1 CO-LOCATION

1.1 Transmitter Radiated Unwanted Emissions

1.1.1 Transmitter Radiated Unwanted Emissions Limit

Restricted Band Emissions Limit										
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)							
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300							
0.490~1.705	24000/F(kHz)	33.8 - 23	30							
1.705~30.0	30	29	30							
30~88	100	40	3							
88~216	150	43.5	3							
216~960	200	46	3							
Above 960	500	54	3							

- Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
- Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Un-restricted Band Emissions Limit								
RF output power procedure	Limit (dB)							
Peak output power procedure	20							
Average output power procedure	30							

- Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.
- Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

1.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

SPORTON INTERNATIONAL INC. Page No. : 1 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

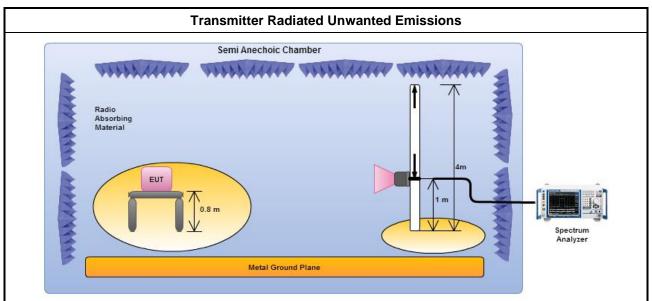


1.1.3 Test Procedures

	Test Method
perfo equi extra dista	surements may be performed at a distance other than the limit distance provided they are not ormed in the near field and the emissions to be measured can be detected by the measurement pment. When performing measurements at a distance other than that specified, the results shall be applated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear unce for field-strength measurements, inverse of linear distance-squared for power-density surements).
	Measurements in the frequency range 10 GHz - 18GHz are typically made at a closer distance 1m, because the instrumentation noise floor is typically close to the radiated emission limit.
\boxtimes	Measurements in the frequency range above 18 GHz - 25GHz are typically made at a closer distance 0.5m, because the instrumentation noise floor is typically close to the radiated emission limit.
The	average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
For	the transmitter unwanted emissions shall be measured using following options below:
\boxtimes	Refer as FCC KDB 558074, clause 10.1 for unwanted emissions into non-restricted bands.
\boxtimes	Refer as FCC KDB 558074, clause 10.2 for unwanted emissions into restricted bands.
	Refer as FCC KDB 558074, clause 10.2.3.3 and 8.2.1 Option 1 (spectral trace averaging)
	Refer as FCC KDB 558074, clause 10.2.3.3 and 8.2.1 Option 2 (slow sweep speed).
	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	Refer as FCC KDB 558074, clause 10.2.3.2 and 8.1.1 measurement procedure peak limit.
	Refer as FCC KDB 558074, clause 10.2.3.1 measurement procedure Quasi-Peak limit.
For	radiated measurement, refer as FCC KDB 558074, clause 10.2.1.
\boxtimes	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz.
\boxtimes	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1000 MHz.
\boxtimes	Refer as ANSI C63.10, clause 6.6 for radiated emissions from above 1 GHz.
For	conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 10.2.2.
	For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB

SPORTON INTERNATIONAL INC. Page No. : 2 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

1.1.4 Test Setup



Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna and the frequency range of 1 GHz to 40 GHz using a calibrated horn antenna.

1.1.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

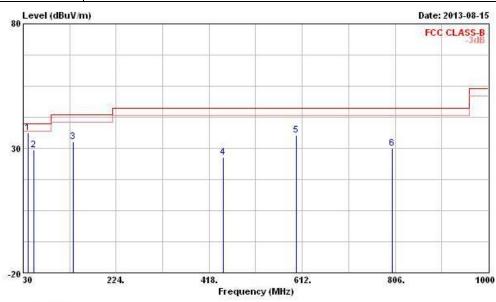
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. : 3 of 20
TEL: 886-3-327-3456 : Report Version : Rev. 01



1.1.6 Results of Radiated Emissions (30MHz~1GHz)

Transmitter Radiated Unwanted Emissions								
Operating Mode	AC Power & Radio link	Polarization	V					
Operating Function	2.4GHz WLAN(1TX 2437MHz 11g) + Bluetooth 2.1+EDR(1TX 2480MHz) + 2.4GHz SRD(1TX 2478MHz) +NFC							



