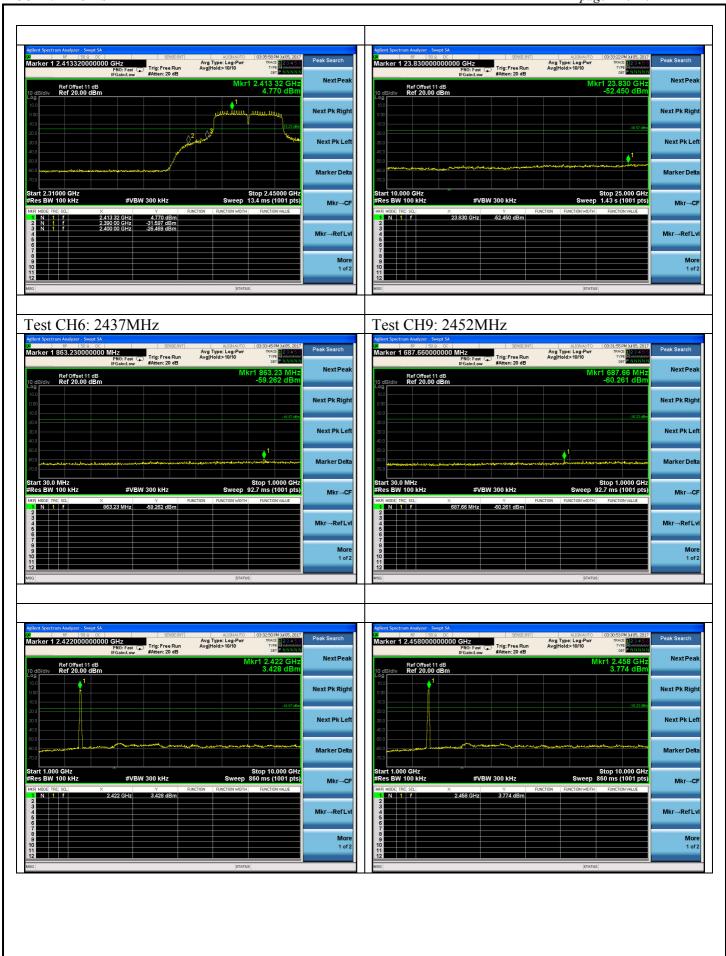
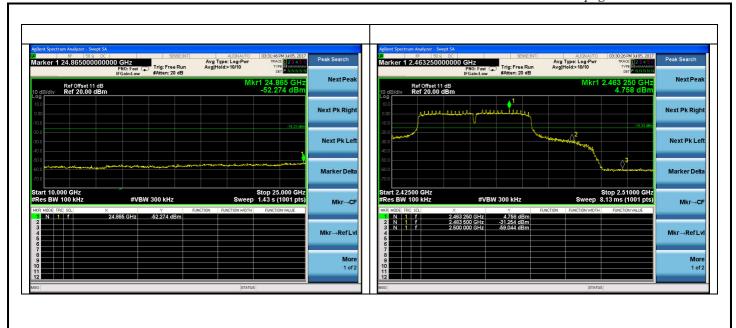
page 5-16



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6. BAND EDGE COMPLIANCE TEST

6.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	Apr.22,17	1 Year
2.	Amp	HP	8449B	3008A02495	Apr.22.17	1 Year
3.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	May.15,17	1 Year
4.	HF Cable	Hubersuhner	Sucoflex104	274094/4	Apr.22,17	1 Year

6.2.Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

6.3 Test Procedure

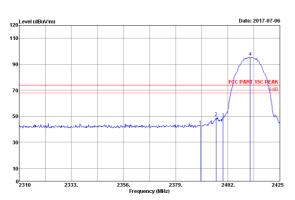
- 1. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.
- 2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
- (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
- (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

6.4. Test Results

Pass (The testing data was attached in the next pages.)

