



	165/5825	19.50	18.08
802.11nHT40(MCS0)	151/5755	18.50	17.43
	159/5795	18.50	16.99
802.11ac-VHT20(MCS0)	149/5745	19.50	18.09
	157/5785	19.50	18.08
	165/5825	19.50	18.08
802.11ac-VHT40(MCS0)	151/5755	18.50	17.34
	159/5795	18.50	17.09
802.11ac-VHT80(MCS0)	155/5775	17.50	16.00
802.11ax 20(MCS0)	149/5745	19.50	18.19
	157/5785	19.50	18.24
	165/5825	19.50	18.19
802.11ax 40(MCS0)	151/5755	18.50	17.27
	159/5795	18.50	16.93
802.11ax 80(MCS0)	155/5775	18.00	16.57
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.			

Full power & Level 3-MIMO(Ant8+ANT9)					
5GHz Wi-Fi U-NII-1	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	36/5180	22.51	20.75	17.91	17.56
	40/5200	22.51	21.15	18.25	18.03
	48/5240	22.51	21.10	18.28	17.89
802.11nHT20(MCS0)	36/5180	22.51	21.34	18.48	18.19
	40/5200	22.51	21.36	18.48	18.22
	48/5240	22.51	21.22	18.44	17.98
802.11nHT40(MCS0)	38/5190	21.01	20.33	17.74	16.86
	46/5230	21.01	20.39	17.82	16.89
802.11ac-VHT20(MCS0)	36/5180	22.51	21.39	18.52	18.24
	40/5200	22.51	21.39	18.52	18.24
	48/5240	22.51	20.89	18.11	17.63
802.11ac-VHT40(MCS0)	38/5190	21.01	20.35	17.75	16.88
	46/5230	21.01	20.38	17.82	16.87
802.11ac-VHT80(MCS0)	42/5210	20.01	19.09	16.46	15.65
802.11ax 20(MCS0)	36/5180	22.51	21.30	18.38	18.21
	40/5200	22.51	21.30	18.38	18.19
	48/5240	22.51	20.92	18.17	17.64
802.11ax 40(MCS0)	38/5190	21.01	20.25	17.65	16.80



	46/5230	21.01	19.78	17.21	16.29
802.11ax 80(MCS0)	42/5210	21.01	19.87	17.01	16.71
Note. Initial test configuration is 802.11ac VHT20 mode, since the highest maximum output power.					
5GHz Wi-Fi (U-NII-2A)	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	52/5260	22.51	21.37	18.61	18.09
	60/5300	22.51	21.11	18.40	17.77
	64/5320	22.51	21.31	18.45	18.15
802.11nHT20(MCS0)	52/5260	22.51	21.19	18.57	17.76
	60/5300	22.51	21.10	18.53	17.59
	64/5320	22.51	21.02	18.35	17.64
802.11nHT40(MCS0)	54/5270	21.01	20.18	17.52	16.79
	62/5310	21.01	20.17	17.41	16.89
802.11ac-VHT20(MCS0)	52/5260	22.51	21.16	18.58	17.66
	60/5300	22.51	21.14	18.55	17.67
	64/5320	22.51	21.05	18.33	17.73
802.11ac-VHT40(MCS0)	54/5270	21.01	20.14	17.50	16.72
	62/5310	21.01	20.17	17.46	16.84
802.11ac-VHT80(MCS0)	58/5290	20.01	19.05	16.41	15.63
802.11ax 20(MCS0)	52/5260	22.51	21.18	18.54	17.76
	60/5300	22.51	21.13	18.53	17.66
	64/5320	22.51	21.10	18.40	17.75
802.11ax 40(MCS0)	54/5270	21.01	20.08	17.42	16.69
	62/5310	21.01	20.10	17.34	16.81
802.11ax 80(MCS0)	58/5290	21.01	19.68	16.78	16.56
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					
5GHz Wi-Fi U-NII-2C	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a (6M)	100/5500	22.51	21.36	18.56	18.13
	116/5580	22.51	21.13	18.29	17.95
	140/5700	22.51	21.31	18.40	18.19
	144/5720	22.51	21.46	18.58	18.32
802.11nHT20 (MCS0)	100/5500	22.51	21.17	18.38	17.92
	116/5580	22.51	21.39	18.44	18.31
	140/5700	22.51	21.38	18.51	18.23
802.11nHT40 (MCS0)	144/5720	22.51	21.32	18.48	18.13
	102/5510	21.01	20.25	17.36	17.12
	110/5550	21.01	20.30	17.42	17.15
	134/5670	21.01	20.26	17.26	17.24



	142/5710	21.01	20.29	17.45	17.10
802.11ac-VHT20 (MCS0)	100/5500	22.51	20.97	18.48	17.36
	116/5580	22.51	21.40	18.49	18.28
	140/5700	22.51	21.46	18.54	18.35
	144/5720	22.51	21.31	18.39	18.20
802.11ac-VHT40 (MCS0)	102/5510	21.01	20.33	17.47	17.16
	110/5550	21.01	20.38	17.54	17.20
	134/5670	21.01	20.26	17.34	17.16
	142/5710	21.01	20.33	17.45	17.19
802.11ac-VHT80 (MCS0)	106/5530	20.01	19.18	16.41	15.91
	138/5690	20.01	19.13	16.45	15.75
802.11ax 20(MCS0)	100/5500	22.51	21.24	18.47	17.99
	116/5580	22.51	21.38	18.51	18.22
	140/5700	22.51	21.08	18.31	17.82
	144/5720	22.51	21.12	18.50	17.68
802.11ax 40(MCS0)	102/5510	21.01	20.20	17.38	17.00
	110/5550	21.01	20.21	17.36	17.04
	134/5670	21.01	20.33	17.54	17.07
	142/5710	21.01	20.17	17.30	17.02
802.11ax 80(MCS0)	106/5530	20.01	19.70	16.86	16.51
	138/5690	20.01	19.78	16.94	16.61
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					
5GHz Wi-Fi U-NII-3	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	149/5745	22.51	21.22	18.08	18.34
	157/5785	22.51	21.24	18.05	18.41
	165/5825	22.51	21.29	18.17	18.40
802.11nHT20(MCS0)	149/5745	22.51	21.20	18.13	18.25
	157/5785	22.51	21.11	17.91	18.28
	165/5825	22.51	21.12	18.00	18.22
802.11nHT40(MCS0)	151/5755	21.01	20.18	16.94	17.39
	159/5795	21.01	20.24	17.32	17.14
802.11ac-VHT20(MCS0)	149/5745	22.51	21.16	17.89	18.39
	157/5785	22.51	21.16	17.96	18.33
	165/5825	22.51	21.17	18.04	18.28
802.11ac-VHT40(MCS0)	151/5755	21.01	20.34	17.29	17.37
	159/5795	21.01	20.22	17.30	17.12
802.11ac-VHT80(MCS0)	155/5775	20.01	19.44	16.33	16.52
802.11ax 20(MCS0)	149/5745	22.51	21.21	18.06	18.33
	157/5785	22.51	21.26	18.07	18.42
	165/5825	22.51	21.20	18.08	18.29



802.11ax 40(MCS0)	151/5755	21.01	20.34	17.29	17.37
	159/5795	21.01	20.15	17.22	17.06
802.11ax 80(MCS0)	155/5775	20.01	19.46	16.23	16.66
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					

Level 1-MIMO(Ant8+ANT9)					
5GHz Wi-Fi U-NII-1	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	36/5180	16.51	14.66	11.84	11.44
	40/5200	16.51	14.78	12.00	11.53
	48/5240	16.51	14.62	11.70	11.53
802.11nHT20(MCS0)	36/5180	16.51	14.85	11.79	11.90
	40/5200	16.51	14.85	12.00	11.67
	48/5240	16.51	14.64	11.98	11.26
802.11nHT40(MCS0)	38/5190	15.01	13.75	11.19	10.24
	46/5230	15.01	14.00	11.49	10.43
802.11ac-VHT20(MCS0)	36/5180	16.51	15.25	12.36	12.11
	40/5200	16.51	15.24	12.29	12.17
	48/5240	16.51	14.94	12.06	11.79
802.11ac-VHT40(MCS0)	38/5190	15.01	14.05	11.47	10.56
	46/5230	15.01	13.88	11.25	10.46
802.11ac-VHT80(MCS0)	42/5210	14.01	12.70	10.10	9.23
802.11ax 20(MCS0)	36/5180	16.51	15.04	12.11	11.95
	40/5200	16.51	14.89	11.97	11.79
	48/5240	16.51	14.60	11.85	11.32
802.11ax 40(MCS0)	38/5190	15.01	13.84	11.26	10.35
	46/5230	15.01	13.62	11.18	9.97
802.11ax 80(MCS0)	42/5210	15.01	13.82	10.94	10.67
Note. Initial test configuration is 802.11ac VHT20 mode, since the highest maximum output power.					
5GHz Wi-Fi (U-NII-2A)	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	52/5260	17.51	16.38	13.59	13.15
	60/5300	17.51	16.08	13.60	12.47
	64/5320	17.51	16.16	13.28	13.02
802.11nHT20(MCS0)	52/5260	17.51	15.97	13.24	12.67
	60/5300	17.51	15.75	13.00	12.45
	64/5320	17.51	15.71	13.04	12.32
802.11nHT40(MCS0)	54/5270	16.01	14.76	12.05	11.43
	62/5310	16.01	14.81	11.93	11.66



802.11ac-VHT20(MCS0)	52/5260	17.51	15.81	13.37	12.15
	60/5300	17.51	15.90	13.36	12.36
	64/5320	17.51	15.69	12.97	12.37
802.11ac-VHT40(MCS0)	54/5270	16.01	14.96	12.24	11.64
	62/5310	16.01	15.04	12.29	11.75
802.11ac-VHT80(MCS0)	58/5290	15.01	13.87	11.19	10.49
802.11ax 20(MCS0)	52/5260	17.51	16.09	13.46	12.67
	60/5300	17.51	15.92	13.35	12.41
	64/5320	17.51	16.04	13.28	12.75
802.11ax 40(MCS0)	54/5270	16.01	14.96	12.24	11.63
	62/5310	16.01	15.16	12.40	11.88
802.11ax 80(MCS0)	58/5290	16.01	14.70	11.76	11.62
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					
5GHz Wi-Fi U-NII-2C	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a (6M)	100/5500	19.51	18.47	15.66	15.26
	116/5580	19.51	17.91	14.95	14.85
	140/5700	19.51	18.11	15.08	15.12
	144/5720	19.51	18.29	15.29	15.28
802.11nHT20 (MCS0)	100/5500	19.51	17.98	15.10	14.84
	116/5580	19.51	18.20	15.18	15.20
	140/5700	19.51	18.08	15.05	15.08
	144/5720	19.51	18.12	15.26	14.96
802.11nHT40 (MCS0)	102/5510	18.01	16.85	14.04	13.63
	110/5550	18.01	17.12	14.34	13.86
	134/5670	18.01	17.09	14.10	14.06
	142/5710	18.01	17.27	14.55	13.96
802.11ac-VHT20 (MCS0)	100/5500	19.51	18.02	15.55	14.38
	116/5580	19.51	18.31	15.33	15.26
	140/5700	19.51	18.51	15.51	15.50
	144/5720	19.51	18.05	15.20	14.87
802.11ac-VHT40 (MCS0)	102/5510	18.01	16.96	14.03	13.87
	110/5550	18.01	17.03	14.20	13.84
	134/5670	18.01	17.06	14.14	13.96
	142/5710	18.01	17.13	14.10	14.15
802.11ac-VHT80 (MCS0)	106/5530	17.01	15.76	12.95	12.53
	138/5690	17.01	15.62	12.87	12.34
802.11ax 20(MCS0)	100/5500	19.51	17.91	15.16	14.64
	116/5580	19.51	18.04	15.19	14.86
	140/5700	19.51	17.75	14.99	14.47



	144/5720	19.51	17.78	15.16	14.33
802.11ax 40(MCS0)	102/5510	18.01	16.84	14.01	13.64
	110/5550	18.01	16.85	14.00	13.69
	134/5670	18.01	17.01	14.28	13.70
	142/5710	18.01	17.05	14.24	13.83
802.11ax 80(MCS0)	106/5530	17.01	16.56	13.76	13.32
	138/5690	17.01	16.71	13.95	13.45
Note. Initial test configuration is 802.11ac VHT20 mode, since the highest maximum output power.					
5GHz Wi-Fi U-NII-3	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	149/5745	19.51	18.22	15.10	15.31
	157/5785	19.51	17.95	14.91	14.98
	165/5825	19.51	18.26	15.24	15.26
802.11nHT20(MCS0)	149/5745	19.51	18.06	15.18	14.91
	157/5785	19.51	17.91	14.86	14.94
	165/5825	19.51	17.90	14.63	15.14
802.11nHT40(MCS0)	151/5755	18.01	16.88	13.48	14.22
	159/5795	18.01	16.86	13.96	13.74
802.11ac-VHT20(MCS0)	149/5745	19.51	17.65	14.45	14.82
	157/5785	19.51	17.89	14.64	15.10
	165/5825	19.51	17.68	14.45	14.88
802.11ac-VHT40(MCS0)	151/5755	18.01	17.02	13.92	14.10
	159/5795	18.01	16.83	13.87	13.78
802.11ac-VHT80(MCS0)	155/5775	17.01	16.05	12.89	13.18
802.11ax 20(MCS0)	149/5745	19.51	18.03	14.86	15.17
	157/5785	19.51	18.07	14.74	15.36
	165/5825	19.51	18.06	14.76	15.32
802.11ax 40(MCS0)	151/5755	18.01	17.17	14.03	14.30
	159/5795	18.01	17.23	14.33	14.12
802.11ax 80(MCS0)	155/5775	17.01	16.47	13.28	13.65
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					

Level 2-MIMO(Ant8+ANT9)					
5GHz Wi-Fi U-NII-1	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	36/5180	13.51	11.79	8.94	8.61
	40/5200	13.51	12.09	9.17	9.00
	48/5240	13.51	12.06	9.15	8.96
802.11n HT20(MCS0)	36/5180	13.51	12.32	9.37	9.26



	40/5200	13.51	12.27	9.35	9.17
	48/5240	13.51	12.13	9.34	8.90
802.11n HT40(MCS0)	38/5190	12.01	11.30	8.62	7.94
	46/5230	12.01	11.41	8.79	7.97
802.11ac-VHT20(MCS0)	36/5180	13.51	12.25	9.46	9.00
	40/5200	13.51	12.29	9.52	9.03
	48/5240	13.51	11.70	8.96	8.39
802.11ac-VHT40(MCS0)	38/5190	12.01	11.22	8.64	7.72
	46/5230	12.01	11.30	8.71	7.82
802.11ac-VHT80(MCS0)	42/5210	11.01	9.99	7.33	6.60
802.11ax 20(MCS0)	36/5180	13.51	12.26	9.34	9.17
	40/5200	13.51	12.20	9.41	8.95
	48/5240	13.51	11.90	9.21	8.55
802.11ax 40(MCS0)	38/5190	12.01	11.22	8.66	7.72
	46/5230	12.01	10.79	8.25	7.25
802.11ax 80(MCS0)	42/5210	12.01	10.91	8.02	7.78
Note. Initial test configuration is 802.11n HT20 mode, since the highest maximum output power.					
5GHz Wi-Fi (U-NII-2A)	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	52/5260	13.51	12.32	9.55	9.07
	60/5300	13.51	11.93	9.26	8.54
	64/5320	13.51	12.18	9.36	8.97
802.11nHT20(MCS0)	52/5260	13.51	12.00	9.34	8.60
	60/5300	13.51	11.90	9.30	8.42
	64/5320	13.51	11.74	8.97	8.48
802.11nHT40(MCS0)	54/5270	12.01	10.91	8.19	7.59
	62/5310	12.01	10.86	8.04	7.66
802.11ac-VHT20(MCS0)	52/5260	13.51	11.89	9.17	8.57
	60/5300	13.51	11.93	9.17	8.64
	64/5320	13.51	11.81	9.06	8.54
802.11ac-VHT40(MCS0)	54/5270	12.01	10.94	8.27	7.56
	62/5310	12.01	11.04	8.23	7.83
802.11ac-VHT80(MCS0)	58/5290	11.01	9.92	7.18	6.61
802.11ax 20(MCS0)	52/5260	13.51	12.16	9.51	8.75
	60/5300	13.51	11.99	9.31	8.62
	64/5320	13.51	11.89	9.17	8.57
802.11ax 40(MCS0)	54/5270	12.01	10.87	8.19	7.50
	62/5310	12.01	10.98	8.26	7.65
802.11ax 80(MCS0)	58/5290	12.01	10.63	7.70	7.55

Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					
5GHz Wi-Fi U-NII-2C	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a (6M)	100/5500	16.51	15.46	12.67	12.23
	116/5580	16.51	15.14	12.30	11.94
	140/5700	16.51	15.41	12.52	12.28
	144/5720	16.51	15.57	12.70	12.41
802.11nHT20 (MCS0)	100/5500	16.51	15.28	12.49	12.03
	116/5580	16.51	15.44	12.45	12.40
	140/5700	16.51	15.39	12.49	12.26
	144/5720	16.51	15.26	12.37	12.14
802.11nHT40 (MCS0)	102/5510	15.01	14.19	11.28	11.07
	110/5550	15.01	14.25	11.33	11.14
	134/5670	15.01	14.16	11.14	11.17
	142/5710	15.01	14.27	11.41	11.11
802.11ac-VHT20 (MCS0)	100/5500	16.51	14.97	12.42	11.45
	116/5580	16.51	15.42	12.42	12.39
	140/5700	16.51	15.51	12.59	12.40
	144/5720	16.51	15.29	12.36	12.19
802.11ac-VHT40 (MCS0)	102/5510	15.01	14.32	11.47	11.15
	110/5550	15.01	14.33	11.51	11.13
	134/5670	15.01	14.29	11.39	11.17
	142/5710	15.01	14.39	11.48	11.28
802.11ac-VHT80 (MCS0)	106/5530	14.01	13.13	10.30	9.93
	138/5690	14.01	13.03	10.30	9.72
802.11ax 20(MCS0)	100/5500	16.51	15.23	12.39	12.04
	116/5580	16.51	15.34	12.41	12.25
	140/5700	16.51	15.08	12.29	11.85
	144/5720	16.51	15.10	12.50	11.63
802.11ax 40(MCS0)	102/5510	15.01	14.14	11.35	10.90
	110/5550	15.01	14.11	11.33	10.86
	134/5670	15.01	14.21	11.49	10.87
	142/5710	15.01	14.13	11.28	10.95
802.11ax 80(MCS0)	106/5530	14.01	13.65	10.84	10.43
	138/5690	14.01	13.78	10.96	10.58
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					
5GHz Wi-Fi U-NII-3	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	149/5745	16.51	15.30	12.14	12.43
	157/5785	16.51	15.19	12.00	12.35
	165/5825	16.51	15.70	12.26	12.47



802.11nHT20(MCS0)	149/5745	16.51	15.29	12.21	12.34
	157/5785	16.51	15.10	11.82	12.34
	165/5825	16.51	15.10	11.90	12.28
802.11nHT40(MCS0)	151/5755	15.01	14.06	10.83	11.25
	159/5795	15.01	14.10	11.21	10.98
802.11ac-VHT20(MCS0)	149/5745	16.51	15.02	11.86	12.15
	157/5785	16.51	15.04	11.84	12.22
	165/5825	16.51	15.03	11.89	12.14
802.11ac-VHT40(MCS0)	151/5755	15.01	14.37	11.40	11.32
	159/5795	15.01	14.23	11.38	11.05
802.11ac-VHT80(MCS0)	155/5775	14.01	13.42	10.40	10.42
802.11ax 20(MCS0)	149/5745	16.51	15.33	12.18	12.44
	157/5785	16.51	15.19	11.93	12.41
	165/5825	16.51	15.11	11.80	12.38
802.11ax 40(MCS0)	151/5755	15.01	14.21	11.02	11.39
	159/5795	15.01	14.10	11.17	11.01
802.11ax 80(MCS0)	155/5775	14.01	13.47	10.15	10.75
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					

Level 4-MIMO(Ant8+ANT9)					
5GHz Wi-Fi U-NII-1	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	36/5180	18.51	16.75	13.96	13.51
	40/5200	18.51	17.01	14.18	13.81
	48/5240	18.51	17.01	14.19	13.80
802.11nHT20(MCS0)	36/5180	18.51	17.26	14.38	14.12
	40/5200	18.51	17.25	14.35	14.14
	48/5240	18.51	17.05	14.33	13.73
802.11nHT40(MCS0)	38/5190	17.01	16.13	13.57	12.61
	46/5230	17.01	16.16	13.64	12.60
802.11ac-VHT20(MCS0)	36/5180	18.51	17.38	14.44	14.29
	40/5200	18.51	17.36	14.55	14.15
	48/5240	18.51	17.04	14.52	13.47
802.11ac-VHT40(MCS0)	38/5190	17.01	16.29	13.69	12.82
	46/5230	17.01	16.37	13.72	12.96
802.11ac-VHT80(MCS0)	42/5210	16.01	15.05	12.33	11.73
802.11ax 20(MCS0)	36/5180	18.51	17.35	14.34	14.35
	40/5200	18.51	17.25	14.40	14.07
	48/5240	18.51	16.97	14.20	13.71



802.11ax 40(MCS0)	38/5190	17.01	16.28	13.70	12.80
	46/5230	17.01	15.88	13.31	12.39
802.11ax 80(MCS0)	42/5210	17.01	15.95	13.07	12.80
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					
5GHz Wi-Fi (U-NII-2A)	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	52/5260	18.51	17.43	14.66	14.18
	60/5300	18.51	17.07	14.36	13.73
	64/5320	18.51	17.22	14.36	14.06
802.11nHT20(MCS0)	52/5260	18.51	17.03	14.32	13.70
	60/5300	18.51	16.92	14.29	13.49
	64/5320	18.51	16.85	14.07	13.59
802.11nHT40(MCS0)	54/5270	17.01	15.97	13.26	12.63
	62/5310	17.01	15.95	13.16	12.71
802.11ac-VHT20(MCS0)	52/5260	18.51	17.03	14.41	13.58
	60/5300	18.51	17.03	14.42	13.57
	64/5320	18.51	16.99	14.32	13.63
802.11ac-VHT40(MCS0)	54/5270	17.01	16.16	13.58	12.68
	62/5310	17.01	16.11	13.53	12.62
802.11ac-VHT80(MCS0)	58/5290	16.01	14.89	12.33	11.37
802.11ax 20(MCS0)	52/5260	18.51	17.13	14.45	13.76
	60/5300	18.51	17.07	14.52	13.54
	64/5320	18.51	17.18	14.43	13.88
802.11ax 40(MCS0)	54/5270	17.01	16.12	13.41	12.79
	62/5310	17.01	16.20	13.42	12.95
802.11ax 80(MCS0)	58/5290	17.01	15.76	12.85	12.66
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					
5GHz Wi-Fi U-NII-2C	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a (6M)	100/5500	22.51	21.36	18.56	18.13
	116/5580	22.51	21.13	18.29	17.95
	140/5700	22.51	21.31	18.40	18.19
	144/5720	22.51	21.46	18.58	18.32
802.11nHT20 (MCS0)	100/5500	22.51	21.17	18.38	17.92
	116/5580	22.51	21.39	18.44	18.31
	140/5700	22.51	21.38	18.51	18.23
	144/5720	22.51	21.32	18.48	18.13
802.11nHT40 (MCS0)	102/5510	21.01	20.25	17.36	17.12
	110/5550	21.01	20.30	17.42	17.15



	134/5670	21.01	20.26	17.26	17.24
	142/5710	21.01	20.29	17.45	17.10
802.11ac-VHT20 (MCS0)	100/5500	22.51	20.97	18.48	17.36
	116/5580	22.51	21.40	18.49	18.28
	140/5700	22.51	21.46	18.54	18.35
	144/5720	22.51	21.31	18.39	18.20
802.11ac-VHT40 (MCS0)	102/5510	21.01	20.33	17.47	17.16
	110/5550	21.01	20.38	17.54	17.20
	134/5670	21.01	20.26	17.34	17.16
	142/5710	21.01	20.33	17.45	17.19
802.11ac-VHT80 (MCS0)	106/5530	20.01	19.18	16.41	15.91
	138/5690	20.01	19.13	16.45	15.75
802.11ax 20(MCS0)	100/5500	22.51	21.24	18.47	17.99
	116/5580	22.51	21.38	18.51	18.22
	140/5700	22.51	21.08	18.31	17.82
	144/5720	22.51	21.12	18.50	17.68
802.11ax 40(MCS0)	102/5510	21.01	20.20	17.38	17.00
	110/5550	21.01	20.21	17.36	17.04
	134/5670	21.01	20.33	17.54	17.07
	142/5710	21.01	20.17	17.30	17.02
802.11ax 80(MCS0)	106/5530	20.01	19.70	16.86	16.51
	138/5690	20.01	19.78	16.94	16.61
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					
5GHz Wi-Fi U-NII-3	Channel /Freq.(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
802.11a(6M)	149/5745	19.51	18.33	15.18	15.46
	157/5785	19.51	18.25	15.04	15.43
	165/5825	19.51	18.32	15.24	15.38
802.11nHT20(MCS0)	149/5745	19.51	18.21	15.12	15.27
	157/5785	19.51	18.03	14.88	15.16
	165/5825	19.51	18.03	14.94	15.10
802.11nHT40(MCS0)	151/5755	18.01	17.10	13.79	14.36
	159/5795	18.01	17.19	14.27	14.10
802.11ac-VHT20(MCS0)	149/5745	19.51	18.10	14.76	15.39
	157/5785	19.51	18.06	14.79	15.30
	165/5825	19.51	18.05	14.84	15.23
802.11ac-VHT40(MCS0)	151/5755	18.01	17.34	14.27	14.38
	159/5795	18.01	17.22	14.29	14.14
802.11ac-VHT80(MCS0)	155/5775	17.01	16.42	13.30	13.52
802.11ax 20(MCS0)	149/5745	19.51	18.21	15.03	15.36
	157/5785	19.51	18.23	14.95	15.47



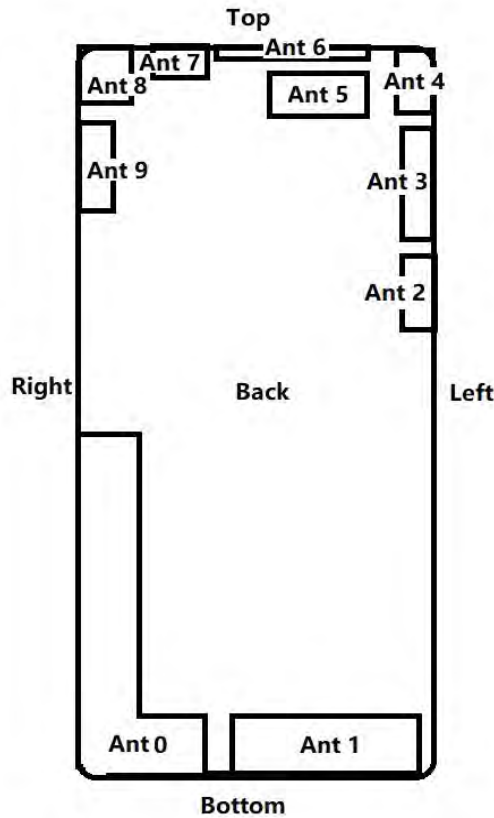
	165/5825	19.51	18.23	15.03	15.41
802.11ax 40(MCS0)	151/5755	18.01	17.35	14.21	14.48
	159/5795	18.01	17.21	14.20	14.21
802.11ax 80(MCS0)	155/5775	17.01	16.52	13.22	13.80
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.					

9.6 Bluetooth Mode

BT	Conducted Power(dBm)			Tune-up Limit (dBm)
	Channel/Frequency(MHz)			
	Ch 0/2402 MHz	Ch 39/2441 MHz	Ch 78/2480 MHz	
GFSK	12.38	12.65	12.52	13.50
$\pi/4$ DQPSK	11.09	11.28	11.36	12.50
8DPSK	10.52	10.75	10.89	12.50
BLE	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	Tune-up Limit (dBm)
GFSK (1M)	10.22	11.37	11.36	12.00
GFSK (2M)	10.42	11.65	11.74	12.00

10 Measured and Reported (Scaled) SAR Results

10.1 EUT Antenna Locations



Ant 0	GSM 850/ WCDMA 5/ LTE 5/12/17/28A/28B NR n5
Ant 1	GSM 1900/ WCDMA 2/4/ LTE 2/4/7/38/40/41/66/ NR n2/n7/n41/n66
Ant 2	LTE 66/NR n66/ n77/n78
Ant 3	NR n41/n77/n78
Ant 4	GSM 1900/ WCDMA 2/4/ LTE 2/4/7/38/40/4166/ NR n2/n7/n4/66
Ant 5	NR n77/n78
Ant 6	GSM 850/ WCDMA 5/ LTE 5/12/17/28A/28B NR n5/n41
Ant 7	NR n77/n78/ Wi-Fi 2 4G/ Bluetooth
Ant 8	Wi-Fi 5G
Ant 9	Wi-Fi 2 4G/ Wi-Fi 5G

Overall (Length x Width): 164 mm x 75 mm						
Overall Diagonal: 178 mm/Display Diagonal: 176mm						
Distance of the Antenna to the EUT surface/edge						
Antenna	Back Side	Front side	Left Edge	Right Edge	Top Edge	Bottom Edge
Ant 0	<25mm	<25mm	>25mm	<25mm	>25mm	<25mm
Ant 1	<25mm	<25mm	<25mm	>25mm	>25mm	<25mm
Ant 2	<25mm	<25mm	<25mm	>25mm	>25mm	>25mm
Ant 3	<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
Ant 4	<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
Ant 5	<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
Ant 6	<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
Ant 7	<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
Ant 8	<25mm	<25mm	>25mm	<25mm	<25mm	>25mm
Ant 9	<25mm	<25mm	>25mm	<25mm	>25mm	>25mm
Hotspot mode, Positions for SAR tests						
Mode	Back Side	Front side	Left Edge	Right Edge	Top Edge	Bottom Edge



Ant 0	Yes	Yes	N/A	Yes	N/A	Yes
Ant 1	Yes	Yes	Yes	N/A	N/A	Yes
Ant 2	Yes	Yes	Yes	N/A	N/A	N/A
Ant 3	Yes	Yes	Yes	N/A	Yes	N/A
Ant 4	Yes	Yes	Yes	N/A	Yes	N/A
Ant 5	Yes	Yes	Yes	N/A	Yes	N/A
Ant 6	Yes	Yes	Yes	N/A	Yes	N/A
Ant 7	Yes	Yes	N/A	Yes	Yes	N/A
Ant 8	Yes	Yes	N/A	Yes	Yes	N/A
Ant 9	Yes	Yes	N/A	Yes	N/A	N/A

Note: 1. Per KDB 941225 D06, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.