	Freg	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark	Ant Pos	Table Pos
_	(27-15) (17-15) (17-15) (17-15) (17-15) (17-15)		September 1	500000000	2000-200-0		9555555				100000
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
10	39.700	36.19	-3.81	40.00	49.99	13.25	0.87	27.92	Peak	222	
2	52.310	29.24	-10.76	40.00	47.11	8.94	1.04	27.85	Peak		
3	133.790	32.49	-11.01	43.50	46.11	12.49	1.65	27.76	Peak		
4 5	447.100	26.26	-19.74	46.00	35.08	16.22	3.16	28.20	Peak		
5	599.390	35.25	-10.75	46.00	39.98	20.15	3.68	28.56	Peak		
6	800.180	30.10	-15.90	46.00	33.50	20.27	4.42	28.09	Peak		

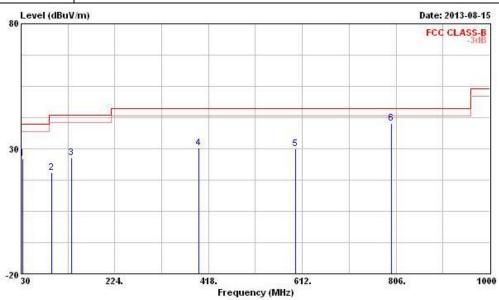
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 4 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Unwanted Emissions									
Operating Mode	AC Power & Radio link	Polarization	Н						
Operating Function	2.4GHz WLAN(1TX 2437N 2.4GHz SRD(1TX 2478MH	ИНz 11g) + Bluetooth 2.1+E Iz) +NFC	DR(1TX 2480MHz) +						



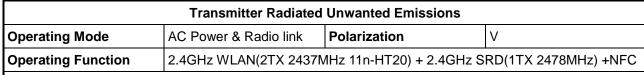
			0ver	Limit	Readi	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	ав	dB		cm	deg
1	32.910	26.07	-13.93	40.00	38.13	15.11	0.79	27.96	Peak		
2	94.020	20.31	-23.19	43.50	36.67	10.17	1.36	27.89	Peak		
3	133.790	26.29	-17.21	43.50	39.91	12.49	1.65	27.76	Peak		
4	397.630	30.35	-15.65	46.00	40.09	15.22	2.97	27.93	Peak		
5	598.420	30.01	-15.99	46.00	34.77	20.12	3.68	28.56	Peak		
6	797.270	40.20	-5.80	46.00	43.67	20.23	4.40	28.10	Peak		

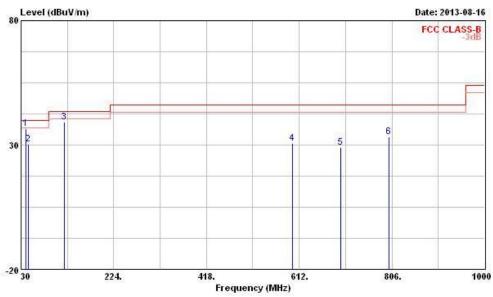
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. : 5 of 20
TEL: 886-3-327-3456 : Report Version : Rev. 01





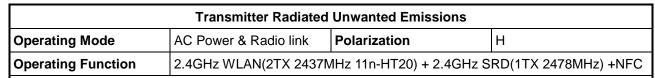
	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark	Ant Pos	Table Pos
200	MHz	dBuV/m	dB	dBuV/m	dBu∀	dB/m	dB	dB	i 	cm	deg
1 @	39.700	36.46	-3.54	40.00	50.26	13.25	0.87	27.92	Peak		12540
2	45.520	30.29	-9.71	40.00	45.45	11.78	0.94	27.88	Peak		
3	121.180	39.21	-4.29	43.50	52.08	13.39	1.56	27.82	Peak		
4	598.420	30.74	-15.26	46.00	35.50	20.12	3.68	28.56	Peak		50,770,000
5	699.300	29.14	-16.86	46.00	34.69	18.85	4.03	28.43	Peak	1,96%	200
6	800.180	33.38	-12.62	46.00	36.78	20.27	4.42	28.09	Peak		

