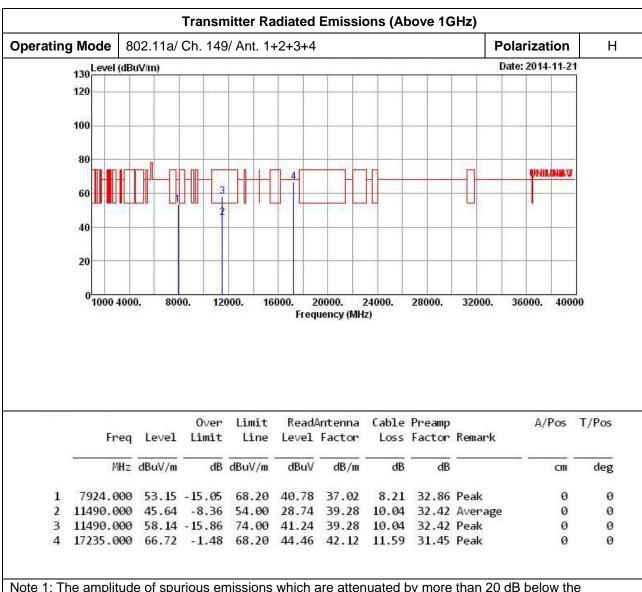


- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 164 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



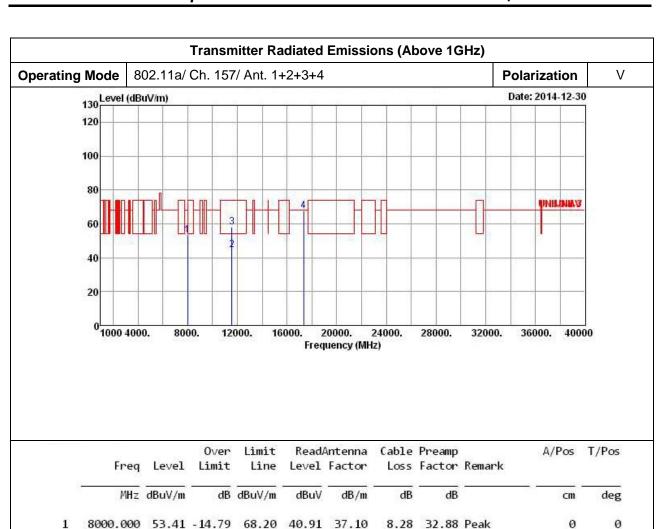
SPORTON INTERNATIONAL INC. Page No. : 165 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

27.61

39.34

39.34

10.04

10.04

32.42 Average

32.42 Peak

11.85 31.46 Peak

0

0

0

0

0

0

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

44.57 -9.43

11570.000

11570.000

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

54.00

58.02 -15.98 74.00 41.06

4 17355.000 67.71 -0.49 68.20 44.29 43.03

SPORTON INTERNATIONAL INC. Page No. : 166 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) 802.11a/ Ch. 157/ Ant. 1+2+3+4 **Polarization Operating Mode** Н 130 Level (dBuV/m) Date: 2014-11-21 120 100 80 NILLBHAY 40 20 1000 4000. 8000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. 40000 Frequency (MHz) 0ver Limit ReadAntenna Cable Preamp A/Pos T/Pos Level Factor Loss Factor Remark Freq Level Limit Line MHz dBuV/m dB dBuV/m dBuV dB/m dB dB deg cm 7954.000 53.41 -14.79 68.20 41.02 37.05 8.21 32.87 Peak 0 0 2 11570.000 44.77 -9.23 54.00 27.81 39.34 10.04 32.42 Average 0 0 3 11570.000 58.05 -15.95 74.00 41.09 39.34 10.04 32.42 Peak 0 0 4 17355.000 66.79 -1.41 68.20 43.37 43.03 11.85 31.46 Peak 0 0 Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the

Report No.: FR462540AN

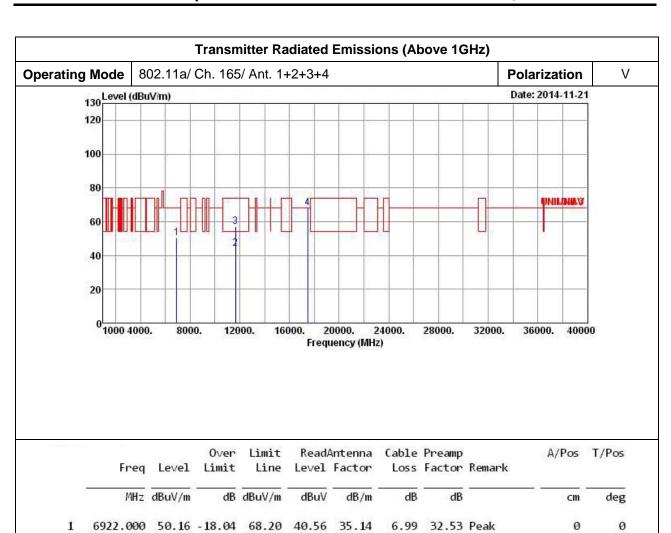
SPORTON INTERNATIONAL INC. : 167 of 342 Page No. TEL: 886-3-327-3456 Report Version : Rev. 01

permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



0

0

0

0

0

0

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

11650.000 43.90 -10.10 54.00 26.91 39.38 10.03 32.42 Average

3 11650.000 57.14 -16.86 74.00 40.15 39.38 10.03 32.42 Peak

4 17475.000 68.03 -0.17 68.20 43.45 43.94 12.11 31.47 Peak

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 168 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

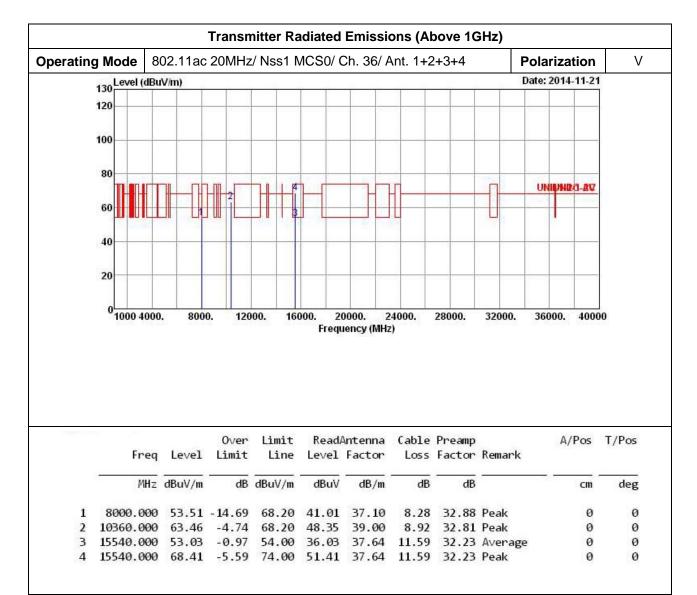
Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11a/ Ch. 165/ Ant. 1+2+3+4 **Polarization** Н 130 Level (dBuV/m) Date: 2014-11-21 120 100 80 **UNITOHIA** 40 20 0 1000 4000. 8000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. 40000 Frequency (MHz) Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Level Factor Loss Factor Remark Limit Line Freq Level MHz dBuV/m dB dBuV/m dBuV dB dB dB/m deg cm 7922.000 53.27 -14.93 68.20 40.97 37.02 8.14 32.86 Peak 0 0 11650.000 43.69 -10.31 54.00 26.70 39.38 10.03 32.42 Average 0 0 3 11650.000 57.18 -16.82 74.00 40.19 39.38 10.03 32.42 Peak 0 0 4 17475.000 67.70 -0.50 68.20 43.12 43.94 12.11 31.47 Peak 0

Report No.: FR462540AN

- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 169 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

FCC Test Report No.: FR462540AN



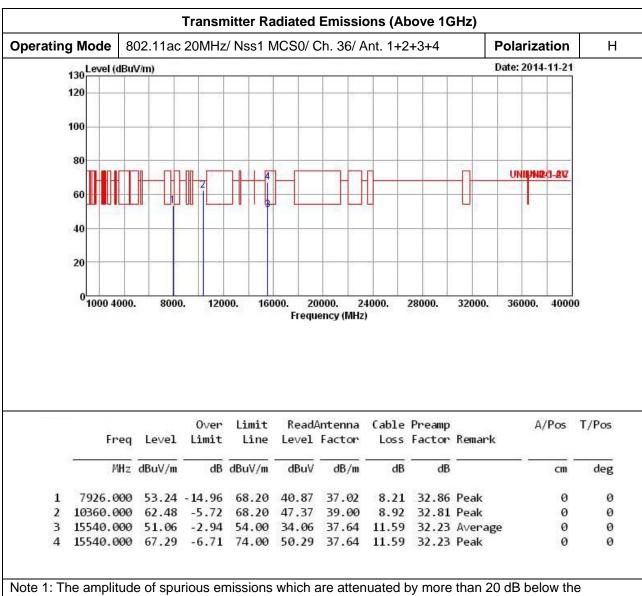
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 170 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



SPORTON INTERNATIONAL INC. Page No. : 171 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

permissible value has no need to be reported.

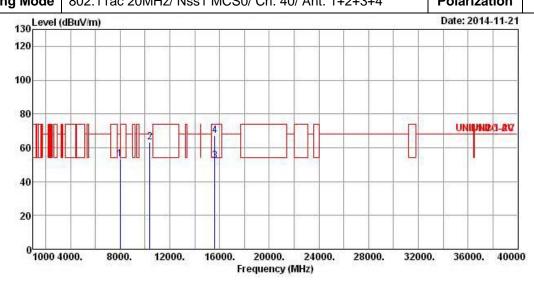
Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Transmitter Radiated Emissions (Above 1GHz)

Operating Mode | 802.11ac 20MHz/ Nss1 MCS0/ Ch. 40/ Ant. 1+2+3+4 | Polarization | V



	Freq	Le∨el	Over Limit	Line	ReadAntenna Level Factor					A/Pos	T/Pos
											-
	PHZ	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		CM	deg
1	8001.000	53.22	-14.98	68.20	40.74	37.10	8.26	32.88	Peak	0	0
2	10400.000	63.08	-5.12	68.20	47.91	39.00	8.94	32.77	Peak	0	0
3	15600.000	52.33	-1.67	54.00	35.47	37.53	11.59	32.26	Average	0	0
4	15600.000	67.03	-6.97	74.00	50.17	37.53	11.59	32.26	Peak	0	0

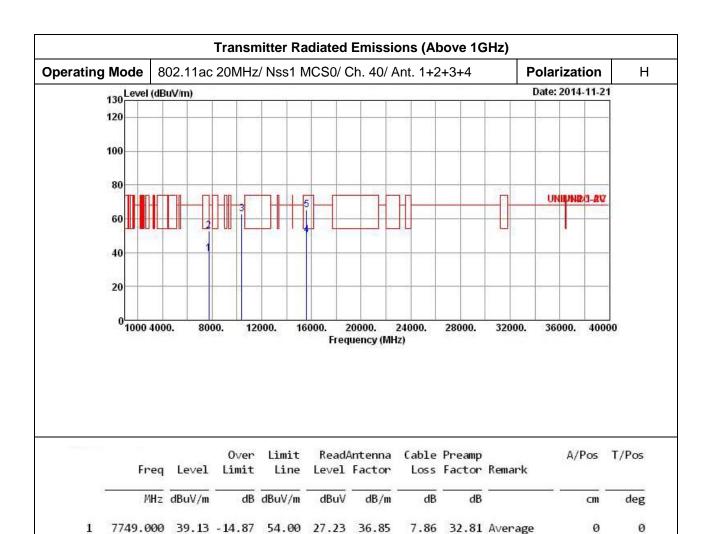
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 172 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



0

0

0

0

0

0

0

0

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

36.85

39.00

37.53

7.86 32.81 Peak

11.59 32.26 Peak

32.77 Peak

32.26 Average

8.94

11.59

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

7749.000 52.76 -21.24 74.00 40.86

10400.000 62.96 -5.24 68.20 47.79

15600.000 50.16 -3.84 54.00 33.30

15600.000 65.45 -8.55 74.00 48.59 37.53

- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 173 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

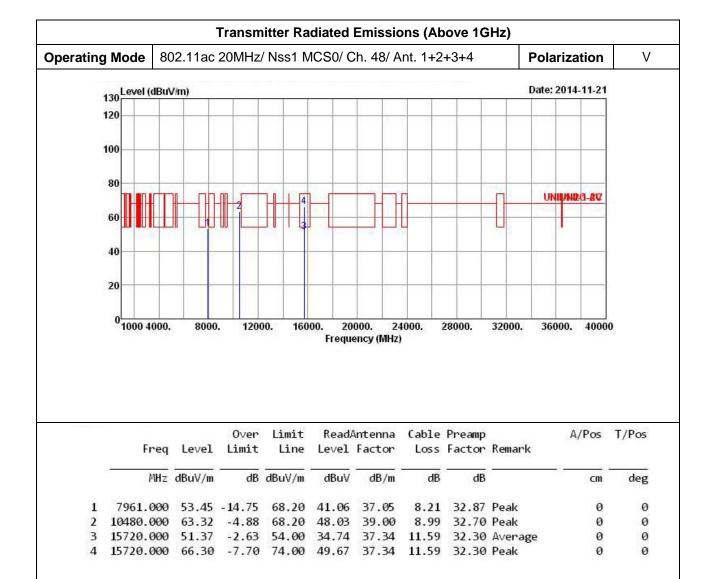
FAX: 886-3-327-0973

2

3



FCC Test Report No.: FR462540AN



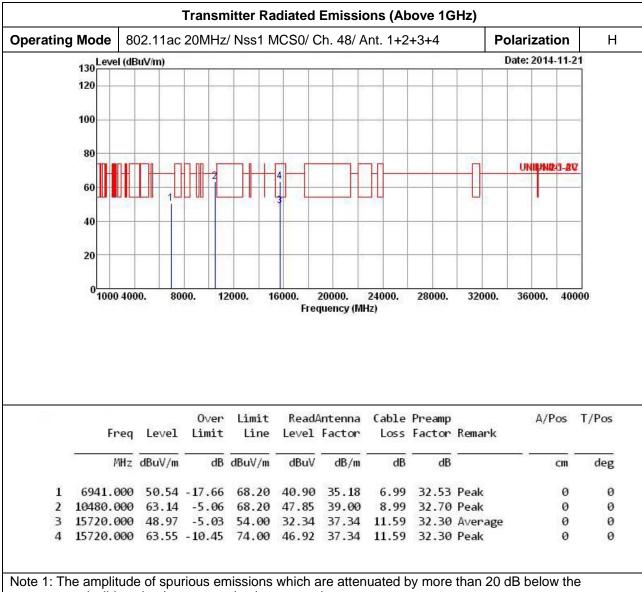
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