2. For smart phones with an overall diagonal dimension is 178mm. Per KDB 648474 D04, for smart phones with a display diagonal dimension $> 15.0\text{ cm}$ or an overall diagonal dimension $> 16.0\text{ cm}$, product specific 10-g SAR must be tested as a phablet to determine SAR compliance. For Phablet, Since hotspot mode 1-g *reported* SAR $< 1.2\text{ W/kg}$, product specific 10-g SAR is no required.

3. Per FCC KDB 447498 D01, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- a) $\leq 0.8\text{ W/kg}$ or 2.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\leq 100\text{MHz}$
- b) $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- c) $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.

4. When the original highest measured SAR is $\geq 0.80\text{ W/kg}$, the measurement was repeated once.

5. Per FCC KDB Publication 648474 D04, SAR was evaluated without a headset connected to the device. Since the reported SAR was $\leq 1.2\text{ W/kg}$, no additional SAR evaluations using a headset cable were required.



10.2 Measured SAR Results

Note: 1.The value with blue color is the maximum SAR Value of each test band.

2. For GSM, when multiple slots are used, SAR should be tested to account for the maximum source-based time-averaged output power.

3. For WCDMA, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

4. For LTE, QPSK with 100% RB allocation, SAR is required when and the highest reported SAR for 1 RB and 50% RB allocation in are $\geq 50\%$ limit(1g).

Head SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
GSM 850	Main (ANT 0)	Left cheek	0	GSM	Level1	-	-	190/836.6	32.50	31.76	0.133	0.017	1.19	0.158	43
		Left Tilt	0	GSM	Level1	-	-	190/836.6	32.50	31.76	0.054	0.044	1.19	0.063	/
		Right cheek	0	GSM	Level1	-	-	190/836.6	32.50	31.76	0.062	0.010	1.19	0.073	/
		Right Tilt	0	GSM	Level1	-	-	190/836.6	32.50	31.76	0.103	0.061	1.19	0.122	/
	DIV (ANT 6)	Left cheek	0	GSM	Level1	-	-	190/836.6	31.00	29.89	0.042	0.040	1.29	0.054	/
		Left Tilt	0	GSM	Level1	-	-	190/836.6	31.00	29.89	0.036	0.013	1.29	0.046	/
		Right cheek	0	GSM	Level1	-	-	190/836.6	31.00	29.89	0.047	-0.011	1.29	0.061	/
		Right Tilt	0	GSM	Level1	-	-	190/836.6	31.00	29.89	0.043	0.019	1.29	0.055	/
GSM 1900	Main (ANT 1)	Left cheek	0	GSM	Level1	-	-	661/1880	30.00	29.05	0.101	-0.030	1.24	0.126	/
		Left Tilt	0	GSM	Level1	-	-	661/1880	30.00	29.05	0.020	0.020	1.24	0.025	/
		Right cheek	0	GSM	Level1	-	-	661/1880	30.00	29.05	0.050	0.173	1.24	0.063	/
		Right Tilt	0	GSM	Level1	-	-	661/1880	30.00	29.05	0.033	0.094	1.24	0.042	/
	DIV (ANT 4)	Left cheek	0	GSM	Level1	-	-	661/1880	29.00	27.95	0.217	-0.020	1.27	0.276	/
		Left Tilt	0	GSM	Level1	-	-	661/1880	29.00	27.95	0.200	-0.100	1.27	0.255	/
		Right cheek	0	GSM	Level1	-	-	661/1880	29.00	27.95	0.623	0.000	1.27	0.793	44
		Right Tilt	0	GSM	Level1	-	-	661/1880	29.00	27.95	0.373	-0.026	1.27	0.475	/
WCDMA II	Main (ANT 1)	Left cheek	0	RMC 12.2K	Level1	-	-	9400/1880	25.00	23.87	0.217	0.026	1.30	0.281	/
		Left Tilt	0	RMC 12.2K	Level1	-	-	9400/1880	25.00	23.87	0.063	0.080	1.30	0.082	/
		Right cheek	0	RMC 12.2K	Level1	-	-	9400/1880	25.00	23.87	0.145	-0.080	1.30	0.188	/
		Right Tilt	0	RMC 12.2K	Level1	-	-	9400/1880	25.00	23.87	0.112	-0.140	1.30	0.145	/
	DIV (ANT 4)	Left cheek	0	RMC 12.2K	Level1	-	-	9400/1880	21.00	20.50	0.522	0.015	1.12	0.586	/
		Left Tilt	0	RMC 12.2K	Level1	-	-	9400/1880	21.00	20.50	0.414	-0.031	1.12	0.465	/
		Right cheek	0	RMC 12.2K	Level1	-	-	9400/1880	21.00	20.50	0.977	0.050	1.12	1.096	/
		Right Tilt	0	RMC 12.2K	Level1	-	-	9400/1880	21.00	20.50	0.701	0.029	1.12	0.787	/
		Right Tilt	0	RMC 12.2K	Level1	-	-	9262/1852.4	21.00	20.53	0.683	0.074	1.11	0.761	/
		Right Tilt	0	RMC 12.2K	Level1	-	-	9538/1907.6	21.00	20.51	0.672	0.014	1.12	0.752	/
		Right cheek	0	RMC 12.2K	Level1	-	-	9262/1852.4	21.00	20.53	0.958	0.020	1.11	1.067	/



		Right cheek	0	RMC 12.2K	Level1	-	-	9538/1907.6	21.00	20.38	1.020	-0.020	1.15	1.177	45
		Right cheek repeat	0	RMC 12.2K	Level1	-	-	9538/1907.6	21.00	20.38	0.993	0.018	1.15	1.145	/
		Right cheek SIM2	0	RMC 12.2K	Level1	-	-	9538/1907.6	21.00	20.38	0.975	0.040	1.15	1.125	/
WCDMA IV	Main (ANT 1)	Left cheek	0	RMC 12.2K	Level1	-	-	1413/1732.6	25.00	23.82	0.204	0.066	1.31	0.268	/
		Left Tilt	0	RMC 12.2K	Level1	-	-	1413/1732.6	25.00	23.82	0.090	0.023	1.31	0.118	/
		Right cheek	0	RMC 12.2K	Level1	-	-	1413/1732.6	25.00	23.82	0.140	0.037	1.31	0.184	/
		Right Tilt	0	RMC 12.2K	Level1	-	-	1413/1732.6	25.00	23.82	0.069	0.028	1.31	0.090	/
	DIV (ANT 4)	Left cheek	0	RMC 12.2K	Level1	-	-	1413/1732.6	21.50	21.12	0.652	-0.170	1.09	0.712	/
		Left Tilt	0	RMC 12.2K	Level1	-	-	1413/1732.6	21.50	21.12	0.584	0.060	1.09	0.637	/
		Right cheek	0	RMC 12.2K	Level1	-	-	1413/1732.6	21.50	21.12	0.968	0.029	1.09	1.057	/
		Right cheek repeat	0	RMC 12.2K	Level1	-	-	1413/1732.6	21.50	21.12	0.974	0.130	1.09	1.063	46
		Right cheek	0	RMC 12.2K	Level1	-	-	1312/1712.4	21.50	20.96	0.925	0.055	1.13	1.047	/
		Right cheek	0	RMC 12.2K	Level1	-	-	1513/1752.6	21.50	21.10	0.918	0.080	1.10	1.007	/
		Right Tilt	0	RMC 12.2K	Level1	-	-	1413/1732.6	21.50	21.12	0.518	0.012	1.09	0.565	/
WCDMA V	Main (ANT 0)	Left cheek	0	RMC 12.2K	Level1	-	-	4183/836.6	25.00	24.05	0.079	0.064	1.24	0.099	/
		Left Tilt	0	RMC 12.2K	Level1	-	-	4183/836.6	25.00	24.05	0.048	0.019	1.24	0.060	/
		Right cheek	0	RMC 12.2K	Level1	-	-	4183/836.6	25.00	24.05	0.114	0.011	1.24	0.142	47
		Right Tilt	0	RMC 12.2K	Level1	-	-	4183/836.6	25.00	24.05	0.084	0.023	1.24	0.104	/
	DIV (ANT 6)	Left cheek	0	RMC 12.2K	Level1	-	-	4183/836.6	23.00	22.25	0.068	0.046	1.19	0.081	/
		Left Tilt	0	RMC 12.2K	Level1	-	-	4183/836.6	23.00	22.25	0.068	0.018	1.19	0.081	/
		Right cheek	0	RMC 12.2K	Level1	-	-	4183/836.6	23.00	22.25	0.066	0.016	1.19	0.078	/
		Right Tilt	0	RMC 12.2K	Level1	-	-	4183/836.6	23.00	22.25	0.062	0.090	1.19	0.073	/
LTE 2	Main (ANT 1)	Left cheek	0	QPSK	Level1	1	99	18700/1860	25.00	24.32	0.216	0.094	1.17	0.253	/
			0	QPSK	Level1	50%	25	18700/1860	24.00	23.38	0.188	-0.050	1.15	0.217	/
		Left Tilt	0	QPSK	Level1	1	99	18700/1860	25.00	24.32	0.043	0.110	1.17	0.050	/
			0	QPSK	Level1	50%	25	18700/1860	24.00	23.38	0.035	-0.067	1.15	0.041	/
		Right cheek	0	QPSK	Level1	1	99	18700/1860	25.00	24.32	0.145	-0.162	1.17	0.170	/
			0	QPSK	Level1	50%	25	18700/1860	24.00	23.38	0.118	0.172	1.15	0.136	/
		Right Tilt	0	QPSK	Level1	1	99	18700/1860	25.00	24.32	0.092	0.030	1.17	0.108	/
			0	QPSK	Level1	50%	25	18700/1860	24.00	23.38	0.081	0.070	1.15	0.093	/
	DIV (ANT 4)	Left cheek	0	QPSK	Level1	1	0	19100/1900	20.50	19.64	0.352	0.072	1.22	0.429	/
			0	QPSK	Level1	50%	25	18700/1860	19.50	18.63	0.307	0.040	1.22	0.375	/
		Left Tilt	0	QPSK	Level1	1	0	19100/1900	20.50	19.64	0.294	0.110	1.22	0.358	/
			0	QPSK	Level1	50%	25	18700/1860	19.50	18.63	0.237	-0.020	1.22	0.290	/
		Right cheek	0	QPSK	Level1	1	0	19100/1900	20.50	19.64	0.784	0.089	1.22	0.956	48
			0	QPSK	Level1	1	0	18700/1860	20.50	19.46	0.749	-0.010	1.27	0.952	/
			0	QPSK	Level1	1	0	18900/1880	20.50	19.58	0.727	0.038	1.24	0.899	/
			0	QPSK	Level1	50%	25	18700/1860	19.50	18.63	0.642	0.069	1.22	0.784	/
		Right Tilt	0	QPSK	Level1	100%	0	18900/1880	19.50	18.62	0.651	0.079	1.22	0.797	/
		Right Tilt	0	QPSK	Level1	1	0	19100/1900	20.50	19.64	0.522	0.014	1.22	0.636	/



			0	QPSK	Level1	50%	25	18700/1860	19.50	18.63	0.463	0.030	1.22	0.566	/
LTE 4	Main (ANT 1)	Left cheek	0	QPSK	Level1	1	99	20175/1732.5	25.00	24.18	0.250	0.038	1.21	0.302	/
			0	QPSK	Level1	50%	50	20175/1732.5	24.00	23.46	0.200	0.091	1.13	0.226	/
		Left Tilt	0	QPSK	Level1	1	99	20175/1732.5	25.00	24.18	0.049	-0.010	1.21	0.059	/
			0	QPSK	Level1	50%	50	20175/1732.5	24.00	23.46	0.043	-0.054	1.13	0.048	/
		Right cheek	0	QPSK	Level1	1	99	20175/1732.5	25.00	24.18	0.167	-0.060	1.21	0.202	/
			0	QPSK	Level1	50%	50	20175/1732.5	24.00	23.46	0.131	0.110	1.13	0.148	/
		Right Tilt	0	QPSK	Level1	1	99	20175/1732.5	25.00	24.18	0.073	-0.030	1.21	0.089	/
			0	QPSK	Level1	50%	50	20175/1732.5	24.00	23.46	0.058	-0.043	1.13	0.066	/
	DIV (ANT 4)	Left cheek	0	QPSK	Level1	1	0	20300/1745	22.00	21.82	0.523	0.089	1.04	0.545	/
			0	QPSK	Level1	50%	0	20300/1745	21.00	20.65	0.469	-0.021	1.08	0.508	/
		Left Tilt	0	QPSK	Level1	1	0	20300/1745	22.00	21.82	0.535	0.025	1.04	0.558	/
			0	QPSK	Level1	50%	0	20300/1745	21.00	20.65	0.447	0.017	1.08	0.485	/
		Right cheek	0	QPSK	Level1	1	0	20300/1745	22.00	21.82	1.060	-0.030	1.04	1.105	49
			0	QPSK	Level1	1	0	20050/1720	22.00	21.71	0.983	-0.029	1.07	1.051	/
			0	QPSK	Level1	1	0	20175/1732.5	22.00	21.63	0.981	0.080	1.09	1.068	/
			0	QPSK	Level1	50%	0	20300/1745	21.00	20.65	0.853	0.140	1.08	0.925	/
			0	QPSK	Level1	50%	0	20175/1732.5	21.00	20.65	0.904	0.022	1.08	0.980	/
			0	QPSK	Level1	50%	0	20050/1720	21.00	20.64	0.872	0.037	1.09	0.947	/
			0	QPSK	Level1	100%	0	20050/1720	21.00	20.61	0.862	-0.044	1.09	0.943	/
			0	QPSK	Level1	100%	0	20175/1732.5	21.00	20.58	0.947	0.026	1.10	1.043	/
0		QPSK	Level1	100%	0	20300/1745	21.00	20.56	0.914	0.110	1.11	1.011	/		
Right cheek repeat		0	QPSK	Level1	1	0	20300/1745	22.00	21.82	1.020	0.071	1.04	1.063	/	
Right Tilt	0	QPSK	Level1	1	0	20300/1745	22.00	21.82	0.672	-0.040	1.04	0.700	/		
	0	QPSK	Level1	50%	0	20300/1745	21.00	20.65	0.534	0.012	1.08	0.579	/		
LTE 5	Main (ANT 0)	Left cheek	0	QPSK	Level1	1	0	20450/829	25.00	24.14	0.114	0.058	1.22	0.139	/
			0	QPSK	Level1	50%	25	20525/836.5	24.00	23.25	0.106	0.020	1.19	0.126	/
		Left Tilt	0	QPSK	Level1	1	0	20450/829	25.00	24.14	0.033	0.041	1.22	0.040	/
			0	QPSK	Level1	50%	25	20525/836.5	24.00	23.25	0.027	0.061	1.19	0.032	/
		Right cheek	0	QPSK	Level1	1	0	20450/829	25.00	24.14	0.097	0.013	1.22	0.119	/
			0	QPSK	Level1	50%	25	20525/836.5	24.00	23.25	0.087	0.017	1.19	0.104	/
	Right Tilt	0	QPSK	Level1	1	0	20450/829	25.00	24.14	0.055	0.024	1.22	0.067	/	
		0	QPSK	Level1	50%	25	20525/836.5	24.00	23.25	0.051	0.054	1.19	0.060	/	
	DIV (ANT 6)	Left cheek	0	QPSK	Level1	1	49	20450/829	23.00	22.30	0.360	0.070	1.17	0.423	/
			0	QPSK	Level1	50%	13	20525/836.5	22.00	21.37	0.289	0.012	1.16	0.334	/
		Left Tilt	0	QPSK	Level1	1	49	20450/829	23.00	22.30	0.290	0.060	1.17	0.341	/
			0	QPSK	Level1	50%	13	20525/836.5	22.00	21.37	0.248	0.040	1.16	0.287	/
		Right cheek	0	QPSK	Level1	1	49	20450/829	23.00	22.30	0.460	-0.019	1.17	0.540	50
			0	QPSK	Level1	50%	13	20525/836.5	22.00	21.37	0.397	0.050	1.16	0.459	/
Right Tilt		0	QPSK	Level1	1	49	20450/829	23.00	22.30	0.365	0.010	1.17	0.429	/	
		0	QPSK	Level1	50%	13	20525/836.5	22.00	21.37	0.310	-0.090	1.16	0.358	/	
LTE 7	Main	Left cheek	0	QPSK	Level1	1	99	21100/2535	25.00	24.36	0.323	0.049	1.16	0.374	/