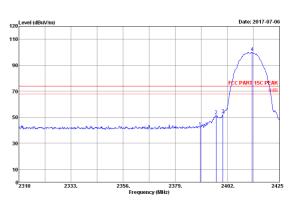


FCC ID: 2AF3K-SPB1 page 6-2



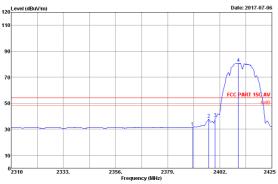
No.	Freq.	Factor (dB/m)	Loss (dB)	Reading (dBuV)	factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.69	7.84	43.37	36. 39	42.51	74.00	31.49	Peak
2	2396.83	27.69	7.88	49.83	36. 39	49.01	74.00	24.99	Peak
3	2400.00	27.69	7.88	48.96	36. 39	48.14	74.00	25.86	Peak
4	2412.00	27.73	7.91	96.22	36. 39	95.47	74.00	-21.47	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



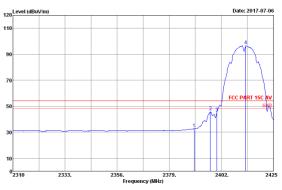
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.69	7.84	43.13	36.39	42.27	74.00	31.73	Peak
2	2397.06	27.69	7.88	52.11	36.39	51.29	74.00	22.71	Peak
3	2400.00	27.69	7.88	52.82	36.39	52.00	74.00	22.00	Peak
4	2412.93	27.73	7.91	100.67	36.39	99.92	74.00	-25.92	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor 2. The emission levels that are 20dB below the official limit are not reported.



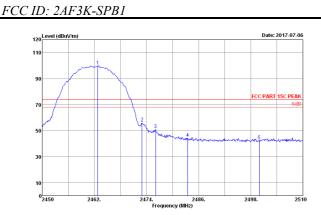
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.69	7.84	32.33	36.39	31.47	54.00	22.53	Average
2	2397.17	27.69	7.88	38.61	36.39	37.79	54.00	16.21	Average
3	2400.00	27.69	7.88	39.09	36.39	38.27	54.00	15.73	Average
4	2410.28	27.73	7.91	81.51	36.39	80.76	54.00	-26.76	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2 3	2390.00 2397.17 2400.00	27.69 27.69 27.69	7.84 7.88 7.88	33.42 46.43 45.57	36.39 36.39 36.39	32.56 45.61 44.75	54.00 54.00 54.00	21.44 8.39 9.25	Average Average Average
4	2412.70	27.73	7.91	97.36	36.39	96, 61		-42.61	Average

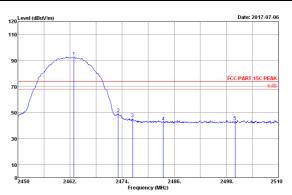
page 6-3



Dis. / Ant. Limit	: 3m Chamber Data no. : 23 : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL : FCC PART 15C PEAK Pre : 101.2kPa
EUT	: 23.1*C/52.3% Engineer : Garry : Cash Register M/N:SPB1-01
Power Test Mode	: AC 120V/60Hz : IEEE802.11b 2462MHz Tx Mode

	No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
-										
	1	2462.78	27.83	7.98	100.34	36.38	99.77		-25.77	Peak
	2	2472.98	27.87	8.02	56.34	36.38	55.85	74.00	18.15	Peak
	3	2476.10	27.87	8.02	51.42	36.38	50.93	74.00	23.07	Peak
	4	2483.50	27.87	8.02	44.50	36.38	44.01	74.00	29.99	Peak
	5	2500.00	27.90	8.05	42.74	36.38	42.31	74.00	31.69	Peak