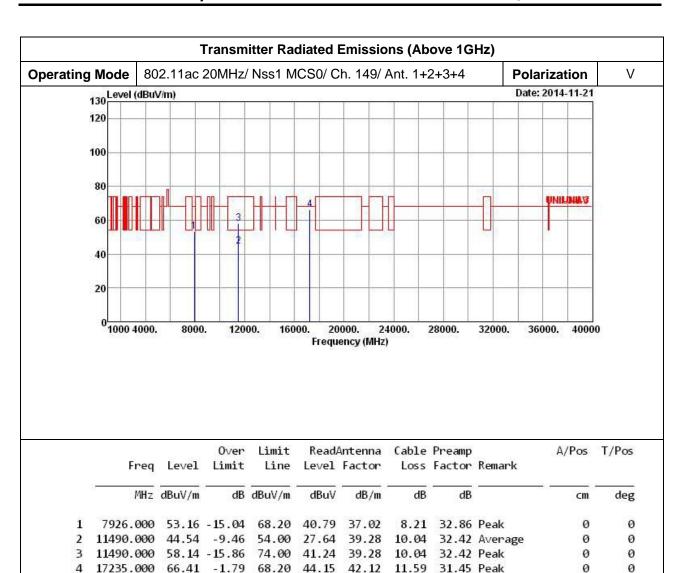
Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 174 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



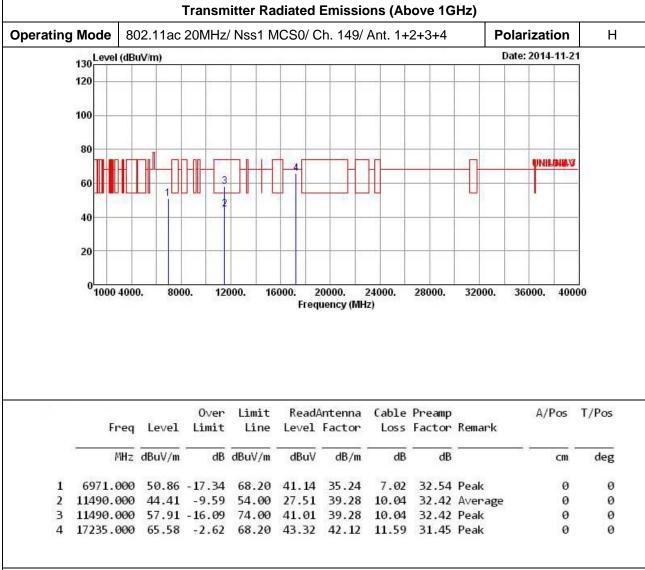
- permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 175 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 176 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

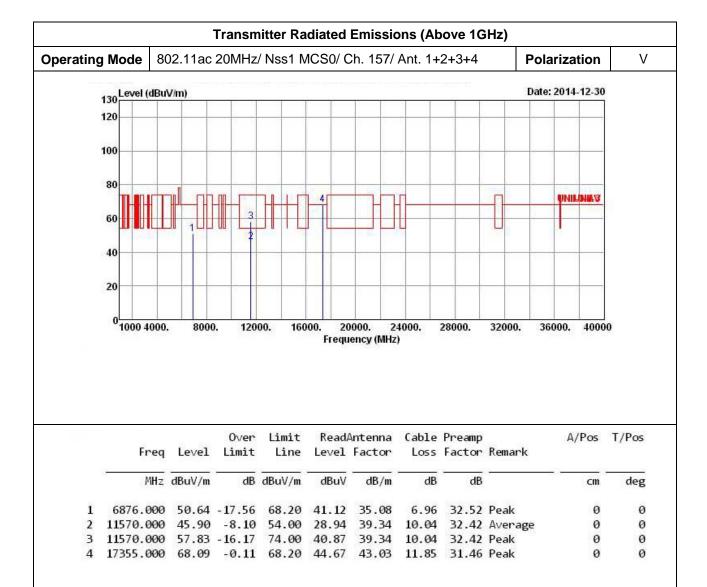


- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 177 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



FCC Test Report No.: FR462540AN



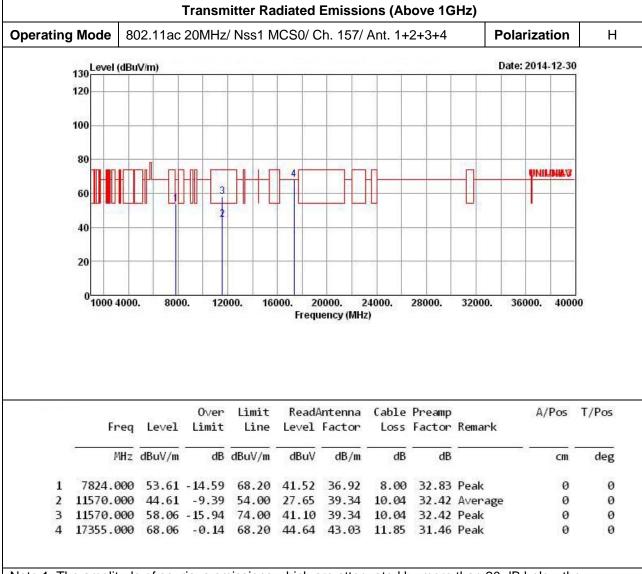
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 178 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



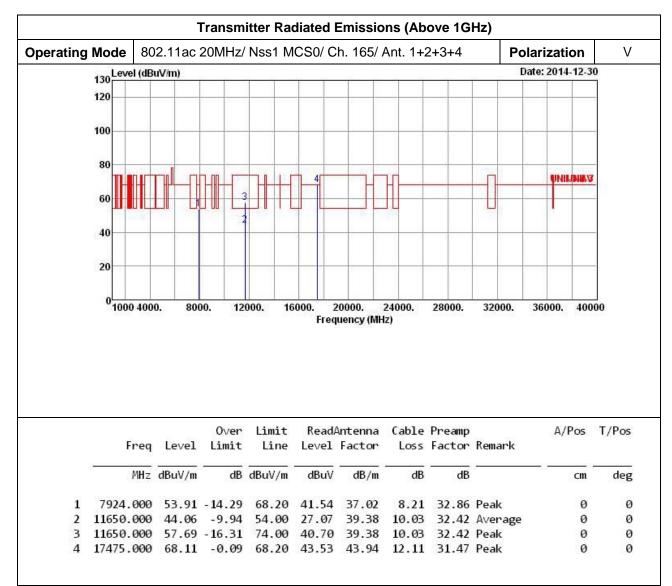
SPORTON INTERNATIONAL INC. Page No. : 179 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

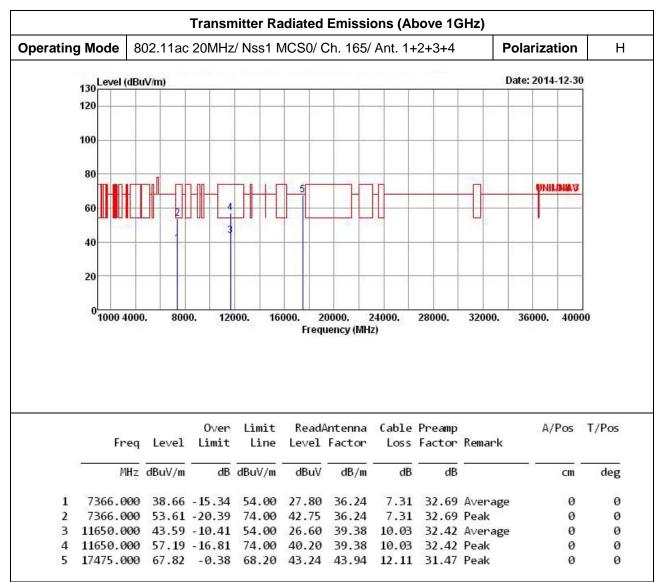
Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 180 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



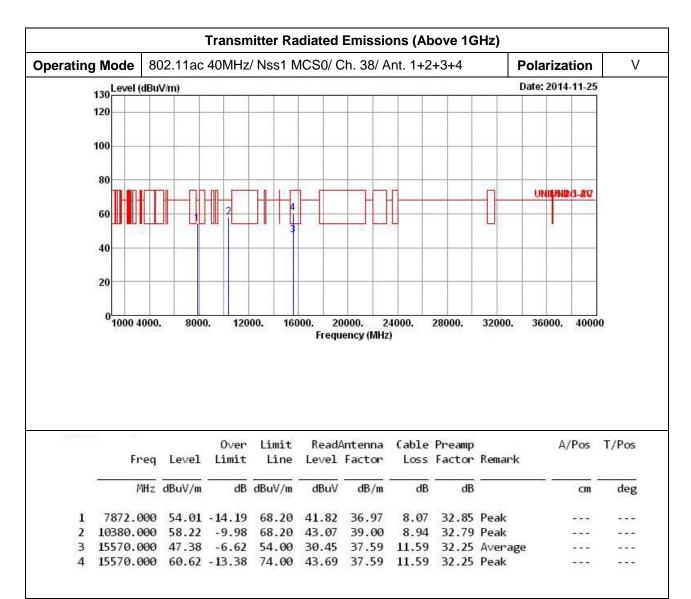
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

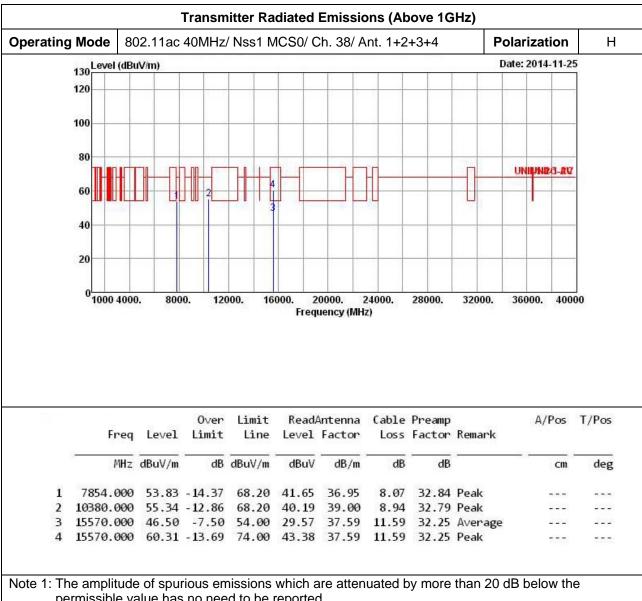
Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 181 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 182 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



permissible value has no need to be reported.

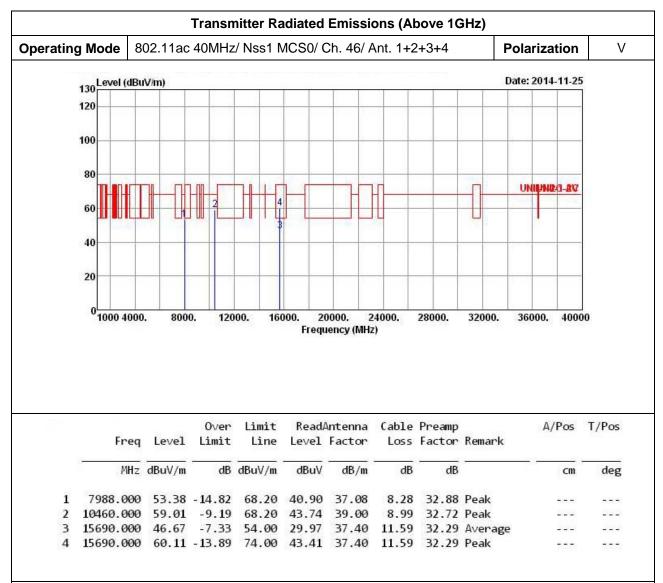
Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 183 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

FCC Test Report No.: FR462540AN



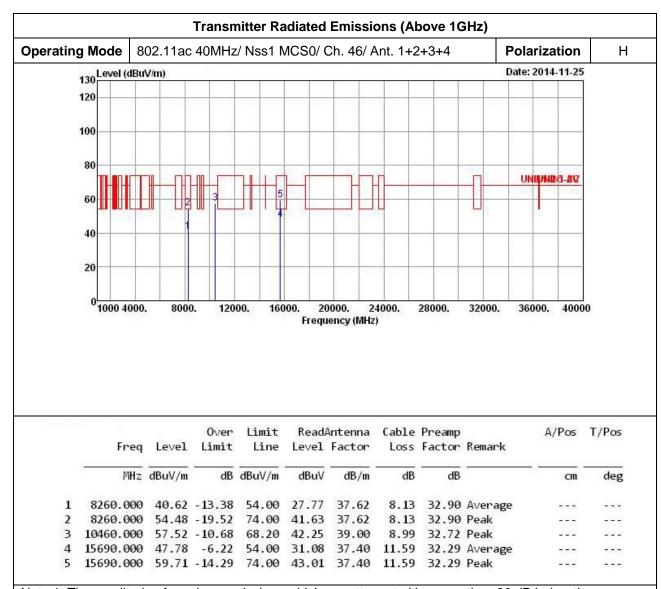
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

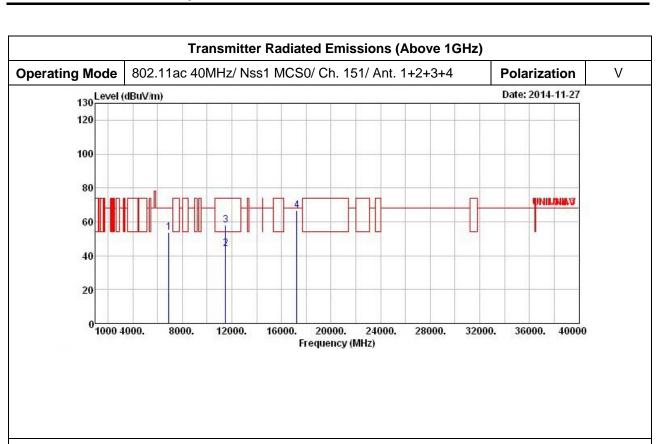
Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 184 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 185 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



	Freq	Le∨el		Limit Line						A/Pos	T/Pos
	MHz	dBuV/m	dB	$\overline{\text{dBuV/m}}$	dBuV	dB/m	dB	dB	-		deg
1	6918.000	53.95	- 14.25	68.20	44.35	35.14	6.99	32.53	Peak		
2	11510.000	44.26	-9.74	54.00	27.34	39.30	10.04	32.42	Average		
3	11510.000	57.85	-16.15	74.00	40.93	39.30	10.04	32.42	Peak	222	222
4	17265.000	66.77	-1.43	68.20	44.16	42.38	11.68	31.45	Peak	5.5.5.	

