

Appendix A

n48

RADIATED EMISSION MEASUREMENT

TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

BELOW 1GHz WORST-CASE DATA

30 MHz – 1GHz data:

n48

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE		TX channel 646332			FREQUENCY RANGE		Below 1000MHz	
ENVIRONMENTAL CONDITIONS		23deg. C, 70%RH			INPUT POWER		DC 5V	
TESTED BY		Jack Liu						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	37.400	-68.77	-40.00	28.77	0.34	H	293.8	2.00
1	80.150	-68.46	-40.00	28.46	-13.92	H	159.8	2.00
1	167.950	-67.18	-40.00	27.18	-10.21	H	89.4	2.00
1	231.700	-68.88	-40.00	28.88	1.43	H	89.4	2.00
1	384.100	-71.00	-40.00	31.00	0.48	H	66.2	1.00
2	692.000	-74.38	-40.00	34.38	0.98	H	1	2.00

MODE	TX channel 646332		FREQUENCY RANGE		Below 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH		INPUT POWER		DC 5V			
TESTED BY	Jack Liu							
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	38.950	-70.61	-40.00	30.61	-8.94	V	155.8	1.00
1	79.850	-62.24	-40.00	22.24	-10.74	V	122.9	2.00
1	166.800	-69.58	-40.00	29.58	-10.54	V	359	1.00
1	289.700	-77.11	-40.00	37.11	-1.15	V	293.8	2.00
1	435.100	-76.57	-40.00	36.57	1.35	V	224.4	2.00
2	755.479	-75.92	-40.00	35.92	1.73	V	1	2.00

ABOVE 1GHz WORST-CASE DATA

Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

n48

CHANNEL BANDWIDTH: 10MHz / QPSK

CH646332

MODE		TX channel 646332			FREQUENCY RANGE		Above 1000MHz	
ENVIRONMENTAL CONDITIONS		23deg. C, 70%RH			INPUT POWER		DC 5V	
TESTED BY		Jack Liu						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,380.960	-51.75	-40.00	11.75	18.99	H	1	1.00
6	11,071.440	-59.31	-40.00	19.31	11.94	H	240.6	1.00

MODE		TX channel 646332			FREQUENCY RANGE		Above 1000MHz	
ENVIRONMENTAL CONDITIONS		23deg. C, 70%RH			INPUT POWER		DC 5V	
TESTED BY		Jack Liu						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,380.960	-50.29	-40.00	10.29	18.99	V	359	2.00
6	11,071.440	-59.01	-40.00	19.01	11.94	V	1	1.00

--END--