

identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is > ½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

WLAN(5.2GHz)(P1)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 36	5180	14.9	15.5
	CH 40	5200	15.07	15.5
	CH 48	5240	<b>15.36</b>	15.5
802.11n (HT20)	CH 36	5180	13.21	14.0
	CH 40	5200	13.37	14.0
	CH 48	5240	13.57	14.0
802.11n (HT40)	CH 38	5190	13.06	14.0
	CH 46	5230	13.38	14.0
802.11ac(VHT80)	CH42	5210	12.75	14.0

WLAN(5.2GHz)(P2)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 36	5180	12.97	13.0
	CH 40	5200	12.79	13.0
	CH 48	5240	<b>13.09</b>	13.5
802.11n (HT20)	CH 36	5180	11.35	11.5
	CH 40	5200	11.02	11.5
	CH 48	5240	11.32	11.5
802.11n (HT40)	CH 38	5190	11.35	11.5
	CH 46	5230	11.2	11.5
802.11ac(VHT80)	CH42	5210	11.15	11.5

WLAN(5.3GHz)(P1)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 52	5260	14.95	15.5
	CH 56	5280	<b>15.12</b>	15.5
	CH 64	5320	14.92	15.5
802.11n (HT20)	CH 52	5260	13.55	14.0
	CH 56	5280	13.71	14.0
	CH 64	5320	13.36	14.0
802.11n (HT40)	CH 54	5270	13.64	14.0

	CH62	5310	13.56	14.0
802.11ac(VHT80)	CH 58	5290	13.38	14.0

WLAN(5.3GHz)(P2)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 52	5260	12.94	13.0
	CH 56	5280	12.96	13.0
	CH 64	5320	<b>13.08</b>	13.5
802.11n (HT20)	CH 52	5260	11.19	11.5
	CH 56	5280	11.32	11.5
	CH 64	5320	11.43	11.5
802.11n (HT40)	CH 54	5270	11.65	12.0
	CH62	5310	11.59	12.0
802.11ac(VHT80)	CH 58	5290	11.42	11.5

WLAN(5.6GHz)(P1)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 100	5500	14.96	15.5
	CH 120	5600	15.11	15.5
	CH 140	5700	<b>15.43</b>	15.5
802.11n (HT20)	CH 100	5500	13.13	13.5
	CH 120	5600	13.42	13.5
	CH 140	5700	13.73	13.5
802.11n (HT40)	CH 102	5510	13.17	13.5
	CH118	5590	13.44	13.5
	CH134	5670	13.63	13.5
802.11ac(VHT80)	CH106	5530	12.63	13.5
	CH122	5610	13.32	13.5

WLAN(5.6GHz)(P2)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 100	5500	12.94	13.0
	CH 120	5600	12.99	13.0
	CH 140	5700	<b>13.29</b>	13.5
802.11n (HT20)	CH 100	5500	11.27	11.5

	CH 120	5600	11.31	11.5
	CH 140	5700	11.71	12.0
802.11n (HT40)	CH 102	5510	11.30	11.5
	CH118	5590	11.57	12.0
	CH134	5670	11.57	12.0
802.11ac(VHT80)	CH106	5530	10.88	11.0
	CH122	5610	10.89	11.0

WLAN(5.8GHz)(P1)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 149	5745	<b>15.26</b>	15.5
	CH 157	5785	15.20	15.5
	CH 165	5825	15.19	15.5
802.11n (HT20)	CH 149	5745	13.51	14.0
	CH 157	5785	13.30	14.0
	CH 165	5825	13.56	14.0
802.11n (HT40)	CH 151	5755	13.68	14.0
	CH 159	5795	13.57	14.0
802.11ac(VHT80)	CH 155	5755	13.33	14.0

WLAN(5.8GHz) (P2)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 149	5745	13.23	13.5
	CH 157	5785	<b>13.46</b>	13.5
	CH 165	5825	13.24	13.5
802.11n (HT20)	CH 149	5745	11.54	12.0
	CH 157	5785	11.76	12.0
	CH 165	5825	11.42	11.5
802.11n (HT40)	CH 151	5755	12.01	12.5
	CH 159	5795	11.74	12.0
802.11ac(VHT80)	CH 155	5755	11.02	11.5

WLAN(2.4GHz)(P1)					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11b	1Mbps	CH 01	2412	18.90	19.0
		CH 06	2437	<b>19.30</b>	19.5
		CH 11	2462	18.70	19.0
802.11g	6Mbps	CH 01	2412	14.62	15.0
		CH 06	2437	15.08	15.5
		CH 11	2462	14.63	15.0
802.11n (20MHz)	MCS0	CH 01	2412	14.50	15.0
		CH 06	2437	14.91	15.0
		CH 11	2462	14.45	14.5
802.11n (40MHz)	MCS0	CH 03	2422	14.64	15.0
		CH 06	2437	14.77	15.0
		CH 09	2452	14.73	15.0

WLAN(2.4GHz)(P2)					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11b	1Mbps	CH 01	2412	14.41	14.5
		CH 06	2437	<b>14.64</b>	15.0
		CH 11	2462	13.70	14.0
802.11g	6Mbps	CH 01	2412	13.79	14.0
		CH 06	2437	14.14	14.5
		CH 11	2462	13.27	13.5
802.11n (20MHz)	MCS0	CH 01	2412	13.82	14.0
		CH 06	2437	13.94	14.0
		CH 11	2462	13.04	13.5
802.11n (40MHz)	MCS0	CH 03	2422	13.41	13.5
		CH 06	2437	13.60	14.0
		CH 09	2452	13.32	13.5

**Remark:**

1. Per KDB 248227 D01 v02r02, For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed

exposure test position and initial test position procedure applies to multiple exposure test positions.

2. Per KDB 248227 D01 v02r02, For 802.11b DSSS SAR measurements ,when the reported SAR of the highest measured maximum output power channel (see 3.1) for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration. When the reported SAR is  $> 0.8$  W/kg, SAR is required for that exposure configuration using the next highest measured output power

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channel. When any reported SAR is  $> 1.2$  W/kg, SAR is required for the third channel; i.e., all channels require testing.

3 .For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is  $\leq 1.2$ W/kg.

4. Per KDB 248227 D01 v02r02, When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same specified maximum output power.

2) If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.

3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.

4) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

Bluetooth			
Test Mode	Data Rate	Conducted Power (dBm)	Tune-up power (dBm)
GFSK	1Mbps	1.51	2.0
Pi/4 QDPSK	2Mbps	0.99	1.0
8DPSK	3Mbps	1.02	1.5

Bluetooth					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
BLE	1Mbps	CH 00	2402	-2.15	-2.0
		CH 19	2440	-0.96	0
		CH 39	2480	-1.94	-1.5
	2Mbps	CH 00	2402	-2.49	-2.0
		CH 19	2440	-1.3	-1.0
		CH 39	2480	-2.19	-2.0

## 9.2 Test Results for Standalone SAR Test

### Head SAR

GSM850 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GSM	Right Cheek	128	824.2	33.17	33.5	1.079	0.320	0.345
	GSM	Right Tilted	128	824.2	33.17	33.5	1.079	0.175	0.189
1.	GSM	Left Cheek	128	824.2	33.17	33.5	1.079	0.426	<b>0.460</b>
	GSM	Left Tilted	128	824.2	33.17	33.5	1.079	0.223	0.241

GSM1900 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	M Hz					
2.	GSM	Right Cheek	810	1909.8	22.25	22.5	1.059	0.113	<b>0.120</b>
	GSM	Right Tilted	810	1909.8	22.25	22.5	1.059	0.109	0.115
	GSM	Left Cheek	810	1909.8	22.25	22.5	1.059	0.079	0.084
	GSM	Left Tilted	810	1909.8	22.25	22.5	1.059	0.056	0.059

GPRS850 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GPRS_4TX	Right Cheek	128	824.2	30.62	31.0	1.091	0.258	0.282
	GPRS_4TX	Right Tilted	128	824.2	30.62	31.0	1.091	0.182	0.199
3.	GPRS_4TX	Left Cheek	128	824.2	30.62	31.0	1.091	0.361	<b>0.394</b>
	GPRS_4TX	Left Tilted	128	824.2	30.62	31.0	1.091	0.192	0.210

GPRS1900 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	M Hz					
4.	GPRS_4TX	Right Cheek	810	1909.8	22.15	22.5	1.084	0.382	<b>0.414</b>
	GPRS_4TX	Right Tilted	810	1909.8	22.15	22.5	1.084	0.211	0.229
	GPRS_4TX	Left Cheek	810	1909.8	22.15	22.5	1.084	0.210	0.228
	GPRS_4TX	Left Tilted	810	1909.8	22.15	22.5	1.084	0.120	0.130

WCDMA Band 2 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
5.	RMC	Right Cheek	9262	1852.4	19.11	19.5	1.094	0.253	<b>0.277</b>
	RMC	Right Tilted	9262	1852.4	19.11	19.5	1.094	0.213	0.233
	RMC	Left Cheek	9262	1852.4	19.11	19.5	1.094	0.160	0.175
	RMC	Left Tilted	9262	1852.4	19.11	19.5	1.094	0.120	0.131

WCDMA Band 4 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
6.	RMC	Right Cheek	1513	1752.6	18.53	19.0	1.114	0.282	<b>0.314</b>
	RMC	Right Tilted	1513	1752.6	18.53	19.0	1.114	0.189	0.211
	RMC	Left Cheek	1513	1752.6	18.53	19.0	1.114	0.195	0.217
	RMC	Left Tilted	1513	1752.6	18.53	19.0	1.114	0.159	0.177

WCDMA Band 5 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC	Right Cheek	4132	826.4	23.40	23.5	1.023	0.279	0.285
	RMC	Right Tilted	4132	826.4	23.40	23.5	1.023	0.155	0.159
7.	RMC	Left Cheek	4132	826.4	23.40	23.5	1.023	0.287	<b>0.294</b>
	RMC	Left Tilted	4132	826.4	23.40	23.5	1.023	0.149	0.152

LTE Band 2– Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)	
	Modulation, Bandwidth, RB		MHz						
8.	16QAM 20MHz 1RB	Right Cheek	1880	19.86	20.0	1.033	0.356	<b>0.368</b>	
	16QAM 20MHz 1RB	Right Tilted	1880	19.86	20.0	1.033	0.311	0.321	
	16QAM 20MHz 1RB	Left Cheek	1880	19.86	20.0	1.033	0.211	0.218	
	16QAM 20MHz 1RB	Left Tilted	1880	19.86	20.0	1.033	0.181	0.187	
	16QAM 20MHz 50%RB	Right Cheek	1880	19.86	20.0	1.033	0.235	0.243	
	16QAM 20MHz 50%RB	Right Tilted	1880	19.86	20.0	1.033	0.202	0.209	
	16QAM 20MHz 50%RB	Left Cheek	1880	19.86	20.0	1.033	0.112	0.116	
	16QAM 20MHz 50%RB	Left Tilted	1880	19.86	20.0	1.033	0.091	0.094	

LTE Band 4– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
9.	QPSK 20MHz 1RB	Right Cheek	1745	19.99	20.0	1.002	0.372	<b>0.373</b>
	QPSK 20MHz 1RB	Right Tilted	1745	19.99	20.0	1.002	0.354	0.355
	QPSK 20MHz 1RB	Left Cheek	1745	19.99	20.0	1.002	0.231	0.232
	QPSK 20MHz 1RB	Left Tilted	1745	19.99	20.0	1.002	0.210	0.210
	QPSK 20MHz 50%RB	Right Cheek	1745	19.99	20.0	1.002	0.241	0.242
	QPSK 20MHz 50%RB	Right Tilted	1745	19.99	20.0	1.002	0.180	0.180
	QPSK 20MHz 50%RB	Left Cheek	1745	19.99	20.0	1.002	0.222	0.223
	QPSK 20MHz 50%RB	Left Tilted	1745	19.99	20.0	1.002	0.132	0.132

LTE Band 5 Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Right Cheek	844	23.28	23.5	1.052	0.295	0.310
	QPSK 10MHz 1RB	Right Tilted	844	23.28	23.5	1.052	0.164	0.173
10.	QPSK 10MHz 1RB	Left Cheek	844	23.28	23.5	1.052	0.379	<b>0.399</b>
	QPSK 10MHz 1RB	Left Tilted	844	23.28	23.5	1.052	0.199	0.209
	QPSK 10MHz 50%RB	Right Cheek	844	23.28	23.5	1.052	0.185	0.195
	QPSK 10MHz 50%RB	Right Tilted	844	23.28	23.5	1.052	0.101	0.106
	QPSK 10MHz 50%RB	Left Cheek	844	23.28	23.5	1.052	0.235	0.247
	QPSK 10MHz 50%RB	Left Tilted	844	23.28	23.5	1.052	0.127	0.134

LTE Band 12– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Right Cheek	704	24.01	24.5	1.119	0.124	0.139
	QPSK 10MHz 1RB	Right Tilted	704	24.01	24.5	1.119	0.074	0.083
11.	QPSK 10MHz 1RB	Left Cheek	704	24.01	24.5	1.119	0.130	<b>0.146</b>
	QPSK 10MHz 1RB	Left Tilted	704	24.01	24.5	1.119	0.074	0.083
	QPSK 10MHz 50%RB	Right Cheek	704	24.01	24.5	1.119	0.110	0.123
	QPSK 10MHz 50%RB	Right Tilted	704	24.01	24.5	1.119	0.058	0.065
	QPSK 10MHz 50%RB	Left Cheek	704	24.01	24.5	1.119	0.123	0.138
	QPSK 10MHz 50%RB	Left Tilted	704	24.01	24.5	1.119	0.063	0.071



