

10.3.18 SAR Result of NR Band n26

SA N26 SAR Test Record											
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	20	QPSK 1_1	166300/831.5	100%	0.718	0.02	21.81	23.10	1.346	0.966	22.5
Left tilted	20	QPSK 1_1	166300/831.5	100%	0.074	0.17	21.81	23.10	1.346	0.100	22.5
Right cheek	20	QPSK 1_1	166300/831.5	100%	0.369	0.17	21.81	23.10	1.346	0.497	22.5
Right tilted	20	QPSK 1_1	166300/831.5	100%	0.069	-0.11	21.81	23.10	1.346	0.093	22.5
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_28	166300/831.5	100%	0.744	0.01	21.73	23.10	1.371	1.020	22.5
Left tilted	20	QPSK 50_28	166300/831.5	100%	0.079	-0.14	21.73	23.10	1.371	0.108	22.5
Right cheek	20	QPSK 50_28	166300/831.5	100%	0.384	0.06	21.73	23.10	1.371	0.526	22.5
Right tilted	20	QPSK 50_28	166300/831.5	100%	0.077	-0.18	21.73	23.10	1.371	0.106	22.5
Head Test Data (100%RB) State5											
Left cheek	20	QPSK 100_0	166300/831.5	100%	0.689	0.06	20.67	22.10	1.390	0.958	22.5
Head Evaluate Data (1RB) State10											
Left cheek	20	QPSK 1_1	166300/831.5	100%	0.718	0.02	21.81	22.10	1.069	0.768	22.5
Left tilted	20	QPSK 1_1	166300/831.5	100%	0.074	0.17	21.81	22.10	1.069	0.079	22.5
Right cheek	20	QPSK 1_1	166300/831.5	100%	0.369	0.17	21.81	22.10	1.069	0.394	22.5
Right tilted	20	QPSK 1_1	166300/831.5	100%	0.069	-0.11	21.81	22.10	1.069	0.074	22.5
Head Evaluate Data (50%RB) State10											
Left cheek	20	QPSK 50_28	166300/831.5	100%	0.744	0.01	21.73	22.10	1.089	0.810	22.5
Left tilted	20	QPSK 50_28	166300/831.5	100%	0.079	-0.14	21.73	22.10	1.089	0.086	22.5
Right cheek	20	QPSK 50_28	166300/831.5	100%	0.384	0.06	21.73	22.10	1.089	0.418	22.5
Right tilted	20	QPSK 50_28	166300/831.5	100%	0.077	-0.18	21.73	22.10	1.089	0.084	22.5
Head Evaluate Data (100%RB) State10											
Left cheek	20	QPSK 100_0	166300/831.5	100%	0.689	0.06	20.67	21.10	1.104	0.761	22.5
Head Evaluate Data (1RB) State15											
Left cheek	20	QPSK 1_1	166300/831.5	100%	0.718	0.02	21.81	21.10	0.849	0.610	22.5
Left tilted	20	QPSK 1_1	166300/831.5	100%	0.074	0.17	21.81	21.10	0.849	0.063	22.5
Right cheek	20	QPSK 1_1	166300/831.5	100%	0.369	0.17	21.81	21.10	0.849	0.313	22.5
Right tilted	20	QPSK 1_1	166300/831.5	100%	0.069	-0.11	21.81	21.10	0.849	0.059	22.5
Head Evaluate Data (50%RB) State15											
Left cheek	20	QPSK 50_28	166300/831.5	100%	0.744	0.01	21.73	21.10	0.865	0.644	22.5
Left tilted	20	QPSK 50_28	166300/831.5	100%	0.079	-0.14	21.73	21.10	0.865	0.068	22.5
Right cheek	20	QPSK 50_28	166300/831.5	100%	0.384	0.06	21.73	21.10	0.865	0.332	22.5
Right tilted	20	QPSK 50_28	166300/831.5	100%	0.077	-0.18	21.73	21.10	0.865	0.067	22.5
Head Evaluate Data (100%RB) State15											
Left cheek	20	QPSK 100_0	166300/831.5	100%	0.689	0.06	20.67	20.10	0.877	0.604	22.5
Body worn Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_1	166300/831.5	100%	0.444	0.13	22.74	23.60	1.219	0.541	22.5
Back side	20	QPSK 1_1	166300/831.5	100%	0.524	0.01	22.74	23.60	1.219	0.639	22.5
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_28	166300/831.5	100%	0.435	-0.10	22.61	23.60	1.256	0.546	22.5
Back side	20	QPSK 50_28	166300/831.5	100%	0.509	-0.11	22.61	23.60	1.256	0.639	22.5
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_1	166300/831.5	100%	0.444	0.13	22.74	23.60	1.219	0.541	22.5
Back side	20	QPSK 1_1	166300/831.5	100%	0.524	0.01	22.74	23.60	1.219	0.639	22.5

Left side	20	QPSK 1_1	166300/831.5	100%	0.799	-0.08	22.74	23.60	1.219	0.974	22.5
Top side	20	QPSK 1_1	166300/831.5	100%	0.000	0.19	22.74	23.60	1.219	0.000	22.5
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_28	166300/831.5	100%	0.435	-0.10	22.61	23.60	1.256	0.546	22.5
Back side	20	QPSK 50_28	166300/831.5	100%	0.509	-0.11	22.61	23.60	1.256	0.639	22.5
Left side	20	QPSK 50_28	166300/831.5	100%	0.762	0.17	22.61	23.60	1.256	0.957	22.5
Top side	20	QPSK 50_28	166300/831.5	100%	0.000	-0.18	22.61	23.60	1.256	0.000	22.5
Hotspot Test data (Separate 10mm 100%RB) State3											
Left side	20	QPSK 100_0	166300/831.5	100%	0.744	-0.07	21.63	22.60	1.250	0.930	22.5
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	20	QPSK 1_1	166300/831.5	100%	0.238	-0.14	24.71	25.50	1.199	0.285	22.5
Left tilted	20	QPSK 1_1	166300/831.5	100%	0.052	0.12	24.71	25.50	1.199	0.062	22.5
Right cheek	20	QPSK 1_1	166300/831.5	100%	0.505	0.18	24.71	25.50	1.199	0.606	22.5
Right tilted	20	QPSK 1_1	166300/831.5	100%	0.063	0.19	24.71	25.50	1.199	0.076	22.5
Head Test Data (50%RB) State5											
Left cheek	20	QPSK 50_28	166300/831.5	100%	0.262	0.10	24.64	25.50	1.219	0.319	22.5
Left tilted	20	QPSK 50_28	166300/831.5	100%	0.057	0.12	24.64	25.50	1.219	0.069	22.5
Right cheek	20	QPSK 50_28	166300/831.5	100%	0.528	-0.17	24.64	25.50	1.219	0.644	22.5
Right tilted	20	QPSK 50_28	166300/831.5	100%	0.071	0.10	24.64	25.50	1.219	0.087	22.5
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	20	QPSK 1_1	166300/831.5	100%	0.329	-0.07	24.71	25.50	1.199	0.395	22.5
Back side	20	QPSK 1_1	166300/831.5	100%	0.392	-0.07	24.71	25.50	1.199	0.470	22.5
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_28	166300/831.5	100%	0.304	0.05	24.64	25.50	1.219	0.371	22.5
Back side	20	QPSK 50_28	166300/831.5	100%	0.387	0.01	24.64	25.50	1.219	0.472	22.5
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	20	QPSK 1_1	166300/831.5	100%	0.329	-0.07	24.71	25.50	1.199	0.395	22.5
Back side	20	QPSK 1_1	166300/831.5	100%	0.392	-0.07	24.71	25.50	1.199	0.470	22.5
Left side	20	QPSK 1_1	166300/831.5	100%	0.056	-0.03	24.71	25.50	1.199	0.067	22.5
Right side	20	QPSK 1_1	166300/831.5	100%	0.618	0.10	24.71	25.50	1.199	0.741	22.5
Bottom side	20	QPSK 1_1	166300/831.5	100%	0.069	0.13	24.71	25.50	1.199	0.083	22.5
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	20	QPSK 50_28	166300/831.5	100%	0.304	0.05	24.64	25.50	1.219	0.371	22.5
Back side	20	QPSK 50_28	166300/831.5	100%	0.387	0.01	24.64	25.50	1.219	0.472	22.5
Left side	20	QPSK 50_28	166300/831.5	100%	0.047	0.13	24.64	25.50	1.219	0.057	22.5
Right side	20	QPSK 50_28	166300/831.5	100%	0.600	-0.17	24.64	25.50	1.219	0.731	22.5
Bottom side	20	QPSK 50_28	166300/831.5	100%	0.056	0.12	24.64	25.50	1.219	0.068	22.5

10.3.19 SAR Result of NR Band n38

SA N38 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	40	QPSK 1_1	519000/2595	100%	0.374	0.09	15.15	16.40	1.334	0.499	22.7
Left tilted	40	QPSK 1_1	519000/2595	100%	0.028	-0.07	15.15	16.40	1.334	0.037	22.7
Right cheek	40	QPSK 1_1	519000/2595	100%	0.823	0.01	15.15	16.40	1.334	1.097	22.7
Right cheek-Repeat SAR	40	QPSK 1_1	519000/2595	100%	0.816	-0.15	15.15	16.40	1.334	1.088	22.7
Right tilted	40	QPSK 1_1	519000/2595	100%	0.289	0.03	15.15	16.40	1.334	0.385	22.7
Head Test Data (50%RB) State5											
Left cheek	40	QPSK 50_28	519000/2595	100%	0.360	-0.14	15.06	16.40	1.361	0.490	22.7
Left tilted	40	QPSK 50_28	519000/2595	100%	0.026	-0.19	15.06	16.40	1.361	0.035	22.7
Right cheek	40	QPSK 50_28	519000/2595	100%	0.795	-0.01	15.06	16.40	1.361	1.082	22.7
Right tilted	40	QPSK 50_28	519000/2595	100%	0.282	0.16	15.06	16.40	1.361	0.384	22.7
Head Test Data (50%RB) State5											
Right cheek	40	QPSK 100_0	519000/2595	100%	0.752	-0.09	14.11	15.40	1.346	1.012	22.7
Head Evaluate Data (1RB) State10											
Left cheek	40	QPSK 1_1	519000/2595	100%	0.374	0.09	15.15	15.40	1.059	0.396	22.7
Left tilted	40	QPSK 1_1	519000/2595	100%	0.028	-0.07	15.15	15.40	1.059	0.030	22.7
Right cheek	40	QPSK 1_1	519000/2595	100%	0.823	0.01	15.15	15.40	1.059	0.872	22.7
Right tilted	40	QPSK 1_1	519000/2595	100%	0.289	0.03	15.15	15.40	1.059	0.306	22.7
Head Evaluate Data (50%RB) State10											
Left cheek	40	QPSK 50_28	519000/2595	100%	0.360	-0.14	15.06	15.40	1.081	0.389	22.7
Left tilted	40	QPSK 50_28	519000/2595	100%	0.026	-0.19	15.06	15.40	1.081	0.028	22.7
Right cheek	40	QPSK 50_28	519000/2595	100%	0.795	-0.01	15.06	15.40	1.081	0.860	22.7
Right tilted	40	QPSK 50_28	519000/2595	100%	0.282	0.16	15.06	15.40	1.081	0.305	22.7
Head Evaluate Data (50%RB) State10											
Right cheek	40	QPSK 100_0	519000/2595	100%	0.752	-0.09	14.11	14.40	1.069	0.804	22.7
Head Evaluate Data (1RB) State15											
Left cheek	40	QPSK 1_1	519000/2595	100%	0.374	0.09	15.15	14.40	0.841	0.315	22.7
Left tilted	40	QPSK 1_1	519000/2595	100%	0.028	-0.07	15.15	14.40	0.841	0.024	22.7
Right cheek	40	QPSK 1_1	519000/2595	100%	0.823	0.01	15.15	14.40	0.841	0.692	22.7
Right tilted	40	QPSK 1_1	519000/2595	100%	0.289	0.03	15.15	14.40	0.841	0.243	22.7
Head Evaluate Data (50%RB) State15											
Left cheek	40	QPSK 50_28	519000/2595	100%	0.360	-0.14	15.06	14.40	0.859	0.309	22.7
Left tilted	40	QPSK 50_28	519000/2595	100%	0.026	-0.19	15.06	14.40	0.859	0.022	22.7
Right cheek	40	QPSK 50_28	519000/2595	100%	0.795	-0.01	15.06	14.40	0.859	0.683	22.7
Right tilted	40	QPSK 50_28	519000/2595	100%	0.282	0.16	15.06	14.40	0.859	0.242	22.7
Head Evaluate Data (50%RB) State15											
Right cheek	40	QPSK 100_0	519000/2595	100%	0.752	-0.09	14.11	13.40	0.849	0.639	22.7
Body worn Test data (Separate 10mm 1RB) state3											
Front side	40	QPSK 1_1	519000/2595	100%	0.264	-0.11	16.82	17.90	1.282	0.339	22.7
Back side	40	QPSK 1_1	519000/2595	100%	0.312	0.10	16.82	17.90	1.282	0.400	22.7
Body worn Test data (Separate 10mm 50%RB) state3											
Front side	40	QPSK 50_28	519000/2595	100%	0.246	0.04	16.77	17.90	1.297	0.319	22.7
Back side	40	QPSK 50_28	519000/2595	100%	0.308	-0.01	16.77	17.90	1.297	0.400	22.7
Hotspot Test data (Separate 10mm 1RB) state3											
Front side	40	QPSK 1_1	519000/2595	100%	0.264	-0.11	16.82	17.90	1.282	0.339	22.7
Back side	40	QPSK 1_1	519000/2595	100%	0.312	0.10	16.82	17.90	1.282	0.400	22.7

Left side	40	QPSK 1_1	519000/2595	100%	0.676	0.05	16.82	17.90	1.282	0.867	22.7
Top side	40	QPSK 1_1	519000/2595	100%	0.074	-0.10	16.82	17.90	1.282	0.095	22.7
Hotspot Test data (Separate 10mm 50%RB) state3											
Front side	40	QPSK 50_28	519000/2595	100%	0.246	0.04	16.77	17.90	1.297	0.319	22.7
Back side	40	QPSK 50_28	519000/2595	100%	0.308	-0.01	16.77	17.90	1.297	0.400	22.7
Left side	40	QPSK 50_28	519000/2595	100%	0.653	-0.07	16.77	17.90	1.297	0.847	22.7
Top side	40	QPSK 50_28	519000/2595	100%	0.059	-0.09	16.77	17.90	1.297	0.077	22.7
Hotspot Test data (Separate 10mm 100%RB) state3											
Left side	40	QPSK 100_0	519000/2595	100%	0.622	0.17	15.68	16.90	1.324	0.824	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	40	QPSK 1_1	519000/2595	100%	0.528	0.02	24.05	25.30	1.334	0.704	22.7
Left tilted	40	QPSK 1_1	519000/2595	100%	0.124	0.11	24.05	25.30	1.334	0.165	22.7
Right cheek	40	QPSK 1_1	519000/2595	100%	0.150	0.19	24.05	25.30	1.334	0.200	22.7
Right tilted	40	QPSK 1_1	519000/2595	100%	0.051	-0.07	24.05	25.30	1.334	0.068	22.7
Head Test Data (50%RB) State5											
Left cheek	40	QPSK 50_28	519000/2595	100%	0.513	-0.15	23.88	25.30	1.387	0.711	22.7
Left tilted	40	QPSK 50_28	519000/2595	100%	0.105	0.12	23.88	25.30	1.387	0.146	22.7
Right cheek	40	QPSK 50_28	519000/2595	100%	0.143	-0.05	23.88	25.30	1.387	0.198	22.7
Right tilted	40	QPSK 50_28	519000/2595	100%	0.046	0.16	23.88	25.30	1.387	0.064	22.7
Body worn Test data (Separate 10mm 1RB) state3											
Front side	40	QPSK 1_1	519000/2595	100%	0.171	-0.18	18.52	19.80	1.343	0.230	22.7
Back side	40	QPSK 1_1	519000/2595	100%	0.156	0.11	18.52	19.80	1.343	0.209	22.7
Body worn Test data (Separate 10mm 50%RB) state3											
Front side	40	QPSK 50_28	519000/2595	100%	0.153	-0.01	18.31	19.80	1.409	0.216	22.7
Back side	40	QPSK 50_28	519000/2595	100%	0.146	0.14	18.31	19.80	1.409	0.206	22.7
Hotspot Test data (Separate 10mm 1RB) state3											
Front side	40	QPSK 1_1	519000/2595	100%	0.171	-0.18	18.52	19.80	1.343	0.230	22.7
Back side	40	QPSK 1_1	519000/2595	100%	0.156	0.11	18.52	19.80	1.343	0.209	22.7
Left side	40	QPSK 1_1	519000/2595	100%	0.059	-0.03	18.52	19.80	1.343	0.079	22.7
Right side	40	QPSK 1_1	519000/2595	100%	0.047	-0.09	18.52	19.80	1.343	0.063	22.7
Bottom side	40	QPSK 1_1	519000/2595	100%	0.211	0.02	18.52	19.80	1.343	0.283	22.7
Hotspot Test data (Separate 10mm 50%RB) state3											
Front side	40	QPSK 50_28	519000/2595	100%	0.153	-0.01	18.31	19.80	1.409	0.216	22.7
Back side	40	QPSK 50_28	519000/2595	100%	0.146	0.14	18.31	19.80	1.409	0.206	22.7
Left side	40	QPSK 50_28	519000/2595	100%	0.052	0.10	18.31	19.80	1.409	0.073	22.7
Right side	40	QPSK 50_28	519000/2595	100%	0.041	0.07	18.31	19.80	1.409	0.058	22.7
Bottom side	40	QPSK 50_28	519000/2595	100%	0.202	0.15	18.31	19.80	1.409	0.285	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	40	QPSK 1_1	519000/2595	100%	0.476	0.14	17.91	18.90	1.256	0.598	22.7
Left tilted	40	QPSK 1_1	519000/2595	100%	0.233	-0.13	17.91	18.90	1.256	0.293	22.7
Right cheek	40	QPSK 1_1	519000/2595	100%	0.631	0.00	17.91	18.90	1.256	0.793	22.7
Right tilted	40	QPSK 1_1	519000/2595	100%	0.723	-0.16	17.91	18.90	1.256	0.908	22.7
Head Test Data (50%RB) State5											
Left cheek	40	QPSK 50_28	519000/2595	100%	0.454	0.01	17.80	18.90	1.288	0.585	22.7
Left tilted	40	QPSK 50_28	519000/2595	100%	0.211	0.14	17.80	18.90	1.288	0.272	22.7