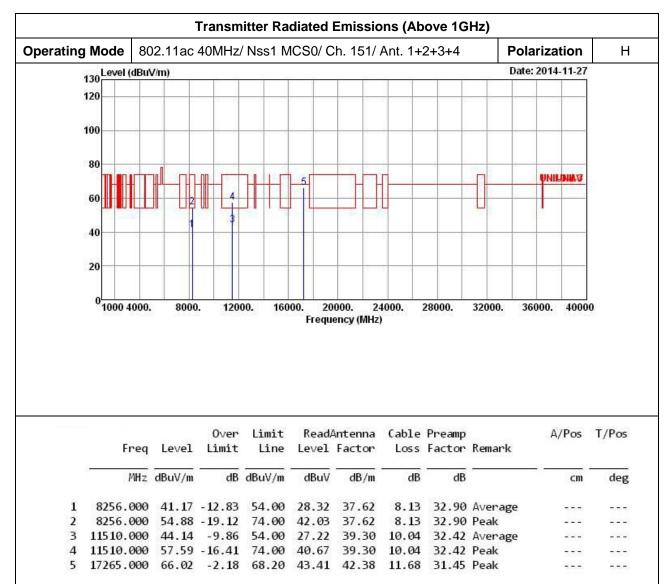
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 186 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



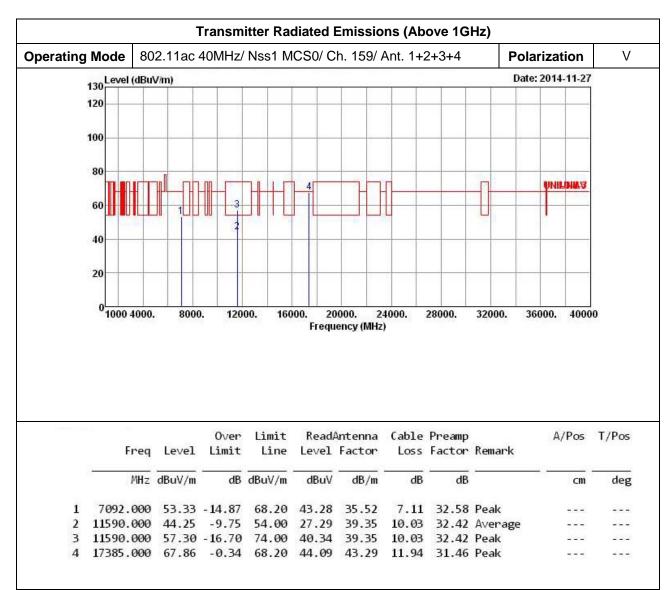
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 187 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

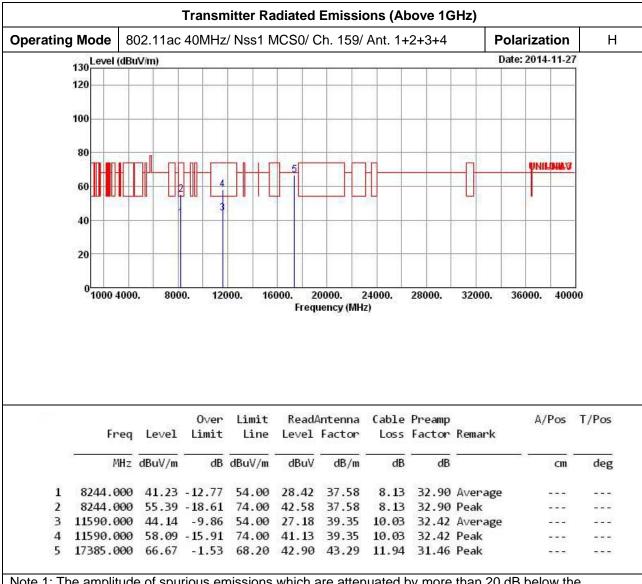
Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 188 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



SPORTON INTERNATIONAL INC. Page No. : 189 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

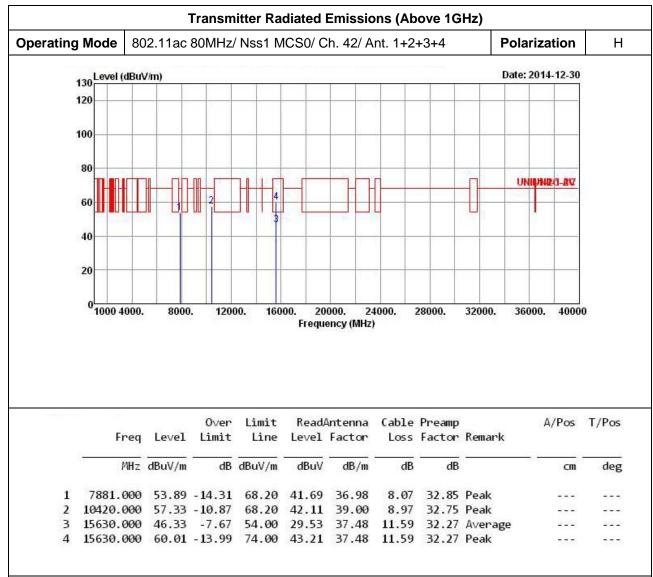
Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 80MHz/ Nss1 MCS0/ Ch. 42/ Ant. 1+2+3+4 **Polarization** V 130 Level (dBuV/m) Date: 2014-12-30 120 100 80 UNIDARG-AV 40 20 0 1000 4000. 8000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. 40000 Frequency (MHz) 0ver Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Loss Factor Remark Line Level Factor deg MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm 8000.000 54.13 -14.07 68.20 41.63 37.10 8.28 32.88 Peak 10420.000 56.84 -11.36 68.20 41.62 39.00 8.97 32.75 Peak 3 15630.000 45.89 -8.11 54.00 29.09 37.48 11.59 32.27 Average 4 15630.000 59.46 -14.54 74.00 42.66 37.48 11.59 32.27 Peak

Report No.: FR462540AN

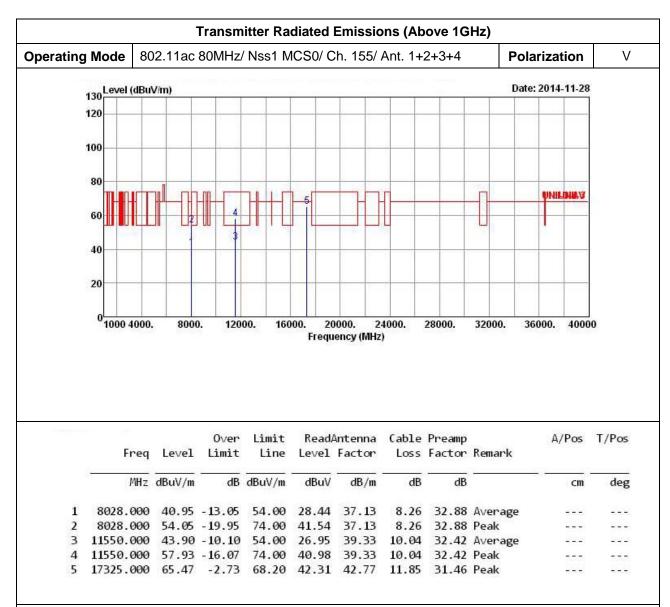
- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 190 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 191 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



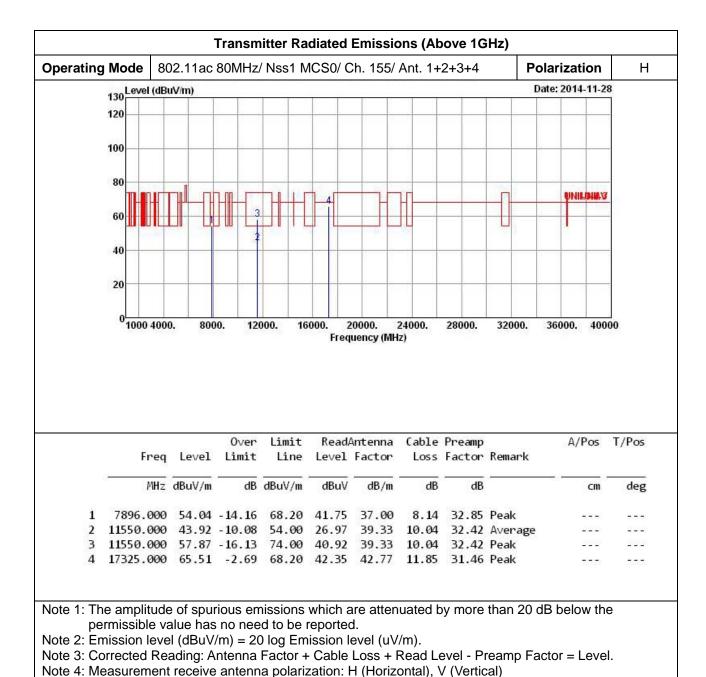
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 192 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

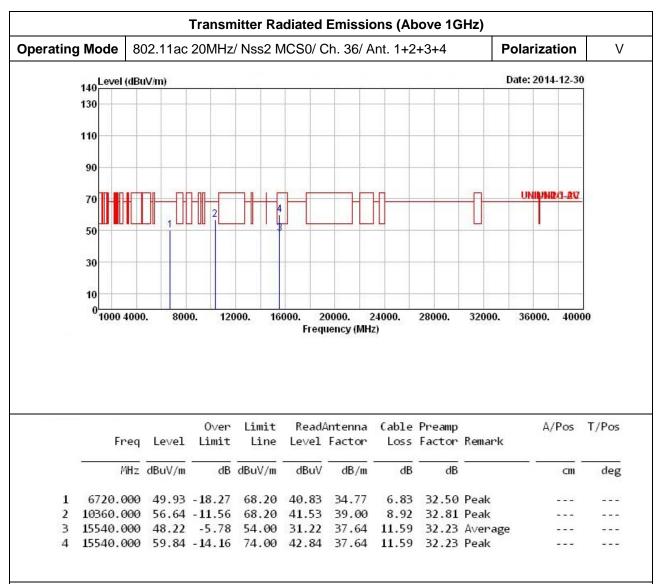


SPORTON INTERNATIONAL INC. Page No. : 193 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



4.10 Results of Radiated Emissions (Above 1GHz) TXBF Mode

Report No.: FR462540AN



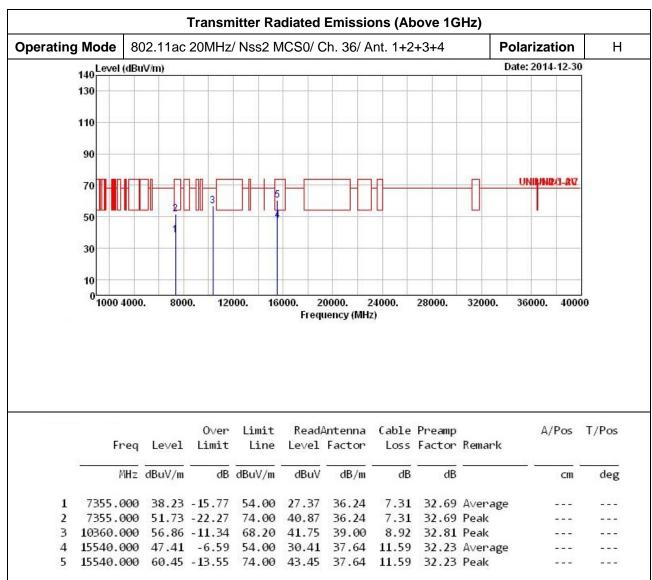
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 194 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

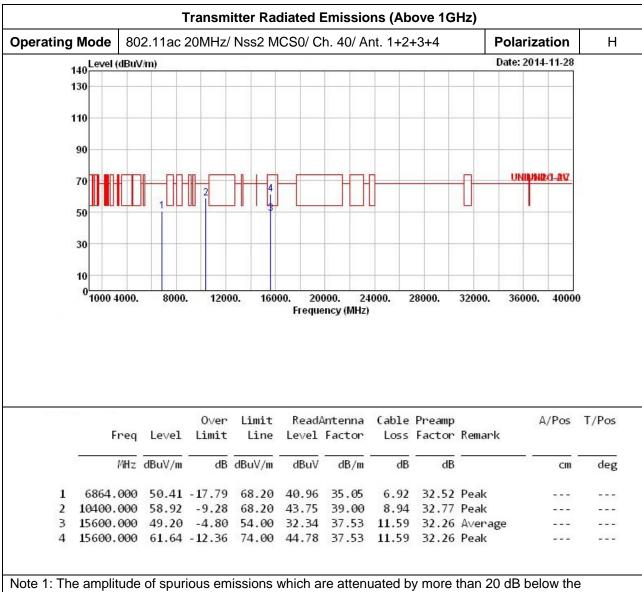
SPORTON INTERNATIONAL INC. Page No. : 195 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 20MHz/ Nss2 MCS0/ Ch. 40/ Ant. 1+2+3+4 **Polarization** ٧ 140 Level (dBuV/m) Date: 2014-11-28 130 110 90 UNIDAREG-AV 70 50 30 10 1000 4000. 28000. 12000. 20000. 24000. 32000. 36000. 40000 8000. 16000. Frequency (MHz) 0ver Limit ReadAntenna Cable Preamp A/Pos T/Pos Level Factor Freq Level Limit Line Loss Factor Remark MHz dBuV/m dB dBuV/m dB dB cm deg 7008.000 51.29 -16.91 68.20 41.48 35.30 7.05 32.54 Peak 2 10400.000 63.53 -4.67 68.20 48.36 39.00 8.94 32.77 Peak 3 15600.000 50.30 -3.70 54.00 33.44 37.53 11.59 32.26 Average 4 15600.000 65.25 -8.75 74.00 48.39 37.53 11.59 32.26 Peak

