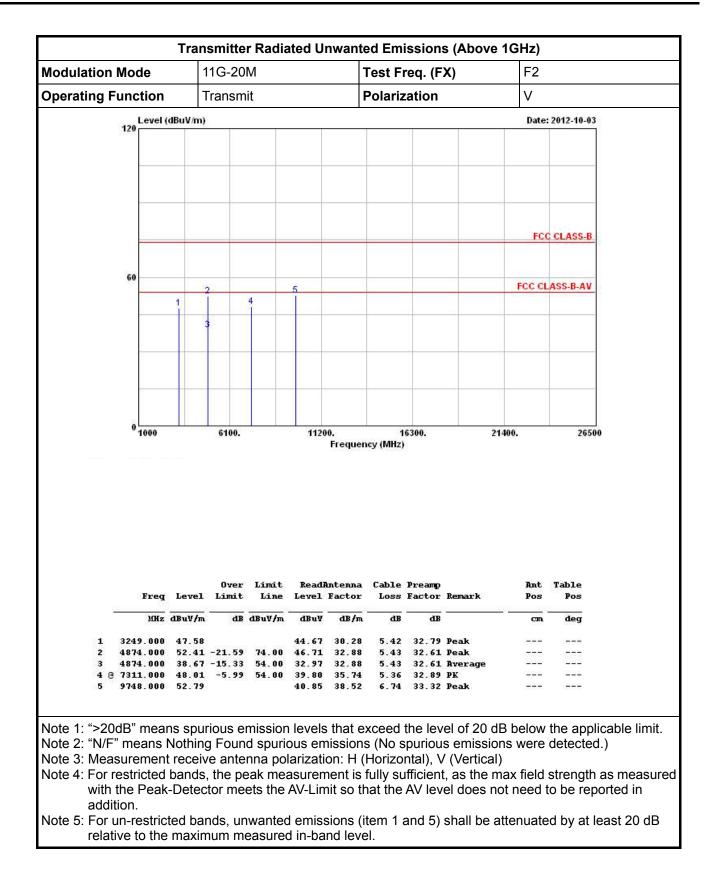


3.6.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11G-20M-N_{Tx}1

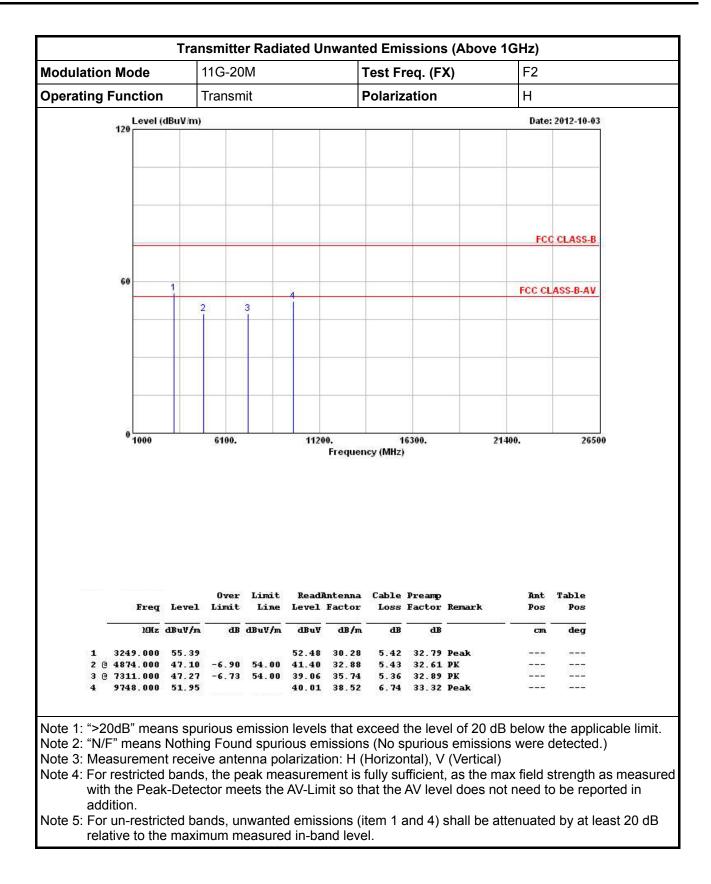


	Modulation Mode			11G-20M			Test Freq. (FX)			F1	
Operating Function		Tra	Transmit			Po	Polarization			Н	
	Level (dBuV/m)	/m) Date: 2012-10-(
	120										
										FC	CLASS-
	60									500.01	
		31 	-	3	4			_		FCC CL	ASS-B-A
		2		3	-						
	-				-		-				
	0 1000		6100.		1120		1 nev (MHz)	6300.	2	21400.	26
	1000	Level	Over	Limit Line		Frequer	Cable	Preamp	Remark	21400. Ant Pos	26 Table Pos
	- 1000 Freq	Level dBuV/m	Over Limit		ReadA	Frequer	Cable	Preamp	Remark	Ant	Table
1	- 1000 Freq 	dBuV/m 53.85	Over Limit dB	Line dBuV/m	ReadA Level dBuV 51.01	ntenna Factor dB/m 30.21	Cable Loss dB 5.42	Preamp Factor	Remark	Ant Pos	Table Pos
1 2 3	Егеq МНz 3216.000 4824.000	dBuV/m 53.85 42.87	Over Limit dB -11.13	Line dBuV/m	ReadR Level dBuV 51.01 37.27	ntenna Factor dB/m 30.21	Cable Loss dB 5.42 5.43	Preamp Factor dB	Remark Peak PK	Ant Pos	Table Pos