Right cheek	40	QPSK 50_28	519000/2595	100%	0.606	0.09	17.80	18.90	1.288	0.781	22.7
Right tilted	40	QPSK 50_28	519000/2595	100%	0.711	0.03	17.80	18.90	1.288	0.916	22.7
Head Test Data (100%RB) State5											
Right tilted	40	QPSK 100_0	519000/2595	100%	0.683	0.02	16.71	17.90	1.315	0.898	22.7
Body worn Test data (Separate 10mm 1RB) state3											
Front side	40	QPSK 1_1	519000/2595	100%	0.084	0.03	15.92	16.90	1.253	0.105	22.7
Back side	40	QPSK 1_1	519000/2595	100%	0.135	-0.08	15.92	16.90	1.253	0.169	22.7
Body worn Test data (Separate 10mm 50%RB) state3											
Front side	40	QPSK 50_28	519000/2595	100%	0.076	-0.05	15.76	16.90	1.300	0.099	22.7
Back side	40	QPSK 50_28	519000/2595	100%	0.127	0.07	15.76	16.90	1.300	0.165	22.7
Hotspot Test data (Separate 10mm 1RB) state3											
Front side	40	QPSK 1_1	519000/2595	100%	0.084	0.03	15.92	16.90	1.253	0.105	22.7
Back side	40	QPSK 1_1	519000/2595	100%	0.135	-0.08	15.92	16.90	1.253	0.169	22.7
Left side	40	QPSK 1_1	519000/2595	100%	0.036	0.13	15.92	16.90	1.253	0.045	22.7
Top side	40	QPSK 1_1	519000/2595	100%	0.290	-0.12	15.92	16.90	1.253	0.363	22.7
Hotspot Test data (Separate 10mm 50%RB) state3											
Front side	40	QPSK 50_28	519000/2595	100%	0.076	-0.05	15.76	16.90	1.300	0.099	22.7
Back side	40	QPSK 50_28	519000/2595	100%	0.127	0.07	15.76	16.90	1.300	0.165	22.7
Left side	40	QPSK 50_28	519000/2595	100%	0.032	0.18	15.76	16.90	1.300	0.042	22.7
Top side	40	QPSK 50_28	519000/2595	100%	0.282	-0.15	15.76	16.90	1.300	0.367	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	40	QPSK 1_1	519000/2595	100%	0.433	0.05	16.88	18.00	1.294	0.560	22.7
Left tilted	40	QPSK 1_1	519000/2595	100%	0.066	-0.01	16.88	18.00	1.294	0.085	22.7
Right cheek	40	QPSK 1_1	519000/2595	100%	0.793	-0.19	16.88	18.00	1.294	1.026	22.7
Right tilted	40	QPSK 1_1	519000/2595	100%	0.047	-0.04	16.88	18.00	1.294	0.061	22.7
Head Test Data (50%RB) State5											
Left cheek	40	QPSK 50_28	519000/2595	100%	0.423	0.11	16.74	18.00	1.337	0.565	22.7
Left tilted	40	QPSK 50_28	519000/2595	100%	0.062	0.04	16.74	18.00	1.337	0.083	22.7
Right cheek	40	QPSK 50_28	519000/2595	100%	0.770	0.18	16.74	18.00	1.337	1.029	22.7
Right tilted	40	QPSK 50_28	519000/2595	100%	0.042	-0.09	16.74	18.00	1.337	0.056	22.7
Head Test Data (100%RB) State5											
Right cheek	40	QPSK 100_0	519000/2595	100%	0.739	0.16	15.74	17.00	1.337	0.988	22.7
Head Evaluate Data (1RB) State10											
Left cheek	40	QPSK 1_1	519000/2595	100%	0.433	0.05	16.88	17.00	1.028	0.445	22.7
Left tilted	40	QPSK 1_1	519000/2595	100%	0.066	-0.01	16.88	17.00	1.028	0.068	22.7
Right cheek	40	QPSK 1_1	519000/2595	100%	0.793	-0.19	16.88	17.00	1.028	0.815	22.7
Right tilted	40	QPSK 1_1	519000/2595	100%	0.047	-0.04	16.88	17.00	1.028	0.048	22.7
Head Evaluate Data (50%RB) State10											
Left cheek	40	QPSK 50_28	519000/2595	100%	0.423	0.11	16.74	17.00	1.062	0.449	22.7
Left tilted	40	QPSK 50_28	519000/2595	100%	0.062	0.04	16.74	17.00	1.062	0.066	22.7
Right cheek	40	QPSK 50_28	519000/2595	100%	0.770	0.18	16.74	17.00	1.062	0.818	22.7
Right tilted	40	QPSK 50_28	519000/2595	100%	0.042	-0.09	16.74	17.00	1.062	0.045	22.7
Head Evaluate Data (100%RB) State10											
Right cheek	40	QPSK 100_0	519000/2595	100%	0.739	0.16	15.74	16.00	1.062	0.785	22.7
Head Evaluate Data (1RB) State15											
Left cheek	40	QPSK 1_1	519000/2595	100%	0.433	0.05	16.88	16.00	0.817	0.354	22.7
Left tilted	40	QPSK 1_1	519000/2595	100%	0.066	-0.01	16.88	16.00	0.817	0.054	22.7
Right cheek	40	QPSK 1_1	519000/2595	100%	0.793	-0.19	16.88	16.00	0.817	0.648	22.7

Right tilted	40	QPSK 1_1	519000/2595	100%	0.047	-0.04	16.88	16.00	0.817	0.038	22.7
Head Evaluate Data (50%RB) State15											
Left cheek	40	QPSK 50_28	519000/2595	100%	0.423	0.11	16.74	16.00	0.843	0.357	22.7
Left tilted	40	QPSK 50_28	519000/2595	100%	0.062	0.04	16.74	16.00	0.843	0.052	22.7
Right cheek	40	QPSK 50_28	519000/2595	100%	0.770	0.18	16.74	16.00	0.843	0.649	22.7
Right tilted	40	QPSK 50_28	519000/2595	100%	0.042	-0.09	16.74	16.00	0.843	0.035	22.7
Head Evaluate Data (100%RB) State15											
Right cheek	40	QPSK 100_0	519000/2595	100%	0.739	0.16	15.74	15.00	0.843	0.623	22.7
Body worn Test data (Separate 10mm 1RB) state3											
Front side	40	QPSK 1_1	519000/2595	100%	0.281	0.10	20.04	21.00	1.247	0.351	22.7
Back side	40	QPSK 1_1	519000/2595	100%	0.355	0.06	20.04	21.00	1.247	0.443	22.7
Body worn Test data (Separate 10mm 50%RB) state3											
Front side	40	QPSK 50_28	519000/2595	100%	0.268	0.17	19.95	21.00	1.274	0.341	22.7
Back side	40	QPSK 50_28	519000/2595	100%	0.341	0.00	19.95	21.00	1.274	0.434	22.7
Hotspot Test data (Separate 10mm 1RB) state3											
Front side	40	QPSK 1_1	519000/2595	100%	0.281	0.10	20.04	21.00	1.247	0.351	22.7
Back side	40	QPSK 1_1	519000/2595	100%	0.355	0.06	20.04	21.00	1.247	0.443	22.7
Right side	40	QPSK 1_1	519000/2595	100%	0.519	-0.19	20.04	21.00	1.247	0.647	22.7
Top side	40	QPSK 1_1	519000/2595	100%	0.046	0.11	20.04	21.00	1.247	0.057	22.7
Hotspot Test data (Separate 10mm 50%RB) state3											
Front side	40	QPSK 50_28	519000/2595	100%	0.268	0.17	19.95	21.00	1.274	0.341	22.7
Back side	40	QPSK 50_28	519000/2595	100%	0.341	0.00	19.95	21.00	1.274	0.434	22.7
Right side	40	QPSK 50_28	519000/2595	100%	0.497	-0.17	19.95	21.00	1.274	0.633	22.7
Top side	40	QPSK 50_28	519000/2595	100%	0.037	0.10	19.95	21.00	1.274	0.047	22.7

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	519000/2595	0.823	0.816	1.009	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.						

10.3.20 SAR Result of NR Band n41

SA N41 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	100	QPSK 1_1	518598/2592.99	100%	0.057	0.09	16.51	17.70	1.315	0.075	22.7
Left tilted	100	QPSK 1_1	518598/2592.99	100%	0.034	0.15	16.51	17.70	1.315	0.045	22.7
Right cheek	100	QPSK 1_1	518598/2592.99	100%	0.446	-0.06	16.51	17.70	1.315	0.587	22.7
Right tilted	100	QPSK 1_1	518598/2592.99	100%	0.073	0.05	16.51	17.70	1.315	0.096	22.7
Head Test Data (50%RB) State5											
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.071	-0.05	16.42	17.70	1.343	0.095	22.7
Left tilted	100	QPSK 135_69	518598/2592.99	100%	0.044	-0.14	16.42	17.70	1.343	0.059	22.7
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.490	-0.07	16.42	17.70	1.343	0.658	22.7
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.089	-0.17	16.42	17.70	1.343	0.120	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.118	0.08	16.10	17.20	1.288	0.152	22.7
Back side	100	QPSK 1_1	518598/2592.99	100%	0.152	0.15	16.10	17.20	1.288	0.196	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.107	-0.06	15.98	17.20	1.324	0.142	22.7
Back side	100	QPSK 135_69	518598/2592.99	100%	0.144	-0.07	15.98	17.20	1.324	0.191	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.118	0.08	16.10	17.20	1.288	0.152	22.7
Back side	100	QPSK 1_1	518598/2592.99	100%	0.152	0.15	16.10	17.20	1.288	0.196	22.7
Left side	100	QPSK 1_1	518598/2592.99	100%	0.271	0.05	16.10	17.20	1.288	0.349	22.7
Top side	100	QPSK 1_1	518598/2592.99	100%	0.000	0.06	16.10	17.20	1.288	0.000	22.7
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.107	-0.06	15.98	17.20	1.324	0.142	22.7
Back side	100	QPSK 135_69	518598/2592.99	100%	0.144	-0.07	15.98	17.20	1.324	0.191	22.7
Left side	100	QPSK 135_69	518598/2592.99	100%	0.256	0.05	15.98	17.20	1.324	0.339	22.7
Top side	100	QPSK 135_69	518598/2592.99	100%	0.000	-0.05	15.98	17.20	1.324	0.000	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	100	QPSK 1_1	518598/2592.99	100%	0.556	-0.19	26.43	27.50	1.279	0.711	22.7
Left tilted	100	QPSK 1_1	518598/2592.99	100%	0.213	0.12	26.43	27.50	1.279	0.273	22.7
Right cheek	100	QPSK 1_1	518598/2592.99	100%	0.355	0.13	26.43	27.50	1.279	0.454	22.7
Right tilted	100	QPSK 1_1	518598/2592.99	100%	0.097	-0.17	26.43	27.50	1.279	0.124	22.7
Head Test Data (50%RB) State5											
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.454	0.06	26.26	27.50	1.330	0.604	22.7
Left tilted	100	QPSK 135_69	518598/2592.99	100%	0.189	-0.15	26.26	27.50	1.330	0.251	22.7
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.244	-0.17	26.26	27.50	1.330	0.325	22.7
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.084	0.04	26.26	27.50	1.330	0.112	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.096	-0.01	16.39	17.50	1.291	0.124	22.7
Back side	100	QPSK 1_1	518598/2592.99	100%	0.093	-0.19	16.39	17.50	1.291	0.120	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.088	0.16	16.31	17.50	1.315	0.116	22.7
Back side	100	QPSK 135_69	518598/2592.99	100%	0.079	0.05	16.31	17.50	1.315	0.104	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.096	-0.01	16.39	17.50	1.291	0.124	22.7
Back side	100	QPSK 1_1	518598/2592.99	100%	0.093	-0.19	16.39	17.50	1.291	0.120	22.7
Left side	100	QPSK 1_1	518598/2592.99	100%	0.000	0.17	16.39	17.50	1.291	0.000	22.7
Right side	100	QPSK 1_1	518598/2592.99	100%	0.031	0.13	16.39	17.50	1.291	0.040	22.7

Bottom side	100	QPSK 1_1	518598/2592.99	100%	0.143	0.00	16.39	17.50	1.291	0.185	22.7
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.088	0.16	16.31	17.50	1.315	0.116	22.7
Back side	100	QPSK 135_69	518598/2592.99	100%	0.079	0.05	16.31	17.50	1.315	0.104	22.7
Left side	100	QPSK 135_69	518598/2592.99	100%	0.000	0.10	16.31	17.50	1.315	0.000	22.7
Right side	100	QPSK 135_69	518598/2592.99	100%	0.025	-0.05	16.31	17.50	1.315	0.033	22.7
Bottom side	100	QPSK 135_69	518598/2592.99	100%	0.134	-0.02	16.31	17.50	1.315	0.176	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	100	QPSK 1_1	518598/2592.99	100%	0.054	0.05	16.37	17.10	1.183	0.064	22.7
Left tilted	100	QPSK 1_1	518598/2592.99	100%	0.039	0.11	16.37	17.10	1.183	0.046	22.7
Right cheek	100	QPSK 1_1	518598/2592.99	100%	0.346	-0.13	16.37	17.10	1.183	0.409	22.7
Right tilted	100	QPSK 1_1	518598/2592.99	100%	0.340	-0.19	16.37	17.10	1.183	0.402	22.7
Head Test Data (50%RB) State5											
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.045	0.00	16.29	17.10	1.205	0.054	22.7
Left tilted	100	QPSK 135_69	518598/2592.99	100%	0.032	0.10	16.29	17.10	1.205	0.039	22.7
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.230	-0.11	16.29	17.10	1.205	0.277	22.7
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.223	-0.15	16.29	17.10	1.205	0.269	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.059	-0.06	14.80	15.60	1.202	0.071	22.7
Back side	100	QPSK 1_1	518598/2592.99	100%	0.063	0.15	14.80	15.60	1.202	0.076	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.054	-0.12	14.67	15.60	1.239	0.067	22.7
Back side	100	QPSK 135_69	518598/2592.99	100%	0.060	0.12	14.67	15.60	1.239	0.074	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.059	-0.06	14.80	15.60	1.202	0.071	22.7
Back side	100	QPSK 1_1	518598/2592.99	100%	0.063	0.15	14.80	15.60	1.202	0.076	22.7
Left side	100	QPSK 1_1	518598/2592.99	100%	0.000	-0.11	14.80	15.60	1.202	0.000	22.7
Top side	100	QPSK 1_1	518598/2592.99	100%	0.197	0.19	14.80	15.60	1.202	0.237	22.7
Hotspot Test data (Separate 10mm 50%RB) State 3											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.054	-0.12	14.67	15.60	1.239	0.067	22.7
Back side	100	QPSK 135_69	518598/2592.99	100%	0.060	0.12	14.67	15.60	1.239	0.074	22.7
Left side	100	QPSK 135_69	518598/2592.99	100%	0.000	0.02	14.67	15.60	1.239	0.000	22.7
Top side	100	QPSK 135_69	518598/2592.99	100%	0.188	-0.09	14.67	15.60	1.239	0.233	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	100	QPSK 1_1	518598/2592.99	100%	0.643	0.07	17.37	18.50	1.297	0.834	22.7
Left tilted	100	QPSK 1_1	518598/2592.99	100%	0.111	0.05	17.37	18.50	1.297	0.144	22.7
Right cheek	100	QPSK 1_1	518598/2592.99	100%	0.731	-0.17	17.37	18.50	1.297	0.948	22.7
Right tilted	100	QPSK 1_1	518598/2592.99	100%	0.077	0.15	17.37	18.50	1.297	0.100	22.7
Head Test Data (50%RB) State5											
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.737	0.15	17.34	18.50	1.306	0.963	22.7
Left tilted	100	QPSK 135_69	518598/2592.99	100%	0.118	-0.12	17.34	18.50	1.306	0.154	22.7
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.904	0.02	17.34	18.50	1.306	1.181	22.7
Right cheek-Repeat SAR	100	QPSK 135_69	518598/2592.99	100%	0.900	0.01	17.34	18.50	1.306	1.176	22.7
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.091	0.14	17.34	18.50	1.306	0.119	22.7
Head Test Data (100%RB) State5											
Left cheek	100	QPSK 270_0	518598/2592.99	100%	0.659	0.12	16.12	17.50	1.374	0.905	22.7
Right cheek	100	QPSK 270_0	518598/2592.99	100%	0.783	0.12	16.12	17.50	1.374	1.076	22.7
Head Evaluate Data (1RB) State10											
Left cheek	100	QPSK 1_1	518598/2592.99	100%	0.643	0.07	17.37	17.50	1.030	0.663	22.7
Left tilted	100	QPSK 1_1	518598/2592.99	100%	0.111	0.05	17.37	17.50	1.030	0.114	22.7