Report No.: FR462540AN

- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

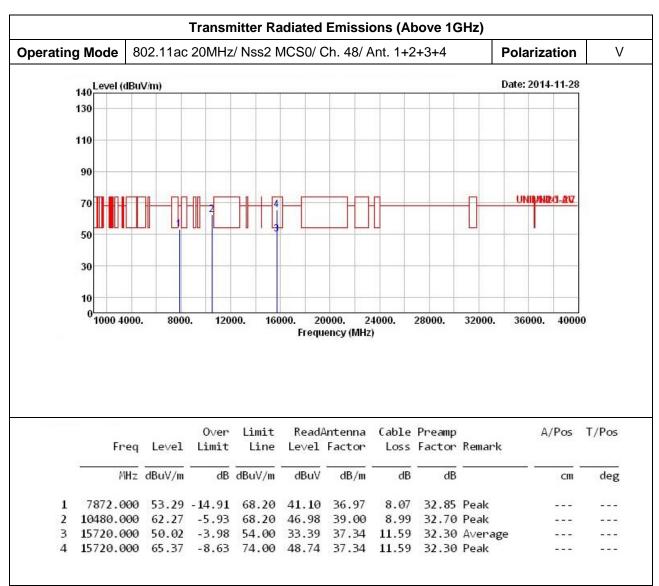
SPORTON INTERNATIONAL INC. Page No. : 196 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



- permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 197 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

FCC Test Report No.: FR462540AN



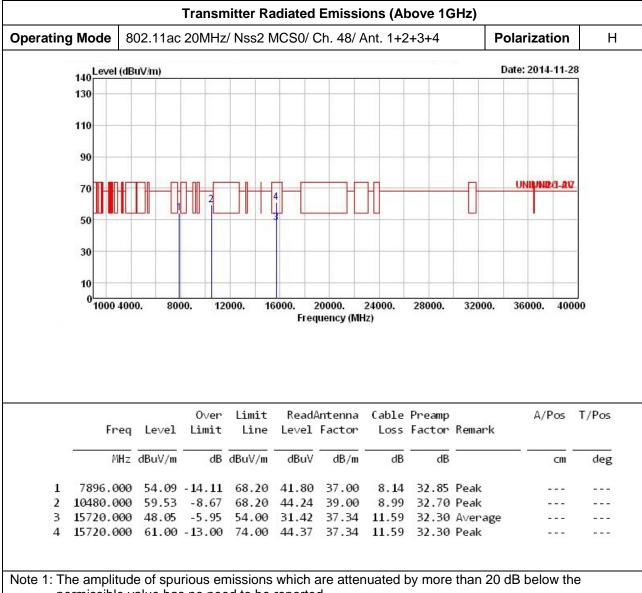
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 198 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



SPORTON INTERNATIONAL INC. Page No. : 199 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

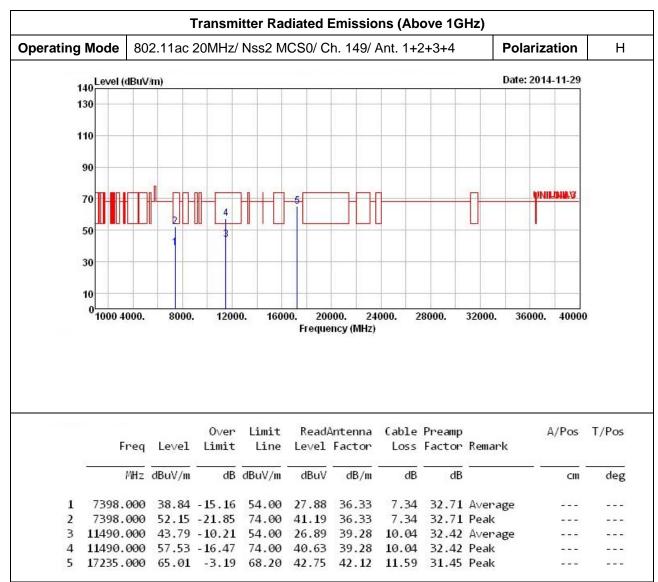
Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 20MHz/ Nss2 MCS0/ Ch. 149/ Ant. 1+2+3+4 **Polarization** V 140 Level (dBuV/m) Date: 2014-11-29 130 110 90 MILITANA 70 50 30 10 1000 4000. 8000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. 40000 Frequency (MHz) 0ver Limit ReadAntenna Cable Preamp A/Pos T/Pos Limit Line Level Factor Loss Factor Remark Freq Le∨el MHz dBuV/m dB dBuV/m dB dBuV dB/m dΒ cm deg 8016.000 54.65 -13.55 68.20 42.14 37.13 1 8.26 32.88 Peak 11490.000 43.63 - 10.37 54.00 26.73 39.28 10.04 32.42 Average) 3 11490.000 58.11 -15.89 74.00 41.21 39.28 10.04 32.42 Peak 17235.000 65.28 -2.92 68.20 43.02 42.12 11.59 31.45 Peak

Report No.: FR462540AN

- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 200 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



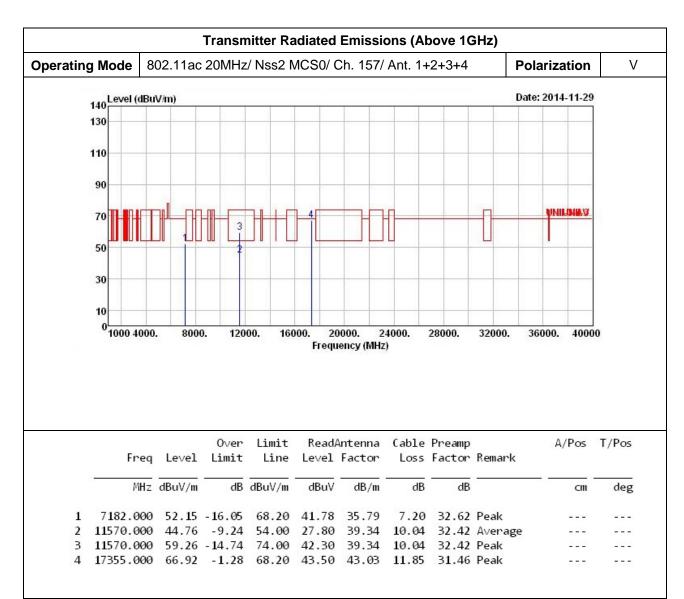
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 201 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



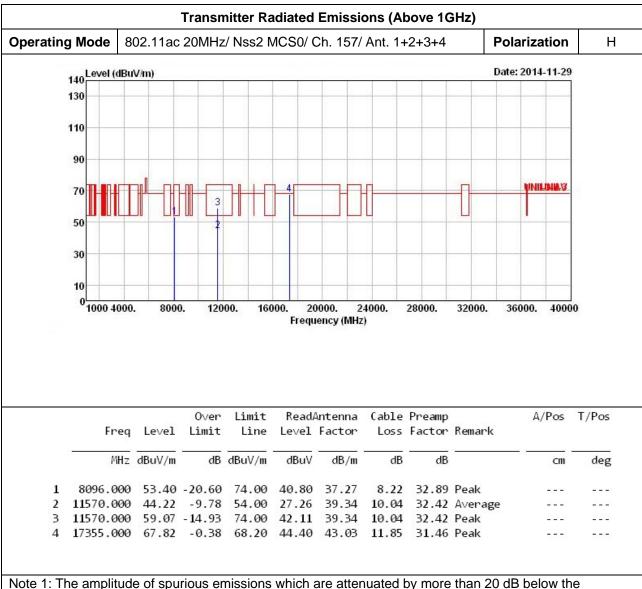
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 202 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



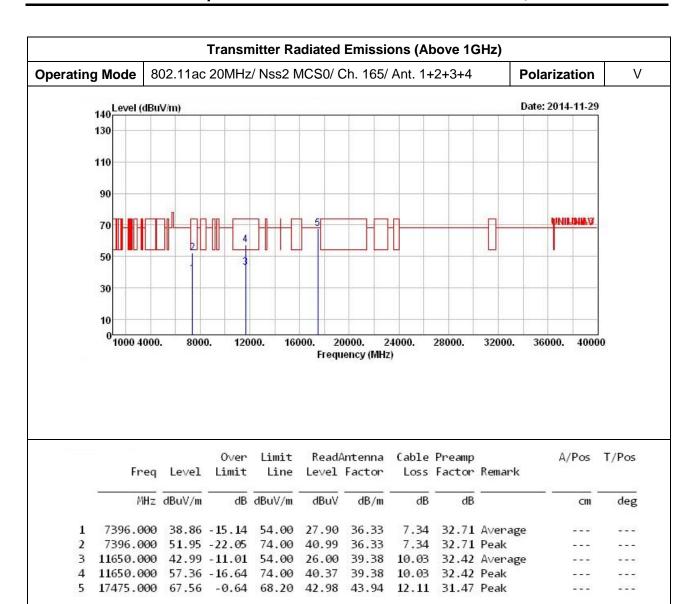
SPORTON INTERNATIONAL INC. Page No. : 203 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 204 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 20MHz/ Nss2 MCS0/ Ch. 165/ Ant. 1+2+3+4 **Polarization** Н 140 Level (dBuV/m) Date: 2014-11-29 130 110 90 MULTHIA 70 50 30 10 1000 4000. 8000. 12000. 20000. 24000. 28000. 32000. 36000. 40000 Frequency (MHz) 0ver Limit ReadAntenna Cable Preamp A/Pos T/Pos Level Factor Loss Factor Remark Limit Line Freq Level MHz dBuV/m dB dBuV/m dB dBuV dB/m dB deg cm 7028.000 52.07 -16.13 68.20 42.15 35.39 7.08 32.55 Peak 11650.000 43.65 -10.35 54.00 26.66 39.38 10.03 32.42 Average 11650.000 57.40 -16.60 74.00 40.41 39.38 3 10.03 32.42 Peak 4 17475.000 67.82 -0.38 68.20 43.24 43.94 12.11 31.47 Peak Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Report No.: FR462540AN

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 205 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 40MHz/ Nss2 MCS0/ Ch. 38/ Ant. 1+2+3+4 **Polarization** V 140 Level (dBuV/m) Date: 2014-12-30 130 110 90 UNIDARG-AV 70 50 30 10 1000 4000. 20000. 24000. 28000. 32000. 8000. 12000. 16000. 36000. 40000 Frequency (MHz) 0ver Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 7338.000 38.37 -15.63 54.00 27.54 36.20 7.31 32.68 Average 7338.000 51.54 -22.46 74.00 40.71 36.20 7.31 32.68 Peak 10380.000 57.96 -10.24 68.20 42.81 39.00 8.94 32.79 Peak 0 0 4 15570.000 46.34 -7.66 54.00 29.41 37.59 11.59 32.25 Average 0 0 5 15570.000 60.20 -13.80 74.00 43.27 37.59 11.59 32.25 Peak

Report No.: FR462540AN

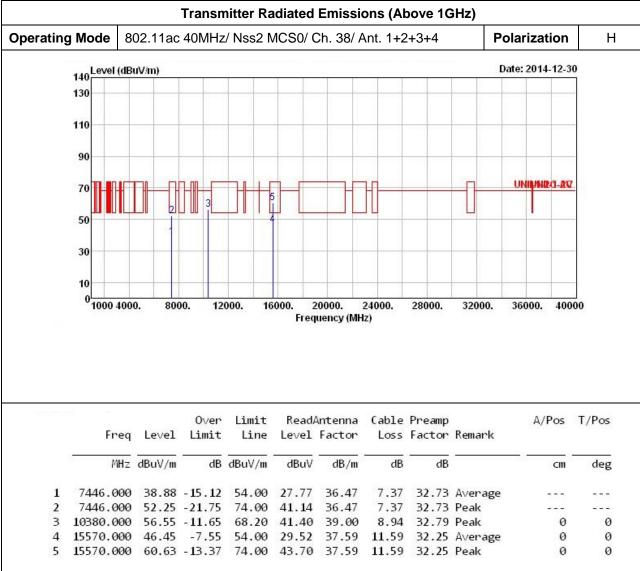
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 206 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 207 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

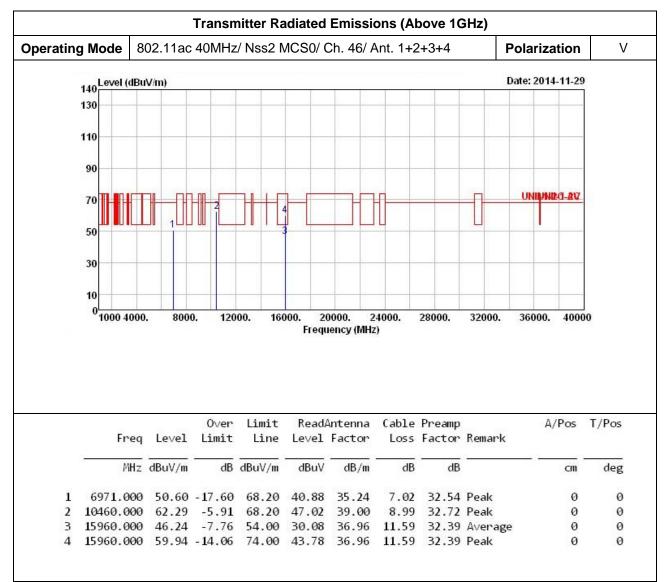
Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