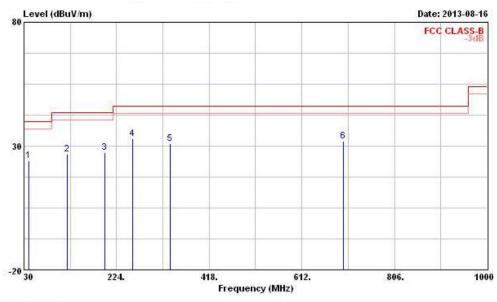
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. : 6 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01





	Freq	Level	Over Limit	Limit Line		Antenna Factor	100 CONTRACTOR	Preamp Factor	Remark	Ant Pos	Table Pos
	Mz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm.	deg
1	39.700	24.03	-15.97	40.00	37.83	13.25	0.87	27.92	Peak		
2	121.180	26.76	-16.74	43.50	39.63	13.39	1.56	27.82	Peak		
3	198.780	27.38	-16.12	43.50	41.55	11.28	2.06	27.51	Peak		
4	256.980	33.08	-12.92	46.00	44.90	13.10	2.41	27.33	Peak		
5	335.550	31.13	-14.87	46.00	41.59	14.26	2.75	27.47	Peak		
6	699.300	31.97	-14.03	46.00	37.52	18.85	4.03	28.43	Peak		

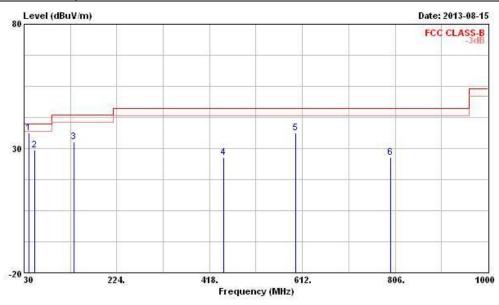
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. : 7 of 20 TEL: 886-3-327-3456 : Report Version : Rev. 01

Transmitter Radiated Unwanted Emissions									
Operating Mode	AC Power & Radio link	Polarization	V						
Operating Function	5GHz WLAN(1TX 5200MF + 2.4GHz SRD(1TX 2478M	lz 11a) + Bluetooth 2.1+ED иНz)+NFC	R(1TX 2480MHz)						



			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
20	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	ав	dB		cm.	deg
10	39.700	36.32	-3.68	40.00	50.12	13.25	0.87	27.92	Peak	2.00	222
2	52.310	29.19	-10.81	40.00	47.06	8.94	1.04	27.85	Peak		
3	133.790	32.55	-10.95	43.50	46.17	12.49	1.65	27.76	Peak		-
4	447.100	26.35	-19.65	46.00	35.17	16.22	3.16	28.20	Peak	-	50,750
5	598.420	36.37	-9.63	46.00	41.13	20.12	3.68	28.56	Peak	1. Shake	
6	797.270	26.47	-19.53	46.00	29.94	20.23	4.40	28.10	Peak		

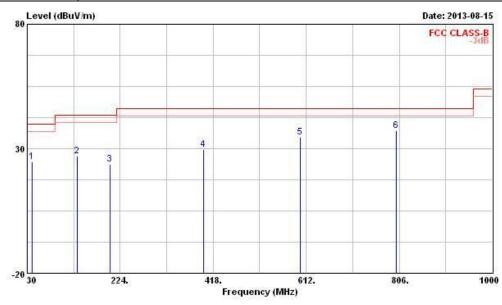
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. : 8 of 20
TEL: 886-3-327-3456 : Report Version : Rev. 01

Transmitter Radiated Unwanted Emissions									
Operating Mode	AC Power & Radio link	Polarization	Н						
Operating Function	5GHz WLAN(1TX 5200MF + 2.4GHz SRD(1TX 2478M	lz 11a) + Bluetooth 2.1+ED иНz)+NFC	R(1TX 2480MHz)						



			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	₫В	dB		cm	deg
1	39.700	24.90	-15.10	40.00	38.70	13.25	0.87	27.92	Peak	5091616	125570
2	133.790	26.97	-16.53	43.50	40.59	12.49	1.65	27.76	Peak		
3	202.660	23.80	-19.70	43.50	37.75	11.45	2.09	27.49	Peak		
4	397.630	29.62	-16.38	46.00	39.36	15.22	2.97	27.93	Peak		677767
5	599.390	34.71	-11.29	46.00	39.44	20.15	3.68	28.56	Peak	1 shake	222
6	800.180	37.10	-8.90	46.00	40.50	20.27	4.42	28.09	Peak		

