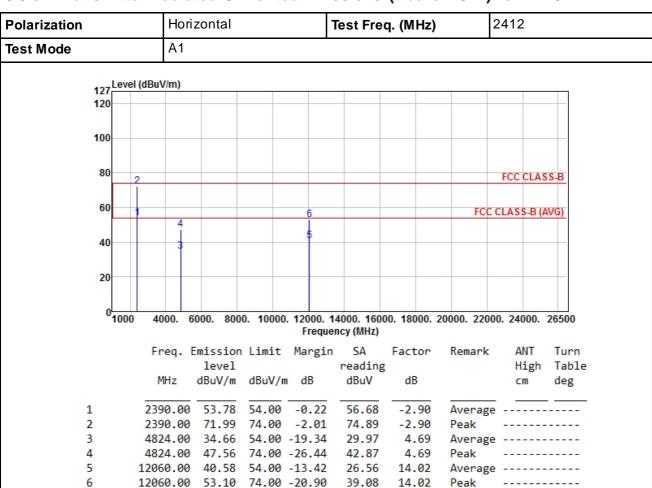
No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT20



Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peakmeasurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition

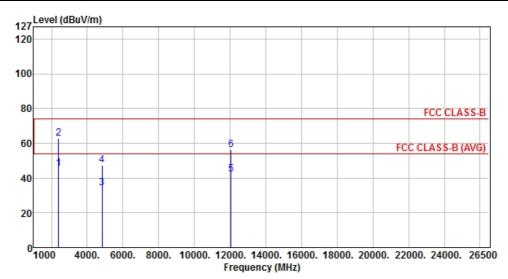
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 63 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

PolarizationVerticalTest Freq. (MHz)2412Test ModeA1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Ü	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	45.41	54.00	-8.59	48.31	-2.90	Average		
2	2390.00	62.64	74.00	-11.36	65.54	-2.90	Peak		
3	4824.00	34.15	54.00	-19.85	29.46	4.69	Average		
4	4824.00	47.32	74.00	-26.68	42.63	4.69	Peak		
5	12060.00	41.96	54.00	-12.04	27.94	14.02	Average		
6	12060.00	56.12	74.00	-17.88	42.10	14.02	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

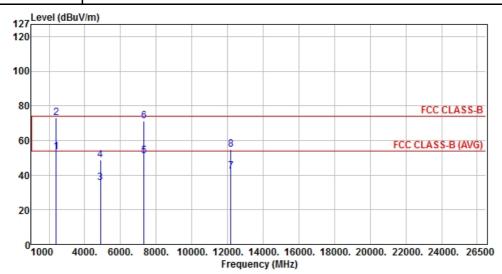
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 64 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Horizontal	Test Freq. (MHz)	2437
Test Mode	A1		



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2390.00	53.56	54.00	-0.44	56.46	-2.90	Average		
2	2390.00	73.26	74.00	-0.74	76.16	-2.90	Peak		
3	4874.00	35.77	54.00	-18.23	31.00	4.77	Average		
4	4874.00	48.78	74.00	-25.22	44.01	4.77	Peak		
5	7311.00	50.86	54.00	-3.14	41.29	9.57	Average		
6	7311.00	71.16	74.00	-2.84	61.59	9.57	Peak		
7	12185.00	42.16	54.00	-11.84	28.04	14.12	Average		
8	12185.00	54.92	74.00	-19.08	40.80	14.12	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

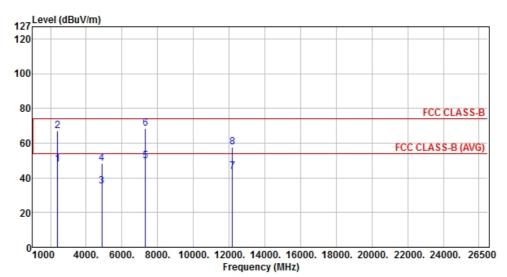
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 65 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Vertical	Test Freq. (MHz)	2437
Test Mode	A1		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Ū	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	47.91	54.00	-6.09	50.81	-2.90	Average		
2	2390.00		74.00	-6.91	69.99	-2.90			
3	4874.00	35.27	54.00	-18.73	30.50	4.77	Average		
4	4874.00	48.49	74.00	-25.51	43.72	4.77	Peak		
5	7311.00	49.56	54.00	-4.44	39.99	9.57	Average		
6	7311.00	68.27	74.00	-5.73	58.70	9.57	Peak		
7	12185.00	43.62	54.00	-10.38	29.50	14.12	Average		
8	12185.00	57.82	74.00	-16.18	43.70	14.12	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

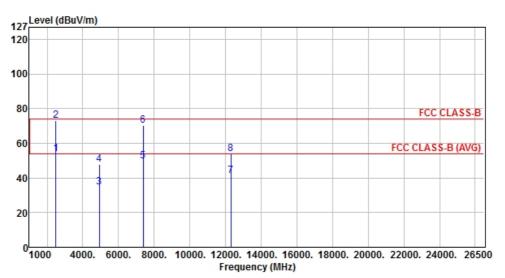
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 66 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Horizontal	Test Freq. (MHz)	2462
Test Mode	A1		