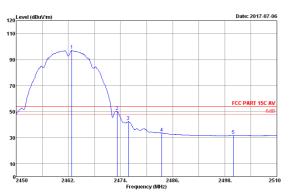
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. Dis. / Ant. Limit	: 3m Chamber Data no. : 24 : 3m 2017 ANT 3007 HF Ant. pol. : WERT : FCC PART 15C PEAK Pre : 101.	
Env. / Ins.	: 23.1*C/52.3% Engineer : Garry : Cash Register M/N:SPB1-01	
Power Test Mode	: AC 120V/60Hz : IEEE802.11b 2462MHz Tx Mode	

rgin Remark dB)
.92 Peak
.67 Peak
.61 Peak
.98 Peak
.93 Peak

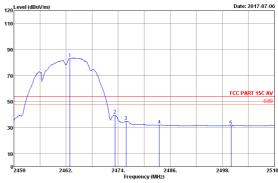
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Dis. / Ant. Limit	: 3a Chamber Data no. : 25 : 3a 201 AMI 3007 HF Ant. pol. : HORIZONIAL Pre : 101.2kPa : 23.1+6/2.3 Engineer : Garry : 101.2kPa : Cash Register M.N:SFB1-01	
Test Mode	: IEEE802.11b 2462MHz Tx Mode	

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)		Remark
1 2 3 4 5	2462.78 2473.22 2475.80 2483.50 2500.00	27.83 27.87 27.87 27.87 27.87 27.90	7. 98 8. 02 8. 02 8. 02 8. 05	97.75 50.69 42.92 34.08 32.05	36.38 36.38 36.38 36.38 36.38	97.18 50.20 42.43 33.59 31.62	54.00 54.00 54.00 54.00 54.00	-43.18 3.80 11.57 20.41 22.38	Average Average Average Average Average

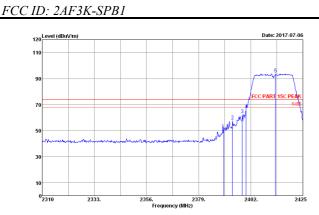
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Limit	: 3m Chamber
Test Mode	: IEEE802.11b 2462MHz Tx Mode

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2 3 4 5	2462.90 2473.22 2475.80 2483.50 2500.00	27.83 27.87 27.87 27.87 27.87 27.90	7.98 8.02 8.02 8.02 8.05	83.76 40.22 35.51 32.42 31.94	36.38 36.38 36.38 36.38 36.38	83. 19 39. 73 35. 02 31. 93 31. 51	54.00 54.00 54.00 54.00 54.00	-29.19 14.27 18.98 22.07 22.49	Average Average Average Average Average

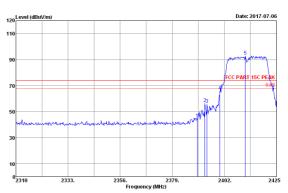
page 6-4



Dis. / Ant. Limit Env. / Ins. EUT Power		: 33 : HORIZONTAL : 101.2kPa
Test Mode	: IEEE802.11nHT20 2412MHz Tx Mode	

No.	Freq.	Factor (dB/m)	Loss (dB)	Reading (dBuV)	factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.69	7.84	49.85	36. 39	48.99	74.00	25.01	Peak
2	2393.95	27.69	7.88	58.38	36. 39	57.56	74.00	16.44	Peak
3	2398.32	27.69	7.88	63.36	36. 39	62.54	74.00	11.46	Peak
4	2400.00	27.69	7.88	67.21	36. 39	66.39	74.00	7.61	Peak
5	2412.93	27.73	7.91	94.60	36. 39	93.85	74.00	-19.85	Peak

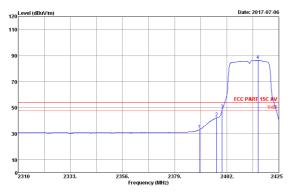
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Dis. / Ant. Limit	: 3m Chamber : 3m 2017 ANT 3007 HF : FCC PART 15C PEAK	Pre	: 34 : VERTICAL : 101.2kPa
Env. / Ins. EUI Power Test Mode	: 23.1*C/52.3% Engineer : Cash Register M/N:SPB1-01 : AC 120V/60Hz : IEEE802.11nHT20 2412MHz T	-	

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2	2390.04	27.69	7.88	45.21	36.39	44.39	74.00	29.61	Peak
	2393.38	27.69	7.88	57.22	36.39	56.40	74.00	17.60	Peak
3	2394.30	27.69	7.88	56.43	36.39	55. 61	74.00	18.39	Peak
4	2400.00	27.69	7.88	66.73	36.39	65. 91	74.00	8.09	Peak
5	2411.20	27.73	7.91	93.40	36.39	92. 65	74.00	-18.65	Peak