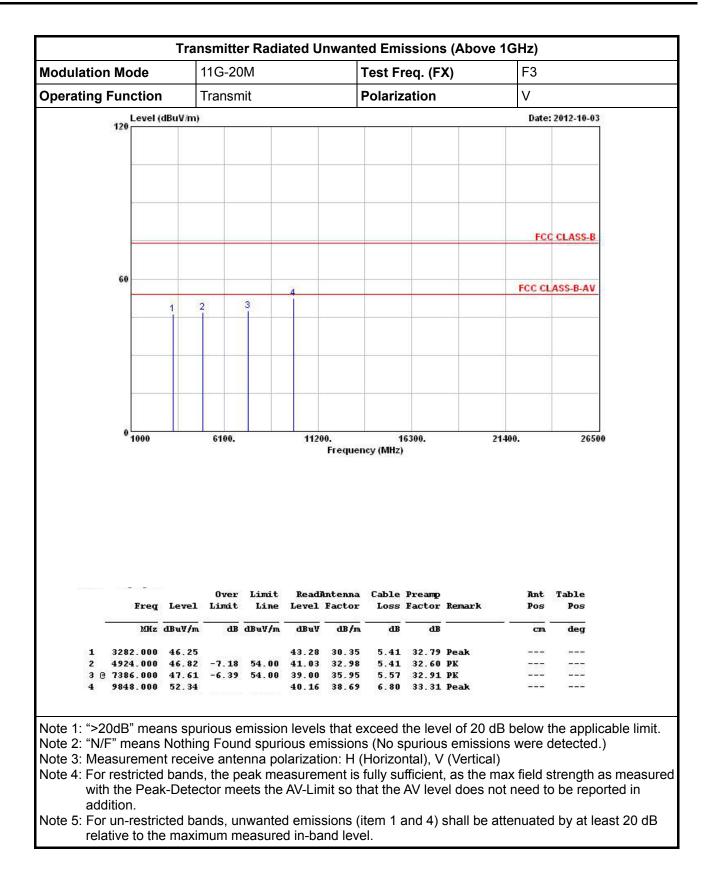




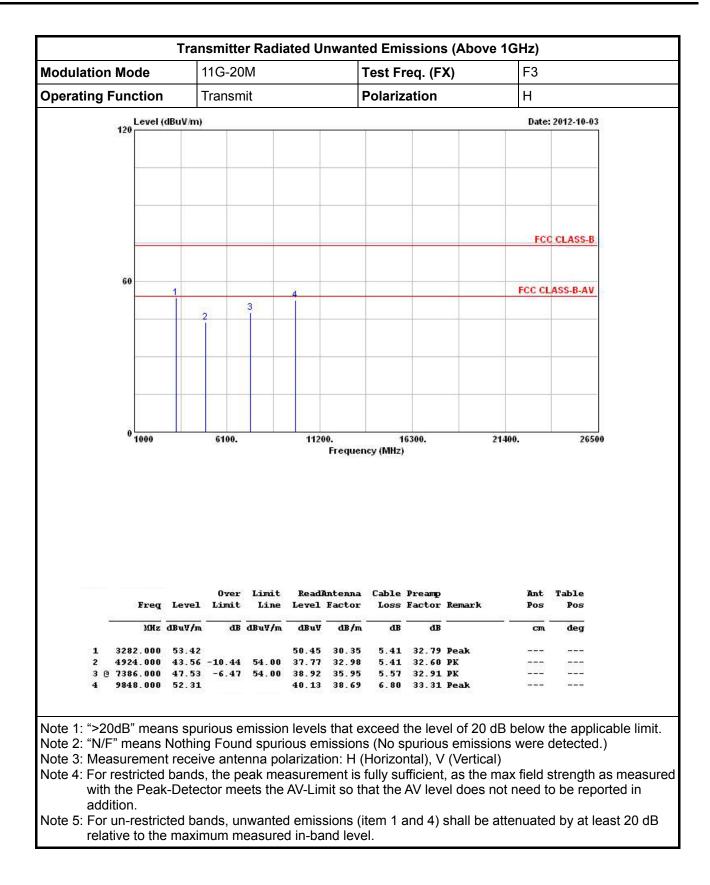




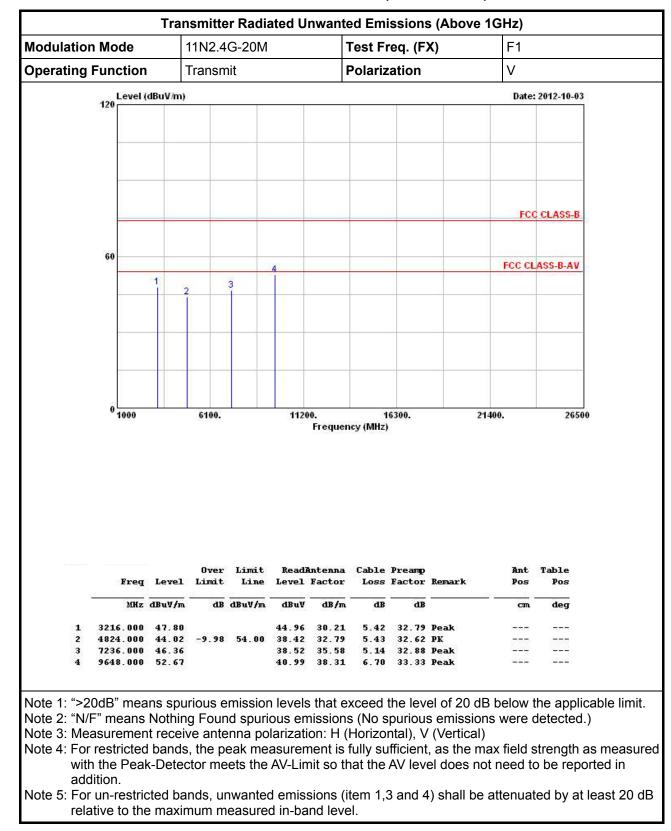






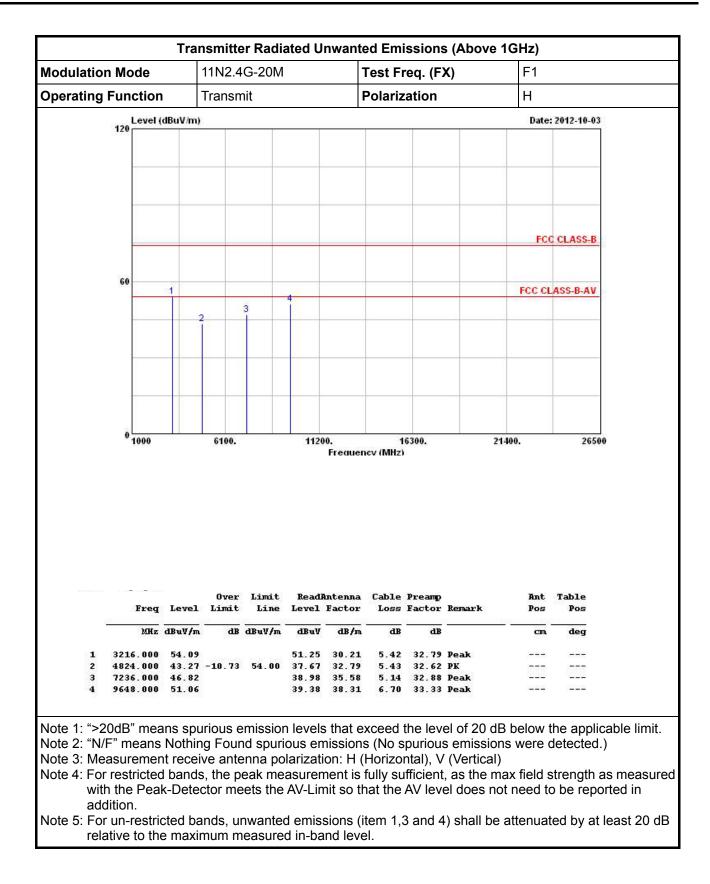




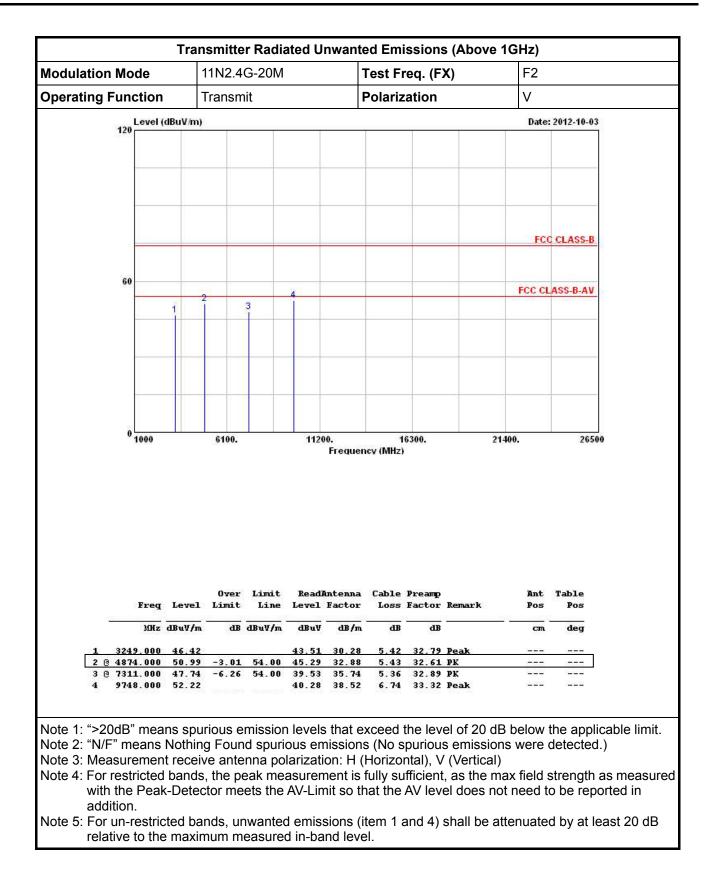


3.6.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11N2.4G-20M-NTX 1

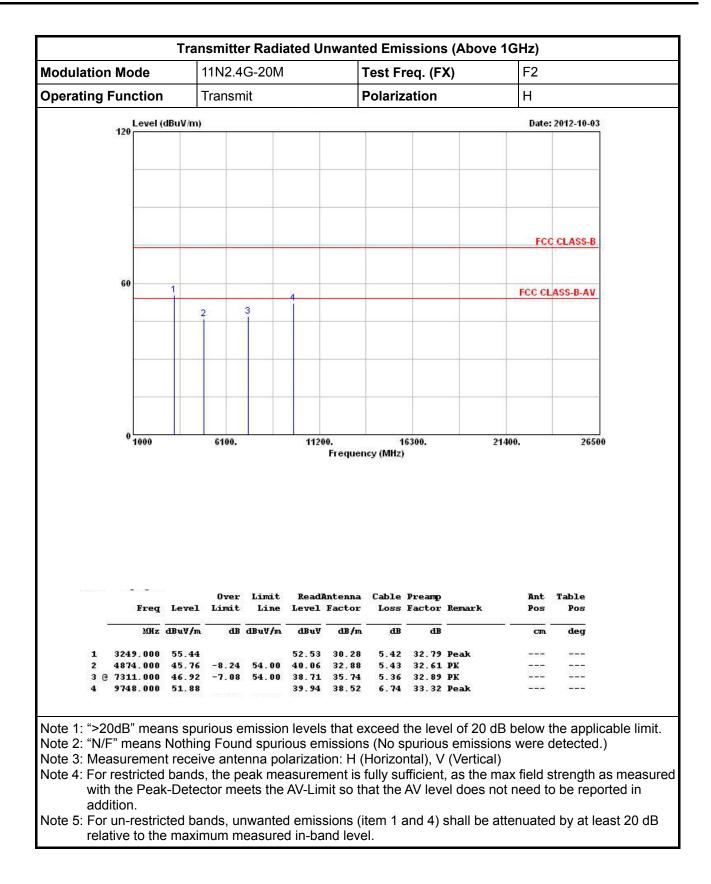




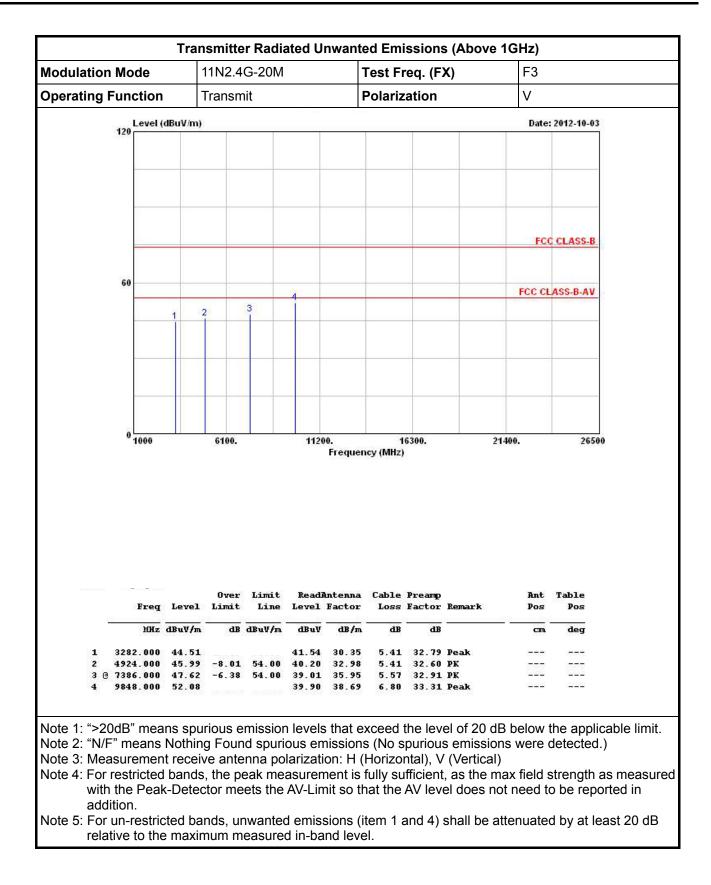




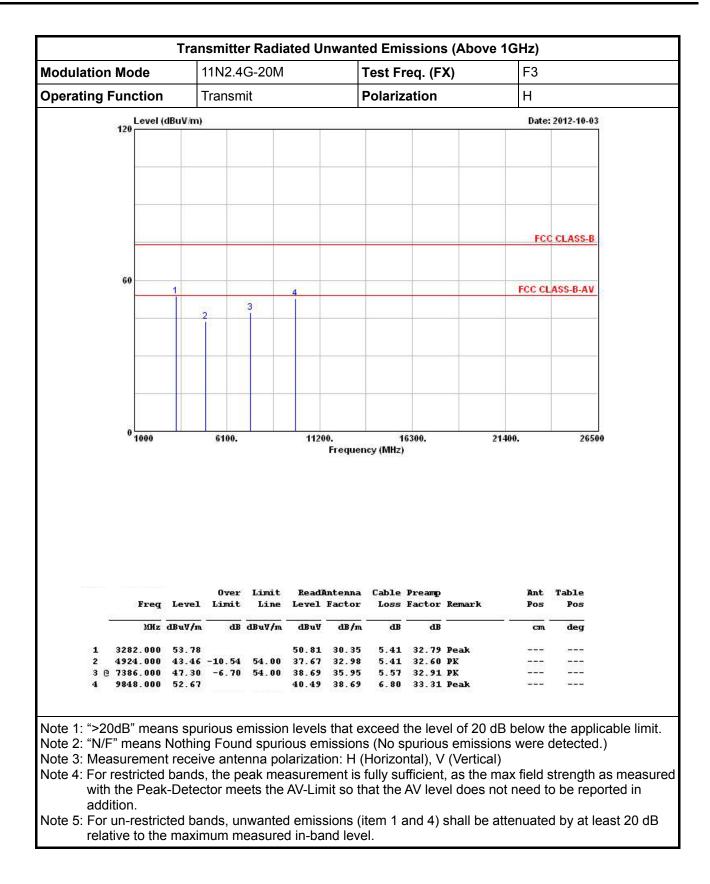










