

10.3.5 SAR Result of WCDMA Band V

WB5 SAR Test Record										
Ant 1 Test Record										
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data State5										
Left cheek	RMC	4182/836.4	1:1	0.161	0.09	23.71	24.80	1.285	0.207	22.4
Left tilted	RMC	4182/836.4	1:1	0.015	-0.06	23.71	24.80	1.285	0.019	22.4
Right cheek	RMC	4182/836.4	1:1	0.422	-0.08	23.71	24.80	1.285	0.542	22.4
Right tilted	RMC	4182/836.4	1:1	0.041	0.13	23.71	24.80	1.285	0.053	22.4
Body worn Test data(Separate 10mm) State3										
Front side	RMC	4182/836.4	1:1	0.163	0.02	21.20	22.30	1.288	0.210	22.4
Back side	RMC	4182/836.4	1:1	0.204	-0.19	21.20	22.30	1.288	0.263	22.4
Hotspot Test data(Separate 10mm) State3										
Front side	RMC	4182/836.4	1:1	0.163	0.02	21.20	22.30	1.288	0.210	22.4
Back side	RMC	4182/836.4	1:1	0.204	-0.19	21.20	22.30	1.288	0.263	22.4
Right side	RMC	4182/836.4	1:1	0.336	0.01	21.20	22.30	1.288	0.433	22.4
Bottom side	RMC	4182/836.4	1:1	0.012	0.07	21.20	22.30	1.288	0.015	22.4
Ant 0 Test Record										
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data State5										
Left cheek	RMC	4182/836.4	1:1	0.213	0.10	19.18	20.40	1.324	0.282	22.4
Left tilted	RMC	4182/836.4	1:1	0.029	-0.11	19.18	20.40	1.324	0.038	22.4
Right cheek	RMC	4182/836.4	1:1	0.156	-0.02	19.18	20.40	1.324	0.207	22.4
Right tilted	RMC	4182/836.4	1:1	0.036	0.02	19.18	20.40	1.324	0.048	22.4
Body worn Test data(Separate 10mm) State3										
Front side	RMC	4182/836.4	1:1	0.262	-0.08	18.33	19.40	1.279	0.335	22.4
Back side	RMC	4182/836.4	1:1	0.288	0.02	18.33	19.40	1.279	0.368	22.4
Hotspot Test data(Separate 10mm) State3										
Front side	RMC	4182/836.4	1:1	0.262	-0.08	18.33	19.40	1.279	0.335	22.4
Back side	RMC	4182/836.4	1:1	0.288	0.02	18.33	19.40	1.279	0.368	22.4
Left side	RMC	4182/836.4	1:1	0.461	0.13	18.33	19.40	1.279	0.590	22.4

10.3.6 SAR Result of LTE Band 2

LTE Band 2 SAR Test Record											
Ant 6 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	18900/1880	1:1	0.065	-0.15	15.94	17.10	1.306	0.085	22.1
Left tilted	20	QPSK 1_0	18900/1880	1:1	0.406	0.09	15.94	17.10	1.306	0.530	22.1
Right cheek	20	QPSK 1_0	18900/1880	1:1	0.397	0.10	15.94	17.10	1.306	0.519	22.1
Right tilted	20	QPSK 1_0	18900/1880	1:1	0.581	-0.07	15.94	17.10	1.306	0.759	22.1
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	18900/1880	1:1	0.047	0.18	15.66	17.10	1.393	0.065	22.1
Left tilted	20	QPSK 50_0	18900/1880	1:1	0.358	0.17	15.66	17.10	1.393	0.499	22.1
Right cheek	20	QPSK 50_0	18900/1880	1:1	0.357	0.02	15.66	17.10	1.393	0.497	22.1
Right tilted	20	QPSK 50_0	18900/1880	1:1	0.532	-0.16	15.66	17.10	1.393	0.741	22.1
Body worn Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	18900/1880	1:1	0.175	-0.05	17.16	18.10	1.242	0.217	22.1
Back side	20	QPSK 1_0	18900/1880	1:1	0.268	0.05	17.16	18.10	1.242	0.333	22.1
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	18900/1880	1:1	0.170	0.17	16.85	18.10	1.334	0.227	22.1
Back side	20	QPSK 50_0	18900/1880	1:1	0.253	0.11	16.85	18.10	1.334	0.337	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	18900/1880	1:1	0.175	-0.05	17.16	18.10	1.242	0.217	22.1
Back side	20	QPSK 1_0	18900/1880	1:1	0.268	0.05	17.16	18.10	1.242	0.333	22.1
Left side	20	QPSK 1_0	18900/1880	1:1	0.084	0.13	17.16	18.10	1.242	0.104	22.1
Top side	20	QPSK 1_0	18900/1880	1:1	0.433	-0.13	17.16	18.10	1.242	0.538	22.1
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	18900/1880	1:1	0.170	0.17	16.85	18.10	1.334	0.227	22.1
Back side	20	QPSK 50_0	18900/1880	1:1	0.253	0.11	16.85	18.10	1.334	0.337	22.1
Left side	20	QPSK 50_0	18900/1880	1:1	0.092	-0.13	16.85	18.10	1.334	0.123	22.1
Top side	20	QPSK 50_0	18900/1880	1:1	0.423	-0.01	16.85	18.10	1.334	0.564	22.1
Ant 5 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	18900/1880	1:1	0.160	-0.08	23.28	24.50	1.324	0.212	22.1
Left tilted	20	QPSK 1_0	18900/1880	1:1	0.023	-0.05	23.28	24.50	1.324	0.030	22.1
Right cheek	20	QPSK 1_0	18900/1880	1:1	0.100	0.08	23.28	24.50	1.324	0.132	22.1
Right tilted	20	QPSK 1_0	18900/1880	1:1	0.011	-0.08	23.28	24.50	1.324	0.015	22.1
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	18900/1880	1:1	0.140	-0.06	23.12	23.50	1.091	0.153	22.1
Left tilted	20	QPSK 50_0	18900/1880	1:1	0.019	-0.11	23.12	23.50	1.091	0.021	22.1
Right cheek	20	QPSK 50_0	18900/1880	1:1	0.070	-0.17	23.12	23.50	1.091	0.076	22.1
Right tilted	20	QPSK 50_0	18900/1880	1:1	0.006	0.09	23.12	23.50	1.091	0.007	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	18900/1880	1:1	0.199	0.02	18.34	19.50	1.306	0.260	22.1
Back side	20	QPSK 1_0	18900/1880	1:1	0.231	0.09	18.34	19.50	1.306	0.302	22.1
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	18900/1880	1:1	0.193	-0.05	18.24	19.50	1.337	0.258	22.1
Back side	20	QPSK 50_0	18900/1880	1:1	0.235	-0.03	18.24	19.50	1.337	0.314	22.1



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Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	18900/1880	1:1	0.199	0.02	18.34	19.50	1.306	0.260	22.1
Back side	20	QPSK 1_0	18900/1880	1:1	0.231	0.09	18.34	19.50	1.306	0.302	22.1
Left side	20	QPSK 1_0	18900/1880	1:1	0.071	0.04	18.34	19.50	1.306	0.093	22.1
Right side	20	QPSK 1_0	18900/1880	1:1	0.066	-0.18	18.34	19.50	1.306	0.086	22.1
Bottom side	20	QPSK 1_0	18900/1880	1:1	0.376	0.08	18.34	19.50	1.306	0.491	22.1
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	18900/1880	1:1	0.193	-0.05	18.24	19.50	1.337	0.258	22.1
Back side	20	QPSK 50_0	18900/1880	1:1	0.235	-0.03	18.24	19.50	1.337	0.314	22.1
Left side	20	QPSK 50_0	18900/1880	1:1	0.070	0.17	18.24	19.50	1.337	0.094	22.1
Right side	20	QPSK 50_0	18900/1880	1:1	0.070	-0.12	18.24	19.50	1.337	0.094	22.1
Bottom side	20	QPSK 50_0	18900/1880	1:1	0.372	-0.02	18.24	19.50	1.337	0.497	22.1

10.3.7 SAR Result of LTE Band 4

LTE Band 4 SAR Test Record											
Ant 6 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	20175/1732.5	1:1	0.355	-0.08	15.85	17.00	1.303	0.463	22.1
Left tilted	20	QPSK 1_0	20175/1732.5	1:1	0.075	-0.05	15.85	17.00	1.303	0.098	22.1
Right cheek	20	QPSK 1_0	20175/1732.5	1:1	0.564	0.06	15.85	17.00	1.303	0.735	22.1
Right tilted	20	QPSK 1_0	20175/1732.5	1:1	0.556	0.14	15.85	17.00	1.303	0.725	22.1
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	20175/1732.5	1:1	0.333	-0.08	15.56	17.00	1.393	0.464	22.1
Left tilted	20	QPSK 50_0	20175/1732.5	1:1	0.065	-0.06	15.56	17.00	1.393	0.091	22.1
Right cheek	20	QPSK 50_0	20175/1732.5	1:1	0.557	0.13	15.56	17.00	1.393	0.776	22.1
Right tilted	20	QPSK 50_0	20175/1732.5	1:1	0.540	0.12	15.56	17.00	1.393	0.752	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	20175/1732.5	1:1	0.205	0.02	17.89	19.00	1.291	0.265	22.1
Back side	20	QPSK 1_0	20175/1732.5	1:1	0.270	-0.08	17.89	19.00	1.291	0.349	22.1
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	20175/1732.5	1:1	0.217	-0.06	17.63	19.00	1.371	0.297	22.1
Back side	20	QPSK 50_0	20175/1732.5	1:1	0.284	-0.02	17.63	19.00	1.371	0.389	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	20175/1732.5	1:1	0.205	0.02	17.89	19.00	1.291	0.265	22.1
Back side	20	QPSK 1_0	20175/1732.5	1:1	0.270	-0.08	17.89	19.00	1.291	0.349	22.1
Left side	20	QPSK 1_0	20175/1732.5	1:1	0.068	0.12	17.89	19.00	1.291	0.088	22.1
Top side	20	QPSK 1_0	20175/1732.5	1:1	0.326	-0.07	17.89	19.00	1.291	0.421	22.1
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	20175/1732.5	1:1	0.217	-0.06	17.63	19.00	1.371	0.297	22.1
Back side	20	QPSK 50_0	20175/1732.5	1:1	0.284	-0.02	17.63	19.00	1.371	0.389	22.1
Left side	20	QPSK 50_0	20175/1732.5	1:1	0.078	-0.15	17.63	19.00	1.371	0.107	22.1
Top side	20	QPSK 50_0	20175/1732.5	1:1	0.336	-0.05	17.63	19.00	1.371	0.461	22.1
Ant 5 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	20175/1732.5	1:1	0.165	0.11	24.46	25.50	1.271	0.210	22.1
Left tilted	20	QPSK 1_0	20175/1732.5	1:1	0.032	0.01	24.46	25.50	1.271	0.041	22.1
Right cheek	20	QPSK 1_0	20175/1732.5	1:1	0.300	0.01	24.46	25.50	1.271	0.381	22.1
Right tilted	20	QPSK 1_0	20175/1732.5	1:1	0.045	0.15	24.46	25.50	1.271	0.057	22.1
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	20175/1732.5	1:1	0.140	-0.03	24.29	24.50	1.050	0.147	22.1
Left tilted	20	QPSK 50_0	20175/1732.5	1:1	0.024	0.07	24.29	24.50	1.050	0.025	22.1
Right cheek	20	QPSK 50_0	20175/1732.5	1:1	0.225	0.17	24.29	24.50	1.050	0.236	22.1
Right tilted	20	QPSK 50_0	20175/1732.5	1:1	0.039	-0.12	24.29	24.50	1.050	0.041	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	20175/1732.5	1:1	0.189	0.08	18.36	19.50	1.300	0.246	22.1
Back side	20	QPSK 1_0	20175/1732.5	1:1	0.220	0.16	18.36	19.50	1.300	0.286	22.1
Body worn Test data (Separate 10mm 50%RB) State3											