Right cheek	100	QPSK 1_1	518598/2592.99	100%	0.731	-0.17	17.37	17.50	1.030	0.753	22.7
Right tilted	100	QPSK 1_1	518598/2592.99	100%	0.077	0.15	17.37	17.50	1.030	0.079	22.7
Head Evaluate Data (50%RB) State10											
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.737	0.15	17.34	17.50	1.038	0.765	22.7
Left tilted	100	QPSK 135_69	518598/2592.99	100%	0.118	-0.12	17.34	17.50	1.038	0.122	22.7
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.904	0.02	17.34	17.50	1.038	0.938	22.7
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.091	0.14	17.34	17.50	1.038	0.094	22.7
Head Evaluate Data (100%RB) State10											
Left cheek	100	QPSK 270_0	518598/2592.99	100%	0.659	0.12	16.12	16.50	1.091	0.719	22.7
Right cheek	100	QPSK 270_0	518598/2592.99	100%	0.783	0.12	16.12	16.50	1.091	0.855	22.7
Head Evaluate Data (1RB) State15											
Left cheek	100	QPSK 1_1	518598/2592.99	100%	0.643	0.07	17.37	16.50	0.818	0.526	22.7
Left tilted	100	QPSK 1_1	518598/2592.99	100%	0.111	0.05	17.37	16.50	0.818	0.091	22.7
Right cheek	100	QPSK 1_1	518598/2592.99	100%	0.731	-0.17	17.37	16.50	0.818	0.598	22.7
Right tilted	100	QPSK 1_1	518598/2592.99	100%	0.077	0.15	17.37	16.50	0.818	0.063	22.7
Head Evaluate Data (50%RB) State15											
Left cheek	100	QPSK 135_69	518598/2592.99	100%	0.737	0.15	17.34	16.50	0.824	0.607	22.7
Left tilted	100	QPSK 135_69	518598/2592.99	100%	0.118	-0.12	17.34	16.50	0.824	0.097	22.7
Right cheek	100	QPSK 135_69	518598/2592.99	100%	0.904	0.02	17.34	16.50	0.824	0.745	22.7
Right tilted	100	QPSK 135_69	518598/2592.99	100%	0.091	0.14	17.34	16.50	0.824	0.075	22.7
Head Evaluate Data (100%RB) State15											
Left cheek	100	QPSK 270_0	518598/2592.99	100%	0.659	0.12	16.12	15.50	0.867	0.571	22.7
Right cheek	100	QPSK 270_0	518598/2592.99	100%	0.783	0.12	16.12	15.50	0.867	0.679	22.7
Body worn Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.221	-0.16	19.26	20.50	1.330	0.294	22.7
Back side	100	QPSK 1_1	518598/2592.99	100%	0.288	0.06	19.26	20.50	1.330	0.383	22.7
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.214	0.16	19.24	20.50	1.337	0.286	22.7
Back side	100	QPSK 135_69	518598/2592.99	100%	0.265	0.07	19.24	20.50	1.337	0.354	22.7
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	518598/2592.99	100%	0.221	-0.16	19.26	20.50	1.330	0.294	22.7
Back side	100	QPSK 1_1	518598/2592.99	100%	0.288	0.06	19.26	20.50	1.330	0.383	22.7
Right side	100	QPSK 1_1	518598/2592.99	100%	0.488	-0.04	19.26	20.50	1.330	0.649	22.7
Top side	100	QPSK 1_1	518598/2592.99	100%	0.066	0.16	19.26	20.50	1.330	0.088	22.7
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	518598/2592.99	100%	0.214	0.16	19.24	20.50	1.337	0.286	22.7
Back side	100	QPSK 135_69	518598/2592.99	100%	0.265	0.07	19.24	20.50	1.337	0.354	22.7
Right side	100	QPSK 135_69	518598/2592.99	100%	0.473	0.07	19.24	20.50	1.337	0.632	22.7
Top side	100	QPSK 135_69	518598/2592.99	100%	0.061	0.19	19.24	20.50	1.337	0.082	22.7

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	518598/2592.99	0.904	0.900	1.004	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.						

10.3.21 SAR Result of NR Band n66

SA N66 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	40	QPSK 1_1	349000/1745	100%	0.211	-0.04	19.75	20.30	1.135	0.239	22.6
Left tilted	40	QPSK 1_1	349000/1745	100%	0.055	0.18	19.75	20.30	1.135	0.062	22.6
Right cheek	40	QPSK 1_1	349000/1745	100%	0.709	-0.06	19.75	20.30	1.135	0.805	22.6
Right tilted	40	QPSK 1_1	349000/1745	100%	0.106	-0.08	19.75	20.30	1.135	0.120	22.6
Head Test Data (50%RB) State5											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.146	-0.19	19.49	20.30	1.205	0.176	22.6
Left tilted	40	QPSK 108_54	349000/1745	100%	0.045	-0.11	19.49	20.30	1.205	0.054	22.6
Right cheek	40	QPSK 108_54	349000/1745	100%	0.630	0.01	19.49	20.30	1.205	0.759	22.6
Right tilted	40	QPSK 108_54	349000/1745	100%	0.080	-0.15	19.49	20.30	1.205	0.096	22.6
Head Test Data (100%RB) State5											
Right cheek	40	QPSK 216_0	349000/1745	100%	0.605	-0.06	18.61	19.30	1.172	0.709	22.6
Body worn Test data (Separate 10mm 1RB) State3											
Front side	40	QPSK 1_1	349000/1745	100%	0.124	0.16	19.75	20.30	1.135	0.141	22.6
Back side	40	QPSK 1_1	349000/1745	100%	0.160	0.06	19.75	20.30	1.135	0.182	22.6
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	40	QPSK 108_54	349000/1745	100%	0.117	-0.10	19.49	20.30	1.205	0.141	22.6
Back side	40	QPSK 108_54	349000/1745	100%	0.153	0.14	19.49	20.30	1.205	0.184	22.6
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	40	QPSK 1_1	349000/1745	100%	0.124	0.16	19.75	20.30	1.135	0.141	22.6
Back side	40	QPSK 1_1	349000/1745	100%	0.160	0.06	19.75	20.30	1.135	0.182	22.6
Left side	40	QPSK 1_1	349000/1745	100%	0.268	-0.02	19.75	20.30	1.135	0.304	22.6
Top side	40	QPSK 1_1	349000/1745	100%	0.000	0.06	19.75	20.30	1.135	0.000	22.6
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	40	QPSK 108_54	349000/1745	100%	0.117	-0.10	19.49	20.30	1.205	0.141	22.6
Back side	40	QPSK 108_54	349000/1745	100%	0.153	0.14	19.49	20.30	1.205	0.184	22.6
Left side	40	QPSK 108_54	349000/1745	100%	0.255	0.19	19.49	20.30	1.205	0.307	22.6
Top side	40	QPSK 108_54	349000/1745	100%	0.000	-0.02	19.49	20.30	1.205	0.000	22.6
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	40	QPSK 1_1	349000/1745	100%	0.150	0.18	24.76	25.50	1.186	0.178	22.6
Left tilted	40	QPSK 1_1	349000/1745	100%	0.038	-0.09	24.76	25.50	1.186	0.045	22.6
Right cheek	40	QPSK 1_1	349000/1745	100%	0.333	0.13	24.76	25.50	1.186	0.395	22.6
Right tilted	40	QPSK 1_1	349000/1745	100%	0.039	-0.11	24.76	25.50	1.186	0.046	22.6
Head Test Data (50%RB) State5											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.144	0.12	24.51	25.50	1.256	0.181	22.6
Left tilted	40	QPSK 108_54	349000/1745	100%	0.031	0.19	24.51	25.50	1.256	0.039	22.6
Right cheek	40	QPSK 108_54	349000/1745	100%	0.311	0.01	24.51	25.50	1.256	0.391	22.6
Right tilted	40	QPSK 108_54	349000/1745	100%	0.035	0.09	24.51	25.50	1.256	0.044	22.6
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	40	QPSK 1_1	349000/1745	100%	0.279	0.19	20.33	21.00	1.167	0.326	22.6
Back side	40	QPSK 1_1	349000/1745	100%	0.347	0.07	20.33	21.00	1.167	0.405	22.6
Body worn Test data (Separate 10mm 50%RB) State3											

Front side	40	QPSK 108_54	349000/1745	100%	0.253	-0.05	20.25	21.00	1.189	0.301	22.6
Back side	40	QPSK 108_54	349000/1745	100%	0.331	0.01	20.25	21.00	1.189	0.393	22.6
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	40	QPSK 1_1	349000/1745	100%	0.279	0.19	20.33	21.00	1.167	0.326	22.6
Back side	40	QPSK 1_1	349000/1745	100%	0.347	0.07	20.33	21.00	1.167	0.405	22.6
Left side	40	QPSK 1_1	349000/1745	100%	0.074	-0.13	20.33	21.00	1.167	0.086	22.6
Right side	40	QPSK 1_1	349000/1745	100%	0.069	-0.18	20.33	21.00	1.167	0.081	22.6
Bottom side	40	QPSK 1_1	349000/1745	100%	0.535	0.03	20.33	21.00	1.167	0.624	22.6
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	40	QPSK 108_54	349000/1745	100%	0.253	-0.05	20.25	21.00	1.189	0.301	22.6
Back side	40	QPSK 108_54	349000/1745	100%	0.331	0.01	20.25	21.00	1.189	0.393	22.6
Left side	40	QPSK 108_54	349000/1745	100%	0.068	-0.02	20.25	21.00	1.189	0.081	22.6
Right side	40	QPSK 108_54	349000/1745	100%	0.056	-0.10	20.25	21.00	1.189	0.067	22.6
Bottom side	40	QPSK 108_54	349000/1745	100%	0.522	-0.07	20.25	21.00	1.189	0.620	22.6
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	40	QPSK 1_1	349000/1745	100%	0.435	0.12	17.84	18.50	1.164	0.506	22.6
Left tilted	40	QPSK 1_1	349000/1745	100%	0.148	-0.10	17.84	18.50	1.164	0.172	22.6
Right cheek	40	QPSK 1_1	349000/1745	100%	0.876	-0.06	17.84	18.50	1.164	1.020	22.6
Right tilted	40	QPSK 1_1	349000/1745	100%	0.317	0.02	17.84	18.50	1.164	0.369	22.6
Head Test Data (50%RB) State5											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.324	-0.15	17.69	18.50	1.205	0.390	22.6
Left tilted	40	QPSK 108_54	349000/1745	100%	0.116	0.12	17.69	18.50	1.205	0.140	22.6
Right cheek	40	QPSK 108_54	349000/1745	100%	0.814	-0.19	17.69	18.50	1.205	0.981	22.6
Right tilted	40	QPSK 108_54	349000/1745	100%	0.234	-0.14	17.69	18.50	1.205	0.282	22.6
Head Test Data (100%RB) State5											
Right cheek	40	QPSK 216_0	349000/1745	100%	0.795	-0.15	16.73	17.50	1.194	0.949	22.6
Head Evaluate Data (1RB) State10											
Left cheek	40	QPSK 1_1	349000/1745	100%	0.435	0.12	17.84	18.00	1.038	0.451	22.6
Left tilted	40	QPSK 1_1	349000/1745	100%	0.148	-0.10	17.84	18.00	1.038	0.154	22.6
Right cheek	40	QPSK 1_1	349000/1745	100%	0.876	-0.06	17.84	18.00	1.038	0.909	22.6
Right tilted	40	QPSK 1_1	349000/1745	100%	0.317	0.02	17.84	18.00	1.038	0.329	22.6
Head Evaluate Data (50%RB) State10											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.324	-0.15	17.69	18.00	1.074	0.348	22.6
Left tilted	40	QPSK 108_54	349000/1745	100%	0.116	0.12	17.69	18.00	1.074	0.125	22.6
Right cheek	40	QPSK 108_54	349000/1745	100%	0.814	-0.19	17.69	18.00	1.074	0.874	22.6
Right tilted	40	QPSK 108_54	349000/1745	100%	0.234	-0.14	17.69	18.00	1.074	0.251	22.6
Head Evaluate Data (100%RB) State10											
Right cheek	40	QPSK 216_0	349000/1745	100%	0.795	-0.15	16.73	17.00	1.064	0.846	22.6
Head Evaluate Data (1RB) State15											
Left cheek	40	QPSK 1_1	349000/1745	100%	0.435	0.12	17.84	17.00	0.824	0.359	22.6
Left tilted	40	QPSK 1_1	349000/1745	100%	0.148	-0.10	17.84	17.00	0.824	0.122	22.6
Right cheek	40	QPSK 1_1	349000/1745	100%	0.876	-0.06	17.84	17.00	0.824	0.722	22.6
Right tilted	40	QPSK 1_1	349000/1745	100%	0.317	0.02	17.84	17.00	0.824	0.261	22.6
Head Evaluate Data (50%RB) State15											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.324	-0.15	17.69	17.00	0.853	0.276	22.6
Left tilted	40	QPSK 108_54	349000/1745	100%	0.116	0.12	17.69	17.00	0.853	0.099	22.6
Right cheek	40	QPSK 108_54	349000/1745	100%	0.814	-0.19	17.69	17.00	0.853	0.694	22.6
Right tilted	40	QPSK 108_54	349000/1745	100%	0.234	-0.14	17.69	17.00	0.853	0.200	22.6