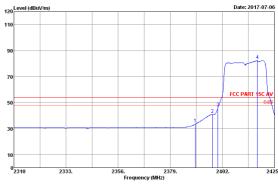
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



	: 3m Chamber Data no. : 35	
Dis. / Ant.	: 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL	
Linit	: FCC PART 15C AV Pre : 101.2kPa	
Env. / Ins.	: 23.1*C/52.3% Engineer : Garry	
EUT	: Cash Register M/N:SPB1-01	
Power	: AC 120V/60Hz	
Test Mode	: IEEE802.11nHT20 2412MHz Tx Mode	
	:	

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.04	27.69	7.88	33.92	36.39	33.10	54.00	20.90	Average
2	2397.52	27.69	7.88	42.98	36.39	42.16	54.00	11.84	Average
3	2400.05	27.69	7.88	49.12	36.39	48.30	54.00	5.70	Average
4	2415.80	27.73	7.91	87.10	36.39	86.35	54.00	-32.35	Average

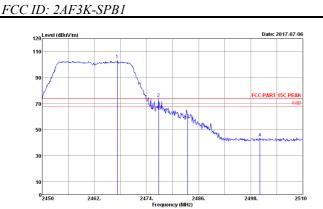
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Dis. / Ant. Limit	: 3m Chamber AIT 3007 HF Ant. pol. : HORIZONTAL : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL : FOC PART 15C AV Pre : 101.2kPa : Cash Register M/N:SFBI-01 : AC 1207/860H:
Test Mode	: IEEE802.11nHT20 2412MHz Tx Mode

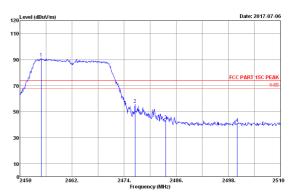
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.04	27.69	7.88	34.31	36.39	33.49	54.00	20.51	Average
2	2397.63	27.69	7.88	41.87	36.39	41.05	54.00	12.95	Average
3	2400.05	27.69	7.88	46.93	36.39	46.11	54.00	7.89	Average
4	2417.41	27.73	7.91	83.22	36.38	82.48	54.00	-28.48	Average

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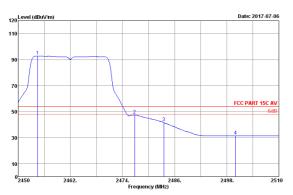
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.28	27.83	7.98	104.36	36.38	103.79	74.00	-29.79	Peak
2	2476.82	27.87	8.02	74.38	36.38	73.89	74.00	0.11	Peak
3	2483.48	27.87	8.02	58.40	36.38	57.91	74.00	16.09	Peak
4	2500.10	27.90	8.05	44.03	36.38	43.60	74.00	30.40	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



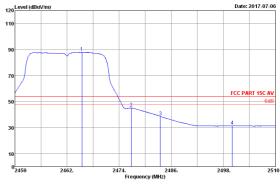
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)		rgin Remark dB)
1	2454.92	27.83	7.98	91.77	36.38	91.20	74.00 30	.20 Peak
2	2476.52	27.87	8.02	56.20	36.38	55.71		.29 Peak
3	2483.54	27.87	8.02	43.62	36.38	43.13		.87 Peak
4	2500.04	27.90	8.05	41.46	36.38	41.03		.97 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



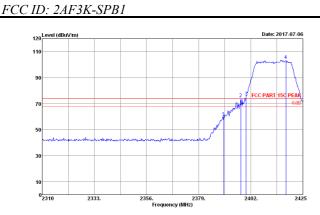
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2454.50	27.83	7.98	93.39	36.38	92.82		-38.82	Average
2	2476.82 2483.54	27.87 27.87	8.02 8.02	47.96 42.01	36.38 36.38	47.47 41.52	54.00 54.00	6.53 12.48	Average Average
4	2500.04	27.90	8.05	31.81	36.38	31.38	54.00	22.62	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2465.42	27.83	7.98	88.49	36.38	87. 92	54.00	-33.92	Average
2	2476.82	27.87	8.02	45.59	36.38	45. 10	54.00	8.90	Average
3	2483.50	27.87	8.02	38.92	36.38	38. 43	54.00	15.57	Average
4	2500.04	27.90	8.05	31.73	36.38	31. 30	54.00	22.70	Average

