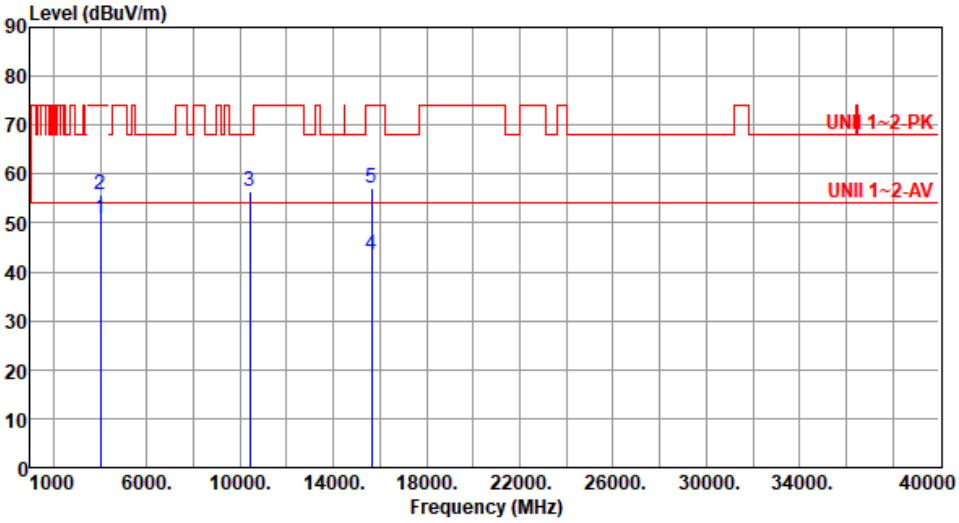
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.61	54.00	-9.39	46.85	-2.24	Average	304	207
2	4000.00	51.53	74.00	-22.47	53.77	-2.24	Peak	304	207
3	11590.00	42.70	54.00	-11.30	35.83	6.87	Average	100	105
4	11590.00	56.21	74.00	-17.79	49.34	6.87	Peak	100	105
5	17385.00	60.60	68.20	-7.60	54.27	6.33	Peak	100	169

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).

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

Modulation	ax HE80-OFDMA	**Test Freq. (MHz)**	5210
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

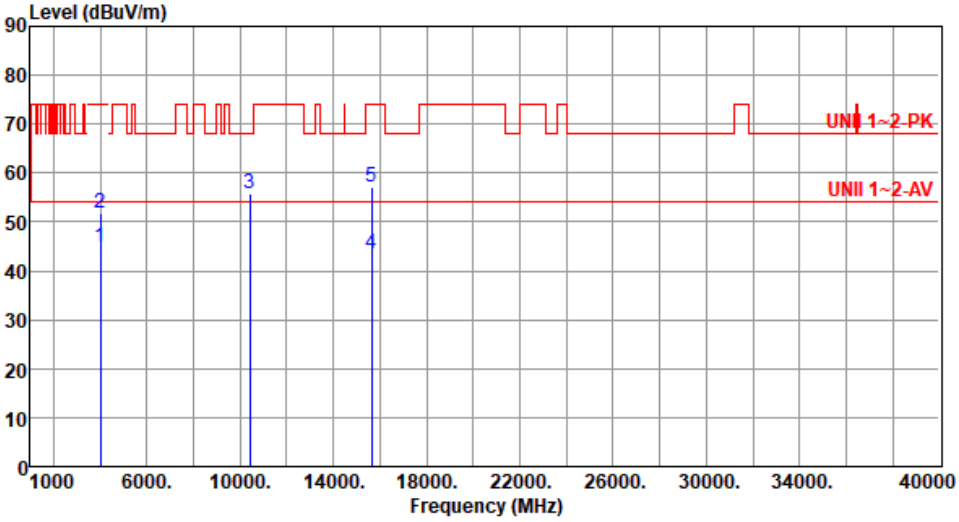


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.86	54.00	-3.14	53.10	-2.24	Average	288	135
2	4000.00	55.65	74.00	-18.35	57.89	-2.24	Peak	288	135
3	10420.00	56.44	68.20	-11.76	49.31	7.13	Peak	100	208
4	15630.00	43.56	54.00	-10.44	39.73	3.83	Average	100	164
5	15630.00	57.02	74.00	-16.98	53.19	3.83	Peak	100	164

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

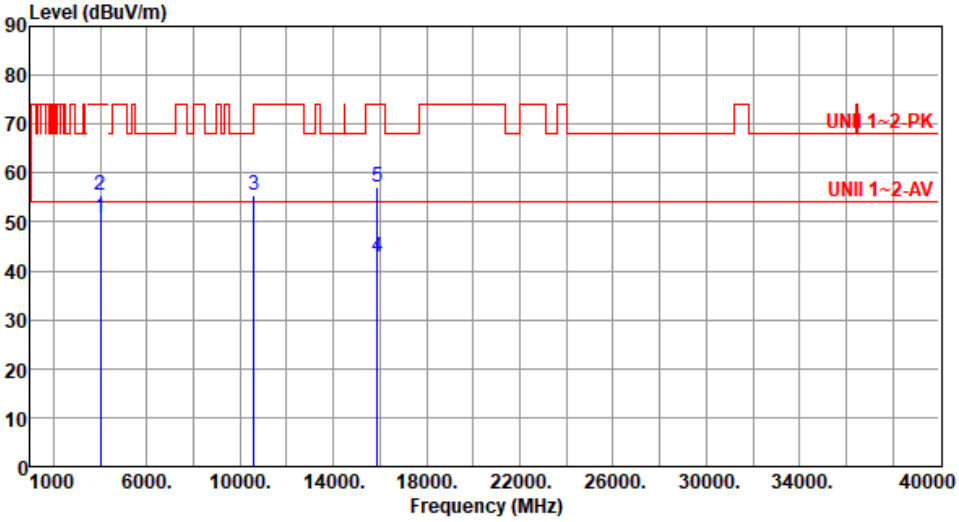


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.83	54.00	-9.17	47.07	-2.24	Average	305	207
2	4000.00	51.79	74.00	-22.21	54.03	-2.24	Peak	305	207
3	10420.00	55.71	68.20	-12.49	48.58	7.13	Peak	100	115
4	15630.00	43.52	54.00	-10.48	39.69	3.83	Average	100	182
5	15630.00	56.99	74.00	-17.01	53.16	3.83	Peak	100	182

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

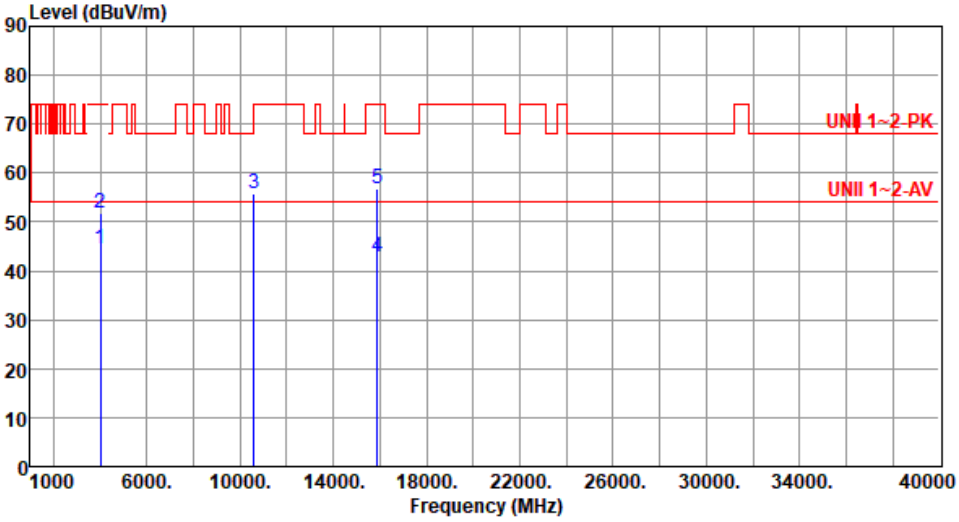


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.86	54.00	-3.14	53.10	-2.24	Average	289	132
2	4000.00	55.46	74.00	-18.54	57.70	-2.24	Peak	289	132
3	10580.00	55.62	68.20	-12.58	48.44	7.18	Peak	100	237
4	15870.00	42.86	54.00	-11.14	38.85	4.01	Average	100	158
5	15870.00	57.08	74.00	-16.92	53.07	4.01	Peak	100	158

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

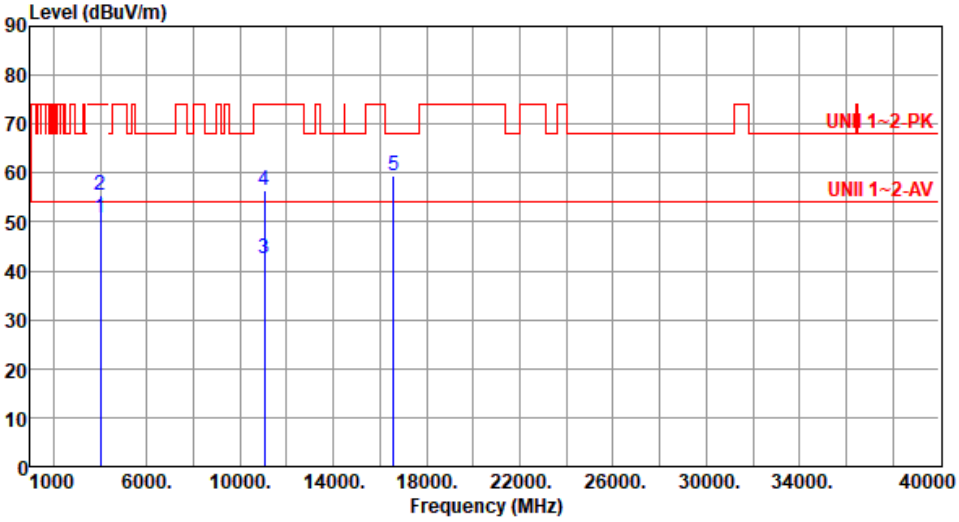


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.61	54.00	-9.39	46.85	-2.24	Average	305	210
2	4000.00	51.88	74.00	-22.12	54.12	-2.24	Peak	305	210
3	10580.00	55.94	68.20	-12.26	48.76	7.18	Peak	100	120
4	15870.00	42.78	54.00	-11.22	38.77	4.01	Average	100	189
5	15870.00	56.86	74.00	-17.14	52.85	4.01	Peak	100	189

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

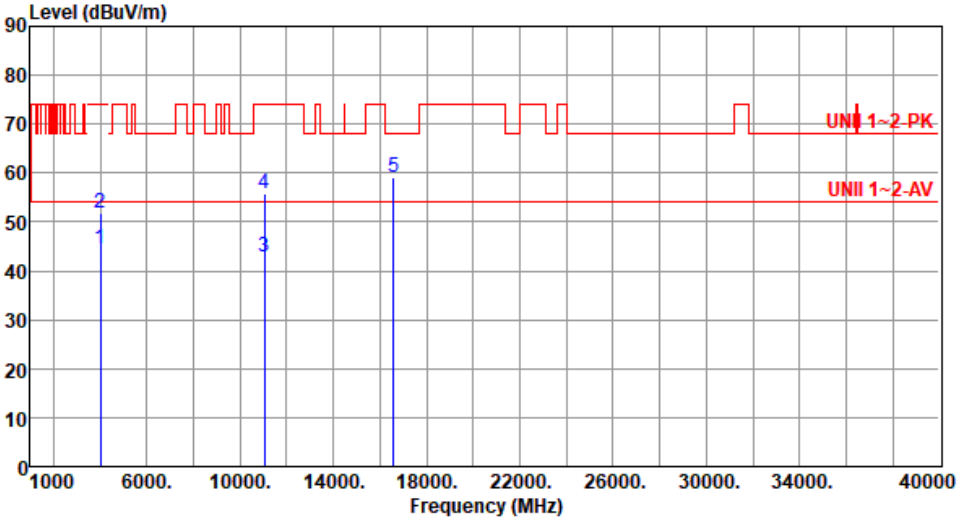


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.87	54.00	-3.13	53.11	-2.24	Average	288	131
2	4000.00	55.59	74.00	-18.41	57.83	-2.24	Peak	288	131
3	11060.00	42.57	54.00	-11.43	35.22	7.35	Average	100	225
4	11060.00	56.47	74.00	-17.53	49.12	7.35	Peak	100	225
5	16590.00	59.47	68.20	-8.73	53.52	5.95	Peak	100	172