LTE Band 13– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
12.	QPSK 10MHz 1RB	Right Cheek	782	23.29	23.5	1.050	0.242	<b>0.254</b>
	QPSK 10MHz 1RB	Right Tilted	782	23.29	23.5	1.050	0.129	0.135
	QPSK 10MHz 1RB	Left Cheek	782	23.29	23.5	1.050	0.297	0.312
	QPSK 10MHz 1RB	Left Tilted	782	23.29	23.5	1.050	0.164	0.172
	QPSK 10MHz 50%RB	Right Cheek	782	23.29	23.5	1.050	0.147	0.154
	QPSK 10MHz 50%RB	Right Tilted	782	23.29	23.5	1.050	0.081	0.085
	QPSK 10MHz 50%RB	Left Cheek	782	23.29	23.5	1.050	0.231	0.242
	QPSK 10MHz 50%RB	Left Tilted	782	23.29	23.5	1.050	0.131	0.137

LTE Band 17– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
13.	QPSK 10MHz 1RB	Right Cheek	709	23.53	24.0	1.114	0.146	<b>0.163</b>
	QPSK 10MHz 1RB	Right Tilted	709	23.53	24.0	1.114	0.082	0.091
	QPSK 10MHz 1RB	Left Cheek	709	23.53	24.0	1.114	0.142	0.158
	QPSK 10MHz 1RB	Left Tilted	709	23.53	24.0	1.114	0.075	0.084
	QPSK 10MHz 50%RB	Right Cheek	709	23.53	24.0	1.114	0.120	0.134
	QPSK 10MHz 50%RB	Right Tilted	709	23.53	24.0	1.114	0.067	0.075
	QPSK 10MHz 50%RB	Left Cheek	709	23.53	24.0	1.114	0.116	0.129
	QPSK 10MHz 50%RB	Left Tilted	709	23.53	24.0	1.114	0.065	0.072

LTE Band 25– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
14.	QPSK 20MHz 1RB	Right Cheek	1860	20.09	20.5	1.099	0.374	<b>0.411</b>
	QPSK 20MHz 1RB	Right Tilted	1860	20.09	20.5	1.099	0.304	0.334
	QPSK 20MHz 1RB	Left Cheek	1860	20.09	20.5	1.099	0.199	0.219
	QPSK 20MHz 1RB	Left Tilted	1860	20.09	20.5	1.099	0.165	0.181
	QPSK 20MHz 50%RB	Right Cheek	1860	20.09	20.5	1.099	0.234	0.257
	QPSK 20MHz 50%RB	Right Tilted	1860	20.09	20.5	1.099	0.209	0.230
	QPSK 20MHz 50%RB	Left Cheek	1860	20.09	20.5	1.099	0.212	0.233
	QPSK 20MHz 50%RB	Left Tilted	1860	20.09	20.5	1.099	0.167	0.184

LTE Band 26(814-824MHz)– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Right Cheek	819	23.46	23.5	1.009	0.267	0.269
	QPSK 10MHz 1RB	Right Tilted	819	23.46	23.5	1.009	0.144	0.145
15.	QPSK 10MHz 1RB	Left Cheek	819	23.46	23.5	1.009	0.333	<b>0.336</b>
	QPSK 10MHz 1RB	Left Tilted	819	23.46	23.5	1.009	0.179	0.181
	QPSK 10MHz 50%RB	Right Cheek	819	23.46	23.5	1.009	0.234	0.236
	QPSK 10MHz 50%RB	Right Tilted	819	23.46	23.5	1.009	0.123	0.124
	QPSK 10MHz 50%RB	Left Cheek	819	23.46	23.5	1.009	0.310	0.313
	QPSK 10MHz 50%RB	Left Tilted	819	23.46	23.5	1.009	0.167	0.169

LTE Band 26(824-849MHz)– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 15MHz 1RB	Right Cheek	841.5	23.56	24.0	1.107	0.294	0.325
	QPSK 15MHz 1RB	Right Tilted	841.5	23.56	24.0	1.107	0.164	0.181
16.	QPSK 15MHz 1RB	Left Cheek	841.5	23.56	24.0	1.107	0.401	<b>0.444</b>
	QPSK 15MHz 1RB	Left Tilted	841.5	23.56	24.0	1.107	0.208	0.230
	QPSK 15MHz 50%RB	Right Cheek	841.5	23.56	24.0	1.107	0.267	0.295
	QPSK 15MHz 50%RB	Right Tilted	841.5	23.56	24.0	1.107	0.138	0.153
	QPSK 15MHz 50%RB	Left Cheek	841.5	23.56	24.0	1.107	0.396	0.438
	QPSK 15MHz 50%RB	Left Tilted	841.5	23.56	24.0	1.107	0.205	0.227

LTE Band 41– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
17.	16QAM 20MHz 1RB	Right Cheek	2680	20.88	21.0	1.028	0.211	<b>0.217</b>
	16QAM 20MHz 1RB	Right Tilted	2680	20.88	21.0	1.028	0.136	0.140
	16QAM 20MHz 1RB	Left Cheek	2680	20.88	21.0	1.028	0.139	0.143
	16QAM 20MHz 1RB	Left Tilted	2680	20.88	21.0	1.028	0.113	0.116
	16QAM 20MHz 50%RB	Right Cheek	2680	20.88	21.0	1.028	0.201	0.207
	16QAM 20MHz 50%RB	Right Tilted	2680	20.88	21.0	1.028	0.178	0.183
	16QAM 20MHz 50%RB	Left Cheek	2680	20.88	21.0	1.028	0.120	0.123
	16QAM 20MHz 50%RB	Left Tilted	2680	20.88	21.0	1.028	0.102	0.105

LTE Band66– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
18.	QPSK 20MHz 1RB	Right Cheek	1745	20.07	20.5	1.104	0.376	<b>0.415</b>
	QPSK 20MHz 1RB	Right Tilted	1745	20.07	20.5	1.104	0.345	0.381
	QPSK 20MHz 1RB	Left Cheek	1745	20.07	20.5	1.104	0.203	0.224
	QPSK 20MHz 1RB	Left Tilted	1745	20.07	20.5	1.104	0.187	0.206
	QPSK 20MHz 50%RB	Right Cheek	1745	20.07	20.5	1.104	0.310	0.342
	QPSK 20MHz 50%RB	Right Tilted	1745	20.07	20.5	1.104	0.256	0.283
	QPSK 20MHz 50%RB	Left Cheek	1745	20.07	20.5	1.104	0.198	0.219
	QPSK 20MHz 50%RB	Left Tilted	1745	20.07	20.5	1.104	0.169	0.187

LTE Band 71– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
19.	QPSK 20MHz 1RB	Right Cheek	673	24.23	24.5	1.064	0.153	<b>0.163</b>
	QPSK 20MHz 1RB	Right Tilted	673	24.23	24.5	1.064	0.085	0.090
	QPSK 20MHz 1RB	Left Cheek	673	24.23	24.5	1.064	0.128	0.136
	QPSK 20MHz 1RB	Left Tilted	673	24.23	24.5	1.064	0.072	0.077
	QPSK 20MHz 50%RB	Right Cheek	673	24.23	24.5	1.064	0.102	0.109
	QPSK 20MHz 50%RB	Right Tilted	673	24.23	24.5	1.064	0.056	0.060
	QPSK 20MHz 50%RB	Left Cheek	673	24.23	24.5	1.064	0.093	0.099
	QPSK 20MHz 50%RB	Left Tilted	673	24.23	24.5	1.064	0.051	0.054

NR n5– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
	CP-OFDM-64QAM 20MHz 1RB	Right Cheek	839	24.77	25.0	1.054	0.164	0.173
	CP-OFDM-64QAM 20MHz 1RB	Right Tilted	839	24.77	25.0	1.054	0.101	0.106
20.	CP-OFDM-64QAM 20MHz 1RB	Left Cheek	839	24.77	25.0	1.054	0.179	<b>0.189</b>
	CP-OFDM-64QAM 20MHz 1RB	Left Tilted	839	24.77	25.0	1.054	0.126	0.133
	CP-OFDM-64QAM 20MHz 50%RB	Right Cheek	839	24.77	25.0	1.054	0.142	0.150
	CP-OFDM-64QAM 20MHz 50%RB	Right Tilted	839	24.77	25.0	1.054	0.095	0.100
	CP-OFDM-64QAM 20MHz 50%RB	Left Cheek	839	24.77	25.0	1.054	0.129	0.136
	CP-OFDM-64QAM 20MHz 50%RB	Left Tilted	839	24.77	25.0	1.054	0.088	0.093

NR n41– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
	CP-OFDM-QPSK 100MHz 1RB	Right Cheek	2640	19.99	20.0	1.002	0.202	0.202
	CP-OFDM-QPSK 100MHz 1RB	Right Tilted	2640	19.99	20.0	1.002	0.148	0.148
21.	CP-OFDM-QPSK 100MHz 1RB	Left Cheek	2640	19.99	20.0	1.002	0.213	<b>0.213</b>
	CP-OFDM-QPSK 100MHz 1RB	Left Tilted	2640	19.99	20.0	1.002	0.153	0.153
	CP-OFDM-QPSK 100MHz 50%RB	Right Cheek	2640	19.99	20.0	1.002	0.162	0.162
	CP-OFDM-QPSK 100MHz 50%RB	Right Tilted	2640	19.99	20.0	1.002	0.114	0.114
	CP-OFDM-QPSK 100MHz 50%RB	Left Cheek	2640	19.99	20.0	1.002	0.177	0.177
	CP-OFDM-QPSK 100MHz 50%RB	Left Tilted	2640	19.99	20.0	1.002	0.125	0.125

NR n71– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth		MHz					
	CP-OFDM-QPSK 20MHz 1RB	Right Cheek	680.5	23.68	24.0	1.076	0.115	0.124
	CP-OFDM-QPSK 20MHz 1RB	Right Tilted	680.5	23.68	24.0	1.076	0.079	0.085
22.	CP-OFDM-QPSK 20MHz 1RB	Left Cheek	680.5	23.68	24.0	1.076	0.123	<b>0.132</b>
	CP-OFDM-QPSK 20MHz 1RB	Left Tilted	680.5	23.68	24.0	1.076	0.077	0.083
	CP-OFDM-QPSK 20MHz 50%RB	Right Cheek	680.5	23.68	24.0	1.076	0.099	0.107
	CP-OFDM-QPSK 20MHz 50%RB	Right Tilted	680.5	23.68	24.0	1.076	0.062	0.067
	CP-OFDM-QPSK 20MHz 50%RB	Left Cheek	680.5	23.68	24.0	1.076	0.106	0.114
	CP-OFDM-QPSK 20MHz 50%RB	Left Tilted	680.5	23.68	24.0	1.076	0.064	0.069

WLAN 5.2GHz–Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	48	5240	13.09	13.5	1.099	0.439	0.482
	802.11a	Right Tilted	48	5240	13.09	13.5	1.099	0.378	0.415
23.	802.11a	Left Cheek	48	5240	13.09	13.5	1.099	0.493	<b>0.542</b>
	802.11a	Left Tilted	48	5240	13.09	13.5	1.099	0.309	0.340

WLAN 5.3GHz–Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	64	5320	13.08	13.5	1.102	0.514	0.566
	802.11a	Right Tilted	64	5320	13.08	13.5	1.102	0.427	0.470
24.	802.11a	Left Cheek	64	5320	13.08	13.5	1.102	0.622	<b>0.685</b>
	802.11a	Left Tilted	64	5320	13.08	13.5	1.102	0.564	0.621

WLAN 5.6GHz–Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	140	5700	13.29	13.5	1.050	0.410	0.430
	802.11a	Right Tilted	140	5700	13.29	13.5	1.050	0.316	0.332
25.	802.11a	Left Cheek	140	5700	13.29	13.5	1.050	0.478	<b>0.502</b>
	802.11a	Left Tilted	140	5700	13.29	13.5	1.050	0.354	0.372

WLAN 5.8GHz–Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	157	5785	13.46	13.5	1.009	0.400	0.404
	802.11a	Right Tilted	157	5785	13.46	13.5	1.009	0.313	0.316
26.	802.11a	Left Cheek	157	5785	13.46	13.5	1.009	0.515	<b>0.520</b>
	802.11a	Left Tilted	157	5785	13.46	13.5	1.009	0.428	0.432

WLAN 2.4GHz–Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11b	Right Cheek	06	2437	14.64	15.0	1.086	0.183	0.199
	802.11b	Right Tilted	06	2437	14.64	15.0	1.086	0.162	0.176
27.	802.11b	Left Cheek	06	2437	14.64	15.0	1.086	0.301	<b>0.327</b>
	802.11b	Left Tilted	06	2437	14.64	15.0	1.086	0.235	0.255

Bluetooth–Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			MHz						
	Bluetooth	Right Cheek	2480		1.51	2.0	1.119	0.086	0.096
	Bluetooth	Right Tilted	2480		1.51	2.0	1.119	0.049	0.055
28.	Bluetooth	Left Cheek	2480		1.51	2.0	1.119	0.179	<b>0.200</b>
	Bluetooth	Left Tilted	2480		1.51	2.0	1.119	0.098	0.110

**Remark:** Per KDB 447498 D01 v06, if the highest output channel SAR for each exposure position  $\leq 0.8$  W/kg other channels SAR tests are not necessary.

