



November 22, 2011
Federal Communications Commission
Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road
Columbia, Maryland 21046

Ref: **Calculation of path loss on carrier board** for FCC ID: **VV7-MBMC5621**

FCC ID
VV7-MBMC5621

Model
C5621 Ericsson Mobile Broadband Module

GSM850 GMSK

Channel	824.2	836.4	848.8
Measured maximum peak power (dBm) at antenna port	32.4	32.4	32.3
Test card path loss correction (dBm)	0.07	0.07	0.07
Corrected maximum peak power (dBm)	32.47	32.47	32.37
Corrected maximum peak power (W)	1.74	1.77	1.73
Measurement uncertainty (dB)	±0.5		

GSM850 8-PSK

Channel	824.2	836.4	848.8
Measured maximum peak power (dBm) at antenna port	30.3	30.2	30.2
Test card path loss correction (dBm)	0.07	0.07	0.07
Corrected maximum peak power (dBm)	30.37	30.27	30.27
Corrected maximum peak power (W)	1.09	1.06	1.06
Measurement uncertainty (dB)	±0.5		

GSM1900 GMSK

Channel	1850.2	1880.0	1909.8
Measured maximum peak power (dBm) at antenna port	29.5	29.2	29.6
Test card path loss correction (dBm)	0.13	0.13	0.13
Corrected maximum peak power (dBm)	29.63	29.33	29.73
Corrected maximum peak power (W)	0.92	0.86	0.94
Measurement uncertainty (dB)	±0.5		



GSM1900 8-PSK

Channel	1850.2	1880.0	1909.8
Measured maximum peak power (dBm) at antenna port	29.2	29.0	28.9
Test card path loss correction (dBm)	0.13	0.13	0.13
Corrected maximum peak power (dBm)	29.33	29.13	29.03
Corrected maximum peak power (W)	0.86	0.82	0.80
Measurement uncertainty (dB)	±0.5		

WCDMA850

Channel	826.4	836.0	846.6
Measured maximum peak power (dBm) at antenna port	26.4	26.3	26.4
Test card path loss correction (dBm)	0.07	0.07	0.07
Corrected maximum peak power (dBm)	26.47	26.37	26.47
Corrected maximum peak power (W)	0.44	0.43	0.44
Measurement uncertainty (dB)	±0.5		

WCDMA1900

Channel	1852.4	1880.0	1907.6
Measured maximum peak power (dBm) at antenna port	25.8	25.9	25.8
Test card path loss correction (dBm)	0.13	0.13	0.13
Corrected maximum peak power (dBm)	25.93	26.03	26.93
Corrected maximum peak power (W)	0.39	0.40	0.49
Measurement uncertainty (dB)	±0.5		

Conducted RF output power measurements were measured on the UFL connector on a carrier board. The carrier board is used for test purposes. The antenna path loss from the UFL connector to the antenna reference point on the module has been measured and is shown in the tables above. The Corrected maximum peak power is transferred to the FCC Grant of this product.

Sincerely,

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Mobile Broadband Modules

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