



## 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     | 835         | EX3DV4 | 3819     | 835                  | Head | 0.933        | 41.235           | Pass          | Pass            | Pass           | GMSK                  | Pass        | N/A  | 01/17/2015 |
| #01     | 835         | EX3DV4 | 3819     | 835                  | Body | 0.988        | 55.07            | Pass          | Pass            | Pass           | GMSK                  | Pass        | N/A  | 01/17/2015 |
| #01     | 1900        | EX3DV4 | 3819     | 1900                 | Head | 1.421        | 41.03            | Pass          | Pass            | Pass           | GMSK                  | Pass        | N/A  | 01/18/2015 |
| #01     | 1900        | EX3DV4 | 3819     | 1900                 | Body | 1.532        | 54.778           | Pass          | Pass            | Pass           | GMSK                  | Pass        | N/A  | 01/18/2015 |
| #01     | 2450        | EX3DV4 | 3819     | 2450                 | Head | 1.852        | 39.832           | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/19/2015 |
| #01     | 2450        | EX3DV4 | 3819     | 2450                 | Body | 1.932        | 53.45            | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/19/2015 |
| #01     | 2600        | EX3DV4 | 3819     | 2600                 | Head | 1.923        | 40.214           | Pass          | Pass            | Pass           | QPSK/16QAM            | Pass        | N/A  | 01/20/2015 |
| #01     | 2600        | EX3DV4 | 3819     | 2600                 | Body | 2.174        | 53.53            | Pass          | Pass            | Pass           | QPSK/16QAM            | Pass        | N/A  | 01/20/2015 |
| #01     | 5200        | EX3DV4 | 3819     | 5200                 | Head | 4.75         | 37.031           | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/24/2015 |
| #01     | 5200        | EX3DV4 | 3819     | 5200                 | Head | 5.34         | 50.56            | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/24/2015 |
| #01     | 5300        | EX3DV4 | 3819     | 5300                 | Head | 4.79         | 36.789           | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/25/2015 |
| #01     | 5300        | EX3DV4 | 3819     | 5300                 | Head | 5.4          | 50.8             | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/25/2015 |
| #01     | 5600        | EX3DV4 | 3819     | 5600                 | Head | 5.23         | 36.220           | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/26/2015 |
| #01     | 5600        | EX3DV4 | 3819     | 5600                 | Head | 5.76         | 49.92            | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/26/2015 |
| #01     | 5800        | EX3DV4 | 3819     | 5800                 | Head | 5.45         | 35.762           | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/27/2015 |
| #01     | 5800        | EX3DV4 | 3819     | 5800                 | Head | 6.07         | 49.6             | Pass          | Pass            | Pass           | OFDM                  | N/A         | Pass | 01/27/2015 |