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

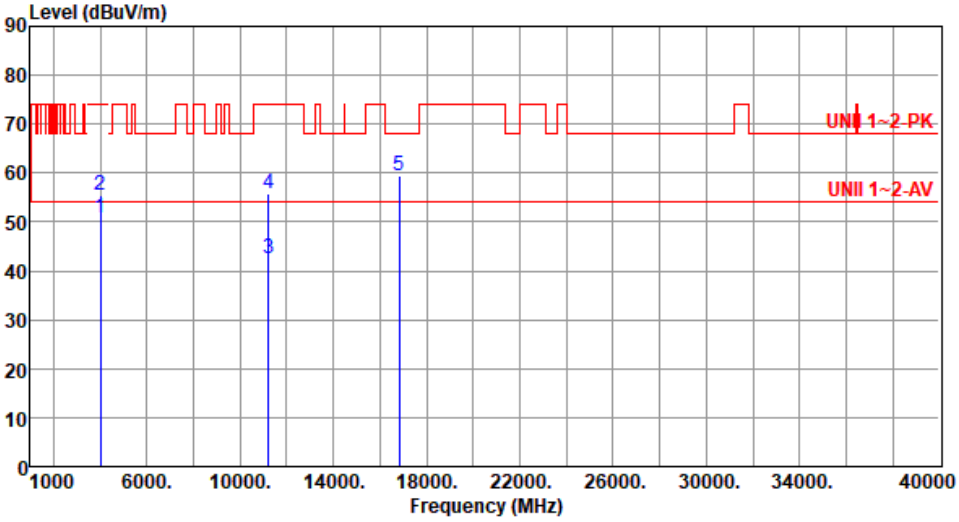


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.63	54.00	-9.37	46.87	-2.24	Average	303	205
2	4000.00	51.72	74.00	-22.28	53.96	-2.24	Peak	303	205
3	11060.00	42.71	54.00	-11.29	35.36	7.35	Average	100	106
4	11060.00	55.89	74.00	-18.11	48.54	7.35	Peak	100	106
5	16590.00	59.23	68.20	-8.97	53.28	5.95	Peak	100	183

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

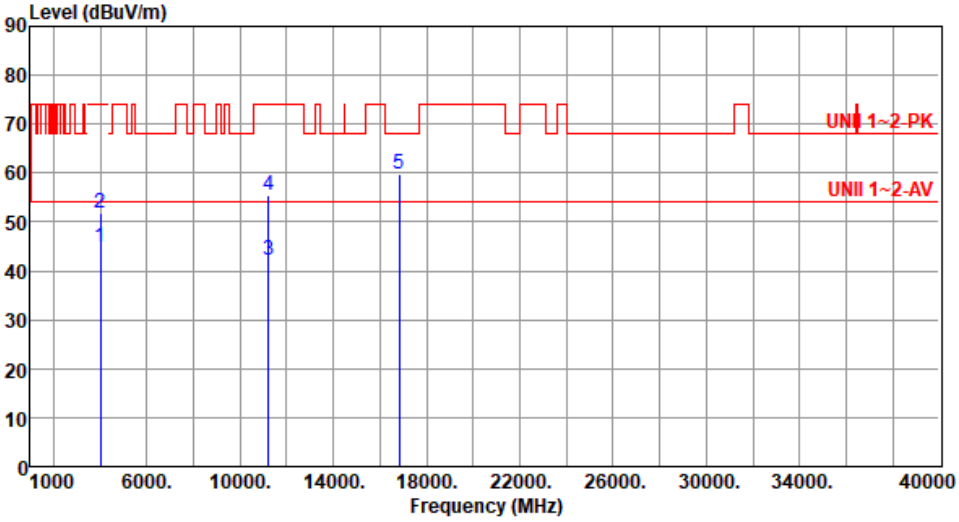


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.86	54.00	-3.14	53.10	-2.24	Average	287	133
2	4000.00	55.56	74.00	-18.44	57.80	-2.24	Peak	287	133
3	11220.00	42.36	54.00	-11.64	35.64	6.72	Average	100	198
4	11220.00	55.85	74.00	-18.15	49.13	6.72	Peak	100	198
5	16830.00	59.40	68.20	-8.80	52.75	6.65	Peak	100	127

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

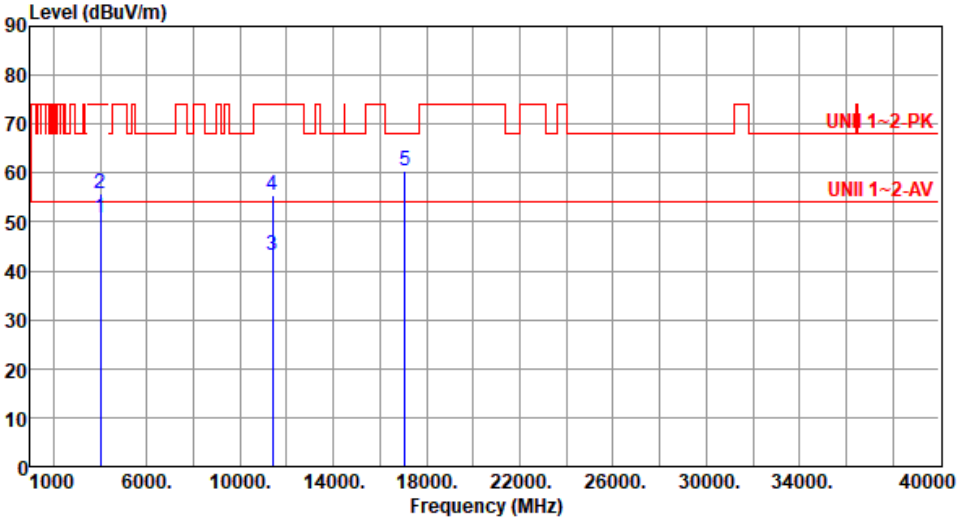


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.68	54.00	-9.32	46.92	-2.24	Average	307	205
2	4000.00	51.67	74.00	-22.33	53.91	-2.24	Peak	307	205
3	11220.00	42.28	54.00	-11.72	35.56	6.72	Average	100	182
4	11220.00	55.57	74.00	-18.43	48.85	6.72	Peak	100	182
5	16830.00	59.79	68.20	-8.41	53.14	6.65	Peak	100	102

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

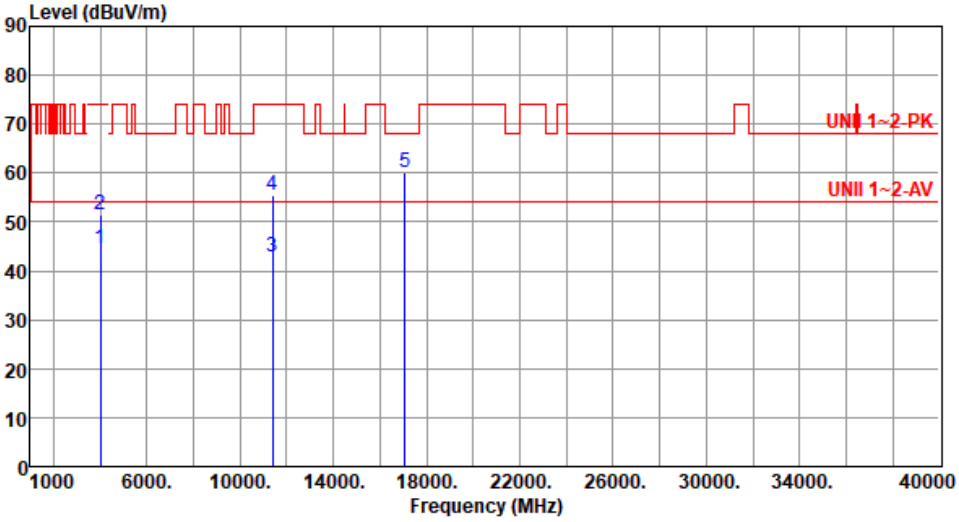


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.91	54.00	-3.09	53.15	-2.24	Average	286	132
2	4000.00	55.72	74.00	-18.28	57.96	-2.24	Peak	286	132
3	11380.00	43.11	54.00	-10.89	36.14	6.97	Average	100	231
4	11380.00	55.53	74.00	-18.47	48.56	6.97	Peak	100	231
5	17070.00	60.28	68.20	-7.92	54.23	6.05	Peak	100	175

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

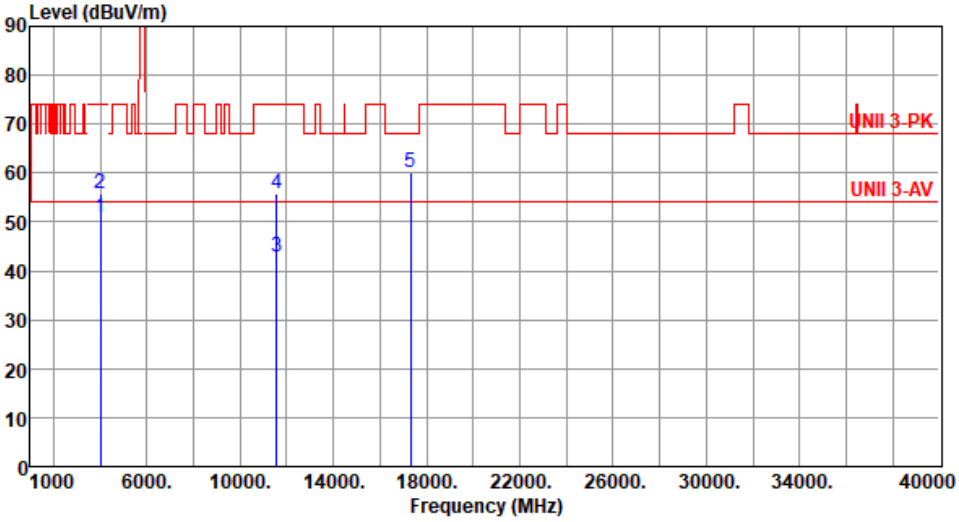


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.46	54.00	-9.54	46.70	-2.24	Average	305	208
2	4000.00	51.49	74.00	-22.51	53.73	-2.24	Peak	305	208
3	11380.00	42.81	54.00	-11.19	35.84	6.97	Average	100	118
4	11380.00	55.56	74.00	-18.44	48.59	6.97	Peak	100	118
5	17070.00	60.02	68.20	-8.18	53.97	6.05	Peak	100	196

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

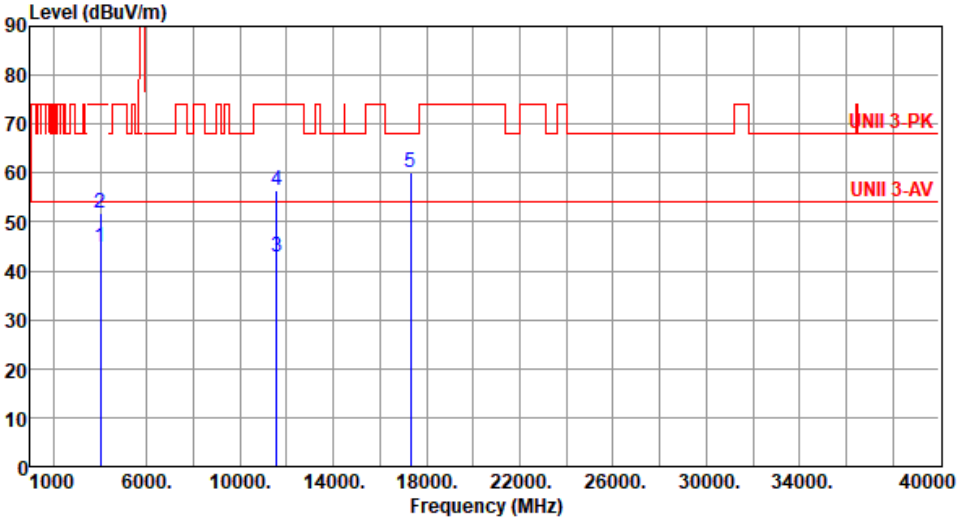


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.82	54.00	-3.18	53.06	-2.24	Average	288	139
2	4000.00	55.73	74.00	-18.27	57.97	-2.24	Peak	288	139
3	11550.00	42.92	54.00	-11.08	35.91	7.01	Average	100	225
4	11550.00	55.77	74.00	-18.23	48.76	7.01	Peak	100	225
5	17325.00	60.27	68.20	-7.93	54.17	6.10	Peak	100	189