Head Evaluate Data (100%RB) State15											
Right cheek	40	QPSK 216_0	349000/1745	100%	0.795	-0.15	16.73	16.00	0.845	0.672	22.6
Body worn Test data (Separate 10mm 1RB) State3											
Front side	40	QPSK 1_1	349000/1745	100%	0.212	0.10	19.24	20.00	1.191	0.253	22.6
Back side	40	QPSK 1_1	349000/1745	100%	0.288	-0.15	19.24	20.00	1.191	0.343	22.6
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	40	QPSK 108_54	349000/1745	100%	0.206	0.06	19.07	20.00	1.239	0.255	22.6
Back side	40	QPSK 108_54	349000/1745	100%	0.267	0.09	19.07	20.00	1.239	0.331	22.6
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	40	QPSK 1_1	349000/1745	100%	0.212	0.10	19.24	20.00	1.191	0.253	22.6
Back side	40	QPSK 1_1	349000/1745	100%	0.288	-0.15	19.24	20.00	1.191	0.343	22.6
Left side	40	QPSK 1_1	349000/1745	100%	0.084	0.11	19.24	20.00	1.191	0.100	22.6
Top side	40	QPSK 1_1	349000/1745	100%	0.433	-0.10	19.24	20.00	1.191	0.516	22.6
Hotspot Test data (Separate 10mm 50%RB) State 3											
Front side	40	QPSK 108_54	349000/1745	100%	0.206	0.06	19.07	20.00	1.239	0.255	22.6
Back side	40	QPSK 108_54	349000/1745	100%	0.267	0.09	19.07	20.00	1.239	0.331	22.6
Left side	40	QPSK 108_54	349000/1745	100%	0.081	0.12	19.07	20.00	1.239	0.100	22.6
Top side	40	QPSK 108_54	349000/1745	100%	0.428	-0.13	19.07	20.00	1.239	0.530	22.6
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	40	QPSK 1_1	349000/1745	100%	0.886	0.09	19.66	20.70	1.271	1.126	22.6
Left cheek-Repeat SAR	40	QPSK 1_1	349000/1745	100%	0.878	0.13	19.66	20.70	1.271	1.116	22.6
Left tilted	40	QPSK 1_1	349000/1745	100%	0.047	0.02	19.66	20.70	1.271	0.060	22.6
Right cheek	40	QPSK 1_1	349000/1745	100%	0.203	0.09	19.66	20.70	1.271	0.258	22.6
Right tilted	40	QPSK 1_1	349000/1745	100%	0.047	0.03	19.66	20.70	1.271	0.060	22.6
Head Test Data (50%RB) State5											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.713	-0.13	19.38	20.70	1.355	0.966	22.6
Left tilted	40	QPSK 108_54	349000/1745	100%	0.039	-0.09	19.38	20.70	1.355	0.053	22.6
Right cheek	40	QPSK 108_54	349000/1745	100%	0.157	0.02	19.38	20.70	1.355	0.213	22.6
Right tilted	40	QPSK 108_54	349000/1745	100%	0.039	0.12	19.38	20.70	1.355	0.053	22.6
Head Test Data (100%RB) State5											
Left cheek	40	QPSK 216_0	349000/1745	100%	0.708	0.07	18.41	19.70	1.346	0.953	22.6
Head Evaluate Data (1RB) State10											
Left cheek	40	QPSK 1_1	349000/1745	100%	0.886	0.09	19.66	19.70	1.009	0.894	22.6
Left tilted	40	QPSK 1_1	349000/1745	100%	0.047	0.02	19.66	19.70	1.009	0.047	22.6
Right cheek	40	QPSK 1_1	349000/1745	100%	0.203	0.09	19.66	19.70	1.009	0.205	22.6
Right tilted	40	QPSK 1_1	349000/1745	100%	0.047	0.03	19.66	19.70	1.009	0.047	22.6
Head Evaluate Data (50%RB) State10											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.713	-0.13	19.38	19.70	1.076	0.768	22.6
Left tilted	40	QPSK 108_54	349000/1745	100%	0.039	-0.09	19.38	19.70	1.076	0.042	22.6
Right cheek	40	QPSK 108_54	349000/1745	100%	0.157	0.02	19.38	19.70	1.076	0.169	22.6
Right tilted	40	QPSK 108_54	349000/1745	100%	0.039	0.12	19.38	19.70	1.076	0.042	22.6
Head Evaluate Data (100%RB) State10											
Left cheek	40	QPSK 216_0	349000/1745	100%	0.708	0.07	18.41	18.70	1.069	0.757	22.6
Head Evaluate Data (1RB) State15											
Left cheek	40	QPSK 1_1	349000/1745	100%	0.886	0.09	19.66	18.70	0.802	0.710	22.6
Left tilted	40	QPSK 1_1	349000/1745	100%	0.047	0.02	19.66	18.70	0.802	0.038	22.6
Right cheek	40	QPSK 1_1	349000/1745	100%	0.203	0.09	19.66	18.70	0.802	0.163	22.6
Right tilted	40	QPSK 1_1	349000/1745	100%	0.047	0.03	19.66	18.70	0.802	0.038	22.6

Head Evaluate Data (50%RB) State15											
Left cheek	40	QPSK 108_54	349000/1745	100%	0.713	-0.13	19.38	18.70	0.855	0.610	22.6
Left tilted	40	QPSK 108_54	349000/1745	100%	0.039	-0.09	19.38	18.70	0.855	0.033	22.6
Right cheek	40	QPSK 108_54	349000/1745	100%	0.157	0.02	19.38	18.70	0.855	0.134	22.6
Right tilted	40	QPSK 108_54	349000/1745	100%	0.039	0.12	19.38	18.70	0.855	0.033	22.6
Head Evaluate Data (100%RB) State15											
Left cheek	40	QPSK 216_0	349000/1745	100%	0.708	0.07	18.41	17.70	0.849	0.601	22.6
Body worn Test data (Separate 10mm 1RB) State3											
Front side	40	QPSK 1_1	349000/1745	100%	0.230	-0.17	23.01	24.20	1.315	0.303	22.6
Back side	40	QPSK 1_1	349000/1745	100%	0.215	0.08	23.01	24.20	1.315	0.283	22.6
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	40	QPSK 108_54	349000/1745	100%	0.218	-0.17	22.89	24.20	1.352	0.295	22.6
Back side	40	QPSK 108_54	349000/1745	100%	0.204	-0.19	22.89	24.20	1.352	0.276	22.6
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	40	QPSK 1_1	349000/1745	100%	0.230	-0.17	23.01	24.20	1.315	0.303	22.6
Back side	40	QPSK 1_1	349000/1745	100%	0.215	0.08	23.01	24.20	1.315	0.283	22.6
Right side	40	QPSK 1_1	349000/1745	100%	0.257	0.01	23.01	24.20	1.315	0.338	22.6
Top side	40	QPSK 1_1	349000/1745	100%	0.000	-0.14	23.01	24.20	1.315	0.000	22.6
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	40	QPSK 108_54	349000/1745	100%	0.218	-0.17	22.89	24.20	1.352	0.295	22.6
Back side	40	QPSK 108_54	349000/1745	100%	0.204	-0.19	22.89	24.20	1.352	0.276	22.6
Right side	40	QPSK 108_54	349000/1745	100%	0.244	-0.09	22.89	24.20	1.352	0.330	22.6
Top side	40	QPSK 108_54	349000/1745	100%	0.000	-0.01	22.89	24.20	1.352	0.000	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left cheek	349000/1745	0.886	0.878	1.009	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.

10.3.22 SAR Result of NR Band n77 (3450-3550)

SA N77 SAR Test Record											
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	100	QPSK 1_1	633334/3500	100%	0.188	0.13	16.84	18.20	1.368	0.257	22.8
Left tilted	100	QPSK 1_1	633334/3500	100%	0.141	0.08	16.84	18.20	1.368	0.193	22.8
Right cheek	100	QPSK 1_1	633334/3500	100%	0.641	0.14	16.84	18.20	1.368	0.877	22.8
Right tilted	100	QPSK 1_1	633334/3500	100%	0.334	-0.15	16.84	18.20	1.368	0.457	22.8
Head Test Data (50%RB) State3											
Left cheek	100	QPSK 135_69	633334/3500	100%	0.151	0.19	16.65	18.20	1.429	0.216	22.8
Left tilted	100	QPSK 135_69	633334/3500	100%	0.116	0.15	16.65	18.20	1.429	0.166	22.8
Right cheek	100	QPSK 135_69	633334/3500	100%	0.564	0.11	16.65	18.20	1.429	0.806	22.8
Right tilted	100	QPSK 135_69	633334/3500	100%	0.277	0.06	16.65	18.20	1.429	0.396	22.8
Head Test Data (100%RB) State3											
Right cheek	100	QPSK 270_0	633334/3500	100%	0.523	-0.17	15.71	17.20	1.409	0.737	22.8
Head Evaluate Data (1RB) State10											
Left cheek	100	QPSK 1_1	633334/3500	100%	0.188	0.13	16.84	17.70	1.219	0.229	22.8
Left tilted	100	QPSK 1_1	633334/3500	100%	0.141	0.08	16.84	17.70	1.219	0.172	22.8
Right cheek	100	QPSK 1_1	633334/3500	100%	0.641	0.14	16.84	17.70	1.219	0.781	22.8
Right tilted	100	QPSK 1_1	633334/3500	100%	0.334	-0.15	16.84	17.70	1.219	0.407	22.8
Head Evaluate Data (50%RB) State10											
Left cheek	100	QPSK 135_69	633334/3500	100%	0.151	0.19	16.65	17.70	1.274	0.192	22.8
Left tilted	100	QPSK 135_69	633334/3500	100%	0.116	0.15	16.65	17.70	1.274	0.148	22.8
Right cheek	100	QPSK 135_69	633334/3500	100%	0.564	0.11	16.65	17.70	1.274	0.718	22.8
Right tilted	100	QPSK 135_69	633334/3500	100%	0.277	0.06	16.65	17.70	1.274	0.353	22.8
Head Evaluate Data (100%RB) State10											
Right cheek	100	QPSK 270_0	633334/3500	100%	0.523	-0.17	15.71	16.70	1.256	0.657	22.8
Head Evaluate Data (1RB) State15											
Left cheek	100	QPSK 1_1	633334/3500	100%	0.188	0.13	16.84	16.70	0.968	0.182	22.8
Left tilted	100	QPSK 1_1	633334/3500	100%	0.141	0.08	16.84	16.70	0.968	0.137	22.8
Right cheek	100	QPSK 1_1	633334/3500	100%	0.641	0.14	16.84	16.70	0.968	0.621	22.8
Right tilted	100	QPSK 1_1	633334/3500	100%	0.334	-0.15	16.84	16.70	0.968	0.323	22.8
Head Evaluate Data (50%RB) State15											
Left cheek	100	QPSK 135_69	633334/3500	100%	0.151	0.19	16.65	16.70	1.012	0.153	22.8
Left tilted	100	QPSK 135_69	633334/3500	100%	0.116	0.15	16.65	16.70	1.012	0.117	22.8
Right cheek	100	QPSK 135_69	633334/3500	100%	0.564	0.11	16.65	16.70	1.012	0.571	22.8
Right tilted	100	QPSK 135_69	633334/3500	100%	0.277	0.06	16.65	16.70	1.012	0.280	22.8
Head Evaluate Data (100%RB) State15											
Right cheek	100	QPSK 270_0	633334/3500	100%	0.523	-0.17	15.71	15.70	0.998	0.522	22.8
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	100	QPSK 1_1	633334/3500	100%	0.150	0.15	16.84	18.20	1.368	0.205	22.8
Back side	100	QPSK 1_1	633334/3500	100%	0.224	-0.11	16.84	18.20	1.368	0.306	22.8
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100%	0.137	-0.02	16.65	18.20	1.429	0.196	22.8
Back side	100	QPSK 135_69	633334/3500	100%	0.218	0.14	16.65	18.20	1.429	0.311	22.8
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100%	0.150	0.15	16.84	18.20	1.368	0.205	22.8
Back side	100	QPSK 1_1	633334/3500	100%	0.224	-0.11	16.84	18.20	1.368	0.306	22.8
Left side	100	QPSK 1_1	633334/3500	100%	0.146	-0.03	16.84	18.20	1.368	0.200	22.8
Top side	100	QPSK 1_1	633334/3500	100%	0.289	0.13	16.84	18.20	1.368	0.395	22.8
Hotspot Test data (Separate 10mm 50%RB) State 3											
Front side	100	QPSK 135_69	633334/3500	100%	0.137	-0.02	16.65	18.20	1.429	0.196	22.8
Back side	100	QPSK 135_69	633334/3500	100%	0.218	0.14	16.65	18.20	1.429	0.311	22.8
Left side	100	QPSK 135_69	633334/3500	100%	0.133	-0.12	16.65	18.20	1.429	0.190	22.8

Top side	100	QPSK 135_69	633334/3500	100%	0.278	0.16	16.65	18.20	1.429	0.397	22.8
Ant 8 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	100	QPSK 1_1	633334/3500	100.0%	0.654	0.06	14.72	16.20	1.406	0.920	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.054	-0.03	14.72	16.20	1.406	0.076	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.055	0.08	14.72	16.20	1.406	0.077	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.026	0.06	14.72	16.20	1.406	0.037	22.8
Head Test Data(50%RB) State5											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.603	0.12	14.62	16.20	1.439	0.868	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.044	0.17	14.62	16.20	1.439	0.063	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.049	0.13	14.62	16.20	1.439	0.071	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.022	0.10	14.62	16.20	1.439	0.032	22.8
Head Test Data(100%RB) State5											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.567	0.12	13.65	15.20	1.429	0.810	22.8
Head Evaluate Data(1RB) State10											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.654	0.06	14.72	15.70	1.253	0.820	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.054	-0.03	14.72	15.70	1.253	0.068	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.055	0.08	14.72	15.70	1.253	0.069	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.026	0.06	14.72	15.70	1.253	0.033	22.8
Head Evaluate Data(50%RB) State10											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.603	0.12	14.62	15.70	1.282	0.773	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.044	0.17	14.62	15.70	1.282	0.056	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.049	0.13	14.62	15.70	1.282	0.063	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.022	0.10	14.62	15.70	1.282	0.028	22.8
Head Evaluate Data(100%RB) State10											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.567	0.12	13.65	14.70	1.274	0.722	22.8
Head Evaluate Data(1RB) State15											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.654	0.06	14.72	14.70	0.995	0.651	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.054	-0.03	14.72	14.70	0.995	0.054	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.055	0.08	14.72	14.70	0.995	0.055	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.026	0.06	14.72	14.70	0.995	0.026	22.8
Head Evaluate Data(50%RB) State15											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.603	0.12	14.62	14.70	1.019	0.614	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.044	0.17	14.62	14.70	1.019	0.045	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.049	0.13	14.62	14.70	1.019	0.050	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.022	0.10	14.62	14.70	1.019	0.022	22.8
Head Evaluate Data(100%RB) State15											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.567	0.12	13.65	13.70	1.012	0.574	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.138	0.03	16.67	18.20	1.422	0.196	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.238	0.06	16.67	18.20	1.422	0.339	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.131	0.14	16.63	18.20	1.435	0.188	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.216	-0.02	16.63	18.20	1.435	0.310	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.138	0.03	16.67	18.20	1.422	0.196	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.238	0.06	16.67	18.20	1.422	0.339	22.8
Right side	100	QPSK 1_1	633334/3500	100.0%	0.366	-0.05	16.67	18.20	1.422	0.521	22.8
Top side	100	QPSK 1_1	633334/3500	100.0%	0.133	-0.10	16.67	18.20	1.422	0.189	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.131	0.14	16.63	18.20	1.435	0.188	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.216	-0.02	16.63	18.20	1.435	0.310	22.8
Right side	100	QPSK 135_69	633334/3500	100.0%	0.348	0.06	16.63	18.20	1.435	0.500	22.8
Top side	100	QPSK 135_69	633334/3500	100.0%	0.124	-0.17	16.63	18.20	1.435	0.178	22.8
Ant 9 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	100	QPSK 1_1	633334/3500	100.0%	0.158	-0.15	17.39	18.70	1.352	0.214	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.057	0.15	17.39	18.70	1.352	0.077	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.575	-0.08	17.39	18.70	1.352	0.777	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.454	-0.06	17.39	18.70	1.352	0.614	22.8
Head Test Data(50%RB) State5											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.152	0.14	17.35	18.70	1.365	0.207	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.046	-0.19	17.35	18.70	1.365	0.063	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.439	-0.14	17.35	18.70	1.365	0.599	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.371	0.03	17.35	18.70	1.365	0.506	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.234	0.02	17.39	18.70	1.352	0.316	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.321	-0.12	17.39	18.70	1.352	0.434	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.217	0.18	17.35	18.70	1.365	0.296	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.313	0.15	17.35	18.70	1.365	0.427	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.234	0.02	17.39	18.70	1.352	0.316	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.321	-0.12	17.39	18.70	1.352	0.434	22.8
Left side	100	QPSK 1_1	633334/3500	100.0%	0.318	-0.03	17.39	18.70	1.352	0.430	22.8
Top side	100	QPSK 1_1	633334/3500	100.0%	0.245	0.19	17.39	18.70	1.352	0.331	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.217	0.18	17.35	18.70	1.365	0.296	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.313	0.15	17.35	18.70	1.365	0.427	22.8
Left side	100	QPSK 135_69	633334/3500	100.0%	0.300	-0.10	17.35	18.70	1.365	0.409	22.8
Top side	100	QPSK 135_69	633334/3500	100.0%	0.227	-0.04	17.35	18.70	1.365	0.310	22.8
Ant 10 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	100	QPSK 1_1	633334/3500	100.0%	0.665	-0.01	14.81	15.60	1.199	0.798	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.775	0.02	14.81	15.60	1.199	0.930	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.421	0.11	14.81	15.60	1.199	0.505	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.471	0.00	14.81	15.60	1.199	0.565	22.8
Head Test Data(50%RB) State5											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.631	0.15	14.53	15.60	1.279	0.807	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.639	0.14	14.53	15.60	1.279	0.818	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.371	-0.01	14.53	15.60	1.279	0.475	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.417	0.06	14.53	15.60	1.279	0.534	22.8
Head Test Data(100%RB) State5											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.607	-0.03	13.52	14.60	1.282	0.778	22.8
Left tilted	100	QPSK 270_0	633334/3500	100.0%	0.612	0.04	13.52	14.60	1.282	0.785	22.8
Head Evaluate Data(1RB) State10											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.665	-0.01	14.81	15.10	1.069	0.711	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.775	0.02	14.81	15.10	1.069	0.829	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.421	0.11	14.81	15.10	1.069	0.450	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.471	0.00	14.81	15.10	1.069	0.504	22.8
Head Evaluate Data(50%RB) State10											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.631	0.15	14.53	15.10	1.140	0.719	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.639	0.14	14.53	15.10	1.140	0.729	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.371	-0.01	14.53	15.10	1.140	0.423	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.417	0.06	14.53	15.10	1.140	0.475	22.8
Head Evaluate Data(100%RB) State10											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.607	-0.03	13.52	14.10	1.143	0.694	22.8