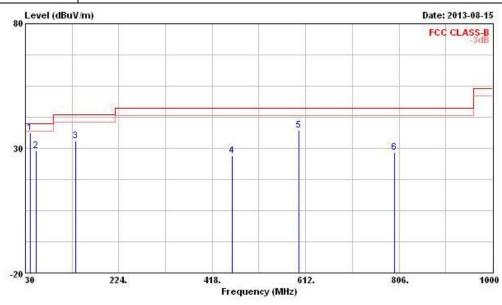
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. : 9 of 20 TEL: 886-3-327-3456 : Report Version : Rev. 01

	Transmitter Radiated Unwanted Emissions										
Operating Mode	AC Power & Radio link	Polarization	V								
Operating Function	5GHz WLAN (2TX 5745Mi	Hz 11n-HT20) + Bluetooth 2	2.1+EDR(1TX 2480MHz)								
	+2.4GHz SRD(1TX 2478M	IHz) +NFC									



	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark	Ant Pos	Table Pos
-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg
1	39.700	36.15	-3.85	40.00	49.95	13.25	0.87	27.92	Peak		
2	52.310	29.11	-10.89	40.00	46.98	8.94	1.04	27.85	Peak		
3	133.790	32.83	-10.67	43.50	46.45	12.49	1.65	27.76	Peak		
4	459.710	27.12	-18.88	46.00	35.70	16.47	3.22	28.27	Peak		
5	598.420	37.34	-8.66	46.00	42.10	20.12	3.68	28.56	Peak	1.00	
6	797.270	28.41	-17.59	46.00	31.88	20.23	4.40	28.10	Peak		

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

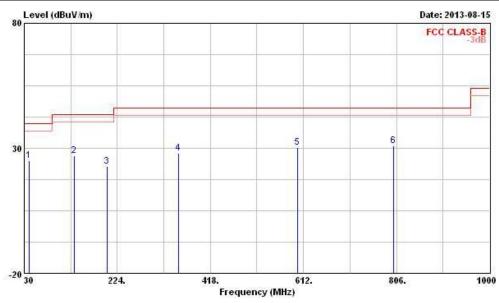
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 10 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01



	Transmitter Radiated Unwanted Emissions										
Operating Mode	AC Power & Radio link	Polarization	Н								
Operating Function	5GHz WLAN (2TX 5745MI +2.4GHz SRD(1TX 2478N	Hz 11n-HT20) + Bluetooth 2 IHz) +NFC	2.1+EDR(1TX 2480MHz)								



	Fuer	Level	Over Limit	Limit Line		Antenna Factor		Preamp	Remark	Ant Pos	Table Pos
	rreq	rever	шшс	TTHE	rever	Factor	1000	Factor	Reliark	Pos	PUS
ŝ	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	i 	can	deg
1	39.700	25.01	-14.99	40.00	38.81	13.25	0.87	27.92	Peak	909tate	202
2	133.790	26.93	-16.57	43.50	40.55	12.49	1.65	27.76	Peak		
3	202.660	22.88	-20.62	43.50	36.83	11.45	2.09	27.49	Peak		-
4	351.070	28.00	-18.00	46.00	38.27	14.49	2.82	27.58	Peak	-	0717700
5	599.390	30.42	-15.58	46.00	35.15	20.15	3.68	28.56	Peak	Estate	
6	800.180	31.06	-14.94	46.00	34.46	20.27	4.42	28.09	Peak		

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

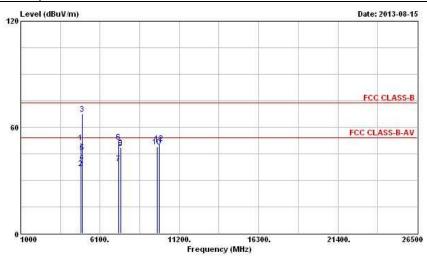
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 11 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

