



## **Appendix D. SAR System Validation**

SAR measurement systems are validated according to procedures in KDB 865664 (D01), and the validation status is tabulated below according to the validation date(s), measurement frequencies, SAR probes, calibrated signal type(s) and tissue dielectric parameters.

| SAR Lab | FREQ. [MHz] | Probe  | Probe SN | Probe CAL. Parameter |      | COND.        | PERM.            | CW Validation |                 |                | Additional Validation |             |      | Date       |
|---------|-------------|--------|----------|----------------------|------|--------------|------------------|---------------|-----------------|----------------|-----------------------|-------------|------|------------|
|         |             |        |          |                      |      | ( $\sigma$ ) | ( $\epsilon_r$ ) | Sensitivity   | Probe Linearity | Probe Isotropy | Modulation Type       | Duty Factor | PAR  |            |
| #01     | 1900        | EX3DV4 | 3819     | 1900                 | Head | 1.415        | 40.527           | Pass          | Pass            | Pass           | GMSK                  | Pass        | N/A  | 11/26/2012 |
| #01     | 1900        | EX3DV4 | 3819     | 1900                 | Body | 1.512        | 53.903           | Pass          | Pass            | Pass           | GMSK                  | Pass        | N/A  | 11/26/2012 |
| #01     | 2450        | EX3DV4 | 3819     | 2450                 | Head | 1.856        | 37.685           | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 11/26/2012 |
| #01     | 2450        | EX3DV4 | 3819     | 2450                 | Body | 1.951        | 53.859           | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 11/26/2012 |