



Declaration

The original product is the product with model number GI0643 (FCC ID: NCMOGI0643), which is a 2G/3G/WLAN USB modem which can also act as a WLAN hot spot. The new product has model number GI0644 (FCC ID: NCMOGI0644). The difference between the original and new product is that band FDDVIII is replaced by band FDDV. No changes are made in the other functionalities of the product.

We measured the conducted output power of GI0644 and made the comparison with values of the original product GI0643 (see below table). They are very near with each other and inside the tolerance of output power (see document "tune-up procedure for GI0644"). So the conducted test results in FCC reports MDE_OPTI_1101_FCCe and MDE_OPTI_1101_FCCf, both dated November 10 2011, for original product GI0643 will be re-used for the new product GI0644.

We have done the re-test of radiated emission and SAR evaluation on the new product GI0644 because of hardware changes.

Summary RF conducted output power

EUT Mode	Frequency (MHz)	Channel	av/dBm (1TS) FCC ID: NCMOGI0644	av/dBm (1TS) FCC ID: NCMOGI0643
GPRS 850	824.2	128	32.1	31.8
	836.6	190	31.9	31.9
	848.8	251	31.7	31.8

EUT Mode	Frequency (MHz)	Channel	av/dBm (1TS) FCC ID: NCMOGI0644	av/dBm (1TS) FCC ID: NCMOGI0643
EDGE 850	824.2	128	26.9	26.6
	836.6	190	26.8	26.6
	848.8	251	26.6	26.5

EUT Mode	Frequency (MHz)	Channel	av/dBm (1TS) FCC ID: NCMOGI0644
WCDMA Band V	826.4	4132	22.72
	836.6	4183	21.89
	846.6	4233	22.31

Mode	Sub-test	rms/dBm (FCC ID:NCMOGI0644) Channel		
		4132	4183	4233
HSDPA	1	21.64	21.72	21.87
	2	21.11	21.11	21.33
	3	21.09	21.08	21.31
	4	21.14	21.14	21.31

Mode	Sub-test	rms/dBm (FCC ID:NCMOGI0644) Channel		
		4132	4183	4233
HSUPA	1	20.53	21.28	21.17
	2	20.67	19.65	20.63
	3	21.17	20.50	20.72
	4	20.31	20.02	20.84
	5	22.30	21.30	21.22



EUT Mode	Frequency (MHz)	Channel	av/dBm (1TS) FCC ID: NCMOGI0644	av/dBm (1TS) FCC ID: NCMOGI0643
GPRS 1900	1850.2	512	29.1	28.7
	1880.0	661	29.8	28.9
	1909.8	810	29.7	28.8

EUT Mode	Frequency (MHz)	Channel	av/dBm (1TS) FCC ID: NCMOGI0644	av/dBm (1TS) FCC ID: NCMOGI0643
EDGE 1900	1850.2	512	26.0	25.6
	1880.0	661	26.0	25.3
	1909.8	810	26.0	25.5

EUT Mode	Frequency (MHz)	Channel	av/dBm FCC ID: NCMOGI0644	rms/dBm FCC ID: NCMOGI0643
WCDMA Band II	1852.4	9262	19.75	19.3
	1880.0	9400	20.35	20.2
	1907.6	9538	19.75	19.7

Mode	Sub-test	rms/dBm (FCC ID:NCMOGI0644) Channel			rms/dBm (FCC ID:NCMOGI0643) Channel		
		9262	9400	9538	9262	9400	9538
HSDPA	1	19.64	20.60	20.06	19.76	19.84	19.62
	2	19.30	20.07	19.77	19.06	19.40	19.07
	3	18.94	20.04	19.58	18.96	19.39	19.12
	4	19.03	20.02	19.54	19.01	19.43	19.08

Mode	Sub-test	rms/dBm (FCC ID:NCMOGI0644) Channel			rms/dBm (FCC ID:NCMOGI0643) Channel		
		9262	9400	9538	9262	9400	9538
HSUPA	1	18.75	19.53	19.20	19.09	19.14	18.82
	2	17.95	18.52	17.65	17.10	17.54	17.24
	3	18.39	19.14	18.60	17.87	18.52	18.04
	4	18.13	19.11	17.99	17.72	18.23	17.87
	5	18.79	19.17	19.24	19.13	19.61	19.18

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Signed,



Jan Willems
Technical Coordinator Certification

Leuven, May 16, 2012