1.1.7 Results for Radiated Emissions (1GHz~10th Harmonic)

Transmitter Radiated Unwanted Emissions									
Operating Mode AC Power & Radio link Polarization V									
Operating Function	2.4GHz WLAN (TX 2437MHz 11g) + Bluetooth 2.1+EDR(1TX 2480MHz) +2.4GHz SRD(1TX 2478MHz) +NFC								

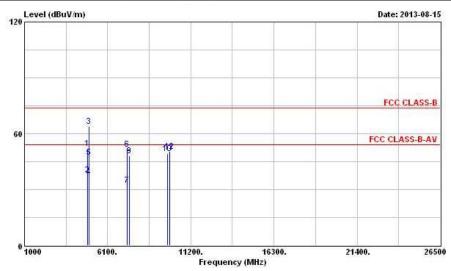


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
7	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	CJN.	deg
1	4874.000	51.14	-22.86	74.00	46.50	34.77	4.73	34.86	Peak	222	
2	4874.000	36.74	-17.26	54.00	32.10	34.77	4.73	34.86	Average		
3	4956.000	67.39	-6.61	74.00	62.72	34.72	4.79	34.84	Peak		-
4	4956.000	40.26	-13.74	54.00	35.59	34.72	4.79	34.84	Average		
5	4960.000	45.95	-8.05	54.00	41.25	34.72	4.82	34.84	PK		
6	7311.000	51.71	-22.29	74.00	45.51	35.90	5.47	35.17	Peak		
7	7311.000	39.50	-14.50	54.00	33.30	35.90	5.47	35.17	Average		
8	7434.000	48.15	-5.85	54.00	41.84	35.90	5.61	35.20	PK		
9	7440.000	48.41	-5.59	54.00	42.11	35.90	5.61	35.21	PK		
10	9748.000	48.94	-5.06	54.00	41.00	37.11	6.41	35.58	PK		
11 @	9912.000	50.25	-3.75	54.00	41.91	37.36	6.56	35.58	PK		
12 @	9920.000	50.74	-3.26	54.00	42.38	37.39	6.56	35.59	PK		

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

SPORTON INTERNATIONAL INC. Page No. : 12 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

	Transmitter Radiated Unwanted Emissions										
Operating Mode AC Power & Radio link Polarization H											
Operating Function 2.4GHz WLAN (TX 2437MHz 11g) + Bluetooth 2.1+EDR(1TX 2480MHz) +2.4GHz SRD(1TX 2478MHz) +NFC											

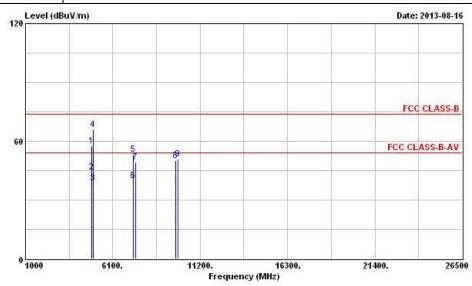


			Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBu∜	dB/m	dB	dB		- cm	deg
1	4874.000	52.01	-21.99	74.00	47.37	34.77	4.73	34.86	Peak	10000	925239
2	4874.000	37.88	-16.12	54.00	33.24	34.77	4.73	34.86	Average		
3	4956.000	63.76	-10.24	74.00	59.09	34.72	4.79	34.84	Peak		
4	4956.000	36.63	-17.37	54.00	31.96	34.72	4.79	34.84	Average	# 707047 6	
5	4960.000	47.38	-6.62	54.00	42.68	34.72	4.82	34.84	PK		
6	7311.000	51.87	-22.13	74.00	45.67	35.90	5.47	35.17	Peak		
7	7311.000	32.26	-21.74	54.00	26.06	35.90	5.47	35.17	Average	3-5-5	-
8	7434.000	48.04	-5.96	54.00	41.73	35.90	5.61	35.20	PK	273020	
9	7440.000	48.11	-5.89	54.00	41.81	35.90	5.61	35.21	PK		
10	9748.000	49.48	-4.52	54.00	41.54	37.11	6.41	35.58	PK		
11	9912.000	50.14	-3.86	54.00	41.80	37.36	6.56	35.58	PK		-
12	@ 9920.000	50.38	-3.62	54.00	42.02	37.39	6.56	35.59	PK	-	S-1-1-1