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62



	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	4000.00	44.68	54.00	-9.32	46.92	-2.24	Average	303	206
2	4000.00	51.82	74.00	-22.18	54.06	-2.24	Peak	303	206
3	11550.00	42.97	54.00	-11.03	35.96	7.01	Average	100	110
4	11550.00	56.57	74.00	-17.43	49.56	7.01	Peak	100	110
5	17325.00	60.05	68.20	-8.15	53.95	6.10	Peak	100	192

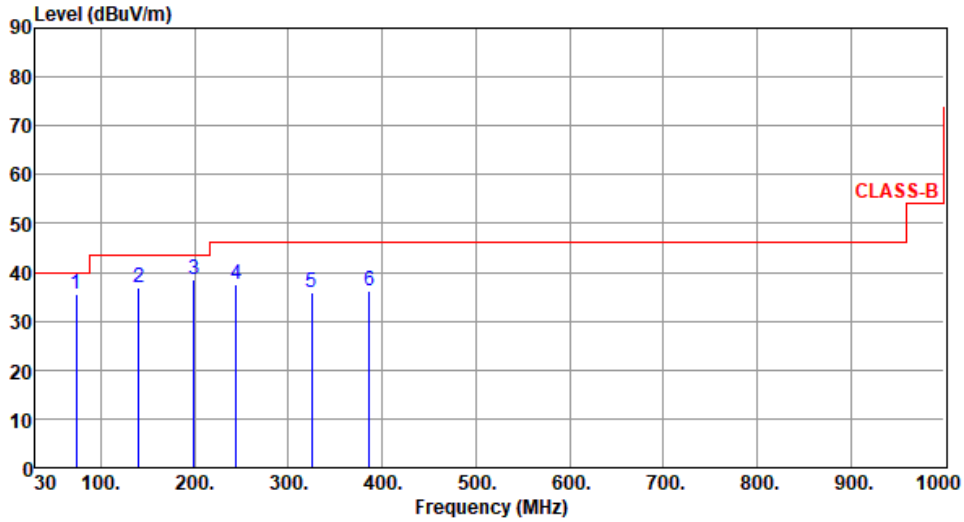
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

ST M.2, PCIe Module

Unwanted Emissions (Below 1GHz)

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

Test By :Paul Lin Temperature(℃):24 Humidity(%):66

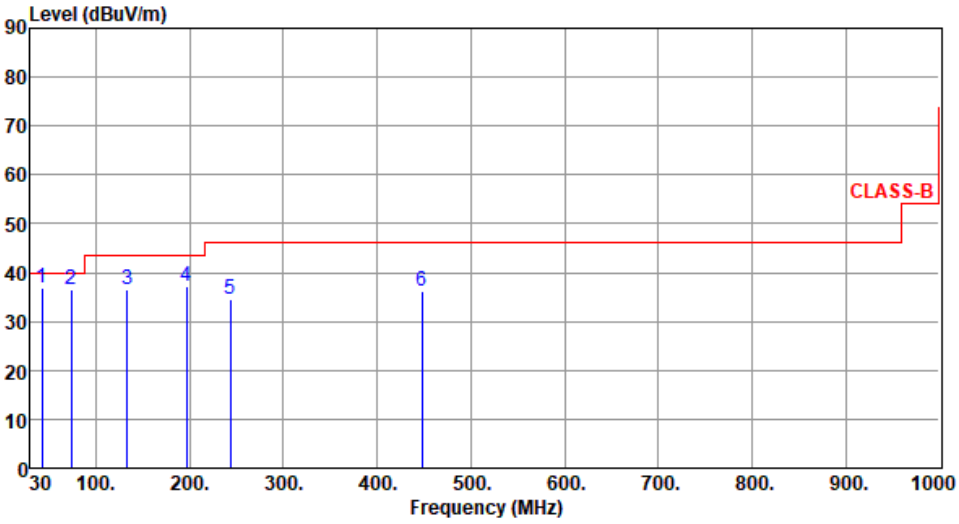


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	73.72	35.56	40.00	-4.44	47.69	-12.13	Peak	---	---
2	140.12	36.89	43.50	-6.61	46.35	-9.46	Peak	---	---
3	199.68	38.64	43.50	-4.86	50.47	-11.83	Peak	---	---
4	244.11	37.68	46.00	-8.32	47.91	-10.23	Peak	---	---
5	324.57	35.91	46.00	-10.09	43.43	-7.52	Peak	---	---
6	386.28	36.19	46.00	-9.81	42.07	-5.88	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-OFDMA	**Test Freq. (MHz)**	5580
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):24 Humidity(%):66

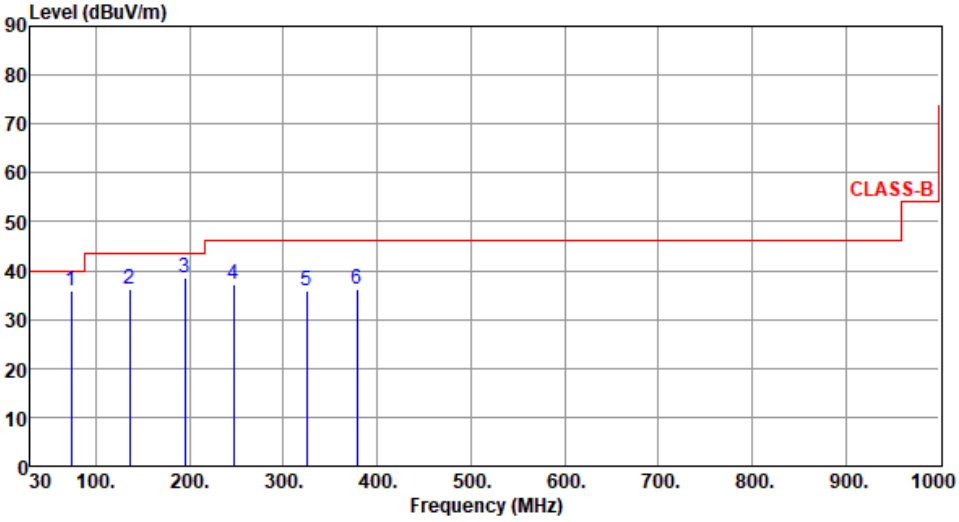


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	42.61	36.72	40.00	-3.28	45.06	-8.34	QP	100	131
2	73.68	36.48	40.00	-3.52	48.59	-12.11	Peak	---	---
3	133.35	36.47	43.50	-7.03	46.50	-10.03	Peak	---	---
4	196.95	37.23	43.50	-6.27	49.10	-11.87	Peak	---	---
5	243.35	34.62	46.00	-11.38	44.90	-10.28	Peak	---	---
6	448.16	36.28	46.00	-9.72	40.54	-4.26	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-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):24 Humidity(%):66

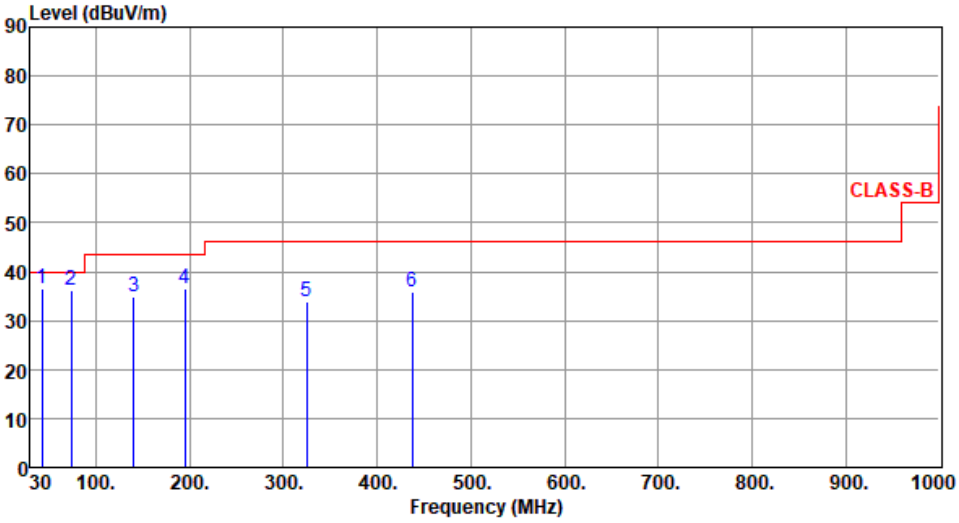


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	73.83	35.72	40.00	-4.28	47.88	-12.16	Peak	---	---
2	135.73	36.31	43.50	-7.19	46.05	-9.74	Peak	---	---
3	194.90	38.59	43.50	-4.91	50.27	-11.68	Peak	---	---
4	247.28	37.11	46.00	-8.89	47.23	-10.12	Peak	---	---
5	324.88	35.79	46.00	-10.21	43.31	-7.52	Peak	---	---
6	378.23	36.24	46.00	-9.76	42.35	-6.11	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-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):24 Humidity(%):66



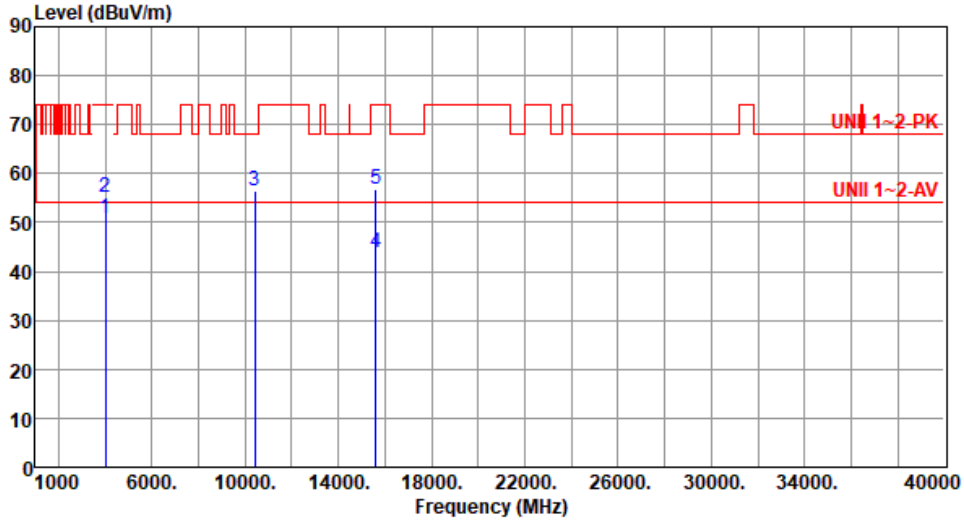
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	42.61	36.59	40.00	-3.41	44.93	-8.34	QP	100	135
2	73.59	36.18	40.00	-3.82	48.27	-12.09	Peak	---	---
3	140.58	34.95	43.50	-8.55	44.31	-9.36	Peak	---	---
4	194.90	36.59	43.50	-6.91	48.27	-11.68	Peak	---	---
5	324.88	33.75	46.00	-12.25	41.27	-7.52	Peak	---	---
6	437.40	35.95	46.00	-10.05	40.46	-4.51	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.