LTE 12	(ANT 1)		0	QPSK	Level1	50%	25	21350/2560	24.00	23.51	0.294	0.010	1.12	0.329	/	
		Left Tilt	0	QPSK	Level1	1	99	21100/2535	25.00	24.36	0.101	0.010	1.16	0.117	/	
			0	QPSK	Level1	50%	25	21350/2560	24.00	23.51	0.072	0.022	1.12	0.080	/	
		Right cheek	0	QPSK	Level1	1	99	21100/2535	25.00	24.36	0.140	0.022	1.16	0.162	/	
			0	QPSK	Level1	50%	25	21350/2560	24.00	23.51	0.144	0.084	1.12	0.161	/	
		Right Tilt	0	QPSK	Level1	1	99	21100/2535	25.00	24.36	0.096	0.050	1.16	0.111	/	
	0		QPSK	Level1	50%	25	21350/2560	24.00	23.51	0.075	0.051	1.12	0.084	/		
	DIV (ANT 4)	Left cheek	0	QPSK	Level1	1	99	21350/2560	19.00	18.04	0.402	0.041	1.25	0.501	/	
			0	QPSK	Level1	50%	50	21350/2560	18.00	17.11	0.295	-0.062	1.23	0.362	/	
		Left Tilt	0	QPSK	Level1	1	99	21350/2560	19.00	18.04	0.384	-0.120	1.25	0.479	/	
			0	QPSK	Level1	50%	50	21350/2560	18.00	17.11	0.276	-0.091	1.23	0.339	/	
		Right cheek	0	QPSK	Level1	1	99	21350/2560	19.00	18.04	0.773	0.140	1.25	0.964	51	
			0	QPSK	Level1	1	99	20850/2510	19.00	17.99	0.718	0.160	1.26	0.906	/	
			0	QPSK	Level1	1	99	21100/2535	19.00	17.90	0.725	0.085	1.29	0.934	/	
			0	QPSK	Level1	50%	50	21350/2560	18.00	17.11	0.603	0.110	1.23	0.740	/	
		Right Tilt	0	QPSK	Level1	100%	0	21100/2535	18.00	17.06	0.584	0.047	1.24	0.725	/	
			0	QPSK	Level1	1	99	21350/2560	19.00	18.04	0.572	-0.100	1.25	0.714	/	
		Right Tilt	0	QPSK	Level1	50%	50	21350/2560	18.00	17.11	0.431	0.000	1.23	0.529	/	
			Right cheek	0	QPSK	Level1	1	99	20850/2510	19.00	17.88	0.585	0.160	1.29	0.757	/
	1	0		21048/2529.8	/											
	LTE 12	Main (ANT 0)	Left cheek	0	QPSK	Level1	1	49	23095/707.5	25.00	24.24	0.015	0.034	1.19	0.017	/
				0	QPSK	Level1	50%	25	23130/711	24.00	23.32	0.021	0.029	1.17	0.025	/
			Left Tilt	0	QPSK	Level1	1	49	23095/707.5	25.00	24.24	0.010	0.022	1.19	0.012	/
				0	QPSK	Level1	50%	25	23130/711	24.00	23.32	0.008	0.034	1.17	0.009	/
Right cheek			0	QPSK	Level1	1	49	23095/707.5	25.00	24.24	0.044	0.068	1.19	0.052	/	
			0	QPSK	Level1	50%	25	23130/711	24.00	23.32	0.037	0.035	1.17	0.043	/	
Right Tilt		0	QPSK	Level1	1	49	23095/707.5	25.00	24.24	0.011	0.022	1.19	0.013	/		
		0	QPSK	Level1	50%	25	23130/711	24.00	23.32	0.010	0.018	1.17	0.011	/		
DIV (ANT 6)		Left cheek	0	QPSK	Level1	1	0	23060/704	23.00	22.36	0.210	0.012	1.16	0.243	/	
			0	QPSK	Level1	50%	13	23060/704	22.00	21.32	0.197	0.032	1.17	0.230	/	
		Left Tilt	0	QPSK	Level1	1	0	23060/704	23.00	22.36	0.193	0.050	1.16	0.224	/	
			0	QPSK	Level1	50%	13	23060/704	22.00	21.32	0.178	0.030	1.17	0.208	/	
		Right cheek	0	QPSK	Level1	1	0	23060/704	23.00	22.36	0.246	0.020	1.16	0.285	/	
			0	QPSK	Level1	50%	13	23060/704	22.00	21.32	0.273	0.050	1.17	0.319	/	
	Right Tilt	0	QPSK	Level1	1	0	23060/704	23.00	22.36	0.274	0.020	1.16	0.318	52		
		0	QPSK	Level1	50%	13	23060/704	22.00	21.32	0.227	0.050	1.17	0.265	/		
LTE 28A	Main (ANT 0)	Left cheek	0	QPSK	Level1	1	99	27310/713	25.00	24.60	0.009	0.040	1.10	0.010	/	
			0	QPSK	Level1	50%	50	27310/713	24.00	23.80	0.005	0.030	1.05	0.005	/	
		Left Tilt	0	QPSK	Level1	1	99	27310/713	25.00	24.60	0.002	0.049	1.10	0.002	/	
			0	QPSK	Level1	50%	50	27310/713	24.00	23.80	0.002	0.001	1.05	0.002	/	
		Right cheek	0	QPSK	Level1	1	99	27310/713	25.00	24.60	0.031	0.032	1.10	0.034	/	
			0	QPSK	Level1	50%	50	27310/713	24.00	23.80	0.022	-0.045	1.05	0.023	/	
		Right Tilt	0	QPSK	Level1	1	99	27310/713	25.00	24.60	0.020	0.097	1.10	0.022	/	
			0	QPSK	Level1	1	99	27310/713	25.00	24.60	0.020	0.097	1.10	0.022	/	



LTE 28B	DIV (ANT 6)	Left cheek	0	QPSK	Level1	50%	50	27310/713	24.00	23.80	0.013	0.018	1.05	0.014	/	
			0	QPSK	Level1	1	50	27410/723	23.00	22.55	0.091	0.019	1.11	0.100	/	
		Left Tilt	0	QPSK	Level1	50%	50	27360/718	22.00	21.68	0.073	0.017	1.08	0.079	/	
			0	QPSK	Level1	1	50	27410/723	23.00	22.55	0.081	0.018	1.11	0.090	/	
		Right cheek	0	QPSK	Level1	50%	50	27360/718	22.00	21.68	0.064	0.022	1.08	0.069	/	
			0	QPSK	Level1	1	50	27410/723	23.00	22.55	0.107	-0.024	1.11	0.119	/	
		Right Tilt	0	QPSK	Level1	50%	50	27360/718	22.00	21.68	0.089	0.017	1.08	0.095	/	
			0	QPSK	Level1	1	50	27410/723	23.00	22.55	0.133	0.019	1.11	0.148	53	
	LTE 28B	Main (ANT 0)	Left cheek	0	QPSK	Level1	1	99	27460/728	25.00	24.43	0.070	0.010	1.14	0.080	/
				0	QPSK	Level1	50%	50	27460/728	24.00	23.51	0.045	-0.011	1.12	0.050	/
			Left Tilt	0	QPSK	Level1	1	99	27460/728	25.00	24.43	0.035	0.010	1.14	0.040	/
				0	QPSK	Level1	50%	50	27460/728	24.00	23.51	0.026	0.021	1.12	0.029	/
			Right cheek	0	QPSK	Level1	1	99	27460/728	25.00	24.43	0.060	-0.011	1.14	0.068	/
				0	QPSK	Level1	50%	50	27460/728	24.00	23.51	0.045	-0.014	1.12	0.050	/
Right Tilt			0	QPSK	Level1	1	99	27460/728	25.00	24.43	0.042	-0.012	1.14	0.048	/	
			0	QPSK	Level1	50%	50	27460/728	24.00	23.51	0.034	-0.022	1.12	0.038	/	
DIV (ANT 6)		Left cheek	0	QPSK	Level1	1	99	27560/738	23.00	22.44	0.143	0.010	1.14	0.163	/	
			0	QPSK	Level1	50%	50	27560/738	22.00	21.58	0.110	0.023	1.10	0.121	/	
		Left Tilt	0	QPSK	Level1	1	99	27560/738	23.00	22.44	0.145	-0.012	1.14	0.165	/	
			0	QPSK	Level1	50%	50	27560/738	22.00	21.58	0.113	-0.070	1.10	0.124	/	
		Right cheek	0	QPSK	Level1	1	99	27560/738	23.00	22.44	0.200	0.021	1.14	0.228	54	
			0	QPSK	Level1	50%	50	27560/738	22.00	21.58	0.144	0.011	1.10	0.159	/	
Right Tilt	0	QPSK	Level1	1	99	27560/738	23.00	22.44	0.185	-0.011	1.14	0.210	/			
	0	QPSK	Level1	50%	50	27560/738	22.00	21.58	0.134	0.021	1.10	0.148	/			
LTE 40	Main (ANT 1)	Left cheek	0	QPSK	Level1	1	0	39600/2395	25.00	24.34	0.102	0.016	1.16	0.119	/	
			0	QPSK	Level1	50%	0	39150/2350	24.00	23.28	0.080	0.024	1.18	0.094	/	
		Left Tilt	0	QPSK	Level1	1	0	39600/2395	25.00	24.34	0.042	0.000	1.16	0.049	/	
			0	QPSK	Level1	50%	0	39150/2350	24.00	23.28	0.031	-0.028	1.18	0.037	/	
		Right cheek	0	QPSK	Level1	1	0	39600/2395	25.00	24.34	0.062	0.090	1.16	0.072	/	
			0	QPSK	Level1	50%	0	39150/2350	24.00	23.28	0.053	0.035	1.18	0.063	/	
		Right Tilt	0	QPSK	Level1	1	0	39600/2395	25.00	24.34	0.073	0.014	1.16	0.085	/	
			0	QPSK	Level1	50%	0	39150/2350	24.00	23.28	0.048	0.060	1.18	0.057	/	
	DIV (ANT 4)	Left cheek	0	QPSK	Level1	1	0	39150/2350	23.00	22.78	0.594	-0.170	1.05	0.625	/	
			0	QPSK	Level1	50%	25	39600/2395	22.00	21.85	0.481	0.023	1.04	0.498	/	
		Left Tilt	0	QPSK	Level1	1	0	39150/2350	23.00	22.78	0.627	0.068	1.05	0.660	/	
			0	QPSK	Level1	50%	25	39600/2395	22.00	21.85	0.446	-0.029	1.04	0.462	/	
		Right cheek	0	QPSK	Level1	1	0	39150/2350	23.00	22.78	0.997	0.021	1.05	1.049	/	
			0	QPSK	Level1	1	49	38700/2305	23.00	22.36	0.923	0.020	1.16	1.070	/	
0	QPSK		Level1	1	0	39600/2395	23.00	22.54	0.876	0.016	1.11	0.974	/			
0	QPSK		Level1	50%	25	39600/2395	22.00	21.85	1.080	0.070	1.04	1.118	55			
0	QPSK	Level1	50%	25	38700/2305	22.00	21.39	0.947	0.010	1.15	1.090	/				
0	QPSK	Level1	50%	13	39150/2350	22.00	21.61	0.958	0.072	1.09	1.048	/				



			0	QPSK	Level1	100%	0	39150/2350	22.00	21.67	0.923	-0.050	1.08	0.996	/	
			0	QPSK	Level1	100%	0	38700/2305	22.00	21.27	0.884	0.032	1.18	1.046	/	
			0	QPSK	Level1	100%	0	39600/2395	22.00	21.61	0.875	-0.100	1.09	0.957	/	
		Right cheek repeat	0	QPSK	Level1	50%	25	39600/2395	22.00	21.85	0.997	0.070	1.04	1.032	/	
			Right Tilt	0	QPSK	Level1	1	0	39150/2350	23.00	22.78	1.050	0.044	1.05	1.105	/
		0		QPSK	Level1	1	49	38700/2305	23.00	22.36	0.909	0.012	1.16	1.053	/	
		0		QPSK	Level1	1	0	39600/2395	23.00	22.54	0.988	0.030	1.11	1.098	/	
		0		QPSK	Level1	50%	25	39600/2395	22.00	21.85	0.831	0.039	1.04	0.860	/	
		0		QPSK	Level1	50%	25	38700/2305	22.00	21.39	0.776	0.000	1.15	0.893	/	
		0	QPSK	Level1	50%	13	39150/2350	22.00	21.61	0.794	0.010	1.09	0.869	/		
		LTE 41	Main (ANT 1)	Left cheek	0	QPSK	Level1	1	0	41055/2636.5	26.00	25.69	0.284	0.025	1.07	0.305
0	QPSK				Level1	50%	25	41055/2636.5	25.00	24.68	0.175	0.090	1.08	0.188	/	
Left Tilt	0			QPSK	Level1	1	0	41055/2636.5	26.00	25.69	0.058	-0.072	1.07	0.062	/	
	0			QPSK	Level1	50%	25	41055/2636.5	25.00	24.68	0.039	0.100	1.08	0.042	/	
Right cheek	0			QPSK	Level1	1	0	41055/2636.5	26.00	25.69	0.142	0.060	1.07	0.153	/	
	0			QPSK	Level1	50%	25	41055/2636.5	25.00	24.68	0.127	0.020	1.08	0.137	/	
Right Tilt	0			QPSK	Level1	1	0	41055/2636.5	26.00	25.69	0.118	0.021	1.07	0.127	/	
	0			QPSK	Level1	50%	25	41055/2636.5	25.00	24.68	0.085	-0.025	1.08	0.091	/	
DIV (ANT 4)	Left cheek			0	QPSK	Level1	1	99	40620/2593	23.00	22.39	0.641	0.011	1.15	0.738	/
				0	QPSK	Level1	50%	50	40620/2593	22.00	21.35	0.526	-0.023	1.16	0.611	/
	Left Tilt			0	QPSK	Level1	1	99	40620/2593	23.00	22.39	0.731	0.012	1.15	0.841	/
		0	QPSK	Level1	1	0	40185/2549.5	23.00	22.22	0.725	0.070	1.20	0.868	/		
		0	QPSK	Level1	1	0	41490/2680	23.00	22.11	0.694	0.018	1.23	0.852	/		
		0	QPSK	Level1	50%	50	40620/2593	22.00	21.35	0.612	0.021	1.16	0.711	/		
	Right cheek	0	QPSK	Level1	1	99	40620/2593	23.00	22.39	1.000	0.017	1.15	1.151	56		
		0	QPSK	Level1	1	0	40185/2549.5	23.00	22.22	0.952	0.080	1.20	1.139	/		
		0	QPSK	Level1	1	0	41490/2680	23.00	22.11	0.916	-0.043	1.23	1.124	/		
		0	QPSK	Level1	50%	50	40620/2593	22.00	21.35	0.785	0.010	1.16	0.912	/		
		0	QPSK	Level1	50%	25	40185/2549.5	22.00	21.30	0.745	0.011	1.17	0.875	/		
		0	QPSK	Level1	50%	25	41490/2680	22.00	20.95	0.772	-0.180	1.27	0.983	/		
		0	QPSK	Level1	100%	0	40620/2593	22.00	21.26	0.723	0.060	1.19	0.857	/		
	0	QPSK	Level1	100%	0	40185/2549.5	22.00	21.03	0.711	0.028	1.25	0.889	/			
	0	QPSK	Level1	100%	0	41055/2636.5	22.00	20.91	0.752	0.070	1.29	0.967	/			
	Right cheek repeat	0	QPSK	Level1	1	99	40620/2593	23.00	22.39	0.988	0.041	1.15	1.137	/		
	Right Tilt	0	QPSK	Level1	1	99	40620/2593	23.00	22.39	0.998	-0.023	1.15	1.148	/		
		0	QPSK	Level1	1	0	40185/2549.5	23.00	22.22	0.924	0.011	1.20	1.106	/		
0		QPSK	Level1	1	0	41490/2680	23.00	22.11	0.928	0.027	1.23	1.139	/			
0		QPSK	Level1	50%	50	40620/2593	22.00	21.35	0.803	0.010	1.16	0.933	/			
0		QPSK	Level1	50%	25	40185/2549.5	22.00	21.30	0.726	0.022	1.17	0.853	/			
0		QPSK	Level1	50%	25	41490/2680	22.00	20.95	0.735	0.040	1.27	0.936	/			
Right cheek	0	QPSK	Level1	1	99	39750/2506	23.00	22.08	0.786	0.019	1.24	0.971	/			