Left tilted	100	QPSK 270_0	633334/3500	100.0%	0.612	0.04	13.52	14.10	1.143	0.699	22.8
Head Evaluate Data(1RB) State15											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.665	-0.01	14.81	14.10	0.849	0.565	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.775	0.02	14.81	14.10	0.849	0.658	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.421	0.11	14.81	14.10	0.849	0.358	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.471	0.00	14.81	14.10	0.849	0.400	22.8
Head Evaluate Data(50%RB) State15											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.631	0.15	14.53	14.10	0.906	0.572	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.639	0.14	14.53	14.10	0.906	0.579	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.371	-0.01	14.53	14.10	0.906	0.336	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.417	0.06	14.53	14.10	0.906	0.378	22.8
Head Evaluate Data(100%RB) State15											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.607	-0.03	13.52	13.10	0.908	0.551	22.8
Left tilted	100	QPSK 270_0	633334/3500	100.0%	0.612	0.04	13.52	13.10	0.908	0.556	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.146	-0.10	16.26	17.10	1.213	0.177	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.287	0.02	16.26	17.10	1.213	0.348	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.122	0.11	16.10	17.10	1.259	0.154	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.270	-0.05	16.10	17.10	1.259	0.340	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.146	-0.10	16.26	17.10	1.213	0.177	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.287	0.02	16.26	17.10	1.213	0.348	22.8
Left side	100	QPSK 1_1	633334/3500	100.0%	0.076	-0.05	16.26	17.10	1.213	0.092	22.8
Right side	100	QPSK 1_1	633334/3500	100.0%	0.067	0.09	16.26	17.10	1.213	0.081	22.8
Top side	100	QPSK 1_1	633334/3500	100.0%	0.465	-0.09	16.26	17.10	1.213	0.564	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.122	0.11	16.10	17.10	1.259	0.154	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.270	-0.05	16.10	17.10	1.259	0.340	22.8
Left side	100	QPSK 135_69	633334/3500	100.0%	0.065	-0.14	16.10	17.10	1.259	0.082	22.8
Right side	100	QPSK 135_69	633334/3500	100.0%	0.067	0.04	16.10	17.10	1.259	0.084	22.8
Top side	100	QPSK 135_69	633334/3500	100.0%	0.441	0.05	16.10	17.10	1.259	0.555	22.8

10.3.23 SAR Result of NR Band n77 (3700-3980)

SA N77 SAR Test Record											
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	100	QPSK 1_1	656000/3840	100%	0.340	0.02	16.66	18.20	1.426	0.485	22.8
Left tilted	100	QPSK 1_1	656000/3840	100%	0.173	-0.18	16.66	18.20	1.426	0.247	22.8
Right cheek	100	QPSK 1_1	656000/3840	100%	0.581	-0.10	16.66	18.20	1.426	0.828	22.8
Right tilted	100	QPSK 1_1	656000/3840	100%	0.568	0.15	16.66	18.20	1.426	0.810	22.8
Head Test Data (50%RB) State5											
Left cheek	100	QPSK 135_69	656000/3840	100%	0.375	0.11	16.58	18.20	1.452	0.545	22.8
Left tilted	100	QPSK 135_69	656000/3840	100%	0.180	-0.19	16.58	18.20	1.452	0.261	22.8
Right cheek	100	QPSK 135_69	656000/3840	100%	0.613	0.01	16.58	18.20	1.452	0.890	22.8
Right tilted	100	QPSK 135_69	656000/3840	100%	0.578	-0.11	16.58	18.20	1.452	0.839	22.8
Head Test Data (100%RB) State5											
Right cheek	100	QPSK 270_0	656000/3840	100%	0.565	-0.17	15.54	17.20	1.466	0.828	22.8
Right tilted	100	QPSK 270_0	656000/3840	100%	0.546	-0.06	15.54	17.20	1.466	0.800	22.8
Head Evaluate Data (1RB) State10											
Left cheek	100	QPSK 1_1	656000/3840	100%	0.340	0.02	16.66	17.70	1.271	0.432	22.8
Left tilted	100	QPSK 1_1	656000/3840	100%	0.173	-0.18	16.66	17.70	1.271	0.220	22.8
Right cheek	100	QPSK 1_1	656000/3840	100%	0.581	-0.10	16.66	17.70	1.271	0.738	22.8
Right tilted	100	QPSK 1_1	656000/3840	100%	0.568	0.15	16.66	17.70	1.271	0.722	22.8
Head Evaluate Data (50%RB) State10											
Left cheek	100	QPSK 135_69	656000/3840	100%	0.375	0.11	16.58	17.70	1.294	0.485	22.8
Left tilted	100	QPSK 135_69	656000/3840	100%	0.180	-0.19	16.58	17.70	1.294	0.233	22.8
Right cheek	100	QPSK 135_69	656000/3840	100%	0.613	0.01	16.58	17.70	1.294	0.793	22.8
Right tilted	100	QPSK 135_69	656000/3840	100%	0.578	-0.11	16.58	17.70	1.294	0.748	22.8
Head Evaluate Data (100%RB) State10											
Right cheek	100	QPSK 270_0	656000/3840	100%	0.565	-0.17	15.54	16.70	1.306	0.738	22.8
Right tilted	100	QPSK 270_0	656000/3840	100%	0.546	-0.06	15.54	16.70	1.306	0.713	22.8
Head Evaluate Data (1RB) State15											
Left cheek	100	QPSK 1_1	656000/3840	100%	0.340	0.02	16.66	16.70	1.009	0.343	22.8
Left tilted	100	QPSK 1_1	656000/3840	100%	0.173	-0.18	16.66	16.70	1.009	0.175	22.8
Right cheek	100	QPSK 1_1	656000/3840	100%	0.581	-0.10	16.66	16.70	1.009	0.586	22.8
Right tilted	100	QPSK 1_1	656000/3840	100%	0.568	0.15	16.66	16.70	1.009	0.573	22.8
Head Evaluate Data (50%RB) State15											
Left cheek	100	QPSK 135_69	656000/3840	100%	0.375	0.11	16.58	16.70	1.028	0.386	22.8
Left tilted	100	QPSK 135_69	656000/3840	100%	0.180	-0.19	16.58	16.70	1.028	0.185	22.8
Right cheek	100	QPSK 135_69	656000/3840	100%	0.613	0.01	16.58	16.70	1.028	0.630	22.8
Right tilted	100	QPSK 135_69	656000/3840	100%	0.578	-0.11	16.58	16.70	1.028	0.594	22.8
Head Evaluate Data (100%RB) State15											
Right cheek	100	QPSK 270_0	656000/3840	100%	0.565	-0.17	15.54	15.70	1.038	0.586	22.8
Right tilted	100	QPSK 270_0	656000/3840	100%	0.546	-0.06	15.54	15.70	1.038	0.566	22.8
Body worn Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	656000/3840	100%	0.120	-0.07	16.66	18.20	1.426	0.171	22.8
Back side	100	QPSK 1_1	656000/3840	100%	0.141	0.00	16.66	18.20	1.426	0.201	22.8
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	656000/3840	100%	0.107	-0.07	16.58	18.20	1.452	0.155	22.8
Back side	100	QPSK 135_69	656000/3840	100%	0.128	-0.19	16.58	18.20	1.452	0.186	22.8
Hotspot Test data (Separate 10mm 1RB) State3											

Front side	100	QPSK 1_1	656000/3840	100%	0.120	-0.07	16.66	18.20	1.426	0.171	22.8
Back side	100	QPSK 1_1	656000/3840	100%	0.141	0.00	16.66	18.20	1.426	0.201	22.8
Left side	100	QPSK 1_1	656000/3840	100%	0.093	0.08	16.66	18.20	1.426	0.133	22.8
Top side	100	QPSK 1_1	656000/3840	100%	0.195	-0.14	16.66	18.20	1.426	0.278	22.8
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	656000/3840	100%	0.107	-0.07	16.58	18.20	1.452	0.155	22.8
Back side	100	QPSK 135_69	656000/3840	100%	0.128	-0.19	16.58	18.20	1.452	0.186	22.8
Left side	100	QPSK 135_69	656000/3840	100%	0.081	-0.17	16.58	18.20	1.452	0.118	22.8
Top side	100	QPSK 135_69	656000/3840	100%	0.170	0.03	16.58	18.20	1.452	0.247	22.8
Ant 8 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	100	QPSK 1_1	656000/3840	100.0%	0.640	-0.07	14.77	16.20	1.390	0.890	22.8
Left tilted	100	QPSK 1_1	656000/3840	100.0%	0.177	0.01	14.77	16.20	1.390	0.246	22.8
Right cheek	100	QPSK 1_1	656000/3840	100.0%	0.106	0.19	14.77	16.20	1.390	0.147	22.8
Right tilted	100	QPSK 1_1	656000/3840	100.0%	0.079	0.18	14.77	16.20	1.390	0.110	22.8
Head Test Data(50%RB) State5											
Left cheek	100	QPSK 135_69	656000/3840	100.0%	0.529	-0.04	14.65	16.20	1.429	0.756	22.8
Left tilted	100	QPSK 135_69	656000/3840	100.0%	0.150	-0.08	14.65	16.20	1.429	0.214	22.8
Right cheek	100	QPSK 135_69	656000/3840	100.0%	0.089	0.17	14.65	16.20	1.429	0.127	22.8
Right tilted	100	QPSK 135_69	656000/3840	100.0%	0.063	0.16	14.65	16.20	1.429	0.090	22.8
Head Test Data(100%RB) State5											
Left cheek	100	QPSK 270_0	656000/3840	100.0%	0.523	-0.13	13.66	15.20	1.426	0.746	22.8
Head Evaluate Data(1RB) State10											
Left cheek	100	QPSK 1_1	656000/3840	100.0%	0.640	-0.07	14.77	15.70	1.239	0.793	22.8
Left tilted	100	QPSK 1_1	656000/3840	100.0%	0.177	0.01	14.77	15.70	1.239	0.219	22.8
Right cheek	100	QPSK 1_1	656000/3840	100.0%	0.106	0.19	14.77	15.70	1.239	0.131	22.8
Right tilted	100	QPSK 1_1	656000/3840	100.0%	0.079	0.18	14.77	15.70	1.239	0.098	22.8
Head Evaluate Data(50%RB) State10											
Left cheek	100	QPSK 135_69	656000/3840	100.0%	0.529	-0.04	14.65	15.70	1.274	0.674	22.8
Left tilted	100	QPSK 135_69	656000/3840	100.0%	0.150	-0.08	14.65	15.70	1.274	0.191	22.8
Right cheek	100	QPSK 135_69	656000/3840	100.0%	0.089	0.17	14.65	15.70	1.274	0.113	22.8
Right tilted	100	QPSK 135_69	656000/3840	100.0%	0.063	0.16	14.65	15.70	1.274	0.080	22.8
Head Evaluate Data(100%RB) State10											
Left cheek	100	QPSK 270_0	656000/3840	100.0%	0.523	-0.13	13.66	14.70	1.271	0.665	22.8
Head Evaluate Data(1RB) State15											
Left cheek	100	QPSK 1_1	656000/3840	100.0%	0.640	-0.07	14.77	14.70	0.984	0.630	22.8
Left tilted	100	QPSK 1_1	656000/3840	100.0%	0.177	0.01	14.77	14.70	0.984	0.174	22.8
Right cheek	100	QPSK 1_1	656000/3840	100.0%	0.106	0.19	14.77	14.70	0.984	0.104	22.8
Right tilted	100	QPSK 1_1	656000/3840	100.0%	0.079	0.18	14.77	14.70	0.984	0.078	22.8
Head Evaluate Data(50%RB) State15											
Left cheek	100	QPSK 135_69	656000/3840	100.0%	0.529	-0.04	14.65	14.70	1.012	0.535	22.8
Left tilted	100	QPSK 135_69	656000/3840	100.0%	0.150	-0.08	14.65	14.70	1.012	0.152	22.8
Right cheek	100	QPSK 135_69	656000/3840	100.0%	0.089	0.17	14.65	14.70	1.012	0.090	22.8
Right tilted	100	QPSK 135_69	656000/3840	100.0%	0.063	0.16	14.65	14.70	1.012	0.064	22.8
Head Evaluate Data(100%RB) State15											
Left cheek	100	QPSK 270_0	656000/3840	100.0%	0.523	-0.13	13.66	13.70	1.009	0.528	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	656000/3840	100.0%	0.152	0.05	16.67	18.20	1.422	0.216	22.8
Back side	100	QPSK 1_1	656000/3840	100.0%	0.365	-0.06	16.67	18.20	1.422	0.519	22.8

Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	656000/3840	100.0%	0.136	-0.09	16.59	18.20	1.449	0.197	22.8
Back side	100	QPSK 135_69	656000/3840	100.0%	0.359	-0.07	16.59	18.20	1.449	0.520	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	656000/3840	100.0%	0.152	0.05	16.67	18.20	1.422	0.216	22.8
Back side	100	QPSK 1_1	656000/3840	100.0%	0.365	-0.06	16.67	18.20	1.422	0.519	22.8
Right side	100	QPSK 1_1	656000/3840	100.0%	0.354	0.06	16.67	18.20	1.422	0.504	22.8
Top side	100	QPSK 1_1	656000/3840	100.0%	0.122	-0.10	16.67	18.20	1.422	0.174	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	656000/3840	100.0%	0.136	-0.09	16.59	18.20	1.449	0.197	22.8
Back side	100	QPSK 135_69	656000/3840	100.0%	0.359	-0.07	16.59	18.20	1.449	0.520	22.8
Right side	100	QPSK 135_69	656000/3840	100.0%	0.338	0.03	16.59	18.20	1.449	0.490	22.8
Top side	100	QPSK 135_69	656000/3840	100.0%	0.120	-0.02	16.59	18.20	1.449	0.174	22.8
Ant 9 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	100	QPSK 1_1	656000/3840	100.0%	0.045	-0.03	17.24	18.70	1.400	0.063	22.8
Left tilted	100	QPSK 1_1	656000/3840	100.0%	0.040	0.16	17.24	18.70	1.400	0.056	22.8
Right cheek	100	QPSK 1_1	656000/3840	100.0%	0.289	0.11	17.24	18.70	1.400	0.404	22.8
Right tilted	100	QPSK 1_1	656000/3840	100.0%	0.090	-0.06	17.24	18.70	1.400	0.126	22.8
Head Test Data(50%RB) State5											
Left cheek	100	QPSK 135_69	656000/3840	100.0%	0.034	-0.18	16.98	18.70	1.486	0.051	22.8
Left tilted	100	QPSK 135_69	656000/3840	100.0%	0.032	0.12	16.98	18.70	1.486	0.048	22.8
Right cheek	100	QPSK 135_69	656000/3840	100.0%	0.175	-0.15	16.98	18.70	1.486	0.260	22.8
Right tilted	100	QPSK 135_69	656000/3840	100.0%	0.087	0.10	16.98	18.70	1.486	0.129	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	656000/3840	100.0%	0.147	0.16	17.24	18.70	1.400	0.206	22.8
Back side	100	QPSK 1_1	656000/3840	100.0%	0.235	0.10	17.24	18.70	1.400	0.329	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	656000/3840	100.0%	0.137	0.07	16.98	18.70	1.486	0.204	22.8
Back side	100	QPSK 135_69	656000/3840	100.0%	0.212	0.13	16.98	18.70	1.486	0.315	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	656000/3840	100.0%	0.147	0.16	17.24	18.70	1.400	0.206	22.8
Back side	100	QPSK 1_1	656000/3840	100.0%	0.235	0.10	17.24	18.70	1.400	0.329	22.8
Left side	100	QPSK 1_1	656000/3840	100.0%	0.315	-0.07	17.24	18.70	1.400	0.441	22.8
Top side	100	QPSK 1_1	656000/3840	100.0%	0.118	-0.04	17.24	18.70	1.400	0.165	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	656000/3840	100.0%	0.137	0.07	16.98	18.70	1.486	0.204	22.8
Back side	100	QPSK 135_69	656000/3840	100.0%	0.212	0.13	16.98	18.70	1.486	0.315	22.8
Left side	100	QPSK 135_69	656000/3840	100.0%	0.306	0.13	16.98	18.70	1.486	0.455	22.8
Top side	100	QPSK 135_69	656000/3840	100.0%	0.103	0.15	16.98	18.70	1.486	0.153	22.8
Ant 10 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	100	QPSK 1_1	656000/3840	100.0%	0.385	-0.06	14.67	15.60	1.239	0.477	22.8
Left tilted	100	QPSK 1_1	656000/3840	100.0%	0.455	-0.02	14.67	15.60	1.239	0.564	22.8
Right cheek	100	QPSK 1_1	656000/3840	100.0%	0.289	-0.02	14.67	15.60	1.239	0.358	22.8
Right tilted	100	QPSK 1_1	656000/3840	100.0%	0.280	-0.03	14.67	15.60	1.239	0.347	22.8
Head Test Data(50%RB) State5											

