

A3LSGHT899
DC-HSDPA Measurements for SAR Exclusion
10/1/12

1. Conducted Powers

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			AWS Band [dBm]			PCS Band [dBm]		
			4132	4183	4233	1312	1412	1862	9262	9400	9538
99	WCDMA	12.2 kbps RMC	22.97	23.02	23.04	22.85	22.89	22.67	23.09	22.90	23.04
99		12.2 kbps AMR	23.03	23.04	23.14	22.83	22.96	22.88	23.12	22.92	23.18
6	HSDPA	Subtest 1	21.82	21.79	21.97	21.89	22.05	21.84	22.20	22.09	22.16
6		Subtest 2	21.80	21.77	21.78	21.95	22.06	22.10	22.37	22.20	22.46
6		Subtest 3	21.29	21.30	21.33	21.63	21.68	21.62	22.01	21.80	22.06
6		Subtest 4	21.30	21.31	21.28	21.53	21.62	21.43	22.07	21.82	22.08
6	HSUPA	Subtest 1	21.79	21.83	21.67	22.10	21.81	22.00	22.18	22.21	21.87
6		Subtest 2	20.68	20.49	20.45	20.62	21.20	20.90	20.81	20.63	21.34
6		Subtest 3	20.75	20.74	20.98	20.32	21.09	20.93	21.24	21.12	21.13
6		Subtest 4	20.66	20.72	21.00	21.03	21.69	21.56	21.73	21.54	21.84
6		Subtest 5	21.90	21.73	21.50	21.90	21.77	21.58	21.79	22.12	21.83
8	DC-HSDPA	Subtest 1	21.73	21.84	21.75	21.77	21.87	21.75	21.85	21.88	21.85
8		Subtest 2	21.79	21.90	21.92	21.72	21.77	21.95	21.84	21.80	21.92
8		Subtest 3	21.30	21.46	21.35	21.23	21.44	21.25	21.30	21.34	21.44
8		Subtest 4	21.24	21.48	21.28	21.34	21.39	21.30	21.35	21.43	21.40

2. Considerations

Identify the 3GPP release and version number used for HSPA+ and DC-HSDPA.

- 3GPP Specification 34.121-1 Release 8 Ver 8.10.0 was used for DC-HSDPA guidance.

Apply FRC H-Set 12 (QPSK) in Table C.8.1.12 of TS 34.121-1 to measure DCHSDPA uplink maximum output power using the 4 Rel. 5 HSDPA subtests in Table C.10.1.4 of TS 234.121-1

- H-Set 12 (QPSK) was confirmed to be used during DC-HSDPA measurements.

Apply KDB 941225 Rel 6. HSPA procedures to determine SAR exclusion for HSPA+ and DC-HSDPA according to the measured power.

- Measured maximum output powers for DC-HSDPA was not greater than ¼ dB higher than the WCDMA 12.2 kbps RMC maximum output and as a result, SAR is not required for DC-HSDPA.

UE categories supported by the device, test setup parameters and other details must be clearly described in the test report.

- This device supports UE category 24 for HSDPA.