

Appendix C

LTE BAND48

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:

LTE Band 48

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 55990		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	36.650	-67.83	-40.00	27.83	-0.23	H	358.2	1.00
1	79.450	-68.45	-40.00	28.45	-13.39	H	197	2.00
1	143.000	-68.68	-40.00	28.68	-14.75	H	99	2.00
1	257.700	-65.07	-40.00	25.07	-2.72	H	293.8	2.00
1	379.700	-69.95	-40.00	29.95	-0.08	H	98.4	1.00
2	650.108	-74.05	-40.00	34.05	1.31	H	182.6	2.00

MODE	TX channel 55990		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	37.550	-69.95	-40.00	29.95	-8.09	V	227.5	1.00
1	80.100	-62.19	-40.00	22.19	-10.73	V	142	2.00
1	165.850	-68.90	-40.00	28.90	-10.87	V	4.9	1.00
1	287.950	-77.62	-40.00	37.62	-1.02	V	295	2.00
2	511.096	-78.54	-40.00	38.54	-0.67	V	55.9	2.00
2	749.796	-75.21	-40.00	35.21	2.14	V	209.6	1.00

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.

LTE BAND 48

CHANNEL BANDWIDTH: 10MHz / QPSK

CH55990

MODE		TX channel 55990			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	7,241.000	-49.85	-40.00	9.85	24.57	H	359	2.00
6	10,861.500	-58.08	-40.00	18.08	11.56	H	52.4	2.00

MODE	TX channel 55990				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	7,241.000	-50.71	-40.00	10.71	24.57	V	84.6	2.00
6	10,861.500	-61.30	-40.00	21.30	11.56	V	359.1	1.00

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