Front side	20	QPSK 50_0	20175/1732.5	1:1	0.198	-0.09	18.31	19.50	1.315	0.260	22.1
Back side	20	QPSK 50_0	20175/1732.5	1:1	0.225	0.03	18.31	19.50	1.315	0.296	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	20175/1732.5	1:1	0.189	0.08	18.36	19.50	1.300	0.246	22.1
Back side	20	QPSK 1_0	20175/1732.5	1:1	0.220	0.16	18.36	19.50	1.300	0.286	22.1
Left side	20	QPSK 1_0	20175/1732.5	1:1	0.046	0.09	18.36	19.50	1.300	0.060	22.1
Right side	20	QPSK 1_0	20175/1732.5	1:1	0.043	0.09	18.36	19.50	1.300	0.056	22.1
Bottom side	20	QPSK 1_0	20175/1732.5	1:1	0.322	0.07	18.36	19.50	1.300	0.419	22.1
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	20175/1732.5	1:1	0.198	-0.09	18.31	19.50	1.315	0.260	22.1
Back side	20	QPSK 50_0	20175/1732.5	1:1	0.225	0.03	18.31	19.50	1.315	0.296	22.1
Left side	20	QPSK 50_0	20175/1732.5	1:1	0.050	0.07	18.31	19.50	1.315	0.066	22.1
Right side	20	QPSK 50_0	20175/1732.5	1:1	0.050	-0.07	18.31	19.50	1.315	0.066	22.1
Bottom side	20	QPSK 50_0	20175/1732.5	1:1	0.327	-0.17	18.31	19.50	1.315	0.430	22.1
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	20175/1732.5	1:1	0.623	0.07	16.77	17.80	1.268	0.790	22.1
Left tilted	20	QPSK 1_0	20175/1732.5	1:1	0.145	0.09	16.77	17.80	1.268	0.184	22.1
Right cheek	20	QPSK 1_0	20175/1732.5	1:1	0.294	-0.06	16.77	17.80	1.268	0.373	22.1
Right tilted	20	QPSK 1_0	20175/1732.5	1:1	0.089	0.18	16.77	17.80	1.268	0.113	22.1
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	20175/1732.5	1:1	0.507	0.01	16.51	17.80	1.346	0.682	22.1
Left tilted	20	QPSK 50_0	20175/1732.5	1:1	0.126	0.13	16.51	17.80	1.346	0.170	22.1
Right cheek	20	QPSK 50_0	20175/1732.5	1:1	0.266	-0.19	16.51	17.80	1.346	0.358	22.1
Right tilted	20	QPSK 50_0	20175/1732.5	1:1	0.067	0.03	16.51	17.80	1.346	0.090	22.1
Head Evaluate Data (1RB) State15											
Left cheek	20	QPSK 1_0	20175/1732.5	1:1	0.623	0.07	16.77	15.80	0.800	0.498	22.1
Left tilted	20	QPSK 1_0	20175/1732.5	1:1	0.145	0.09	16.77	15.80	0.800	0.116	22.1
Right cheek	20	QPSK 1_0	20175/1732.5	1:1	0.294	-0.06	16.77	15.80	0.800	0.235	22.1
Right tilted	20	QPSK 1_0	20175/1732.5	1:1	0.089	0.18	16.77	15.80	0.800	0.071	22.1
Head Evaluate Data (50%RB) State15											
Left cheek	20	QPSK 50_0	20175/1732.5	1:1	0.507	0.01	16.51	15.80	0.849	0.431	22.1
Left tilted	20	QPSK 50_0	20175/1732.5	1:1	0.126	0.13	16.51	15.80	0.849	0.107	22.1
Right cheek	20	QPSK 50_0	20175/1732.5	1:1	0.266	-0.19	16.51	15.80	0.849	0.226	22.1
Right tilted	20	QPSK 50_0	20175/1732.5	1:1	0.067	0.03	16.51	15.80	0.849	0.057	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	20175/1732.5	1:1	0.121	-0.02	19.26	20.30	1.271	0.154	22.1
Back side	20	QPSK 1_0	20175/1732.5	1:1	0.114	0.07	19.26	20.30	1.271	0.145	22.1
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	20175/1732.5	1:1	0.118	0.17	19.10	20.30	1.318	0.156	22.1
Back side	20	QPSK 50_0	20175/1732.5	1:1	0.110	0.09	19.10	20.30	1.318	0.145	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	20175/1732.5	1:1	0.121	-0.02	19.26	20.30	1.271	0.154	22.1
Back side	20	QPSK 1_0	20175/1732.5	1:1	0.114	0.07	19.26	20.30	1.271	0.145	22.1
Right side	20	QPSK 1_0	20175/1732.5	1:1	0.102	0.05	19.26	20.30	1.271	0.130	22.1
Top side	20	QPSK 1_0	20175/1732.5	1:1	0.011	0.04	19.26	20.30	1.271	0.014	22.1
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	20175/1732.5	1:1	0.118	0.17	19.10	20.30	1.318	0.156	22.1

Back side	20	QPSK 50_0	20175/1732.5	1:1	0.110	0.09	19.10	20.30	1.318	0.145	22.1
Right side	20	QPSK 50_0	20175/1732.5	1:1	0.107	-0.07	19.10	20.30	1.318	0.141	22.1
Top side	20	QPSK 50_0	20175/1732.5	1:1	0.010	0.13	19.10	20.30	1.318	0.013	22.1
Ant 4 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	20175/1732.5	1:1	0.088	-0.13	18.73	19.80	1.279	0.113	22.1
Left tilted	20	QPSK 1_0	20175/1732.5	1:1	0.023	-0.12	18.73	19.80	1.279	0.029	22.1
Right cheek	20	QPSK 1_0	20175/1732.5	1:1	0.614	-0.03	18.73	19.80	1.279	0.786	22.1
Right tilted	20	QPSK 1_0	20175/1732.5	1:1	0.142	-0.10	18.73	19.80	1.279	0.182	22.1
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	20175/1732.5	1:1	0.093	-0.19	18.61	19.80	1.315	0.122	22.1
Left tilted	20	QPSK 50_0	20175/1732.5	1:1	0.026	0.02	18.61	19.80	1.315	0.034	22.1
Right cheek	20	QPSK 50_0	20175/1732.5	1:1	0.730	0.16	18.61	19.80	1.315	0.960	22.1
Right tilted	20	QPSK 50_0	20175/1732.5	1:1	0.162	-0.16	18.61	19.80	1.315	0.213	22.1
Head Test Data (100%RB) State5											
Right cheek	20	QPSK 100_0	20175/1732.5	1:1	0.659	0.09	18.34	19.80	1.400	0.922	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	20175/1732.5	1:1	0.121	-0.09	19.48	20.30	1.208	0.146	22.1
Back side	20	QPSK 1_0	20175/1732.5	1:1	0.166	0.08	19.48	20.30	1.208	0.200	22.1
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	20175/1732.5	1:1	0.141	-0.04	19.35	20.30	1.245	0.175	22.1
Back side	20	QPSK 50_0	20175/1732.5	1:1	0.179	0.16	19.35	20.30	1.245	0.223	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	20175/1732.5	1:1	0.121	-0.09	19.48	20.30	1.208	0.146	22.1
Back side	20	QPSK 1_0	20175/1732.5	1:1	0.166	0.08	19.48	20.30	1.208	0.200	22.1
Left side	20	QPSK 1_0	20175/1732.5	1:1	0.257	-0.11	19.48	20.30	1.208	0.310	22.1
Top side	20	QPSK 1_0	20175/1732.5	1:1	0.019	0.08	19.48	20.30	1.208	0.023	22.1
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	20175/1732.5	1:1	0.141	-0.04	19.35	20.30	1.245	0.175	22.1
Back side	20	QPSK 50_0	20175/1732.5	1:1	0.179	0.16	19.35	20.30	1.245	0.223	22.1
Left side	20	QPSK 50_0	20175/1732.5	1:1	0.282	0.02	19.35	20.30	1.245	0.351	22.1
Top side	20	QPSK 50_0	20175/1732.5	1:1	0.021	0.07	19.35	20.30	1.245	0.026	22.1

10.3.8 SAR Result of LTE Band 7

LTE Band 7 SAR Test Record											
Ant 6 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.066	0.14	15.21	15.80	1.146	0.076	22.1
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.064	0.03	15.21	15.80	1.146	0.073	22.1
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.475	0.10	15.21	15.80	1.146	0.544	22.1
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.551	0.09	15.21	15.80	1.146	0.631	22.1
Right tilted-7C	20	QPSK 1_0	21100/2535	1:1	0.507	0.08	15.06	15.80	1.186	0.601	22.1
		QPSK 1_99	20902/2515.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.051	0.08	15.04	15.80	1.191	0.061	22.1
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.056	-0.11	15.04	15.80	1.191	0.067	22.1
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.436	-0.19	15.04	15.80	1.191	0.519	22.1
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.524	0.19	15.04	15.80	1.191	0.624	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	21100/2535	1:1	0.077	0.15	14.35	14.80	1.109	0.085	22.1
Back side	20	QPSK 1_0	21100/2535	1:1	0.106	0.16	14.35	14.80	1.109	0.118	22.1
Back side-7C	20	QPSK 1_0	21100/2535	1:1	0.086	-0.06	14.23	14.80	1.140	0.098	22.1
		QPSK 1_99	20902/2515.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	21100/2535	1:1	0.070	-0.14	14.26	14.80	1.132	0.079	22.1
Back side	20	QPSK 50_0	21100/2535	1:1	0.099	0.04	14.26	14.80	1.132	0.112	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	21100/2535	1:1	0.077	0.15	14.35	14.80	1.109	0.085	22.1
Back side	20	QPSK 1_0	21100/2535	1:1	0.106	0.16	14.35	14.80	1.109	0.118	22.1
Left side	20	QPSK 1_0	21100/2535	1:1	0.035	-0.02	14.35	14.80	1.109	0.039	22.1
Top side	20	QPSK 1_0	21100/2535	1:1	0.198	0.16	14.35	14.80	1.109	0.220	22.1
Top side-7C	20	QPSK 1_0	21100/2535	1:1	0.173	0.04	14.23	14.80	1.140	0.197	22.1
		QPSK 1_99	20902/2515.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	21100/2535	1:1	0.070	-0.14	14.26	14.80	1.132	0.079	22.1
Back side	20	QPSK 50_0	21100/2535	1:1	0.099	0.04	14.26	14.80	1.132	0.112	22.1
Left side	20	QPSK 50_0	21100/2535	1:1	0.025	0.12	14.26	14.80	1.132	0.028	22.1
Top side	20	QPSK 50_0	21100/2535	1:1	0.184	-0.04	14.26	14.80	1.132	0.208	22.1
Ant 5 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.125	-0.08	23.42	23.80	1.091	0.136	22.1
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.045	-0.10	23.42	23.80	1.091	0.049	22.1
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.194	-0.12	23.42	23.80	1.091	0.212	22.1
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.048	0.08	23.42	23.80	1.091	0.052	22.1
Right cheek-7C	20	QPSK 1_0	21100/2535	1:1	0.174	0.03	23.24	23.80	1.138	0.198	22.1
		QPSK 1_99	20902/2515.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.077	-0.16	22.32	22.80	1.117	0.086	22.1
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.024	-0.13	22.32	22.80	1.117	0.027	22.1
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.121	-0.18	22.32	22.80	1.117	0.135	22.1
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.026	0.00	22.32	22.80	1.117	0.029	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	21100/2535	1:1	0.071	-0.10	16.75	17.30	1.135	0.081	22.1
Back side	20	QPSK 1_0	21100/2535	1:1	0.078	-0.14	16.75	17.30	1.135	0.089	22.1
Back side-7C	20	QPSK 1_0	21100/2535	1:1	0.071	0.06	16.66	17.30	1.159	0.082	22.1

		QPSK 1_99	20902/2515.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	21100/2535	1:1	0.067	-0.01	16.69	17.30	1.151	0.077	22.1
Back side	20	QPSK 50_0	21100/2535	1:1	0.071	0.15	16.69	17.30	1.151	0.082	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	21100/2535	1:1	0.071	-0.10	16.75	17.30	1.135	0.081	22.1
Back side	20	QPSK 1_0	21100/2535	1:1	0.078	-0.14	16.75	17.30	1.135	0.089	22.1
Left side	20	QPSK 1_0	21100/2535	1:1	0.031	0.15	16.75	17.30	1.135	0.035	22.1
Right side	20	QPSK 1_0	21100/2535	1:1	0.034	-0.08	16.75	17.30	1.135	0.039	22.1
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.107	0.13	16.75	17.30	1.135	0.121	22.1
Bottom side-7C	20	QPSK 1_0	21100/2535	1:1	0.092	0.07	16.66	17.30	1.159	0.107	22.1
		QPSK 1_99	20902/2515.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	21100/2535	1:1	0.067	-0.01	16.69	17.30	1.151	0.077	22.1
Back side	20	QPSK 50_0	21100/2535	1:1	0.071	0.15	16.69	17.30	1.151	0.082	22.1
Left side	20	QPSK 50_0	21100/2535	1:1	0.025	-0.05	16.69	17.30	1.151	0.029	22.1
Right side	20	QPSK 50_0	21100/2535	1:1	0.030	0.13	16.69	17.30	1.151	0.035	22.1
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.102	-0.13	16.69	17.30	1.151	0.117	22.1
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.510	-0.11	17.02	17.60	1.143	0.583	22.1
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.030	0.14	17.02	17.60	1.143	0.034	22.1
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.593	0.02	17.02	17.60	1.143	0.678	22.1
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.059	0.15	17.02	17.60	1.143	0.067	22.1
Right cheek-7C	20	QPSK 1_0	21100/2535	1:1	0.556	0.03	16.83	17.60	1.194	0.664	22.1
		QPSK 1_99	20902/2515.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.471	-0.10	16.76	17.60	1.213	0.572	22.1
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.027	-0.10	16.76	17.60	1.213	0.033	22.1
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.553	-0.02	16.76	17.60	1.213	0.671	22.1
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.051	-0.01	16.76	17.60	1.213	0.062	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	21100/2535	1:1	0.107	-0.15	15.59	16.60	1.262	0.135	22.1
Back side	20	QPSK 1_0	21100/2535	1:1	0.129	0.07	15.59	16.60	1.262	0.163	22.1
Back side-7C	20	QPSK 1_0	21100/2535	1:1	0.111	0.01	15.45	16.60	1.303	0.145	22.1
		QPSK 1_99	20902/2515.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	21100/2535	1:1	0.106	0.07	15.35	16.60	1.334	0.141	22.1
Back side	20	QPSK 50_0	21100/2535	1:1	0.122	-0.11	15.35	16.60	1.334	0.163	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	21100/2535	1:1	0.107	-0.15	15.59	16.60	1.262	0.135	22.1
Back side	20	QPSK 1_0	21100/2535	1:1	0.129	0.07	15.59	16.60	1.262	0.163	22.1
Right side	20	QPSK 1_0	21100/2535	1:1	0.196	-0.02	15.59	16.60	1.262	0.247	22.1
Top side	20	QPSK 1_0	21100/2535	1:1	0.023	-0.17	15.59	16.60	1.262	0.029	22.1
Right side-7C	20	QPSK 1_0	21100/2535	1:1	0.177	0.11	15.45	16.60	1.303	0.231	22.1
		QPSK 1_99	20902/2515.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	21100/2535	1:1	0.106	0.07	15.35	16.60	1.334	0.141	22.1
Back side	20	QPSK 50_0	21100/2535	1:1	0.122	-0.11	15.35	16.60	1.334	0.163	22.1
Right side	20	QPSK 50_0	21100/2535	1:1	0.182	-0.18	15.35	16.60	1.334	0.243	22.1
Top side	20	QPSK 50_0	21100/2535	1:1	0.019	0.14	15.35	16.60	1.334	0.025	22.1
Ant 4 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)

Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.102	-0.05	16.96	18.00	1.271	0.130	22.1
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.009	0.03	16.96	18.00	1.271	0.011	22.1
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.823	-0.01	16.96	18.00	1.271	1.046	22.1
Right cheek-repeated	20	QPSK 1_0	21100/2535	1:1	0.814	0.02	16.96	18.00	1.271	1.034	22.1
Right cheek	20	QPSK 1_0	20850/2510	1:1	0.784	0.07	16.88	18.00	1.294	1.015	22.1
Right cheek	20	QPSK 1_0	21350/2560	1:1	0.772	0.11	16.74	18.00	1.337	1.032	22.1
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.145	0.13	16.96	18.00	1.271	0.184	22.1
Right cheek-7C	20	QPSK 1_0	21100/2535	1:1	0.763	0.04	16.77	18.00	1.327	1.013	22.1
		QPSK 1_99	20902/2515.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.089	0.02	16.71	18.00	1.346	0.120	22.1
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.003	-0.03	16.71	18.00	1.346	0.004	22.1
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.639	-0.09	16.71	18.00	1.346	0.860	22.1
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.603	0.03	16.64	18.00	1.368	0.825	22.1
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.597	0.12	16.52	18.00	1.406	0.839	22.1
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.133	-0.17	16.71	18.00	1.346	0.179	22.1
Head Test Data (100%RB) State5											
Right cheek	20	QPSK 100_0	21100/2535	1:1	0.615	0.07	16.62	18.00	1.374	0.845	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	21100/2535	1:1	0.091	-0.10	15.99	17.00	1.262	0.115	22.1
Back side	20	QPSK 1_0	21100/2535	1:1	0.113	0.16	15.99	17.00	1.262	0.143	22.1
Back side-7C	20	QPSK 1_0	21100/2535	1:1	0.107	0.02	15.80	17.00	1.318	0.141	22.1
		QPSK 1_99	20902/2515.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	21100/2535	1:1	0.085	-0.16	15.73	17.00	1.340	0.114	22.1
Back side	20	QPSK 50_0	21100/2535	1:1	0.107	0.02	15.73	17.00	1.340	0.143	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	21100/2535	1:1	0.091	-0.10	15.99	17.00	1.262	0.115	22.1
Back side	20	QPSK 1_0	21100/2535	1:1	0.113	0.16	15.99	17.00	1.262	0.143	22.1
Left side	20	QPSK 1_0	21100/2535	1:1	0.215	0.03	15.99	17.00	1.262	0.271	22.1
Top side	20	QPSK 1_0	21100/2535	1:1	0.029	0.05	15.99	17.00	1.262	0.037	22.1
Left side-7C	20	QPSK 1_0	21100/2535	1:1	0.194	-0.07	15.80	17.00	1.318	0.256	22.1
		QPSK 1_99	20902/2515.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	21100/2535	1:1	0.085	-0.16	15.73	17.00	1.340	0.114	22.1
Back side	20	QPSK 50_0	21100/2535	1:1	0.107	0.02	15.73	17.00	1.340	0.143	22.1
Left side	20	QPSK 50_0	21100/2535	1:1	0.201	0.16	15.73	17.00	1.340	0.269	22.1
Top side	20	QPSK 50_0	21100/2535	1:1	0.027	-0.08	15.73	17.00	1.340	0.036	22.1

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	21100/2535	0.823	0.814	1.011	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

10.3.9 SAR Result of LTE Band 12

LTE Band 12 SAR Test Record											
Ant 1 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	10	QPSK 1_0	23095/707.5	1:1	0.175	0.15	24.38	25.40	1.265	0.221	22.3
Left tilted	10	QPSK 1_0	23095/707.5	1:1	0.050	-0.15	24.38	25.40	1.265	0.063	22.3
Right cheek	10	QPSK 1_0	23095/707.5	1:1	0.321	0.05	24.38	25.40	1.265	0.406	22.3
Right tilted	10	QPSK 1_0	23095/707.5	1:1	0.043	-0.12	24.38	25.40	1.265	0.054	22.3
Head Test Data (50%RB) State5											
Left cheek	10	QPSK 25_0	23095/707.5	1:1	0.158	0.01	24.17	24.40	1.054	0.167	22.3
Left tilted	10	QPSK 25_0	23095/707.5	1:1	0.046	0.08	24.17	24.40	1.054	0.049	22.3
Right cheek	10	QPSK 25_0	23095/707.5	1:1	0.293	0.17	24.17	24.40	1.054	0.309	22.3
Right tilted	10	QPSK 25_0	23095/707.5	1:1	0.030	-0.17	24.17	24.40	1.054	0.032	22.3
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.217	0.03	22.76	23.90	1.300	0.282	22.3
Back side	10	QPSK 1_0	23095/707.5	1:1	0.255	0.04	22.76	23.90	1.300	0.332	22.3
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.212	0.17	22.51	23.90	1.377	0.292	22.3
Back side	10	QPSK 25_0	23095/707.5	1:1	0.250	0.12	22.51	23.90	1.377	0.344	22.3
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.217	0.03	22.76	23.90	1.300	0.282	22.3
Back side	10	QPSK 1_0	23095/707.5	1:1	0.255	0.04	22.76	23.90	1.300	0.332	22.3
Right side	10	QPSK 1_0	23095/707.5	1:1	0.308	-0.11	22.76	23.90	1.300	0.400	22.3
Bottom side	10	QPSK 1_0	23095/707.5	1:1	0.117	0.14	22.76	23.90	1.300	0.152	22.3
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.212	0.17	22.51	23.90	1.377	0.292	22.3
Back side	10	QPSK 25_0	23095/707.5	1:1	0.250	0.12	22.51	23.90	1.377	0.344	22.3
Right side	10	QPSK 25_0	23095/707.5	1:1	0.319	-0.05	22.51	23.90	1.377	0.439	22.3
Bottom side	10	QPSK 25_0	23095/707.5	1:1	0.107	-0.18	22.51	23.90	1.377	0.147	22.3
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	10	QPSK 1_0	23095/707.5	1:1	0.251	-0.09	21.94	22.70	1.191	0.299	22.3
Left tilted	10	QPSK 1_0	23095/707.5	1:1	0.064	-0.03	21.94	22.70	1.191	0.076	22.3
Right cheek	10	QPSK 1_0	23095/707.5	1:1	0.276	0.04	21.94	22.70	1.191	0.329	22.3
Right tilted	10	QPSK 1_0	23095/707.5	1:1	0.053	-0.05	21.94	22.70	1.191	0.063	22.3
Head Test Data (50%RB) State5											
Left cheek	10	QPSK 25_0	23095/707.5	1:1	0.221	-0.08	21.70	22.70	1.259	0.278	22.3
Left tilted	10	QPSK 25_0	23095/707.5	1:1	0.058	-0.06	21.70	22.70	1.259	0.073	22.3
Right cheek	10	QPSK 25_0	23095/707.5	1:1	0.249	0.07	21.70	22.70	1.259	0.313	22.3
Right tilted	10	QPSK 25_0	23095/707.5	1:1	0.044	-0.19	21.70	22.70	1.259	0.055	22.3
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.159	-0.10	19.06	19.70	1.159	0.184	22.3
Back side	10	QPSK 1_0	23095/707.5	1:1	0.175	-0.11	19.06	19.70	1.159	0.203	22.3
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.150	-0.18	18.84	19.70	1.219	0.183	22.3
Back side	10	QPSK 25_0	23095/707.5	1:1	0.169	-0.05	18.84	19.70	1.219	0.206	22.3



Hotspot Test data (Separate 10mm 1RB) State3											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.159	-0.10	19.06	19.70	1.159	0.184	22.3
Back side	10	QPSK 1_0	23095/707.5	1:1	0.175	-0.11	19.06	19.70	1.159	0.203	22.3
Left side	10	QPSK 1_0	23095/707.5	1:1	0.388	0.11	19.06	19.70	1.159	0.450	22.3
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.150	-0.18	18.84	19.70	1.219	0.183	22.3
Back side	10	QPSK 25_0	23095/707.5	1:1	0.169	-0.05	18.84	19.70	1.219	0.206	22.3
Left side	10	QPSK 25_0	23095/707.5	1:1	0.378	0.04	18.84	19.70	1.219	0.461	22.3

10.3.10 SAR Result of LTE Band 13

LTE Band 13 SAR Test Record											
Ant 1 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	10	QPSK 1_0	23230/782	1:1	0.254	0.10	24.33	25.50	1.309	0.333	22.3
Left tilted	10	QPSK 1_0	23230/782	1:1	0.065	0.16	24.33	25.50	1.309	0.085	22.3
Right cheek	10	QPSK 1_0	23230/782	1:1	0.412	0.08	24.33	25.50	1.309	0.539	22.3
Right tilted	10	QPSK 1_0	23230/782	1:1	0.076	-0.12	24.33	25.50	1.309	0.099	22.3
Head Test Data (50%RB) State5											
Left cheek	10	QPSK 25_0	23230/782	1:1	0.231	0.15	24.23	24.50	1.064	0.246	22.3
Left tilted	10	QPSK 25_0	23230/782	1:1	0.046	0.13	24.23	24.50	1.064	0.049	22.3
Right cheek	10	QPSK 25_0	23230/782	1:1	0.382	-0.01	24.23	24.50	1.064	0.407	22.3
Right tilted	10	QPSK 25_0	23230/782	1:1	0.064	0.10	24.23	24.50	1.064	0.068	22.3
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	10	QPSK 1_0	23230/782	1:1	0.147	-0.19	22.74	24.00	1.337	0.196	22.3
Back side	10	QPSK 1_0	23230/782	1:1	0.167	-0.03	22.74	24.00	1.337	0.223	22.3
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	10	QPSK 25_0	23230/782	1:1	0.141	-0.03	22.55	24.00	1.396	0.197	22.3
Back side	10	QPSK 25_0	23230/782	1:1	0.162	0.04	22.55	24.00	1.396	0.226	22.3
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	10	QPSK 1_0	23230/782	1:1	0.147	-0.19	22.74	24.00	1.337	0.196	22.3
Back side	10	QPSK 1_0	23230/782	1:1	0.167	-0.03	22.74	24.00	1.337	0.223	22.3
Right side	10	QPSK 1_0	23230/782	1:1	0.238	0.16	22.74	24.00	1.337	0.318	22.3
Bottom side	10	QPSK 1_0	23230/782	1:1	0.061	-0.01	22.74	24.00	1.337	0.082	22.3
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	10	QPSK 25_0	23230/782	1:1	0.141	-0.03	22.55	24.00	1.396	0.197	22.3
Back side	10	QPSK 25_0	23230/782	1:1	0.162	0.04	22.55	24.00	1.396	0.226	22.3
Right side	10	QPSK 25_0	23230/782	1:1	0.247	-0.15	22.55	24.00	1.396	0.345	22.3
Bottom side	10	QPSK 25_0	23230/782	1:1	0.058	-0.01	22.55	24.00	1.396	0.081	22.3
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	10	QPSK 1_0	23230/782	1:1	0.399	0.08	21.93	22.60	1.167	0.466	22.3
Left tilted	10	QPSK 1_0	23230/782	1:1	0.047	-0.03	21.93	22.60	1.167	0.055	22.3
Right cheek	10	QPSK 1_0	23230/782	1:1	0.267	0.01	21.93	22.60	1.167	0.312	22.3
Right tilted	10	QPSK 1_0	23230/782	1:1	0.057	0.17	21.93	22.60	1.167	0.067	22.3
Head Test Data (50%RB) State5											
Left cheek	10	QPSK 25_0	23230/782	1:1	0.387	-0.04	21.75	22.60	1.216	0.471	22.3
Left tilted	10	QPSK 25_0	23230/782	1:1	0.041	0.06	21.75	22.60	1.216	0.050	22.3
Right cheek	10	QPSK 25_0	23230/782	1:1	0.255	0.03	21.75	22.60	1.216	0.310	22.3
Right tilted	10	QPSK 25_0	23230/782	1:1	0.046	-0.06	21.75	22.60	1.216	0.056	22.3
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	10	QPSK 1_0	23230/782	1:1	0.145	0.18	18.91	19.60	1.172	0.170	22.3
Back side	10	QPSK 1_0	23230/782	1:1	0.166	0.14	18.91	19.60	1.172	0.195	22.3
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	10	QPSK 25_0	23230/782	1:1	0.141	-0.10	18.72	19.60	1.225	0.173	22.3
Back side	10	QPSK 25_0	23230/782	1:1	0.163	-0.15	18.72	19.60	1.225	0.200	22.3



Hotspot Test data (Separate 10mm 1RB) State3											
Front side	10	QPSK 1_0	23230/782	1:1	0.145	0.18	18.91	19.60	1.172	0.170	22.3
Back side	10	QPSK 1_0	23230/782	1:1	0.166	0.14	18.91	19.60	1.172	0.195	22.3
Left side	10	QPSK 1_0	23230/782	1:1	0.310	0.11	18.91	19.60	1.172	0.363	22.3
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	10	QPSK 25_0	23230/782	1:1	0.141	-0.10	18.72	19.60	1.225	0.173	22.3
Back side	10	QPSK 25_0	23230/782	1:1	0.163	-0.15	18.72	19.60	1.225	0.200	22.3
Left side	10	QPSK 25_0	23230/782	1:1	0.299	0.05	18.72	19.60	1.225	0.366	22.3