FCC Test Report No.: FR462540AN



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 208 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 40MHz/ Nss2 MCS0/ Ch. 46/ Ant. 1+2+3+4 **Polarization** Н 140 Level (dBuV/m) Date: 2014-11-29 130 110 90 UNIDARE DENIUNU 50 30 10 1000 4000. 8000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. 40000 Frequency (MHz) Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB dB deg 0 8000.000 53.71 -14.49 68.20 41.21 37.10 8.28 32.88 Peak 0 10460.000 63.54 -4.66 68.20 48.27 39.00 8.99 32.72 Peak 0 0 15960.000 46.25 -7.75 54.00 30.09 36.96 11.59 32.39 Average 0 0 4 15960,000 60.37 -13.63 74.00 44.21 36.96 11.59 32.39 Peak 0 Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the

Report No.: FR462540AN

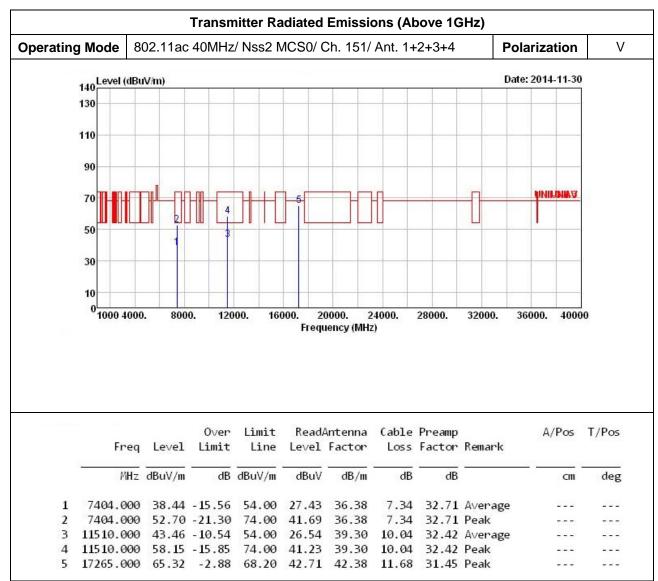
SPORTON INTERNATIONAL INC. Page No. : 209 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 210 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) 802.11ac 40MHz/ Nss2 MCS0/ Ch. 151/ Ant. 1+2+3+4 **Polarization Operating Mode** Н 140 Level (dBuV/m) Date: 2014-11-30 130 110 90 MINITOHAA 50 30 10 1000 4000. 12000. 16000. 20000. 24000. 28000. 32000. 8000. 36000. 40000 Frequency (MHz) Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark deg MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm

Report No.: FR462540AN

7392.000 38.88 -15.12 54.00 27.91 36.33 7.34 32.70 Average 7392.000 51.80 -22.20 74.00 40.83 36.33 7.34 32.70 Peak 3 11510.000 43.65 -10.35 54.00 26.73 10.04 39.30 32.42 Average 11510.000 57.91 -16.09 74.00 40.99 10.04 32.42 Peak 39.30 17265.000 65.26 -2.94 68.20 42.65 42.38 11.68 31.45 Peak

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 211 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 40MHz/ Nss2 MCS0/ Ch. 159/ Ant. 1+2+3+4 **Polarization** ٧ 140 Level (dBuV/m) Date: 2014-11-30 130 110 90 MILITONIA 50 30 10 1000 4000. 24000. 8000. 12000. 16000. 20000. 28000. 32000. 36000. 40000 Frequency (MHz) Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark

Report No.: FR462540AN

	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7988.000	51.41	-16.79	68.20	38.93	37.08	8.28	32.88 Peak		
2	11590.000	43.96	-10.04	54.00	27.00	39.35	10.03	32.42 Average	202020	202020
3	11590.000	58.34	- 15.66	74.00	41.38	39.35	10.03	32.42 Peak		
4	17385.000	67.70	-0.50	68.20	43.93	43.29	11.94	31.46 Peak		

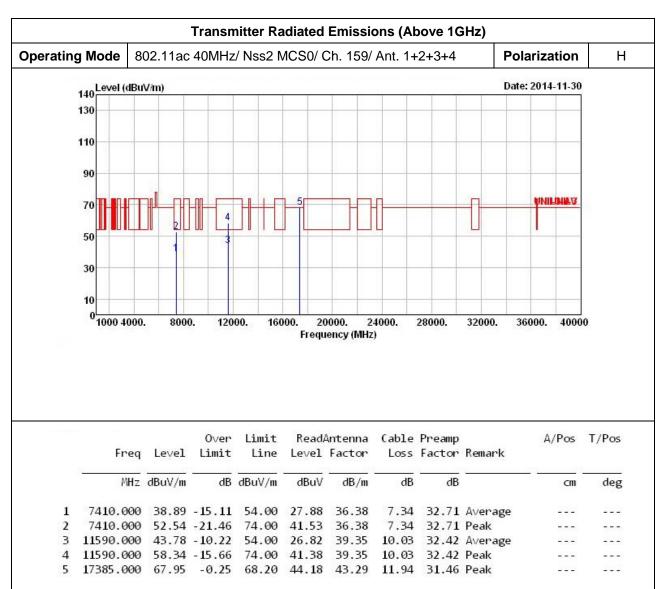
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 212 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



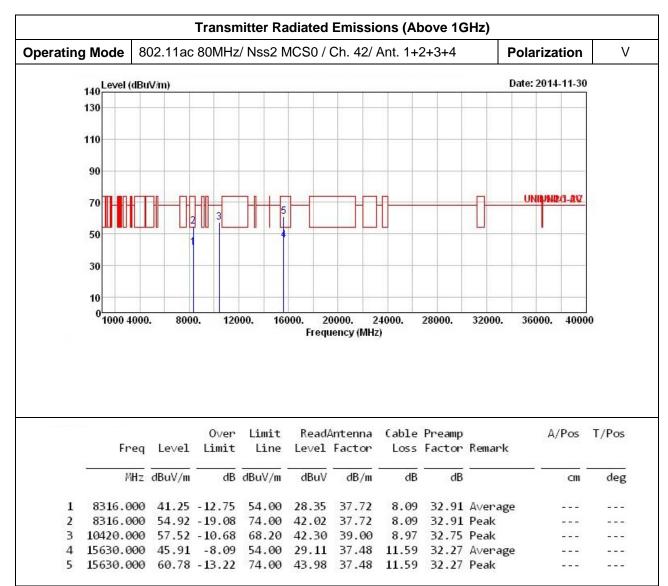
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 213 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 214 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 80MHz/ Nss2 MCS0/ Ch. 42/ Ant. 1+2+3+4 **Polarization** Н 140 Level (dBuV/m) Date: 2014-11-30 130 110 90 UNIDERED-AV 50 30 10 1000 4000. 8000. 12000. 24000. 28000. 32000. 16000. 20000. 36000. 40000 Frequency (MHz) ReadAntenna Cable Preamp Over Limit A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark

Report No.: FR462540AN

	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7902.000	53.20	- 15 . 00	68.20	40.91	37.00	8.14	32.85	Peak		
2	10420.000	56.83	-11.37	68.20	41.61	39.00	8.97	32.75	Peak		
3	15630.000	45.88	-8.12	54.00	29.08	37.48	11.59	32.27	Average	232	2.2.2.
4	15630.000	60.39	-13.61	74.00	43.59	37.48	11.59	32.27	Peak		

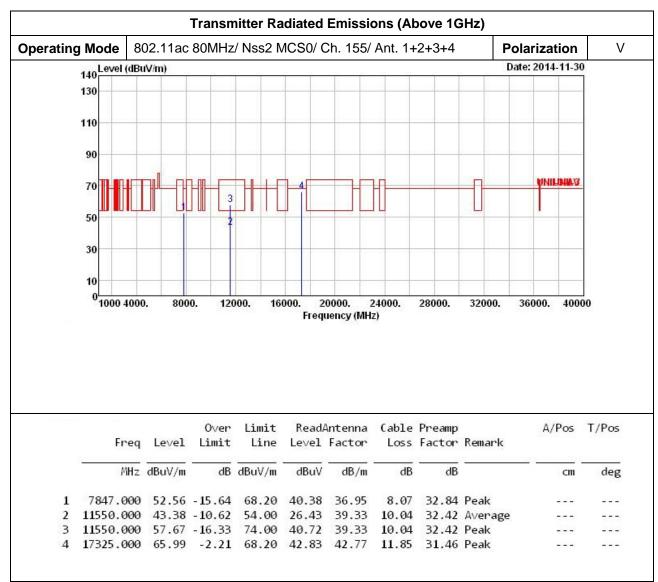
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 215 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



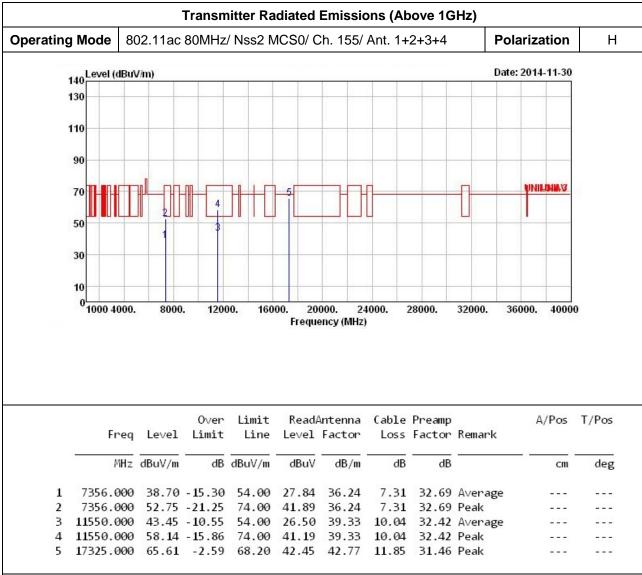
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 216 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

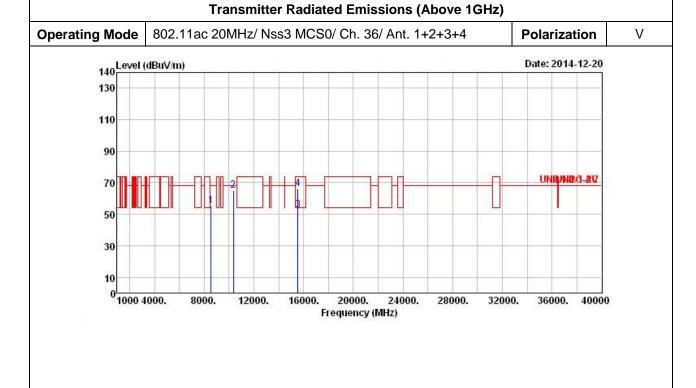
Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 217 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01





			0ver	Limit	ReadA	Antenna	Cable	Preamp		A/Pos	T/Pos
	Freq	Le∨el	Limit	Line	Level	Factor	Loss	Factor	Remark		
	MHz	dBuV/m	dB	$\overline{\text{dBuV/m}}$	dBuV	dB/m	dB	dB	9.	cm	deg
1	8574.000	55.43	-12.77	68.20	42.26	38.13	7.97	32.93	Peak	0	0
2	10360.000	65.19	-3.01	68.20	50.08	39.00	8.92	32.81	Peak	0	0
3	15540.000	52.92	-1.08	54.00	35.92	37.64	11.59	32.23	Average	0	0
4	15540.000	66.08	-7.92	74.00	49.08	37.64	11.59	32.23	Peak	0	0

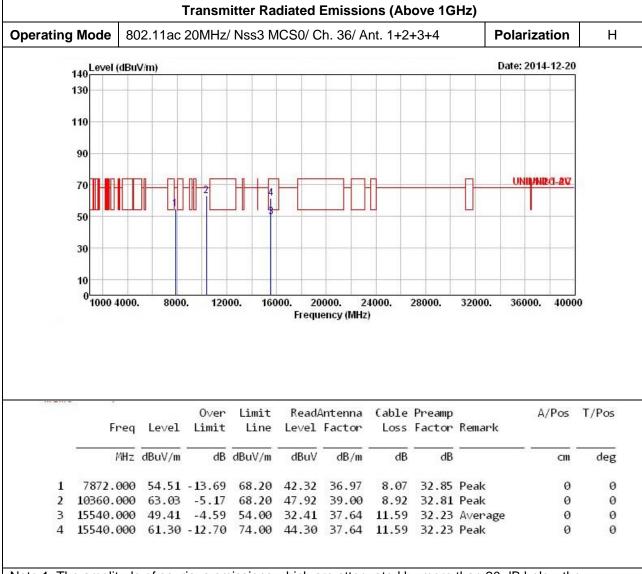
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 218 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



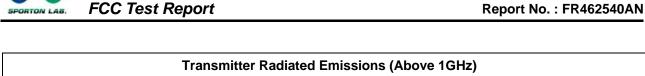
SPORTON INTERNATIONAL INC. Page No. : 219 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

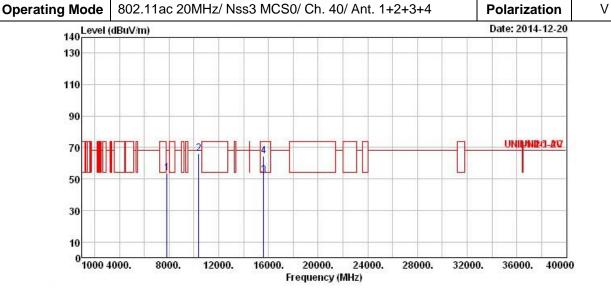
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)





		Freq	Le∨el	0∨er Limit			Antenna Factor				A/Pos	T/Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	Ĺ	7836.000	53.69	-14.51	68.20	41.60	36.93	8.00	32.84	Peak	0	0
2	2	10400.000	66.16	-2.04	68.20	50.99	39.00	8.94	32.77	Peak	0	0
3	3	15600.000	52.30	-1.70	54.00	35.44	37.53	11.59	32.26	Average	0	0
4	ı	15600.000	64.75	-9.25	74.00	47.89	37.53	11.59	32.26	Peak	0	0