Unwanted Emissions (Above 1GHz)

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5200
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

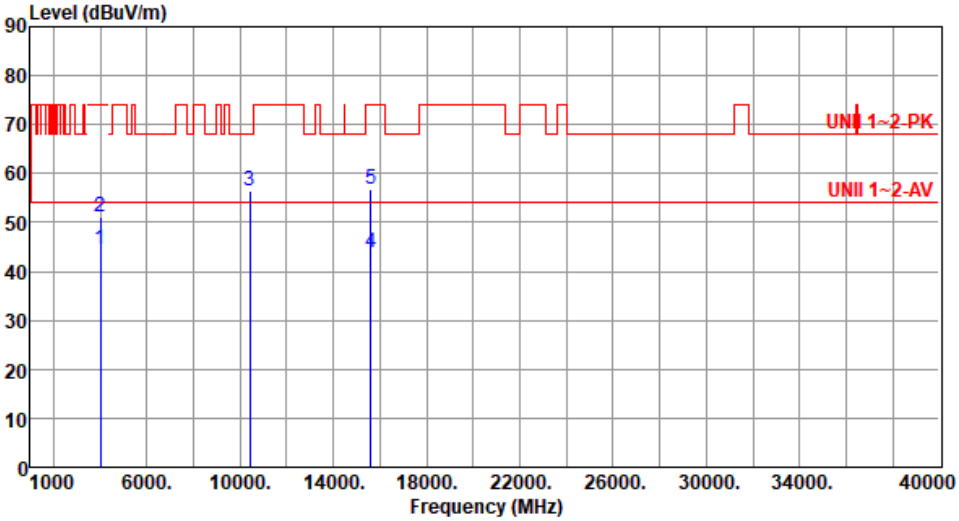


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.78	54.00	-3.22	53.02	-2.24	Average	283	130
2	4000.00	55.18	74.00	-18.82	57.42	-2.24	Peak	283	130
3	10400.00	56.35	68.20	-11.85	49.24	7.11	Peak	100	188
4	15600.00	43.93	54.00	-10.07	40.08	3.85	Average	100	108
5	15600.00	56.76	74.00	-17.24	52.91	3.85	Peak	100	108

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5200
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

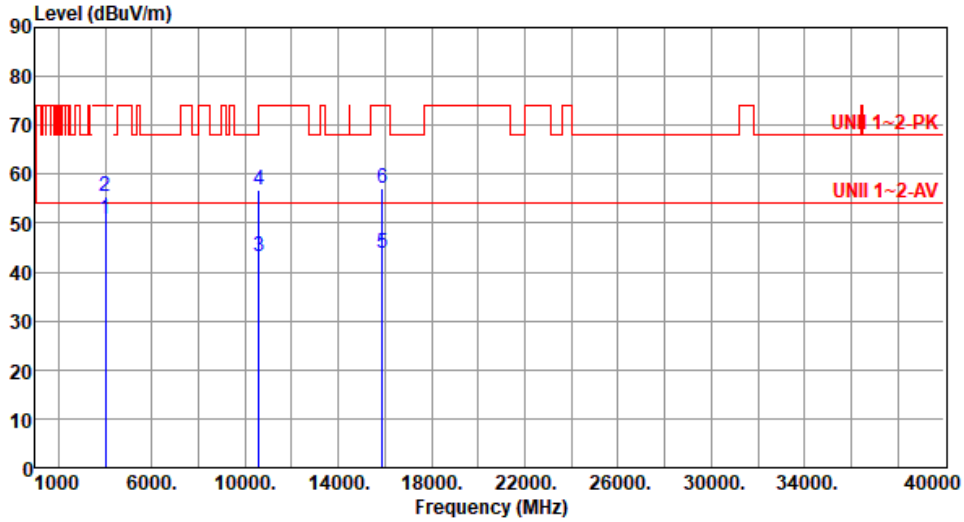


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.47	54.00	-9.53	46.71	-2.24	Average	311	207
2	4000.00	51.10	74.00	-22.90	53.34	-2.24	Peak	311	207
3	10400.00	56.54	68.20	-11.66	49.43	7.11	Peak	100	126
4	15600.00	43.98	54.00	-10.02	40.13	3.85	Average	100	180
5	15600.00	56.80	74.00	-17.20	52.95	3.85	Peak	100	180

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

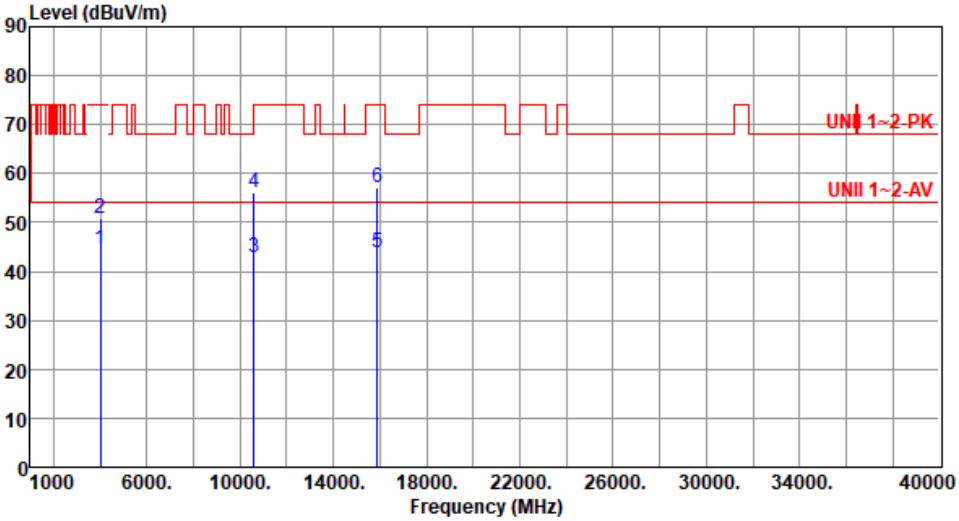


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.86	54.00	-3.14	53.10	-2.24	Average	286	133
2	4000.00	55.34	74.00	-18.66	57.58	-2.24	Peak	286	133
3	10600.00	43.07	54.00	-10.93	35.90	7.17	Average	100	182
4	10600.00	56.75	74.00	-17.25	49.58	7.17	Peak	100	182
5	15900.00	43.91	54.00	-10.09	39.86	4.05	Average	100	107
6	15900.00	57.27	74.00	-16.73	53.22	4.05	Peak	100	107

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

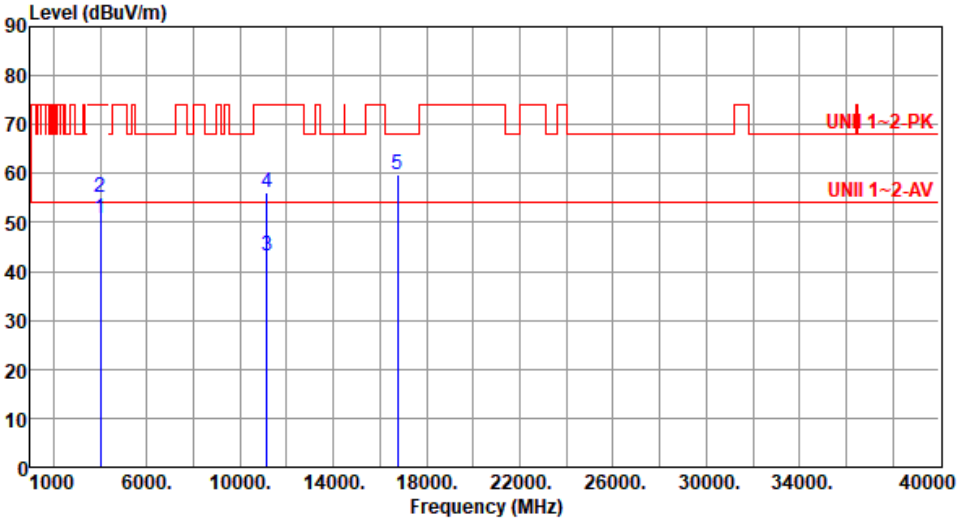


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.48	54.00	-9.52	46.72	-2.24	Average	300	206
2	4000.00	50.97	74.00	-23.03	53.21	-2.24	Peak	300	206
3	10600.00	42.81	54.00	-11.19	35.64	7.17	Average	100	126
4	10600.00	56.28	74.00	-17.72	49.11	7.17	Peak	100	126
5	15900.00	43.90	54.00	-10.10	39.85	4.05	Average	100	192
6	15900.00	57.06	74.00	-16.94	53.01	4.05	Peak	100	192

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

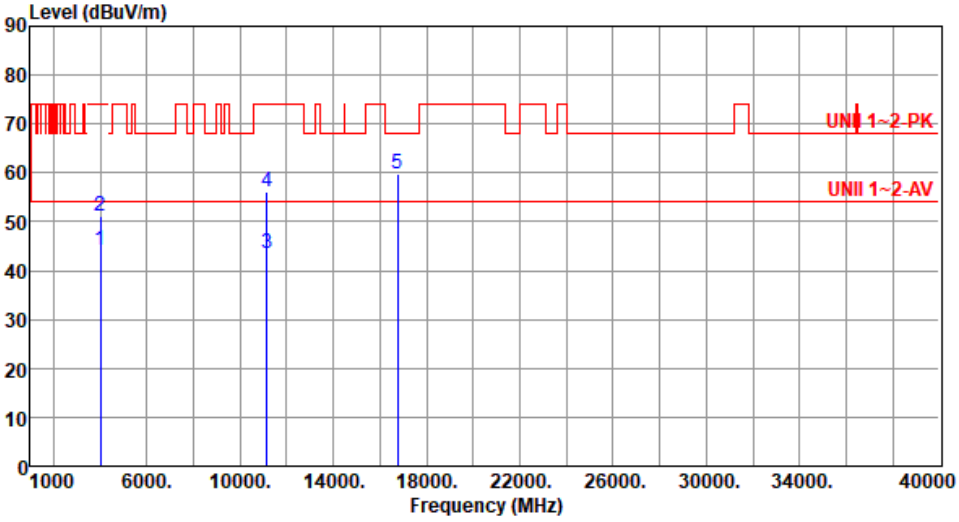


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.74	54.00	-3.26	52.98	-2.24	Average	289	137
2	4000.00	55.18	74.00	-18.82	57.42	-2.24	Peak	289	137
3	11160.00	43.20	54.00	-10.80	36.27	6.93	Average	100	164
4	11160.00	56.28	74.00	-17.72	49.35	6.93	Peak	100	164
5	16740.00	59.65	68.20	-8.55	53.30	6.35	Peak	100	99

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).

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

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

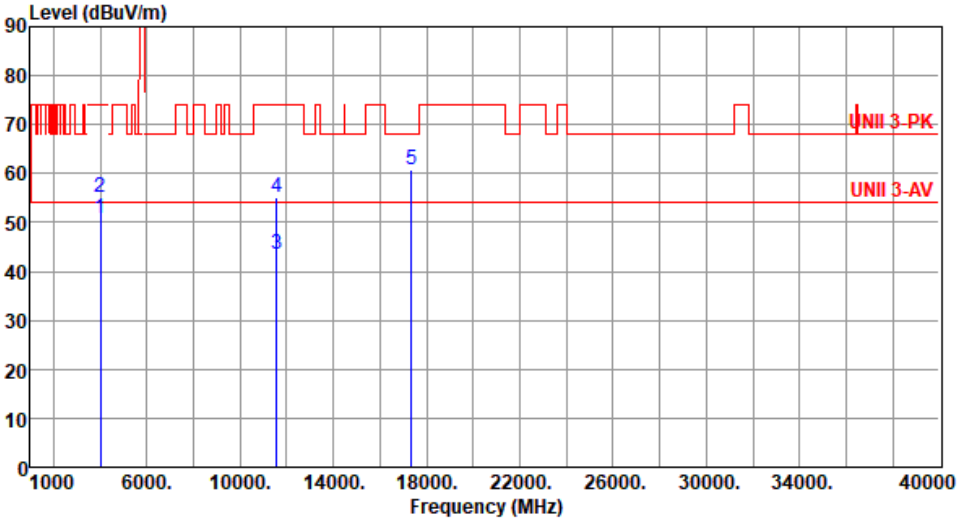


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	44.24	54.00	-9.76	46.48	-2.24	Average	311	206
2	4000.00	51.00	74.00	-23.00	53.24	-2.24	Peak	311	206
3	11160.00	43.36	54.00	-10.64	36.43	6.93	Average	100	118
4	11160.00	56.25	74.00	-17.75	49.32	6.93	Peak	100	118
5	16740.00	59.86	68.20	-8.34	53.51	6.35	Peak	100	83