Left cheek	100	QPSK 135_69	656000/3840	100.0%	0.289	-0.11	14.50	15.60	1.288	0.372	22.8
Left tilted	100	QPSK 135_69	656000/3840	100.0%	0.323	-0.05	14.50	15.60	1.288	0.416	22.8
Right cheek	100	QPSK 135_69	656000/3840	100.0%	0.238	-0.04	14.50	15.60	1.288	0.307	22.8
Right tilted	100	QPSK 135_69	656000/3840	100.0%	0.229	0.01	14.50	15.60	1.288	0.295	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	656000/3840	100.0%	0.101	0.04	16.20	17.10	1.230	0.124	22.8
Back side	100	QPSK 1_1	656000/3840	100.0%	0.194	-0.15	16.20	17.10	1.230	0.239	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	656000/3840	100.0%	0.089	0.04	16.22	17.10	1.225	0.109	22.8
Back side	100	QPSK 135_69	656000/3840	100.0%	0.188	-0.14	16.22	17.10	1.225	0.230	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	656000/3840	100.0%	0.101	0.04	16.20	17.10	1.230	0.124	22.8
Back side	100	QPSK 1_1	656000/3840	100.0%	0.194	-0.15	16.20	17.10	1.230	0.239	22.8
Left side	100	QPSK 1_1	656000/3840	100.0%	0.071	0.17	16.20	17.10	1.230	0.087	22.8
Right side	100	QPSK 1_1	656000/3840	100.0%	0.087	0.18	16.20	17.10	1.230	0.107	22.8
Top side	100	QPSK 1_1	656000/3840	100.0%	0.293	0.03	16.20	17.10	1.230	0.360	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	656000/3840	100.0%	0.089	0.04	16.22	17.10	1.225	0.109	22.8
Back side	100	QPSK 135_69	656000/3840	100.0%	0.188	-0.14	16.22	17.10	1.225	0.230	22.8
Left side	100	QPSK 135_69	656000/3840	100.0%	0.064	0.15	16.22	17.10	1.225	0.078	22.8
Right side	100	QPSK 135_69	656000/3840	100.0%	0.080	0.02	16.22	17.10	1.225	0.098	22.8
Top side	100	QPSK 135_69	656000/3840	100.0%	0.278	-0.12	16.22	17.10	1.225	0.340	22.8

10.3.24 SAR Result of NR Band n78 (3450-3550)

SA N78 SAR Test Record											
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)State 5											
Left cheek	100	QPSK 1_1	633334/3500	100%	0.232	-0.19	15.43	16.50	1.279	0.297	22.8
Left tilted	100	QPSK 1_1	633334/3500	100%	0.091	-0.04	15.43	16.50	1.279	0.116	22.8
Right cheek	100	QPSK 1_1	633334/3500	100%	0.381	0.00	15.43	16.50	1.279	0.487	22.8
Right tilted	100	QPSK 1_1	633334/3500	100%	0.330	0.07	15.43	16.50	1.279	0.422	22.8
Head Test Data (50%RB)State 5											
Left cheek	100	QPSK 135_69	633334/3500	100%	0.231	0.19	15.23	16.50	1.340	0.309	22.8
Left tilted	100	QPSK 135_69	633334/3500	100%	0.098	-0.19	15.23	16.50	1.340	0.131	22.8
Right cheek	100	QPSK 135_69	633334/3500	100%	0.405	-0.19	15.23	16.50	1.340	0.543	22.8
Right tilted	100	QPSK 135_69	633334/3500	100%	0.344	0.06	15.23	16.50	1.340	0.461	22.8
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	100	QPSK 1_1	633334/3500	100%	0.119	-0.01	14.91	16.00	1.285	0.153	22.8
Back side	100	QPSK 1_1	633334/3500	100%	0.117	0.12	14.91	16.00	1.285	0.150	22.8
Body worn Test data (Separate 10mm 50%RB) State 3											
Front side	100	QPSK 135_69	633334/3500	100%	0.105	0.13	14.70	16.00	1.349	0.142	22.8
Back side	100	QPSK 135_69	633334/3500	100%	0.110	-0.09	14.70	16.00	1.349	0.148	22.8
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100%	0.119	-0.01	14.91	16.00	1.285	0.153	22.8
Back side	100	QPSK 1_1	633334/3500	100%	0.117	0.12	14.91	16.00	1.285	0.150	22.8
Left side	100	QPSK 1_1	633334/3500	100%	0.110	-0.04	14.91	16.00	1.285	0.141	22.8
Top side	100	QPSK 1_1	633334/3500	100%	0.179	0.12	14.91	16.00	1.285	0.230	22.8
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100%	0.105	0.13	14.70	16.00	1.349	0.142	22.8
Back side	100	QPSK 135_69	633334/3500	100%	0.110	-0.09	14.70	16.00	1.349	0.148	22.8
Left side	100	QPSK 135_69	633334/3500	100%	0.106	-0.09	14.70	16.00	1.349	0.143	22.8
Top side	100	QPSK 135_69	633334/3500	100%	0.165	-0.18	14.70	16.00	1.349	0.223	22.8
Ant 8 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)State 5											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.563	-0.13	14.93	16.00	1.279	0.720	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.094	0.07	14.93	16.00	1.279	0.120	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.086	-0.04	14.93	16.00	1.279	0.110	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.096	0.08	14.93	16.00	1.279	0.123	22.8
Head Test Data(50%RB)State 5											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.531	-0.14	14.79	16.00	1.321	0.702	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.079	0.05	14.79	16.00	1.321	0.104	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.065	-0.17	14.79	16.00	1.321	0.086	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.080	0.05	14.79	16.00	1.321	0.106	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.081	-0.15	14.41	15.50	1.285	0.104	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.144	-0.13	14.41	15.50	1.285	0.185	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.074	0.10	14.26	15.50	1.330	0.098	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.133	0.19	14.26	15.50	1.330	0.177	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.081	-0.15	14.41	15.50	1.285	0.104	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.144	-0.13	14.41	15.50	1.285	0.185	22.8
Right side	100	QPSK 1_1	633334/3500	100.0%	0.221	-0.08	14.41	15.50	1.285	0.284	22.8
Top side	100	QPSK 1_1	633334/3500	100.0%	0.081	-0.04	14.41	15.50	1.285	0.104	22.8

Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.074	0.10	14.26	15.50	1.330	0.098	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.133	0.19	14.26	15.50	1.330	0.177	22.8
Right side	100	QPSK 135_69	633334/3500	100.0%	0.216	0.13	14.26	15.50	1.330	0.287	22.8
Top side	100	QPSK 135_69	633334/3500	100.0%	0.074	-0.04	14.26	15.50	1.330	0.098	22.8
Ant 9 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)State 5											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.061	0.10	13.47	14.90	1.390	0.085	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.066	0.08	13.47	14.90	1.390	0.092	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.470	-0.02	13.47	14.90	1.390	0.653	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.199	-0.02	13.47	14.90	1.390	0.277	22.8
Head Test Data(50%RB)State 5											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.431	-0.16	13.34	14.90	1.432	0.617	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.052	0.09	13.34	14.90	1.432	0.074	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.358	0.07	13.34	14.90	1.432	0.513	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.145	0.02	13.34	14.90	1.432	0.208	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.103	-0.15	13.95	15.40	1.396	0.144	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.150	0.04	13.95	15.40	1.396	0.209	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.095	0.10	13.87	15.40	1.422	0.135	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.143	0.02	13.87	15.40	1.422	0.203	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.103	-0.15	13.95	15.40	1.396	0.144	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.150	0.04	13.95	15.40	1.396	0.209	22.8
Left side	100	QPSK 1_1	633334/3500	100.0%	0.166	0.10	13.95	15.40	1.396	0.232	22.8
Top side	100	QPSK 1_1	633334/3500	100.0%	0.139	-0.07	13.95	15.40	1.396	0.194	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.095	0.10	13.87	15.40	1.422	0.135	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.143	0.02	13.87	15.40	1.422	0.203	22.8
Left side	100	QPSK 135_69	633334/3500	100.0%	0.154	0.10	13.87	15.40	1.422	0.219	22.8
Top side	100	QPSK 135_69	633334/3500	100.0%	0.128	0.02	13.87	15.40	1.422	0.182	22.8
Ant 10 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) State 5											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.759	0.07	16.47	17.20	1.183	0.898	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.671	-0.14	16.47	17.20	1.183	0.794	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.639	-0.17	16.47	17.20	1.183	0.756	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.495	0.08	16.47	17.20	1.183	0.586	22.8
Head Test Data(50%RB) State 5											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.867	-0.12	16.36	17.20	1.213	1.052	22.8
Left cheek-Repeat SAR	100	QPSK 135_69	633334/3500	100.0%	0.858	0.11	16.36	17.20	1.213	1.041	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.704	0.14	16.36	17.20	1.213	0.854	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.667	-0.02	16.36	17.20	1.213	0.809	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.508	0.01	16.36	17.20	1.213	0.616	22.8
Head Test Data(100%RB) State 5											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.811	-0.16	15.41	16.20	1.199	0.973	22.8
Left tilted	100	QPSK 270_0	633334/3500	100.0%	0.684	0.07	15.41	16.20	1.199	0.820	22.8
Right cheek	100	QPSK 270_0	633334/3500	100.0%	0.655	0.10	15.41	16.20	1.199	0.786	22.8
Head Evaluate Data(1RB) State 10											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.759	0.07	16.47	16.20	0.940	0.713	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.671	-0.14	16.47	16.20	0.940	0.631	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.639	-0.17	16.47	16.20	0.940	0.600	22.8

Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.495	0.08	16.47	16.20	0.940	0.465	22.8
Head Evaluate Data(50%RB) State 10											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.867	-0.12	16.36	16.20	0.964	0.836	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.704	0.14	16.36	16.20	0.964	0.679	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.667	-0.02	16.36	16.20	0.964	0.643	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.508	0.01	16.36	16.20	0.964	0.490	22.8
Head Evaluate Data(100%RB) State 10											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.811	-0.16	15.41	15.20	0.953	0.773	22.8
Left tilted	100	QPSK 270_0	633334/3500	100.0%	0.684	0.07	15.41	15.20	0.953	0.652	22.8
Right cheek	100	QPSK 270_0	633334/3500	100.0%	0.655	0.10	15.41	15.20	0.953	0.624	22.8
Head Evaluate Data(1RB) State 15											
Left cheek	100	QPSK 1_1	633334/3500	100.0%	0.759	0.07	16.47	15.20	0.746	0.567	22.8
Left tilted	100	QPSK 1_1	633334/3500	100.0%	0.671	-0.14	16.47	15.20	0.746	0.501	22.8
Right cheek	100	QPSK 1_1	633334/3500	100.0%	0.639	-0.17	16.47	15.20	0.746	0.477	22.8
Right tilted	100	QPSK 1_1	633334/3500	100.0%	0.495	0.08	16.47	15.20	0.746	0.369	22.8
Head Evaluate Data(50%RB) State 15											
Left cheek	100	QPSK 135_69	633334/3500	100.0%	0.867	-0.12	16.36	15.20	0.766	0.664	22.8
Left tilted	100	QPSK 135_69	633334/3500	100.0%	0.704	0.14	16.36	15.20	0.766	0.539	22.8
Right cheek	100	QPSK 135_69	633334/3500	100.0%	0.667	-0.02	16.36	15.20	0.766	0.511	22.8
Right tilted	100	QPSK 135_69	633334/3500	100.0%	0.508	0.01	16.36	15.20	0.766	0.389	22.8
Head Evaluate Data(100%RB) State 15											
Left cheek	100	QPSK 270_0	633334/3500	100.0%	0.811	-0.16	15.41	14.20	0.757	0.614	22.8
Left tilted	100	QPSK 270_0	633334/3500	100.0%	0.684	0.07	15.41	14.20	0.757	0.518	22.8
Right cheek	100	QPSK 270_0	633334/3500	100.0%	0.655	0.10	15.41	14.20	0.757	0.496	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.130	-0.12	14.49	15.20	1.178	0.153	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.263	0.12	14.49	15.20	1.178	0.310	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.118	-0.09	14.36	15.20	1.213	0.143	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.254	-0.05	14.36	15.20	1.213	0.308	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	633334/3500	100.0%	0.130	-0.12	14.49	15.20	1.178	0.153	22.8
Back side	100	QPSK 1_1	633334/3500	100.0%	0.263	0.12	14.49	15.20	1.178	0.310	22.8
Left side	100	QPSK 1_1	633334/3500	100.0%	0.093	0.01	14.49	15.20	1.178	0.110	22.8
Right side	100	QPSK 1_1	633334/3500	100.0%	0.122	0.02	14.49	15.20	1.178	0.144	22.8
Top side	100	QPSK 1_1	633334/3500	100.0%	0.464	-0.02	14.49	15.20	1.178	0.546	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	633334/3500	100.0%	0.118	-0.09	14.36	15.20	1.213	0.143	22.8
Back side	100	QPSK 135_69	633334/3500	100.0%	0.254	-0.05	14.36	15.20	1.213	0.308	22.8
Left side	100	QPSK 135_69	633334/3500	100.0%	0.080	-0.03	14.36	15.20	1.213	0.097	22.8
Right side	100	QPSK 135_69	633334/3500	100.0%	0.108	0.07	14.36	15.20	1.213	0.131	22.8
Top side	100	QPSK 135_69	633334/3500	100.0%	0.444	0.08	14.36	15.20	1.213	0.539	22.8

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Left cheek	633334/3500	0.867	0.858	1.010	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 (~ 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.						