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 220 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 20MHz/ Nss 3MCS0/ Ch. 40/ Ant. 1+2+3+4 **Polarization** Н 140 Level (dBuV/m) Date: 2014-12-20 130 110 90 UNIDARG-AV 50 30 10 1000 4000. 12000. 20000. 24000. 28000. 32000. 36000. 40000 Frequency (MHz) Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB dB cm deg 7.34 32.70 Average 1 7380.000 39.05 -14.95 54.00 28.12 36.29 0 0 7380.000 52.79 -21.21 74.00 41.86 36.29 2 7.34 32.70 Peak 0 0 3 10400.000 63.78 -4.42 68.20 48.61 39.00 8.94 32.77 Peak 0 0 4 15600.000 49.20 -4.80 54.00 32.34 37.53 11.59 32.26 Average 0 0

Report No.: FR462540AN

0

0

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

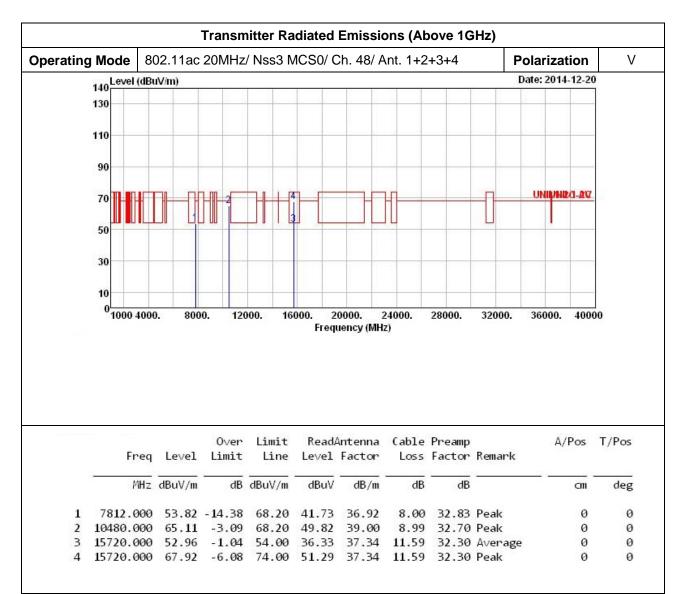
15600.000 63.70 -10.30 74.00 46.84 37.53 11.59 32.26 Peak

SPORTON INTERNATIONAL INC. Page No. : 221 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

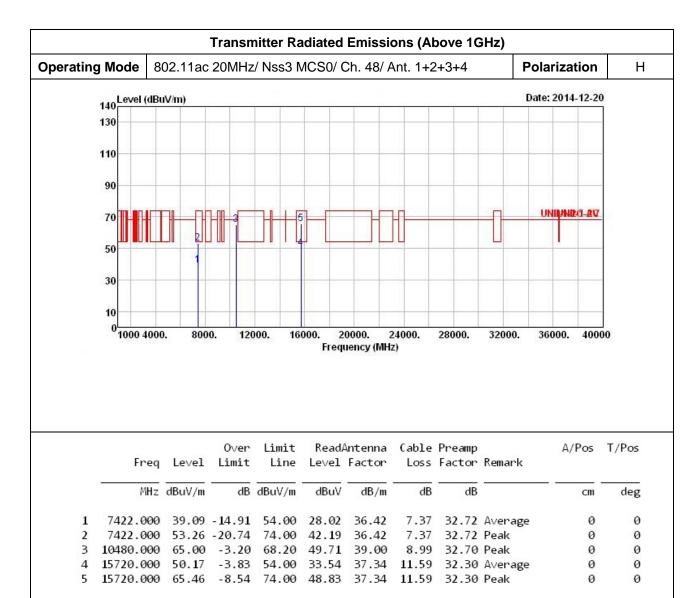
Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 222 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



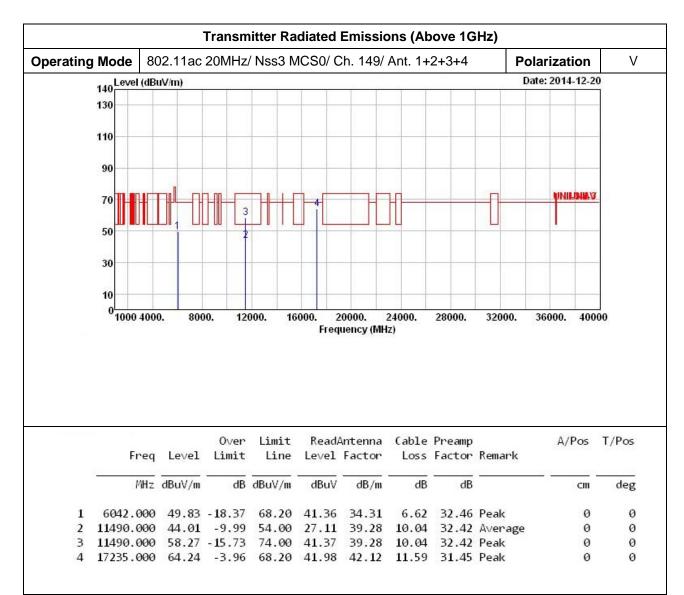
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

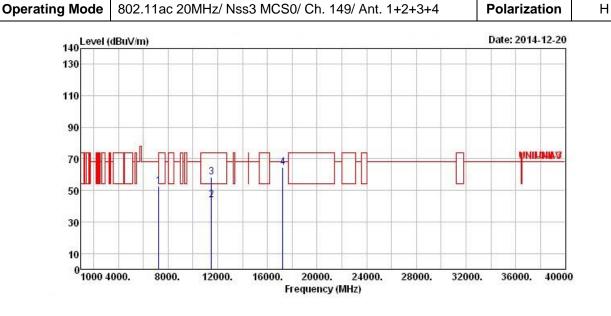
SPORTON INTERNATIONAL INC. Page No. : 223 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 224 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz)



	Freq	Le∨el	0∨er Limit	Limit Line		Antenna Factor		- 20 - 1 20		A/Pos	T/Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	8	cm	deg
1	7248.000	52.90	-15.30	68.20	42.34	35.97	7.23	32.64	Peak	0	0
2	11490.000	44.12	-9.88	54.00	27.22	39.28	10.04	32.42	Average	0	0
3	11490.000	58.13	-15.87	74.00	41.23	39.28	10.04	32.42	Peak	0	0
4	17235.000	64.65	-3.55	68.20	42.39	42.12	11.59	31.45	Peak	0	0

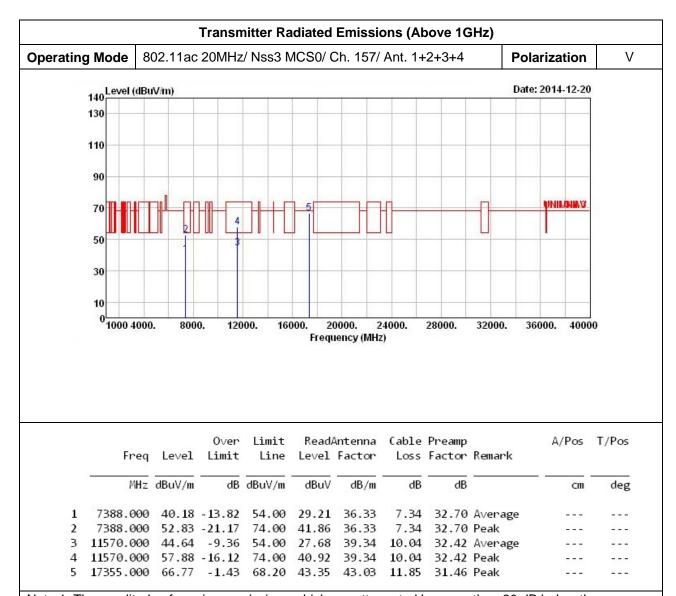
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 225 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 226 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 20MHz/ Nss3 MCS0/ Ch. 157/ Ant. 1+2+3+4 **Polarization** Н 140 Level (dBuV/m) Date: 2014-12-20 130 110 90 INITIONALA 70 50 30 10 1000 4000. 8000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. 40000 Frequency (MHz) Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dBdeg 7904.000 54.66 -13.54 68.20 42.38 37.00 8.14 32.86 Peak 11570.000 45.60 -8.40 54.00 28.64 39.34 10.04 32.42 Average ------3 11570.000 56.85 -17.15 74.00 39.89 39.34 10.04 32.42 Peak

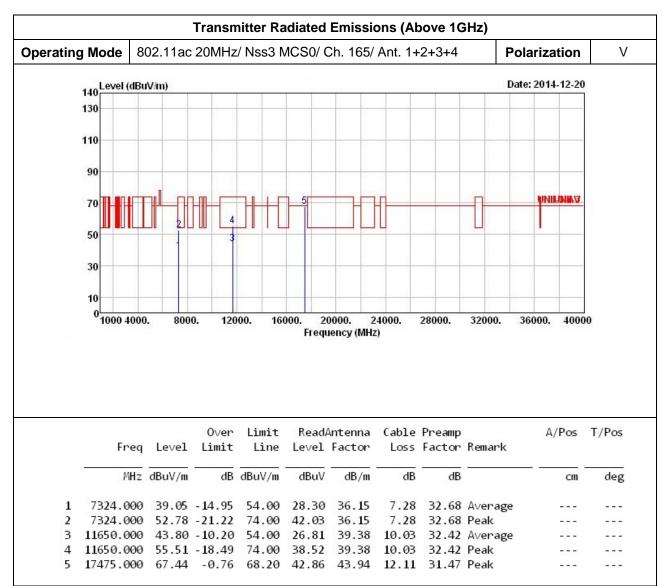
Report No.: FR462540AN

Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

4 17355,000 67.93 -0.27 68.20 44.51 43.03 11.85 31.46 Peak

- Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 227 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



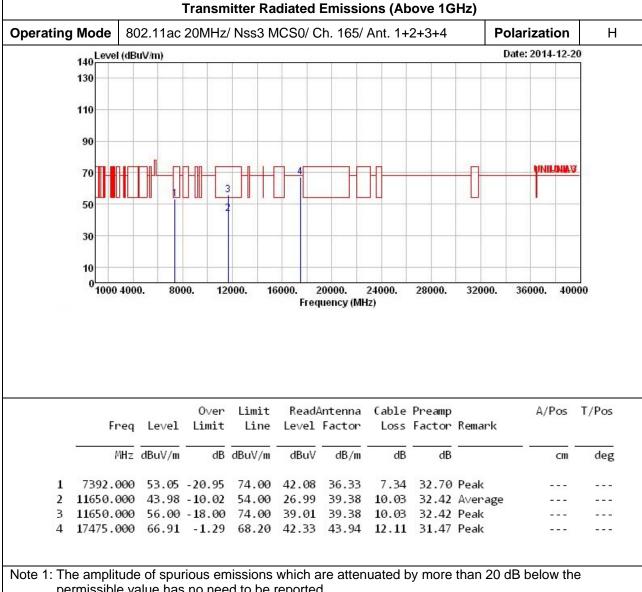
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 228 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



SPORTON INTERNATIONAL INC. Page No. : 229 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

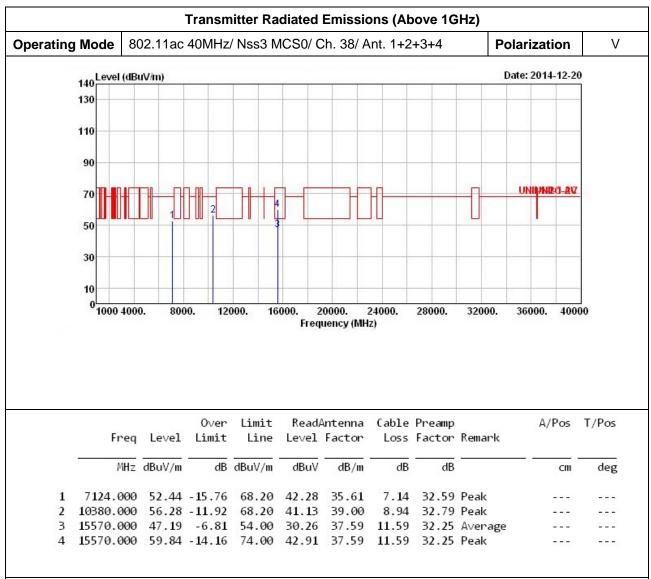
permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

FCC Test Report No.: FR462540AN



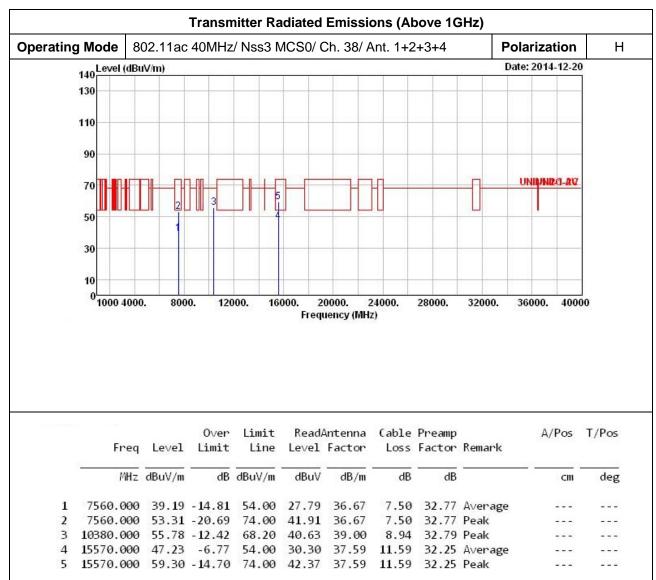
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 230 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



