

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							

Report No.: FR5N2432

- 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.

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



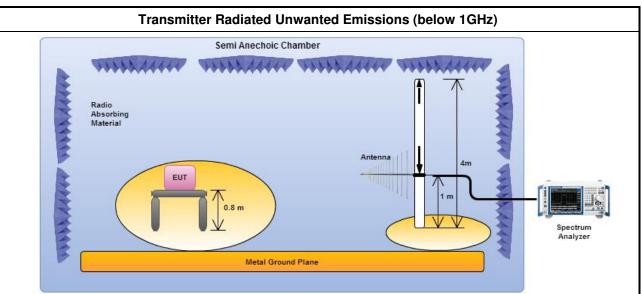
1.1.2 Test Procedures

		Test Method						
	perf equi extra dista	Isurements 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 applicated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear ance for field-strength measurements, inverse of linear distance-squared for power-density isurements).						
	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].							
\boxtimes	For	the transmitter unwanted emissions shall be measured using following options below:						
	\boxtimes	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.						
	\boxtimes	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.						
		Refer as FCC KDB 558074, clause 12.2.5.1 and 9.2.1 Option 1 (spectral trace averaging)						
		Refer as FCC KDB 558074, clause 12.2.5.2 and 9.2.1 Option 2 (slow sweep speed).						
		Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.						
		Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.						
		Refer as FCC KDB 558074, clause 12.2.4 and 9.1.1 measurement procedure peak limit.						
		Refer as FCC KDB 558074, clause 12.2.3 measurement procedure Quasi-Peak limit.						
	For	radiated measurement, refer as FCC KDB 558074, clause 12.1.						
	\boxtimes	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.						
	\boxtimes	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.						
	\boxtimes	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.						
	For	conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 12.2.2.						
		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

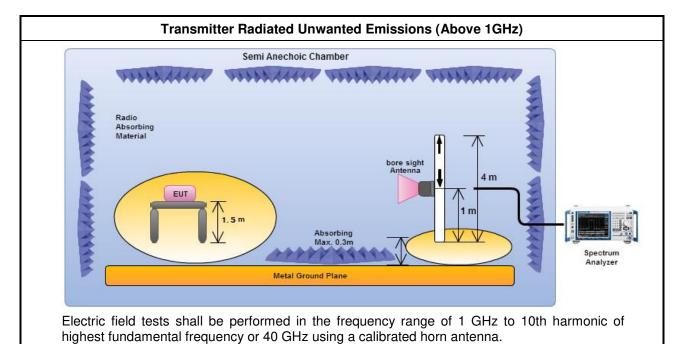


1.1.3 Test Setup



Report No.: FR5N2432

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.



1.1.4 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.

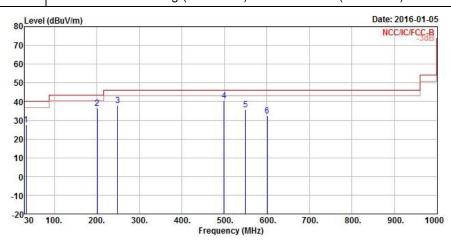
SPORTON INTERNATIONAL INC. Page No. : 3 of 20
TEL: 886-3-327-3456 Report Version : Rev. 01



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

Transmitter Radiated Unwanted Emissions Operating Mode Transmit Mode Polarization V Operating Function 2.4GHz WiFi 1TX 11g (2462MHz) + BT2.1+EDR (2480MHz)

Report No.: FR5N2432



			0ver	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	33.88	27.56	-12.44	40.00	46.96	17.54	0.34	37.28	Peak
2	200.72	36.46	-7.04	43.50	62.01	10.03	0.79	36.37	Peak
3	249.22	37.82	-8.18	46.00	60.63	12.70	0.88	36.39	Peak
4	499.48	40.70	-5.30	46.00	58.29	18.08	1.29	36.96	Peak
5	549.92	35.57	-10.43	46.00	52.52	18.80	1.35	37.10	Peak
6	600.36	32.31	-13.69	46.00	48.44	19.70	1.41	37.24	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.)