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

SPORTON INTERNATIONAL INC. Page No. : 13 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Unwanted Emissions									
Operating Mode	Operating Mode AC Power & Radio link Polarization V								
Operating Function 2.4GHz WLAN (2TX 2437MHz 11n-HT20) + 2.4GHz SRD(1TX 2478MHz) +NF0									

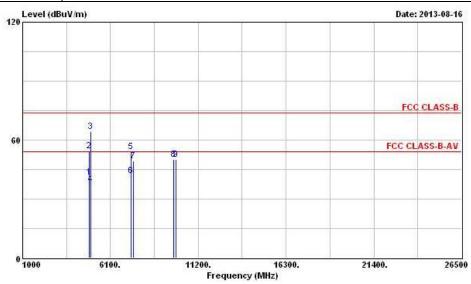


			0ver			Antenna		Preamp	American	Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBu∀	dB/m	dB	dB		cm	deg
1	4869.000	57.53	-16.47	74.00	52.89	34.77	4.73	34.86	Peak	242	
2	4869.000	44.25	-9.75	54.00	39.61	34.77	4.73	34.86	Average		
3	4956.000	38.83	-15.17	54.00	34.16	34.72	4.79	34.84	Average	17.7-7	5000
4	4956.000	65.96	-8.04	74.00	61.29	34.72	4.79	34.84	Peak		
5	7311.000	53.35	-20.65	74.00	47.15	35.90	5.47	35.17	Peak		200
6	7311.000	39.78	-14.22	54.00	33.58	35.90	5.47	35.17	Average		
7	7434.000	49.18	-4.82	54.00	42.87	35.90	5.61	35.20	PK		
8	9748.000	50.28	-3.72	54.00	42.34	37.11	6.41	35.58	PK		
9	@ 9912.000	50.81	-3.19	54.00	42.47	37.36	6.56	35.58	PK	200	400

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

SPORTON INTERNATIONAL INC. Page No. : 14 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Unwanted Emissions									
Operating Mode	Operating Mode AC Power & Radio link Polarization H								
Operating Function 2.4GHz WLAN (2TX 2437MHz 11n-HT20) + 2.4GHz SRD(1TX 2478MHz) +NF0									



			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	₫₿uV	dB/m	dB	dB		cm	deg
1	4874.000	41.00	-13.00	54.00	36.36	34.77	4.73	34.86	Average		
2	4874.000	54.43	-19.57	74.00	49.79	34.77	4.73	34.86	Peak		
3	4956.000	64.45	-9.55	74.00	59.78	34.72	4.79	34.84	Peak	0.00	50000
4	4956.000	37.32	-16.68	54.00	32.65	34.72	4.79	34.84	Average		
5	7311.000	54.12	-19.88	74.00	47.92	35.90	5.47	35.17	Peak		400
6	7311.000	41.76	-12.24	54.00	35.56	35.90	5.47	35.17	Average		3444
7	7434.000	49.31	-4.69	54.00	43.00	35.90	5.61	35.20	PK		
8	9748.000	50.23	-3.77	54.00	42.29	37.11	6.41	35.58	PK		
9	9912.000	50.29	-3.71	54.00	41.95	37.36	6.56	35.58	PK		200

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

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

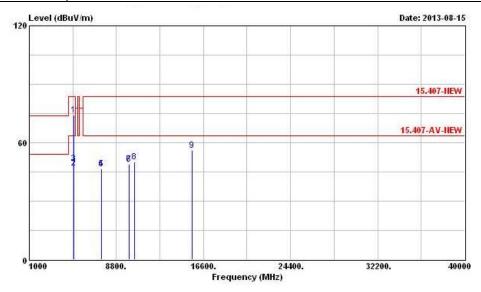
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

SPORTON INTERNATIONAL INC. Page No. : 15 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

	Transmitter Radiated Unwanted Emissions										
Operating Mode	Operating Mode AC Power & Radio link Polarization V										
Operating Function	5GHz WLAN (1TX 5200MI +2.4GHz SRD(1TX 2478N	Hz 11a) + Bluetooth 2.1+ED Hz) +NFC	PR(1TX 2480MHz)								