						1	0	39948/2525.8							/	
LTE 66	Main (ANT 2)	Left cheek	0	QPSK	Level1	1	0	132322/1745	23.00	22.09	0.382	0.067	1.23	0.471	/	
			0	QPSK	Level1	50%	0	132322/1745	22.00	21.07	0.405	-0.010	1.24	0.502	/	
		Left Tilt	0	QPSK	Level1	1	0	132322/1745	23.00	22.09	0.232	0.025	1.23	0.286	/	
			0	QPSK	Level1	50%	0	132322/1745	22.00	21.07	0.205	0.013	1.24	0.254	/	
		Right cheek	0	QPSK	Level1	1	0	132322/1745	23.00	22.09	0.684	0.090	1.23	0.843	/	
			0	QPSK	Level1	1	50	132072/1720	23.00	21.93	0.714	0.040	1.28	0.913	/	
			0	QPSK	Level1	1	0	132572/1770	23.00	21.98	0.682	-0.100	1.26	0.863	/	
			0	QPSK	Level1	50%	0	132322/1745	22.00	21.07	0.593	0.091	1.24	0.735	/	
			0	QPSK	Level1	100%	0	132072/1720	22.00	21.05	0.581	0.011	1.24	0.723	/	
		Right Tilt	0	QPSK	Level1	1	0	132322/1745	23.00	22.09	0.251	-0.060	1.23	0.310	/	
			0	QPSK	Level1	50%	0	132322/1745	22.00	21.07	0.216	0.011	1.24	0.268	/	
		DIV (ANT 1)	Left cheek	0	QPSK	Level1	1	0	132572/1770	25.00	24.31	0.066	-0.010	1.17	0.077	/
	0			QPSK	Level1	50%	50	132572/1770	24.00	23.32	0.052	0.011	1.17	0.061	/	
	Left Tilt		0	QPSK	Level1	1	0	132572/1770	25.00	24.31	0.067	0.011	1.17	0.079	/	
			0	QPSK	Level1	50%	50	132572/1770	24.00	23.32	0.052	-0.022	1.17	0.061	/	
	Right cheek		0	QPSK	Level1	1	0	132572/1770	25.00	24.31	0.106	-0.013	1.17	0.124	/	
			0	QPSK	Level1	50%	50	132572/1770	24.00	23.32	0.076	-0.015	1.17	0.089	/	
	Right Tilt		0	QPSK	Level1	1	0	132572/1770	25.00	24.31	0.028	-0.011	1.17	0.033	/	
			0	QPSK	Level1	50%	50	132572/1770	24.00	23.32	0.021	0.040	1.17	0.025	/	
	Mas (ANT 4)		Left cheek	0	QPSK	Level1	1	99	132322/1745	20.00	19.11	0.402	0.032	1.23	0.493	/
				0	QPSK	Level1	50%	25	132072/1720	19.00	17.81	0.356	0.090	1.32	0.468	/
		Left Tilt	0	QPSK	Level1	1	99	132322/1745	20.00	19.11	0.318	-0.042	1.23	0.390	/	
			0	QPSK	Level1	50%	25	132072/1720	19.00	17.81	0.294	0.015	1.32	0.387	/	
		Right cheek	0	QPSK	Level1	1	99	132322/1745	20.00	19.11	0.753	0.012	1.23	0.924	57	
			0	QPSK	Level1	1	99	132072/1720	20.00	18.88	0.689	0.090	1.29	0.892	/	
			0	QPSK	Level1	1	0	132572/1770	20.00	18.98	0.702	0.017	1.26	0.888	/	
			0	QPSK	Level1	50%	25	132072/1720	19.00	17.81	0.512	0.000	1.32	0.673	/	
			0	QPSK	Level1	100%	0	132572/1770	19.00	17.51	0.553	-0.022	1.41	0.779	/	
		Right Tilt	0	QPSK	Level1	1	99	132322/1745	20.00	19.11	0.413	0.045	1.23	0.507	/	
	0		QPSK	Level1	50%	25	132072/1720	19.00	17.81	0.375	-0.080	1.32	0.493	/		

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
n2	Main ANT 1	Left cheek	0	SA	DFT-s-OFDM QPSK	Level1	1	104	376000/1880	23.00	22.46	0.130	0.197	1.13	0.147	/
			0		DFT-s-OFDM QPSK	Level1	50%	25	376000/1880	23.00	22.48	0.126	0.034	1.13	0.142	/
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	104	376000/1880	23.00	22.46	0.032	0.010	1.13	0.036	/
			0		DFT-s-OFDM QPSK	Level1	50%	25	376000/1880	23.00	22.48	0.031	0.082	1.13	0.035	/
		Right cheek	0		DFT-s-OFDM QPSK	Level1	1	104	376000/1880	23.00	22.46	0.063	0.043	1.13	0.071	/
			0		DFT-s-OFDM QPSK	Level1	50%	25	376000/1880	23.00	22.48	0.055	0.049	1.13	0.062	/
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	104	376000/1880	23.00	22.46	0.063	0.043	1.13	0.071	/
			0		DFT-s-OFDM QPSK	Level1	50%	25	376000/1880	23.00	22.48	0.060	0.062	1.13	0.068	/



Div	ANT 4	Left cheek	0	SA	DFT-s-OFDM QPSK	Level1	1	104	372000/1860	21.00	19.91	0.452	0.010	1.29	0.581	/		
			0		DFT-s-OFDM QPSK	Level1	50%	25	372000/1860	21.00	20.02	0.478	0.015	1.25	0.599	/		
		Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	104	372000/1860	21.00	19.91	0.314	-0.020	1.29	0.404	/		
			0		DFT-s-OFDM QPSK	Level1	50%	25	372000/1860	21.00	20.02	0.352	-0.011	1.25	0.441	/		
		Right cheek	0	SA	DFT-s-OFDM QPSK	Level1	1	104	372000/1860	21.00	19.91	0.894	0.034	1.29	1.149	/		
			0		DFT-s-OFDM QPSK	Level1	1	104	376000/1880	21.00	19.89	0.843	0.017	1.29	1.088	/		
			0		DFT-s-OFDM QPSK	Level1	1	1	380000/1900	21.00	19.87	0.865	0.090	1.30	1.122	/		
			0		DFT-s-OFDM QPSK	Level1	50%	25	372000/1860	21.00	20.02	0.921	0.012	1.25	1.154	58		
		Right cheek repeat	0	SA	DFT-s-OFDM QPSK	Level1	50%	25	376000/1880	21.00	19.89	0.868	0.042	1.29	1.121	/		
			0		DFT-s-OFDM QPSK	Level1	50%	25	380000/1900	21.00	19.78	0.871	-0.030	1.32	1.154	/		
			0		DFT-s-OFDM QPSK	Level1	50%	25	372000/1860	21.00	20.02	0.915	0.041	1.25	1.147	/		
			0		DFT-s-OFDM QPSK	Level1	100%	0	372000/1860	21.00	19.93	0.794	0.058	1.28	1.016	/		
		Right cheek	0	SA	DFT-s-OFDM QPSK	Level1	100%	0	376000/1880	21.00	19.67	0.812	0.025	1.36	1.103	/		
			0		DFT-s-OFDM QPSK	Level1	100%	0	380000/1900	21.00	19.24	0.756	0.017	1.50	1.134	/		
			0		DFT-s-OFDM QPSK	Level1	1	104	372000/1860	21.00	19.91	0.602	-0.090	1.29	0.774	/		
		Right Tilt	0	SA	DFT-s-OFDM QPSK	Level1	50%	25	372000/1860	21.00	20.02	0.623	0.032	1.25	0.781	/		
			0		CP-OFDM QPSK	Level1	1	1	372000/1860	21.00	19.49	0.785	0.010	1.42	1.111	/		
		n5	Main	Left cheek	0	SA&	DFT-s-OFDM QPSK	Level1	1	1	167800/839	24.00	23.42	0.074	0.146	1.14	0.085	/
					0		DFT-s-OFDM QPSK	Level1	50%	25	166800/834	24.00	23.25	0.071	0.026	1.19	0.084	/
				Left Tilt	0	SA&	DFT-s-OFDM QPSK	Level1	1	1	167800/839	24.00	23.42	0.045	0.050	1.14	0.051	/
0	DFT-s-OFDM QPSK				Level1		50%	25	166800/834	24.00	23.25	0.043	0.092	1.19	0.051	/		
Right cheek	0			SA&	DFT-s-OFDM QPSK	Level1	1	1	167800/839	24.00	23.42	0.083	0.153	1.14	0.095	/		
	0				DFT-s-OFDM QPSK	Level1	50%	25	166800/834	24.00	23.25	0.087	0.022	1.19	0.103	/		
Right Tilt	0			SA&	DFT-s-OFDM QPSK	Level1	1	1	167800/839	24.00	23.42	0.044	0.067	1.14	0.050	/		
	0				DFT-s-OFDM QPSK	Level1	50%	25	166800/834	24.00	23.25	0.044	0.069	1.19	0.053	/		
Div	ANT 6		Left cheek	0	NSA	DFT-s-OFDM QPSK	Level1	1	1	166800/834	22.00	21.46	0.276	0.112	1.13	0.313	/	
				0		DFT-s-OFDM QPSK	Level1	50%	25	167800/839	22.00	21.60	0.306	0.180	1.10	0.336	/	
			Left Tilt	0	NSA	DFT-s-OFDM QPSK	Level1	1	1	166800/834	22.00	21.46	0.251	0.030	1.13	0.284	/	
				0		DFT-s-OFDM QPSK	Level1	50%	25	167800/839	22.00	21.60	0.275	0.036	1.10	0.302	/	
			Right cheek	0	NSA	DFT-s-OFDM QPSK	Level1	1	1	166800/834	22.00	21.46	0.360	0.040	1.13	0.408	59	
				0		DFT-s-OFDM QPSK	Level1	50%	25	167800/839	22.00	21.60	0.346	-0.061	1.10	0.379	/	
			Right Tilt	0	NSA	DFT-s-OFDM QPSK	Level1	1	1	166800/834	22.00	21.46	0.329	0.190	1.13	0.373	/	
				0		DFT-s-OFDM QPSK	Level1	50%	25	167800/839	22.00	21.60	0.338	0.040	1.10	0.371	/	
n7	Main		Left cheek	0	SA	DFT-s-OFDM QPSK	Level1	1	104	502000/2510	23.00	22.60	0.188	0.010	1.10	0.206	/	
				0		DFT-s-OFDM QPSK	Level1	50%	25	507000/2535	23.00	22.49	0.150	0.036	1.12	0.169	/	
			Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	104	502000/2510	23.00	22.60	0.041	0.040	1.10	0.045	/	
				0		DFT-s-OFDM QPSK	Level1	50%	25	507000/2535	23.00	22.49	0.037	0.062	1.12	0.042	/	
		Right cheek	0	SA	DFT-s-OFDM QPSK	Level1	1	104	502000/2510	23.00	22.60	0.102	0.014	1.10	0.112	/		
			0		DFT-s-OFDM QPSK	Level1	50%	25	507000/2535	23.00	22.49	0.112	0.015	1.12	0.126	/		
		Right Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	104	502000/2510	23.00	22.60	0.058	0.045	1.10	0.064	/		
			0		DFT-s-OFDM QPSK	Level1	50%	25	507000/2535	23.00	22.49	0.061	0.018	1.12	0.068	/		
	Div	Left cheek	0	SA	DFT-s-OFDM QPSK	Level1	1	104	507000/2535	20.00	19.12	0.316	0.010	1.22	0.387	/		