**Body-worn SAR**

<b>GSM850 – Body SAR Test (Gap: 15mm)</b>									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
29.	GSM	Back	128	824.2	33.17	33.5	1.079	0.204	<b>0.220</b>
	GSM	Front	128	824.2	33.17	33.5	1.079	0.197	0.213

<b>GSM1900 – Body SAR Test (Gap: 15mm)</b>									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
30.	GSM	Back	810	1909.8	29.97	30.0	1.007	0.070	<b>0.070</b>
	GSM	Front	810	1909.8	29.97	30.0	1.007	0.049	0.049

<b>WCDMA Band 2 – Body SAR Test (Gap: 15mm)</b>									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
31.	RMC 12.2k	Back Side	9262	1852.4	23.25	23.5	1.059	0.234	<b>0.248</b>
	RMC 12.2k	Front Side	9262	1852.4	23.25	23.5	1.059	0.104	0.110

<b>WCDMA Band 4 – Body SAR Test (Gap: 15mm)</b>									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
32.	RMC 12.2k	Back Side	1412	1732.4	22.87	23.0	1.030	0.205	<b>0.211</b>
	RMC 12.2k	Front Side	1412	1732.4	22.87	23.0	1.030	0.111	0.114

<b>WCDMA Band 5 – Body SAR Test (Gap: 15mm)</b>									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
33.	RMC 12.2k	Back Side	4132	826.4	23.40	23.5	1.023	0.203	<b>0.208</b>
	RMC 12.2k	Front Side	4132	826.4	23.40	23.5	1.023	0.195	0.200

LTE Band 2–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
34.	QPSK 20MHz 1RB	Back Side	1860	24.05	24.5	1.109	0.235	<b>0.261</b>
	QPSK 20MHz 1RB	Front Side	1860	24.05	24.5	1.109	0.103	0.114
	QPSK 20MHz 50%RB	Back Side	1860	24.05	24.5	1.109	0.125	0.139
	QPSK 20MHz 50%RB	Front Side	1860	24.05	24.5	1.109	0.098	0.109

LTE Band 4–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
35.	QPSK 20MHz 1RB	Back Side	1745	24.01	24.5	1.119	0.205	<b>0.229</b>
	QPSK 20MHz 1RB	Front Side	1745	24.01	24.5	1.119	0.114	0.128
	QPSK 20MHz 50%RB	Back Side	1745	24.01	24.5	1.119	0.168	0.188
	QPSK 20MHz 50%RB	Front Side	1745	24.01	24.5	1.119	0.110	0.123

LTE Band 5–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
36.	QPSK 10MHz 1RB	Back Side	844	23.28	23.5	1.052	0.233	<b>0.245</b>
	QPSK 10MHz 1RB	Front Side	844	23.28	23.5	1.052	0.219	0.230
	QPSK 10MHz 50%RB	Back Side	844	23.28	23.5	1.052	0.213	0.224
	QPSK 10MHz 50%RB	Front Side	844	23.28	23.5	1.052	0.209	0.220

LTE Band 12–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
37.	QPSK 10MHz 1RB	Back Side	704	24.01	24.5	1.119	0.140	<b>0.157</b>
	QPSK 10MHz 1RB	Front Side	704	24.01	24.5	1.119	0.132	0.148
	QPSK 10MHz 50%RB	Back Side	704	24.01	24.5	1.119	0.110	0.123
	QPSK 10MHz 50%RB	Front Side	704	24.01	24.5	1.119	0.102	0.114



LTE Band 13–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
38.	QPSK 10MHz 1RB	Back Side	782	23.29	23.5	1.050	0.262	<b>0.275</b>
	QPSK 10MHz 1RB	Front Side	782	23.29	23.5	1.050	0.260	0.273
	QPSK 10MHz 50%RB	Back Side	782	23.29	23.5	1.050	0.235	0.247
	QPSK 10MHz 50%RB	Front Side	782	23.29	23.5	1.050	0.223	0.234

LTE Band 17–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
39.	QPSK 10MHz 1RB	Back Side	709	23.53	24.0	1.114	0.153	<b>0.170</b>
	QPSK 10MHz 1RB	Front Side	709	23.53	24.0	1.114	0.145	0.162
	QPSK 10MHz 50%RB	Back Side	709	23.53	24.0	1.114	0.132	0.147
	QPSK 10MHz 50%RB	Front Side	709	23.53	24.0	1.114	0.122	0.136

LTE Band 25–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
40.	QPSK 20MHz 1RB	Back Side	1860	24.23	24.5	1.064	0.244	<b>0.260</b>
	QPSK 20MHz 1RB	Front Side	1860	24.23	24.5	1.064	0.107	0.114
	QPSK 20MHz 50%RB	Back Side	1860	24.23	24.5	1.064	0.198	0.211
	QPSK 20MHz 50%RB	Front Side	1860	24.23	24.5	1.064	0.100	0.106

LTE Band 26(814-824MHz)–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
41.	QPSK 10MHz 1RB	Back Side	819	23.46	23.5	1.009	0.200	<b>0.202</b>
	QPSK 10MHz 1RB	Front Side	819	23.46	23.5	1.009	0.179	0.181
	QPSK 10MHz 50%RB	Back Side	819	23.46	23.5	1.009	0.169	0.171
	QPSK 10MHz 50%RB	Front Side	819	23.46	23.5	1.009	0.153	0.154

LTE Band 26(824-849MHz)–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
42.	QPSK 15MHz 1RB	Back Side	841.5	23.56	24.0	1.107	0.220	<b>0.243</b>
	QPSK 15MHz 1RB	Front Side	841.5	23.56	24.0	1.107	0.189	0.209
	QPSK 15MHz 50%RB	Back Side	841.5	23.56	24.0	1.107	0.120	0.133
	QPSK 15MHz 50%RB	Front Side	841.5	23.56	24.0	1.107	0.136	0.151

LTE Band 41–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
43.	QPSK 20MHz 1RB	Back Side	2593	22.99	23.0	1.002	0.132	<b>0.132</b>
	QPSK 20MHz 1RB	Front Side	2593	22.99	23.0	1.002	0.089	0.089
	QPSK 20MHz 50%RB	Back Side	2593	22.99	23.0	1.002	0.110	0.110
	QPSK 20MHz 50%RB	Front Side	2593	22.99	23.0	1.002	0.064	0.064

LTE Band 66–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
44.	QPSK 20MHz 1RB	Back Side	1770	24.25	24.5	1.059	0.204	<b>0.216</b>
	QPSK 20MHz 1RB	Front Side	1770	24.25	24.5	1.059	0.113	0.120
	QPSK 20MHz 50%RB	Back Side	1770	24.25	24.5	1.059	0.158	0.167
	QPSK 20MHz 50%RB	Front Side	1770	24.25	24.5	1.059	0.105	0.111

LTE Band 71–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
45.	QPSK 20MHz 1RB	Back Side	673	24.23	24.5	1.064	0.155	<b>0.165</b>
	QPSK 20MHz 1RB	Front Side	673	24.23	24.5	1.064	0.131	0.139
	QPSK 20MHz 50%RB	Back Side	673	24.23	24.5	1.064	0.132	0.140
	QPSK 20MHz 50%RB	Front Side	673	24.23	24.5	1.064	0.120	0.128

NR n5–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
46.	CP-OFDM-64QAM 20MHz 1RB	Back Side	839	24.77	25.0	1.054	0.219	<b>0.231</b>
	CP-OFDM-64QAM 20MHz 1RB	Front Side	839	24.77	25.0	1.054	0.116	0.122
	CP-OFDM-64QAM 20MHz 50%RB	Back Side	839	24.77	25.0	1.054	0.180	0.190
	CP-OFDM-64QAM 20MHz 50%RB	Front Side	839	24.77	25.0	1.054	0.098	0.103

NR n41–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
47.	DFT-s-OFDM QPSK 100MHz 1RB	Back Side	2593	23.98	24.0	1.005	0.221	<b>0.222</b>
	DFT-s-OFDM QPSK 100MHz 1RB	Front Side	2593	23.98	24.0	1.005	0.115	0.116
	DFT-s-OFDM QPSK 100MHz 50%RB	Back Side	2593	23.98	24.0	1.005	0.198	0.199
	DFT-s-OFDM QPSK 100MHz 50%RB	Front Side	2593	23.98	24.0	1.005	0.106	0.106

NR n71–Body SAR Test (Gap: 15mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
48.	CP-OFDM-QPSK 20MHz 1RB	Back Side	680.5	23.68	24.0	1.076	0.178	<b>0.192</b>
	CP-OFDM-QPSK 20MHz 1RB	Front Side	680.5	23.68	24.0	1.076	0.121	0.130
	CP-OFDM-QPSK 20MHz 50%RB	Back Side	680.5	23.68	24.0	1.076	0.174	0.187
	CP-OFDM-QPSK 20MHz 50%RB	Front Side	680.5	23.68	24.0	1.076	0.095	0.102

WLAN 5.2GHz –Body SAR Test (Gap: 15mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Side	48	5240	15.36	15.5	1.0328	0.144	0.1487
49.	802.11a	Front Side	48	5240	15.36	15.5	1.0328	0.377	<b>0.3894</b>

WLAN 5.3GHz –Body SAR Test (Gap: 15mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Side	56	5280	15.12	15.5	1.0914	0.119	0.1299
50.	802.11a	Front Side	56	5280	15.12	15.5	1.0914	0.4	<b>0.4366</b>

WLAN 5.6GHz –Body SAR Test (Gap: 15mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Side	140	5700	15.43	15.5	1.0162	0.209	0.2124
51.	802.11a	Front Side	140	5700	15.43	15.5	1.0162	0.245	<b>0.2490</b>

WLAN 5.8GHz –Body SAR Test (Gap: 15mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Side	149	5745	15.26	15.5	1.0568	0.217	0.2293
52.	802.11a	Front Side	149	5745	15.26	15.5	1.0568	0.23	<b>0.2431</b>

<b>WLAN 2.4GHz –Body SAR Test (Gap: 15mm)</b>									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
53.	802.11b	Back Side	06	2437	19.30	19.5	1.047	0.421	<b>0.441</b>
	802.11b	Front Side	06	2437	19.30	19.5	1.047	0.237	0.248

<b>Bluetooth –Body SAR Test(Gap: 15mm)</b>									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
54.	Bluetooth	Back Side		2480	1.51	2.0	1.119	0.037	<b>0.041</b>
	Bluetooth	Front Side		2480	1.51	2.0	1.119	0.031	0.035

## Hotspot SAR

GSM850 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
55.	GPRS_4TX	Back Side	128	824.2	30.62	31.0	1.091	0.330	<b>0.360</b>
	GPRS_4TX	Front Side	128	824.2	30.62	31.0	1.091	0.248	0.271
	GPRS_4TX	Right side	128	824.2	30.62	31.0	1.091	0.073	0.080
	GPRS_4TX	Left side	128	824.2	30.62	31.0	1.091	0.067	0.073
	GPRS_4TX	Bottom side	128	824.2	30.62	31.0	1.091	0.196	0.214

GSM1900 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
56.	GPRS_2TX	Back Side	810	1909.8	27.10	27.5	1.096	0.325	<b>0.356</b>
	GPRS_2TX	Front Side	810	1909.8	27.10	27.5	1.096	0.304	0.333
	GPRS_2TX	Left side	810	1909.8	27.10	27.5	1.096	0.186	0.204
	GPRS_2TX	Top Side	810	1909.8	27.10	27.5	1.096	0.215	0.236

WCDMA Band 2 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
57.	RMC 12.2k	Back Side	9262	1852.4	21.14	21.5	1.086	0.453	<b>0.492</b>
	RMC 12.2k	Front Side	9262	1852.4	21.14	21.5	1.086	0.200	0.217
	RMC 12.2k	Left side	9262	1852.4	21.14	21.5	1.086	0.163	0.177
	RMC 12.2k	Top Side	9262	1852.4	21.14	21.5	1.086	0.229	0.249

WCDMA Band 4 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
58.	RMC 12.2k	Back Side	1513	1752.6	20.59	21.0	1.099	0.445	<b>0.489</b>
	RMC 12.2k	Front Side	1513	1752.6	20.59	21.0	1.099	0.204	0.224
	RMC 12.2k	Left side	1513	1752.6	20.59	21.0	1.099	0.161	0.177
	RMC 12.2k	Top Side	1513	1752.6	20.59	21.0	1.099	0.214	0.235

WCDMA Band 5 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
59.	RMC 12.2k	Back Side	4132	826.4	23.40	23.5	1.023	0.316	<b>0.323</b>
	RMC 12.2k	Front Side	4132	826.4	23.40	23.5	1.023	0.250	0.256
	RMC 12.2k	Right side	4132	826.4	23.40	23.5	1.023	0.089	0.091
	RMC 12.2k	Left side	4132	826.4	23.40	23.5	1.023	0.074	0.076
	RMC 12.2k	Bottom side	4132	826.4	23.40	23.5	1.023	0.209	0.214

LTE Band 2–Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)	
	Modulation, Bandwidth, RB		MHz						
60.	16QAM 20MHz 1RB	Back Side	1880	21.86	22.0	1.033	0.288	<b>0.297</b>	
	16QAM 20MHz 1RB	Front Side	1880	21.86	22.0	1.033	0.179	0.185	
	16QAM 20MHz 1RB	Left side	1880	21.86	22.0	1.033	0.163	0.168	
	16QAM 20MHz 1RB	Top Side	1880	21.86	22.0	1.033	0.240	0.248	
	16QAM 20MHz 50%RB	Back Side	1880	21.86	22.0	1.033	0.233	0.241	
	16QAM 20MHz 50%RB	Front Side	1880	21.86	22.0	1.033	0.149	0.154	
	16QAM 20MHz 50%RB	Left side	1880	21.86	22.0	1.033	0.120	0.124	
	16QAM 20MHz 50%RB	Top Side	1880	21.86	22.0	1.033	0.221	0.228	

LTE Band 4–Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)	
	Modulation, Bandwidth, RB		MHz						
	QPSK 20MHz 1RB	Back Side	1745	21.93	22.0	1.016	0.220	0.224	
	QPSK 20MHz 1RB	Front Side	1745	21.93	22.0	1.016	0.207	0.210	
	QPSK 20MHz 1RB	Left side	1745	21.93	22.0	1.016	0.175	0.178	
61.	QPSK 20MHz 1RB	Top Side	1745	21.93	22.0	1.016	0.246	<b>0.250</b>	
	QPSK 20MHz 50%RB	Back Side	1745	21.93	22.0	1.016	0.210	0.213	
	QPSK 20MHz 50%RB	Front Side	1745	21.93	22.0	1.016	0.198	0.201	
	QPSK 20MHz 50%RB	Left side	1745	21.93	22.0	1.016	0.155	0.158	
	QPSK 20MHz 50%RB	Top Side	1745	21.93	22.0	1.016	0.149	0.151	