		Emission level		Ū	reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	ав	dBuV	dB		CM	deg
1	2483.50	53.85	54.00	-0.15	56.27	-2.42	Average		
2	2483.50	73.19	74.00	-0.81	75.61	-2.42	Peak		
3	4924.00	34.72	54.00	-19.28	29.86	4.86	Average		
4	4924.00	47.77	74.00	-26.23	42.91	4.86	Peak		
5	7386.00	49.68	54.00	-4.32	40.00	9.68	Average		
6	7386.00	70.35	74.00	-3.65	60.67	9.68	Peak		
7	12310.00	41.21	54.00	-12.79	26.99	14.22	Average		
8	12310.00	53.98	74.00	-20.02	39.76	14.22	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

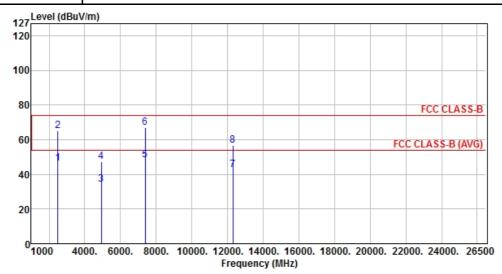
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 67 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Vertical	Test Freq. (MHz)	2462
Test Mode	A1		



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2483.50	46.28	54.00	-7.72	48.70	-2.42	Average		
2	2483.50	65.28	74.00	-8.72	67.70	-2.42	Peak		
3	4924.00	34.25	54.00	-19.75	29.39	4.86	Average		
4	4924.00	47.44	74.00	-26.56	42.58	4.86	Peak		
5	7386.00	48.35	54.00	-5.65	38.67	9.68	Average		
6	7386.00	67.15	74.00	-6.85	57.47	9.68	Peak		
7	12310.00	42.51	54.00	-11.49	28.29	14.22	Average		
8	12310.00	56.77	74.00	-17.23	42.55	14.22	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

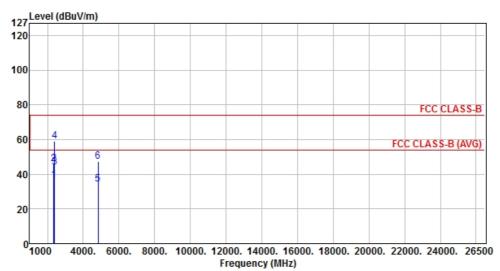
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 68 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Horizontal	Test Freq. (MHz)	2412
Test Mode	A2		



	Freq.	Emission	Limit	Margin		Factor	Remark	ANT	Turn
		level			reading			High	Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2360.00	36.58	54.00	-17.42	39.62	-3.04	Average		
2	2360.00	45.96	74.00	-28.04	49.00	-3.04	Peak		
3	2390.00	44.22	54.00	-9.78	47.10	-2.88	Average		
4	2390.00	59.14	74.00	-14.86	62.02	-2.88	Peak		
5	4824.00	34.43	54.00	-19.57	29.74	4.69	Average		
6	4824.00	47.55	74.00	-26.45	42.86	4.69	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

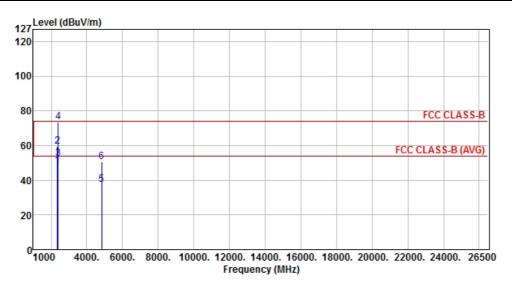
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 69 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Vertical	Test Freq. (MHz)	2412
Test Mode	A2		



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2360.00	48.35	54 00	_5 65	51.39	-3.04	Average		
2		59.35			62.39	-3.04	Peak		
3	2390.00	52.55	54.00	-1.45	55.43	-2.88	Average		
4	2390.00	73.78	74.00	-0.22	76.66	-2.88	Peak		
5	4824.00	37.51	54.00	-16.49	32.82	4.69	Average		
6	4824.00	50.61	74.00	-23.39	45.92	4.69	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

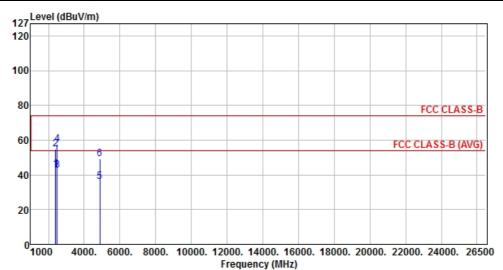
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 70 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Horizontal	Test Freq. (MHz)	2437
Test Mode	A2		



	Freq.	Emission	Limit	Margin		Factor	Remark	ANT	Turn
		level			reading			High	Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2390.00	43.22	54.00	-10.78	46.10	-2.88	Average		
2	2390.00	54.92	74.00	-19.08	57.80	-2.88	Peak		
3	2483.50	42.79	54.00	-11.21	45.22	-2.43	Average		
4	2483.50	57.87	74.00	-16.13	60.30	-2.43	Peak		
5	4874.00	36.12	54.00	-17.88	31.35	4.77	Average		
6	4874.00	49.21	74.00	-24.79	44.44	4.77	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