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62

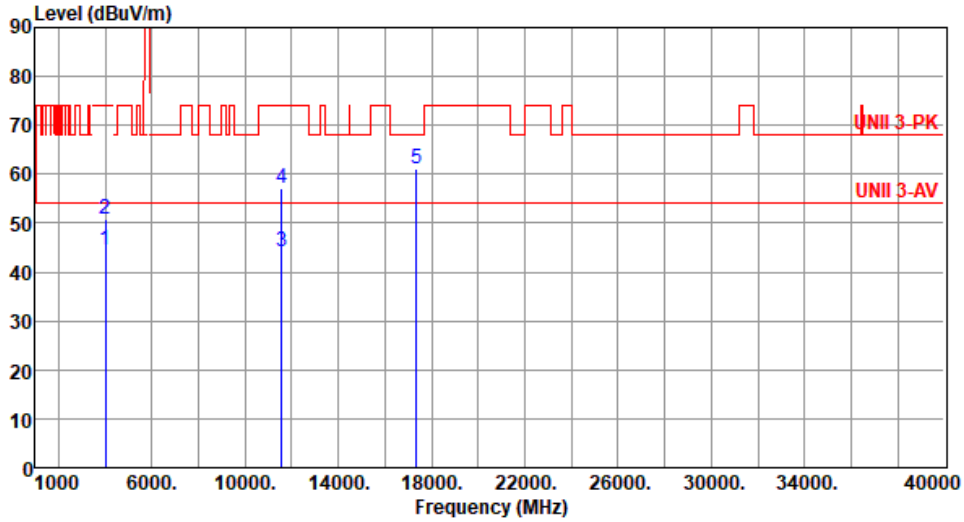


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4000.00	50.83	54.00	-3.17	53.07	-2.24	Average	286	135
2	4000.00	55.18	74.00	-18.82	57.42	-2.24	Peak	286	135
3	11570.00	43.52	54.00	-10.48	36.57	6.95	Average	100	203
4	11570.00	55.18	74.00	-18.82	48.23	6.95	Peak	100	203
5	17355.00	60.75	68.20	-7.45	54.53	6.22	Peak	100	119

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).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):62



	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	4000.00	44.41	54.00	-9.59	46.65	-2.24	Average	308	216
2	4000.00	50.88	74.00	-23.12	53.12	-2.24	Peak	308	216
3	11570.00	44.06	54.00	-9.94	37.11	6.95	Average	100	158
4	11570.00	57.24	74.00	-16.76	50.29	6.95	Peak	100	158
5	17355.00	61.13	68.20	-7.07	54.91	6.22	Peak	100	63

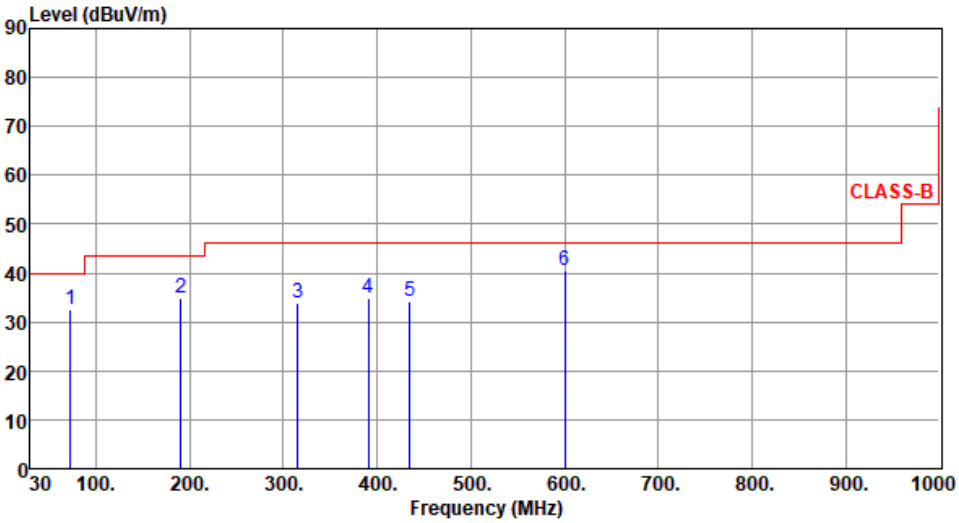
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

ST M.2, SDIO Module

Unwanted Emissions (Below 1GHz)

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

Test By :Paul Lin Temperature(℃):24 Humidity(%):66

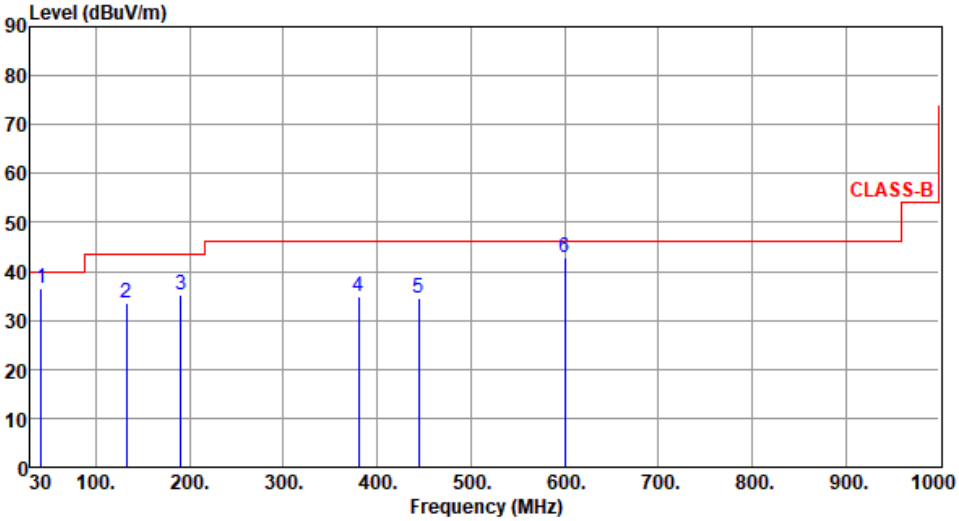


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	72.55	32.41	40.00	-7.59	44.14	-11.73	Peak	---	---
2	191.02	34.88	43.50	-8.62	46.48	-11.60	Peak	---	---
3	315.18	33.83	46.00	-12.17	41.47	-7.64	Peak	---	---
4	390.84	34.87	46.00	-11.13	40.63	-5.76	Peak	---	---
5	434.49	34.20	46.00	-11.80	38.78	-4.58	Peak	---	---
6	600.36	40.36	46.00	-5.64	41.28	-0.92	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-OFDMA	**Test Freq. (MHz)**	5580
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):24 Humidity(%):66

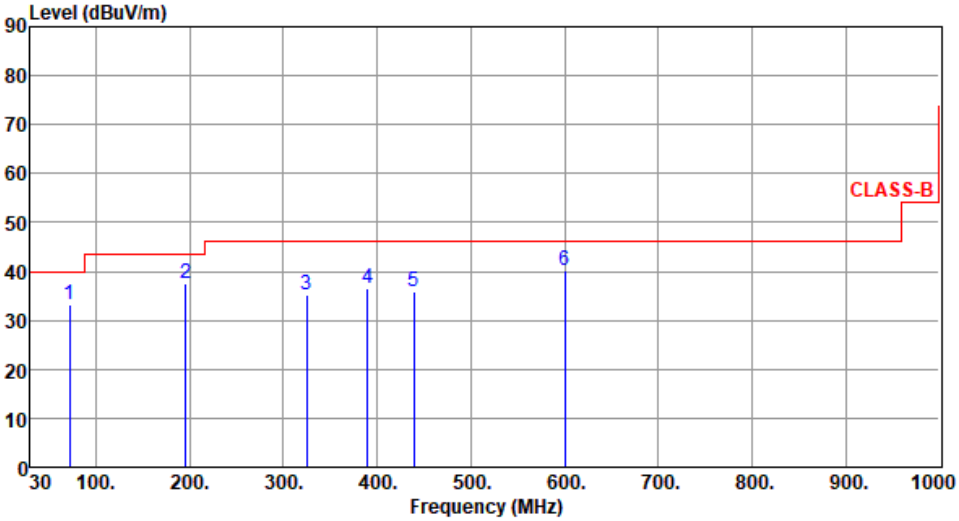


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	41.96	36.58	40.00	-3.42	45.18	-8.60	QP	100	175
2	132.82	33.38	43.50	-10.12	43.52	-10.14	Peak	---	---
3	191.02	35.14	43.50	-8.36	46.74	-11.60	Peak	---	---
4	380.17	34.80	46.00	-11.20	40.82	-6.02	Peak	---	---
5	444.19	34.41	46.00	-11.59	38.77	-4.36	Peak	---	---
6	600.36	42.72	46.00	-3.28	43.64	-0.92	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-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):24 Humidity(%):66

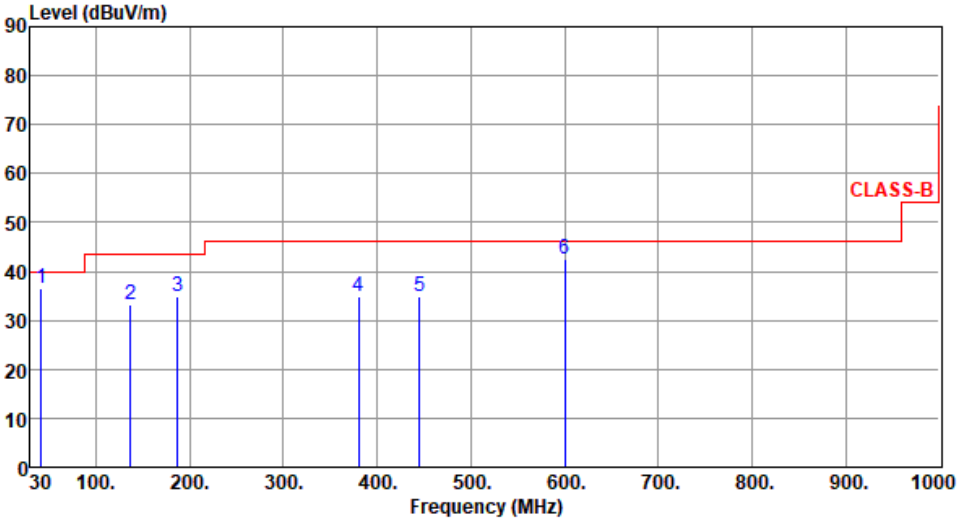


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	72.18	33.35	40.00	-6.65	44.94	-11.59	Peak	---	---
2	195.72	37.68	43.50	-5.82	49.37	-11.69	Peak	---	---
3	325.17	35.27	46.00	-10.73	42.78	-7.51	Peak	---	---
4	390.24	36.51	46.00	-9.49	42.30	-5.79	Peak	---	---
5	438.85	35.92	46.00	-10.08	40.39	-4.47	Peak	---	---
6	600.36	40.34	46.00	-5.66	41.26	-0.92	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-OFDMA	**Test Freq. (MHz)**	5785
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):24 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	41.64	36.41	40.00	-3.59	45.07	-8.66	QP	100	179
2	136.70	33.14	43.50	-10.36	42.90	-9.76	Peak	---	---
3	187.14	34.83	43.50	-8.67	46.07	-11.24	Peak	---	---
4	380.17	34.80	46.00	-11.20	40.82	-6.02	Peak	---	---
5	445.16	34.79	46.00	-11.21	39.13	-4.34	Peak	---	---
6	600.36	42.55	46.00	-3.45	43.47	-0.92	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)			
Temperature (ºC)	**0 minute**	**2 minutes**	**5 minutes**	**10 minutes**
T20°CVmax	-13.02	-12.49	-12.90	-13.26
T20°CVmin	-13.58	-13.80	-13.23	-13.75
T85°CVnom	15.38	16.21	15.41	15.46
T80°CVnom	16.51	17.19	16.52	16.47
T70°CVnom	16.28	16.75	16.36	16.22
T60°CVnom	14.72	14.93	14.51	14.88
T50°CVnom	12.45	12.67	12.44	12.78
T40°CVnom	6.51	6.90	6.53	6.38
T30°CVnom	-4.43	-4.56	-4.59	-4.13
T20°CVnom	-14.15	-14.14	-13.65	-13.90
T10°CVnom	-12.08	-11.91	-11.43	-12.13
T0°CVnom	-9.25	-9.25	-9.24	-8.92
T-10°CVnom	-2.72	-2.46	-2.44	-2.12
T-20°CVnom	-2.87	-2.95	-3.01	-2.96
T-30°CVnom	-1.66	-0.93	-2.07	-1.73
T-40°CVnom	-0.92	-0.59	-0.45	-0.76