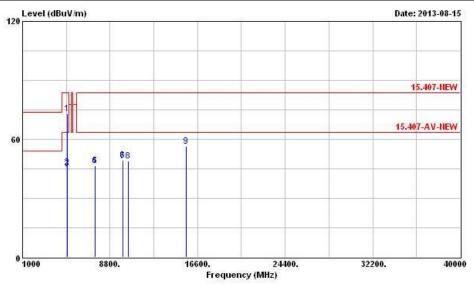


	ì	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark	Ant Pos	Table Pos
	-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB		-	cm.	deg
1	3 4956	000	74.11	-9.43	83.54	69.77	34.39	4.79	34.84	Peak		
2	4956	000	46.98	-16.56	63.54	42.64	34.39	4.79	34.84	Average		
3 (3 4960	000	49.49	-14.05	63.54	45.12	34.39	4.82	34.84	PK		
4	7434	000	46.44	-17.10	63.54	40.73	35.30	5.61	35.20	PK		
5	7440	000	46.46	-17.08	63.54	40.76	35.30	5.61	35.21	PK		
6 (9912	000	48.98	-14.56	63.54	40.80	37.20	6.56	35.58	PK		
7 1	9920	000	48.99	-14.55	63.54	40.80	37.22	6.56	35.59	PK		
8 1	10400	000	50.11	-13.43	63.54	41.50	37.54	6.35	35.28	PK		
9 (315600	000	55.91	-7.63	63.54	42.63	40.50	7.96	35.18	PK		

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

SPORTON INTERNATIONAL INC. Page No. : 16 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Unwanted Emissions										
Operating Mode AC Power & Radio link Polarization H										
Operating Function	5GHz WLAN (1TX 5200MI +2.4GHz SRD(1TX 2478M	Hz 11a) + Bluetooth 2.1+ED IHz) +NFC	DR(1TX 2480MHz)							

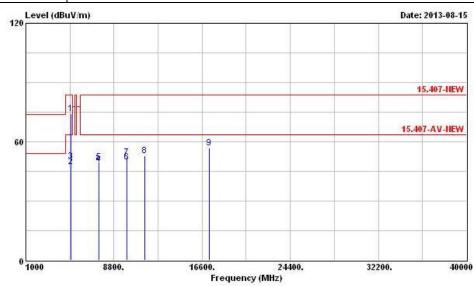


				0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
		Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	35	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dВ	dB		cm	deg
1	0	4956.000	72.85	-10.69	83.54	68.51	34.39	4.79	34.84	Peak	202	222
2		4956.000	45.72	-17.82	63.54	41.38	34.39	4.79	34.84	Average		
3		4960.000	45.03	-18.51	63.54	40.66	34.39	4.82	34.84	PK	0.00	-
4		7434.000	46.76	-16.78	63.54	41.05	35.30	5.61	35.20	PK		
5		7440.000	46.58	-16.96	63.54	40.88	35.30	5.61	35.21	PK		
6	0	9912.000	49.29	-14.25	63.54	41.11	37.20	6.56	35.58	PK		
7	0	9920.000	49.08	-14.46	63.54	40.89	37.22	6.56	35.59	PK		
8	@1	10400.000	49.13	-14.41	63.54	40.52	37.54	6.35	35.28	PK		
9	e	15600.000	56.30	-7.24	63.54	43.02	40.50	7.96	35.18	PK		

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

SPORTON INTERNATIONAL INC. Page No. : 17 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

	Transmitter Radiated Unwanted Emissions										
Operating Mode AC Power & Radio link Polarization V											
Operating Function	5GHz WLAN (2TX 5475M	Hz 11n-HT20) + Bluetooth 2	2.1+EDR(1TX 2480MHz)								
+2.4GHz SRD(1TX 2478MHz) +NFC											