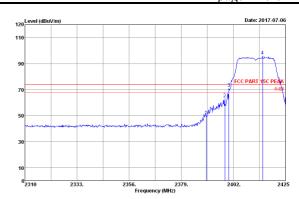
6-6 page



| Site no. | 1 Sa Chamber | Data no. | 1 Section | 1 S

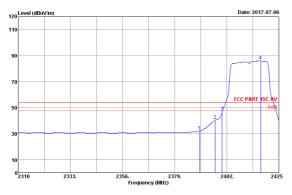
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.04	27.69	7.88	60.19	36.39	59.37	74.00	14.63	Peak
2	2397.63	27.69	7.88	74.85	36.39	74.03	74.00	-0.03	Peak
3	2400.05	27.69	7.88	76.01	36.39	75.19	74.00	-1.19	Peak
4	2417.53	27.73	7.91	104.21	36.38	103.47	74.00	-29.47	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No	Freq.	Factor (dB/m)	Loss (dB)	Reading (dBuV)	factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.04	27.69	7.88	50.58	36. 39	49.76	74.00	24.24	Peak
2	2398.21	27.69	7.88	63.85	36. 39	63.03	74.00	10.97	Peak
3	2400.05	27.69	7.88	71.86	36. 39	71.04	74.00	2.96	Peak
4	2414.88	27.73	7.91	96.87	36. 39	96.12	74.00	-22.12	Peak

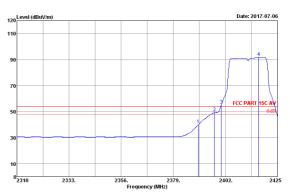
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



| Site no. | 1 Sa Chamber | Dis. / Ant. | 1 Sa 2017 ANT 3007 HF | Ant. pol. : VERTICAL Limit | ECC PART 15C AV | Engineer : Garry | 10.22Pa | Env. / Ins. : 23.14C/32.38 | MWN.SPB1-01 | Env. / Env. /

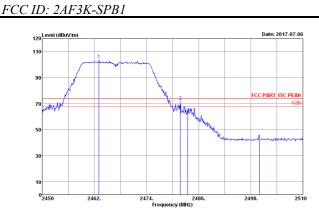
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.04	27.69	7.88	32.96	36.39	32.14	54.00	21.86	Average
2	2396.83	27.69	7.88	41.13	36.39	40.31	54.00	13.69	Average
3	2400.05	27.69	7.88	47.59	36.39	46.77	54.00	7.23	Average
4	2416.95	27.73	7.91	86.83	36.38	86.09	54.00	-32.09	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



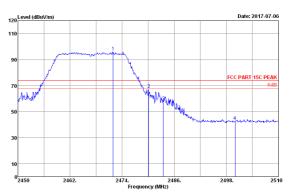
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.04	27.69	7.88	40.71	36.39	39.89	54.00	14.11	Average
2	2397.17	27.69	7.88	50.11	36.39	49.29	54.00	4.71	Average
3	2400.16	27.69	7.88	55.81	36.39	54.99	54.00	-0.99	Average
4	2416.72	27.73	7.91	92.50	36.38	91.76	54.00	-37.76	Average