10.3.25 SAR Result of NR Band n78 (3700-3800)

SA N78 SAR Test Record											
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)State 5											
Left cheek	100	QPSK 1_1	650000/3750	100%	0.213	0.12	15.78	16.50	1.180	0.251	22.8
Left tilted	100	QPSK 1_1	650000/3750	100%	0.197	0.07	15.78	16.50	1.180	0.233	22.8
Right cheek	100	QPSK 1_1	650000/3750	100%	0.455	-0.01	15.78	16.50	1.180	0.537	22.8
Right tilted	100	QPSK 1_1	650000/3750	100%	0.389	-0.07	15.78	16.50	1.180	0.459	22.8
Head Test Data (50%RB)State 5											
Left cheek	100	QPSK 135_69	650000/3750	100%	0.243	0.04	15.59	16.50	1.233	0.300	22.8
Left tilted	100	QPSK 135_69	650000/3750	100%	0.216	-0.06	15.59	16.50	1.233	0.266	22.8
Right cheek	100	QPSK 135_69	650000/3750	100%	0.497	-0.16	15.59	16.50	1.233	0.613	22.8
Right tilted	100	QPSK 135_69	650000/3750	100%	0.411	0.01	15.59	16.50	1.233	0.507	22.8
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	100	QPSK 1_1	650000/3750	100%	0.077	0.18	15.32	16.00	1.169	0.090	22.8
Back side	100	QPSK 1_1	650000/3750	100%	0.094	0.02	15.32	16.00	1.169	0.110	22.8
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	650000/3750	100%	0.072	0.16	15.14	16.00	1.219	0.088	22.8
Back side	100	QPSK 135_69	650000/3750	100%	0.089	0.14	15.14	16.00	1.219	0.108	22.8
Hotspot Test data (Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	650000/3750	100%	0.077	0.18	15.32	16.00	1.169	0.090	22.8
Back side	100	QPSK 1_1	650000/3750	100%	0.094	0.02	15.32	16.00	1.169	0.110	22.8
Left side	100	QPSK 1_1	650000/3750	100%	0.082	-0.13	15.32	16.00	1.169	0.096	22.8
Top side	100	QPSK 1_1	650000/3750	100%	0.138	0.15	15.32	16.00	1.169	0.161	22.8
Hotspot Test data (Separate 10mm 50%RB) State 3											
Front side	100	QPSK 135_69	650000/3750	100%	0.072	0.16	15.14	16.00	1.219	0.088	22.8
Back side	100	QPSK 135_69	650000/3750	100%	0.089	0.14	15.14	16.00	1.219	0.108	22.8
Left side	100	QPSK 135_69	650000/3750	100%	0.075	-0.18	15.14	16.00	1.219	0.091	22.8
Top side	100	QPSK 135_69	650000/3750	100%	0.133	-0.14	15.14	16.00	1.219	0.162	22.8
Ant8 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)State 5											
Left cheek	100	QPSK 1_1	650000/3750	100%	0.487	-0.11	15.04	16.00	1.247	0.607	22.8
Left tilted	100	QPSK 1_1	650000/3750	100%	0.129	-0.08	15.04	16.00	1.247	0.161	22.8
Right cheek	100	QPSK 1_1	650000/3750	100%	0.088	-0.16	15.04	16.00	1.247	0.110	22.8
Right tilted	100	QPSK 1_1	650000/3750	100%	0.019	0.15	15.04	16.00	1.247	0.024	22.8
Head Test Data (50%RB)State 5											
Left cheek	100	QPSK 135_69	650000/3750	100%	0.524	-0.01	14.85	16.00	1.303	0.683	22.8
Left tilted	100	QPSK 135_69	650000/3750	100%	0.156	-0.14	14.85	16.00	1.303	0.203	22.8
Right cheek	100	QPSK 135_69	650000/3750	100%	0.096	-0.07	14.85	16.00	1.303	0.125	22.8
Right tilted	100	QPSK 135_69	650000/3750	100%	0.017	0.03	14.85	16.00	1.303	0.022	22.8
Body worn Test data (Separate 10mm 1RB) State 3											
Front side	100	QPSK 1_1	650000/3750	100%	0.093	0.12	14.54	15.50	1.247	0.116	22.8
Back side	100	QPSK 1_1	650000/3750	100%	0.231	-0.07	14.54	15.50	1.247	0.288	22.8
Body worn Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	650000/3750	100%	0.085	-0.10	14.37	15.50	1.297	0.110	22.8
Back side	100	QPSK 135_69	650000/3750	100%	0.224	0.18	14.37	15.50	1.297	0.291	22.8
Hotspot Test data (Separate 10mm 1RB) State3											

Front side	100	QPSK 1_1	650000/3750	100%	0.093	0.12	14.54	15.50	1.247	0.116	22.8
Back side	100	QPSK 1_1	650000/3750	100%	0.231	-0.07	14.54	15.50	1.247	0.288	22.8
Right side	100	QPSK 1_1	650000/3750	100%	0.202	0.18	14.54	15.50	1.247	0.252	22.8
Top side	100	QPSK 1_1	650000/3750	100%	0.055	-0.09	14.54	15.50	1.247	0.069	22.8
Hotspot Test data (Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	650000/3750	100%	0.085	-0.10	14.37	15.50	1.297	0.110	22.8
Back side	100	QPSK 135_69	650000/3750	100%	0.224	0.18	14.37	15.50	1.297	0.291	22.8
Right side	100	QPSK 135_69	650000/3750	100%	0.193	-0.07	14.37	15.50	1.297	0.250	22.8
Top side	100	QPSK 135_69	650000/3750	100%	0.050	0.15	14.37	15.50	1.297	0.065	22.8
Ant 9 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)State 5											
Left cheek	100	QPSK 1_1	650000/3750	100.0%	0.074	-0.11	13.50	14.90	1.380	0.102	22.8
Left tilted	100	QPSK 1_1	650000/3750	100.0%	0.056	-0.11	13.50	14.90	1.380	0.077	22.8
Right cheek	100	QPSK 1_1	650000/3750	100.0%	0.251	0.07	13.50	14.90	1.380	0.346	22.8
Right tilted	100	QPSK 1_1	650000/3750	100.0%	0.124	-0.02	13.50	14.90	1.380	0.171	22.8
Head Test Data(50%RB)State 5											
Left cheek	100	QPSK 135_69	650000/3750	100.0%	0.046	-0.13	13.28	14.90	1.452	0.067	22.8
Left tilted	100	QPSK 135_69	650000/3750	100.0%	0.031	-0.05	13.28	14.90	1.452	0.045	22.8
Right cheek	100	QPSK 135_69	650000/3750	100.0%	0.176	0.16	13.28	14.90	1.452	0.256	22.8
Right tilted	100	QPSK 135_69	650000/3750	100.0%	0.089	-0.13	13.28	14.90	1.452	0.129	22.8
Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	650000/3750	100.0%	0.068	-0.10	13.96	15.40	1.393	0.095	22.8
Back side	100	QPSK 1_1	650000/3750	100.0%	0.089	0.16	13.96	15.40	1.393	0.124	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	650000/3750	100.0%	0.061	0.13	13.80	15.40	1.445	0.088	22.8
Back side	100	QPSK 135_69	650000/3750	100.0%	0.085	0.04	13.80	15.40	1.445	0.123	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	650000/3750	100.0%	0.068	-0.10	13.96	15.40	1.393	0.095	22.8
Back side	100	QPSK 1_1	650000/3750	100.0%	0.089	0.16	13.96	15.40	1.393	0.124	22.8
Left side	100	QPSK 1_1	650000/3750	100.0%	0.147	0.09	13.96	15.40	1.393	0.205	22.8
Top side	100	QPSK 1_1	650000/3750	100.0%	0.059	-0.13	13.96	15.40	1.393	0.082	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	650000/3750	100.0%	0.061	0.13	13.80	15.40	1.445	0.088	22.8
Back side	100	QPSK 135_69	650000/3750	100.0%	0.085	0.04	13.80	15.40	1.445	0.123	22.8
Left side	100	QPSK 135_69	650000/3750	100.0%	0.133	-0.18	13.80	15.40	1.445	0.192	22.8
Top side	100	QPSK 135_69	650000/3750	100.0%	0.052	0.09	13.80	15.40	1.445	0.075	22.8
Ant 10 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)State 5											
Left cheek	100	QPSK 1_1	650000/3750	100.0%	0.589	0.18	16.61	17.20	1.146	0.675	22.8
Left tilted	100	QPSK 1_1	650000/3750	100.0%	0.445	-0.08	16.61	17.20	1.146	0.510	22.8
Right cheek	100	QPSK 1_1	650000/3750	100.0%	0.362	0.18	16.61	17.20	1.146	0.415	22.8
Right tilted	100	QPSK 1_1	650000/3750	100.0%	0.357	0.03	16.61	17.20	1.146	0.409	22.8
Head Test Data(50%RB)State 5											
Left cheek	100	QPSK 135_69	650000/3750	100.0%	0.436	-0.13	16.46	17.20	1.186	0.517	22.8
Left tilted	100	QPSK 135_69	650000/3750	100.0%	0.330	0.03	16.46	17.20	1.186	0.391	22.8
Right cheek	100	QPSK 135_69	650000/3750	100.0%	0.316	0.13	16.46	17.20	1.186	0.375	22.8
Right tilted	100	QPSK 135_69	650000/3750	100.0%	0.276	0.00	16.46	17.20	1.186	0.327	22.8

Body worn Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	650000/3750	100.0%	0.075	-0.09	14.28	15.20	1.236	0.093	22.8
Back side	100	QPSK 1_1	650000/3750	100.0%	0.120	-0.03	14.28	15.20	1.236	0.148	22.8
Body worn Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	650000/3750	100.0%	0.070	-0.01	14.22	15.20	1.253	0.088	22.8
Back side	100	QPSK 135_69	650000/3750	100.0%	0.112	0.18	14.22	15.20	1.253	0.140	22.8
Hotspot Test data(Separate 10mm 1RB) State3											
Front side	100	QPSK 1_1	650000/3750	100.0%	0.075	-0.09	14.28	15.20	1.236	0.093	22.8
Back side	100	QPSK 1_1	650000/3750	100.0%	0.120	-0.03	14.28	15.20	1.236	0.148	22.8
Left side	100	QPSK 1_1	650000/3750	100.0%	0.059	-0.08	14.28	15.20	1.236	0.073	22.8
Right side	100	QPSK 1_1	650000/3750	100.0%	0.072	-0.18	14.28	15.20	1.236	0.089	22.8
Top side	100	QPSK 1_1	650000/3750	100.0%	0.210	0.15	14.28	15.20	1.236	0.260	22.8
Hotspot Test data(Separate 10mm 50%RB) State3											
Front side	100	QPSK 135_69	650000/3750	100.0%	0.070	-0.01	14.22	15.20	1.253	0.088	22.8
Back side	100	QPSK 135_69	650000/3750	100.0%	0.112	0.18	14.22	15.20	1.253	0.140	22.8
Left side	100	QPSK 135_69	650000/3750	100.0%	0.052	-0.06	14.22	15.20	1.253	0.065	22.8
Right side	100	QPSK 135_69	650000/3750	100.0%	0.063	-0.16	14.22	15.20	1.253	0.079	22.8
Top side	100	QPSK 135_69	650000/3750	100.0%	0.202	0.02	14.22	15.20	1.253	0.253	22.8

10.3.26 SAR Result of WIFI 2.4G

Wi-Fi 2.4G SAR Test Record											
Ant12 Test Record chain0											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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											
Left cheek	802.11b	6/2437	100.00%	1.000	0.186	-0.03	13.11	14.00	1.227	0.228	22.5
Left tilted	802.11b	6/2437	100.00%	1.000	0.149	-0.11	13.11	14.00	1.227	0.183	22.5
Right cheek	802.11b	6/2437	100.00%	1.000	0.091	-0.12	13.11	14.00	1.227	0.112	22.5
Right tilted	802.11b	6/2437	100.00%	1.000	0.104	0.13	13.11	14.00	1.227	0.128	22.5
Head Evaluate Data For Simultaneous											
Left cheek	802.11b	6/2437	100.00%	1.000	0.186	-0.03	13.11	11.00	0.615	0.114	22.5
Left tilted	802.11b	6/2437	100.00%	1.000	0.149	-0.11	13.11	11.00	0.615	0.092	22.5
Right cheek	802.11b	6/2437	100.00%	1.000	0.091	-0.12	13.11	11.00	0.615	0.056	22.5
Right tilted	802.11b	6/2437	100.00%	1.000	0.104	0.13	13.11	11.00	0.615	0.064	22.5
Body worn Test data (Separate 10mm)											
Front side	802.11b	6/2437	100.00%	1.000	0.037	0.00	14.64	15.50	1.219	0.045	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.046	-0.15	14.64	15.50	1.219	0.056	22.5
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	100.00%	1.000	0.037	0.00	14.64	15.50	1.219	0.045	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.046	-0.15	14.64	15.50	1.219	0.056	22.5
Right side	802.11b	6/2437	100.00%	1.000	0.037	-0.14	14.64	15.50	1.219	0.045	22.5
Top side	802.11b	6/2437	100.00%	1.000	0.082	-0.04	14.64	15.50	1.219	0.100	22.5
Ant7 Test Record chain1											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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											
Left cheek	802.11b	6/2437	100.00%	1.000	0.083	0.07	13.16	14.00	1.213	0.101	22.5
Left tilted	802.11b	6/2437	100.00%	1.000	0.000	-0.08	13.16	14.00	1.213	0.000	22.5
Right cheek	802.11b	6/2437	100.00%	1.000	0.049	0.00	13.16	14.00	1.213	0.059	22.5
Right tilted	802.11b	6/2437	100.00%	1.000	0.000	0.11	13.16	14.00	1.213	0.000	22.5
Head Evaluate Data For Simultaneous											
Left cheek	802.11b	6/2437	100.00%	1.000	0.083	0.07	13.16	11.00	0.608	0.050	22.5
Left tilted	802.11b	6/2437	100.00%	1.000	0.000	-0.08	13.16	11.00	0.608	0.000	22.5
Right cheek	802.11b	6/2437	100.00%	1.000	0.049	0.00	13.16	11.00	0.608	0.030	22.5
Right tilted	802.11b	6/2437	100.00%	1.000	0.000	0.11	13.16	11.00	0.608	0.000	22.5
Body worn Test data (Separate 10mm)											
Front side	802.11b	6/2437	100.00%	1.000	0.040	-0.02	14.75	15.50	1.189	0.048	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.052	0.13	14.75	15.50	1.189	0.062	22.5
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	100.00%	1.000	0.040	-0.02	14.75	15.50	1.189	0.048	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.052	0.13	14.75	15.50	1.189	0.062	22.5
Right side	802.11b	6/2437	100.00%	1.000	0.088	0.03	14.75	15.50	1.189	0.105	22.5
Top side	802.11b	6/2437	100.00%	1.000	0.000	0.03	14.75	15.50	1.189	0.000	22.5
MIMO Test Record											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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											

Left cheek	802.11b	6/2437	100.00%	1.000	0.197	0.15	16.15	17.00	1.217	0.240	22.5
Left tilted	802.11b	6/2437	100.00%	1.000	0.169	0.19	16.15	17.00	1.217	0.206	22.5
Right cheek	802.11b	6/2437	100.00%	1.000	0.088	-0.17	16.15	17.00	1.217	0.107	22.5
Right tilted	802.11b	6/2437	100.00%	1.000	0.133	0.11	16.15	17.00	1.217	0.162	22.5
Head Evaluate Data For Simultaneous											
Left cheek	802.11b	6/2437	100.00%	1.000	0.197	0.15	16.15	14.00	0.610	0.120	22.5
Left tilted	802.11b	6/2437	100.00%	1.000	0.169	0.19	16.15	14.00	0.610	0.103	22.5
Right cheek	802.11b	6/2437	100.00%	1.000	0.088	-0.17	16.15	14.00	0.610	0.054	22.5
Right tilted	802.11b	6/2437	100.00%	1.000	0.133	0.11	16.15	14.00	0.610	0.081	22.5
Body worn Test data (Separate 10mm)											
Front side	802.11b	6/2437	100.00%	1.000	0.064	0.14	17.71	18.50	1.201	0.077	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.075	0.02	17.71	18.50	1.201	0.090	22.5
Hotspot Test data (Separate 10mm)											
Front side	802.11b	6/2437	100.00%	1.000	0.064	0.14	17.71	18.50	1.201	0.077	22.5
Back side	802.11b	6/2437	100.00%	1.000	0.075	0.02	17.71	18.50	1.201	0.090	22.5
Right side	802.11b	6/2437	100.00%	1.000	0.151	0.09	17.71	18.50	1.201	0.181	22.5
Top side	802.11b	6/2437	100.00%	1.000	0.081	0.13	17.71	18.50	1.201	0.097	22.5