ANT 4	Left Tilt	0	DFT-s-OFDM QPSK	Level1	50%	25	507000/2535	20.00	19.15	0.252	-0.009	1.22	0.306	/
		0	DFT-s-OFDM QPSK	Level1	1	104	507000/2535	20.00	19.12	0.356	0.012	1.22	0.436	/
		0	DFT-s-OFDM QPSK	Level1	50%	25	507000/2535	20.00	19.15	0.339	-0.020	1.22	0.412	/
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	104	507000/2535	20.00	19.12	0.638	-0.012	1.22	0.781	/
		0	DFT-s-OFDM QPSK	Level1	50%	25	507000/2535	20.00	19.15	0.636	0.015	1.22	0.773	/
	Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	104	507000/2535	20.00	19.12	0.716	0.024	1.22	0.877	60
		0	DFT-s-OFDM QPSK	Level1	1	104	502000/2510	20.00	19.03	0.643	-0.010	1.25	0.804	/
		0	DFT-s-OFDM QPSK	Level1	1	1	512000/2560	20.00	18.81	0.652	0.020	1.32	0.858	/
		0	DFT-s-OFDM QPSK	Level1	50%	25	507000/2535	20.00	19.15	0.682	0.025	1.22	0.829	/
		0	DFT-s-OFDM QPSK	Level1	50%	25	502000/2510	20.00	19.06	0.632	0.000	1.24	0.785	/
		0	DFT-s-OFDM QPSK	Level1	50%	25	512000/2560	20.00	18.62	0.625	-0.011	1.37	0.859	/
		0	DFT-s-OFDM QPSK	Level1	100%	0	507000/2535	20.00	19.15	0.652	-0.024	1.22	0.793	/
Main ANT 3	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	20.50	20.09	0.193	0.130	1.10	0.212	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	528000/2640	20.50	20.23	0.256	-0.010	1.06	0.272	/
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	20.50	20.09	0.089	0.030	1.10	0.098	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	528000/2640	20.50	20.23	0.175	0.100	1.06	0.186	/
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	20.50	20.09	0.652	0.021	1.10	0.717	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	528000/2640	20.50	20.23	0.747	0.065	1.06	0.795	61
	Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	20.50	20.09	0.168	0.082	1.10	0.185	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	528000/2640	20.50	20.23	0.251	0.090	1.06	0.267	/
Div ANT 6	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	1	518598/2592.99	19.50	19.07	0.258	0.100	1.10	0.285	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	19.50	18.82	0.342	-0.061	1.17	0.400	/
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	518598/2592.99	19.50	19.07	0.352	0.063	1.10	0.389	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	19.50	18.82	0.397	0.100	1.17	0.464	/
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	1	518598/2592.99	19.50	19.07	0.367	0.059	1.10	0.405	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	19.50	18.82	0.319	0.049	1.17	0.373	/
	Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	518598/2592.99	19.50	19.07	0.584	-0.190	1.10	0.645	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	19.50	18.82	0.497	0.047	1.17	0.581	/
Mas ANT 1	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	19.50	19.12	0.156	0.011	1.09	0.170	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	509202/2546.01	19.50	19.02	0.170	0.021	1.12	0.190	/
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	19.50	19.12	0.045	-0.012	1.09	0.049	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	509202/2546.01	19.50	19.02	0.039	0.023	1.12	0.044	/
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	19.50	19.12	0.099	-0.021	1.09	0.108	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	509202/2546.01	19.50	19.02	0.101	0.015	1.12	0.113	/
	Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	19.50	19.12	0.059	0.011	1.09	0.064	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	509202/2546.01	19.50	19.02	0.065	-0.014	1.12	0.073	/
Tas ANT 4	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	16.50	15.73	0.178	0.021	1.19	0.213	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	16.50	15.57	0.206	0.010	1.24	0.255	/
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	16.50	15.73	0.226	-0.023	1.19	0.270	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	16.50	15.57	0.294	-0.020	1.24	0.364	/
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	16.50	15.73	0.403	0.013	1.19	0.481	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	16.50	15.57	0.295	0.023	1.24	0.365	/
	Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	16.50	15.73	0.412	-0.011	1.19	0.492	/
		0	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	16.50	15.57	0.295	0.023	1.24	0.365	/



n41 (MIMO)	Main ANT 3	Right cheek	0	SA	DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	16.50	15.57	0.549	0.011	1.24	0.680	/		
			0		DFT-s-OFDM QPSK	Level1	1	1	518598/2592.99	17.50	17.05	0.385	0.030	1.11	0.427	/		
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	17.50	16.77	0.372	0.069	1.18	0.440	/		
			0		DFT-s-OFDM QPSK	Level1	1	1	518598/2592.99	17.50	17.05	0.184	-0.040	1.11	0.204	/		
	Div ANT 6	Right cheek	0		DFT-s-OFDM QPSK	Level1	50%	67	518598/2592.99	17.50	16.77	0.193	0.012	1.18	0.228	/		
			0		DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	16.50	15.87	0.213	0.030	1.16	0.246	/		
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	50%	67	509202/2546.01	16.50	15.95	0.189	0.014	1.14	0.215	/		
			0		DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	16.50	15.87	0.342	-0.088	1.16	0.395	/		
	Tas ANT 4	Right cheek	0		DFT-s-OFDM QPSK	Level1	50%	67	509202/2546.01	16.50	15.95	0.285	0.024	1.14	0.323	/		
			0		DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	14.50	13.64	0.216	0.090	1.22	0.263	/		
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	50%	271	518598/2592.99	14.50	13.65	0.179	-0.018	1.22	0.218	/		
			0		DFT-s-OFDM QPSK	Level1	1	1	509202/2546.01	14.50	13.64	0.264	0.020	1.22	0.322	/		
	n66	Main ANT 2	Left cheek		0	SA	DFT-s-OFDM QPSK	Level1	1	1	353000/1765	21.50	20.80	0.373	0.011	1.17	0.438	/
					0		DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	21.50	20.84	0.380	-0.009	1.16	0.442	/
			Left Tilt		0		DFT-s-OFDM QPSK	Level1	1	1	353000/1765	21.50	20.80	0.143	-0.021	1.17	0.168	/
					0		DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	21.50	20.84	0.138	0.021	1.16	0.161	/
Right cheek			0	DFT-s-OFDM QPSK	Level1		1	1	353000/1765	21.50	20.80	0.798	0.021	1.17	0.938	62		
			0	DFT-s-OFDM QPSK	Level1		1	1	353000/1765	21.50	20.80	0.724	-0.038	1.17	0.851	/		
			0	DFT-s-OFDM QPSK	Level1		1	1	353000/1765	21.50	20.80	0.687	0.019	1.17	0.807	/		
			0	DFT-s-OFDM QPSK	Level1		50%	40	353000/1765	21.50	20.84	0.581	0.023	1.16	0.676	/		
Right Tilt		0	DFT-s-OFDM QPSK	Level1	100%		0	353000/1765	21.50	20.66	0.642	0.019	1.21	0.779	/			
		0	DFT-s-OFDM QPSK	Level1	1		1	353000/1765	21.50	20.80	0.236	-0.015	1.17	0.277	/			
Main ANT 2		Left cheek	0	NSA	DFT-s-OFDM QPSK		Level1	1	1	353000/1765	20.50	19.73	0.294	0.040	1.19	0.351	/	
			0		DFT-s-OFDM QPSK		Level1	50%	40	353000/1765	20.50	19.61	0.312	0.029	1.23	0.383	/	
		Left Tilt	0		DFT-s-OFDM QPSK		Level1	1	1	353000/1765	20.50	19.73	0.127	-0.020	1.19	0.152	/	
			0		DFT-s-OFDM QPSK		Level1	50%	40	353000/1765	20.50	19.61	0.102	0.015	1.23	0.125	/	
		Right cheek	0		DFT-s-OFDM QPSK		Level1	1	1	353000/1765	20.50	19.73	0.638	0.014	1.19	0.762	/	
			0		DFT-s-OFDM QPSK		Level1	50%	40	353000/1765	20.50	19.61	0.472	0.020	1.23	0.579	/	
	Right Tilt	0	DFT-s-OFDM QPSK		Level1	1	1	353000/1765	20.50	19.73	0.156	0.078	1.19	0.186	/			
		0	DFT-s-OFDM QPSK		Level1	50%	40	353000/1765	20.50	19.61	0.187	0.025	1.23	0.230	/			
Div ANT 1	Left cheek	0	SA&N		DFT-s-OFDM QPSK	Level1	1	158	349000/1745	19.00	18.23	0.038	0.061	1.19	0.045	/		
		0			DFT-s-OFDM QPSK	Level1	50%	40	349000/1745	19.00	18.30	0.039	0.041	1.17	0.046	/		
	Left Tilt	0			DFT-s-OFDM QPSK	Level1	1	158	349000/1745	19.00	18.23	0.021	0.029	1.19	0.025	/		
		0			DFT-s-OFDM QPSK	Level1	50%	40	349000/1745	19.00	18.30	0.025	0.036	1.17	0.029	/		
	Right cheek	0			DFT-s-OFDM QPSK	Level1	1	158	349000/1745	19.00	18.23	0.025	0.162	1.19	0.029	/		
		0			DFT-s-OFDM QPSK	Level1	50%	40	349000/1745	19.00	18.30	0.029	0.056	1.17	0.034	/		
	Right Tilt	0			DFT-s-OFDM QPSK	Level1	1	158	349000/1745	19.00	18.23	0.006	0.108	1.19	0.007	/		
		0			DFT-s-OFDM QPSK	Level1	50%	40	349000/1745	19.00	18.30	0.010	0.026	1.17	0.012	/		
Mas ANT 4	Left cheek	0		SA	DFT-s-OFDM QPSK	Level1	1	1	349000/1745	19.00	18.40	0.301	-0.110	1.15	0.346	/		
		0			DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	19.00	18.41	0.304	0.080	1.15	0.348	/		
Left Tilt	0	DFT-s-OFDM QPSK			Level1	1	1	349000/1745	19.00	18.40	0.220	0.025	1.15	0.253	/			



n77	Main ANT 3	Right cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	19.00	18.41	0.209	0.029	1.15	0.239	/	
			0		DFT-s-OFDM QPSK	Level1	1	1	349000/1745	19.00	18.40	0.649	0.043	1.15	0.745	/	
		Right Tilt	0	SA	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	19.00	18.41	0.657	0.026	1.15	0.753	/	
			0		DFT-s-OFDM QPSK	Level1	1	1	349000/1745	19.00	18.40	0.386	0.050	1.15	0.443	/	
		Left cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	19.00	18.41	0.385	0.110	1.15	0.441	/	
			0		DFT-s-OFDM QPSK	Level1	1	1	349000/1745	19.00	18.40	0.649	0.043	1.15	0.745	/	
		Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	19.00	18.41	0.657	0.026	1.15	0.753	/	
			0		DFT-s-OFDM QPSK	Level1	1	1	349000/1745	19.00	18.40	0.386	0.050	1.15	0.443	/	
	Right cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	19.00	18.41	0.385	0.110	1.15	0.441	/		
		0		DFT-s-OFDM QPSK	Level1	1	1	349000/1745	19.00	18.40	0.649	0.043	1.15	0.745	/		
	Right Tilt	0	SA	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	19.00	18.41	0.657	0.026	1.15	0.753	/		
		0		DFT-s-OFDM QPSK	Level1	1	1	349000/1745	19.00	18.40	0.386	0.050	1.15	0.443	/		
	n78	Main ANT 3	Left cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	1	650000/3750	17.50	16.81	0.138	0.022	1.17	0.162	/
				0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	17.50	16.33	0.062	-0.023	1.31	0.081	/
			Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	1	650000/3750	17.50	16.81	0.138	0.045	1.17	0.162	/
				0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	17.50	16.33	0.082	0.014	1.31	0.107	/
			Right cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	1	650000/3750	17.50	16.81	0.232	-0.120	1.17	0.272	/
				0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	17.50	16.33	0.154	0.026	1.31	0.202	/
			Right Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	1	650000/3750	17.50	16.81	0.215	0.083	1.17	0.252	/
				0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	17.50	16.33	0.121	-0.058	1.31	0.158	/
Div ANT 7		Left cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	15.50	14.67	0.342	0.016	1.21	0.414	/	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	15.50	14.51	0.279	-0.050	1.26	0.350	/	
		Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	15.50	14.67	0.420	0.023	1.21	0.508	63	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	15.50	14.51	0.395	0.025	1.26	0.496	/	
		Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	1	656000/3840	15.50	14.29	0.372	0.049	1.32	0.492	/	
			0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	15.50	14.25	0.354	0.000	1.33	0.472	/	
		Right cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	15.50	14.67	0.193	0.120	1.21	0.234	/	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	15.50	14.51	0.172	0.026	1.26	0.216	/	
Right Tilt		0	SA	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	15.50	14.67	0.302	-0.080	1.21	0.366	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	15.50	14.51	0.267	0.039	1.26	0.335	/		
Mas ANT 5		Left cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	17.00	16.57	0.125	0.060	1.10	0.138	/	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.00	16.52	0.087	0.037	1.12	0.097	/	
	Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	17.00	16.57	0.185	-0.018	1.10	0.204	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.00	16.52	0.089	0.056	1.12	0.099	/		
	Right cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	17.00	16.57	0.259	0.000	1.10	0.286	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.00	16.52	0.158	0.067	1.12	0.176	/		
	Right Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	17.00	16.57	0.249	0.093	1.10	0.275	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.00	16.52	0.175	-0.016	1.12	0.195	/		
Tas ANT 2	Left cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	17.00	16.24	0.052	0.090	1.19	0.062	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.00	16.14	0.075	-0.049	1.22	0.091	/		
	Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	17.00	16.24	0.023	0.050	1.19	0.027	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.00	16.14	0.031	0.017	1.22	0.038	/		
	Right cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	17.00	16.24	0.098	0.039	1.19	0.117	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.00	16.14	0.095	0.010	1.22	0.116	/		
	Right Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	17.00	16.24	0.029	0.024	1.19	0.035	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.00	16.14	0.055	0.020	1.22	0.067	/		
Main ANT 3	Left cheek	0	SA&N	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	20.00	19.00	0.206	0.010	1.26	0.259	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	20.00	18.90	0.155	-0.021	1.29	0.200	/		
	Left Tilt	0	SA	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	20.00	19.00	0.257	0.015	1.26	0.324	/		
		0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	20.00	18.90	0.182	0.010	1.29	0.234	/		



Antenna	Position	Dist. (mm)	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.		
Div ANT 7	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	20.00	19.00	0.262	0.066	1.26	0.330	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	20.00	18.90	0.395	-0.022	1.29	0.509	/	
	Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	20.00	19.00	0.258	0.000	1.26	0.325	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	20.00	18.90	0.334	0.020	1.29	0.430	/	
	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	17.50	16.67	0.399	0.010	1.21	0.483	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.50	16.48	0.376	0.015	1.26	0.476	/	
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	17.50	16.67	0.552	0.000	1.21	0.668	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.50	16.48	0.596	0.132	1.26	0.754	64	
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	271	650000/3750	17.50	15.89	0.485	0.068	1.45	0.703	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	650000/3750	17.50	15.73	0.462	-0.099	1.50	0.694	/	
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	17.50	16.67	0.342	0.010	1.21	0.414	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.50	16.48	0.287	0.030	1.26	0.363	/	
	Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	17.50	16.67	0.389	0.012	1.21	0.471	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	17.50	16.48	0.372	0.060	1.26	0.470	/	
	Mas ANT 5	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	20.00	19.09	0.094	0.020	1.23	0.116	/
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	20.00	18.89	0.186	0.021	1.29	0.240	/
		Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	20.00	19.09	0.095	-0.012	1.23	0.117	/
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	20.00	18.89	0.155	0.022	1.29	0.200	/
		Right cheek	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	20.00	19.09	0.258	0.011	1.23	0.318	/
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	20.00	18.89	0.426	0.090	1.29	0.550	/
		Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	20.00	19.09	0.178	-0.010	1.23	0.219	/
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	20.00	18.89	0.264	0.021	1.29	0.341	/
	Tas ANT 2	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	19.50	18.58	0.098	0.087	1.24	0.121	/
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	19.50	18.50	0.195	-0.051	1.26	0.245	/
Left Tilt		0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	19.50	18.58	0.038	0.024	1.24	0.047	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	19.50	18.50	0.063	0.035	1.26	0.079	/	
Right cheek		0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	19.50	18.58	0.182	0.010	1.24	0.225	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	19.50	18.50	0.267	0.090	1.26	0.336	/	
Right Tilt		0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	19.50	18.58	0.048	0.026	1.24	0.059	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	19.50	18.50	0.105	0.044	1.26	0.132	/	
n78 (MIMO) Div ANT 7	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	14.50	13.62	0.215	-0.090	1.22	0.263	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	14.50	13.40	0.198	0.014	1.29	0.255	/	
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	14.50	13.62	0.315	0.030	1.22	0.386	/	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	14.50	13.40	0.302	0.079	1.29	0.389	/	