10.3.11 SAR Result of LTE Band 26

LTE Band 26 SAR Test Record											
Ant 1 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	15	QPSK 1_0	26865/831.5	1:1	0.262	-0.15	23.30	24.50	1.318	0.345	22.4
Left tilted	15	QPSK 1_0	26865/831.5	1:1	0.047	0.03	23.30	24.50	1.318	0.062	22.4
Right cheek	15	QPSK 1_0	26865/831.5	1:1	0.445	-0.01	23.30	24.50	1.318	0.587	22.4
Right tilted	15	QPSK 1_0	26865/831.5	1:1	0.074	0.17	23.30	24.50	1.318	0.098	22.4
Head Test Data (50%RB) State5											
Left cheek	15	QPSK 36_0	26865/831.5	1:1	0.232	-0.15	23.05	24.50	1.396	0.324	22.4
Left tilted	15	QPSK 36_0	26865/831.5	1:1	0.035	-0.06	23.05	24.50	1.396	0.049	22.4
Right cheek	15	QPSK 36_0	26865/831.5	1:1	0.400	0.13	23.05	24.50	1.396	0.559	22.4
Right tilted	15	QPSK 36_0	26865/831.5	1:1	0.065	0.03	23.05	24.50	1.396	0.091	22.4
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.178	-0.16	21.81	23.00	1.315	0.234	22.4
Back side	15	QPSK 1_0	26865/831.5	1:1	0.213	0.10	21.81	23.00	1.315	0.280	22.4
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.166	-0.15	21.69	23.00	1.352	0.224	22.4
Back side	15	QPSK 36_0	26865/831.5	1:1	0.200	-0.04	21.69	23.00	1.352	0.270	22.4
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.178	-0.16	21.81	23.00	1.315	0.234	22.4
Back side	15	QPSK 1_0	26865/831.5	1:1	0.213	0.10	21.81	23.00	1.315	0.280	22.4
Right side	15	QPSK 1_0	26865/831.5	1:1	0.387	0.09	21.81	23.00	1.315	0.509	22.4
Bottom side	15	QPSK 1_0	26865/831.5	1:1	0.053	-0.09	21.81	23.00	1.315	0.070	22.4
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.166	-0.15	21.69	23.00	1.352	0.224	22.4
Back side	15	QPSK 36_0	26865/831.5	1:1	0.200	-0.04	21.69	23.00	1.352	0.270	22.4
Right side	15	QPSK 36_0	26865/831.5	1:1	0.373	0.12	21.69	23.00	1.352	0.504	22.4
Bottom side	15	QPSK 36_0	26865/831.5	1:1	0.052	-0.14	21.69	23.00	1.352	0.070	22.4
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	15	QPSK 1_0	26865/831.5	1:1	0.190	-0.11	20.09	21.10	1.262	0.240	22.4
Left tilted	15	QPSK 1_0	26865/831.5	1:1	0.040	-0.15	20.09	21.10	1.262	0.050	22.4
Right cheek	15	QPSK 1_0	26865/831.5	1:1	0.206	0.16	20.09	21.10	1.262	0.260	22.4
Right tilted	15	QPSK 1_0	26865/831.5	1:1	0.046	-0.11	20.09	21.10	1.262	0.058	22.4
Head Test Data (50%RB) State5											
Left cheek	15	QPSK 36_0	26865/831.5	1:1	0.165	-0.06	19.93	21.10	1.309	0.216	22.4
Left tilted	15	QPSK 36_0	26865/831.5	1:1	0.033	0.18	19.93	21.10	1.309	0.043	22.4
Right cheek	15	QPSK 36_0	26865/831.5	1:1	0.179	0.06	19.93	21.10	1.309	0.234	22.4
Right tilted	15	QPSK 36_0	26865/831.5	1:1	0.039	0.07	19.93	21.10	1.309	0.051	22.4
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.169	0.04	18.77	20.10	1.358	0.230	22.4
Back side	15	QPSK 1_0	26865/831.5	1:1	0.192	-0.16	18.77	20.10	1.358	0.261	22.4
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.162	0.14	18.65	20.10	1.396	0.226	22.4
Back side	15	QPSK 36_0	26865/831.5	1:1	0.173	0.09	18.65	20.10	1.396	0.242	22.4



Hotspot Test data (Separate 10mm 1RB) State3											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.169	0.04	18.77	20.10	1.358	0.230	22.4
Back side	15	QPSK 1_0	26865/831.5	1:1	0.192	-0.16	18.77	20.10	1.358	0.261	22.4
Left side	15	QPSK 1_0	26865/831.5	1:1	0.354	0.10	18.77	20.10	1.358	0.481	22.4
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.162	0.14	18.65	20.10	1.396	0.226	22.4
Back side	15	QPSK 36_0	26865/831.5	1:1	0.173	0.09	18.65	20.10	1.396	0.242	22.4
Left side	15	QPSK 36_0	26865/831.5	1:1	0.349	-0.07	18.65	20.10	1.396	0.487	22.4

10.3.12 SAR Result of LTE Band 38

LTE Band 38 SAR Test Record											
Ant 5 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)State5											
Left cheek	20	QPSK 1_0	38000/2595	1:1.58	0.066	0.07	24.05	25.30	1.334	0.088	22.1
Left tilted	20	QPSK 1_0	38000/2595	1:1.58	0.015	-0.02	24.05	25.30	1.334	0.020	22.1
Right cheek	20	QPSK 1_0	38000/2595	1:1.58	0.166	0.19	24.05	25.30	1.334	0.221	22.1
Right tilted	20	QPSK 1_0	38000/2595	1:1.58	0.041	-0.05	24.05	25.30	1.334	0.055	22.1
Right cheek-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.136	0.17	23.86	25.30	1.393	0.189	22.1
		QPSK 1_99	37901/2585.1								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	38000/2595	1:1.58	0.057	-0.17	22.92	24.30	1.374	0.078	22.1
Left tilted	20	QPSK 50_0	38000/2595	1:1.58	0.012	-0.18	22.92	24.30	1.374	0.016	22.1
Right cheek	20	QPSK 50_0	38000/2595	1:1.58	0.128	-0.08	22.92	24.30	1.374	0.176	22.1
Right tilted	20	QPSK 50_0	38000/2595	1:1.58	0.039	0.05	22.92	24.30	1.374	0.054	22.1

10.3.13 SAR Result of LTE Band 41

LTE Band 41 SAR Test Record											
Ant 6 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.333	-0.17	20.25	21.10	1.216	0.405	22.1
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.437	-0.12	20.25	21.10	1.216	0.531	22.1
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.649	-0.10	20.25	21.10	1.216	0.789	22.1
Right cheek	20	QPSK 1_0	39750/2506	1:1.58	0.611	0.19	20.18	21.10	1.236	0.755	22.1
Right cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.613	0.02	20.19	21.10	1.233	0.756	22.1
Right cheek	20	QPSK 1_0	41055/2636.5	1:1.58	0.624	0.07	20.13	21.10	1.250	0.780	22.1
Right cheek	20	QPSK 1_0	41490/2680	1:1.58	0.619	-0.02	20.15	21.10	1.245	0.770	22.1
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.875	0.02	20.25	21.10	1.216	1.064	22.1
Right tilted-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.628	-0.11	20.25	21.10	1.216	0.764	22.1
Right tilted	20	QPSK 1_0	39750/2506	1:1.58	0.848	0.15	20.18	21.10	1.236	1.048	22.1
Right tilted	20	QPSK 1_0	40185/2549.5	1:1.58	0.852	-0.17	20.19	21.10	1.233	1.051	22.1
Right tilted	20	QPSK 1_0	41055/2636.5	1:1.58	0.839	0.04	20.13	21.10	1.250	1.049	22.1
Right tilted	20	QPSK 1_0	41490/2680	1:1.58	0.842	0.16	20.15	21.10	1.245	1.048	22.1
Right cheek-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.636	-0.06	18.11	18.90	1.199	0.763	22.1
		QPSK 1_99	37901/2585.1								
Right tilted-41C	20	QPSK 1_0	40620/2593	1:1.58	0.791	0.15	20.07	21.10	1.268	1.003	22.1
		QPSK 1_99	40422/2573.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.282	0.03	20.21	21.10	1.227	0.346	22.1
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.406	0.07	20.21	21.10	1.227	0.498	22.1
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.578	0.08	20.21	21.10	1.227	0.709	22.1
Right cheek	20	QPSK 50_0	39750/2506	1:1.58	0.543	-0.01	20.17	21.10	1.239	0.673	22.1
Right cheek	20	QPSK 50_0	40185/2549.5	1:1.58	0.555	0.06	20.13	21.10	1.250	0.694	22.1
Right cheek	20	QPSK 50_0	41055/2636.5	1:1.58	0.546	0.05	20.18	21.10	1.236	0.675	22.1
Right cheek	20	QPSK 50_0	41490/2680	1:1.58	0.519	0.07	20.11	21.10	1.256	0.652	22.1
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.845	-0.05	20.21	21.10	1.227	1.037	22.1
Right tilted	20	QPSK 50_0	39750/2506	1:1.58	0.822	0.05	20.17	21.10	1.239	1.018	22.1
Right tilted	20	QPSK 50_0	40185/2549.5	1:1.58	0.833	0.11	20.13	21.10	1.250	1.041	22.1
Right tilted	20	QPSK 50_0	41055/2636.5	1:1.58	0.819	-0.18	20.18	21.10	1.236	1.012	22.1
Right tilted	20	QPSK 50_0	41490/2680	1:1.58	0.794	0.03	20.11	21.10	1.256	0.997	22.1
Head Test Data (100%RB) State5											
Right cheek	20	QPSK 100_0	40620/2593	1:1.58	0.559	0.07	20.17	21.10	1.239	0.692	22.1
Right tilted	20	QPSK 100_0	40620/2593	1:1.58	0.831	0.12	20.17	21.10	1.239	1.029	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.100	-0.01	18.25	19.10	1.216	0.122	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.156	-0.18	18.25	19.10	1.216	0.190	22.1
Back side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.101	0.11	18.25	19.10	1.216	0.123	22.1
Back side-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.065	0.13	15.91	16.90	1.256	0.082	22.1
		QPSK 1_99	37901/2585.1								
Back side-41C	20	QPSK 1_0	40620/2593	1:1.58	0.136	-0.16	17.96	19.10	1.300	0.177	22.1
		QPSK 1_99	40422/2573.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.095	0.13	18.15	19.10	1.245	0.118	22.1

Back side	20	QPSK 50_0	40620/2593	1:1.58	0.142	0.09	18.15	19.10	1.245	0.177	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.100	-0.01	18.25	19.10	1.216	0.122	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.156	-0.18	18.25	19.10	1.216	0.190	22.1
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.043	-0.19	18.25	19.10	1.216	0.052	22.1
Top side	20	QPSK 1_0	40620/2593	1:1.58	0.281	-0.09	18.25	19.10	1.216	0.342	22.1
Top side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.196	-0.02	18.25	19.10	1.216	0.238	22.1
Top side-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.146	0.16	15.91	16.90	1.256	0.183	22.1
		QPSK 1_99	37901/2585.1								
Top side-41C	20	QPSK 1_0	40620/2593	1:1.58	0.243	-0.15	17.96	19.10	1.300	0.316	22.1
		QPSK 1_99	40422/2573.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.095	0.13	18.15	19.10	1.245	0.118	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.142	0.09	18.15	19.10	1.245	0.177	22.1
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.037	0.07	18.15	19.10	1.245	0.046	22.1
Top side	20	QPSK 50_0	40620/2593	1:1.58	0.268	-0.04	18.15	19.10	1.245	0.334	22.1
Ant 5 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.117	0.14	22.73	23.80	1.279	0.150	22.1
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.009	0.12	22.73	23.80	1.279	0.012	22.1
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.192	-0.04	22.73	23.80	1.279	0.246	22.1
Right cheek-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.311	0.02	26.57	27.50	1.239	0.385	22.1
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.012	0.08	22.73	23.80	1.279	0.015	22.1
Right cheek-41C	20	QPSK 1_0	40620/2593	1:1.58	0.180	0.15	22.68	23.80	1.294	0.233	22.1
		QPSK 1_99	40422/2573.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.104	-0.16	22.49	22.80	1.074	0.112	22.1
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.005	-0.11	22.49	22.80	1.074	0.005	22.1
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.186	0.11	22.49	22.80	1.074	0.200	22.1
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.009	0.04	22.49	22.80	1.074	0.010	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.169	-0.05	20.64	21.50	1.219	0.206	22.1
Front side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.109	0.08	20.64	21.50	1.219	0.133	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.165	-0.12	20.64	21.50	1.219	0.201	22.1
Front side-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.066	-0.18	18.48	19.30	1.208	0.080	22.1
		QPSK 1_99	37901/2585.1								
Front side-41C	20	QPSK 1_0	40620/2593	1:1.58	0.138	-0.10	20.51	21.50	1.256	0.173	22.1
		QPSK 1_99	40422/2573.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.158	0.13	20.55	21.50	1.245	0.197	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.146	-0.10	20.55	21.50	1.245	0.182	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.169	-0.05	20.64	21.50	1.219	0.206	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.165	-0.12	20.64	21.50	1.219	0.201	22.1
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.057	-0.15	20.64	21.50	1.219	0.069	22.1
Right side	20	QPSK 1_0	40620/2593	1:1.58	0.050	-0.04	20.64	21.50	1.219	0.061	22.1
Bottom side	20	QPSK 1_0	40620/2593	1:1.58	0.244	-0.16	20.64	21.50	1.219	0.297	22.1
Bottom side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.156	0.11	20.64	21.50	1.219	0.190	22.1

Bottom side-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.100	-0.07	18.48	19.30	1.208	0.121	22.1
		QPSK 1_99	37901/2585.1								
Bottom side-41C	20	QPSK 1_0	40620/2593	1:1.58	0.227	-0.19	20.51	21.50	1.256	0.285	22.1
		QPSK 1_99	40422/2573.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.158	0.13	20.55	21.50	1.245	0.197	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.146	-0.10	20.55	21.50	1.245	0.182	22.1
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.048	0.04	20.55	21.50	1.245	0.060	22.1
Right side	20	QPSK 50_0	40620/2593	1:1.58	0.049	0.07	20.55	21.50	1.245	0.061	22.1
Bottom side	20	QPSK 50_0	40620/2593	1:1.58	0.227	-0.19	20.55	21.50	1.245	0.283	22.1
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.508	-0.04	19.92	20.80	1.225	0.622	22.1
Left cheek	20	QPSK 1_0	39750/2506	1:1.58	0.463	0.01	19.83	20.80	1.250	0.579	22.1
Left cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.472	0.08	19.85	20.80	1.245	0.587	22.1
Left cheek	20	QPSK 1_0	41055/2636.5	1:1.58	0.471	0.02	19.88	20.80	1.236	0.582	22.1
Left cheek	20	QPSK 1_0	41490/2680	1:1.58	0.435	0.09	19.85	20.80	1.245	0.541	22.1
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.049	0.19	19.92	20.80	1.225	0.060	22.1
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.774	0.05	19.92	20.80	1.225	0.948	22.1
Right cheek-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.529	0.13	19.92	20.80	1.225	0.648	22.1
Right cheek	20	QPSK 1_0	39750/2506	1:1.58	0.751	0.15	19.83	20.80	1.250	0.939	22.1
Right cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.752	-0.14	19.85	20.80	1.245	0.936	22.1
Right cheek	20	QPSK 1_0	41055/2636.5	1:1.58	0.763	0.13	19.88	20.80	1.236	0.943	22.1
Right cheek	20	QPSK 1_0	41490/2680	1:1.58	0.757	0.07	19.85	20.80	1.245	0.942	22.1
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.047	-0.16	19.92	20.80	1.225	0.058	22.1
Right cheek-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.737	-0.17	17.81	18.80	1.256	0.926	22.1
		QPSK 1_99	37901/2585.1								
Right cheek-41C	20	QPSK 1_0	40620/2593	1:1.58	0.685	0.03	19.66	20.80	1.300	0.891	22.1
		QPSK 1_99	40422/2573.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.473	0.15	19.82	20.80	1.253	0.593	22.1
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.044	0.17	19.82	20.80	1.253	0.055	22.1
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.734	0.01	19.82	20.80	1.253	0.920	22.1
Right cheek	20	QPSK 50_0	39750/2506	1:1.58	0.725	-0.17	19.82	20.80	1.253	0.909	22.1
Right cheek	20	QPSK 50_0	40185/2549.5	1:1.58	0.727	-0.09	19.81	20.80	1.256	0.913	22.1
Right cheek	20	QPSK 50_0	41055/2636.5	1:1.58	0.737	-0.08	19.85	20.80	1.245	0.917	22.1
Right cheek	20	QPSK 50_0	41490/2680	1:1.58	0.720	-0.17	19.78	20.80	1.265	0.911	22.1
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.038	0.03	19.82	20.80	1.253	0.048	22.1
Head Test Data (100%RB) State5											
Left cheek	20	QPSK 100_0	40620/2593	1:1.58	0.458	0.02	19.85	20.80	1.245	0.570	22.1
Right cheek	20	QPSK 100_0	40620/2593	1:1.58	0.737	0.07	19.85	20.80	1.245	0.917	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.255	-0.08	21.94	22.80	1.219	0.311	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.311	0.15	21.94	22.80	1.219	0.379	22.1
Back side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.219	-0.13	21.94	22.80	1.219	0.267	22.1
Back side-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.289	-0.09	20.50	20.80	1.072	0.310	22.1
		QPSK 1_99	37901/2585.1								
Back side-41C	20	QPSK 1_0	40620/2593	1:1.58	0.294	-0.11	21.74	22.80	1.276	0.375	22.1