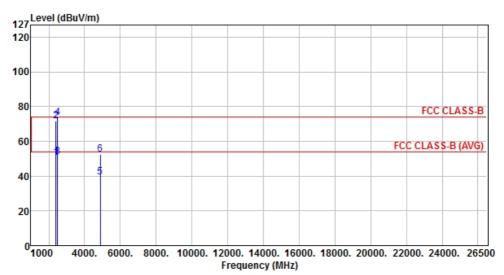
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 71 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Vertical	Test Freq. (MHz)	2437
Test Mode	A2		



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2390.00	50.72	54.00	-3.28	53.60	-2.88	Average		
2	2390.00	71.83	74.00	-2.17	74.71	-2.88	Peak		
3	2483.50	51.17	54.00	-2.83	53.60	-2.43	Average		
4	2483.50	73.80	74.00	-0.20	76.23	-2.43	Peak		
5	4874.00	39.16	54.00	-14.84	34.39	4.77	Average		
6	4874.00	52.26	74.00	-21.74	47.49	4.77	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

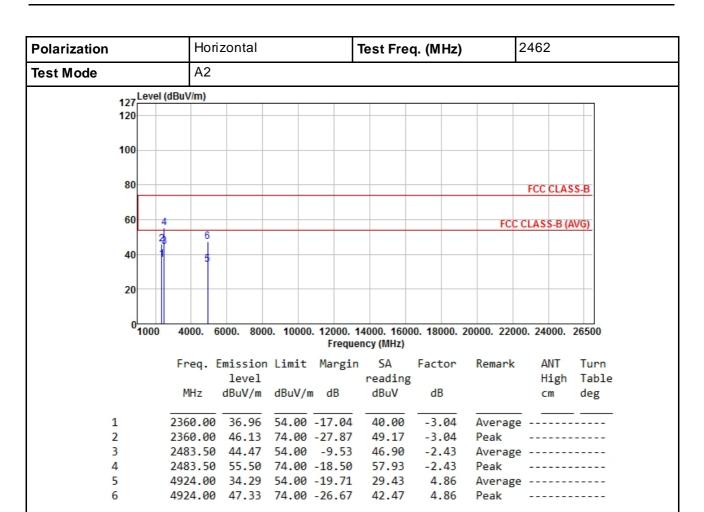
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 72 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155



Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

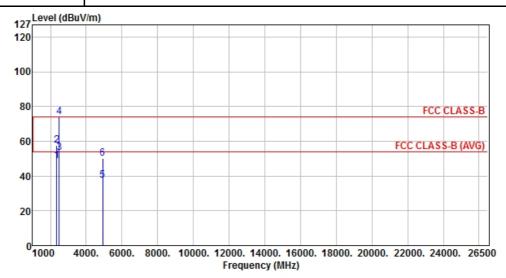
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 73 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

PolarizationHorizontalTest Freq. (MHz)2462Test ModeA2



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2360.00	48.83	54.00	-5.17	51.87	-3.04	Average		
2	2360.00	57.51	74.00	-16.49	60.55	-3.04			
3	2483.50	53.47	54.00	-0.53	55.90	-2.43	Average		
4	2483.50	73.90	74.00	-0.10	76.33	-2.43	Peak		
5	4924.00	37.28	54.00	-16.72	32.42	4.86	Average		
6	4924.00	50.23	74.00	-23.77	45.37	4.86	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

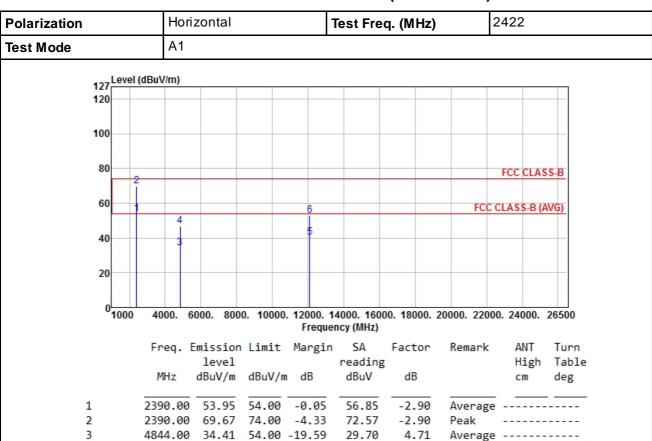
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 74 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT40



42.34

26.27

4.71

14.06

Peak

Peak

Average -----

4844.00 47.05 74.00 -26.95

12110.00 52.85 74.00 -21.15 38.79 14.06

12110.00 40.33 54.00 -13.67

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peakmeasurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 75 of 95

Report Version: Rev. 01

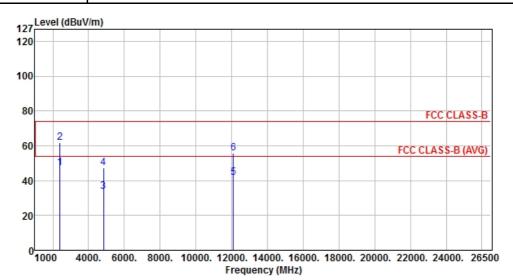
4

5



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Vertical	Test Freq. (MHz)	2422
Test Mode	A1		