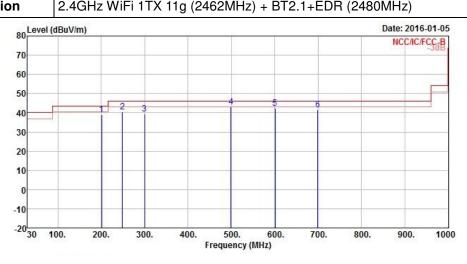
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

FCC Test Report

Transmitter Radiated Unwanted Emissions							
Operating Mode	Transmit Mode	Polarization	Н				
Operating Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT2.1+EDR (2480MHz)						

Report No.: FR5N2432



			0ver	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remai
ii a	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	200.72	39.21	-4.29	43.50	64.76	10.03	0.79	36.37	Peak
2	249.22	40.48	-5.52	46.00	63.29	12.70	0.88	36.39	Peak
3	299.66	39.44	-6.56	46.00	61.18	13.70	0.97	36.41	Peak
4	499.48	43.15	-2.85	46.00	60.74	18.08	1.29	36.96	QP
5	600.36	42.28	-3.72	46.00	58.41	19.70	1.41	37.24	Peak
6	699.30	41.77	-4.23	46.00	56.83	20.69	1.54	37.29	Peak

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

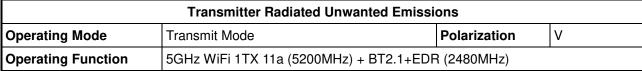
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

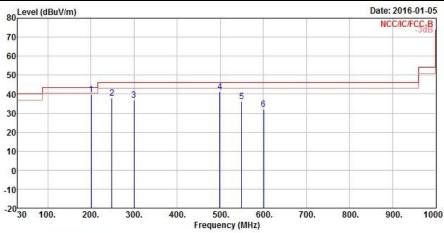
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

FCC Test Report

Report No.: FR5N2432



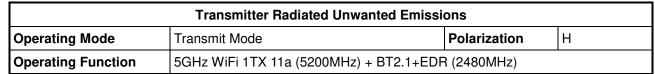


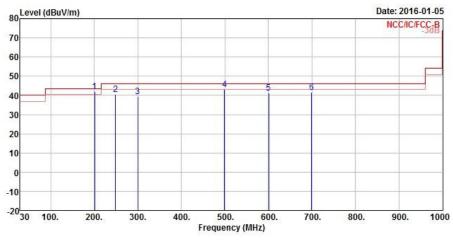
	Forces		0ver	7 (20)		Antenna		Preamp	
	Freq	Level	Limit	Line	revel	Factor	LOSS	Factor	Kemari
200	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	200.72	39.94	-3.56	43.50	65.49	10.03	0.79	36.37	Peak
2	249.22	37.80	-8.20	46.00	60.61	12.70	0.88	36.39	Peak
3	299.66	36.98	-9.02	46.00	58.72	13.70	0.97	36.41	Peak
4	499.48	41.10	-4.90	46.00	58.69	18.08	1.29	36.96	Peak
5	549.92	35.94	-10.06	46.00	52.89	18.80	1.35	37.10	Peak
6	600.36	31.98	-14.02	46.00	48.11	19.70	1.41	37.24	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. : 6 of 20 Report Version TEL: 886-3-327-3456 : Rev. 01





	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Rema
8.	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	Ol -
1	200.72	42.09	-1.41	43.50	67.64	10.03	0.79	36.37	QP
2	249.22	40.40	-5.60	46.00	63.21	12.70	0.88	36.39	Peak
3	299.66	39.46	-6.54	46.00	61.20	13.70	0.97	36.41	Peak
4	499.48	43.20	-2.80	46.00	60.79	18.08	1.29	36.96	QP
5	600.36	41.18	-4.82	46.00	57.31	19.70	1.41	37.24	Peak
6	699.30	41.57	-4.43	46.00	56.63	20.69	1.54	37.29	Peak

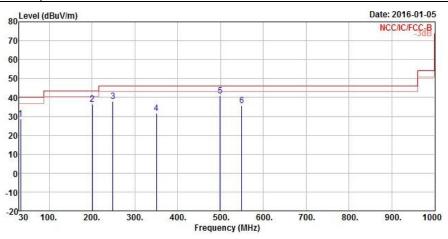
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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

Transmitter Radiated Unwanted Emissions							
Operating Mode Transmit Mode Polarization V							
Operating Function	ing Function 2.4GHz WiFi 1TX 11g (2462MHz) + BT4.0 (2440MHz)						