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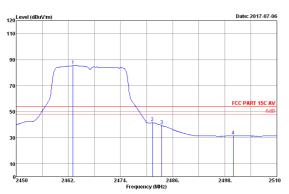
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2 3 4	2463.08 2481.80 2483.50 2500.00	27.83 27.87 27.87 27.87 27.90	7.98 8.02 8.02 8.05	104.22 72.25 62.97 42.73	36.38 36.38 36.38 36.38	103.65 71.76 62.48 42.30	74.00 74.00 74.00 74.00	-29.65 2.24 11.52 31.70	Peak Peak Peak Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No.	Freq.	Factor (dB/m)	Loss (dB)	Reading (dBuV)	factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2471.90	27.87	8. 02	96.56	36.38	96.07	74.00	-22.07	Peak
2	2480.12	27.87	8. 02	67.59	36.38	67.10	74.00	6.90	Peak
3	2483.50	27.87	8. 02	58.06	36.38	57.57	74.00	16.43	Peak
4	2500.00	27.90	8. 05	43.02	36.38	42.59	74.00	31.41	Peak

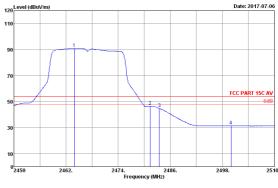
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



| Site no. | 1 Sa Chamber | Dis. / Ant. | 1 Sa 2017 ANT 3007 HF | Ant. pol. : VERTICAL Limit | ECC PART 15C AV | Engineer : Garry | 10.22Pa | Env. / Ins. : 23.14-752.38 | MWIN.SPB1-01 | Env. / Ins. : 26.12W/S02.38 | MWIN.SPB1-01 | ENV. / Ins. : EEEE802.11g | 2462MHz Tx | Mode | 1 EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | Mode | 1 | EEEE802.11g | 2462MHz Tx | EEEE802.

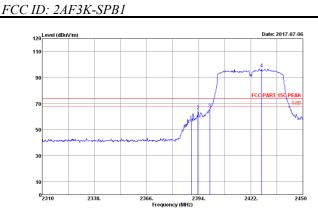
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.08	27.83	7.98	86.06	36.38	85.49	54.00	-31.49	Average
2	2481.38	27.87	8.02	42.12	36.38	41.63	54.00	12.37	Average
3	2483.50	27.87	8.02	39.84	36.38	39.35	54.00	14.65	Average
4	2500.00	27.90	8.05	31.73	36.38	31.30	54.00	22.70	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



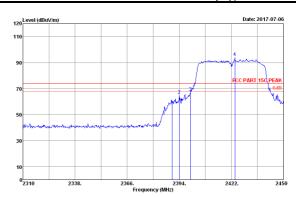
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.92	27.83	7.98	91.55	36.38	90.98	54.00	-36.98	Average
2	2481.38	27.87	8.02	47.02	36.38	46.53	54.00	7.47	Average
3	2483.50	27.87	8.02	45.29	36.38	44.80	54.00	9.20	Average
4	2500.00	27.90	8.05	31.74	36.38	31.31	54.00	22.69	Average

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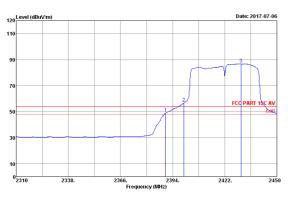
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.08	27.69	7.88	57.46	36.39	56. 64	74.00	17.36	Peak
2	2393.72	27.69	7.88	65.50	36.39	64. 68	74.00	9.32	Peak
3	2400.02	27.69	7.88	66.71	36.39	65. 89	74.00	8.11	Peak
4	2427.88	27.76	7.91	97.79	36.38	97. 08	74.00	-23.08	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



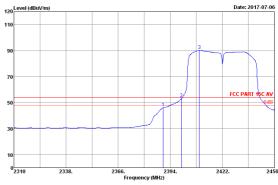
1	To.	Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	l	2390.08	27.69	7.88	58.31	36.39	57.49	74.00	16.51	Peak
- 2	2	2394.00	27.69	7.88	65.79	36.39	64.97	74.00	9.03	Peak
- 3	3	2400.02	27.69	7.88	68, 12	36.39	67.30	74.00	6.70	Peak
- 4	1	2423.82	27.76	7.91	94.85	36.38	94.14	74.00	-20.14	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



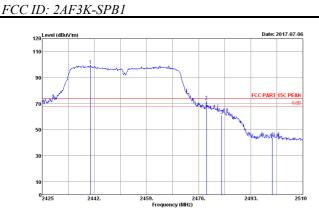
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2	2390.22	27.69	7.88	49.71	36.39	48.89	54.00	5.11	Average
	2400.02	27.69	7.88	57.41	36.39	56.59	54.00	-2.59	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor = 2. The emission levels that are 20dB below the official limit are not reported.