Band	Antenna	Test Position	Dist. (mm)	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
2.4G	ANT 7	Left cheek	0	802.11b	98.0%	Level1	6/2437	18.00	17.85	0.342	0.016	1.06	0.361	/
		Left Tilt	0	802.11b	98.0%	Level1	6/2437	18.00	17.85	0.323	0.014	1.06	0.341	/
		Right cheek	0	802.11b	98.0%	Level1	6/2437	18.00	17.85	0.274	-0.010	1.06	0.289	/
		Right Tilt	0	802.11b	98.0%	Level1	6/2437	18.00	17.85	0.384	0.020	1.06	0.406	65
	ANT 9	Left cheek	0	802.11b	98.0%	Level1	1/2412	18.00	17.58	0.351	0.022	1.12	0.395	/
		Left Tilt	0	802.11b	98.0%	Level1	1/2412	18.00	17.58	0.061	0.010	1.12	0.068	/



		Right cheek	0	802.11b	98.0%	Level1	1/2412	18.00	17.58	0.133	-0.050	1.12	0.150	/	
		Right Tilt	0	802.11b	98.0%	Level1	1/2412	18.00	17.58	0.029	0.070	1.12	0.033	/	
	MIMO		Left cheek	0	802.11b	98.0%	Level1	6/2437	18.51	17.84	0.196	0.039	1.19	0.233	/
			Left Tilt	0	802.11b	98.0%	Level1	6/2437	18.51	17.84	0.217	-0.060	1.19	0.258	/
			Right cheek	0	802.11b	98.0%	Level1	6/2437	18.51	17.84	0.188	0.023	1.19	0.224	/
			Right Tilt	0	802.11b	98.0%	Level1	6/2437	18.51	17.84	0.286	0.015	1.19	0.341	/
U-NII-1	ANT 8	Left cheek	0	802.11a	100.0%	Level1	36/5180	15.50	14.46	0.919	0.031	1.27	1.168	66	
		Left cheek repeat	0	802.11a	100.0%	Level1	36/5180	15.50	14.46	0.915	0.030	1.27	1.163	/	
		Left cheek	0	802.11a	100.0%	Level1	40/5200	15.50	14.19	0.789	0.058	1.35	1.067	/	
		Left cheek	0	802.11a	100.0%	Level1	48/5240	15.50	14.29	0.824	0.080	1.32	1.089	/	
		Left Tilt	0	802.11a	100.0%	Level1	36/5180	15.50	14.46	0.614	0.058	1.27	0.780	/	
		Right cheek	0	802.11a	100.0%	Level1	36/5180	15.50	14.46	0.338	-0.013	1.27	0.429	/	
		Right Tilt	0	802.11a	100.0%	Level1	36/5180	15.50	14.46	0.418	0.087	1.27	0.531	/	
	ANT 9	Left cheek	0	802.11ac-VHT20	100.0%	Level1	48/5240	19.50	18.31	0.013	0.099	1.32	0.017	/	
		Left Tilt	0	802.11ac-VHT20	100.0%	Level1	48/5240	19.50	18.31	0.005	0.040	1.32	0.007	/	
		Right cheek	0	802.11ac-VHT20	100.0%	Level1	48/5240	19.50	18.31	0.000	-0.036	1.32	0.000	/	
		Right Tilt	0	802.11ac-VHT20	100.0%	Level1	48/5240	19.50	18.31	0.000	0.047	1.32	0.000	/	
	MIMO	Left cheek	0	802.11ac-VHT20	100.0%	Level1	36/5180	16.51	15.25	0.784	0.081	1.34	1.048	/	
		Left cheek	0	802.11ac-VHT20	100.0%	Level1	40/5200	16.51	15.24	0.723	0.075	1.34	0.969	/	
		Left cheek	0	802.11ac-VHT20	100.0%	Level1	48/5240	16.51	14.94	0.724	0.087	1.44	1.040	/	
		Left Tilt	0	802.11ac-VHT20	100.0%	Level1	36/5180	16.51	15.25	0.612	-0.020	1.34	0.818	/	
		Left Tilt	0	802.11ac-VHT20	100.0%	Level1	40/5200	16.51	15.24	0.573	-0.074	1.34	0.768	/	
		Left Tilt	0	802.11ac-VHT20	100.0%	Level1	48/5240	16.51	14.94	0.649	0.010	1.44	0.932	/	
		Right cheek	0	802.11ac-VHT20	100.0%	Level1	36/5180	16.51	15.25	0.281	0.030	1.34	0.376	/	
		Right Tilt	0	802.11ac-VHT20	100.0%	Level1	36/5180	16.51	15.25	0.339	0.027	1.34	0.453	/	
	U-NII-2A	ANT 8	Left cheek	0	802.11a	100.0%	Level1	52/5260	14.50	13.22	0.664	0.010	1.34	0.892	/
			Left cheek	0	802.11a	100.0%	Level1	60/5300	14.50	13.12	0.679	0.042	1.37	0.933	/
			Left cheek	0	802.11a	100.0%	Level1	64/5320	14.50	13.07	0.627	-0.100	1.39	0.872	/
			Left Tilt	0	802.11a	100.0%	Level1	52/5260	14.50	13.22	0.469	0.076	1.34	0.630	/
			Right cheek	0	802.11a	100.0%	Level1	52/5260	14.50	13.22	0.211	-0.040	1.34	0.283	/
Right Tilt			0	802.11a	100.0%	Level1	52/5260	14.50	13.22	0.275	0.180	1.34	0.369	/	
ANT 9		Left cheek	0	802.11ax HE20	100.0%	Level1	52/5260	19.50	18.37	0.011	-0.086	1.30	0.014	/	
		Left Tilt	0	802.11ax HE20	100.0%	Level1	52/5260	19.50	18.37	0.003	-0.060	1.30	0.004	/	
		Right cheek	0	802.11ax HE20	100.0%	Level1	52/5260	19.50	18.37	0.019	0.025	1.30	0.025	/	
		Right Tilt	0	802.11ax HE20	100.0%	Level1	52/5260	19.50	18.37	0.000	0.055	1.30	0.000	/	
MIMO		Left cheek	0	802.11a	100.0%	Level1	52/5260	17.51	16.38	0.645	0.090	1.30	0.836	/	
		Left cheek	0	802.11a	100.0%	Level1	60/5300	17.51	16.08	0.715	0.026	1.39	0.993	/	
		Left cheek	0	802.11a	100.0%	Level1	64/5320	17.51	16.16	0.662	0.010	1.36	0.903	/	
		Left Tilt	0	802.11a	100.0%	Level1	52/5260	17.51	16.38	0.741	0.032	1.30	0.960	/	
		Left Tilt	0	802.11a	100.0%	Level1	60/5300	17.51	16.08	0.677	0.014	1.39	0.940	/	
		Left Tilt	0	802.11a	100.0%	Level1	64/5320	17.51	16.16	0.649	-0.022	1.36	0.885	/	
		Right cheek	0	802.11a	100.0%	Level1	52/5260	17.51	16.38	0.262	0.047	1.30	0.340	/	
		Right Tilt	0	802.11a	100.0%	Level1	52/5260	17.51	16.38	0.317	-0.080	1.30	0.411	/	



U-NII-2C	ANT 8	Left cheek	0	802.11a	100.0%	Level1	116/5580	18.50	17.19	0.728	0.066	1.35	0.984	/	
		Left cheek	0	802.11a	100.0%	Level1	100/5500	18.50	17.09	0.675	-0.012	1.38	0.934	/	
		Left cheek	0	802.11a	100.0%	Level1	140/5700	18.50	17.02	0.704	0.019	1.41	0.990	/	
		Left Tilt	0	802.11a	100.0%	Level1	116/5580	18.50	17.19	0.569	0.027	1.35	0.769	/	
		Right cheek	0	802.11a	100.0%	Level1	116/5580	18.50	17.19	0.241	0.089	1.35	0.326	/	
		Right Tilt	0	802.11a	100.0%	Level1	116/5580	18.50	17.19	0.262	-0.120	1.35	0.354	/	
	ANT 9	Left cheek	0	802.11a	100.0%	Level1	100/5500	19.50	18.28	0.059	-0.025	1.32	0.078	/	
		Left Tilt	0	802.11a	100.0%	Level1	100/5500	19.50	18.28	0.070	0.190	1.32	0.092	/	
		Right cheek	0	802.11a	100.0%	Level1	100/5500	19.50	18.28	0.052	-0.025	1.32	0.069	/	
		Right Tilt	0	802.11a	100.0%	Level1	100/5500	19.50	18.28	0.037	0.055	1.32	0.049	/	
	MIMO	Left cheek	0	802.11ac-VHT20	100.0%	Level1	140/5700	19.51	18.51	0.729	-0.030	1.26	0.917	/	
		Left cheek	0	802.11ac-VHT20	100.0%	Level1	100/5500	19.51	18.02	0.652	-0.052	1.41	0.920	/	
		Left cheek	0	802.11ac-VHT20	100.0%	Level1	116/5580	19.51	18.31	0.649	0.095	1.32	0.857	/	
		Left Tilt	0	802.11ac-VHT20	100.0%	Level1	140/5700	19.51	18.51	0.582	0.130	1.26	0.732	/	
		Right cheek	0	802.11ac-VHT20	100.0%	Level1	140/5700	19.51	18.51	0.357	0.100	1.26	0.449	/	
		Right Tilt	0	802.11ac-VHT20	100.0%	Level1	140/5700	19.51	18.51	0.392	0.014	1.26	0.493	/	
	U-NII-3	ANT 8	Left cheek	0	802.11a	100.0%	Level1	165/5825	19.50	18.37	0.900	0.098	1.30	1.168	/
			Left cheek repeat	0	802.11a	100.0%	Level1	165/5825	19.50	18.37	0.893	0.026	1.30	1.159	/
Left cheek			0	802.11a	100.0%	Level1	149/5745	19.50	18.36	0.842	-0.100	1.30	1.094	/	
Left cheek			0	802.11a	100.0%	Level1	157/5785	19.50	18.24	0.854	0.040	1.34	1.141	/	
Left Tilt			0	802.11a	100.0%	Level1	165/5825	19.50	18.37	0.615	0.082	1.30	0.798	/	
Right cheek			0	802.11a	100.0%	Level1	165/5825	19.50	18.37	0.362	-0.070	1.30	0.470	/	
Right Tilt			0	802.11a	100.0%	Level1	165/5825	19.50	18.37	0.402	0.030	1.30	0.522	/	
ANT 9		Left cheek	0	802.11a	100.0%	Level1	149/5745	19.50	18.25	0.231	0.151	1.33	0.308	/	
		Left Tilt	0	802.11a	100.0%	Level1	149/5745	19.50	18.25	0.302	0.169	1.33	0.403	/	
		Right cheek	0	802.11a	100.0%	Level1	149/5745	19.50	18.25	0.190	-0.045	1.33	0.253	/	
		Right Tilt	0	802.11a	100.0%	Level1	149/5745	19.50	18.25	0.185	0.022	1.33	0.247	/	
MIMO		Left cheek	0	802.11a	100.0%	Level1	165/5825	19.51	18.26	0.764	-0.160	1.33	1.019	/	
		Left cheek	0	802.11a	100.0%	Level1	149/5745	19.51	18.22	0.729	0.110	1.35	0.982	/	
		Left cheek	0	802.11a	100.0%	Level1	157/5785	19.51	17.95	0.708	0.091	1.43	1.013	/	
		Left Tilt	0	802.11a	100.0%	Level1	165/5825	19.51	18.26	0.586	0.100	1.33	0.782	/	
		Right cheek	0	802.11a	100.0%	Level1	165/5825	19.51	18.26	0.353	0.015	1.33	0.471	/	
		Right Tilt	0	802.11a	100.0%	Level1	165/5825	19.51	18.26	0.384	-0.070	1.33	0.512	/	
Bluetooth		ANT 7	Left cheek	0	DH5	76.9%	-	39/2441	13.50	12.65	0.111	-0.023	1.58	0.176	/
	Left Tilt		0	DH5	76.9%	-	39/2441	13.50	12.65	0.123	0.013	1.58	0.195	67	
	Right cheek		0	DH5	76.9%	-	39/2441	13.50	12.65	0.076	0.070	1.58	0.120	/	
	Right Tilt		0	DH5	76.9%	-	39/2441	13.50	12.65	0.104	0.036	1.58	0.164	/	



Body-worn SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
GSM 850	Main (ANT 0)	Back Side	15	GSM	Level3	-	-	190/836.6	32.50	31.76	0.276	0.030	1.19	0.327	68
		Front Side	15	GSM	Level3	-	-	190/836.6	32.50	31.76	0.196	-0.011	1.19	0.232	/
	DIV (ANT 6)	Back Side	15	GSM	Level3	-	-	190/836.6	31.00	29.89	0.007	-0.010	1.29	0.009	/
		Front Side	15	GSM	Level3	-	-	190/836.6	31.00	29.89	0.008	-0.009	1.29	0.010	/
GSM 1900	Main (ANT 1)	Back Side	15	GSM	Level3	-	-	661/1880	30.00	29.05	0.215	0.110	1.24	0.268	69
		Front Side	15	GSM	Level3	-	-	661/1880	30.00	29.05	0.169	0.011	1.24	0.210	/
	DIV (ANT 4)	Back Side	15	GSM	Level3	-	-	661/1880	29.00	27.95	0.075	0.010	1.27	0.096	/
		Front Side	15	GSM	Level3	-	-	661/1880	29.00	27.95	0.048	0.012	1.27	0.061	/
WCDMA II	Main (ANT 1)	Back Side	15	RMC	Level3	-	-	9400/1880	25.00	23.87	0.493	-0.080	1.30	0.640	70
		Front Side	15	RMC	Level3	-	-	9400/1880	25.00	23.87	0.465	0.010	1.30	0.603	/
	DIV (ANT 4)	Back Side	15	RMC	Level3	-	-	9400/1880	23.50	22.63	0.216	0.010	1.22	0.264	/
		Front Side	15	RMC	Level3	-	-	9400/1880	23.50	22.63	0.160	-0.010	1.22	0.195	/
WCDMA IV	Main (ANT 1)	Back Side	15	RMC	Level3	-	-	1413/1732.6	25.00	23.82	0.435	-0.110	1.31	0.571	71
		Front Side	15	RMC	Level3	-	-	1413/1732.6	25.00	23.82	0.368	0.000	1.31	0.483	/
	DIV (ANT 4)	Back Side	15	RMC	Level3	-	-	1413/1732.6	23.50	22.69	0.280	-0.020	1.21	0.337	/
		Front Side	15	RMC	Level3	-	-	1413/1732.6	23.50	22.69	0.348	-0.010	1.21	0.419	/
WCDMA V	Main (ANT 0)	Back Side	15	RMC	Level3	-	-	4183/836.6	25.00	24.05	0.268	-0.010	1.24	0.334	72
		Front Side	15	RMC	Level3	-	-	4183/836.6	25.00	24.05	0.219	-0.009	1.24	0.273	/
	DIV (ANT 6)	Back Side	15	RMC	Level3	-	-	4183/836.6	23.00	22.25	0.009	-0.047	1.19	0.011	/
		Front Side	15	RMC	Level3	-	-	4183/836.6	23.00	22.25	0.013	-0.130	1.19	0.015	/
LTE 2	Main (ANT 1)	Back Side	15	QPSK	Level3	1	99	18700/1860	25.00	24.32	0.484	0.050	1.17	0.566	73
			15	QPSK	Level3	50%	25	18700/1860	24.00	23.38	0.412	-0.020	1.15	0.475	/
		Front Side	15	QPSK	Level3	1	99	18700/1860	25.00	24.32	0.405	0.040	1.17	0.474	/
			15	QPSK	Level3	50%	25	18700/1860	24.00	23.38	0.352	0.010	1.15	0.406	/
	DIV (ANT 4)	Back Side	15	QPSK	Level3	1	0	18700/1860	23.50	22.97	0.206	0.067	1.13	0.233	/
			15	QPSK	Level3	50%	25	18700/1860	22.50	22.03	0.185	-0.050	1.11	0.206	/
		Front Side	15	QPSK	Level3	1	0	18700/1860	23.50	22.97	0.123	0.028	1.13	0.139	/
			15	QPSK	Level3	50%	25	18700/1860	22.50	22.03	0.109	0.015	1.11	0.121	/
LTE 4	Main (ANT 1)	Back Side	15	QPSK	Level3	1	99	20175/1732.5	25.00	24.18	0.415	0.000	1.21	0.501	74
			15	QPSK	Level3	50%	50	20175/1732.5	24.00	23.46	0.296	0.026	1.13	0.335	/
		Front Side	15	QPSK	Level3	1	99	20175/1732.5	25.00	24.18	0.324	0.045	1.21	0.391	/
			15	QPSK	Level3	50%	50	20175/1732.5	24.00	23.46	0.217	-0.016	1.13	0.246	/
	DIV (ANT 4)	Back Side	15	QPSK	Level3	1	0	20175/1732.5	23.50	23.05	0.188	0.028	1.11	0.209	/
			15	QPSK	Level3	50%	25	20050/1720	22.50	22.06	0.134	0.030	1.11	0.148	/
		Front Side	15	QPSK	Level3	1	0	20175/1732.5	23.50	23.05	0.203	0.015	1.11	0.225	/
			15	QPSK	Level3	50%	25	20050/1720	22.50	22.06	0.178	0.033	1.11	0.197	/
LTE 5	Main (ANT 0)	Back Side	15	QPSK	Level3	1	0	20450/829	25.00	24.14	0.282	-0.030	1.22	0.344	75
			15	QPSK	Level3	50%	25	20525/836.5	24.00	23.25	0.227	0.026	1.19	0.270	/
		Front Side	15	QPSK	Level3	1	0	20450/829	25.00	24.14	0.129	0.014	1.22	0.157	/