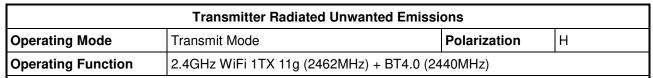


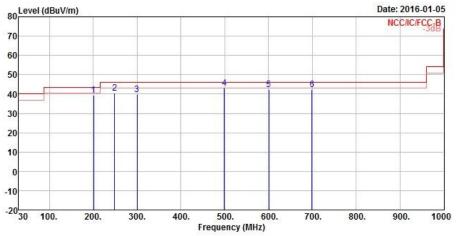
	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
31-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	33.88	28.53	-11.47	40.00	47.93	17.54	0.34	37.28	Peak
2	200.72	36.38	-7.12	43.50	61.93	10.03	0.79	36.37	Peak
3	249.22	37.82	-8.18	46.00	60.63	12.70	0.88	36.39	Peak
4	350.10	31.58	-14.42	46.00	51.82	15.20	1.05	36.49	Peak
5	499.48	40.78	-5.22	46.00	58.37	18.08	1.29	36.96	Peak
6	549.92	35.70	-10.30	46.00	52.65	18.80	1.35	37.10	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. : 8 of 20 Report Version TEL: 886-3-327-3456 : Rev. 01





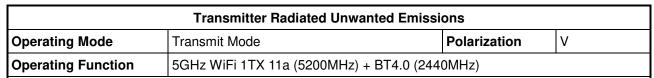
	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Rem
<u> </u>	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	200.72	39.46	-4.04	43.50	65.01	10.03	0.79	36.37	Peal
2	249.22	40.52	-5.48	46.00	63.33	12.70	0.88	36.39	Peal
3	299.66	39.65	-6.35	46.00	61.39	13.70	0.97	36.41	Peal
4	499.48	43.07	-2.93	46.00	60.66	18.08	1.29	36.96	QP
5	600.36	42.41	-3.59	46.00	58.54	19.70	1.41	37.24	Peal
6	699.30	42.32	-3.68	46.00	57.38	20.69	1.54	37.29	Peal

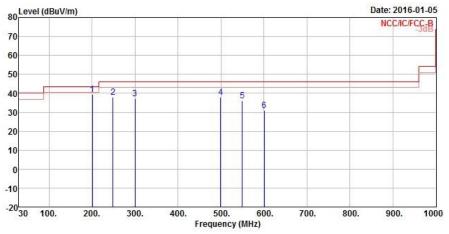
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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



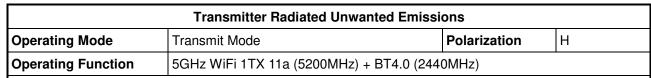


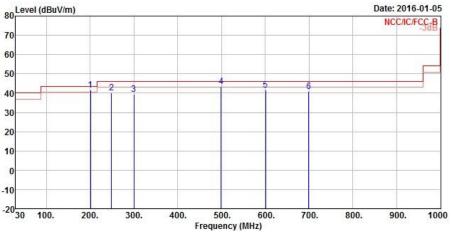
			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
ā .	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	200.72	39.33	-4.17	43.50	64.88	10.03	0.79	36.37	Peak
2	249.22	37.84	-8.16	46.00	60.65	12.70	0.88	36.39	Peak
3	299.66	37.09	-8.91	46.00	58.83	13.70	0.97	36.41	Peak
4	499.48	38.12	-7.88	46.00	55.71	18.08	1.29	36.96	Peak
5	549.92	35.93	-10.07	46.00	52.88	18.80	1.35	37.10	Peak
6	600.36	31.05	-14.95	46.00	47.18	19.70	1.41	37.24	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 Report Version TEL: 886-3-327-3456 : Rev. 01





			0ver	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Rema
-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	200.72	41.48	-2.02	43.50	67.03	10.03	0.79	36.37	QP
2	249.22	40.23	-5.77	46.00	63.04	12.70	0.88	36.39	Peak
3	299.66	39.34	-6.66	46.00	61.08	13.70	0.97	36.41	Peak
4	499.48	43.48	-2.52	46.00	61.07	18.08	1.29	36.96	QP
4	600.36	41.60	-4.40	46.00	57.73	19.70	1.41	37.24	Peak
6	699.30	40.85	-5.15	46.00	55.91	20.69	1.54	37.29	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)