LTE Band 5–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
62.	QPSK 10MHz 1RB	Back Side	844	23.28	23.5	1.052	0.362	<b>0.381</b>
	QPSK 10MHz 1RB	Front Side	844	23.28	23.5	1.052	0.244	0.257
	QPSK 10MHz 1RB	Right side	844	23.28	23.5	1.052	0.228	0.240
	QPSK 10MHz 1RB	Left side	844	23.28	23.5	1.052	0.104	0.109
	QPSK 10MHz 1RB	Bottom side	844	23.28	23.5	1.052	0.269	0.283
	QPSK 10MHz 50%RB	Back Side	844	23.28	23.5	1.052	0.256	0.269
	QPSK 10MHz 50%RB	Front Side	844	23.28	23.5	1.052	0.195	0.205
	QPSK 10MHz 50%RB	Right side	844	23.28	23.5	1.052	0.136	0.143
	QPSK 10MHz 50%RB	Left side	844	23.28	23.5	1.052	0.098	0.103
	QPSK 10MHz 50%RB	Bottom side	844	23.28	23.5	1.052	0.222	0.234

LTE Band 12–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
63.	QPSK 10MHz 1RB	Back Side	704	24.01	24.5	1.119	0.136	<b>0.152</b>
	QPSK 10MHz 1RB	Front Side	704	24.01	24.5	1.119	0.117	0.131
	QPSK 10MHz 1RB	Right side	704	24.01	24.5	1.119	0.087	0.097
	QPSK 10MHz 1RB	Left side	704	24.01	24.5	1.119	0.040	0.045
	QPSK 10MHz 1RB	Bottom side	704	24.01	24.5	1.119	0.070	0.078
	QPSK 10MHz 50%RB	Back Side	704	24.01	24.5	1.119	0.120	0.134
	QPSK 10MHz 50%RB	Front Side	704	24.01	24.5	1.119	0.103	0.115
	QPSK 10MHz 50%RB	Right side	704	24.01	24.5	1.119	0.064	0.072
	QPSK 10MHz 50%RB	Left side	704	24.01	24.5	1.119	0.020	0.022
	QPSK 10MHz 50%RB	Bottom side	704	24.01	24.5	1.119	0.043	0.048



LTE Band 13–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
64.	QPSK 10MHz 1RB	Back Side	782	23.29	23.5	1.050	0.394	<b>0.414</b>
	QPSK 10MHz 1RB	Front Side	782	23.29	23.5	1.050	0.242	0.254
	QPSK 10MHz 1RB	Right side	782	23.29	23.5	1.050	0.157	0.165
	QPSK 10MHz 1RB	Left side	782	23.29	23.5	1.050	0.051	0.054
	QPSK 10MHz 1RB	Bottom side	782	23.29	23.5	1.050	0.324	0.340
	QPSK 10MHz 50%RB	Back Side	782	23.29	23.5	1.050	0.285	0.299
	QPSK 10MHz 50%RB	Front Side	782	23.29	23.5	1.050	0.212	0.223
	QPSK 10MHz 50%RB	Right side	782	23.29	23.5	1.050	0.122	0.128
	QPSK 10MHz 50%RB	Left side	782	23.29	23.5	1.050	0.031	0.033
	QPSK 10MHz 50%RB	Bottom side	782	23.29	23.5	1.050	0.234	0.246

LTE Band 17–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
65.	QPSK 10MHz 1RB	Back Side	709	23.53	24.0	1.114	0.147	<b>0.164</b>
	QPSK 10MHz 1RB	Front Side	709	23.53	24.0	1.114	0.133	0.148
	QPSK 10MHz 1RB	Right side	709	23.53	24.0	1.114	0.088	0.098
	QPSK 10MHz 1RB	Left side	709	23.53	24.0	1.114	0.043	0.048
	QPSK 10MHz 1RB	Bottom side	709	23.53	24.0	1.114	0.076	0.085
	QPSK 10MHz 50%RB	Back Side	709	23.53	24.0	1.114	0.124	0.138
	QPSK 10MHz 50%RB	Front Side	709	23.53	24.0	1.114	0.113	0.126
	QPSK 10MHz 50%RB	Right side	709	23.53	24.0	1.114	0.058	0.065
	QPSK 10MHz 50%RB	Left side	709	23.53	24.0	1.114	0.022	0.025
	QPSK 10MHz 50%RB	Bottom side	709	23.53	24.0	1.114	0.056	0.062

LTE Band 25–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
66.	QPSK 20MHz 1RB	Back Side	1860	22.08	22.5	1.102	0.281	<b>0.310</b>
	QPSK 20MHz 1RB	Front Side	1860	22.08	22.5	1.102	0.198	0.218
	QPSK 20MHz 1RB	Left side	1860	22.08	22.5	1.102	0.178	0.196
	QPSK 20MHz 1RB	Top Side	1860	22.08	22.5	1.102	0.231	0.254
	QPSK 20MHz 50%RB	Back Side	1860	22.08	22.5	1.102	0.243	0.268
	QPSK 20MHz 50%RB	Front Side	1860	22.08	22.5	1.102	0.176	0.194
	QPSK 20MHz 50%RB	Left side	1860	22.08	22.5	1.102	0.129	0.142
	QPSK 20MHz 50%RB	Top Side	1860	22.08	22.5	1.102	0.221	0.243

LTE Band 26(814-824MHz)–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
67.	QPSK 10MHz 1RB	Back Side	819	23.46	23.5	1.009	0.296	<b>0.299</b>
	QPSK 10MHz 1RB	Front Side	819	23.46	23.5	1.009	0.237	0.239
	QPSK 10MHz 1RB	Right side	819	23.46	23.5	1.009	0.223	0.225
	QPSK 10MHz 1RB	Left side	819	23.46	23.5	1.009	0.126	0.127
	QPSK 10MHz 1RB	Bottom side	819	23.46	23.5	1.009	0.164	0.166
	QPSK 10MHz 50%RB	Back Side	819	23.46	23.5	1.009	0.267	0.269
	QPSK 10MHz 50%RB	Front Side	819	23.46	23.5	1.009	0.213	0.215
	QPSK 10MHz 50%RB	Right side	819	23.46	23.5	1.009	0.206	0.208
	QPSK 10MHz 50%RB	Left side	819	23.46	23.5	1.009	0.110	0.111
	QPSK 10MHz 50%RB	Bottom side	819	23.46	23.5	1.009	0.132	0.133

LTE Band 26(824-849MHz)–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
68.	QPSK 15MHz 1RB	Back Side	841.5	23.56	24.0	1.107	0.357	<b>0.395</b>
	QPSK 15MHz 1RB	Front Side	841.5	23.56	24.0	1.107	0.230	0.255
	QPSK 15MHz 1RB	Right side	841.5	23.56	24.0	1.107	0.232	0.257
	QPSK 15MHz 1RB	Left side	841.5	23.56	24.0	1.107	0.112	0.124
	QPSK 15MHz 1RB	Bottom side	841.5	23.56	24.0	1.107	0.239	0.264
	QPSK 15MHz 50%RB	Back Side	841.5	23.56	24.0	1.107	0.310	0.343
	QPSK 15MHz 50%RB	Front Side	841.5	23.56	24.0	1.107	0.211	0.233
	QPSK 15MHz 50%RB	Right side	841.5	23.56	24.0	1.107	0.222	0.246
	QPSK 15MHz 50%RB	Left side	841.5	23.56	24.0	1.107	0.098	0.108
	QPSK 15MHz 50%RB	Bottom side	841.5	23.56	24.0	1.107	0.186	0.206

LTE Band 41–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
69.	QPSK 20MHz 1RB	Back Side	2680	22.70	23.0	1.072	0.252	<b>0.270</b>
	QPSK 20MHz 1RB	Front Side	2680	22.70	23.0	1.072	0.173	0.185
	QPSK 20MHz 1RB	Left side	2680	22.70	23.0	1.072	0.193	0.207
	QPSK 20MHz 50%RB	Back Side	2680	22.70	23.0	1.072	0.211	0.226
	QPSK 20MHz 50%RB	Right side	2680	22.70	23.0	1.072	0.139	0.149
	QPSK 20MHz 50%RB	Left side	2680	22.70	23.0	1.072	0.173	0.185

LTE Band 66–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	1745	22.62	23.0	1.091	0.217	0.237
	QPSK 20MHz 1RB	Front Side	1745	22.62	23.0	1.091	0.206	0.225
	QPSK 20MHz 1RB	Left side	1745	22.62	23.0	1.091	0.173	0.189
70.	QPSK 20MHz 1RB	Top Side	1745	22.62	23.0	1.091	0.245	<b>0.267</b>
	QPSK 20MHz 50%RB	Back Side	1745	22.62	23.0	1.091	0.198	0.216
	QPSK 20MHz 50%RB	Front Side	1745	22.62	23.0	1.091	0.109	0.119
	QPSK 20MHz 50%RB	Left side	1745	22.62	23.0	1.091	0.143	0.156
	QPSK 20MHz 50%RB	Top Side	1745	22.62	23.0	1.091	0.145	0.158

LTE Band 71–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
71.	QPSK 20MHz 1RB	Back Side	673	24.23	24.5	1.064	0.157	<b>0.167</b>
	QPSK 20MHz 1RB	Front Side	673	24.23	24.5	1.064	0.129	0.137
	QPSK 20MHz 1RB	Right side	673	24.23	24.5	1.064	0.088	0.094
	QPSK 20MHz 1RB	Left side	673	24.23	24.5	1.064	0.117	0.125
	QPSK 20MHz 1RB	Bottom side	673	24.23	24.5	1.064	0.078	0.083
	QPSK 20MHz 50%RB	Back Side	673	24.23	24.5	1.064	0.132	0.140
	QPSK 20MHz 50%RB	Front Side	673	24.23	24.5	1.064	0.108	0.115
	QPSK 20MHz 50%RB	Right side	673	24.23	24.5	1.064	0.066	0.070
	QPSK 20MHz 50%RB	Left side	673	24.23	24.5	1.064	0.104	0.111
	QPSK 20MHz 50%RB	Bottom side	673	24.23	24.5	1.064	0.058	0.062

NR n5–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
72.	CP-OFDM-64QAM 20MHz 1RB	Back Side	839	24.77	25.0	1.054	0.262	<b>0.276</b>
	CP-OFDM-64QAM 20MHz 1RB	Front Side	839	24.77	25.0	1.054	0.121	0.128
	CP-OFDM-64QAM 20MHz 1RB	Right side	839	24.77	25.0	1.054	0.042	0.044
	CP-OFDM-64QAM 20MHz 1RB	Left side	839	24.77	25.0	1.054	0.177	0.187
	CP-OFDM-64QAM 20MHz 1RB	Bottom side	839	24.77	25.0	1.054	0.068	0.072
	CP-OFDM-64QAM 20MHz 50%RB	Back Side	839	24.77	25.0	1.054	0.229	0.241
	CP-OFDM-64QAM 20MHz 50%RB	Front Side	839	24.77	25.0	1.054	0.115	0.121
	CP-OFDM-64QAM 20MHz 50%RB	Right side	839	24.77	25.0	1.054	0.039	0.041
	CP-OFDM-64QAM 20MHz 50%RB	Left side	839	24.77	25.0	1.054	0.154	0.162
	CP-OFDM-64QAM 20MHz 50%RB	Bottom side	839	24.77	25.0	1.054	0.059	0.062

NR n41–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
73.	DFT-s-OFDM QPSK 100MHz 1RB	Back Side	2593	20.89	21.0	1.026	0.275	<b>0.282</b>
	DFT-s-OFDM QPSK 100MHz 1RB	Front Side	2593	20.89	21.0	1.026	0.203	0.208
	DFT-s-OFDM QPSK 100MHz 1RB	Left side	2593	20.89	21.0	1.026	0.252	0.258
	DFT-s-OFDM QPSK 100MHz 50%RB	Back Side	2593	20.89	21.0	1.026	0.233	0.239
	DFT-s-OFDM QPSK 100MHz 50%RB	Front Side	2593	20.89	21.0	1.026	0.184	0.189
	DFT-s-OFDM QPSK 100MHz 50%RB	Left side	2593	20.89	21.0	1.026	0.165	0.169

NR n71–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
74.	CP-OFDM-QPSK 20MHz 1RB	Back Side	680.5	23.68	24.0	1.076	0.222	<b>0.239</b>
	CP-OFDM-QPSK 20MHz 1RB	Front Side	680.5	23.68	24.0	1.076	0.136	0.146
	CP-OFDM-QPSK 20MHz 1RB	Right side	680.5	23.68	24.0	1.076	0.092	0.099
	CP-OFDM-QPSK 20MHz 1RB	Left side	680.5	23.68	24.0	1.076	0.109	0.117
	CP-OFDM-QPSK 20MHz 1RB	Bottom side	680.5	23.68	24.0	1.076	0.129	0.139
	CP-OFDM-QPSK 20MHz 50%RB	Back Side	680.5	23.68	24.0	1.076	0.182	0.196
	CP-OFDM-QPSK 20MHz 50%RB	Front Side	680.5	23.68	24.0	1.076	0.117	0.126
	CP-OFDM-QPSK 20MHz 50%RB	Right side	680.5	23.68	24.0	1.076	0.078	0.084
	CP-OFDM-QPSK 20MHz 50%RB	Left side	680.5	23.68	24.0	1.076	0.101	0.109
	CP-OFDM-QPSK 20MHz 50%RB	Bottom side	680.5	23.68	24.0	1.076	0.117	0.126

WLAN 5.2GHz –Body SAR Test(10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Side	48	5240	15.36	15.5	1.0328	0.185	0.1911
75.	802.11a	Front Side	48	5240	15.36	15.5	1.0328	0.575	<b>0.5938</b>
	802.11a	Right side	48	5240	15.36	15.5	1.0328	0.454	0.4689
	802.11a	Top side	48	5240	15.36	15.5	1.0328	0.56	0.5783

WLAN 5.8GHz –Body SAR Test(10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Side	149	5745	15.26	15.5	1.0568	0.338	0.3572
	802.11a	Front Side	149	5745	15.26	15.5	1.0568	0.328	0.3466
	802.11a	Right side	149	5745	15.26	15.5	1.0568	0.33	0.3487
76.	802.11a	Top side	149	5745	15.26	15.5	1.0568	0.394	<b>0.4164</b>

WLAN 2.4GHz –Body SAR Test(10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
77.	802.11b	Back Side	06	2437	19.30	19.5	1.047	0.589	<b>0.617</b>
	802.11b	Front Side	06	2437	19.30	19.5	1.047	0.387	0.405
	802.11b	Right side	06	2437	19.30	19.5	1.047	0.267	0.280
	802.11b	Top side	06	2437	19.30	19.5	1.047	0.324	0.339

Bluetooth –Body SAR Test(10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			MHz						
78.	Bluetooth	Back Side	2480		1.51	2.0	1.119	0.117	<b>0.131</b>
	Bluetooth	Front Side	2480		1.51	2.0	1.119	0.066	0.074
	Bluetooth	Right side	2480		1.51	2.0	1.119	0.040	0.045
	Bluetooth	Top side	2480		1.51	2.0	1.119	0.049	0.055

**Remark:1.** Per KDB 447498 D01 v06, if the highest output channel SAR for each exposure position  $\leq 0.8$  W/kg other channels SAR tests are not necessary.