		QPSK 1_99	40422/2573.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.248	0.07	21.88	22.80	1.236	0.307	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.295	-0.07	21.88	22.80	1.236	0.365	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.255	-0.08	21.94	22.80	1.219	0.311	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.311	0.15	21.94	22.80	1.219	0.379	22.1
Right side	20	QPSK 1_0	40620/2593	1:1.58	0.406	-0.19	21.94	22.80	1.219	0.495	22.1
Right side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.279	0.05	21.94	22.80	1.219	0.340	22.1
Top side	20	QPSK 1_0	40620/2593	1:1.58	0.041	0.02	21.94	22.80	1.219	0.050	22.1
Right side-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.375	-0.01	20.50	20.80	1.072	0.402	22.1
		QPSK 1_99	37901/2585.1								
Right side-41C	20	QPSK 1_0	40620/2593	1:1.58	0.382	-0.12	21.74	22.80	1.276	0.488	22.1
		QPSK 1_99	40422/2573.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.248	0.07	21.88	22.80	1.236	0.307	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.295	-0.07	21.88	22.80	1.236	0.365	22.1
Right side	20	QPSK 50_0	40620/2593	1:1.58	0.387	0.07	21.88	22.80	1.236	0.478	22.1
Top side	20	QPSK 50_0	40620/2593	1:1.58	0.034	-0.11	21.88	22.80	1.236	0.042	22.1
Ant 4 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.067	0.06	18.41	19.30	1.227	0.082	22.1
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.057	-0.05	18.41	19.30	1.227	0.070	22.1
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.943	0.09	18.41	19.30	1.227	1.157	22.1
Right cheek-repeated	20	QPSK 1_0	40620/2593	1:1.58	0.937	0.04	18.41	19.30	1.227	1.150	22.1
Right cheek-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.699	0.16	18.41	19.30	1.227	0.858	22.1
Right cheek	20	QPSK 1_0	39750/2506	1:1.58	0.894	0.16	18.27	19.30	1.268	1.133	22.1
Right cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.914	0.16	18.34	19.30	1.247	1.140	22.1
Right cheek	20	QPSK 1_0	41055/2636.5	1:1.58	0.921	0.02	18.36	19.30	1.242	1.144	22.1
Right cheek	20	QPSK 1_0	41490/2680	1:1.58	0.918	-0.04	18.35	19.30	1.245	1.142	22.1
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.166	-0.19	18.41	19.30	1.227	0.204	22.1
Right cheek-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.862	0.09	16.26	17.30	1.271	1.095	22.1
		QPSK 1_99	37901/2585.1								
Right cheek-41C	20	QPSK 1_0	40620/2593	1:1.58	0.873	-0.05	18.28	19.30	1.265	1.104	22.1
		QPSK 1_99	40422/2573.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.058	0.03	18.36	19.30	1.242	0.072	22.1
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.051	-0.15	18.36	19.30	1.242	0.063	22.1
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.912	-0.13	18.36	19.30	1.242	1.132	22.1
Right cheek	20	QPSK 50_0	39750/2506	1:1.58	0.868	-0.16	18.23	19.30	1.279	1.111	22.1
Right cheek	20	QPSK 50_0	40185/2549.5	1:1.58	0.903	-0.01	18.35	19.30	1.245	1.124	22.1
Right cheek	20	QPSK 50_0	41055/2636.5	1:1.58	0.860	0.09	18.19	19.30	1.291	1.110	22.1
Right cheek	20	QPSK 50_0	41490/2680	1:1.58	0.885	-0.13	18.29	19.30	1.262	1.117	22.1
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.161	-0.05	18.36	19.30	1.242	0.200	22.1
Head Test Data (100%RB) State5											
Right cheek	20	QPSK 100_0	40620/2593	1:1.58	0.898	0.10	18.32	19.30	1.253	1.125	22.1
Head Evaluate Data (1RB) State15											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.067	0.06	18.41	17.30	0.774	0.052	22.1

Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.057	-0.05	18.41	17.30	0.774	0.044	22.1
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.943	0.09	18.41	17.30	0.774	0.730	22.1
Right cheek	20	QPSK 1_0	39750/2506	1:1.58	0.894	0.16	18.27	17.30	0.800	0.715	22.1
Right cheek	20	QPSK 1_0	40185/2549.5	1:1.58	0.914	0.16	18.34	17.30	0.787	0.719	22.1
Right cheek	20	QPSK 1_0	41055/2636.5	1:1.58	0.921	0.02	18.36	17.30	0.783	0.722	22.1
Right cheek	20	QPSK 1_0	41490/2680	1:1.58	0.918	-0.04	18.35	17.30	0.785	0.721	22.1
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.166	-0.19	18.41	17.30	0.774	0.129	22.1
Head Evaluate Data (50%RB) State15											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.058	0.03	18.36	17.30	0.783	0.045	22.1
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.051	-0.15	18.36	17.30	0.783	0.040	22.1
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.912	-0.13	18.36	17.30	0.783	0.714	22.1
Right cheek	20	QPSK 50_0	39750/2506	1:1.58	0.868	-0.16	18.23	17.30	0.807	0.701	22.1
Right cheek	20	QPSK 50_0	40185/2549.5	1:1.58	0.903	-0.01	18.35	17.30	0.785	0.709	22.1
Right cheek	20	QPSK 50_0	41055/2636.5	1:1.58	0.860	0.09	18.19	17.30	0.815	0.701	22.1
Right cheek	20	QPSK 50_0	41490/2680	1:1.58	0.885	-0.13	18.29	17.30	0.796	0.705	22.1
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.161	-0.05	18.36	17.30	0.783	0.126	22.1
Head Evaluate Data (100%RB) State15											
Right cheek	20	QPSK 100_0	40620/2593	1:1.58	0.898	0.10	18.32	17.30	0.791	0.710	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.238	0.18	20.44	21.30	1.219	0.290	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.297	0.01	20.44	21.30	1.219	0.362	22.1
Back side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.192	0.17	20.44	21.30	1.219	0.234	22.1
Back side-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.255	0.11	18.37	19.30	1.239	0.316	22.1
		QPSK 1_99	37901/2585.1								
Back side-41C	20	QPSK 1_0	40620/2593	1:1.58	0.269	0.03	20.32	21.30	1.253	0.337	22.1
		QPSK 1_99	40422/2573.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.218	0.09	20.37	21.30	1.239	0.270	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.256	-0.05	20.37	21.30	1.239	0.317	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.238	0.18	20.44	21.30	1.219	0.290	22.1
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.297	0.01	20.44	21.30	1.219	0.362	22.1
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.546	-0.01	20.44	21.30	1.219	0.666	22.1
Left side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.369	0.12	20.44	21.30	1.219	0.450	22.1
Left side	20	QPSK 1_0	39750/2506	1:1.58	0.522	-0.01	20.35	21.30	1.245	0.650	22.1
Left side	20	QPSK 1_0	40185/2549.5	1:1.58	0.516	0.02	20.37	21.30	1.239	0.639	22.1
Left side	20	QPSK 1_0	41055/2636.5	1:1.58	0.515	0.08	20.38	21.30	1.236	0.637	22.1
Left side	20	QPSK 1_0	41490/2680	1:1.58	0.497	0.12	20.36	21.30	1.242	0.617	22.1
Top side	20	QPSK 1_0	40620/2593	1:1.58	0.064	-0.18	20.44	21.30	1.219	0.078	22.1
Left side-38C	20	QPSK 1_0	38099/2604.9	1:1.58	0.497	0.11	18.37	19.30	1.239	0.616	22.1
		QPSK 1_99	37901/2585.1								
Left side-41C	20	QPSK 1_0	40620/2593	1:1.58	0.513	-0.19	20.32	21.30	1.253	0.643	22.1
		QPSK 1_99	40422/2573.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.218	0.09	20.37	21.30	1.239	0.270	22.1
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.256	-0.05	20.37	21.30	1.239	0.317	22.1
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.498	-0.05	20.37	21.30	1.239	0.617	22.1
Left side	20	QPSK 50_0	39750/2506	1:1.58	0.463	0.13	20.32	21.30	1.253	0.580	22.1
Left side	20	QPSK 50_0	40185/2549.5	1:1.58	0.428	0.07	20.27	21.30	1.268	0.543	22.1
Left side	20	QPSK 50_0	41055/2636.5	1:1.58	0.431	0.05	20.34	21.30	1.247	0.538	22.1
Left side	20	QPSK 50_0	41490/2680	1:1.58	0.407	0.07	20.32	21.30	1.253	0.510	22.1

Top side	20	QPSK 50_0	40620/2593	1:1.58	0.018	0.19	20.37	21.30	1.239	0.022	22.1
Hotspot Test data (Separate 10mm 100%RB) State3											
Left side	20	QPSK 100_0	40620/2593	1:1.58	0.462	0.08	20.36	21.30	1.242	0.574	22.1

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	40620/2593	0.943	0.937	1.006	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

10.3.14 SAR Result of LTE Band 66

LTE Band 66 SAR Test Record											
Ant 6 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.077	0.12	15.69	16.50	1.205	0.093	22.1
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.053	0.13	15.69	16.50	1.205	0.064	22.1
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.655	-0.10	15.69	16.50	1.205	0.789	22.1
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.564	0.06	15.69	16.50	1.205	0.680	22.1
Right cheek-66C	20	QPSK 1_0	132322/1745	1:1	0.614	0.07	15.57	16.50	1.239	0.761	22.1
		QPSK 1_99	132124/1725.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.628	0.06	15.69	16.50	1.205	0.757	22.1
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.045	0.02	15.69	16.50	1.205	0.054	22.1
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.647	0.19	15.69	16.50	1.205	0.780	22.1
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.533	-0.06	15.69	16.50	1.205	0.642	22.1
Head Evaluate Data (1RB) State15											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.077	0.12	15.69	14.50	0.760	0.059	22.1
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.053	0.13	15.69	14.50	0.760	0.040	22.1
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.655	-0.10	15.69	14.50	0.760	0.498	22.1
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.564	0.06	15.69	14.50	0.760	0.429	22.1
Head Evaluate Data (50%RB) State15											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.628	0.06	15.69	14.50	0.760	0.477	22.1
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.045	0.02	15.69	14.50	0.760	0.034	22.1
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.647	0.19	15.69	14.50	0.760	0.492	22.1
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.533	-0.06	15.69	14.50	0.760	0.405	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	132322/1745	1:1	0.163	0.06	17.21	18.00	1.199	0.196	22.1
Back side	20	QPSK 1_0	132322/1745	1:1	0.239	0.17	17.21	18.00	1.199	0.287	22.1
Back side-66C	20	QPSK 1_0	132322/1745	1:1	0.205	-0.01	17.01	18.00	1.256	0.257	22.1
		QPSK 1_99	132124/1725.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	132322/1745	1:1	0.146	0.05	17.09	18.00	1.233	0.180	22.1
Back side	20	QPSK 50_0	132322/1745	1:1	0.225	-0.03	17.09	18.00	1.233	0.277	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	132322/1745	1:1	0.163	0.06	17.21	18.00	1.199	0.196	22.1
Back side	20	QPSK 1_0	132322/1745	1:1	0.239	0.17	17.21	18.00	1.199	0.287	22.1
Left side	20	QPSK 1_0	132322/1745	1:1	0.077	-0.18	17.21	18.00	1.199	0.092	22.1
Top side	20	QPSK 1_0	132322/1745	1:1	0.275	0.09	17.21	18.00	1.199	0.330	22.1
Top side-66C	20	QPSK 1_0	132322/1745	1:1	0.254	0.03	17.01	18.00	1.256	0.319	22.1
		QPSK 1_99	132124/1725.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	132322/1745	1:1	0.146	0.05	17.09	18.00	1.233	0.180	22.1
Back side	20	QPSK 50_0	132322/1745	1:1	0.225	-0.03	17.09	18.00	1.233	0.277	22.1
Left side	20	QPSK 50_0	132322/1745	1:1	0.078	0.16	17.09	18.00	1.233	0.096	22.1
Top side	20	QPSK 50_0	132322/1745	1:1	0.263	-0.16	17.09	18.00	1.233	0.324	22.1
Ant 5 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.139	-0.15	24.62	25.50	1.225	0.170	22.1
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.023	-0.01	24.62	25.50	1.225	0.028	22.1
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.227	0.18	24.62	25.50	1.225	0.278	22.1
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.045	-0.15	24.62	25.50	1.225	0.055	22.1