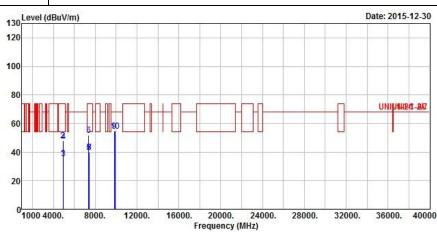
SPORTON INTERNATIONAL INC. Page No. : 11 of 20 Report Version TEL: 886-3-327-3456 : Rev. 01



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

Transmitter Radiated Unwanted Emissions Operating Function 2.4GHz WiFi 1TX 11g (2462MHz) + BT2.1+EDR (2480MHz) Polarization V

Report No.: FR5N2432

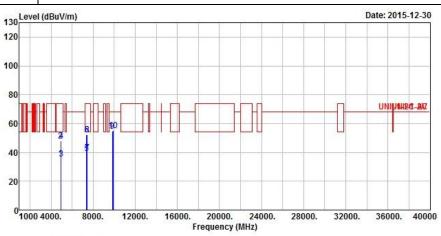


	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	ā.
1	4924.00	35.66	-18.34	54.00	30.63	33.43	6.17	34.57	Average
2	4924.00	47.76	-26.24	74.00	42.73	33.43	6.17	34.57	Peak
3	4960.00	35.52	-18.48	54.00	30.42	33.47	6.19	34.56	Average
4	4960.00	47.68	-26.32	74.00	42.58	33.47	6.19	34.56	Peak
5	7386.00	39.71	-14.29	54.00	30.54	36.46	7.63	34.92	Average
6	7386.00	51.79	-22.21	74.00	42.62	36.46	7.63	34.92	Peak
7	7440.00	39.80	-14.20	54.00	30.58	36.53	7.64	34.95	Average
8	7440.00	39.88	-34.12	74.00	30.66	36.53	7.64	34.95	Peak
9	9848.00	54.84			43.59	37.53	9.03	35.31	Peak
10	9920.00	54.52			43.19	37.51	9.13	35.31	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)
- 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 Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT2.1+EDR (2480MHz)					
Polarization	Н					



	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark
10.	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	8
1	4924.00	35.46	-18.54	54.00	30.43	33.43	6.17	34.57	Average
2	4924.00	47.80	-26.20	74.00	42.77	33.43	6.17	34.57	Peak
3	4960.00	35.64	-18.36	54.00	30.54	33.47	6.19	34.56	Average
4	4960.00	47.88	-26.12	74.00	42.78	33.47	6.19	34.56	Peak
5	7386.00	39.55	-14.45	54.00	30.38	36.46	7.63	34.92	Average
6	7386.00	52.12	-21.88	74.00	42.95	36.46	7.63	34.92	Peak
7	7440.00	39.71	-14.29	54.00	30.49	36.53	7.64	34.95	Average
8	7440.00	52.40	-21.60	74.00	43.18	36.53	7.64	34.95	Peak
9	9848.00	54.68			43.43	37.53	9.03	35.31	Peak
10	9920.00	55.12			43.79	37.51	9.13	35.31	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.)

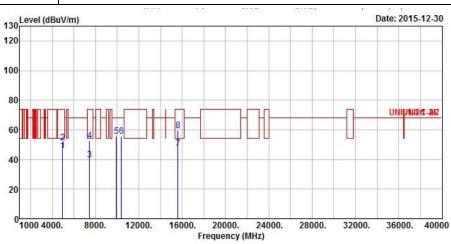
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 Function	5GHz WiFi 1TX 11a (5200MHz) + BT2.1+EDR (2480MHz)
Polarization	V



			0ver	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4960.00	45.85	-8.15	54.00	40.75	33.47	6.19	34.56	Average
2	4960.00	51.29	-22.71	74.00	46.19	33.47	6.19	34.56	Peak
3	7440.00	40.05	-13.95	54.00	30.83	36.53	7.64	34.95	Average
4	7440.00	52.82	-21.18	74.00	43.60	36.53	7.64	34.95	Peak
5	9920.00	55.81			44.48	37.51	9.13	35.31	Peak
6	10400.00	55.50			43.34	37.74	9.44	35.02	Peak
7	15600.00	47.39	-6.61	54.00	31.97	38.84	11.50	34.92	Average
8	15600.00	59.69	-14.31	74.00	44.27	38.84	11.50	34.92	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)

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.