2. Repeated measurement is not required when the original highest measured SAR is  $< 0.80$  W/kg; steps 3) through 5) do not apply.

3. When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.

4. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$  or when the original or repeated measurement is  $\geq 1.45$  W/kg (~ 10% from the 1-g SAR limit).

5. Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .

### 9.3 Simultaneous Multi-band Transmission SAR Analysis

#### List of Mode for Simultaneous Multi-band Transmission

No.	Configurations	Head SAR	Body SAR
1	GSM(Voice/Data) + WLAN(2.4G)(Data)	Yes	Yes
2	WCDMA (Voice/Data)+ WLAN(2.4G)(Data)	Yes	Yes
3	LTE(Data) + WLAN(2.4G)(Data)	Yes	Yes
4	NR(Data) + WLAN(2.4G)(Data)	Yes	Yes
5	GSM(Voice/Data) + WLAN(5G)(Data)	Yes	Yes
6	WCDMA (Voice/Data)+ WLAN(5G)(Data)	Yes	Yes
7	LTE(Data) + WLAN(5G)(Data)	Yes	Yes
8	NR(Data) + WLAN(5G)(Data)	Yes	Yes
9	GSM(Voice/Data) + Bluetooth(Data)	Yes	Yes
10	WCDMA (Voice/Data) + Bluetooth(Data)	Yes	Yes
11	LTE(Data) + Bluetooth(Data)	Yes	Yes
12	NR(Data) + Bluetooth(Data)	Yes	Yes

#### Remark:

- GSM ,WCDMA , LTE, and NR share the same antenna, and cannot transmit simultaneously.
- WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
- According to the KDB 447498 D01 v06, when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:  

$$(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})} / x]$$
W/kg for test separation distances  $\leq 50$  mm;  
where  $x = 7.5$  for 1-g SAR, and  $x = 18.75$  for 10-g SAR.
- The maximum SAR summation is calculated based on the same configuration and test position.



**Head SAR****WWAN and WLAN**

Position	WWAN		WLAN(2.4GHz)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	GSM	0.414	0.199	0.613
Right Tilted	GSM	0.229	0.176	0.405
Left Cheek	GSM	<b>0.460</b>	<b>0.327</b>	<b>0.787</b>
Left Tilted	GSM	0.241	0.255	0.496
Right Cheek	WCDMA	<b>0.314</b>	0.199	0.513
Right Tilted	WCDMA	0.233	0.176	0.409
Left Cheek	WCDMA	0.294	<b>0.327</b>	0.621
Left Tilted	WCDMA	0.177	0.255	0.432
Right Cheek	LTE	<b>0.415</b>	0.199	0.614
Right Tilted	LTE	0.381	0.176	0.557
Left Cheek	LTE	0.444	<b>0.327</b>	0.771
Left Tilted	LTE	0.230	0.255	0.485
Right Cheek	NR	0.202	0.199	0.401
Right Tilted	NR	0.148	0.176	0.324
Left Cheek	NR	<b>0.213</b>	<b>0.327</b>	0.540
Left Tilted	NR	0.153	0.255	0.408

Position	WWAN		WLAN(5GHz)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	GSM	0.414	0.566	0.980
Right Tilted	GSM	0.229	0.470	0.699
Left Cheek	GSM	<b>0.460</b>	<b>0.685</b>	<b>1.145</b>
Left Tilted	GSM	0.241	0.621	0.862
Right Cheek	WCDMA	<b>0.314</b>	0.566	0.880
Right Tilted	WCDMA	0.233	0.470	0.703
Left Cheek	WCDMA	0.294	<b>0.685</b>	0.979
Left Tilted	WCDMA	0.177	0.621	0.798
Right Cheek	LTE	<b>0.415</b>	0.566	0.981
Right Tilted	LTE	0.381	0.470	0.851
Left Cheek	LTE	0.444	<b>0.685</b>	1.129
Left Tilted	LTE	0.230	0.621	0.851
Right Cheek	NR	0.202	0.566	0.768
Right Tilted	NR	0.148	0.470	0.618
Left Cheek	NR	<b>0.213</b>	<b>0.685</b>	0.898
Left Tilted	NR	0.153	0.621	0.774

**WWAN and Bluetooth**

Position	WWAN		Bluetooth	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	GSM	0.414	0.096	0.510
Right Tilted	GSM	0.229	0.055	0.284
Left Cheek	GSM	<b>0.460</b>	<b>0.200</b>	<b>0.660</b>
Left Tilted	GSM	0.241	0.110	0.351
Right Cheek	WCDMA	<b>0.314</b>	0.096	0.410
Right Tilted	WCDMA	0.233	0.055	0.288
Left Cheek	WCDMA	0.294	<b>0.200</b>	0.494
Left Tilted	WCDMA	0.177	0.110	0.287
Right Cheek	LTE	<b>0.415</b>	0.096	0.511
Right Tilted	LTE	0.381	0.055	0.436
Left Cheek	LTE	0.444	<b>0.200</b>	0.644
Left Tilted	LTE	0.230	0.110	0.340
Right Cheek	NR	0.202	0.096	0.298
Right Tilted	NR	0.148	0.055	0.203
Left Cheek	NR	<b>0.213</b>	<b>0.200</b>	0.413
Left Tilted	NR	0.153	0.110	0.263

**Body-worn SAR****WWAN and WLAN**

Position	WWAN		WLAN(2.4G)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back side	GSM	<b>0.220</b>	<b>0.441</b>	0.661
Front side	GSM	0.213	0.248	0.461
Back side	WCDMA	<b>0.248</b>	<b>0.441</b>	0.689
Front side	WCDMA	0.200	0.248	0.448
Back side	LTE	<b>0.275</b>	<b>0.441</b>	<b>0.716</b>
Front side	LTE	0.273	0.248	0.521
Back side	NR	<b>0.231</b>	<b>0.441</b>	0.672
Front side	NR	0.130	0.248	0.378

Position	WWAN		WLAN(5G)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back side	GSM	<b>0.220</b>	0.229	0.449
Front side	GSM	0.213	<b>0.437</b>	0.650
Back side	WCDMA	<b>0.248</b>	0.229	0.477
Front side	WCDMA	0.200	<b>0.437</b>	0.637
Back side	LTE	<b>0.275</b>	0.229	0.504
Front side	LTE	0.273	<b>0.437</b>	<b>0.710</b>
Back side	NR	<b>0.231</b>	0.229	0.460
Front side	NR	0.130	<b>0.437</b>	0.567

**WWAN and Bluetooth**

Position	WWAN		Bluetooth	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back side	GSM	<b>0.220</b>	<b>0.041</b>	0.261
Front side	GSM	0.213	0.035	0.248
Back side	WCDMA	<b>0.248</b>	<b>0.041</b>	0.289
Front side	WCDMA	0.200	0.035	0.235
Back side	LTE	<b>0.275</b>	<b>0.041</b>	<b>0.316</b>
Front side	LTE	0.273	0.035	0.308
Back side	NR	<b>0.231</b>	<b>0.041</b>	0.272
Front side	NR	0.130	0.035	0.165

**Hotspot SAR****WWAN and WLAN**

Position	WWAN		WLAN(2.4G)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	<b>0.360</b>	<b>0.617</b>	0.977
Front	GSM	0.333	0.405	0.738
Right side	GSM	0.080	0.280	0.360
Left side	GSM	0.204	--	0.204
Bottom side	GSM	0.214	--	0.214
Top side	GSM	0.236	0.339	0.575
Back	WCDMA	<b>0.492</b>	<b>0.617</b>	<b>1.109</b>
Front	WCDMA	0.256	0.405	0.661
Right side	WCDMA	0.091	0.280	0.371
Left side	WCDMA	0.177	--	0.177
Bottom side	WCDMA	0.214	--	0.214
Top side	WCDMA	0.249	0.339	0.588
Back	LTE	<b>0.414</b>	<b>0.617</b>	1.031
Front	LTE	0.257	0.405	0.662
Right side	LTE	0.257	0.280	0.537
Left side	LTE	0.207	--	0.207
Bottom side	LTE	0.340	--	0.340
Top side	LTE	0.267	0.339	0.606
Back	NR	<b>0.282</b>	<b>0.617</b>	0.899
Front	NR	0.208	0.405	0.613
Right side	NR	0.099	0.280	0.379
Left side	NR	0.258	--	0.258
Bottom side	NR	0.139	--	0.139
Top side	NR	--	0.339	0.339

Position	WWAN		WLAN(5G)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	<b>0.360</b>	0.357	0.717
Front	GSM	0.333	<b>0.594</b>	<b>0.927</b>
Right side	GSM	0.080	0.496	0.576
Left side	GSM	0.204	--	0.204
Bottom side	GSM	0.214	--	0.214
Top side	GSM	0.236	0.578	0.814
Back	WCDMA	<b>0.492</b>	0.357	0.849
Front	WCDMA	0.256	<b>0.594</b>	0.850
Right side	WCDMA	0.091	0.496	0.587
Left side	WCDMA	0.177	--	0.177
Bottom side	WCDMA	0.214	--	0.214
Top side	WCDMA	0.249	0.578	0.827
Back	LTE	<b>0.414</b>	0.357	0.771
Front	LTE	0.257	<b>0.594</b>	0.851
Right side	LTE	0.257	0.496	0.753
Left side	LTE	0.207	--	0.207
Bottom side	LTE	0.340	--	0.340
Top side	LTE	0.267	0.578	0.845
Back	NR	<b>0.282</b>	0.357	0.639
Front	NR	0.208	<b>0.594</b>	0.802
Right side	NR	0.099	0.496	0.595
Left side	NR	0.258	--	0.258
Bottom side	NR	0.139	--	0.139
Top side	NR	--	0.578	0.578

**WWAN and Bluetooth**

Position	WWAN		Bluetooth	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	<b>0.360</b>	<b>0.131</b>	0.491
Front	GSM	0.333	0.074	0.407
Right side	GSM	0.080	0.045	0.125
Left side	GSM	0.204	--	0.204
Bottom side	GSM	0.214	--	0.214
Top side	GSM	0.236	0.055	0.291
Back	WCDMA	<b>0.492</b>	<b>0.131</b>	<b>0.623</b>
Front	WCDMA	0.256	0.074	0.330
Right side	WCDMA	0.091	0.045	0.136
Left side	WCDMA	0.177	--	0.177
Bottom side	WCDMA	0.214	--	0.214
Top side	WCDMA	0.249	0.055	0.304
Back	LTE	<b>0.414</b>	<b>0.131</b>	0.545
Front	LTE	0.257	0.074	0.331
Right side	LTE	0.257	0.045	0.302
Left side	LTE	0.207	--	0.207
Bottom side	LTE	0.340	--	0.340
Top side	LTE	0.267	0.055	0.322
Back	NR	<b>0.282</b>	<b>0.131</b>	0.413
Front	NR	0.208	0.074	0.282
Right side	NR	0.099	0.045	0.144
Left side	NR	0.258	--	0.258
Bottom side	NR	0.139	--	0.139
Top side	NR	--	0.055	0.055