Vnom [V]: 3.3	Vmax [V]: 3.795	Vmin [V]: 2.805
Tnom [°C]: 20	Tmax [°C]: 85	Tmin [°C]: -40

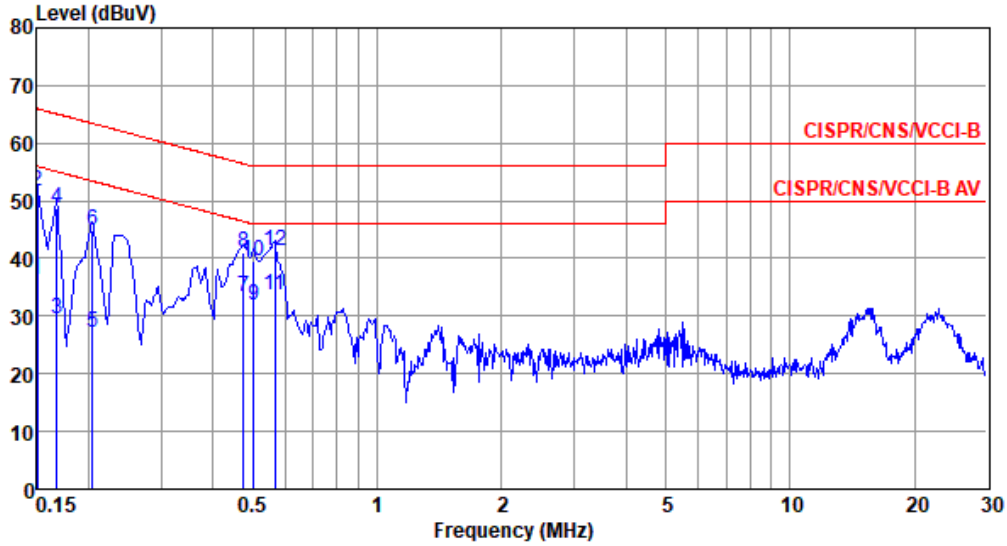
Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (ºC)	**0 minute**	**2 minutes**	**5 minutes**	**10 minutes**
T20°CVmax	-10.72	-10.28	-10.42	-10.80
T20°CVmin	-11.06	-11.10	-11.09	-11.52
T85°CVnom	14.87	15.02	15.31	14.91
T80°CVnom	16.51	17.12	16.67	17.13
T70°CVnom	14.71	14.68	15.32	15.52
T60°CVnom	14.04	14.72	14.27	14.32
T50°CVnom	11.91	11.69	12.25	12.59
T40°CVnom	6.57	6.55	6.71	7.22
T30°CVnom	-6.14	-5.97	-6.22	-5.83
T20°CVnom	-11.93	-11.80	-11.46	-11.60
T10°CVnom	-9.40	-9.36	-9.47	-8.89
T0°CVnom	-8.25	-8.51	-7.91	-7.72
T-10°CVnom	-6.48	-6.39	-6.66	-6.91
T-20°CVnom	-2.82	-2.62	-3.04	-2.36
T-30°CVnom	-1.88	-1.77	-1.76	-2.04
T-40°CVnom	-0.95	-0.90	-1.23	-0.55

Vnom [V]: 3.3	Vmax [V]: 3.795	Vmin [V]: 2.805
Tnom [°C]: 20	Tmax [°C]: 85	Tmin [°C]: -40

SC Module with PCB Dipole antenna

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5580
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

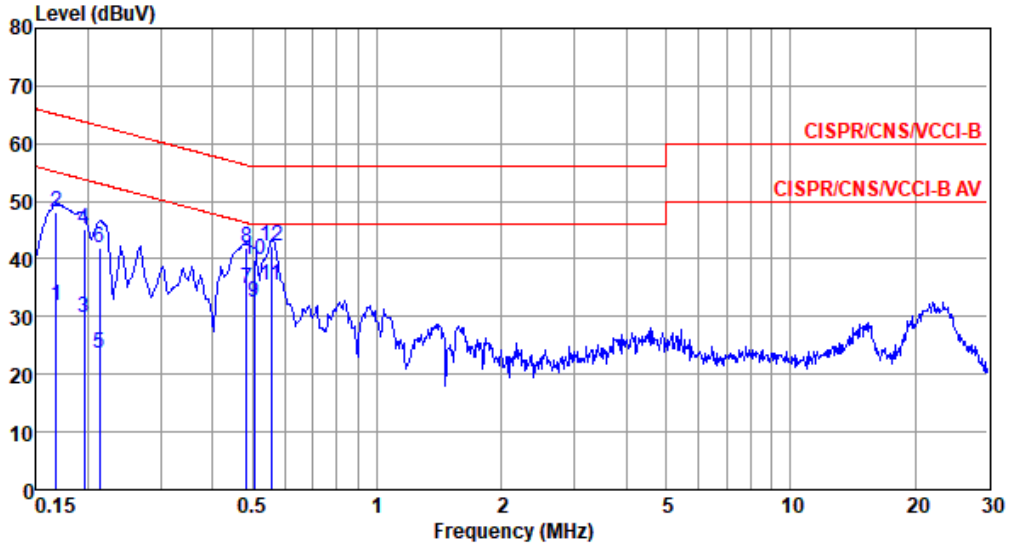


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.150	36.38	56.00	-19.62	26.51	9.63	0.06	0.18	Average
2	0.150	51.55	66.00	-14.45	41.68	9.63	0.06	0.18	QP
3	0.168	29.50	55.08	-25.58	19.63	9.63	0.06	0.18	Average
4	0.168	48.74	65.08	-16.34	38.87	9.63	0.06	0.18	QP
5	0.204	27.11	53.45	-26.34	17.24	9.62	0.06	0.19	Average
6	0.204	44.91	63.45	-18.54	35.04	9.62	0.06	0.19	QP
7	0.474	33.33	46.45	-13.12	23.33	9.62	0.07	0.31	Average
8	0.474	41.11	56.45	-15.34	31.11	9.62	0.07	0.31	QP
9	0.502	31.91	46.00	-14.09	21.91	9.62	0.07	0.31	Average
10	0.502	39.58	56.00	-16.42	29.58	9.62	0.07	0.31	QP
11*	0.564	33.80	46.00	-12.20	23.79	9.62	0.08	0.31	Average
12	0.564	41.39	56.00	-14.61	31.38	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5580
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

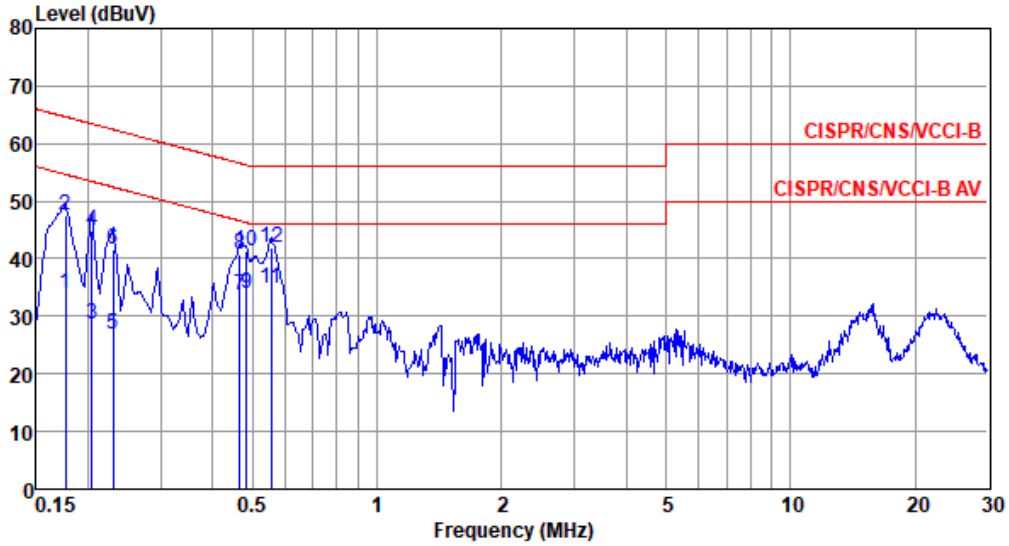


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.168	31.77	55.08	-23.31	21.90	9.63	0.06	0.18	Average
2	0.168	48.21	65.08	-16.87	38.34	9.63	0.06	0.18	QP
3	0.195	29.95	53.80	-23.85	20.07	9.63	0.06	0.19	Average
4	0.195	45.26	63.80	-18.54	35.38	9.63	0.06	0.19	QP
5	0.213	23.66	53.10	-29.44	13.77	9.63	0.06	0.20	Average
6	0.213	41.88	63.10	-21.22	31.99	9.63	0.06	0.20	QP
7	0.484	34.74	46.27	-11.53	24.74	9.62	0.07	0.31	Average
8	0.484	41.92	56.27	-14.35	31.92	9.62	0.07	0.31	QP
9	0.505	32.43	46.00	-13.57	22.43	9.62	0.07	0.31	Average
10	0.505	39.88	56.00	-16.12	29.88	9.62	0.07	0.31	QP
11*	0.555	35.47	46.00	-10.53	25.46	9.62	0.08	0.31	Average
12	0.555	42.25	56.00	-13.75	32.24	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

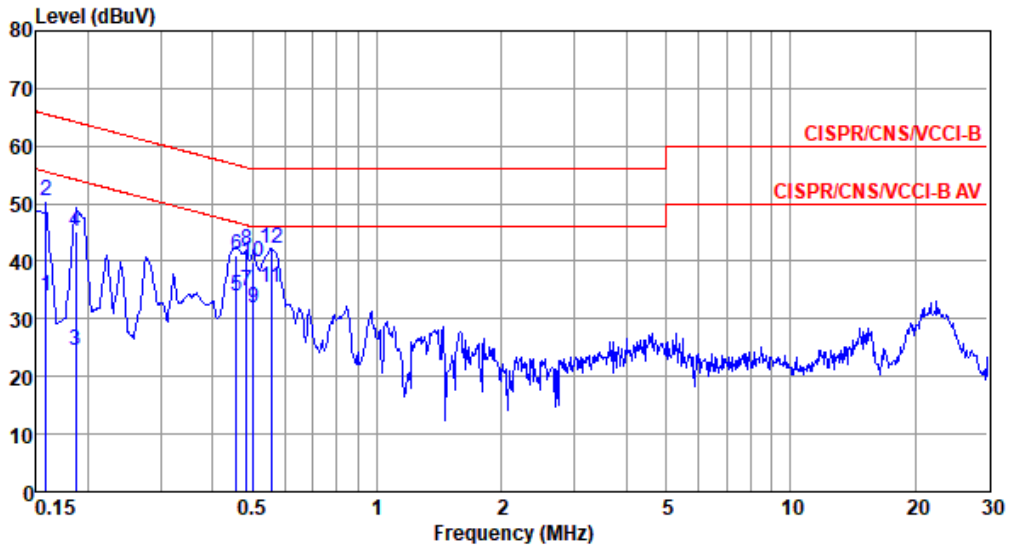


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.177	33.90	54.64	-20.74	24.03	9.62	0.06	0.19	Average
2	0.177	47.53	64.64	-17.11	37.66	9.62	0.06	0.19	QP
3	0.204	28.72	53.45	-24.73	18.85	9.62	0.06	0.19	Average
4	0.204	44.75	63.45	-18.70	34.88	9.62	0.06	0.19	QP
5	0.230	26.77	52.44	-25.67	16.88	9.62	0.06	0.21	Average
6	0.230	41.52	62.44	-20.92	31.63	9.62	0.06	0.21	QP
7	0.466	33.55	46.58	-13.03	23.55	9.62	0.07	0.31	Average
8	0.466	40.73	56.58	-15.85	30.73	9.62	0.07	0.31	QP
9	0.484	34.08	46.27	-12.19	24.08	9.62	0.07	0.31	Average
10	0.484	41.20	56.27	-15.07	31.20	9.62	0.07	0.31	QP
11*	0.555	34.94	46.00	-11.06	24.93	9.62	0.08	0.31	Average
12	0.555	42.04	56.00	-13.96	32.03	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 68%