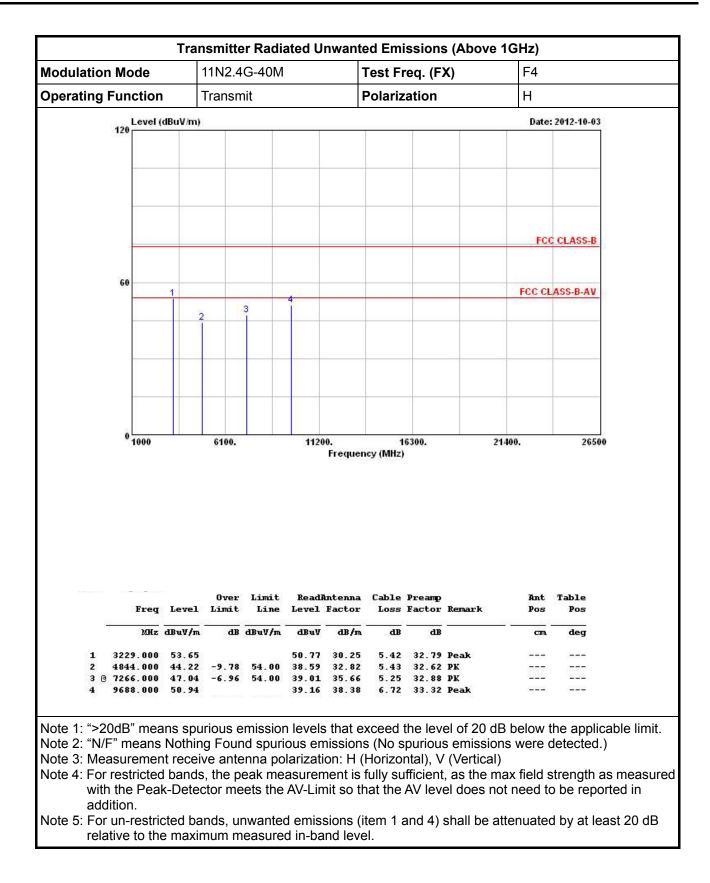




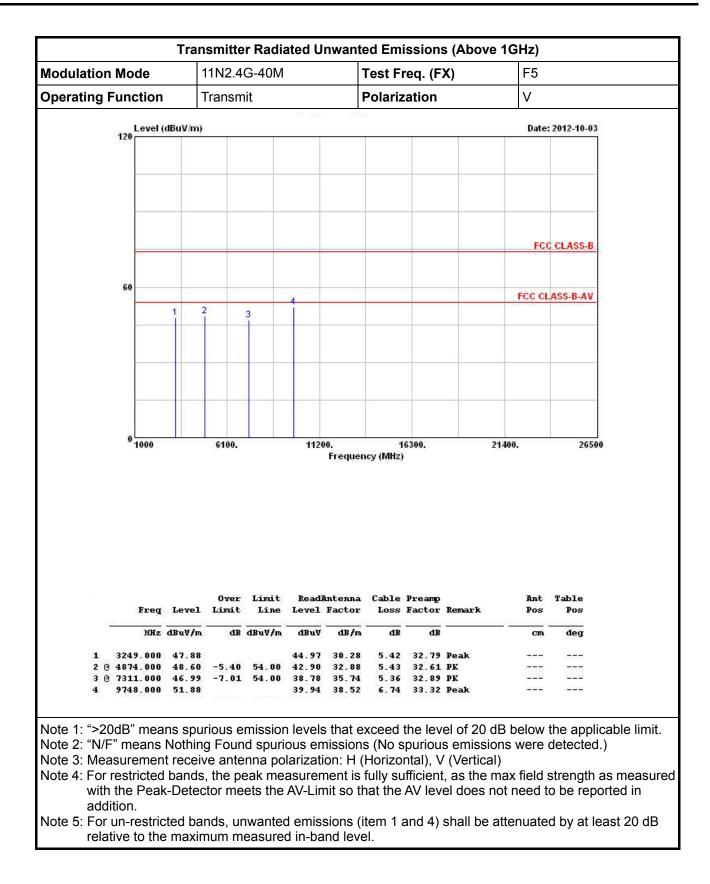
Transmitter Radiated Unwanted Emissions (Above 1GHz) **Modulation Mode** 11N2.4G-40M Test Freq. (FX) F4 Transmit V **Operating Function** Polarization Level (dBuV/m) Date: 2012-10-03 120 FCC CLASS-B 60 FCC CLASS-B-AV 3 0 1000 6100. 11200. 16300. 21400. 26500 Frequency (MHz) Ant Table Over Limit ReadAntenna Cable Preamp Freq Level Limit Line Level Factor Loss Factor Remark Pos Pos dB dBuV/m MHz dBuV/m dBuV dB/m dB dB deg cm 3229.000 46.86 43.98 30.25 5.42 32.79 Peak 1 ---4844.000 43.30 -10.70 54.00 37.67 32.82 2 5.43 32.62 PK ____ 7266.000 45.82 -8.18 54.00 37.79 35.66 32.88 PK 3 5.25 ____ 9688.000 51.32 39.54 38.38 6.72 33.32 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 (item 1 and 4) shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