	Freq.	Emission level	Limit	Margin	SA reading		Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2390.00	47.16	54.00	-6.84	50.06	-2.90	Average		
2	2390.00	61.81	74.00	-12.19	64.71	-2.90	Peak		
3	4844.00	33.87	54.00	-20.13	29.16	4.71	Average		
4	4844.00	47.12	74.00	-26.88	42.41	4.71	Peak		
5	12110.00	41.58	54.00	-12.42	27.52	14.06	Average		
6	12110.00	55.89	74.00	-18.11	41.83	14.06	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

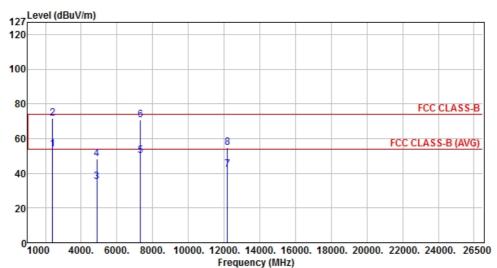
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 76 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Horizontal	Test Freq. (MHz)	2437
Test Mode	A1		



					, , , , ,				
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2390.00	53.83	54.00	-0.17	56.73	-2.90	Average		
2	2390.00	71.49	74.00	-2.51	74.39	-2.90	Peak		
3	4874.00	35.29	54.00	-18.71	30.52	4.77	Average		
4	4874.00	48.21	74.00	-25.79	43.44	4.77	Peak		
5	7311.00	50.29	54.00	-3.71	40.72	9.57	Average		
6	7311.00	70.84	74.00	-3.16	61.27	9.57	Peak		
7	12185.00	42.05	54.00	-11.95	27.93	14.12	Average		
8	12185.00	54.71	74.00	-19.29	40.59	14.12	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

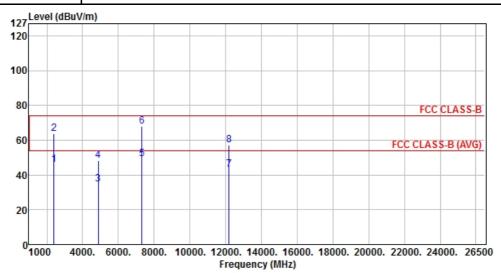
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 77 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Vertical	Test Freq. (MHz)	2437
Test Mode	A1		



		Emission level		Ū	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2390.00	46.15	54.00	-7.85	49.05	-2.90	Average		
2	2390.00	63.96	74.00	-10.04	66.86	-2.90	Peak		
3	4874.00	34.88	54.00	-19.12	30.11	4.77	Average		
4	4874.00	48.26	74.00	-25.74	43.49	4.77	Peak		
5	7311.00	49.29	54.00	-4.71	39.72	9.57	Average		
6	7311.00	68.06	74.00	-5.94	58.49	9.57	Peak		
7	12185.00	43.18	54.00	-10.82	29.06	14.12	Average		
8	12185.00	57.24	74.00	-16.76	43.12	14.12	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

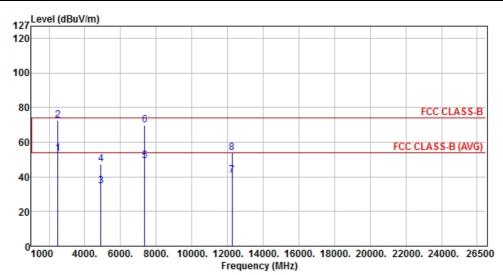
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 78 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization	Horizontal	Test Freq. (MHz)	2452
Test Mode	A1		



	Freq.	Emission level dBuV/m	Limit dBuV/m	Ū	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	53.54	54.00	-0.46	55.96	-2.42	Average		
2	2483.50	72.45	74.00	-1.55	74.87	-2.42	Peak		
3	4904.00	34.53	54.00	-19.47	29.71	4.82	Average		
4	4904.00	47.56	74.00	-26.44	42.74	4.82	Peak		
5	7356.00	49.26	54.00	-4.74	39.63	9.63	Average		
6	7356.00	70.05	74.00	-3.95	60.42	9.63	Peak		
7	12260.00	40.96	54.00	-13.04	26.78	14.18	Average		
8	12260.00	53.68	74.00	-20.32	39.50	14.18	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

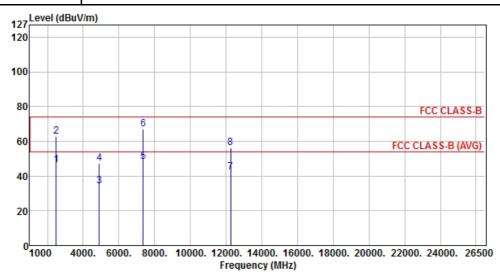
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 79 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