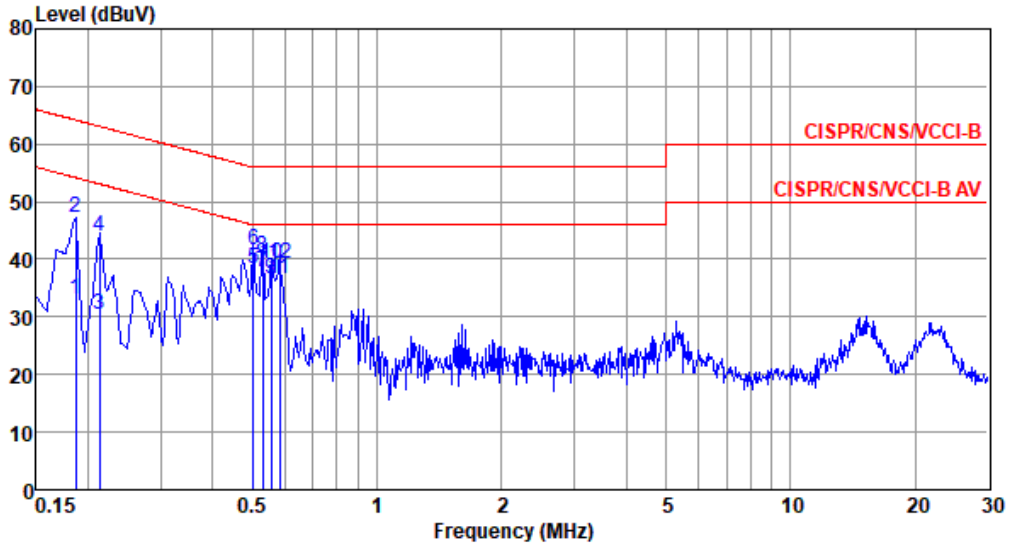
	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.158	33.87	55.56	-21.69	24.00	9.63	0.06	0.18	Average
2	0.158	50.53	65.56	-15.03	40.66	9.63	0.06	0.18	QP
3	0.186	24.52	54.20	-29.68	14.64	9.63	0.06	0.19	Average
4	0.186	45.19	64.20	-19.01	35.31	9.63	0.06	0.19	QP
5	0.456	33.98	46.76	-12.78	23.99	9.62	0.07	0.30	Average
6	0.456	41.09	56.76	-15.67	31.10	9.62	0.07	0.30	QP
7	0.484	34.78	46.27	-11.49	24.78	9.62	0.07	0.31	Average
8	0.484	41.87	56.27	-14.40	31.87	9.62	0.07	0.31	QP
9	0.502	31.97	46.00	-14.03	21.97	9.62	0.07	0.31	Average
10	0.502	39.97	56.00	-16.03	29.97	9.62	0.07	0.31	QP
11*	0.555	35.32	46.00	-10.68	25.31	9.62	0.08	0.31	Average
12	0.555	42.24	56.00	-13.76	32.23	9.62	0.08	0.31	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).

ST M.2, SDIO Module with PCB Dipole antenna

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5580
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

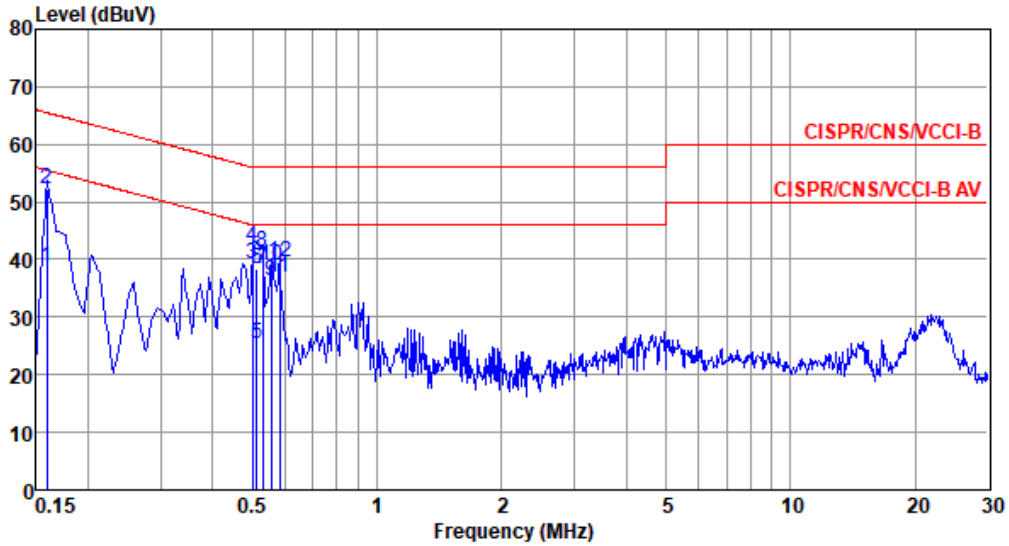


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.186	32.96	54.20	-21.24	23.09	9.62	0.06	0.19	Average
2	0.186	47.18	64.20	-17.02	37.31	9.62	0.06	0.19	QP
3	0.213	30.38	53.10	-22.72	20.50	9.62	0.06	0.20	Average
4	0.213	44.07	63.10	-19.03	34.19	9.62	0.06	0.20	QP
5*	0.502	38.38	46.00	-7.62	28.38	9.62	0.07	0.31	Average
6	0.502	41.61	56.00	-14.39	31.61	9.62	0.07	0.31	QP
7	0.529	37.70	46.00	-8.30	27.69	9.62	0.08	0.31	Average
8	0.529	40.52	56.00	-15.48	30.51	9.62	0.08	0.31	QP
9	0.555	36.68	46.00	-9.32	26.67	9.62	0.08	0.31	Average
10	0.555	39.31	56.00	-16.69	29.30	9.62	0.08	0.31	QP
11	0.582	36.55	46.00	-9.45	26.54	9.62	0.08	0.31	Average
12	0.582	39.16	56.00	-16.84	29.15	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5580
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

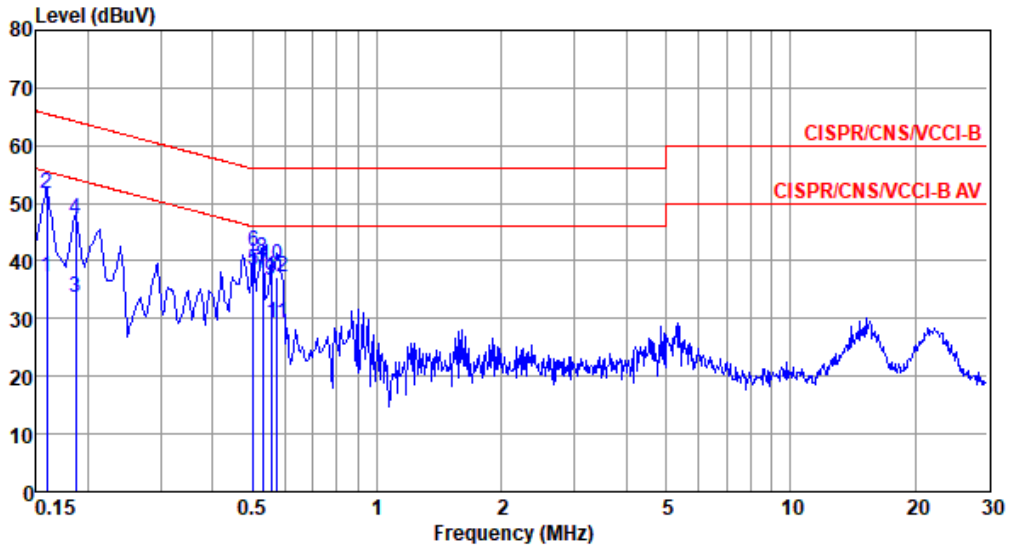


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.159	38.70	55.52	-16.82	28.83	9.63	0.06	0.18	Average
2	0.159	52.36	65.52	-13.16	42.49	9.63	0.06	0.18	QP
3*	0.500	39.38	46.00	-6.62	29.38	9.62	0.07	0.31	Average
4	0.500	42.36	56.00	-13.64	32.36	9.62	0.07	0.31	QP
5	0.513	25.51	46.00	-20.49	15.51	9.62	0.07	0.31	Average
6	0.513	38.24	56.00	-17.76	28.24	9.62	0.07	0.31	QP
7	0.529	38.37	46.00	-7.63	28.36	9.62	0.08	0.31	Average
8	0.529	41.19	56.00	-14.81	31.18	9.62	0.08	0.31	QP
9	0.555	36.39	46.00	-9.61	26.38	9.62	0.08	0.31	Average
10	0.555	38.99	56.00	-17.01	28.98	9.62	0.08	0.31	QP
11	0.582	36.99	46.00	-9.01	26.98	9.62	0.08	0.31	Average
12	0.582	39.62	56.00	-16.38	29.61	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

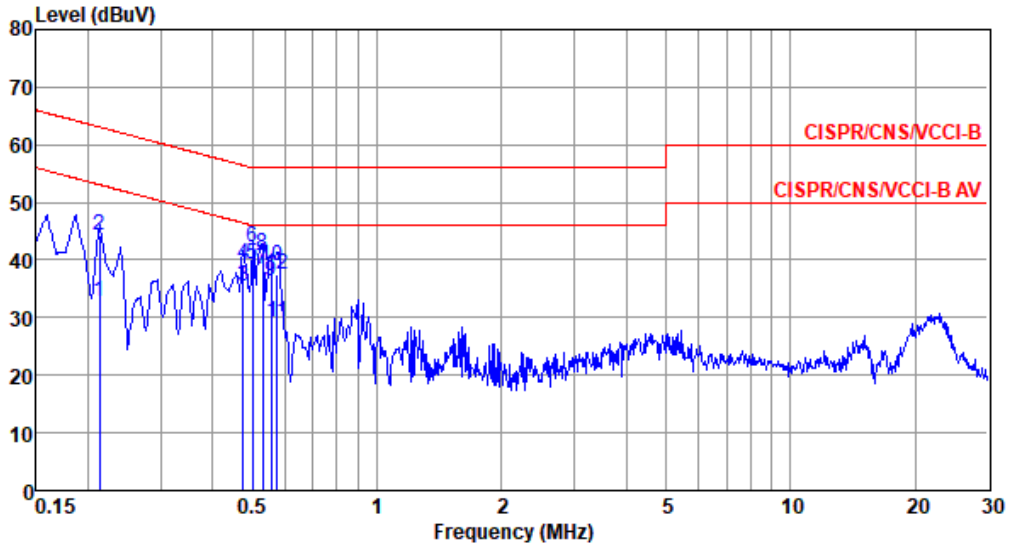


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.159	37.15	55.52	-18.37	27.28	9.63	0.06	0.18	Average
2	0.159	51.80	65.52	-13.72	41.93	9.63	0.06	0.18	QP
3	0.186	33.67	54.20	-20.53	23.80	9.62	0.06	0.19	Average
4	0.186	47.26	64.20	-16.94	37.39	9.62	0.06	0.19	QP
5*	0.502	38.46	46.00	-7.54	28.46	9.62	0.07	0.31	Average
6	0.502	41.62	56.00	-14.38	31.62	9.62	0.07	0.31	QP
7	0.529	37.67	46.00	-8.33	27.66	9.62	0.08	0.31	Average
8	0.529	40.56	56.00	-15.44	30.55	9.62	0.08	0.31	QP
9	0.555	36.68	46.00	-9.32	26.67	9.62	0.08	0.31	Average
10	0.555	39.29	56.00	-16.71	29.28	9.62	0.08	0.31	QP
11	0.573	29.10	46.00	-16.90	19.09	9.62	0.08	0.31	Average
12	0.573	37.19	56.00	-18.81	27.18	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 68%