3.6.9 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11N2.4G-40M-NTX 1

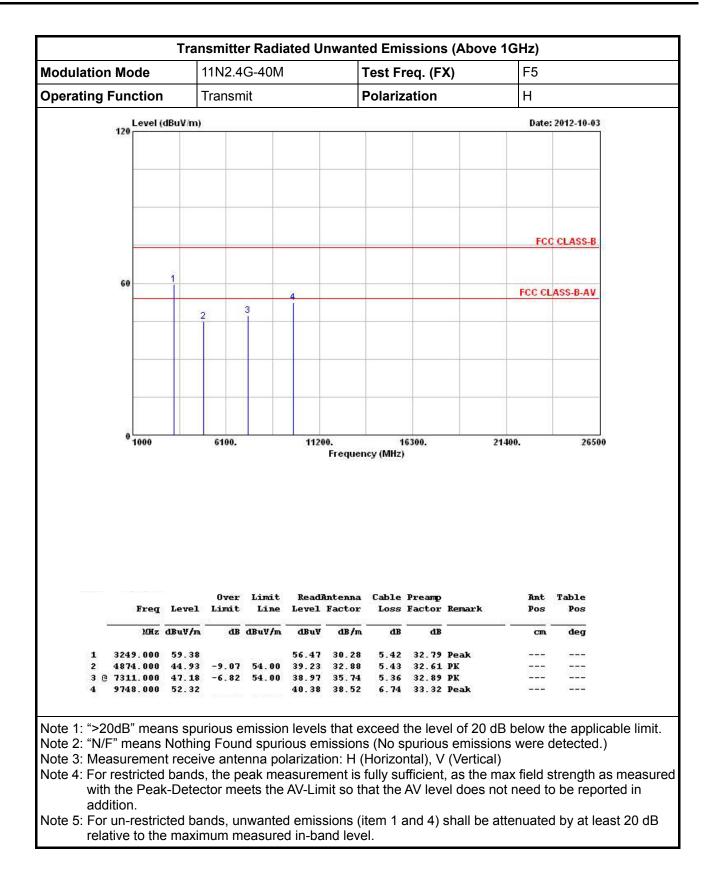




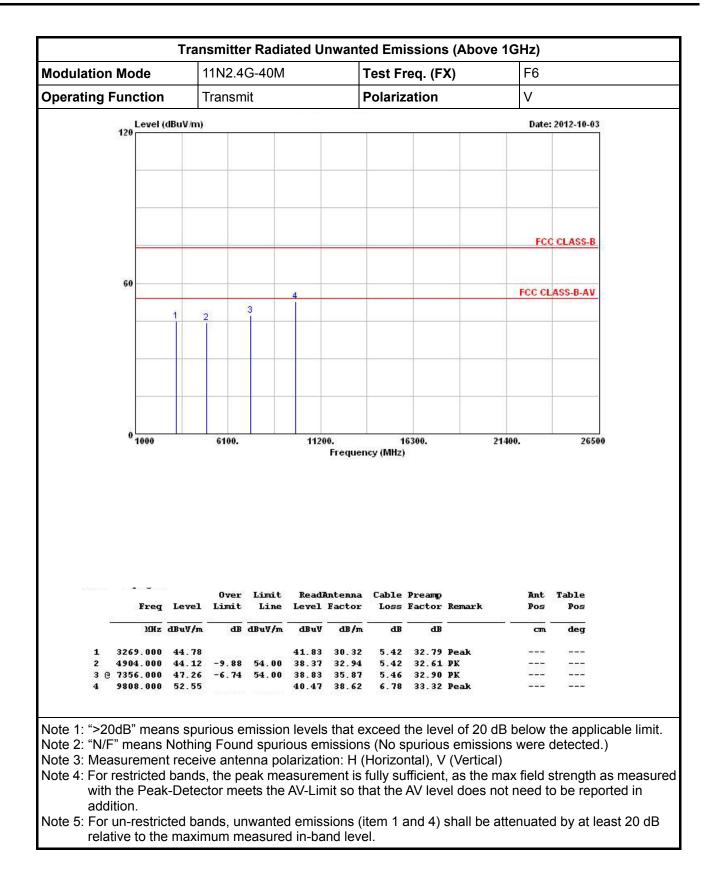




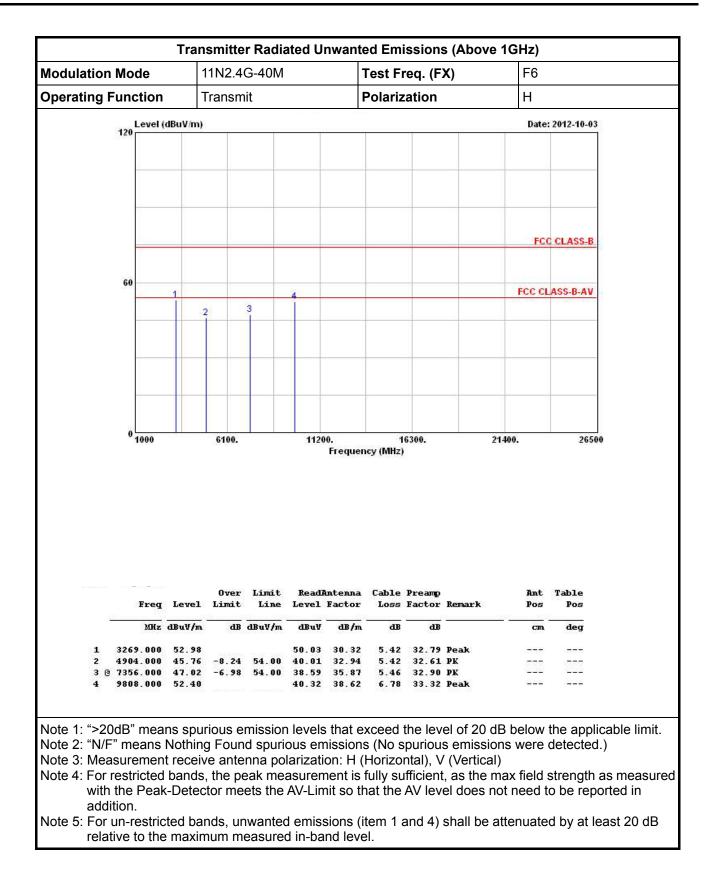




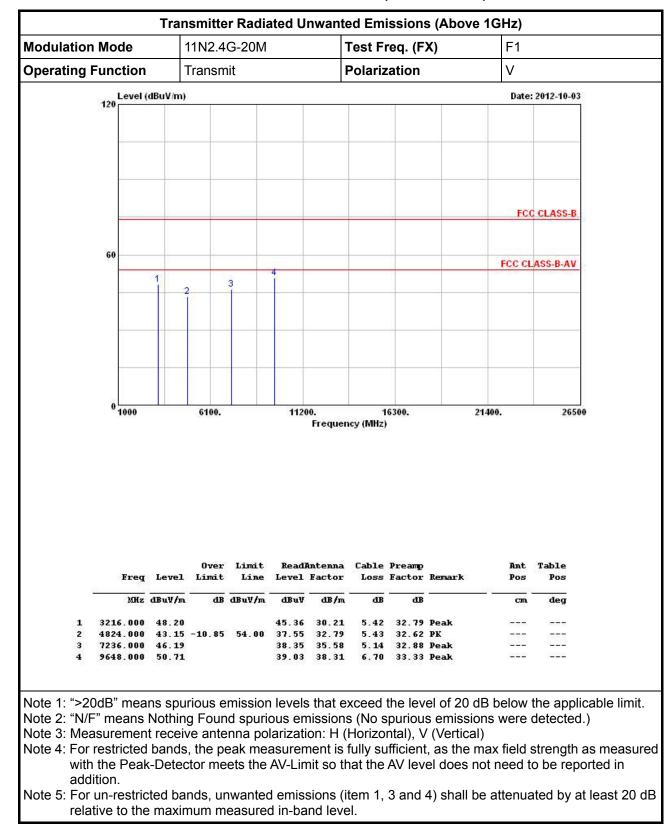






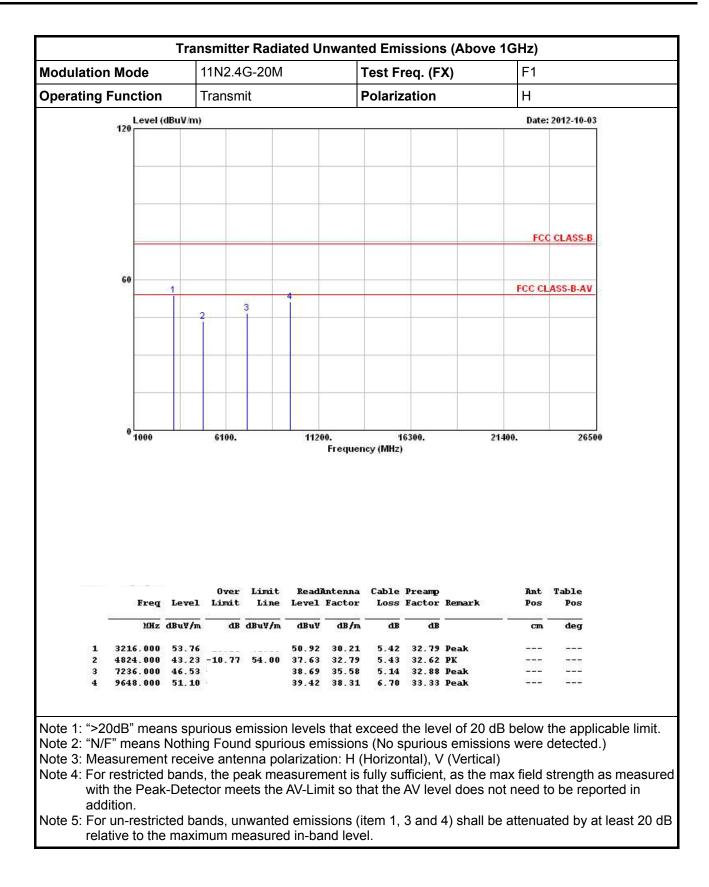




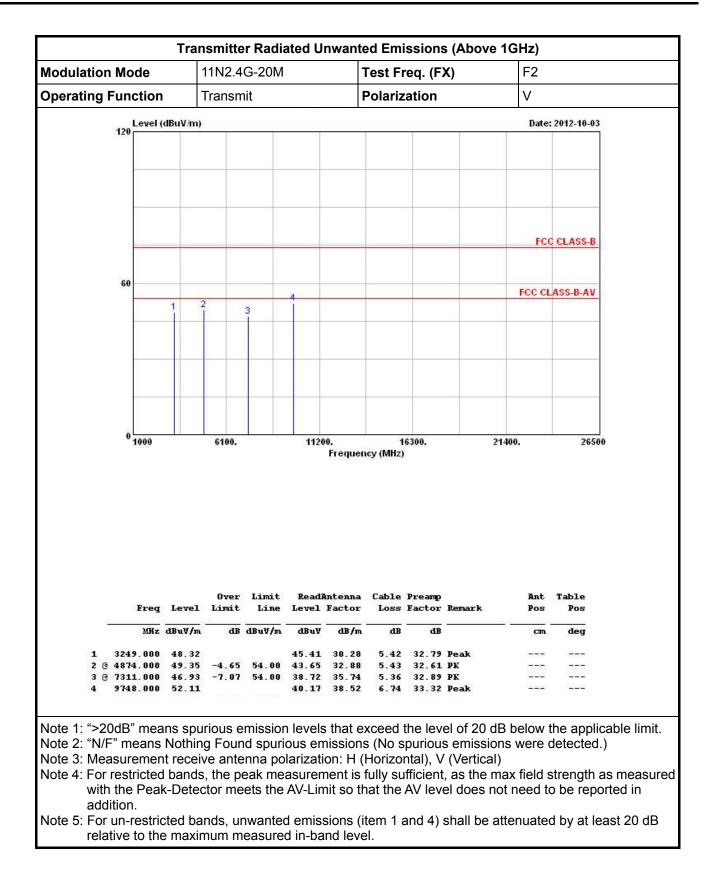


3.6.10 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11N2.4G-20M-NTX 2

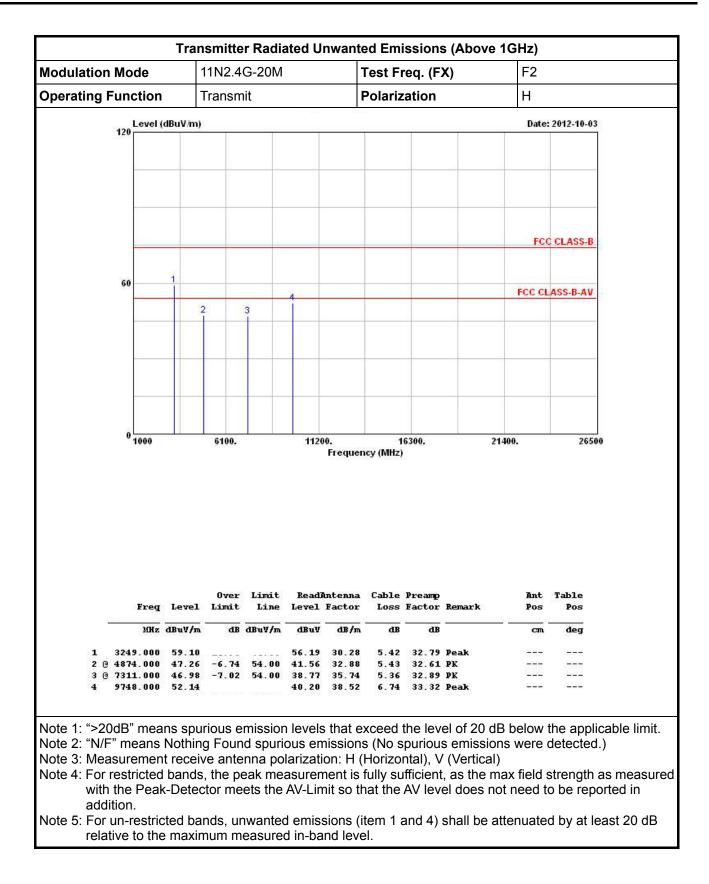




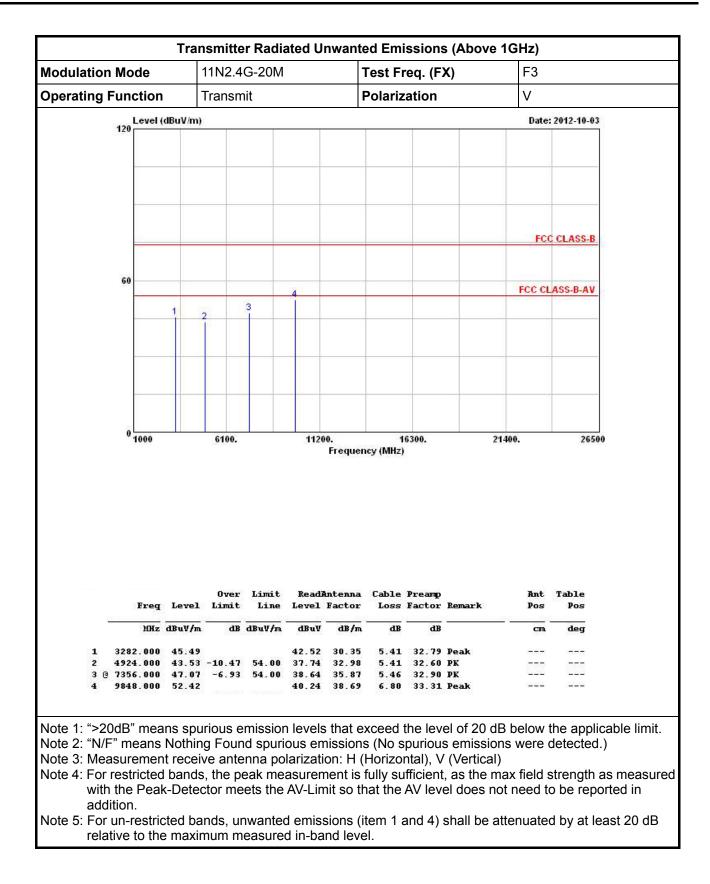




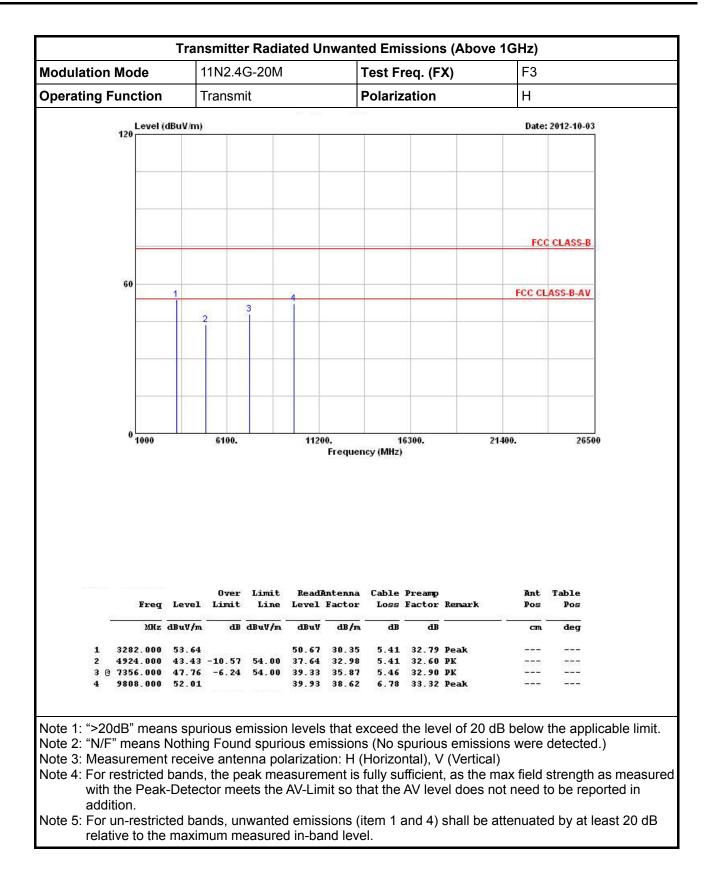




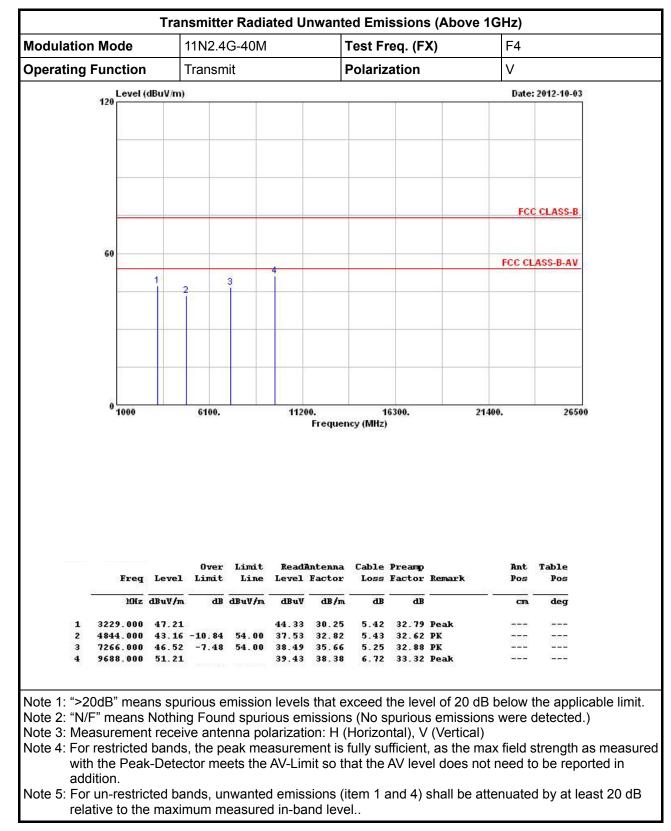






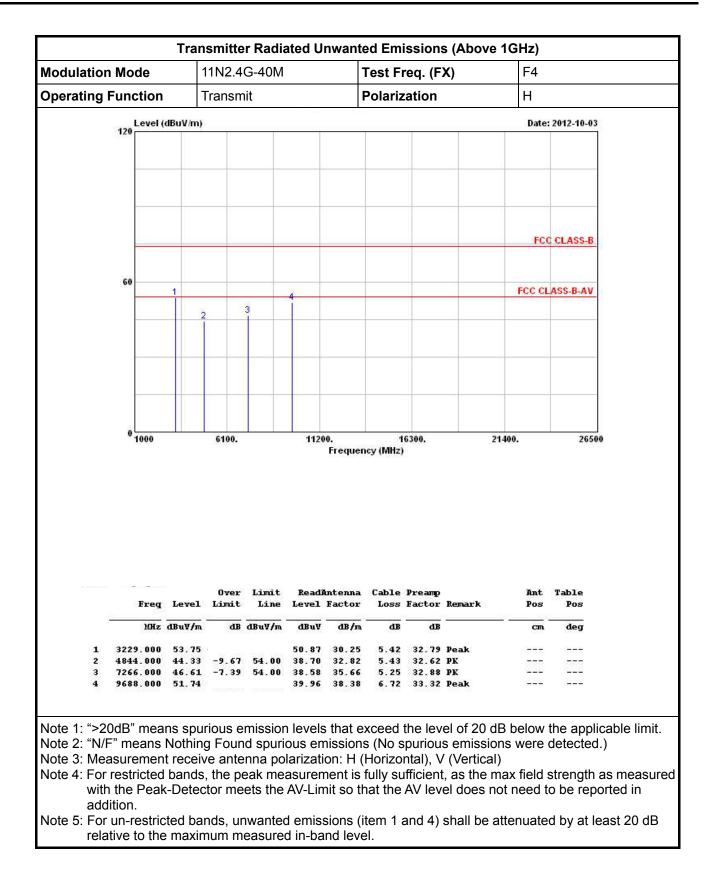




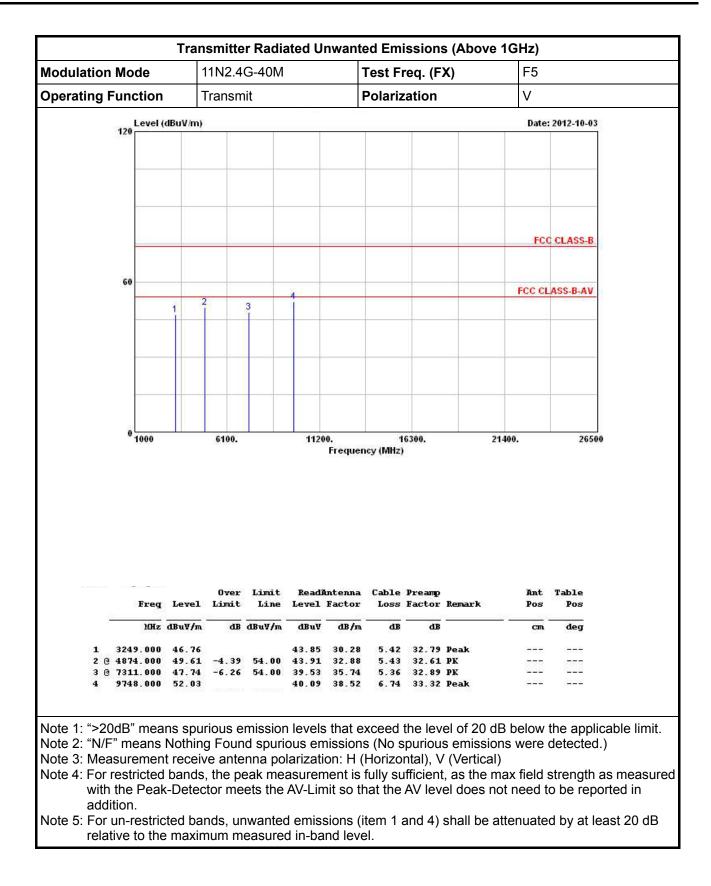


3.6.11 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11N2.4G-40M-NTX 2

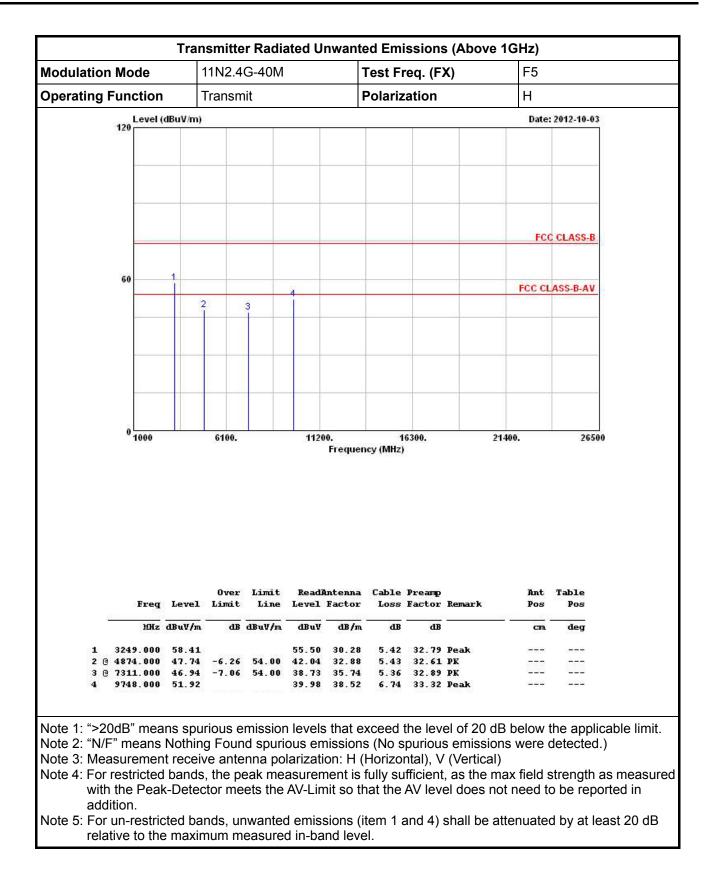




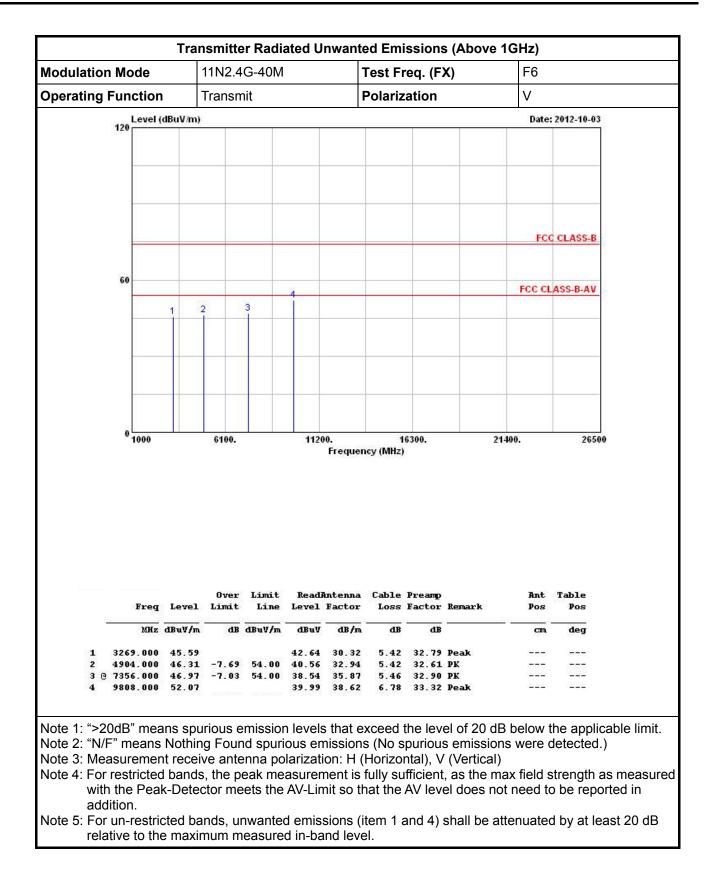




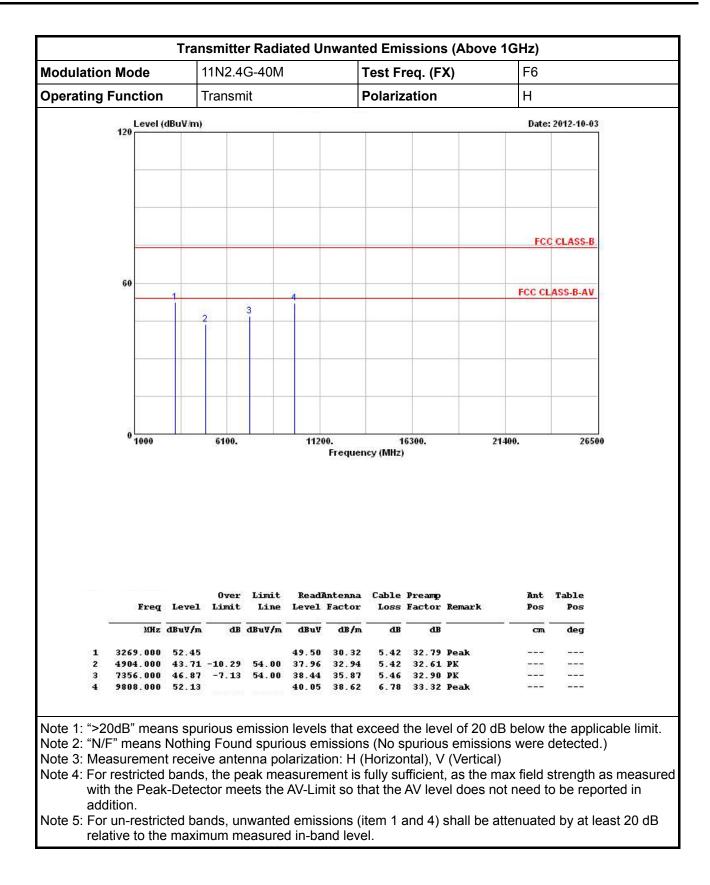














4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz ~ 2.75GHz	Mar. 23, 2012	Conduction (CO04-HY)