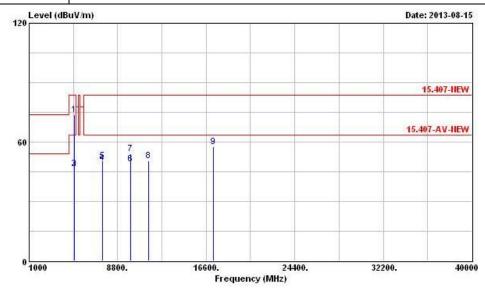


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cau	deg
1	@ 4956.000	74.34	-9.20	83.54	70.00	34.39	4.79	34.84	Peak	222	200
2	4956.000	47.21	-16.33	63.54	42.87	34.39	4.79	34.84	Average		
3	@ 4960.000	50.10	-13.44	63.54	45.73	34.39	4.82	34.84	PK	17.7-7	5000
4	@ 7434.000	48.71	-14.83	63.54	43.00	35.30	5.61	35.20	PK		
5	@ 7440.000	49.93	-13.61	63.54	44.23	35.30	5.61	35.21	PK		200
6	@ 9912.000	49.92	-13.62	63.54	41.74	37.20	6.56	35.58	PK		
7	@ 9920.000	51.91	-11.63	63.54	43.72	37.22	6.56	35.59	PK		5000
8	@11490.000	52.77	-10.77	63.54	42.95	38.29	6.36	34.83	PK		
9	@17235.000	57.00	-6.54	63.54	41.16	40.95	8.96	34.07	PK		200

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

SPORTON INTERNATIONAL INC. Page No. : 18 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Unwanted Emissions											
Operating Mode	Operating Mode AC Power & Radio link Polarization H										
Operating Function	5GHz WLAN (2TX 5475M	Hz 11n-HT20) + Bluetooth 2	2.1+EDR(1TX 2480MHz)								
	+2.4GHz SRD(1TX 2478MHz) +NFC										



		Fre	ı Level	Over Limit			Antenna Factor		Preamp	Remark	Ant Pos	Table Pos
	2				-							
		мн	z dBuV/n	n dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9	4956.00	73.66	-9.88	83.54	69.32	34.39	4.79	34.84	Peak		
2		4956.00	46.53	3 -17.01	63.54	42.19	34.39	4.79	34.84	Average		
3		4960.00	46.42	-17.12	63.54	42.05	34.39	4.82	34.84	PK		
4	0	7434.00	49.37	-14.17	63.54	43.66	35.30	5.61	35.20	PK		
5	e	7440.00	50.5	L -13.03	63.54	44.81	35.30	5.61	35.21	PK		
6	9	9912.00	48.92	-14.62	63.54	40.74	37.20	6.56	35.58	PK		
7	0	9920.00	54.00	-9.54	63.54	45.81	37.22	6.56	35.59	PK		
8	@1	11490.00	50.65	-12.89	63.54	40.83	38.29	6.36	34.83	PK		
9	@1	L7235.00	57.68	-5.86	63.54	41.84	40.95	8.96	34.07	PK		200

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

SPORTON INTERNATIONAL INC. Page No. : 19 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01

2 TEST EQUIPMENT AND CALIBRATION DATA

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100593	9kHz ~ 40GHz	Sep. 14, 2012	Radiation (03CH02-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	May 11, 2013	Radiation (03CH02-HY)
Amplifier	Agilent	8447D	2944A11146	100kHz ~ 1.3GHz	Jul 17, 2013	Radiation (03CH02-HY)
Amplifier	Agilent	8449B	3008A02364	1GHz ~ 26.5GHz	May. 06, 2013	Radiation (03CH02-HY)
Horn Antenna	ETS-LINDGREN	3117	00091920	1GHz ~ 18GHz	Nov. 16, 2012	Radiation (03CH02-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz ~ 40GHz	Jan. 08, 2013	Radiation (03CH02-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Nov. 10, 2012	Radiation (03CH02-HY)
RF Cable-high	SUHNER	SUCOFLEX106	03CH02-HY	1GHz ~ 40GHz	Mar. 05, 2013	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30MHz ~ 2GHz	Oct. 22, 2012	Radiation (03CH02-HY)
Turn Table	HD	DS 420	420/649/00	0~ 360 degree	N/A	Radiation (03CH02-HY)
Antenna Mast	MF	MF7802	MF780208205	1 ~ 4 m	N/A	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Magnetic Loop Antenna	MITEQ	AMF-6F-260400	9121372	26.5GHz ~ 40GHz	Apr. 19, 2013	Radiation (03CH02-HY)
Amplifier	TESEQ	HLA 6120	31244	9 kHz - 30 MHz	Dec. 02, 2012	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is two year.

SPORTON INTERNATIONAL INC. Page No. : 20 of 20 TEL: 886-3-327-3456 Report Version : Rev. 01