Right cheek-66C	20	QPSK 1_0	132322/1745	1:1	0.206	0.04	24.45	25.50	1.274	0.262	22.1
		QPSK 1_99	132124/1725.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.129	-0.19	24.45	24.50	1.012	0.130	22.1
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.027	-0.17	24.45	24.50	1.012	0.027	22.1
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.212	0.07	24.45	24.50	1.012	0.214	22.1
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.055	-0.06	24.45	24.50	1.012	0.056	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	132322/1745	1:1	0.208	0.14	18.65	19.50	1.216	0.253	22.1
Back side	20	QPSK 1_0	132322/1745	1:1	0.232	-0.07	18.65	19.50	1.216	0.282	22.1
Back side-66C	20	QPSK 1_0	132322/1745	1:1	0.203	0.07	18.54	19.50	1.247	0.253	22.1
		QPSK 1_99	132124/1725.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	132322/1745	1:1	0.192	-0.07	18.57	19.50	1.239	0.238	22.1
Back side	20	QPSK 50_0	132322/1745	1:1	0.219	-0.01	18.57	19.50	1.239	0.271	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	132322/1745	1:1	0.208	0.14	18.65	19.50	1.216	0.253	22.1
Back side	20	QPSK 1_0	132322/1745	1:1	0.232	-0.07	18.65	19.50	1.216	0.282	22.1
Left side	20	QPSK 1_0	132322/1745	1:1	0.053	0.10	18.65	19.50	1.216	0.064	22.1
Right side	20	QPSK 1_0	132322/1745	1:1	0.048	-0.02	18.65	19.50	1.216	0.058	22.1
Bottom side	20	QPSK 1_0	132322/1745	1:1	0.323	-0.02	18.65	19.50	1.216	0.393	22.1
Bottom side-66C	20	QPSK 1_0	132322/1745	1:1	0.304	0.09	18.54	19.50	1.247	0.379	22.1
		QPSK 1_99	132124/1725.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	132322/1745	1:1	0.192	-0.07	18.57	19.50	1.239	0.238	22.1
Back side	20	QPSK 50_0	132322/1745	1:1	0.219	-0.01	18.57	19.50	1.239	0.271	22.1
Left side	20	QPSK 50_0	132322/1745	1:1	0.045	0.08	18.57	19.50	1.239	0.056	22.1
Right side	20	QPSK 50_0	132322/1745	1:1	0.043	-0.09	18.57	19.50	1.239	0.053	22.1
Bottom side	20	QPSK 50_0	132322/1745	1:1	0.315	0.12	18.57	19.50	1.239	0.390	22.1
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.498	0.03	18.39	19.30	1.233	0.614	22.1
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.122	0.04	18.39	19.30	1.233	0.150	22.1
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.172	0.07	18.39	19.30	1.233	0.212	22.1
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.045	-0.16	18.39	19.30	1.233	0.055	22.1
Right cheek-66C	20	QPSK 1_0	132322/1745	1:1	0.157	0.02	18.27	19.30	1.268	0.199	22.1
		QPSK 1_99	132124/1725.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.484	-0.11	18.22	19.30	1.282	0.621	22.1
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.116	0.13	18.22	19.30	1.282	0.149	22.1
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.157	-0.09	18.22	19.30	1.282	0.201	22.1
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.040	0.11	18.22	19.30	1.282	0.051	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	132322/1745	1:1	0.172	-0.05	20.40	21.30	1.230	0.212	22.1
Back side	20	QPSK 1_0	132322/1745	1:1	0.142	0.11	20.40	21.30	1.230	0.175	22.1
Front side-66C	20	QPSK 1_0	132322/1745	1:1	0.150	0.01	20.29	21.30	1.262	0.189	22.1
		QPSK 1_99	132124/1725.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	132322/1745	1:1	0.163	0.03	20.19	21.30	1.291	0.210	22.1
Back side	20	QPSK 50_0	132322/1745	1:1	0.130	0.03	20.19	21.30	1.291	0.168	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	132322/1745	1:1	0.172	-0.05	20.40	21.30	1.230	0.212	22.1
Back side	20	QPSK 1_0	132322/1745	1:1	0.142	0.11	20.40	21.30	1.230	0.175	22.1
Right side	20	QPSK 1_0	132322/1745	1:1	0.177	0.17	20.40	21.30	1.230	0.218	22.1
Top side	20	QPSK 1_0	132322/1745	1:1	0.003	-0.01	20.40	21.30	1.230	0.004	22.1

Right side-66C	20	QPSK 1_0	132322/1745	1:1	0.164	0.06	20.29	21.30	1.262	0.207	22.1
		QPSK 1_99	132124/1725.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	132322/1745	1:1	0.163	0.03	20.19	21.30	1.291	0.210	22.1
Back side	20	QPSK 50_0	132322/1745	1:1	0.130	0.03	20.19	21.30	1.291	0.168	22.1
Right side	20	QPSK 50_0	132322/1745	1:1	0.171	0.14	20.19	21.30	1.291	0.221	22.1
Top side	20	QPSK 50_0	132322/1745	1:1	0.001	-0.04	20.19	21.30	1.291	0.001	22.1
Ant 4 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.046	-0.17	16.97	17.80	1.211	0.056	22.1
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.013	-0.13	16.97	17.80	1.211	0.016	22.1
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.270	0.14	16.97	17.80	1.211	0.327	22.1
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.040	-0.18	16.97	17.80	1.211	0.048	22.1
Right cheek-66C	20	QPSK 1_0	132322/1745	1:1	0.255	0.12	16.83	17.80	1.250	0.319	22.1
		QPSK 1_99	132124/1725.2								
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.044	0.05	16.77	17.80	1.268	0.056	22.1
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.011	0.16	16.77	17.80	1.268	0.014	22.1
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.244	-0.01	16.77	17.80	1.268	0.309	22.1
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.033	-0.04	16.77	17.80	1.268	0.042	22.1
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_0	132322/1745	1:1	0.102	0.00	17.40	18.30	1.230	0.125	22.1
Back side	20	QPSK 1_0	132322/1745	1:1	0.125	-0.01	17.40	18.30	1.230	0.154	22.1
Back side-66C	20	QPSK 1_0	132322/1745	1:1	0.103	0.04	17.26	18.30	1.271	0.131	22.1
		QPSK 1_99	132124/1725.2								
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	132322/1745	1:1	0.091	0.19	17.05	18.30	1.334	0.121	22.1
Back side	20	QPSK 50_0	132322/1745	1:1	0.110	-0.15	17.05	18.30	1.334	0.147	22.1
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_0	132322/1745	1:1	0.102	0.00	17.40	18.30	1.230	0.125	22.1
Back side	20	QPSK 1_0	132322/1745	1:1	0.125	-0.01	17.40	18.30	1.230	0.154	22.1
Left side	20	QPSK 1_0	132322/1745	1:1	0.215	0.09	17.40	18.30	1.230	0.265	22.1
Top side	20	QPSK 1_0	132322/1745	1:1	0.035	-0.15	17.40	18.30	1.230	0.043	22.1
Left side-66C	20	QPSK 1_0	132322/1745	1:1	0.201	0.17	17.26	18.30	1.271	0.255	22.1
		QPSK 1_99	132124/1725.2								
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_0	132322/1745	1:1	0.091	0.19	17.05	18.30	1.334	0.121	22.1
Back side	20	QPSK 50_0	132322/1745	1:1	0.110	-0.15	17.05	18.30	1.334	0.147	22.1
Left side	20	QPSK 50_0	132322/1745	1:1	0.193	0.18	17.05	18.30	1.334	0.257	22.1
Top side	20	QPSK 50_0	132322/1745	1:1	0.026	0.18	17.05	18.30	1.334	0.035	22.1

10.3.15 SAR Result of NR Band n2

SA N2 SAR Test Record											
Ant5 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_1	376000/1880	100%	0.335	-0.05	23.91	24.50	1.146	0.384	22.7
Left tilted	20	QPSK 1_1	376000/1880	100%	0.206	-0.07	23.91	24.50	1.146	0.236	22.7
Right cheek	20	QPSK 1_1	376000/1880	100%	0.139	0.13	23.91	24.50	1.146	0.159	22.7
Right tilted	20	QPSK 1_1	376000/1880	100%	0.117	-0.12	23.91	24.50	1.146	0.134	22.7
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_28	372000/1860	100%	0.348	-0.16	23.75	24.50	1.189	0.414	22.7
Left tilted	20	QPSK 50_28	372000/1860	100%	0.212	0.17	23.75	24.50	1.189	0.252	22.7
Right cheek	20	QPSK 50_28	372000/1860	100%	0.148	-0.17	23.75	24.50	1.189	0.176	22.7
Right tilted	20	QPSK 50_28	372000/1860	100%	0.128	-0.13	23.75	24.50	1.189	0.152	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_1	376000/1880	100%	0.247	0.17	19.95	20.50	1.135	0.280	22.7
Back side	20	QPSK 1_1	376000/1880	100%	0.316	0.15	19.95	20.50	1.135	0.359	22.7
Body worn Test data (Separate 10mm 50%RB) State 3											
Front side	20	QPSK 50_28	376000/1880	100%	0.236	-0.07	19.69	20.50	1.205	0.284	22.7
Back side	20	QPSK 50_28	376000/1880	100%	0.284	-0.15	19.69	20.50	1.205	0.342	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_1	376000/1880	100%	0.247	0.17	19.95	20.50	1.135	0.280	22.7
Back side	20	QPSK 1_1	376000/1880	100%	0.316	0.15	19.95	20.50	1.135	0.359	22.7
Left side	20	QPSK 1_1	376000/1880	100%	0.103	-0.12	19.95	20.50	1.135	0.117	22.7
Right side	20	QPSK 1_1	376000/1880	100%	0.099	-0.11	19.95	20.50	1.135	0.112	22.7
Top side	20	QPSK 1_1	376000/1880	100%	0.037	0.13	19.95	20.50	1.135	0.042	22.7
Hotspot Test data (Separate 10mm 50%RB) State3 3											
Front side	20	QPSK 50_28	376000/1880	100%	0.236	-0.07	19.69	20.50	1.205	0.284	22.7
Back side	20	QPSK 50_28	376000/1880	100%	0.284	-0.15	19.69	20.50	1.205	0.342	22.7
Left side	20	QPSK 50_28	376000/1880	100%	0.097	-0.09	19.69	20.50	1.205	0.117	22.7
Right side	20	QPSK 50_28	376000/1880	100%	0.093	0.17	19.69	20.50	1.205	0.112	22.7
Top side	20	QPSK 50_28	376000/1880	100%	0.036	-0.05	19.69	20.50	1.205	0.043	22.7
Ant6 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	20	QPSK 1_1	376000/1880	100%	0.505	0.18	17.76	18.60	1.213	0.613	22.7
Left tilted	20	QPSK 1_1	376000/1880	100%	0.610	-0.12	17.76	18.60	1.213	0.740	22.7
Right cheek	20	QPSK 1_1	376000/1880	100%	0.790	-0.02	17.76	18.60	1.213	0.959	22.7
Right cheek	20	QPSK 1_1	372000/1860	100%	0.729	0.02	17.64	18.60	1.247	0.909	22.7
Right cheek	20	QPSK 1_1	380000/1900	100%	0.734	0.16	17.72	18.60	1.225	0.899	22.7
Right tilted	20	QPSK 1_1	376000/1880	100%	0.867	0.06	17.76	18.60	1.213	1.052	22.7
Right tilted	20	QPSK 1_1	372000/1860	100%	0.841	0.13	17.64	18.60	1.247	1.049	22.7
Right tilted	20	QPSK 1_1	380000/1900	100%	0.825	0.10	17.72	18.60	1.225	1.010	22.7
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_28	376000/1880	100%	0.528	-0.16	17.58	18.60	1.265	0.668	22.7
Left tilted	20	QPSK 50_28	376000/1880	100%	0.629	0.17	17.58	18.60	1.265	0.796	22.7