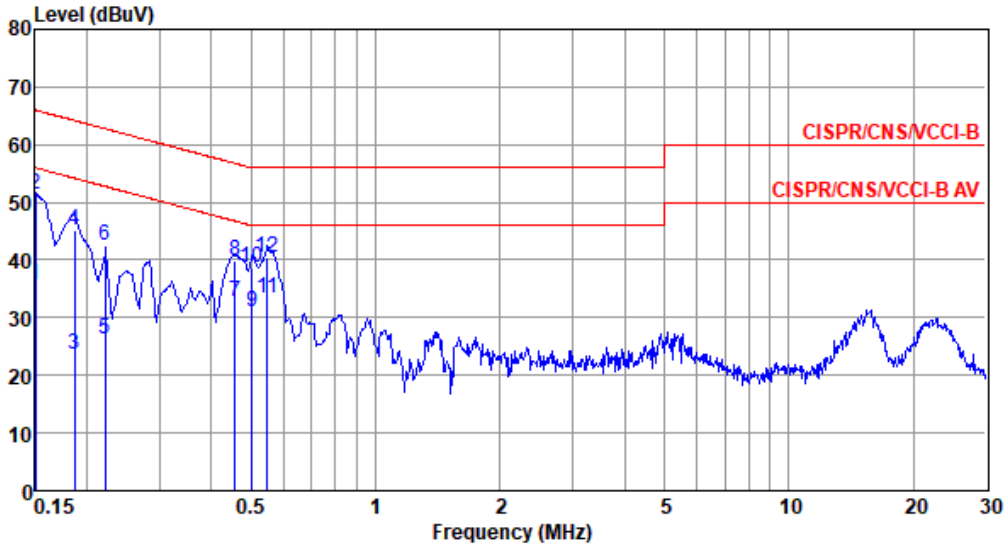
	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.213	32.64	53.10	-20.46	22.75	9.63	0.06	0.20	Average
2	0.213	44.39	63.10	-18.71	34.50	9.63	0.06	0.20	QP
3	0.474	35.44	46.45	-11.01	25.44	9.62	0.07	0.31	Average
4	0.474	39.23	56.45	-17.22	29.23	9.62	0.07	0.31	QP
5*	0.500	39.20	46.00	-6.80	29.20	9.62	0.07	0.31	Average
6	0.500	42.36	56.00	-13.64	32.36	9.62	0.07	0.31	QP
7	0.529	38.30	46.00	-7.70	28.29	9.62	0.08	0.31	Average
8	0.529	41.14	56.00	-14.86	31.13	9.62	0.08	0.31	QP
9	0.555	36.34	46.00	-9.66	26.33	9.62	0.08	0.31	Average
10	0.555	38.98	56.00	-17.02	28.97	9.62	0.08	0.31	QP
11	0.573	29.33	46.00	-16.67	19.32	9.62	0.08	0.31	Average
12	0.573	37.60	56.00	-18.40	27.59	9.62	0.08	0.31	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).

ST M.2, PCIe Module with PCB Dipole antenna

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5580
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

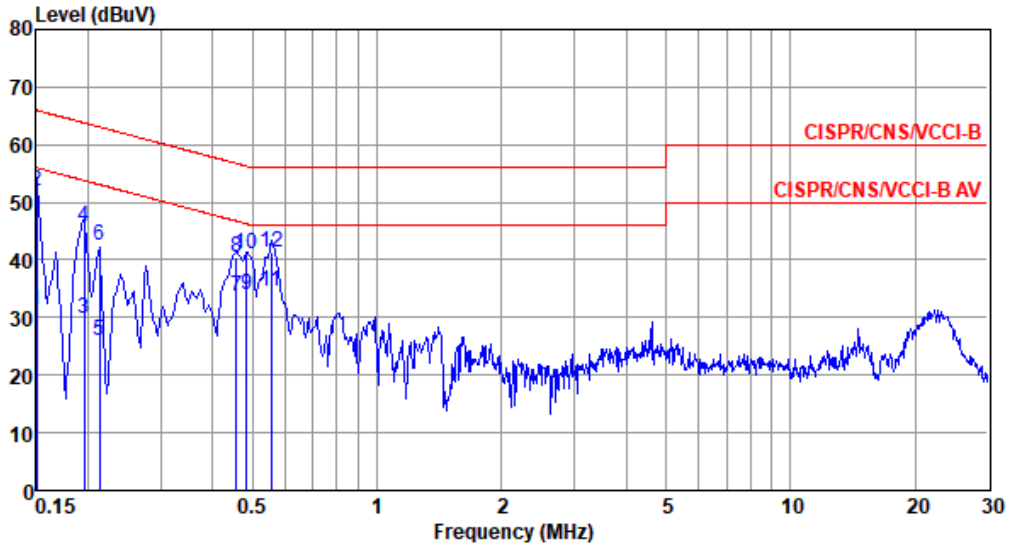


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.150	35.79	56.00	-20.21	25.92	9.63	0.06	0.18	Average
2	0.150	51.43	66.00	-14.57	41.56	9.63	0.06	0.18	QP
3	0.186	23.74	54.20	-30.46	13.87	9.62	0.06	0.19	Average
4	0.186	45.29	64.20	-18.91	35.42	9.62	0.06	0.19	QP
5	0.222	26.36	52.74	-26.38	16.47	9.62	0.06	0.21	Average
6	0.222	42.61	62.74	-20.13	32.72	9.62	0.06	0.21	QP
7	0.456	32.74	46.76	-14.02	22.75	9.62	0.07	0.30	Average
8	0.456	39.72	56.76	-17.04	29.73	9.62	0.07	0.30	QP
9	0.502	31.05	46.00	-14.95	21.05	9.62	0.07	0.31	Average
10	0.502	38.69	56.00	-17.31	28.69	9.62	0.07	0.31	QP
11*	0.546	33.46	46.00	-12.54	23.45	9.62	0.08	0.31	Average
12	0.546	40.52	56.00	-15.48	30.51	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5580
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

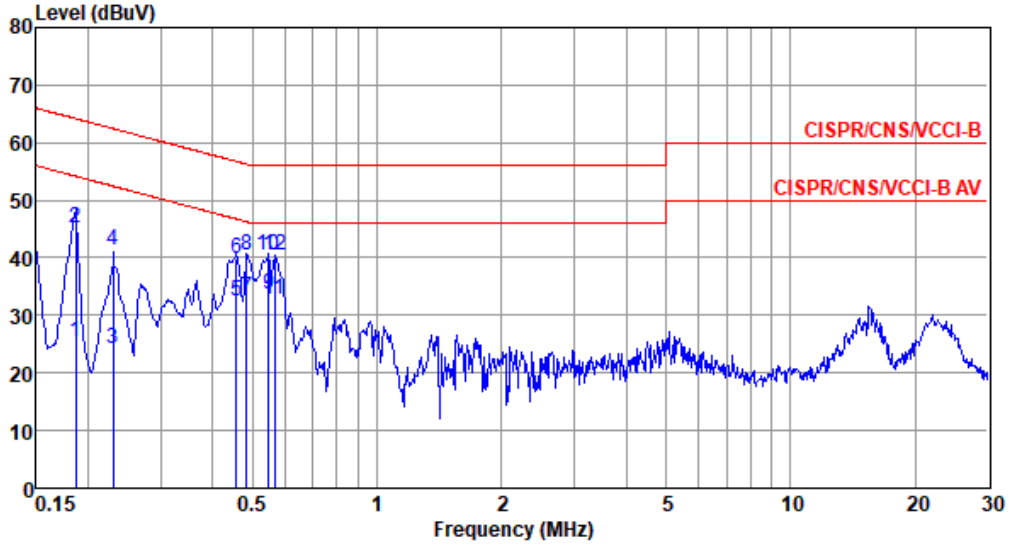


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.150	31.39	56.00	-24.61	21.52	9.63	0.06	0.18	Average
2	0.150	51.89	66.00	-14.11	42.02	9.63	0.06	0.18	QP
3	0.195	29.82	53.80	-23.98	19.94	9.63	0.06	0.19	Average
4	0.195	45.82	63.80	-17.98	35.94	9.63	0.06	0.19	QP
5	0.213	26.10	53.10	-27.00	16.21	9.63	0.06	0.20	Average
6	0.213	42.41	63.10	-20.69	32.52	9.63	0.06	0.20	QP
7	0.456	33.51	46.76	-13.25	23.52	9.62	0.07	0.30	Average
8	0.456	40.35	56.76	-16.41	30.36	9.62	0.07	0.30	QP
9	0.484	33.88	46.27	-12.39	23.88	9.62	0.07	0.31	Average
10	0.484	41.08	56.27	-15.19	31.08	9.62	0.07	0.31	QP
11*	0.555	34.61	46.00	-11.39	24.60	9.62	0.08	0.31	Average
12	0.555	41.42	56.00	-14.58	31.41	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 68%

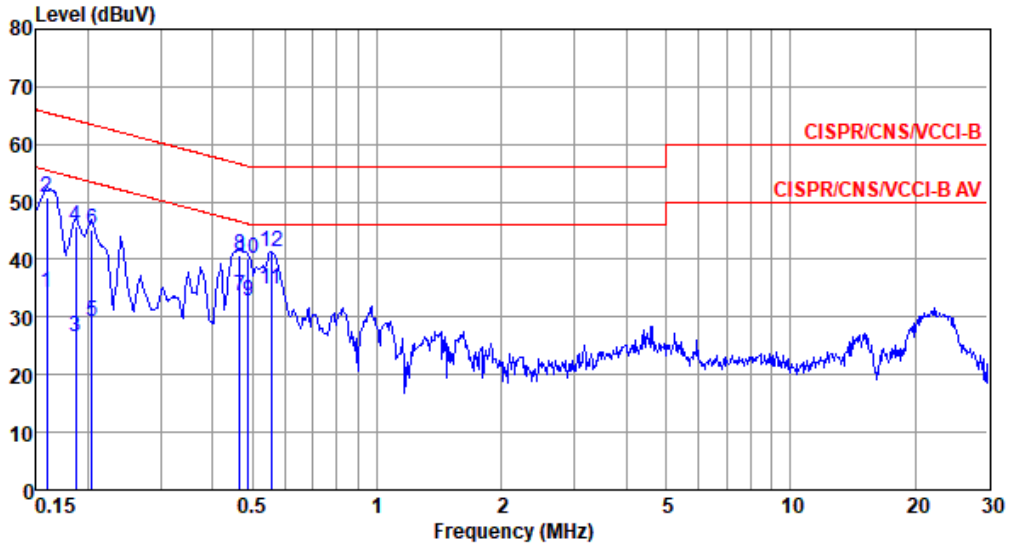


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.186	25.45	54.20	-28.75	15.58	9.62	0.06	0.19	Average
2	0.186	45.10	64.20	-19.10	35.23	9.62	0.06	0.19	QP
3	0.230	24.17	52.44	-28.27	14.28	9.62	0.06	0.21	Average
4	0.230	41.45	62.44	-20.99	31.56	9.62	0.06	0.21	QP
5	0.456	32.58	46.76	-14.18	22.59	9.62	0.07	0.30	Average
6	0.456	39.74	56.76	-17.02	29.75	9.62	0.07	0.30	QP
7	0.484	33.16	46.27	-13.11	23.16	9.62	0.07	0.31	Average
8	0.484	40.39	56.27	-15.88	30.39	9.62	0.07	0.31	QP
9*	0.546	33.59	46.00	-12.41	23.58	9.62	0.08	0.31	Average
10	0.546	40.58	56.00	-15.42	30.57	9.62	0.08	0.31	QP
11	0.564	32.89	46.00	-13.11	22.88	9.62	0.08	0.31	Average
12	0.564	40.38	56.00	-15.62	30.37	9.62	0.08	0.31	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	ax HE20-OFDMA	**Test Freq. (MHz)**	5785
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 68%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.159	34.30	55.52	-21.22	24.43	9.63	0.06	0.18	Average
2	0.159	50.89	65.52	-14.63	41.02	9.63	0.06	0.18	QP
3	0.186	26.69	54.20	-27.51	16.81	9.63	0.06	0.19	Average
4	0.186	45.74	64.20	-18.46	35.86	9.63	0.06	0.19	QP
5	0.204	29.23	53.45	-24.22	19.35	9.63	0.06	0.19	Average
6	0.204	45.04	63.45	-18.41	35.16	9.63	0.06	0.19	QP
7	0.466	33.58	46.58	-13.00	23.58	9.62	0.07	0.31	Average
8	0.466	40.73	56.58	-15.85	30.73	9.62	0.07	0.31	QP
9	0.489	32.62	46.19	-13.57	22.62	9.62	0.07	0.31	Average
10	0.489	40.15	56.19	-16.04	30.15	9.62	0.07	0.31	QP
11*	0.555	34.70	46.00	-11.30	24.69	9.62	0.08	0.31	Average
12	0.555	41.40	56.00	-14.60	31.39	9.62	0.08	0.31	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).