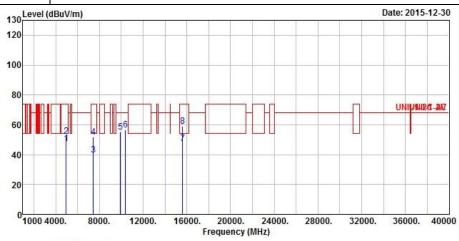
: 14 of 20

: Rev. 01

SPORTON INTERNATIONAL INC. Page No.
TEL: 886-3-327-3456 Report Version

TEL: 886-3-327-3456 FAX: 886-3-327-0973

	Transmitter Radiated Unwanted Emissions
Operating Function	5GHz WiFi 1TX 11a (5200MHz) + BT2.1+EDR (2480MHz)
Polarization	Н



	Freq	Freq Level		Limit Line		Antenna Factor		Preamp Factor	Remark
		dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	93
1	4960.00	47.72	-6.28	54.00	42.62	33.47	6.19	34.56	Average
2	4960.00	52.25	-21.75	74.00	47.15	33.47	6.19	34.56	Peak
3	7440.00	40.04	-13.96	54.00	30.82	36.53	7.64	34.95	Average
4	7440.00	52.00	-22.00	74.00	42.78	36.53	7.64	34.95	Peak
5	9920.00	54.94			43.61	37.51	9.13	35.31	Peak
6	10400.00	56.67			44.51	37.74	9.44	35.02	Peak
7	15600.00	47.40	-6.60	54.00	31.98	38.84	11.50	34.92	Average
8	15600.00	58.98	-15.02	74.00	43.56	38.84	11.50	34.92	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)

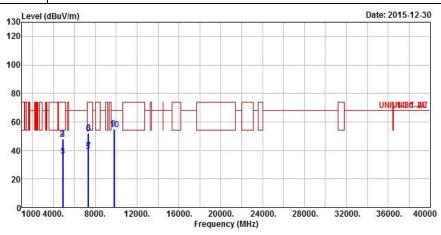
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

FCC Test Report Report No.: FR5N2432

	Transmitter Radiated Unwanted Emissions
Operating Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT4.0 (2440MHz)
Polarization	V



	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
8.	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4880.00	35.70	-18.30	54.00	30.77	33.38	6.13	34.58	Average
2	4880.00	47.78	-26.22	74.00	42.85	33.38	6.13	34.58	Peak
3	4924.00	35.87	-18.13	54.00	30.84	33.43	6.17	34.57	Average
4	4924.00	47.85	-26.15	74.00	42.82	33.43	6.17	34.57	Peak
5	7320.00	39.52	-14.48	54.00	30.47	36.36	7.60	34.91	Average
6	7320.00	51.68	-22.32	74.00	42.63	36.36	7.60	34.91	Peak
7	7386.00	39.94	-14.06	54.00	30.77	36.46	7.63	34.92	Average
8	7386.00	52.22	-21.78	74.00	43.05	36.46	7.63	34.92	Peak
9	9760.00	54.96			43.77	37.55	8.94	35.30	Peak
10	9848.00	54.83			43.58	37.53	9.03	35.31	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.)

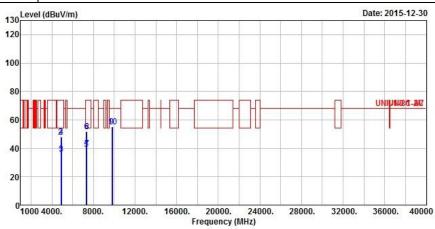
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 Report Version TEL: 886-3-327-3456 : Rev. 01

	Transmitter Radiated Unwanted Emissions
Operating Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT4.0 (2440MHz)
Polarization	Н



	Freq	Level	Over Limit	Limit Line	1000000	Antenna Factor		Preamp Factor	Remark
125	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	4880.00	35.63	-18.37	54.00	30.70	33.38	6.13	34.58	Average
2	4880.00	47.89	-26.11	74.00	42.96	33.38	6.13	34.58	Peak
3	4924.00	35.89	-18.11	54.00	30.86	33.43	6.17	34.57	Average
4	4924.00	47.82	-26.18	74.00	42.79	33.43	6.17	34.57	Peak
4	7320.00	39.54	-14.46	54.00	30.49	36.36	7.60	34.91	Average
6	7320.00	51.87	-22.13	74.00	42.82	36.36	7.60	34.91	Peak
7	7386.00	39.85	-14.15	54.00	30.68	36.46	7.63	34.92	Average
8	7386.00	51.84	-22.16	74.00	42.67	36.46	7.63	34.92	Peak
9	9760.00	55.12			43.93	37.55	8.94	35.30	Peak
10	9848.00	55.18			43.93	37.53	9.03	35.31	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.)