Right cheek	20	QPSK 50_28	376000/1880	100%	0.828	0.17	17.58	18.60	1.265	1.047	22.7
Right cheek	20	QPSK 50_28	372000/1860	100%	0.805	0.04	17.62	18.60	1.253	1.009	22.7
Right cheek	20	QPSK 50_28	380000/1900	100%	0.811	0.10	17.62	18.60	1.253	1.016	22.7
Right tilted	20	QPSK 50_28	376000/1880	100%	0.894	0.04	17.58	18.60	1.265	1.131	22.7
Right tilted-Repeat SAR	20	QPSK 50_28	376000/1880	100%	0.889	0.06	17.58	18.60	1.265	1.124	22.7
Right tilted	20	QPSK 50_28	372000/1860	100%	0.869	0.12	17.62	18.60	1.253	1.089	22.7
Right tilted	20	QPSK 50_28	380000/1900	100%	0.872	0.03	17.62	18.60	1.253	1.093	22.7
Head Test Data (100%RB) State5											
Right cheek	20	QPSK 100_0	376000/1880	100%	0.766	-0.18	16.64	17.60	1.247	0.955	22.7
Right tilted	20	QPSK 100_0	376000/1880	100%	0.839	0.03	16.64	17.60	1.247	1.047	22.7
Head Evaluate Data (1RB) State10											
Left cheek	20	QPSK 1_1	376000/1880	100%	0.505	0.18	17.76	17.60	0.964	0.487	22.7
Left tilted	20	QPSK 1_1	376000/1880	100%	0.610	-0.12	17.76	17.60	0.964	0.588	22.7
Right cheek	20	QPSK 1_1	376000/1880	100%	0.790	-0.02	17.76	17.60	0.964	0.761	22.7
Right cheek	20	QPSK 1_1	372000/1860	100%	0.729	0.02	17.64	17.60	0.991	0.722	22.7
Right cheek	20	QPSK 1_1	380000/1900	100%	0.734	0.16	17.72	17.60	0.973	0.714	22.7
Right tilted	20	QPSK 1_1	376000/1880	100%	0.867	0.06	17.76	17.60	0.964	0.836	22.7
Right tilted	20	QPSK 1_1	372000/1860	100%	0.841	0.13	17.64	17.60	0.991	0.833	22.7
Right tilted	20	QPSK 1_1	380000/1900	100%	0.825	0.10	17.72	17.60	0.973	0.803	22.7
Head Evaluate Data (50%RB) State10											
Left cheek	20	QPSK 50_28	376000/1880	100%	0.528	-0.16	17.58	17.60	1.005	0.530	22.7
Left tilted	20	QPSK 50_28	376000/1880	100%	0.629	0.17	17.58	17.60	1.005	0.632	22.7
Right cheek	20	QPSK 50_28	376000/1880	100%	0.828	0.17	17.58	17.60	1.005	0.832	22.7
Right cheek	20	QPSK 50_28	372000/1860	100%	0.805	0.04	17.62	17.60	0.995	0.801	22.7
Right cheek	20	QPSK 50_28	380000/1900	100%	0.811	0.10	17.62	17.60	0.995	0.807	22.7
Right tilted	20	QPSK 50_28	376000/1880	100%	0.894	0.04	17.58	17.60	1.005	0.898	22.7
Right tilted	20	QPSK 50_28	372000/1860	100%	0.869	0.12	17.62	17.60	0.995	0.865	22.7
Right tilted	20	QPSK 50_28	380000/1900	100%	0.872	0.03	17.62	17.60	0.995	0.868	22.7
Head Evaluate Data (100%RB) State10											
Right cheek	20	QPSK 100_0	376000/1880	100%	0.766	-0.18	16.64	16.60	0.991	0.759	22.7
Right tilted	20	QPSK 100_0	376000/1880	100%	0.839	0.03	16.64	16.60	0.991	0.831	22.7
Head Evaluate Data (1RB) State15											
Left cheek	20	QPSK 1_1	376000/1880	100%	0.505	0.18	17.76	16.60	0.766	0.387	22.7
Left tilted	20	QPSK 1_1	376000/1880	100%	0.610	-0.12	17.76	16.60	0.766	0.467	22.7
Right cheek	20	QPSK 1_1	376000/1880	100%	0.790	-0.02	17.76	16.60	0.766	0.605	22.7
Right cheek	20	QPSK 1_1	376000/1880	100%	0.729	0.02	17.64	16.60	0.787	0.574	22.7
Right cheek	20	QPSK 1_1	376000/1880	100%	0.734	0.16	17.72	16.60	0.773	0.567	22.7
Right tilted	20	QPSK 1_1	376000/1880	100%	0.867	0.06	17.76	16.60	0.766	0.664	22.7
Right tilted	20	QPSK 1_1	376000/1880	100%	0.841	0.13	17.64	16.60	0.787	0.662	22.7
Right tilted	20	QPSK 1_1	376000/1880	100%	0.825	0.10	17.72	16.60	0.773	0.637	22.7
Head Evaluate Data (50%RB) State15											
Left cheek	20	QPSK 50_28	376000/1880	100%	0.528	-0.16	17.58	16.60	0.798	0.421	22.7
Left tilted	20	QPSK 50_28	376000/1880	100%	0.629	0.17	17.58	16.60	0.798	0.502	22.7
Right cheek	20	QPSK 50_28	376000/1880	100%	0.828	0.17	17.58	16.60	0.798	0.661	22.7
Right cheek	20	QPSK 50_28	376000/1880	100%	0.805	0.04	17.62	16.60	0.791	0.636	22.7
Right cheek	20	QPSK 50_28	376000/1880	100%	0.811	0.10	17.62	16.60	0.791	0.641	22.7
Right tilted	20	QPSK 50_28	376000/1880	100%	0.894	0.04	17.58	16.60	0.798	0.713	22.7
Right tilted	20	QPSK 50_28	376000/1880	100%	0.869	0.12	17.62	16.60	0.791	0.687	22.7
Right tilted	20	QPSK 50_28	376000/1880	100%	0.872	0.03	17.62	16.60	0.791	0.689	22.7
Head Evaluate Data (100%RB) State15											
Right cheek	20	QPSK 100_0	376000/1880	100%	0.766	-0.18	16.64	15.60	0.787	0.603	22.7

Right tilted	20	QPSK 100_0	376000/1880	100%	0.839	0.03	16.64	15.60	0.787	0.660	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_1	376000/1880	100%	0.264	-0.09	17.76	18.60	1.213	0.320	22.7
Back side	20	QPSK 1_1	376000/1880	100%	0.424	0.07	17.76	18.60	1.213	0.514	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_28	376000/1880	100%	0.243	0.19	17.58	18.60	1.265	0.307	22.7
Back side	20	QPSK 50_28	376000/1880	100%	0.402	0.13	17.58	18.60	1.265	0.508	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_1	376000/1880	100%	0.264	-0.09	17.76	18.60	1.213	0.320	22.7
Back side	20	QPSK 1_1	376000/1880	100%	0.424	0.07	17.76	18.60	1.213	0.514	22.7
Left side	20	QPSK 1_1	376000/1880	100%	0.166	0.12	17.76	18.60	1.213	0.201	22.7
Right side	20	QPSK 1_1	376000/1880	100%	0.000	0.01	17.76	18.60	1.213	0.000	22.7
Top side	20	QPSK 1_1	376000/1880	100%	0.570	0.10	17.76	18.60	1.213	0.692	22.7
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_28	376000/1880	100%	0.243	0.19	17.58	18.60	1.265	0.307	22.7
Back side	20	QPSK 50_28	376000/1880	100%	0.402	0.13	17.58	18.60	1.265	0.508	22.7
Left side	20	QPSK 50_28	376000/1880	100%	0.157	0.13	17.58	18.60	1.265	0.199	22.7
Right side	20	QPSK 50_28	376000/1880	100%	0.000	-0.08	17.58	18.60	1.265	0.000	22.7
Top side	20	QPSK 50_28	376000/1880	100%	0.543	-0.17	17.58	18.60	1.265	0.687	22.7

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right tilted	376000/1880	0.894	0.889	1.006	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

10.3.16 SAR Result of NR Band n7

SA N7 SAR Test Record											
Ant4 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.223	-0.03	17.17	18.00	1.211	0.270	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.061	-0.12	17.17	18.00	1.211	0.074	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.846	0.10	17.17	18.00	1.211	1.024	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.139	-0.16	17.17	18.00	1.211	0.168	22.7
Head Test Data (50%RB) State5											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.238	-0.18	17.07	18.00	1.239	0.295	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.069	0.05	17.07	18.00	1.239	0.085	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.871	-0.04	17.07	18.00	1.239	1.079	22.7
Right cheek-Repeat SAR	50	QPSK 135_67	507000/2535	100%	0.869	0.01	17.07	18.00	1.239	1.077	22.7
Right tilted	50	QPSK 135_67	507000/2535	100%	0.148	-0.11	17.07	18.00	1.239	0.183	22.7
Head Test Data (100%RB) State5											
Right cheek	50	QPSK 270_0	507000/2535	100%	0.805	0.16	16.04	17.00	1.247	1.004	22.7
Head Evaluate Data (1RB) State10											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.223	-0.03	17.17	17.00	0.962	0.214	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.061	-0.12	17.17	17.00	0.962	0.059	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.846	0.10	17.17	17.00	0.962	0.814	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.139	-0.16	17.17	17.00	0.962	0.134	22.7
Head Evaluate Data (50%RB) State10											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.238	-0.18	17.07	17.00	0.984	0.234	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.069	0.05	17.07	17.00	0.984	0.068	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.871	-0.04	17.07	17.00	0.984	0.857	22.7
Right tilted	50	QPSK 135_67	507000/2535	100%	0.148	-0.11	17.07	17.00	0.984	0.146	22.7
Head Evaluate Data (100%RB) State10											
Right cheek	50	QPSK 270_0	507000/2535	100%	0.805	0.16	16.04	16.00	0.991	0.798	22.7
Head Evaluate Data (1RB) State15											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.223	-0.03	17.17	16.00	0.764	0.170	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.061	-0.12	17.17	16.00	0.764	0.047	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.846	0.10	17.17	16.00	0.764	0.646	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.139	-0.16	17.17	16.00	0.764	0.106	22.7
Head Evaluate Data (50%RB) State15											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.238	-0.18	17.07	16.00	0.782	0.186	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.069	0.05	17.07	16.00	0.782	0.054	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.871	-0.04	17.07	16.00	0.782	0.681	22.7
Right tilted	50	QPSK 135_67	507000/2535	100%	0.148	-0.11	17.07	16.00	0.782	0.116	22.7
Head Evaluate Data (100%RB) State15											
Right cheek	50	QPSK 270_0	507000/2535	100%	0.805	0.16	16.04	15.00	0.787	0.634	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	50	QPSK 1_1	507000/2535	100%	0.118	-0.13	16.72	17.50	1.197	0.141	22.7
Back side	50	QPSK 1_1	507000/2535	100%	0.141	-0.12	16.72	17.50	1.197	0.169	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	50	QPSK 135_67	507000/2535	100%	0.104	0.19	16.57	17.50	1.239	0.129	22.7
Back side	50	QPSK 135_67	507000/2535	100%	0.133	0.19	16.57	17.50	1.239	0.165	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	50	QPSK 1_1	507000/2535	100%	0.118	-0.13	16.72	17.50	1.197	0.141	22.7

Back side	50	QPSK 1_1	507000/2535	100%	0.141	-0.12	16.72	17.50	1.197	0.169	22.7
Left side	50	QPSK 1_1	507000/2535	100%	0.305	0.03	16.72	17.50	1.197	0.365	22.7
Top side	50	QPSK 1_1	507000/2535	100%	0.036	0.14	16.72	17.50	1.197	0.043	22.7
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	50	QPSK 135_67	507000/2535	100%	0.104	0.19	16.57	17.50	1.239	0.129	22.7
Back side	50	QPSK 135_67	507000/2535	100%	0.133	0.19	16.57	17.50	1.239	0.165	22.7
Left side	50	QPSK 135_67	507000/2535	100%	0.289	-0.06	16.57	17.50	1.239	0.358	22.7
Top side	50	QPSK 135_67	507000/2535	100%	0.030	-0.16	16.57	17.50	1.239	0.037	22.7
Ant5 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.462	-0.18	23.16	24.20	1.271	0.587	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.118	0.15	23.16	24.20	1.271	0.150	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.235	-0.14	23.16	24.20	1.271	0.299	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.106	-0.09	23.16	24.20	1.271	0.135	22.7
Head Test Data (50%RB) State5											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.483	-0.05	23.02	24.20	1.312	0.634	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.125	-0.16	23.02	24.20	1.312	0.164	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.254	-0.08	23.02	24.20	1.312	0.333	22.7
Right tilted	50	QPSK 135_67	507000/2535	100%	0.121	0.01	23.02	24.20	1.312	0.159	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	50	QPSK 1_1	507000/2535	100%	0.108	-0.02	17.64	18.70	1.276	0.138	22.7
Back side	50	QPSK 1_1	507000/2535	100%	0.108	-0.03	17.64	18.70	1.276	0.138	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	50	QPSK 135_67	507000/2535	100%	0.103	0.15	17.56	18.70	1.300	0.134	22.7
Back side	50	QPSK 135_67	507000/2535	100%	0.096	0.16	17.56	18.70	1.300	0.125	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	50	QPSK 1_1	507000/2535	100%	0.108	-0.02	17.64	18.70	1.276	0.138	22.7
Back side	50	QPSK 1_1	507000/2535	100%	0.108	-0.03	17.64	18.70	1.276	0.138	22.7
Left side	50	QPSK 1_1	507000/2535	100%	0.064	0.00	17.64	18.70	1.276	0.082	22.7
Right side	50	QPSK 1_1	507000/2535	100%	0.044	-0.17	17.64	18.70	1.276	0.056	22.7
Bottom side	50	QPSK 1_1	507000/2535	100%	0.158	-0.10	17.64	18.70	1.276	0.202	22.7
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	50	QPSK 135_67	507000/2535	100%	0.103	0.15	17.56	18.70	1.300	0.134	22.7
Back side	50	QPSK 135_67	507000/2535	100%	0.096	0.16	17.56	18.70	1.300	0.125	22.7
Left side	50	QPSK 135_67	507000/2535	100%	0.057	-0.03	17.56	18.70	1.300	0.074	22.7
Right side	50	QPSK 135_67	507000/2535	100%	0.046	0.15	17.56	18.70	1.300	0.060	22.7
Bottom side	50	QPSK 135_67	507000/2535	100%	0.153	-0.08	17.56	18.70	1.300	0.199	22.7
Ant6 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.376	0.07	15.76	17.20	1.393	0.524	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.516	-0.04	15.76	17.20	1.393	0.719	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.452	-0.18	15.76	17.20	1.393	0.630	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.528	-0.04	15.76	17.20	1.393	0.736	22.7
Head Test Data (50%RB) State5											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.385	0.05	15.65	17.20	1.429	0.550	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.523	-0.11	15.65	17.20	1.429	0.747	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.461	-0.19	15.65	17.20	1.429	0.659	22.7

Right tilted	50	QPSK 135_67	507000/2535	100%	0.536	0.00	15.65	17.20	1.429	0.766	22.7
Head Evaluate Data (1RB) State15											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.376	0.07	15.76	15.20	0.879	0.331	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.516	-0.04	15.76	15.20	0.879	0.454	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.452	-0.18	15.76	15.20	0.879	0.397	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.528	-0.04	15.76	15.20	0.879	0.464	22.7
Head Evaluate Data (50%RB) State15											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.385	0.05	15.65	15.20	0.902	0.347	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.523	-0.11	15.65	15.20	0.902	0.472	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.461	-0.19	15.65	15.20	0.902	0.416	22.7
Right tilted	50	QPSK 135_67	507000/2535	100%	0.536	0.00	15.65	15.20	0.902	0.483	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	50	QPSK 1_1	507000/2535	100%	0.230	0.05	18.74	20.20	1.400	0.322	22.7
Back side	50	QPSK 1_1	507000/2535	100%	0.345	-0.01	18.74	20.20	1.400	0.483	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	50	QPSK 135_67	507000/2535	100%	0.207	0.02	18.67	20.20	1.422	0.294	22.7
Back side	50	QPSK 135_67	507000/2535	100%	0.319	0.10	18.67	20.20	1.422	0.454	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	50	QPSK 1_1	507000/2535	100%	0.230	0.05	18.74	20.20	1.400	0.322	22.7
Back side	50	QPSK 1_1	507000/2535	100%	0.345	-0.01	18.74	20.20	1.400	0.483	22.7
Left side	50	QPSK 1_1	507000/2535	100%	0.072	-0.03	18.74	20.20	1.400	0.101	22.7
Top side	50	QPSK 1_1	507000/2535	100%	0.643	0.02	18.74	20.20	1.400	0.900	22.7
Hotspot Test data (Separate 10mm 50%RB) State 3											
Front side	50	QPSK 135_67	507000/2535	100%	0.207	0.02	18.67	20.20	1.422	0.294	22.7
Back side	50	QPSK 135_67	507000/2535	100%	0.319	0.10	18.67	20.20	1.422	0.454	22.7
Left side	50	QPSK 135_67	507000/2535	100%	0.065	0.05	18.67	20.20	1.422	0.092	22.7
Top side	50	QPSK 135_67	507000/2535	100%	0.618	0.15	18.67	20.20	1.422	0.879	22.7
Hotspot Test data (Separate 10mm 100%RB) State 3											
Top side	50	QPSK 270_0	507000/2535	100%	0.597	0.00	17.61	19.20	1.442	0.861	22.7
Ant7 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.634	-0.11	16.75	18.10	1.365	0.865	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.115	0.04	16.75	18.10	1.365	0.157	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.726	0.01	16.75	18.10	1.365	0.991	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.059	0.17	16.75	18.10	1.365	0.081	22.7
Head Test Data (50%RB) State5											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.699	-0.13	16.59	18.10	1.416	0.990	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.121	-0.01	16.59	18.10	1.416	0.171	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.752	0.13	16.59	18.10	1.416	1.065	22.7
Right tilted	50	QPSK 135_67	507000/2535	100%	0.070	0.07	16.59	18.10	1.416	0.099	22.7
Head Test Data (100%RB) State5											
Left cheek	50	QPSK 270_0	507000/2535	100%	0.611	-0.11	15.68	17.10	1.387	0.847	22.7
Right cheek	50	QPSK 270_0	507000/2535	100%	0.708	0.11	15.68	17.10	1.387	0.982	22.7
Head Evaluate Data (1RB) State10											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.634	-0.11	16.75	17.60	1.216	0.771	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.115	0.04	16.75	17.60	1.216	0.140	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.726	0.01	16.75	17.60	1.216	0.883	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.059	0.17	16.75	17.60	1.216	0.072	22.7
Head Evaluate Data (50%RB) State10											