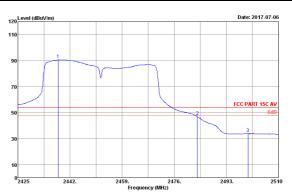
No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2	2390.22 2400.02 2409.68	27.69 27.69	7.88 7.88 7.88	46.95 53.92 90.95	36.39 36.39 36.39	46.13 53.10	54.00 54.00 54.00	7.87 0.90	Average Average

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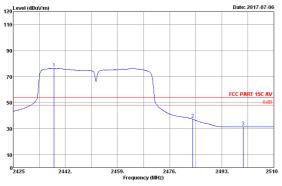
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)		Remark
1	2440.73	27.80	7.95	100.24	36.38	99.61	74.00	-25.61	Peak
2	2478.55	27.87	8.02	72.39	36.38	71.90	74.00	2.10	Peak
3	2483.50	27.87	8.02	61.75	36.38	61.26	74.00	12.74	Peak
4	2500.00	27.90	8.05	44.28	36.38	43.85	74.00	30.15	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2438.18	27.80	7.95	91.36	36.38	90.73	54.00	-36.73	Average
2	2483.50	27.87	8.02	47.46	36.38	46.97	54.00	7.03	Average
3	2500.00	27.90	8.05	34.26	36.38	33.83	54.00	20.17	Average

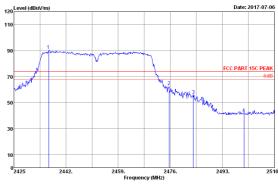
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



| Site no. | 13m Chamber | Dis. / Ant. | 13m 2017 MNT 3007 HF | Ant. pol. : VERTICAL Limit | ECC PART 15C AV | Engineer | 6 arry | 10.2 kPa | Env. / Ins. | 23.1 kC/32.38 | MNT.SPB-01 | EGG | E

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2438.35 2483.50	27.80 27.87	7.95 8.02	77.07 38.07	36.38 36.38	76.44 37.58	54.00 54.00	-22.44 16.42	Average Average
3	2500.00	27 00	2 OF	31 99	36.38	31.45	54.00	22 55	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2436.31	27.76	7.95	90.87	36. 38	90. 20	74.00	-16.20	Peak
2	2475.58	27.87	8.02	62.87	36. 38	62. 38	74.00	11.62	Peak
3	2483.50	27.87	8.02	56.14	36. 38	55. 65	74.00	18.35	Peak
4	2500.00	27.90	8.05	42.06	36. 38	41. 63	74.00	32.37	Peak

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7. 6dB Bandwidth Test

7.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.18,15	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.27,17	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.17.15	1 Year

7.2.Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

7.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

7.4. Test Results

EUT: Cash Register							
M/N: SPB1-01							
Test date: 2017-07-03	Pressure: 102.3±1.0 kpa	Humidity: 51.5±3.0%					
Tested by: Lynn	Test site: RF site	Temperature:22.1±0.6 °C					

Test Mode	СН		ndwidth Hz)	Limit				
1050111040	CII	ANT0	ANT1	(kHz)				
	CH1	8.571	8.105	≥500				
11b	СН6	8.097	8.563	≥500				
	CH11	8.097	8.096	≥500				
	CH1	16.41	16.41	≥500				
11g	СН6	16.39	16.38	≥500				
	CH11	16.41	16.40	≥500				
1.1	CH1	17.61	17.61	≥500				
11n HT20	CH6	17.34	17.60	≥500				
11120	CH11	17.61	17.61	≥500				
1.1	СН3	35.21	35.19	≥500				
11n HT40	СН6	35.38	35.50	≥500				
11140	СН9	35.23	35.23	≥500				
Conclusion: PASS								