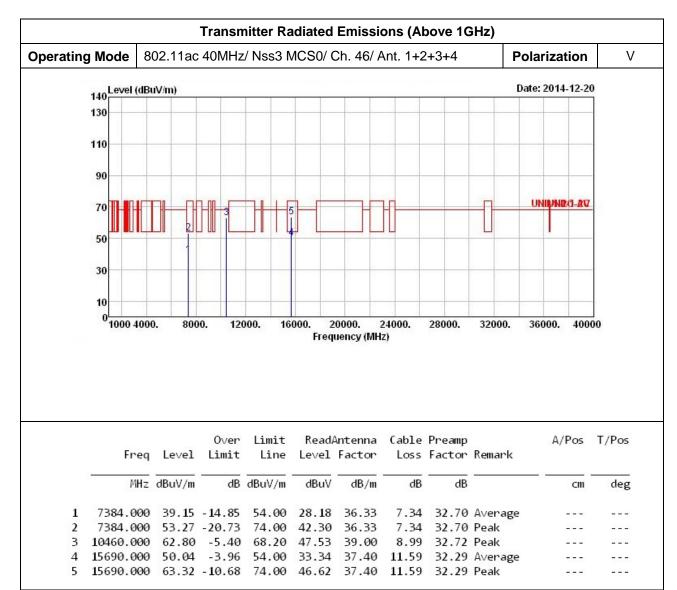
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 231 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 232 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 40MHz/ Nss3 MCS0/ Ch. 46/ Ant. 1+2+3+4 **Polarization** Н 140 Level (dBuV/m) Date: 2014-12-20 130 110 90 UNIDARE CLAV 50 30 10 1000 4000. 12000. 16000. 20000. 24000. 28000. 32000. 36000. Frequency (MHz) Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dB dBuV dB/m dB cm deg 7052.000 52.12 -16.08 68.20 42.17 35.43 7.08 32.56 Peak 1 10460.000 62.72 -5.48 68.20 47.45 39.00 8.99 32.72 Peak ------3 15690.000 49.08 -4.92 54.00 32.38 37.40 11.59 32.29 Average 15690,000 64.27 -9.73 74.00 47.57 37.40 11.59 32.29 Peak Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

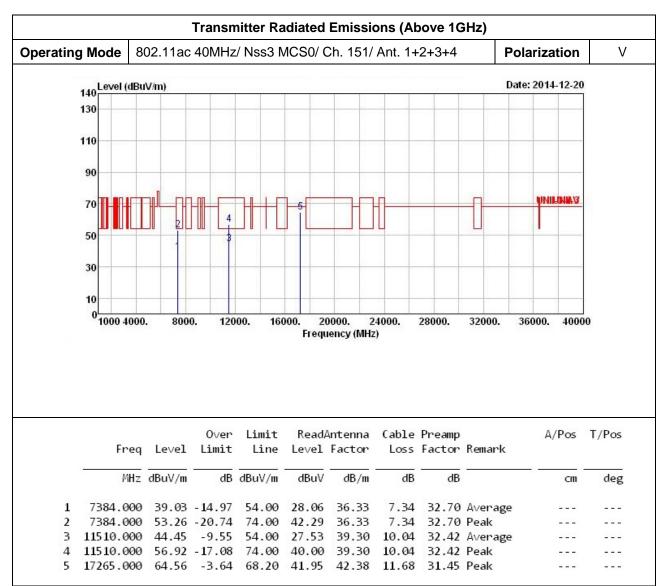
Report No.: FR462540AN

SPORTON INTERNATIONAL INC. Page No. : 233 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 234 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Transmitter Radiated Emissions (Above 1GHz) Operating Mode 802.11ac 40MHz/ Nss3 MCS0/ Ch. 151/ Ant. 1+2+3+4 **Polarization** Н 140 Level (dBuV/m) Date: 2014-12-20 130 110 90 MILITARIA 70 50 30 10 1000 4000. 24000. 28000. 36000. 40000 8000. 12000. 16000. 20000. 32000. Frequency (MHz) Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Level Factor Loss Factor Remark Freq Level Limit Line MHz dBuV/m dB dBuV/m dBuV dB deg dB/m dB cm 7896.000 54.16 -14.04 68.20 41.87 37.00 8.14 32.85 Peak 11510.000 44.68 -9.32 54.00 27.76 39.30 10.04 32.42 Average 3 11510.000 56.56 -17.44 74.00 39.64 39.30 10.04 32.42 Peak ---4 17265.000 64.14 -4.06 68.20 41.53 42.38 11.68 31.45 Peak ---Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

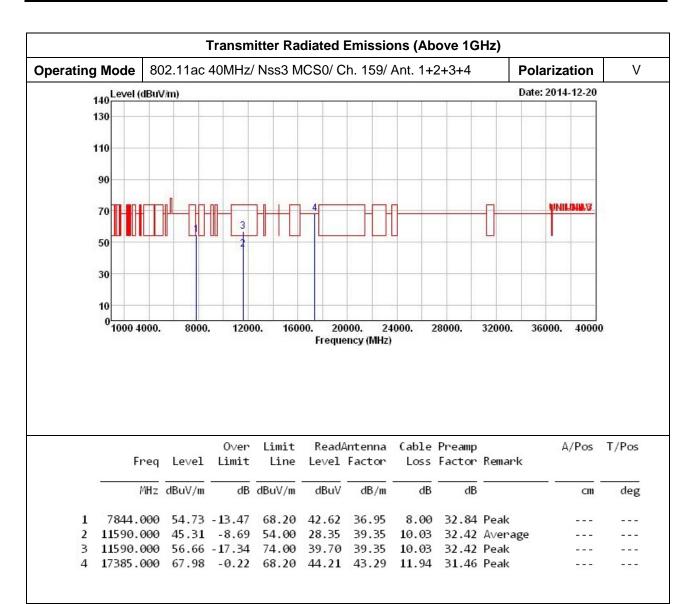
Report No.: FR462540AN

SPORTON INTERNATIONAL INC. Page No. : 235 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

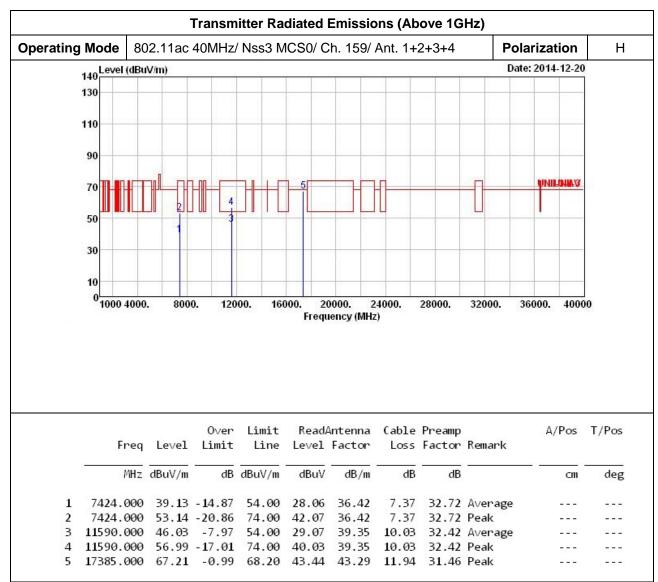
Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



- Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level.
- Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 236 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



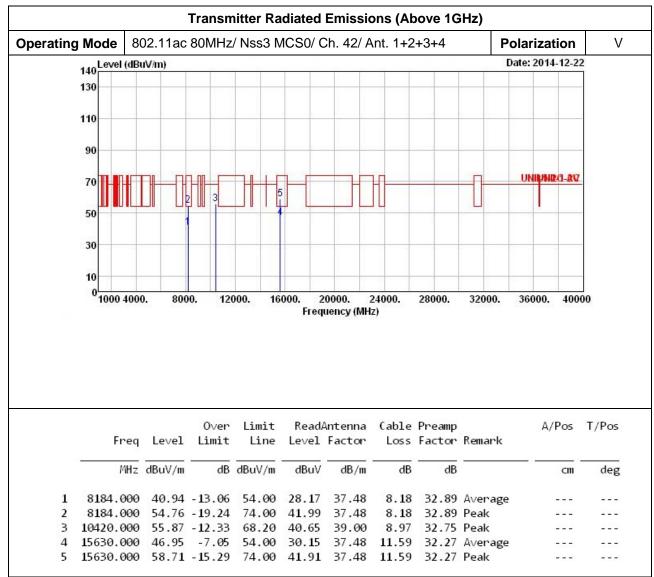
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 237 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



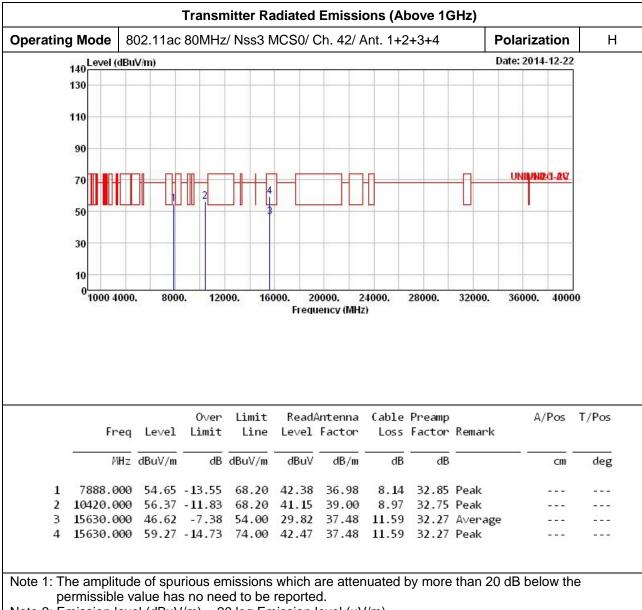
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

SPORTON INTERNATIONAL INC. Page No. : 238 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

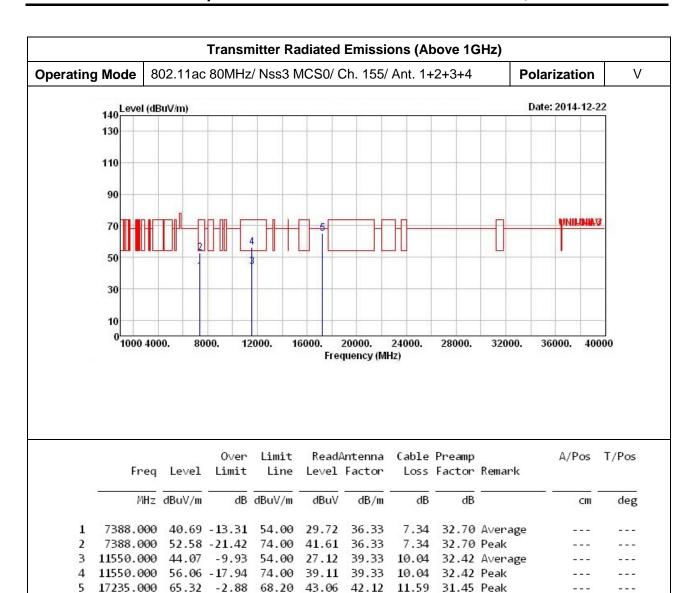


SPORTON INTERNATIONAL INC. Page No. : 239 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



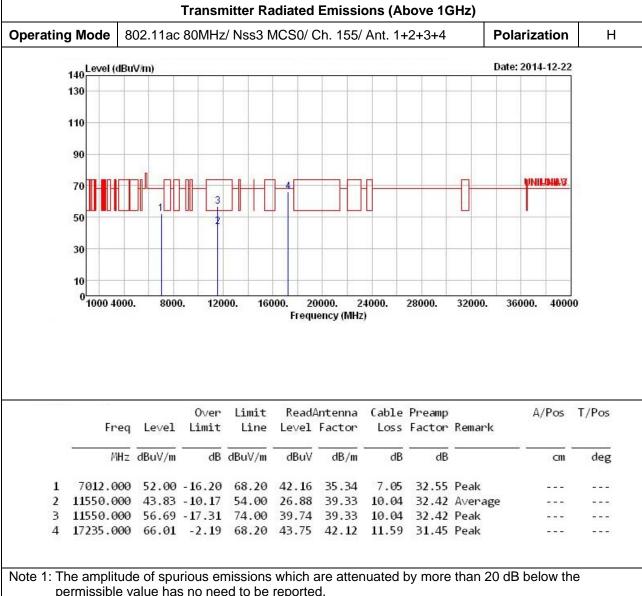
Note 1: The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 240 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01



SPORTON INTERNATIONAL INC. Page No. : 241 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

permissible value has no need to be reported.

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)



4.11 Test Result of Band Edge and Fundamental Emissions

Following channel(s) was (were) selected for the final test as listed below.

MODE	TX Chain	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	
802.11a	Ant.1+2+3+4 (CDD)	36, 40, 48 149, 157, 165	OFDM	BPSK	6	
802.11ac 20MHz	Ant.1+2+3+4 (CDD)	36, 40, 48 149, 157, 165	OFDM	BPSK	Nss1MCS0 (6.5)	
802.11ac 40MHz	Ant.1+2+3+4 (CDD)	38, 46 151, 159	OFDM	BPSK	Nss1MCS0 (13.5)	
802.11ac 80MHz	Ant.1+2+3+4 (CDD)	42, 155	OFDM	BPSK	Nss1MCS0 (29.3)	

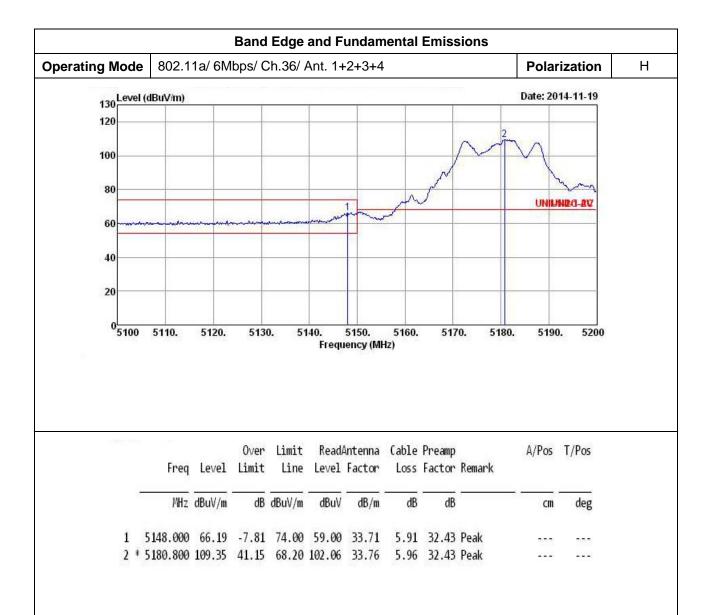
Report No.: FR462540AN

MODE	TX Chain	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
802.11ac 20MHz	Ant.1+2+3+4 (TXBF)	36, 40, 48 149, 157, 165	OFDM	BPSK	Nss2MCS0 (13.0)
802.11ac 40MHz	Ant.1+2+3+4 (TXBF)	38, 46 151, 159	OFDM	BPSK	Nss2MCS0 (27.0)
802.11ac 80MHz	Ant.1+2+3+4 (TXBF)	42, 155	OFDM	BPSK	Nss2MCS0 (58.5)