Left cheek	50	QPSK 135_67	507000/2535	100%	0.699	-0.13	16.59	17.60	1.262	0.882	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.121	-0.01	16.59	17.60	1.262	0.153	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.752	0.13	16.59	17.60	1.262	0.949	22.7
Right tilted	50	QPSK 135_67	507000/2535	100%	0.070	0.07	16.59	17.60	1.262	0.088	22.7
Head Evaluate Data (100%RB) State10											
Left cheek	50	QPSK 270_0	507000/2535	100%	0.611	-0.11	15.68	16.60	1.236	0.755	22.7
Right cheek	50	QPSK 270_0	507000/2535	100%	0.708	0.11	15.68	16.60	1.236	0.875	22.7
Head Evaluate Data (1RB) State15											
Left cheek	50	QPSK 1_1	507000/2535	100%	0.634	-0.11	16.75	16.60	0.966	0.612	22.7
Left tilted	50	QPSK 1_1	507000/2535	100%	0.115	0.04	16.75	16.60	0.966	0.111	22.7
Right cheek	50	QPSK 1_1	507000/2535	100%	0.726	0.01	16.75	16.60	0.966	0.701	22.7
Right tilted	50	QPSK 1_1	507000/2535	100%	0.059	0.17	16.75	16.60	0.966	0.057	22.7
Head Evaluate Data (50%RB) State15											
Left cheek	50	QPSK 135_67	507000/2535	100%	0.699	-0.13	16.59	16.60	1.002	0.701	22.7
Left tilted	50	QPSK 135_67	507000/2535	100%	0.121	-0.01	16.59	16.60	1.002	0.121	22.7
Right cheek	50	QPSK 135_67	507000/2535	100%	0.752	0.13	16.59	16.60	1.002	0.754	22.7
Right tilted	50	QPSK 135_67	507000/2535	100%	0.070	0.07	16.59	16.60	1.002	0.070	22.7
Head Evaluate Data (100%RB) State15											
Left cheek	50	QPSK 270_0	507000/2535	100%	0.611	-0.11	15.68	15.60	0.982	0.600	22.7
Right cheek	50	QPSK 270_0	507000/2535	100%	0.708	0.11	15.68	15.60	0.982	0.695	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	50	QPSK 1_1	507000/2535	100%	0.174	0.13	16.28	17.60	1.355	0.236	22.7
Back side	50	QPSK 1_1	507000/2535	100%	0.221	0.19	16.28	17.60	1.355	0.299	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	50	QPSK 135_67	507000/2535	100%	0.166	0.15	16.15	17.60	1.396	0.232	22.7
Back side	50	QPSK 135_67	507000/2535	100%	0.217	-0.07	16.15	17.60	1.396	0.303	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	50	QPSK 1_1	507000/2535	100%	0.174	0.13	16.28	17.60	1.355	0.236	22.7
Back side	50	QPSK 1_1	507000/2535	100%	0.221	0.19	16.28	17.60	1.355	0.299	22.7
Right side	50	QPSK 1_1	507000/2535	100%	0.376	0.17	16.28	17.60	1.355	0.510	22.7
Top side	50	QPSK 1_1	507000/2535	100%	0.089	-0.10	16.28	17.60	1.355	0.121	22.7
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	50	QPSK 135_67	507000/2535	100%	0.166	0.15	16.15	17.60	1.396	0.232	22.7
Back side	50	QPSK 135_67	507000/2535	100%	0.217	-0.07	16.15	17.60	1.396	0.303	22.7
Right side	50	QPSK 135_67	507000/2535	100%	0.356	0.00	16.15	17.60	1.396	0.497	22.7
Top side	50	QPSK 135_67	507000/2535	100%	0.074	-0.10	16.15	17.60	1.396	0.103	22.7

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	507000/2535	0.871	0.869	1.002	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was preformed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was preformed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

10.3.17 SAR Result of NR Band n12

SA N12 SAR Test Record											
Ant0 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	15	QPSK 1_1	141500/707.5	100%	0.819	-0.14	24.26	24.70	1.107	0.906	22.4
Left tilted	15	QPSK 1_1	141500/707.5	100%	0.076	-0.09	24.26	24.70	1.107	0.084	22.4
Right cheek	15	QPSK 1_1	141500/707.5	100%	0.505	0.04	24.26	24.70	1.107	0.559	22.4
Right tilted	15	QPSK 1_1	141500/707.5	100%	0.079	-0.11	24.26	24.70	1.107	0.087	22.4
Head Test Data (50%RB) State5											
Left cheek	15	QPSK 36_22	141500/707.5	100%	0.850	-0.07	24.01	24.70	1.172	0.996	22.4
Left cheek-Repeat SAR	15	QPSK 36_22	141500/707.5	100%	0.836	0.12	24.01	24.70	1.172	0.980	22.4
Left tilted	15	QPSK 36_22	141500/707.5	100%	0.084	0.01	24.01	24.70	1.172	0.098	22.4
Right cheek	15	QPSK 36_22	141500/707.5	100%	0.551	-0.10	24.01	24.70	1.172	0.646	22.4
Right tilted	15	QPSK 36_22	141500/707.5	100%	0.090	-0.10	24.01	24.70	1.172	0.105	22.4
Head Test Data (100%RB) State5											
Left cheek	15	QPSK 75_0	141500/707.5	100%	0.802	0.02	23.08	23.70	1.153	0.925	22.4
Head Evaluate Data (1RB) State10											
Left cheek	15	QPSK 1_1	141500/707.5	100%	0.819	-0.14	24.26	24.20	0.986	0.808	22.4
Left tilted	15	QPSK 1_1	141500/707.5	100%	0.076	-0.09	24.26	24.20	0.986	0.075	22.4
Right cheek	15	QPSK 1_1	141500/707.5	100%	0.505	0.04	24.26	24.20	0.986	0.498	22.4
Right tilted	15	QPSK 1_1	141500/707.5	100%	0.079	-0.11	24.26	24.20	0.986	0.078	22.4
Head Evaluate Data (50%RB) State10											
Left cheek	15	QPSK 36_22	141500/707.5	100%	0.850	-0.07	24.01	24.20	1.045	0.888	22.4
Left tilted	15	QPSK 36_22	141500/707.5	100%	0.084	0.01	24.01	24.20	1.045	0.088	22.4
Right cheek	15	QPSK 36_22	141500/707.5	100%	0.551	-0.10	24.01	24.20	1.045	0.576	22.4
Right tilted	15	QPSK 36_22	141500/707.5	100%	0.090	-0.10	24.01	24.20	1.045	0.094	22.4
Head Evaluate Data (100%RB) State10											
Left cheek	15	QPSK 75_0	141500/707.5	100%	0.802	0.02	23.08	23.20	1.028	0.824	22.4
Head Evaluate Data (1RB) State15											
Left cheek	15	QPSK 1_1	141500/707.5	100%	0.819	-0.14	24.26	23.20	0.783	0.642	22.4
Left tilted	15	QPSK 1_1	141500/707.5	100%	0.076	-0.09	24.26	23.20	0.783	0.060	22.4
Right cheek	15	QPSK 1_1	141500/707.5	100%	0.505	0.04	24.26	23.20	0.783	0.396	22.4
Right tilted	15	QPSK 1_1	141500/707.5	100%	0.079	-0.11	24.26	23.20	0.783	0.062	22.4
Head Evaluate Data (50%RB) State15											
Left cheek	15	QPSK 36_22	141500/707.5	100%	0.850	-0.07	24.01	23.20	0.830	0.705	22.4
Left tilted	15	QPSK 36_22	141500/707.5	100%	0.084	0.01	24.01	23.20	0.830	0.070	22.4
Right cheek	15	QPSK 36_22	141500/707.5	100%	0.551	-0.10	24.01	23.20	0.830	0.457	22.4
Right tilted	15	QPSK 36_22	141500/707.5	100%	0.090	-0.10	24.01	23.20	0.830	0.075	22.4
Head Evaluate Data (100%RB) State15											
Left cheek	15	QPSK 75_0	141500/707.5	100%	0.802	0.02	23.08	22.20	0.817	0.655	22.4
Body worn Test data (Separate 10mm 1RB) State3											
Front side	15	QPSK 1_1	141500/707.5	100%	0.178	-0.14	20.94	21.70	1.191	0.212	22.4
Back side	15	QPSK 1_1	141500/707.5	100%	0.198	0.15	20.94	21.70	1.191	0.236	22.4
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	15	QPSK 36_22	141500/707.5	100%	0.167	-0.08	20.93	21.70	1.194	0.199	22.4
Back side	15	QPSK 36_22	141500/707.5	100%	0.191	-0.05	20.93	21.70	1.194	0.228	22.4
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	15	QPSK 1_1	141500/707.5	100%	0.178	-0.14	20.94	21.70	1.191	0.212	22.4
Back side	15	QPSK 1_1	141500/707.5	100%	0.198	0.15	20.94	21.70	1.191	0.236	22.4

Left side	15	QPSK 1_1	141500/707.5	100%	0.380	0.10	20.94	21.70	1.191	0.453	22.4
Top side	15	QPSK 1_1	141500/707.5	100%	0.000	-0.02	20.94	21.70	1.191	0.000	22.4
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	15	QPSK 36_22	141500/707.5	100%	0.167	-0.08	20.93	21.70	1.194	0.199	22.4
Back side	15	QPSK 36_22	141500/707.5	100%	0.191	-0.05	20.93	21.70	1.194	0.228	22.4
Left side	15	QPSK 36_22	141500/707.5	100%	0.369	-0.13	20.93	21.70	1.194	0.441	22.4
Top side	15	QPSK 36_22	141500/707.5	100%	0.000	0.16	20.93	21.70	1.194	0.000	22.4
Ant1 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) State5											
Left cheek	15	QPSK 1_1	141500/707.5	100%	0.168	0.15	24.68	25.40	1.180	0.198	22.4
Left tilted	15	QPSK 1_1	141500/707.5	100%	0.042	-0.17	24.68	25.40	1.180	0.050	22.4
Right cheek	15	QPSK 1_1	141500/707.5	100%	0.174	0.19	24.68	25.40	1.180	0.205	22.4
Right tilted	15	QPSK 1_1	141500/707.5	100%	0.052	-0.19	24.68	25.40	1.180	0.061	22.4
Head Test Data (50%RB) State5											
Left cheek	15	QPSK 36_22	141500/707.5	100%	0.185	-0.02	24.52	25.40	1.225	0.227	22.4
Left tilted	15	QPSK 36_22	141500/707.5	100%	0.051	0.13	24.52	25.40	1.225	0.062	22.4
Right cheek	15	QPSK 36_22	141500/707.5	100%	0.183	-0.15	24.52	25.40	1.225	0.224	22.4
Right tilted	15	QPSK 36_22	141500/707.5	100%	0.058	0.19	24.52	25.40	1.225	0.071	22.4
Body worn Test data (Separate 10mm 1RB) State3											
Front side	15	QPSK 1_1	141500/707.5	100%	0.250	0.03	24.19	24.90	1.178	0.294	22.4
Back side	15	QPSK 1_1	141500/707.5	100%	0.261	-0.07	24.19	24.90	1.178	0.307	22.4
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	15	QPSK 36_22	141500/707.5	100%	0.247	0.14	24.06	24.90	1.213	0.300	22.4
Back side	15	QPSK 36_22	141500/707.5	100%	0.262	0.03	24.06	24.90	1.213	0.318	22.4
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	15	QPSK 1_1	141500/707.5	100%	0.250	0.03	24.19	24.90	1.178	0.294	22.4
Back side	15	QPSK 1_1	141500/707.5	100%	0.261	-0.07	24.19	24.90	1.178	0.307	22.4
Left side	15	QPSK 1_1	141500/707.5	100%	0.072	-0.08	24.19	24.90	1.178	0.085	22.4
Right side	15	QPSK 1_1	141500/707.5	100%	0.370	-0.19	24.19	24.90	1.178	0.436	22.4
Bottom side	15	QPSK 1_1	141500/707.5	100%	0.107	0.13	24.19	24.90	1.178	0.126	22.4
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	15	QPSK 36_22	141500/707.5	100%	0.247	0.14	24.06	24.90	1.213	0.300	22.4
Back side	15	QPSK 36_22	141500/707.5	100%	0.262	0.03	24.06	24.90	1.213	0.318	22.4
Left side	15	QPSK 36_22	141500/707.5	100%	0.066	0.10	24.06	24.90	1.213	0.080	22.4
Right side	15	QPSK 36_22	141500/707.5	100%	0.362	0.05	24.06	24.90	1.213	0.439	22.4
Bottom side	15	QPSK 36_22	141500/707.5	100%	0.100	0.18	24.06	24.90	1.213	0.121	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left cheek	141500/707.5	0.850	0.836	1.017	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						