## 10. Measurement Uncertainty

### 10.1 Uncertainty for SAR Test

a	b	c	d	e= f(d,k)	f	g	h= c*f/e	i= c*g/e	k
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	Vi
<b>Measurement System</b>									
Probe calibration	E.2.1	7.0	N		1	1	7.00	7.00	
Axial Isotropy	E.2.2	2.5	R		$(1_{-Cp})^{1/2}$	$(1_{-Cp})^{1/2}$	1.02	1.02	
Hemispherical Isotropy	E.2.2	4.0	R		$(Cp)^{1/2}$	$(Cp)^{1/2}$	1.63	1.63	
Boundary effect	E.2.3	1.0	R		1	1	0.58	0.58	
Linearity	E.2.4	5.0	R		1	1	2.89	2.89	
System detection limits	E.2.5	1.0	R		1	1	0.58	0.58	
Readout Electronics	E.2.6	0.02	N		1	1	0.02	0.02	
Reponse Time	E.2.7	3.0	R		1	1	1.73	1.73	
Integration Time	E.2.8	2.0	R		1	1	1.15	1.15	
RF ambient Conditions -	E.6.1	0	R		1	1	1.73	1.73	
RF ambient Conditions - Reflections	E.6.1	0	R		1	1	1.73	1.73	
Probe positioner Mechanical Tolerance	E.6.2	2.0	R		1	1	1.15	1.15	
Probe positioning with respect to Phantom Shell	E.6.3	0.05	R		1	1	0.03	0.03	
Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	E.5	5.0	R		1	1	2.89	2.89	
<b>Test Sample Related</b>									
Test sample positioning	E.4.2	0.03	N		1	1	0.03	0.03	
Device Holder Uncertainty	E.4.1	5.00	N		1	1	5.00	5.00	
Output power Variation - SAR drift measurement	E.2.9	12.02	R		1	1	6.94	6.94	
SAR scaling	E6.5	0.0	R		1	1	0.0	0.0	
<b>Phantom and Tissue Parameters</b>									
Phantom Uncertainty (Shape and thickness tolerances)	E.3.1	0.05	R		1	1	0.03	0.03	



Uncertainty in SAR correction for deviations in permittivity and conductivity	E3.2	1.9	R		1	0.84	1.10	0.90	
Liquid conductivity - deviation from target value	E.3.2	5.00	R		0.64	0.43	1.85	1.24	
Liquid conductivity - measurement uncertainty	E.3.3	5.00	N		0.64	0.43	3.20	2.15	
Liquid permittivity - deviation from target value	E.3.2	0.37	R		0.6	0.49	0.13	0.10	
Liquid permittivity - measurement uncertainty	E.3.3	10.00	N		0.6	0.49	6.00	4.90	
Combined Standard Uncertainty			RSS				10.20	10.00	
Expanded Uncertainty (95% Confidence interval)			K=2				20.40	20.00	

## Annex A. Plots of System Performance Check

# MEASUREMENT 1

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2022-10-08

Measurement duration: 7 minutes 21 seconds

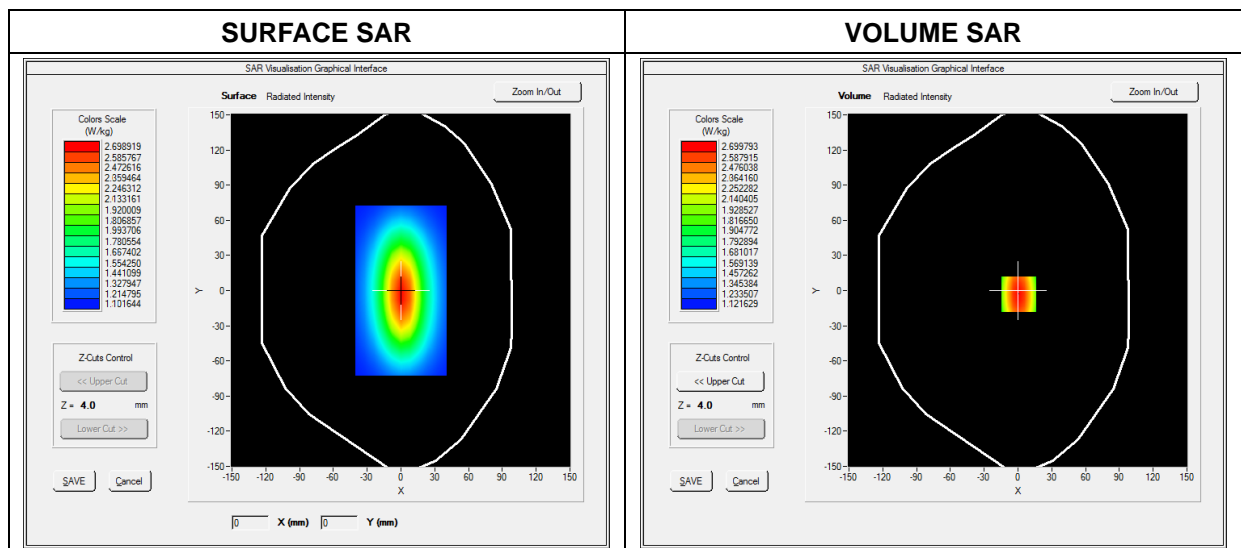
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.66; Calibrated: 2022-07-08

### A. Experimental conditions

<b>Area Scan</b>	dx=8mm dy=8mm
<b>Zoom Scan</b>	dx=5mm dy=5mm dz=4mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	CW750
<b>Signal</b>	Duty Cycle 1:1

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	750.000000
<b>Relative Permittivity (real part)</b>	41.310574
<b>Conductivity (S/m)</b>	0.852373
<b>Power Variation (%)</b>	0.038363
<b>Ambient Temperature</b>	23.5
<b>Liquid Temperature</b>	23.5

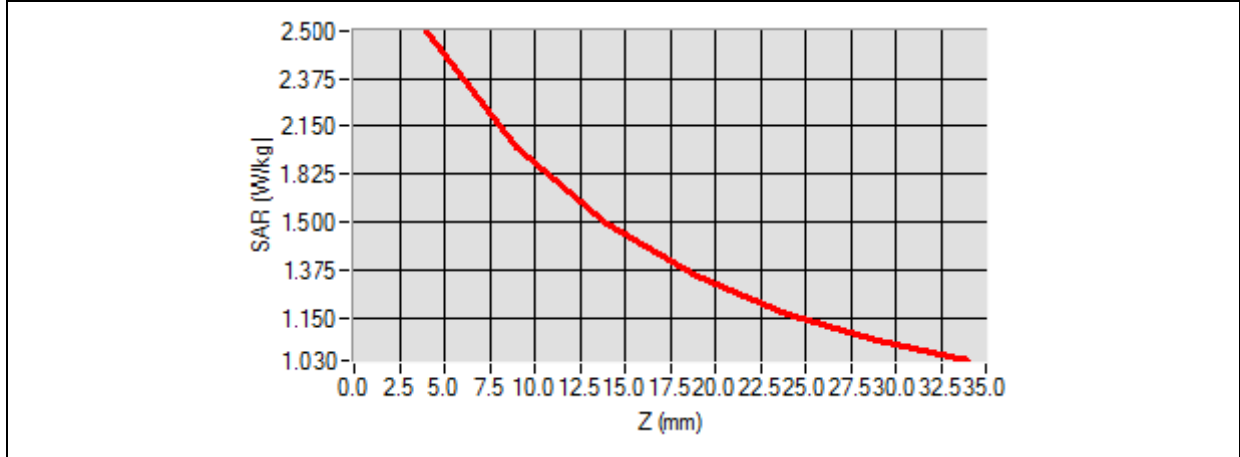


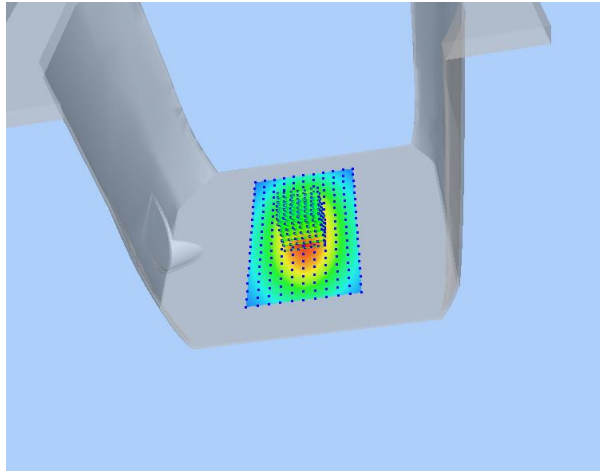
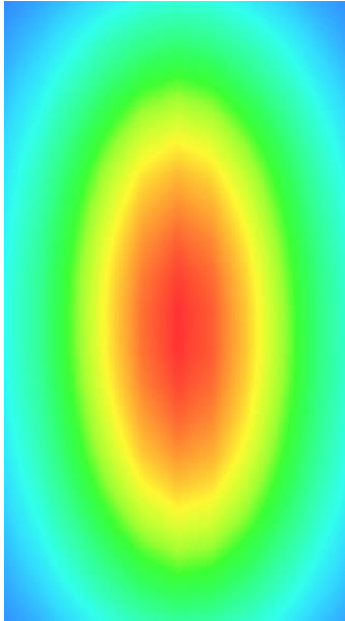
Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.042744
SAR 1g (W/Kg)	2.164534

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.3634	1.8023	1.4523	1.2514	1.1005	1.0245



3D screen shot	Hot spot position
	

# MEASUREMENT 2

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2022-10-08

Measurement duration: 7 minutes 21 seconds

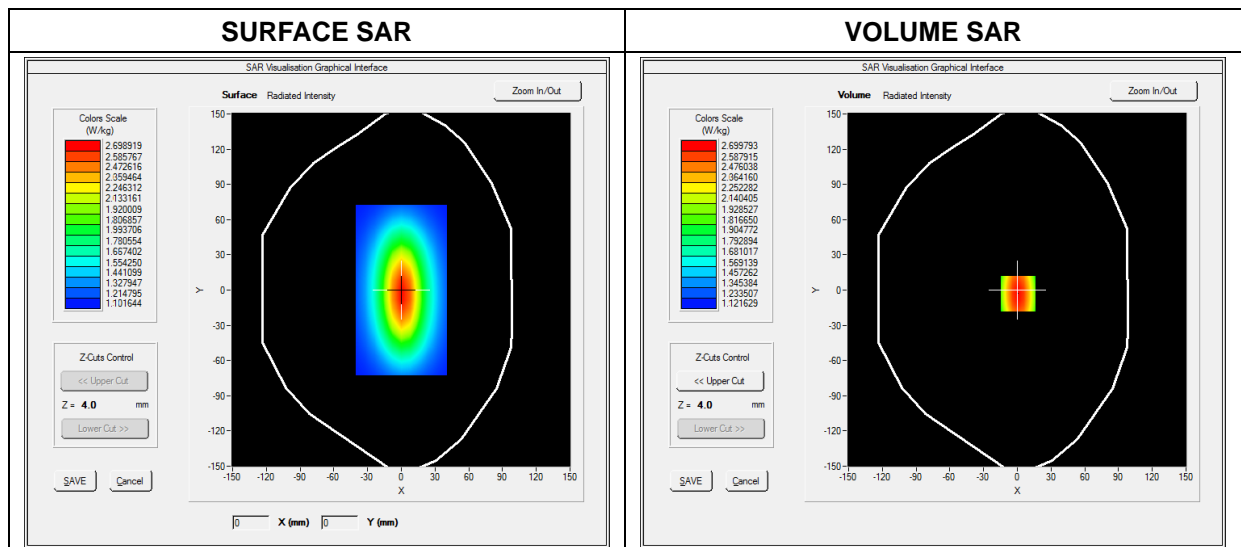
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.71; Calibrated: 2022-07-08

## A. Experimental conditions

<b>Area Scan</b>	dx=8mm dy=8mm
<b>Zoom Scan</b>	dx=5mm dy=5mm dz=4mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	CW835
<b>Signal</b>	Duty Cycle 1:1

## B. SAR Measurement Results

<b>Frequency (MHz)</b>	835.000000
<b>Relative Permittivity (real part)</b>	41.160245
<b>Conductivity (S/m)</b>	0.881245
<b>Power Variation (%)</b>	0.038437
<b>Ambient Temperature</b>	23.5
<b>Liquid Temperature</b>	23.5

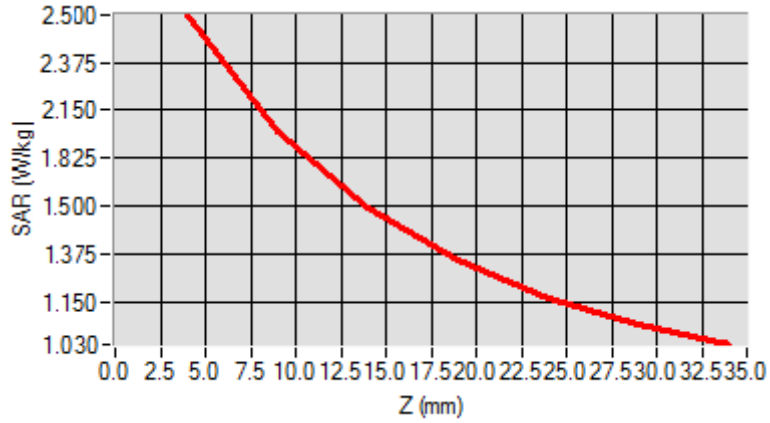


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.519489
SAR 1g (W/Kg)	2.411253

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.4900	1.8942	1.4811	1.3541	1.1123	1.0539