MODE	TX Chain	TESTED	MODULATION	MODULATION	DATA RATE
WODL	17 Orialii	CHANNEL	TECHNOLOGY	TYPE	(Mbps)
802.11ac 20MHz	Ant.1+2+3+4	36, 40, 48	OFDM	BPSK	Nss3MCS0
OUZ. ITAC ZUIVINZ	(TXBF)	149, 157, 165	OFDIVI	DESK	(19.5)
802.11ac 40MHz	Ant.1+2+3+4	38, 46	OFDM	BPSK	Nss3MCS0
002.11ac 401VITZ	(TXBF)	151, 159	OFDIVI	DESK	(40.5)
902 1100 90MH -	Ant.1+2+3+4	40.455	OFDM	BPSK	Nss3MCS0
802.11ac 80MHz	(TXBF)	42, 155	OFDIVI	Drok	(87.8)

SPORTON INTERNATIONAL INC. Page No. : 242 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01





Report No.: FR462540AN

Note 1: Item 3, 4 are the fundamental frequency at 5180 MHz

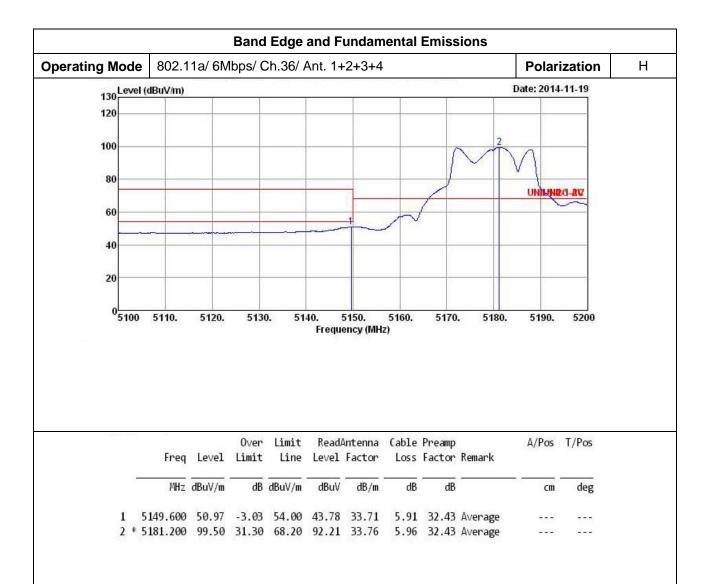
Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 243 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01





Report No.: FR462540AN

Note 1: Item 3, 4 are the fundamental frequency at 5180 MHz

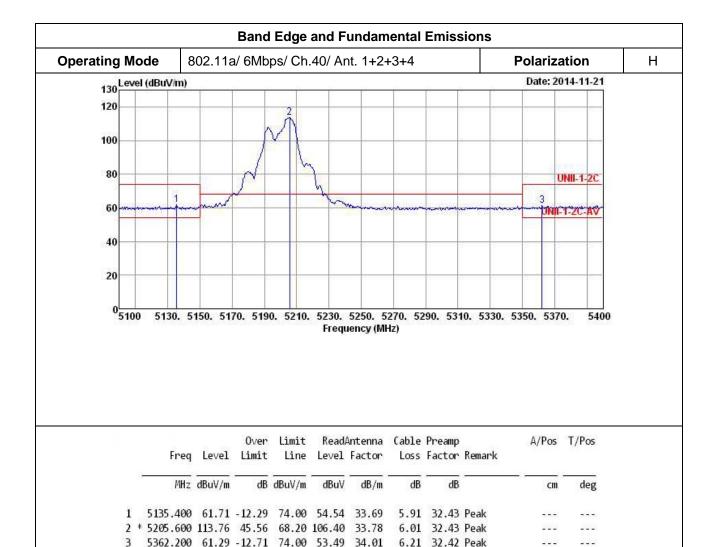
Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 244 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

FCC Test Report No.: FR462540AN



Note 1: Item 3, 4 are the fundamental frequency at 5200 MHz

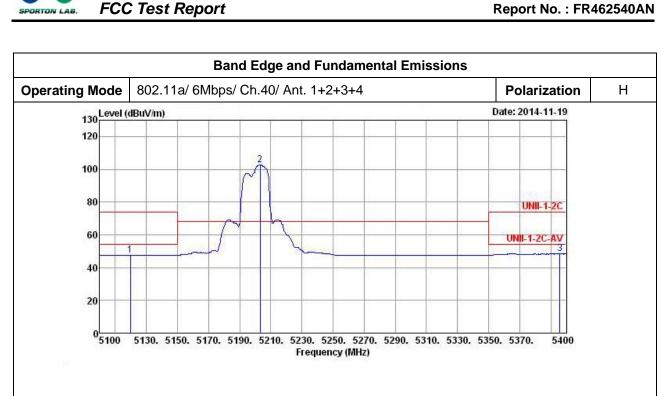
Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 245 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01





				0ver	Limit	Read	Antenna	Cable	Preamp		A/Pos	T/Pos
		Freq	Level	Limit	Line	Le∨el	Factor	Loss	Factor	Remark		
	1.5	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg
1		5119.800	47.62	-6.38	54.00	40.48	33.66	5.91	32.43	Average	5.5.5	
2	*	5203.200	102.78	34.58	68.20	95.42	33.78	6.01	32.43	Average		
3		5395.800	48.40	-5.60	54.00	40.50	34.06	6.26	32.42	Average	202020	202020

Note 1: Item 3, 4 are the fundamental frequency at 5200 MHz

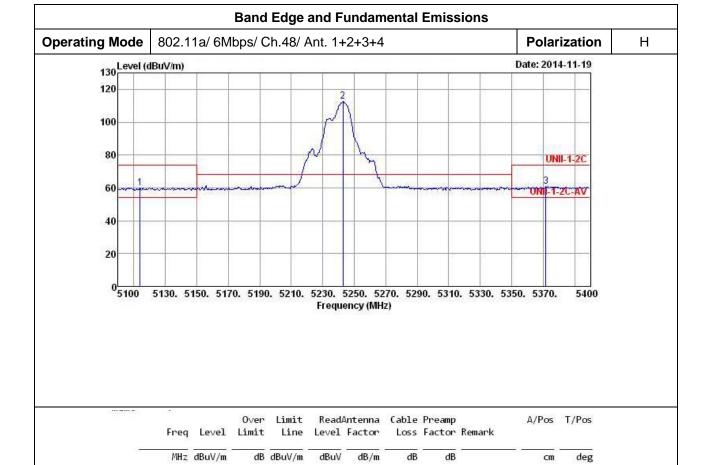
Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 246 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01





5.86 32.43 Peak

6.06 32.43 Peak

200

Note 1: Item 3	1 are the fundamental f	requency at 5240 MHz
Note 1. Item 5.	4 are the fundamental r	reduency at 5240 Minz

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

5113.800 60.07 -13.93 74.00 52.98 33.66

3 5371.800 60.77 -13.23 74.00 52.97 34.01 6.21 32.42 Peak

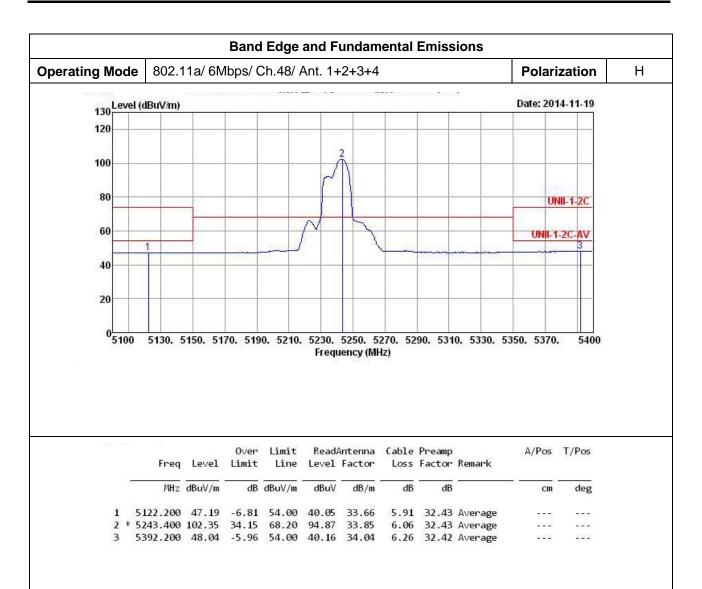
2 * 5242.800 112.51 44.31 68.20 105.03 33.85

SPORTON INTERNATIONAL INC. Page No. : 247 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)





Report No.: FR462540AN

Note 1: Item 3, 4 are the fundamental frequency at 5240 MHz

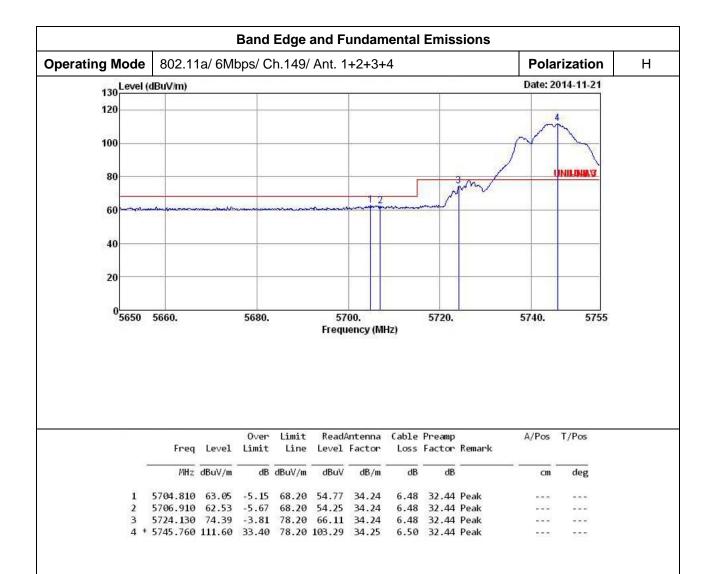
Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 248 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01

FCC Test Report No.: FR462540AN



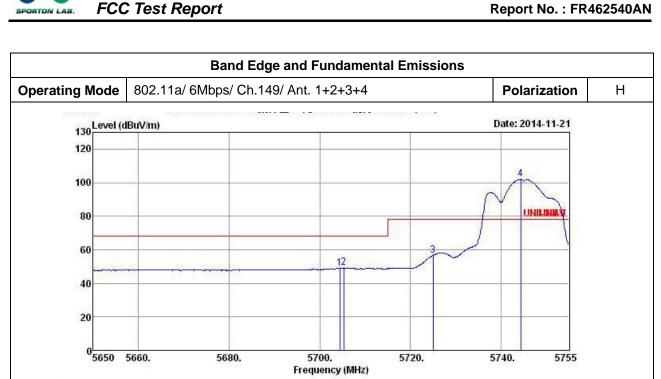
Note 1: Item 3, 4 are the fundamental frequency at 5745 MHz

Note 2: Emission level (dBuV/m) = 20 log Emission level (uV/m).

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 249 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01



			0ver	Limit	Read	Antenna	Cable	Preamp		A/Pos	T/Pos
	Fred	Level	Limit	Line	Level	Factor	Loss	Factor	Remark		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	5704.390	49.08	-19.12	68.20	40.80	34.24	6.48	32.44	Average	7,7,7	
2	5705.230	49.27	-18.93	68.20	40.99	34.24	6.48	32.44	Average		
3	5724.976	56.80	-21.40	78.20	48.52	34.24	6.48	32.44	Average	202020	202020
4	* 5744.296	101.95	23.75	78.20	93.64	34.25	6.50	32.44	Average		

Note 1: Item 3, 4 are the fundamental frequency at 5745 MHz

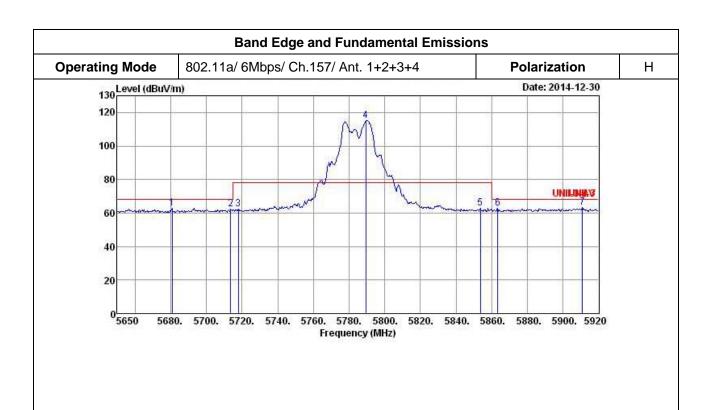
Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 250 of 342 TEL: 886-3-327-3456 Report Version : Rev. 01

FCC Test Report No.: FR462540AN



				0ver	Limit	Read	Antenna	Cable	Preamp		A/Pos	T/Pos
		Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark		
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	3 7	cm	deg
1		5680.780	63.06	-5.14	68.20	54.80	34.23	6.46	32.43	Peak		
2		5713.720	62.35	-5.85	68.20	54.07	34.24	6.48	32.44	Peak	222	222
3		5718.040	62.47	-15.73	78.20	54.19	34.24	6.48	32.44	Peak	202	2020
4	*	5789.320	115.02	36.82	78.20	106.68	34.26	6.52	32.44	Peak	5.5.5	3.55
5		5853.580	62.75	- 15.45	78.20	54.39	34.27	6.54	32.45	Peak	555	555
6		5863.300	62.61	-5.59	68.20	54.23	34.27	6.56	32.45	Peak	222	222
7		5910.820	63.49	-4.71	68.20	55.08	34.28	6.58	32.45	Peak	20120120	20120120

Note 1: Item 3, 4 are the fundamental frequency at 5785 MHz

Note 2: Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Note 3: Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Note 4: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

SPORTON INTERNATIONAL INC. Page No. : 251 of 342
TEL: 886-3-327-3456 Report Version : Rev. 01