PolarizationVerticalTest Freq. (MHz)2452Test ModeA1



	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg
1	2483.50	46.28	54.00	-7.72	48.70	-2.42	Average		
2	2483.50	62.58	74.00	-11.42	65.00	-2.42	Peak		
3	4904.00	34.05	54.00	-19.95	29.23	4.82	Average		
4	4904.00	47.15	74.00	-26.85	42.33	4.82	Peak		
5	7356.00	48.11	54.00	-5.89	38.48	9.63	Average		
6	7356.00	66.79	74.00	-7.21	57.16	9.63	Peak		
7	12260.00	42.26	54.00	-11.74	28.08	14.18	Average		
8	12260.00	56.41	74.00	-17.59	42.23	14.18	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

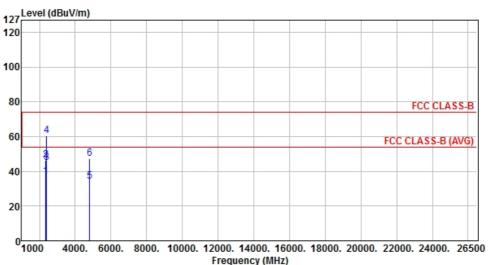
Report No.: FR341901 Page: 80 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

 Polarization
 Horizontal
 Test Freq. (MHz)
 2422

 Test Mode
 A2



	Freq.	Emission level dBuV/m			SA reading dBuV		Remark	ANT High cm	Turn Table deg
1	2360.00	37.25	54.00	-16.75	40.29	-3.04	Average		
2	2360.00	46.58	74.00	-27.42	49.62	-3.04	Peak		
3	2390.00	44.93	54.00	-9.07	47.81	-2.88	Average		
4	2390.00	60.45	74.00	-13.55	63.33	-2.88	Peak		
5	4804.00	34.11	54.00	-19.89	29.46	4.65	Average		
6	4804.00	47.23	74.00	-26.77	42.58	4.65	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peakmeasurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limitso that the AV level does not need to be reported in addition.

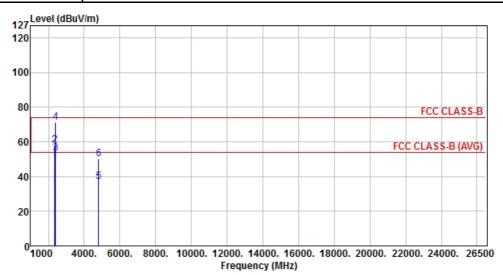
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 81 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

PolarizationVerticalTest Freq. (MHz)2422Test ModeA2



	Freq.	Emission level dBuV/m			SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2360.00	49.17	54.00	-4.83	52.21	-3.04	Average		
2		57.91			60.95	-3.04	0		
3	2390.00	53.53	54.00	-0.47	56.41	-2.88	Average		
4	2390.00	71.13	74.00	-2.87	74.01	-2.88	Peak		
5	4804.00	37.02	54.00	-16.98	32.37	4.65	Average		
6	4804.00	50.10	74.00	-23.90	45.45	4.65	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

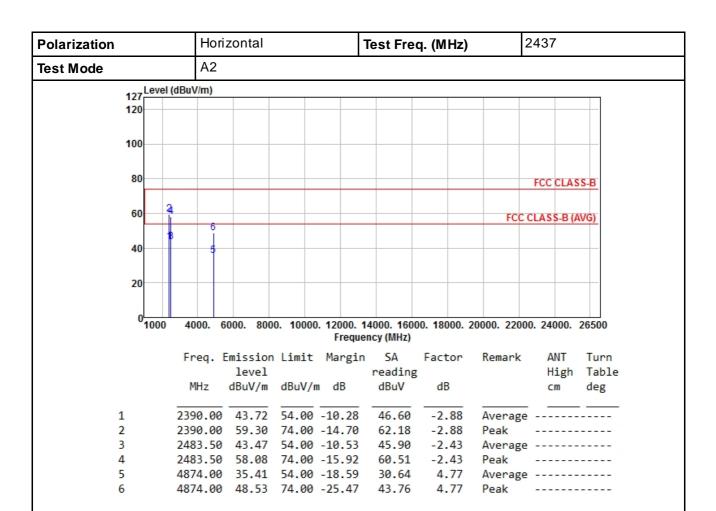
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 82 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155



Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peakmeasurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 83 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

Polarization		Verti	cal			Test Fre	q. (MHz)	2	2437
Test Mode		A2			•			•	
127	Level (dBuV/m)							
120									
100									
80	4								FCC CLASS-B
60		6						FCC	CLASS-B (AVG)
40		5							
20									
(1000	4000. 6	000. 800	0. 10000.			00. 18000. 2	20000. 2200	0. 24000. 26500
						ency (MHz)			
		Freq. E	mission level	Limit	Margin	n SA reading		Remark	ANT Turn High Table
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm deg
1		2390.00				56.30		Average	
2		2390.00	70.62	74.00	-3.38	73.50	-2.88	Peak	