10.3.27 SAR Result of WIFI 5G

Wi-Fi 5G SAR Test Record											
Ant10 Test Record chain0											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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 of U-NII-2A											
Left cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.338	0.12	11.57	12.50	1.239	0.419	22.6
Left tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.520	0.09	11.57	12.50	1.239	0.644	22.6
Right cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.205	-0.11	11.57	12.50	1.239	0.254	22.6
Right tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.383	-0.18	11.57	12.50	1.239	0.474	22.6
Head Test Data of U-NII-2C											
Left cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.496	-0.13	11.03	12.00	1.250	0.620	22.6
Left tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.617	-0.08	11.03	12.00	1.250	0.771	22.6
Right cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.231	-0.06	11.03	12.00	1.250	0.289	22.6
Right tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.389	-0.13	11.03	12.00	1.250	0.486	22.6
Head Test Data of U-NII-3											
Left cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.494	-0.19	11.52	12.50	1.253	0.619	22.6
Left tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.445	-0.13	11.52	12.50	1.253	0.558	22.6
Right cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.226	0.06	11.52	12.50	1.253	0.283	22.6
Right tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.282	0.01	11.52	12.50	1.253	0.353	22.6
Head Evaluate Data of U-NII-2A For Simultaneous											
Left cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.338	0.12	11.57	10.00	0.697	0.235	22.6
Left tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.520	0.09	11.57	10.00	0.697	0.362	22.6
Right cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.205	-0.11	11.57	10.00	0.697	0.143	22.6
Right tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.383	-0.18	11.57	10.00	0.697	0.267	22.6
Head Evaluate Data of U-NII-2C For Simultaneous											
Left cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.496	-0.13	11.03	9.00	0.627	0.311	22.6
Left tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.617	-0.08	11.03	9.00	0.627	0.387	22.6
Right cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.231	-0.06	11.03	9.00	0.627	0.145	22.6
Right tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.389	-0.13	11.03	9.00	0.627	0.244	22.6
Head Evaluate Data of U-NII-3 For Simultaneous											
Left cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.494	-0.19	11.52	9.50	0.628	0.310	22.6
Left tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.445	-0.13	11.52	9.50	0.628	0.279	22.6
Right cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.226	0.06	11.52	9.50	0.628	0.142	22.6
Right tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.282	0.01	11.52	9.50	0.628	0.177	22.6
Body worn Test data of U-NII-1 (Separate 10mm)											
Front side	802.11ac VHT80	42/5210	100.00%	1.000	0.090	-0.14	14.11	15.00	1.227	0.110	22.6
Back side	802.11ac VHT80	42/5210	100.00%	1.000	0.165	-0.10	14.11	15.00	1.227	0.203	22.6
Body worn Test data of U-NII-2A (Separate 10mm)											
Front side	802.11ac VHT160	50/5250	100.00%	1.000	0.101	0.16	13.55	14.50	1.245	0.126	22.6
Back side	802.11ac VHT160	50/5250	100.00%	1.000	0.134	-0.15	13.55	14.50	1.245	0.167	22.6
Body worn Test data of U-NII-2C (Separate 10mm)											
Front side	802.11ac VHT160	114/5570	100.00%	1.000	0.227	-0.11	15.14	16.00	1.219	0.277	22.6
Back side	802.11ac VHT160	114/5570	100.00%	1.000	0.268	0.01	15.14	16.00	1.219	0.327	22.6
Body worn Test data of U-NII-3 (Separate 10mm)											
Front side	802.11ac VHT80	155/5775	100.00%	1.000	0.112	0.03	15.14	16.00	1.219	0.137	22.6
Back side	802.11ac VHT80	155/5775	100.00%	1.000	0.141	-0.11	15.14	16.00	1.219	0.172	22.6
Hotspot Test data of U-NII-1 (Separate 10mm)											
Front side	802.11ac VHT80	42/5210	100.00%	1.000	0.090	0.00	14.11	15.00	1.227	0.110	22.6

Back side	802.11ac VHT80	42/5210	100.00%	1.000	0.165	-0.10	14.11	15.00	1.227	0.203	22.6
Right side	802.11ac VHT80	42/5210	100.00%	1.000	0.077	0.09	14.11	15.00	1.227	0.095	22.6
Top side	802.11ac VHT80	42/5210	100.00%	1.000	0.213	0.06	14.11	15.00	1.227	0.261	22.6
Hotspot Test data of U-NII-3 (Separate 10mm)											
Front side	802.11ac VHT80	155/5775	100.00%	1.000	0.112	0.09	15.14	16.00	1.219	0.137	22.6
Back side	802.11ac VHT80	155/5775	100.00%	1.000	0.141	0.13	15.14	16.00	1.219	0.172	22.6
Right side	802.11ac VHT80	155/5775	100.00%	1.000	0.139	-0.11	15.14	16.00	1.219	0.169	22.6
Top side	802.11ac VHT80	155/5775	100.00%	1.000	0.355	0.02	15.14	16.00	1.219	0.433	22.6
Hotspot Evaluate data of U-NII-1 (Separate 10mm) For Simultaneous											
Front side	802.11ac VHT80	42/5210	100.00%	1.000	0.090	0.00	14.11	13.00	0.774	0.070	22.6
Back side	802.11ac VHT80	42/5210	100.00%	1.000	0.165	-0.10	14.11	13.00	0.774	0.128	22.6
Right side	802.11ac VHT80	42/5210	100.00%	1.000	0.077	0.09	14.11	13.00	0.774	0.060	22.6
Top side	802.11ac VHT80	42/5210	100.00%	1.000	0.213	0.06	14.11	13.00	0.774	0.165	22.6
Hotspot Evaluate data of U-NII-3 (Separate 10mm) For Simultaneous											
Front side	802.11ac VHT80	155/5775	100.00%	1.000	0.112	0.09	15.14	14.00	0.769	0.086	22.6
Back side	802.11ac VHT80	155/5775	100.00%	1.000	0.141	0.13	15.14	14.00	0.769	0.108	22.6
Right side	802.11ac VHT80	155/5775	100.00%	1.000	0.139	-0.11	15.14	14.00	0.769	0.107	22.6
Top side	802.11ac VHT80	155/5775	100.00%	1.000	0.355	0.02	15.14	14.00	0.769	0.273	22.6
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm)											
Front side	802.11ac VHT160	50/5250	100.00%	1.000	0.368	-0.05	13.55	14.50	1.245	0.458	22.6
Back side	802.11ac VHT160	50/5250	100.00%	1.000	0.108	-0.06	13.55	14.50	1.245	0.134	22.6
Right side	802.11ac VHT160	50/5250	100.00%	1.000	0.098	-0.15	13.55	14.50	1.245	0.122	22.6
Top side	802.11ac VHT160	50/5250	100.00%	1.000	1.130	-0.13	13.55	14.50	1.245	1.406	22.6
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm)											
Front side	802.11ac VHT160	114/5570	100.00%	1.000	0.584	0.18	15.14	16.00	1.219	0.712	22.6
Back side	802.11ac VHT160	114/5570	100.00%	1.000	0.185	-0.07	15.14	16.00	1.219	0.226	22.6
Right side	802.11ac VHT160	114/5570	100.00%	1.000	0.147	-0.09	15.14	16.00	1.219	0.179	22.6
Top side	802.11ac VHT160	114/5570	100.00%	1.000	1.270	0.14	15.14	16.00	1.219	1.548	22.6
Ant8 Test Record chain1											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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 of U-NII-2A											
Left cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.604	-0.02	11.40	12.50	1.288	0.778	22.6
Left tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.184	0.03	11.40	12.50	1.288	0.237	22.6
Right cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.128	0.02	11.40	12.50	1.288	0.165	22.6
Right tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.132	-0.07	11.40	12.50	1.288	0.170	22.6
Head Test Data of U-NII-2C											
Left cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.657	0.12	10.93	12.00	1.279	0.841	22.6
Left tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.290	-0.15	10.93	12.00	1.279	0.371	22.6
Right cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.166	-0.15	10.93	12.00	1.279	0.212	22.6
Right tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.138	-0.15	10.93	12.00	1.279	0.177	22.6
Head Test Data of U-NII-3											
Left cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.749	0.02	11.63	12.50	1.222	0.915	22.6
Left tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.294	-0.03	11.63	12.50	1.222	0.359	22.6
Right cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.135	-0.04	11.63	12.50	1.222	0.165	22.6
Right tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.118	-0.15	11.63	12.50	1.222	0.144	22.6
Head Evaluate Data of U-NII-2A For Simultaneous											

Left cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.604	-0.02	11.40	10.00	0.724	0.438	22.6
Left tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.184	0.03	11.40	10.00	0.724	0.133	22.6
Right cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.128	0.02	11.40	10.00	0.724	0.093	22.6
Right tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.132	-0.07	11.40	10.00	0.724	0.096	22.6
Head Evaluate Data of U-NII-2C For Simultaneous											
Left cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.657	0.12	10.93	9.00	0.641	0.421	22.6
Left tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.290	-0.15	10.93	9.00	0.641	0.186	22.6
Right cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.166	-0.15	10.93	9.00	0.641	0.106	22.6
Right tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.138	-0.15	10.93	9.00	0.641	0.088	22.6
Head Evaluate Data of U-NII-3 For Simultaneous											
Left cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.749	0.02	11.63	9.50	0.612	0.459	22.6
Left tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.294	-0.03	11.63	9.50	0.612	0.180	22.6
Right cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.135	-0.04	11.63	9.50	0.612	0.083	22.6
Right tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.118	-0.15	11.63	9.50	0.612	0.072	22.6
Body worn Test data of U-NII-1 (Separate 10mm)											
Front side	802.11ac VHT80	42/5210	100.00%	1.000	0.081	-0.02	14.10	15.00	1.230	0.100	22.6
Back side	802.11ac VHT80	42/5210	100.00%	1.000	0.127	-0.11	14.10	15.00	1.230	0.156	22.6
Body worn Test data of U-NII-2A (Separate 10mm)											
Front side	802.11ac VHT160	50/5250	100.00%	1.000	0.065	0.12	13.41	14.50	1.285	0.084	22.6
Back side	802.11ac VHT160	50/5250	100.00%	1.000	0.102	-0.17	13.41	14.50	1.285	0.131	22.6
Body worn Test data of U-NII-2C (Separate 10mm)											
Front side	802.11ac VHT160	114/5570	100.00%	1.000	0.222	-0.18	15.09	16.00	1.233	0.274	22.6
Back side	802.11ac VHT160	114/5570	100.00%	1.000	0.234	0.13	15.09	16.00	1.233	0.289	22.6
Body worn Test data of U-NII-3 (Separate 10mm)											
Front side	802.11ac VHT80	155/5775	100.00%	1.000	0.128	0.18	14.98	16.00	1.265	0.162	22.6
Back side	802.11ac VHT80	155/5775	100.00%	1.000	0.122	0.01	14.98	16.00	1.265	0.154	22.6
Hotspot Test data of U-NII-1 (Separate 10mm)											
Front side	802.11ac VHT80	42/5210	100.00%	1.000	0.081	0.01	14.10	15.00	1.230	0.100	22.6
Back side	802.11ac VHT80	42/5210	100.00%	1.000	0.127	-0.08	14.10	15.00	1.230	0.156	22.6
Right side	802.11ac VHT80	42/5210	100.00%	1.000	0.183	0.04	14.10	15.00	1.230	0.225	22.6
Top side	802.11ac VHT80	42/5210	100.00%	1.000	0.076	0.19	14.10	15.00	1.230	0.094	22.6
Hotspot Test data of U-NII-3 (Separate 10mm)											
Front side	802.11ac VHT80	155/5775	100.00%	1.000	0.128	-0.19	14.98	16.00	1.265	0.162	22.6
Back side	802.11ac VHT80	155/5775	100.00%	1.000	0.122	0.04	14.98	16.00	1.265	0.154	22.6
Right side	802.11ac VHT80	155/5775	100.00%	1.000	0.380	-0.13	14.98	16.00	1.265	0.481	22.6
Top side	802.11ac VHT80	155/5775	100.00%	1.000	0.104	-0.08	14.98	16.00	1.265	0.132	22.6
Hotspot Evaluate data of U-NII-1 (Separate 10mm) For Simultaneous											
Front side	802.11ac VHT80	42/5210	100.00%	1.000	0.081	0.01	14.10	13.00	0.776	0.063	22.6
Back side	802.11ac VHT80	42/5210	100.00%	1.000	0.127	-0.08	14.10	13.00	0.776	0.099	22.6
Right side	802.11ac VHT80	42/5210	100.00%	1.000	0.183	0.04	14.10	13.00	0.776	0.142	22.6
Top side	802.11ac VHT80	42/5210	100.00%	1.000	0.076	0.19	14.10	13.00	0.776	0.059	22.6
Hotspot Evaluate data of U-NII-3 (Separate 10mm) For Simultaneous											
Front side	802.11ac VHT80	155/5775	100.00%	1.000	0.128	-0.19	14.98	14.00	0.798	0.102	22.6
Back side	802.11ac VHT80	155/5775	100.00%	1.000	0.122	0.04	14.98	14.00	0.798	0.097	22.6
Right side	802.11ac VHT80	155/5775	100.00%	1.000	0.380	-0.13	14.98	14.00	0.798	0.303	22.6
Top side	802.11ac VHT80	155/5775	100.00%	1.000	0.104	-0.08	14.98	14.00	0.798	0.083	22.6
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10gSAR Test data of U-NII-2A (Separate 0mm)											
Front side	802.11ac VHT160	50/5250	100.00%	1.000	0.530	0.11	13.41	14.50	1.285	0.681	22.6

Back side	802.11ac VHT160	50/5250	100.00%	1.000	0.176	-0.05	13.41	14.50	1.285	0.226	22.6
Right side	802.11ac VHT160	50/5250	100.00%	1.000	0.793	-0.06	13.41	14.50	1.285	1.019	22.6
Top side	802.11ac VHT160	50/5250	100.00%	1.000	0.206	-0.12	13.41	14.50	1.285	0.265	22.6
Product specific 10gSAR Test data of U-NII-2C (Separate 0mm)											
Front side	802.11ac VHT160	114/5570	100.00%	1.000	0.737	0.14	15.09	16.00	1.233	0.909	22.6
Back side	802.11ac VHT160	114/5570	100.00%	1.000	0.250	0.13	15.09	16.00	1.233	0.308	22.6
Right side	802.11ac VHT160	114/5570	100.00%	1.000	1.080	-0.06	15.09	16.00	1.233	1.332	22.6
Top side	802.11ac VHT160	114/5570	100.00%	1.000	0.303	0.06	15.09	16.00	1.233	0.374	22.6
MIMO Test Record											
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	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 of U-NII-2A											
Left cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.755	0.08	14.50	15.50	1.260	0.951	22.6
Left tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.829	-0.04	14.50	15.50	1.260	1.045	22.6
Right cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.356	0.19	14.50	15.50	1.260	0.449	22.6
Right tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.417	0.08	14.50	15.50	1.260	0.525	22.6
Head Test Data of U-NII-2C											
Left cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.749	-0.19	13.99	15.00	1.262	0.945	22.6
Left tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.832	0.02	13.99	15.00	1.262	1.050	22.6
Right cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.326	0.19	13.99	15.00	1.262	0.411	22.6
Right tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.425	-0.06	13.99	15.00	1.262	0.536	22.6
Head Test Data of U-NII-3											
Left cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.761	0.16	14.59	15.50	1.234	0.939	22.6
Left tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.854	0.07	14.59	15.50	1.234	1.054	22.6
Left tilted-Repeat SAR	802.11ac VHT80	155/5775	100.00%	1.000	0.846	0.12	14.59	15.50	1.234	1.044	22.6
Right cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.361	-0.07	14.59	15.50	1.234	0.446	22.6
Right tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.402	0.05	14.59	15.50	1.234	0.496	22.6
Head Evaluate Data of U-NII-2A For Simultaneous											
Left cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.755	0.08	14.50	13.00	0.709	0.535	22.6
Left tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.829	-0.04	14.50	13.00	0.709	0.587	22.6
Right cheek	802.11ac VHT160	50/5250	100.00%	1.000	0.356	0.19	14.50	13.00	0.709	0.252	22.6
Right tilted	802.11ac VHT160	50/5250	100.00%	1.000	0.417	0.08	14.50	13.00	0.709	0.295	22.6
Head Evaluate Data of U-NII-2C For Simultaneous											
Left cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.749	-0.19	13.99	12.00	0.632	0.474	22.6
Left tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.832	0.02	13.99	12.00	0.632	0.526	22.6
Right cheek	802.11ac VHT160	114/5570	100.00%	1.000	0.326	0.19	13.99	12.00	0.632	0.206	22.6
Right tilted	802.11ac VHT160	114/5570	100.00%	1.000	0.425	-0.06	13.99	12.00	0.632	0.269	22.6
Head Evaluate Data of U-NII-3 For Simultaneous											
Left cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.761	0.16	14.59	12.50	0.619	0.471	22.6
Left tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.854	0.07	14.59	12.50	0.619	0.528	22.6
Right cheek	802.11ac VHT80	155/5775	100.00%	1.000	0.361	-0.07	14.59	12.50	0.619	0.223	22.6
Right tilted	802.11ac VHT80	155/5775	100.00%	1.000	0.402	0.05	14.59	12.50	0.619	0.249	22.6
Body worn Test data of U-NII-1 (Separate 10mm)											
Front side	802.11ac VHT80	42/5210	100.00%	1.000	0.132	-0.04	17.12	18.00	1.226	0.162	22.6
Back side	802.11ac VHT80	42/5210	100.00%	1.000	0.166	0.05	17.12	18.00	1.226	0.204	22.6
Body worn Test data of U-NII-2A (Separate 10mm)											
Front side	802.11ac VHT160	50/5250	100.00%	1.000	0.154	-0.06	16.49	17.50	1.262	0.194	22.6
Back side	802.11ac VHT160	50/5250	100.00%	1.000	0.184	-0.06	16.49	17.50	1.262	0.232	22.6
Body worn Test data of U-NII-2C (Separate 10mm)											
Front side	802.11ac VHT160	114/5570	100.00%	1.000	0.291	-0.04	18.13	19.00	1.223	0.356	22.6