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	Feb. 08, 2012	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz ~ 30MHz	Apr. 20, 2012	Conduction (CO04-HY)
RF Cable-CON	HUBER+SUHNER	RG213/U	CB049	9kHz ~ 30MHz	Apr. 25, 2012	Conduction (CO04-HY)

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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP 40	100305	9KHz~40GHz	Feb. 21, 2012	Conducted (TH01-HY)
Spectrum Analyzer	R&S	FSV 40	15195-01-00	9KHz~40GHz	Jan. 06, 2012	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Jun. 19, 2012	Conducted (TH01-HY)
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	Jul. 02, 2012	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100 ℃	Dec. 07, 2011	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100302	10MHz ~ 40GHz	Nov. 22, 2011	Conducted (TH01-HY)
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	Jan. 12, 2012	Conducted (TH01-HY)
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	Jan. 12, 2012	Conducted (TH01-HY)
RF Cable-2m	HUBER+SUHNER	SUCOFLEX_104	SN 345672/4	1GHz ~ 26.5GHz	Dec. 03, 2011	Conducted (TH01-HY)
RF Cable-3m	HUBER+SUHNER	SUCOFLEX_104	SN 345668/4	1GHz ~ 26.5GHz	Dec. 03, 2011	Conducted (TH01-HY)

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



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	Dec. 12, 2011	Radiation (03CH03-HY)
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	May. 10, 2012	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1GHz ~ 26.5GHz	Aug 16 2012	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP30	1164.4391.130	9kHz ~ 30GHz	Sep. 27, 2012	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30MHz ~ 1GHz	Oct. 22, 2011	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	May 30, 2012	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz ~ 40GHz	Jan.13, 2012	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz ~ 1GHz	Jan. 18, 2012	Radiation (03CH03-HY)
RF Cable-high	SUHNER	SUCOFLEX 106	03CH03-HY	1GHz ~ 40GHz	Jan. 18, 2012	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 ~ 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	MF	MF-7802	MF780208179	1 ~ 4 m	N/A	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9kHz ~ 30MHz	Jul. 29, 2010	Radiation (03CH03-HY)

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



FCC RADIO TEST REPORT

5 Certification of TAF Accreditation Certificate No. : L1190-120405 財團法人全國認證基金會 **Taiwan Accreditation Foundation Certificate of Accreditation** This is to certify that Sporton International Inc. **EMC & Wireless Communications Laboratory** No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. is accredited in respect of laboratory **Accreditation Criteria** : ISO/IEC 17025:2005 **Accreditation Number** 1190 . **Originally Accredited** 1 December 15, 2003 **Effective Period** : January 10, 2010 to January 09, 2013 Accredited Scope : Testing Field, see described in the Appendix **Specific Accreditation** Accreditation Program for Designated Testing Laboratory 1 Program for Commodities Inspection Accreditation Program for Telecommunication Equipment Testing Laboratory Accreditation Program for BSMI Mutual Recognition Arrangment with Foreign Authorities - San Chen Jay-San Chen President, Taiwan Accreditation Foundation Date: April 05, 2012 P1, total 24 pages