-2.93

-0.02

54.00 -15.45

53.50

76.41

33.78

46.86

-2.43

-2.43

4.77

4.77

Average ----

Average -----

Peak

Peak

54.00

74.00

51.07

73.98

38.55

4874.00 51.63 74.00 -22.37

2483.50

2483.50

4874.00

4

5

6

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

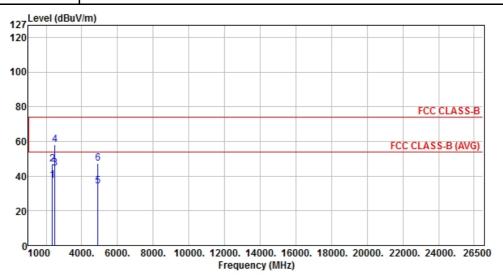
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 84 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

PolarizationHorizontalTest Freq. (MHz)2452Test ModeA2



	Freq.	Emission level dBuV/m	Limit dBuV/m	J	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2360.00	37.67	54.00	-16.33	40.71	-3.04	Average		
2	2360.00	46.98	74.00	-27.02	50.02	-3.04	Peak		
3	2483.50	44.47	54.00	-9.53	46.90	-2.43	Average		
4	2483.50	57.97	74.00	-16.03	60.40	-2.43	Peak		
5	4904.00	34.21	54.00	-19.79	29.40	4.81	Average		
6	4904.00	47.39	74.00	-26.61	42.58	4.81	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

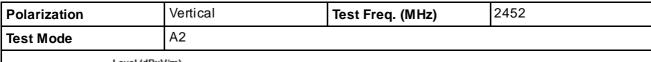
Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

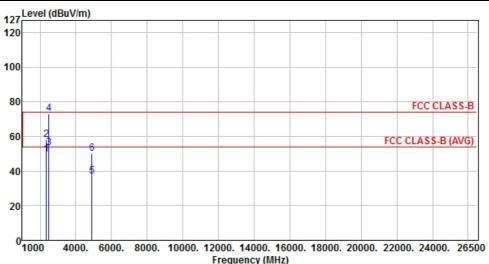
Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 85 of 95



No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155





	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MII-		4D. M/m	an.		מג			
	MHz	dBuV/m	dBuV/m	ав	dBuV	dB		cm	deg
1	2360.00	49.49	54.00	-4.51	52.53	-3.04	Average		
2	2360.00	58.07	74.00	-15.93	61.11	-3.04	Peak		
3	2483.50	53.57	54.00	-0.43	56.00	-2.43	Average		
4	2483.50	73.07	74.00	-0.93	75.50	-2.43	Peak		
5	4904.00	37.24	54.00	-16.76	32.43	4.81	Average		
6	4904.00	50.36	74.00	-23.64	45.55	4.81	Peak		

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 3: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Report No.: FR341901 Page: 86 of 95

3.6 Unwanted Emissions into Non-Restricted Frequency Bands

3.6.1 Limit of Unwanted Emissions into Non-Restricted Frequency Bands

- The peak output power measured in any 100 kHz band width outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.
- ☐ The peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.6.2 Test Procedures

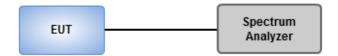
Reference Level Measurement

- 1. Set the RBW = 100 kHz, VBW = 300 kHz, Detector = peak.
- 2. Set Sweep time = auto couple, Trace mode = max hold.
- 3. Allow trace to fully stabilize.
- 4. Use the peakmarker function to determine the maximum amplitude level.

Unwanted Emissions Level Measurement

- 1. Set RBW = 100 kHz, VBW = 300 kHz, Detector = peak.
- 2. Trace Mode = max hold, Sweep = auto couple.
- 3. Allow the trace to stabilize.
- 4. Use peakmarker function to determine maximum amplitude of all unwanted emissions within any 100 kHz bandwidth.

3.6.3 Test Setup



Report No.: FR341901 Page: 87 of 95

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

3.6.4 Unwanted Emissions into Non-Restricted Frequency Bands for 11b

A1 11b Test Ch. Freq.							
Test Ch.							
(MHz)	In-band PSD [i] (dBuV/100kHz)	NBE Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Level Type	Po
2412	107.03	2397.02	68.38	38.65	30	PK	Н
2412	98.13	2398.26	54.50	43.63	30	PK	V
2462	110.06	2550.60	52.84	57.22	30	PK	Н
2462	102.38	2542.30	47.08	55.30	30	PK	V
ow Banded	lge - H			Up Ban	dedge - H		
2360. Frequency (Mi		0. 2422	024522460. 2470.			2530. 2540	. 25
ow Banded	lge - V			Up Ban	dedge - V		
or he there was a supplication of the state	1 Fg	FCC CLASS B	127 Level (dBuV/m) 120 100 80 40	Maybertageman	and the state of t	FCC CLASS	CLASS-B
	2462 2462 ow Banded	2462 110.06 2462 102.38 ow Bandedge - H	2462 110.06 2550.60 2462 102.38 2542.30 ow Bandedge - H FCC CLASS B (AVG) 2360. 2380. 2400. 2422 Frequency (MHz)	2462 110.06 2550.60 52.84 2462 102.38 2542.30 47.08 ow Bandedge - H **Cc class B (AVG)** FCC class B (AVG)** **Cc class B (AVG	2462 110.06 2550.60 52.84 57.22 2462 102.38 2542.30 47.08 55.30 OW Bandedge - H Up Bandedge - H Up Bandedge - W Up Bandedge - V	2462 110.06 2550.60 52.84 57.22 30 2462 102.38 2542.30 47.08 55.30 30 OW Bandedge - H Up Bandedge - H FCC CLASS B (AVG) 10 2360. 2380. 2480. 2422 10 2452.2460. 2470. 2480. 2490. 2550. 2510. 252	2462 110.06 2550.60 52.84 57.22 30 PK 2462 102.38 2542.30 47.08 55.30 30 PK ow Bandedge - H Up Bandedge - H FCC CLASS B (AVG) 10 2452 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540 Ow Bandedge - V Up Bandedge - V Up Bandedge - V FCC CLASS B (AVG) 177 100 100 2452 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540 FREQUENCY (Biltz) 177 177 178 178 177 177 178 178 177 177

Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical)

Report No.: FR341901 Page: 88 of 95

Report Version: Rev 01

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Fax: 886-3-318-0155

		insmitter Ra	diated Bar	ndedge Emis	sions Resul	t		
Test Mode	A2							
Modulation	11b							
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	NBE Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Level Type	Pol.
2390-2400	2412	97.24	2397.10	54.71	42.53	30	PK	Н
2390-2400	2412	109.79	2397.10	70.71	39.08	30	PK	V
2500-2690	2462	99.40	2533.40	46.74	52.66	30	PK	Н
2500-2690	2462	110.10	2546.20	51.54	58.56	30	PK	V
L	ow Banded	dge - H			Up Band	dedge - H		
023222330. 2340. 2350.	2360. 2370. Frequency (N		2410. 2422	⁰ 2452 2460. 2470.	Frequ	500. 2510. 2520. ency (MHz)	2530. 2540.	. 255
127 Level (dBuV/m) 120 100 80 60 40 40 20 0 33323310 3340 3350		many and the second of the sec	FCC CLASS B (AVG)	127 120 100 80 60 40	3490 3400 3	Agreement of hage with week to get a second	FCC CLASS	No. office of the
2322 2330. 2340. 2350.	2360. 2370. Frequency (N	2380. 2390. 2400.	2410. 2422	⁰ 2452 2460. 2470.	. 2480. 2490. 25 Frequ		2530. 2540.	. 2552

Report No.: FR341901 Page: 89 of 95

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C. Tel: 886-3-271-8666 Fax: 886-3-318-0155

3.6.5 Unwanted Emissions into Non-Restricted Frequency Bands for 11g

		NBE Freq.	Out-band	[i] – [o]		I	
est Ch. In-b Freq. PSI (MHz) (dBuV/1	D [i]	Freq.		[1] – [2]			
Freq. PSI (MHz) (dBuV/1	D [i]	Freq.		[6] – [6]			
2412 105		(MHz)	PSD [o] (dBuV/100kHz)	(dB)	Limit (dB)	Level Type	Po
	5.86	2400.00	74.30	31.56	30	PK	Н
2412 98.	.06	2400.00	67.36	30.70	30	PK	V
2462 105	5.46	2544.80	52.78	52.68	30	PK	Н
2462 97.	.50	2545.00	47.27	50.23	30	PK	V
Bandedge - H	ł			Up Band	dedge - H		
2360. 2380. Frequency (MHz)	2400.	2422	024522460. 2470.	Frequ	iency (MHz)	2530. 2540.	25
				<u> </u>			
Ва	andedge - V	andedge - V	andedge - V				andedge - V Up Bandedge - V 127-Level (dBuV/m)

Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical)

2360. 2380. Frequency (MHz) 2480.

2490. 2500. 2510. Frequency (MHz) 2520.

Report No.: FR341901 Page : 90 of 95

Report Version: Rev. 01

02310 2320.

Fax: 886-3-318-0155 Tel: 886-3-271-8666

Test Mode	A2							
Modulation	11g							
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i]	NBE Freq. (MHz)	Out-band PSD [o]	[i] – [o] (dB)	Limit (dB)	Level Type	Pol
2390-2400	2412	94.91	2399.94	59.13	35.78	30	PK	Н
2390-2400	2412	104.51	2400.00	73.70	30.81	30	PK	V
2500-2690	2462	94.55	2514.30	47.74	46.81	30	PK	Н
2500-2690	2462	105.21	2548.40	52.12	53.09	30	PK	V
Le	ow Banded	dge - H			Up Ban	dedge - H		
⁰ 2310 2320. 2340.	Frequency (N					iency (MHz)		25
	ow Banded				Up Ban	dedge - V		255

Report No.: FR341901 Page: 91 of 95

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.