3D screen shot	Hot spot position

# MEASUREMENT 3

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2022-10-08

Measurement duration: 12 minutes 21 seconds

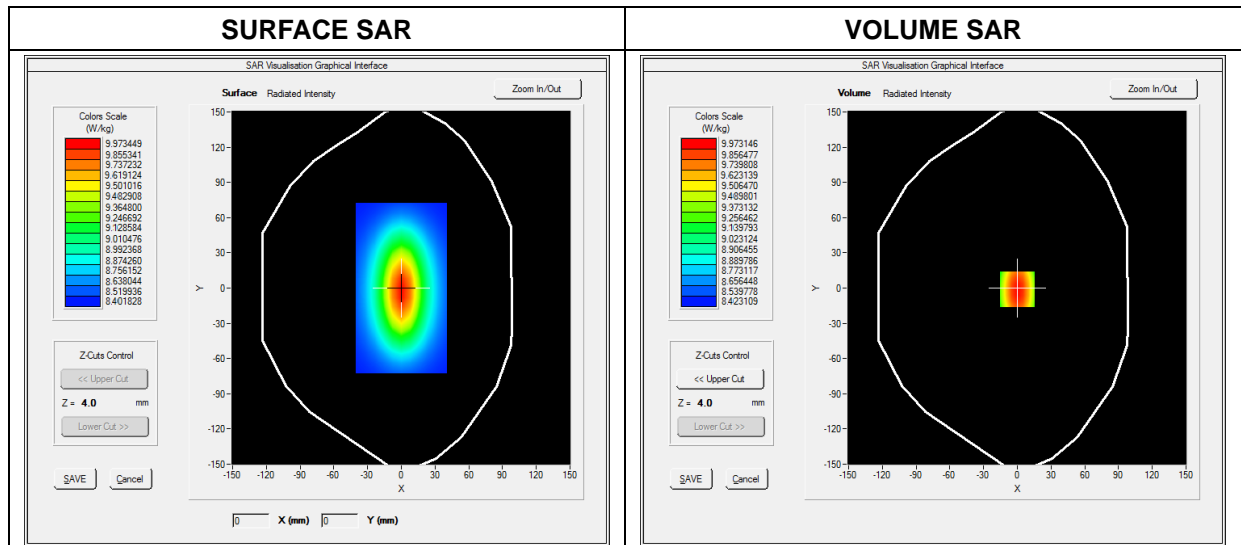
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.11; Calibrated: 2022-07-08

## A. Experimental conditions

<b>Area Scan</b>	dx=8mm dy=8mm
<b>Zoom Scan</b>	dx=5mm dy=5mm dz=4mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	CW1800
<b>Signal</b>	CW (Crest factor: 1.0)

## B. SAR Measurement Results

<b>Frequency (MHz)</b>	1800.000000
<b>Relative Permittivity (real part)</b>	38.604890
<b>Conductivity (S/m)</b>	1.361250
<b>Power Variation (%)</b>	1.401232
<b>Ambient Temperature</b>	23.5
<b>Liquid Temperature</b>	23.5

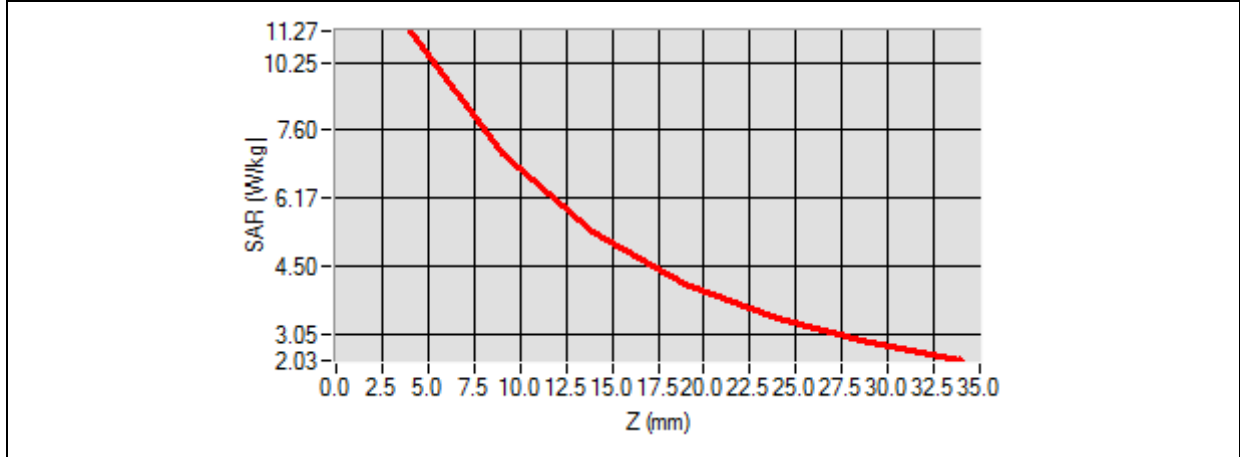


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	5.171252
SAR 1g (W/Kg)	9.611250

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.3455	7.1125	5.1026	3.425	3.0242	2.1125



3D screen shot	Hot spot position

# MEASUREMENT 4

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2022-10-08

Measurement duration: 12 minutes 21 seconds

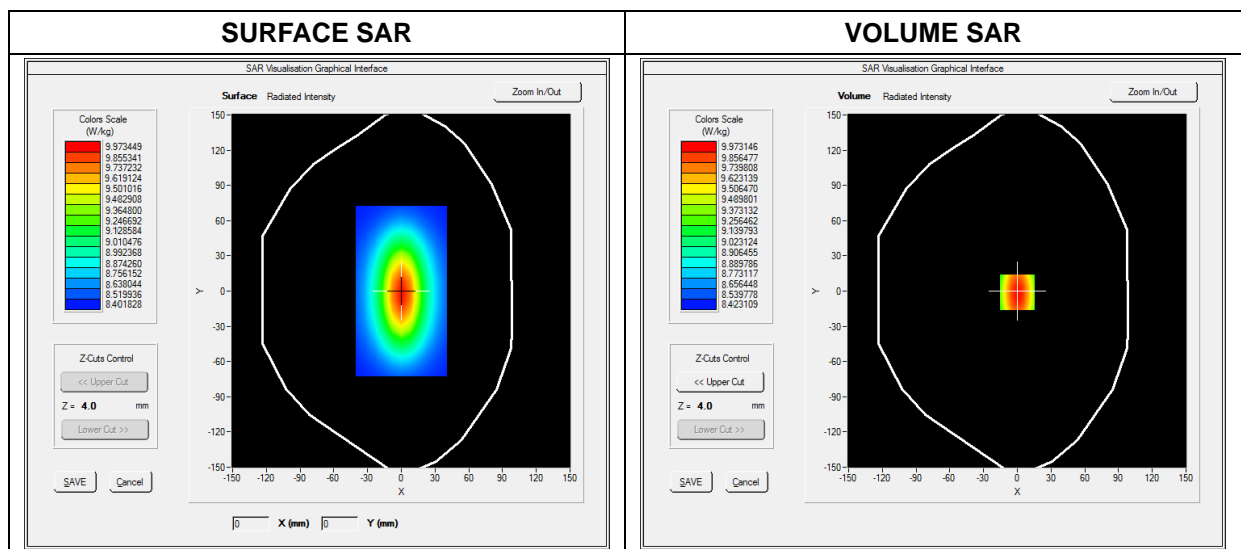
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.21; Calibrated: 2022-07-08

## A. Experimental conditions

<b>Area Scan</b>	dx=8mm dy=8mm
<b>Zoom Scan</b>	dx=5mm dy=5mm dz=4mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	CW1900
<b>Signal</b>	Duty Cycle 1:1

## B. SAR Measurement Results

<b>Frequency (MHz)</b>	1900.000000
<b>Relative Permittivity (real part)</b>	38.580124
<b>Conductivity (S/m)</b>	1.370369
<b>Power Variation (%)</b>	1.022540
<b>Ambient Temperature</b>	23.5
<b>Liquid Temperature</b>	23.5



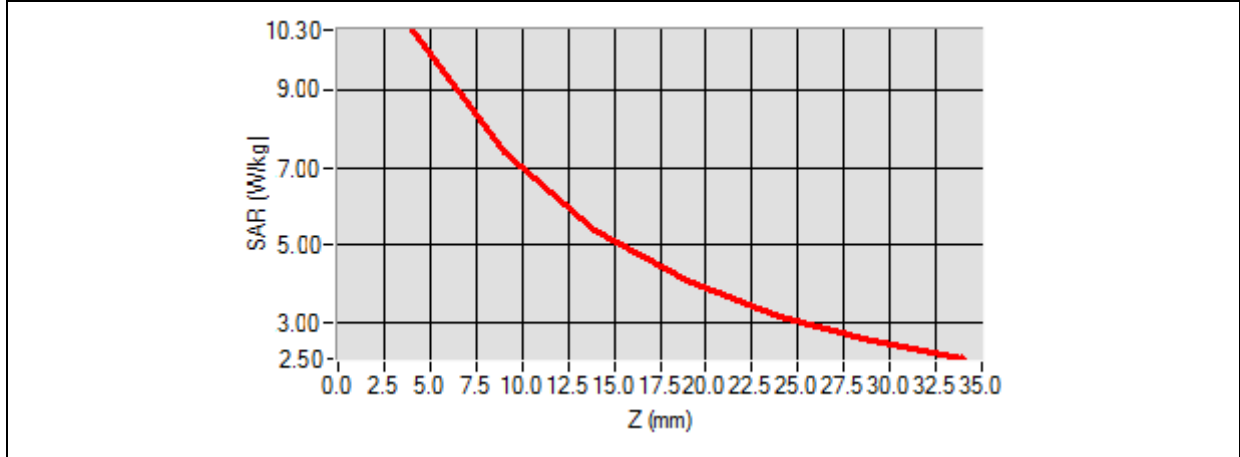


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	5.174526
SAR 1g (W/Kg)	9.913214

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.2354	6.8400	5.0121	4.1189	3.0522	2.8424



3D screen shot	Hot spot position

# MEASUREMENT 5

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2022-10-08

Measurement duration: 12 minutes 21 seconds

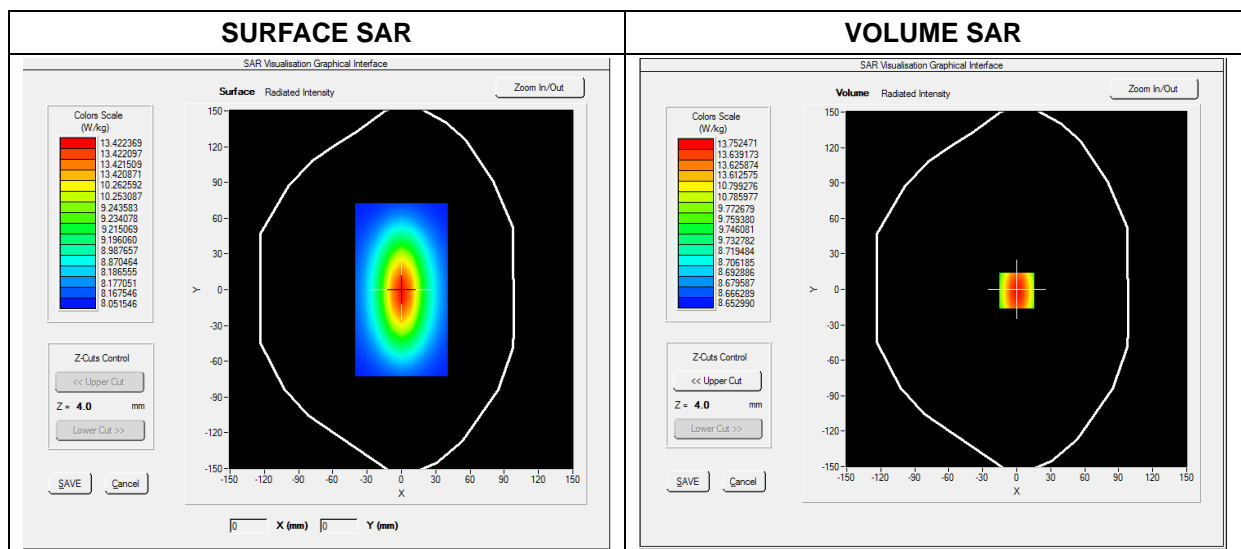
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.29; Calibrated: 2022-07-08

### A. Experimental conditions

<b>Area Scan</b>	dx=8mm dy=8mm
<b>Zoom Scan</b>	dx=5mm dy=5mm dz=4mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	CW2450
<b>Signal</b>	Duty Cycle 1:1

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	2450.000000
<b>Relative Permittivity (real part)</b>	38.203660
<b>Conductivity (S/m)</b>	1.730236
<b>Power Variation (%)</b>	1.141452
<b>Ambient Temperature</b>	23.5
<b>Liquid Temperature</b>	23.5

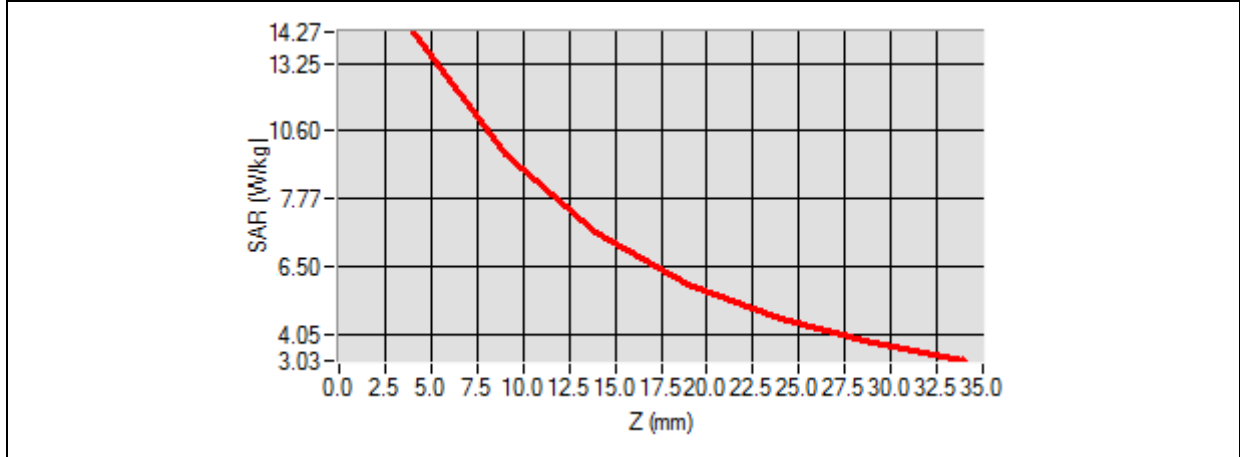


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	8.020427
SAR 1g (W/Kg)	13.452457

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	14.1034	12.0012	10.2624	7.4715	5.9022	4.5114