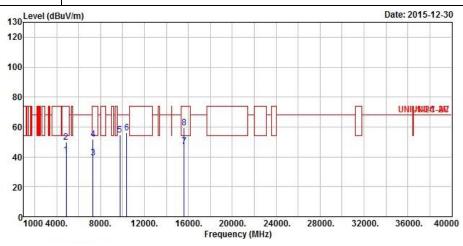
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 Function	5GHz WiFi 1TX 11a (5200MHz) + BT4.0 (2440MHz)					
Polarization	V					



	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
		dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4880.00	41.10	-12.90	54.00	36.17	33.38	6.13	34.58	Average
2	4880.00	49.87	-24.13	74.00	44.94	33.38	6.13	34.58	Peak
3	7320.00	39.54	-14.46	54.00	30.49	36.36	7.60	34.91	Average
4	7320.00	51.78	-22.22	74.00	42.73	36.36	7.60	34.91	Peak
5	9760.00	54.74			43.55	37.55	8.94	35.30	Peak
6	10400.00	56.18			44.02	37.74	9.44	35.02	Peak
7	15600.00	47.00	-7.00	54.00	31.58	38.84	11.50	34.92	Average
8	15600.00	59.72	-14.28	74.00	44.30	38.84	11.50	34.92	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.)

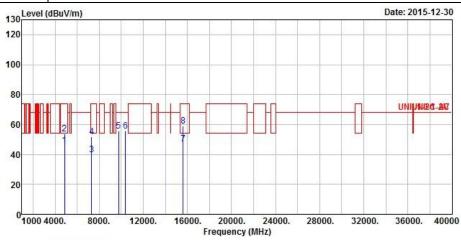
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 Function 5GHz WiFi 1TX 11a (5200MHz) + BT4.0 (2440MHz)							
Polarization	Н						



			0ver	Limit Rea		Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4880.00	45.92	-8.08	54.00	40.99	33.38	6.13	34.58	Average
2	4880.00	53.63	-20.37	74.00	48.70	33.38	6.13	34.58	Peak
3	7320.00	39.59	-14.41	54.00	30.54	36.36	7.60	34.91	Average
4	7320.00	52.02	-21.98	74.00	42.97	36.36	7.60	34.91	Peak
5	9760.00	55.50			44.31	37.55	8.94	35.30	Peak
6	10400.00	55.62			43.46	37.74	9.44	35.02	Peak
7	15600.00	47.13	-6.87	54.00	31.71	38.84	11.50	34.92	Average
8	15600.00	58.91	-15.09	74.00	43.49	38.84	11.50	34.92	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)

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

< Radiated Emission >

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Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date				
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz 3m	Jul. 01, 2015	Jun. 30, 2016				
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz 3m	Jul. 01, 2015	Jun. 30, 2016				
Amplifier	EMC	EMC9135	980232	9kHz ~ 1.0GHz	Jan. 27, 2015	Jan. 26, 2016				
Amplifier	Amplifier Agilent 8449B		3008A02096	1GHz ~ 26.5GHz	Apr. 09, 2015	Apr. 08, 2016				
Spectrum	Spectrum KEYSIGHT N9010A		MY54200885	10Hz ~ 44GHz	Jul. 15, 2015	Jul. 14, 2016				
Bilog Antenna	TESEQ	CBL 6112D	35418	30MHz ~ 1GHz	Mar. 30, 2015	Mar. 29, 2016				
Horn Antenna	AARONIA AG	POWERLOG 70180	05192	1GHz ~ 18GHz	Jan. 05, 2015	Jan. 04, 2016				
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz ~ 40GHz	Jan. 27, 2015	Jan. 26, 2016				
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Jul. 23, 2015	Jul. 22, 2016				
RF Cable-high	Jye Bao	RG142	03CH09-HY	1GHz ~ 40GHz	Jul. 23, 2015	Jul. 22, 2016				

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