Tel: 886-3-271-8666 Fax: 886-3-318-0155

3.6.6 Unwanted Emissions into Non-Restricted Frequency Bands for HT20

Test Mode	A1			ndedge Emis		•		
Modulation	HT20							
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i]	NBE Freq. (MHz)	Out-band PSD [o]	[i] – [o] (dB)	Limit (dB)	Level Type	Pol
2390-2400	2412	104.05	2399.94	70.70	33.35	30	PK	Н
2390-2400	2412	95.61	2399.94	65.40	30.21	30	PK	V
2500-2690	2462	105.31	2501.40	51.98	53.33	30	PK	Н
2500-2690	2462	98.58	2502.00	47.42	51.16	30	PK	V
L	Low Bandedge - H				Up Band	ledge - H		
⁰ 2310 2320. 2340.	2360. Frequency (N	2380. 2400 1Hz)	D. 2422	0 ² 2452 2460. 2470.		00. 2510. 2520. ency (MHz)	2530. 2540.	25
L	ow Banded	lge - V			Up Band	ledge - V		
127 Level (dBuV/m) 120 100 80 60	ow Bander	- y	FCC CLASS-B (AVG)	127 Level (dBuV/m) 120 100 100 80 60 40	Up Band	ledge - V	FCC CLASS	LASS-B
127 Level (dBuV/m) 100 80 60 40	popular and an interest and an	- C	C CLASS-B (AVG)	100 100 80 60 40	The state of the s	2	FCC CLASS	B (AVG)
127 Level (dBuV/m) 120 100 80 60	2360.	2380. 2400	C CLASS-B (AVG)	120 100 100 80 60	2480. 2490. 25	2 Proposition on Arrivan Manager		

Report No.: FR341901 Page: 92 of 95

Fax: 886-3-318-0155

Test Mode	A2							
Modulation	HT20							
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	NBE Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Level Type	Pol
2390-2400	2412	93.72	2400.00	59.26	34.46	30	PK	Н
2390-2400	2412	103.54	2399.94	73.52	30.02	30	PK	V
2500-2690	2462	94.95	2501.90	49.89	45.06	30	PK	Н
2500-2690	2462	107.14	2549.50	53.24	53.90	30	PK	V
Low Bandedge - H					Up Ban	dedge - H	<u> </u>	
	ow Banded					dedge - V		
L								
27 Level (dBuV/m)				127 Level (dBuV/m) 120				
27 Level (dBuV/m) 20		4	FCC CLASS 8				FCC C	LASS-B
27 127 100 80 40	angan managan kan managan k	The same of the sa	FCC CLASS-B C CLASS-B (AV6)	100		And the section of th	FCC CLASS	

Report No.: FR341901 Page: 93 of 95

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.

Tel: 886-3-271-8666 Fax: 886-3-318-0155

3.6.7 Unwanted Emissions into Non-Restricted Frequency Bands for HT40

Test Mode	A1							
Modulation	HT40							
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	NBE Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Level Type	Po
2390-2400	2422	97.96	2399.50	66.53	31.43	30	PK	Н
2390-2400	2422	88.28	2399.76	58.05	30.23	30	PK	V
2500-2690	2452	99.00	2500.16	49.57	49.43	30	PK	H
2500-2690	2452	90.07	2547.08	45.97	44.10	30	PK	V
Low Bandedge - H					Up Ban	dedge - H		
80 60 40	2360. 238 Frequency (N). 2400. 2	FCC CLASS B (AVG) C CLASS B (AVG)	60 40 20	2460. 2480. Frequ	2500. 2520 uency (MHz)	FCC CLASS	B (AVG)
80 60 20 0 2310 2340.	2360. 2380). 2400. 2	FCC CLASS-B	60 40 20	2460. 2480. Frequ	2500. 252(FCC CLASS	-B (AVG)
20 2310 2340.	2360. 2380 Frequency (N). 2400. 2 dge - V	FCC CLASS-B	60 40 20	2460. 2480. Frequ	2500. 2520 uency (MHz)	FCC CLASS	0. 25!
20 0 2310 2340. Level (dBuV/m) 20 00 80 60 40 2000 1000 1000 1000 1000 1000 1000	2360. 2380 Frequency (N). 2400. 2 dge - V	CCLASS B (AVG) 420. 2442	20 0 2432 127 120 100 80	2460. 2480. Frequ	2500. 2520 uency (MHz)	D. 254	B (AVG)
60	2360. 2380 Frequency (N). 2400. 2 dge - V	CCLASS B (AVG) 420. 2442	20 0 2432 127 Level (dBuV/m) 120 100 40	2460. 2480. Frequ	2500. 2520 uency (MHz)	D. 254	B (AVG

Report No.: FR341901 Page: 94 of 95

Tel: 886-3-271-8666 Fax: 886-3-318-0155

		nsmitter Ra	diated Bar	ndedge Emis	sions Resul	lt		
Test Mode	A2							
Modulation	HT40							
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	NBE Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Level Type	Pol
2390-2400	2422	86.69	2399.89	55.94	30.75	30	PK	Н
2390-2400	2422	97.00	2399.76	65.83	31.17	30	PK	V
2500-2690	2452	86.00	2510.24	46.35	39.65	30	PK	Н
2500-2690	2452	98.31	2502.32	50.24	48.07	30	PK	V
L	ow Banded	dge - H			Up Ban	dedge - H		
02310 2340.	2360. 2380 Frequency (M		420. 2442	02432	2460. 2480. Frequ	2500. 2520 Jency (MHz)	0. 254	0. 25
L	ow Banded	lge - V			Up Ban	dedge - V		



Report No.: FR341901 Page: 95 of 95