3D screen shot	Hot spot position

# MEASUREMENT 6

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2022-10-08

Measurement duration: 12 minutes 21 seconds

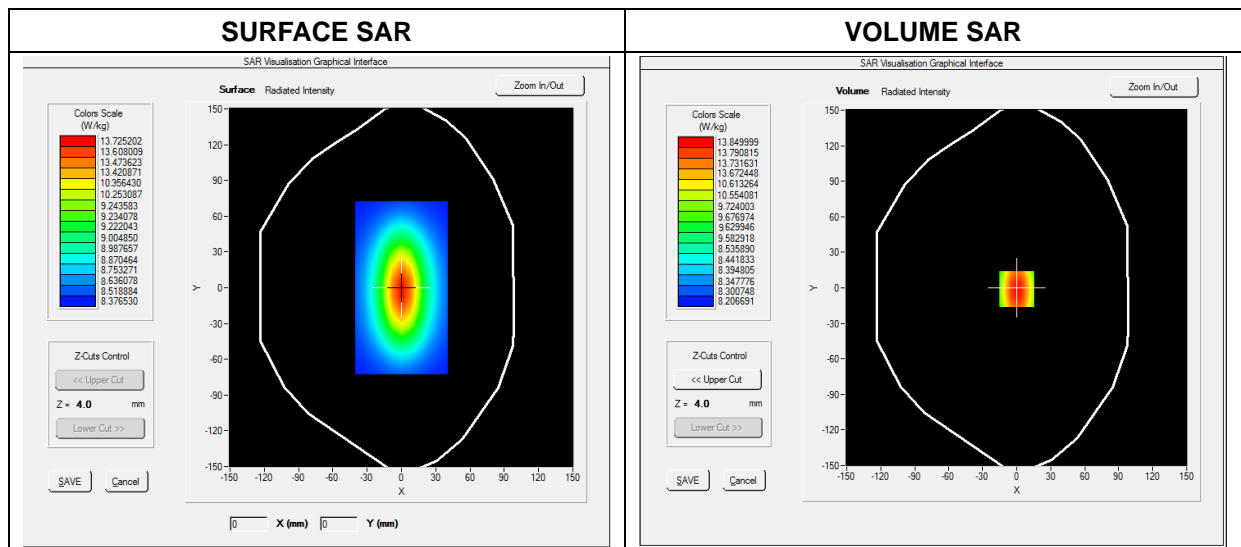
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.22; Calibrated: 2022-07-08

## A. Experimental conditions

<b>Area Scan</b>	dx=8mm dy=8mm
<b>Zoom Scan</b>	dx=5mm dy=5mm dz=4mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	CW2600
<b>Signal</b>	Duty Cycle 1:1

## B. SAR Measurement Results

<b>Frequency (MHz)</b>	2600.000000
<b>Relative Permittivity (real part)</b>	38.651092
<b>Conductivity (S/m)</b>	1.940182
<b>Power Variation (%)</b>	1.028221
<b>Ambient Temperature</b>	23.5
<b>Liquid Temperature</b>	23.5

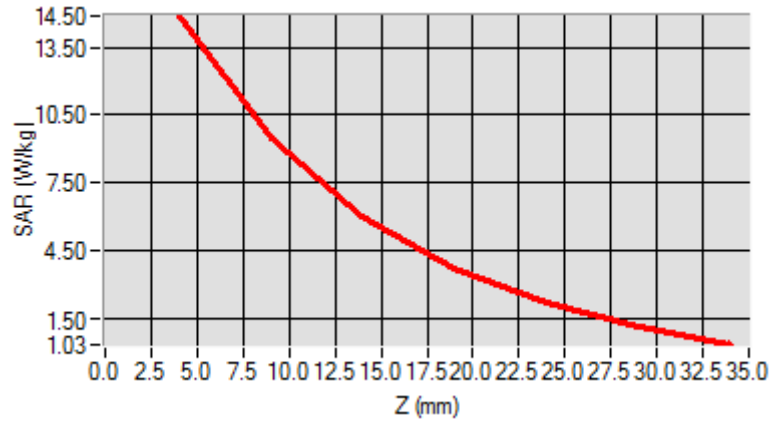


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	8.270822
SAR 1g (W/Kg)	13.670282

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	14.0426	12.1354	10.2965	7.4854	5.9354	4.5186



3D screen shot	Hot spot position

# MEASUREMENT 7

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2022-10-08

Measurement duration: 12 minutes 21 seconds

E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.91; Calibrated: 2022-07-08

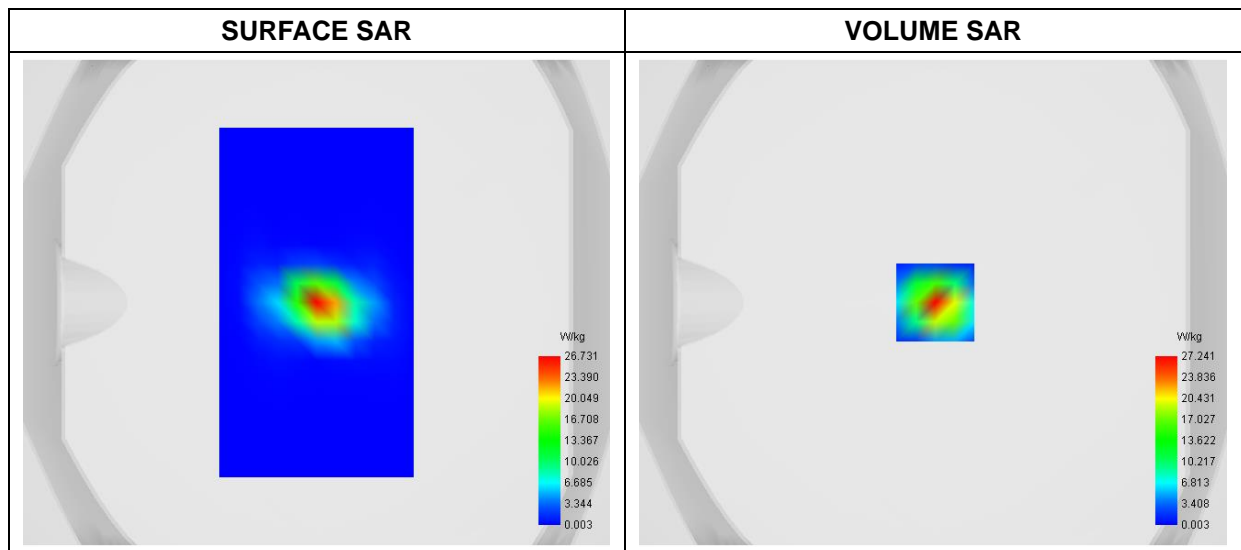
## A. Experimental conditions

<b>Area Scan</b>	dx=8mm dy=8mm
<b>Zoom Scan</b>	dx=4mm dy=4mm dz=2mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	CW5200
<b>Signal</b>	CW (Crest factor: 1.0)

## B. SAR Measurement Results

<b>Frequency (MHz)</b>	5200.000000
<b>Relative Permittivity (real part)</b>	35.642911
<b>Conductivity (S/m)</b>	4.761483
<b>Power Variation (%)</b>	0.943782
<b>Ambient Temperature</b>	23.5
<b>Liquid Temperature</b>	23.5

## C. SAR Surface and Volume



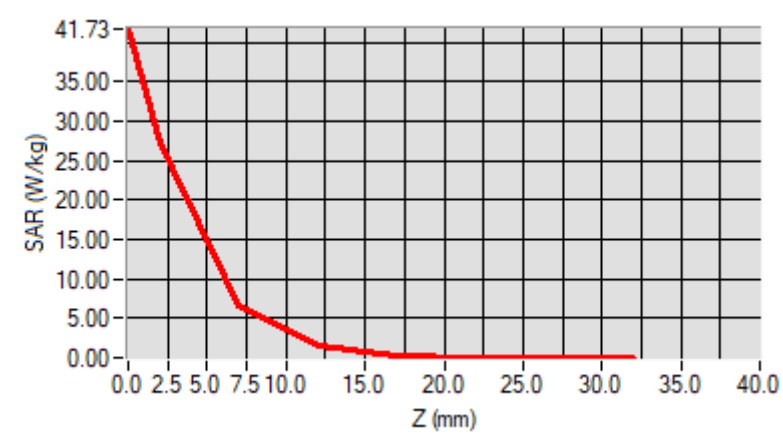
Maximum location: X=1.00, Y=0.00

D. SAR 1g & 10g

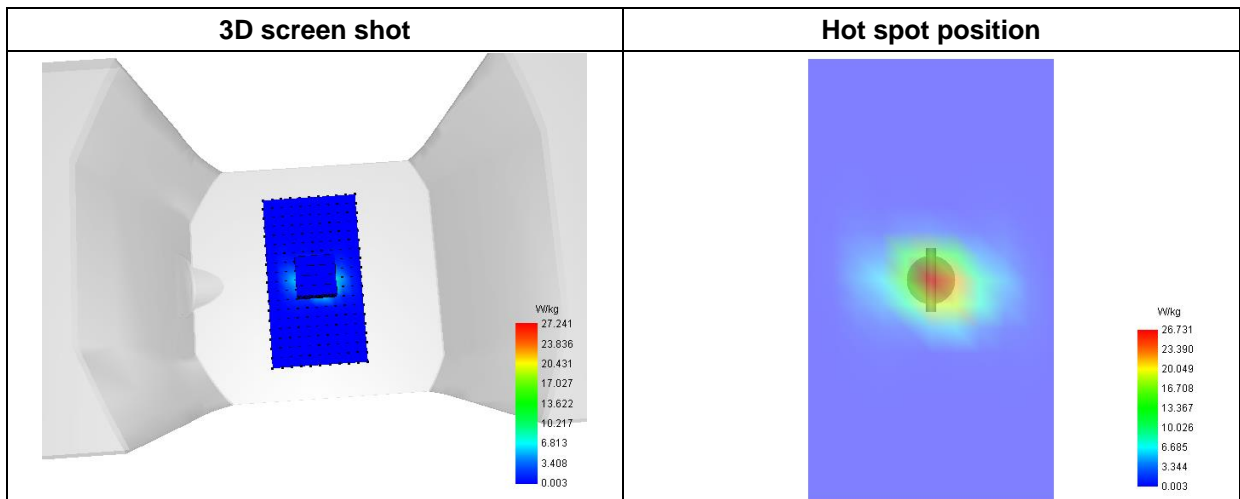
SAR 10g (W/Kg)	5.310334
SAR 1g (W/Kg)	16.946226

E. Z Axis Scan

Z (mm)	0.00	2.00	7.00	12.00	17.00	22.00	27.00
SAR (W/Kg)	41.7264	27.2408	6.5746	1.6234	0.3765	0.0793	0.0129



F. 3D Image



# MEASUREMENT 8

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2022-10-08

Measurement duration: 12 minutes 21 seconds

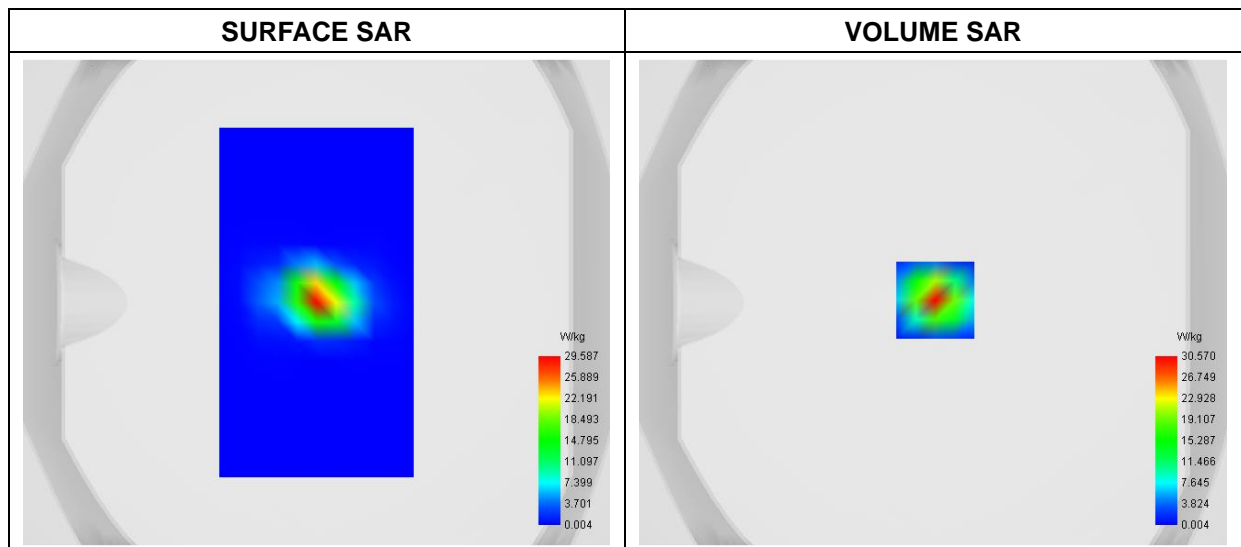
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.12; Calibrated: 2022-07-08

## A. Experimental conditions

<b>Area Scan</b>	dx=8mm dy=8mm
<b>Zoom Scan</b>	dx=4mm dy=4mm dz=2mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Dipole
<b>Band</b>	CW5400
<b>Signal</b>	CW (Crest factor: 1.0)

## B. SAR Measurement Results

<b>Frequency (MHz)</b>	5400.000000
<b>Relative Permittivity (real part)</b>	35.602911
<b>Conductivity (S/m)</b>	4.811483
<b>Power Variation (%)</b>	0.943782
<b>Ambient Temperature</b>	23.5
<b>Liquid Temperature</b>	23.5



**Maximum location: X=1.00, Y=1.00**