	DIV (ANT 6)	Back Side	15	QPSK	Level3	50%	25	20525/836.5	24.00	23.25	0.117	-0.013	1.19	0.139	/	
			15	QPSK	Level3	1	49	20450/829	23.00	22.30	0.012	0.080	1.17	0.014	/	
		Front Side	15	QPSK	Level3	50%	13	20525/836.5	22.00	21.37	0.008	0.026	1.16	0.009	/	
			15	QPSK	Level3	1	49	20450/829	23.00	22.30	0.025	0.048	1.17	0.029	/	
LTE 7	Main (ANT 1)	Back Side	15	QPSK	Level3	1	99	21100/2535	25.00	24.36	0.571	0.015	1.16	0.662	/	
			15	QPSK	Level3	50%	25	21350/2560	24.00	23.51	0.531	0.023	1.12	0.594	/	
		Front Side	15	QPSK	Level3	1	99	21100/2535	25.00	24.36	0.501	0.080	1.16	0.581	/	
			15	QPSK	Level3	50%	25	21350/2560	24.00	23.51	0.406	-0.015	1.12	0.454	/	
	DIV (ANT 4)	Back Side	15	QPSK	Level3	1	50	21350/2560	24.00	23.02	0.219	0.032	1.25	0.274	/	
			15	QPSK	Level3	50%	25	21350/2560	23.00	22.17	0.189	0.010	1.21	0.229	/	
		Front Side	15	QPSK	Level3	1	50	21350/2560	24.00	23.02	0.187	0.011	1.25	0.234	/	
			15	QPSK	Level3	50%	25	21350/2560	23.00	22.17	0.161	0.029	1.21	0.195	/	
	Main (ANT 1)	Back Side	SIM2	15	QPSK	Level3	1	99	21100/2535	25.00	24.36	0.607	0.067	1.16	0.703	76
				15	QPSK	Level3	1	99	20850/2510	25.00	24.08	0.432	-0.100	1.24	0.534	/
		15	QPSK	Level3	1	0	21048/2529.8	25.00	24.08	0.432	-0.100	1.24	0.534	/		
	LTE 12	Main (ANT 0)	Back Side	15	QPSK	Level3	1	49	23095/707.5	25.00	24.24	0.127	0.060	1.19	0.151	77
15				QPSK	Level3	50%	25	23130/711	24.00	23.32	0.104	0.022	1.17	0.122	/	
Front Side			15	QPSK	Level3	1	49	23095/707.5	25.00	24.24	0.068	-0.160	1.19	0.081	/	
			15	QPSK	Level3	50%	25	23130/711	24.00	23.32	0.066	0.032	1.17	0.077	/	
DIV (ANT 6)		Back Side	15	QPSK	Level3	1	0	23060/704	23.00	22.36	0.025	-0.020	1.16	0.029	/	
			15	QPSK	Level3	50%	13	23060/704	22.00	21.32	0.018	0.028	1.17	0.021	/	
		Front Side	15	QPSK	Level3	1	0	23060/704	23.00	22.36	0.016	-0.064	1.16	0.019	/	
			15	QPSK	Level3	50%	13	23060/704	22.00	21.32	0.011	0.037	1.17	0.013	/	
LTE 28A	Main (ANT 0)	Back Side	15	QPSK	Level3	1	99	27310/713	25.00	24.60	0.158	0.040	1.10	0.173	78	
			15	QPSK	Level3	50%	50	27310/713	24.00	23.80	0.116	0.031	1.05	0.121	/	
		Front Side	15	QPSK	Level3	1	99	27310/713	25.00	24.60	0.079	-0.069	1.10	0.087	/	
			15	QPSK	Level3	50%	50	27310/713	24.00	23.80	0.059	0.017	1.05	0.062	/	
	DIV (ANT 6)	Back Side	15	QPSK	Level3	1	50	27410/723	23.00	22.55	0.014	0.030	1.11	0.016	/	
			15	QPSK	Level3	50%	50	27360/718	22.00	21.68	0.012	0.080	1.08	0.013	/	
		Front Side	15	QPSK	Level3	1	50	27410/723	23.00	22.55	0.016	0.106	1.11	0.018	/	
			15	QPSK	Level3	50%	50	27360/718	22.00	21.68	0.015	0.024	1.08	0.016	/	
LTE 28B	Main (ANT 0)	Back Side	15	QPSK	Level3	1	99	27460/728	25.00	24.43	0.216	-0.010	1.14	0.246	79	
			15	QPSK	Level3	50%	50	27460/728	24.00	23.51	0.175	0.018	1.12	0.196	/	
		Front Side	15	QPSK	Level3	1	99	27460/728	25.00	24.43	0.168	-0.051	1.14	0.192	/	
			15	QPSK	Level3	50%	50	27460/728	24.00	23.51	0.128	0.016	1.12	0.143	/	
	DIV (ANT 6)	Back Side	15	QPSK	Level3	1	99	27560/738	23.00	22.44	0.038	0.032	1.14	0.043	/	
			15	QPSK	Level3	50%	50	27560/738	22.00	21.58	0.028	0.060	1.10	0.031	/	
		Front Side	15	QPSK	Level3	1	99	27560/738	23.00	22.44	0.030	0.027	1.14	0.034	/	
			15	QPSK	Level3	50%	50	27560/738	22.00	21.58	0.023	0.099	1.10	0.025	/	
LTE 40	Main (ANT 1)	Back Side	15	QPSK	Level3	1	0	39600/2395	25.00	24.34	0.359	0.042	1.16	0.418	80	
			15	QPSK	Level3	50%	0	39150/2350	24.00	23.28	0.112	-0.077	1.18	0.132	/	



LTE 41	Front Side	15	QPSK	Level3	1	0	39600/2395	25.00	24.34	0.213	0.026	1.16	0.248	/		
		15	QPSK	Level3	50%	0	39150/2350	24.00	23.28	0.197	0.140	1.18	0.233	/		
	DIV (ANT 4)	Back Side	15	QPSK	Level3	1	0	39150/2350	23.50	22.78	0.185	0.025	1.18	0.218	/	
			15	QPSK	Level3	50%	25	39550/2390	22.50	21.85	0.099	0.049	1.16	0.115	/	
		Front Side	15	QPSK	Level3	1	0	39150/2350	23.50	22.78	0.126	0.030	1.18	0.149	/	
			15	QPSK	Level3	50%	25	39550/2390	22.50	21.85	0.082	-0.012	1.16	0.095	/	
	LTE 41	Main (ANT 1)	Back Side	15	QPSK	Level3	1	0	41055/2636.5	26.00	25.69	0.574	-0.065	1.07	0.616	81
				15	QPSK	Level3	50%	25	41055/2636.5	25.00	24.68	0.411	0.028	1.08	0.442	/
Front Side			15	QPSK	Level3	1	0	41055/2636.5	26.00	25.69	0.371	-0.010	1.07	0.398	/	
			15	QPSK	Level3	50%	25	41055/2636.5	25.00	24.68	0.278	0.042	1.08	0.299	/	
Back Side			15	QPSK	Level3	1	99	39750/2506	26.00	25.43	0.326	0.023	1.14	0.372	/	
			1	0	39948/2525.8	/										
DIV (ANT 4)		Back Side	15	QPSK	Level3	1	99	40185/2549.5	24.50	24.09	0.228	0.090	1.10	0.251	/	
			15	QPSK	Level3	50%	0	41055/2636.5	23.50	23.15	0.193	0.017	1.08	0.209	/	
		Front Side	15	QPSK	Level3	1	99	40185/2549.5	24.50	24.09	0.182	0.130	1.10	0.200	/	
			15	QPSK	Level3	50%	0	41055/2636.5	23.50	23.15	0.148	0.060	1.08	0.160	/	
LTE 66		Main (ANT 2)	Back Side	15	QPSK	Level3	1	0	132322/1745	25.00	24.25	0.516	0.190	1.19	0.613	82
				15	QPSK	Level3	50%	25	132072/1720	24.00	23.28	0.367	-0.021	1.18	0.433	/
	Front Side		15	QPSK	Level3	1	0	132322/1745	25.00	24.25	0.291	0.011	1.19	0.346	/	
			15	QPSK	Level3	50%	25	132072/1720	24.00	23.28	0.209	-0.019	1.18	0.247	/	
	DIV (ANT 1)	Back Side	15	QPSK	Level3	1	0	132572/1770	25.00	24.31	0.296	-0.010	1.17	0.347	/	
			15	QPSK	Level3	50%	50	132572/1770	24.00	23.32	0.234	-0.020	1.17	0.274	/	
		Front Side	15	QPSK	Level3	1	0	132572/1770	25.00	24.31	0.243	-0.030	1.17	0.285	/	
			15	QPSK	Level3	50%	50	132572/1770	24.00	23.32	0.187	0.020	1.17	0.219	/	
	Mas (ANT 4)	Back Side	15	QPSK	Level3	1	0	132072/1720	23.50	23.00	0.165	0.048	1.12	0.185	/	
			15	QPSK	Level3	50%	0	132072/1720	22.50	22.00	0.119	0.017	1.12	0.134	/	
		Front Side	15	QPSK	Level3	1	0	132072/1720	23.50	23.00	0.176	0.020	1.12	0.197	/	
			15	QPSK	Level3	50%	0	132072/1720	22.50	22.00	0.137	-0.130	1.12	0.154	/	

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
n2	Main ANT 1	Back Side	15	SA	DFT-s-OFDM QPSK	Level3	1	104	376000/1880	23.00	22.46	0.186	0.016	1.13	0.211	/
			15		DFT-s-OFDM QPSK	Level3	50%	25	376000/1880	23.00	22.48	0.203	0.040	1.13	0.229	83
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	104	376000/1880	23.00	22.46	0.170	0.090	1.13	0.193	/
			15		DFT-s-OFDM QPSK	Level3	50%	25	376000/1880	23.00	22.48	0.143	-0.011	1.13	0.161	/
	Div ANT 4	Back Side	15		DFT-s-OFDM QPSK	Level3	1	104	376000/1880	22.50	21.52	0.162	0.035	1.25	0.203	/
			15		DFT-s-OFDM QPSK	Level3	50%	25	372000/1860	22.50	21.66	0.164	0.010	1.21	0.199	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	104	376000/1880	22.50	21.52	0.143	0.024	1.25	0.179	/
			15		DFT-s-OFDM QPSK	Level3	50%	25	372000/1860	22.50	21.66	0.132	0.019	1.21	0.160	/
n5	Main ANT 0	Back Side	15	SA	DFT-s-OFDM QPSK	Level3	1	1	167800/839	24.00	23.42	0.315	0.024	1.14	0.360	/
			15	NSA	DFT-s-OFDM QPSK	Level3	50%	25	166800/834	24.00	23.25	0.309	0.034	1.19	0.367	84
		Front Side	15	DFT-s-OFDM QPSK	Level3	1	1	167800/839	24.00	23.42	0.221	-0.046	1.14	0.253	/	



	Div ANT 6	Back Side	15	SA	DFT-s-OFDM QPSK	Level3	50%	25	166800/834	24.00	23.25	0.242	0.029	1.19	0.288	/
			15		DFT-s-OFDM QPSK	Level3	1	1	166800/834	22.00	21.46	0.043	0.018	1.13	0.049	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	50%	25	167800/839	22.00	21.60	0.046	0.030	1.10	0.050	/
			15		DFT-s-OFDM QPSK	Level3	1	1	166800/834	22.00	21.46	0.045	0.000	1.13	0.051	/
n7	Main ANT 1	Back Side	15	SA	DFT-s-OFDM QPSK	Level3	1	104	502000/2510	23.00	22.60	0.478	0.035	1.10	0.524	/
			15		DFT-s-OFDM QPSK	Level3	50%	25	507000/2535	23.00	22.49	0.482	-0.082	1.12	0.542	85
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	104	502000/2510	23.00	22.60	0.403	0.100	1.10	0.442	/
			15		DFT-s-OFDM QPSK	Level3	50%	25	507000/2535	23.00	22.49	0.431	0.024	1.12	0.485	/
	Div ANT 4	Back Side	15		DFT-s-OFDM QPSK	Level3	1	1	507000/2535	22.00	21.20	0.181	0.030	1.20	0.218	/
			15		DFT-s-OFDM QPSK	Level3	50%	25	507000/2535	22.00	21.16	0.184	0.020	1.21	0.223	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	507000/2535	22.00	21.20	0.115	0.018	1.20	0.138	/
			15		DFT-s-OFDM QPSK	Level3	50%	25	507000/2535	22.00	21.16	0.117	0.000	1.21	0.142	/
n41	Main ANT 3	Back Side	15	SA& NSA	DFT-s-OFDM QPSK	Level3	1	271	518598/2592.99	20.50	20.09	0.279	-0.099	1.10	0.307	/
			15		DFT-s-OFDM QPSK	Level3	50%	67	528000/2640	20.50	20.23	0.365	0.020	1.06	0.388	86
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	271	518598/2592.99	20.50	20.09	0.131	0.060	1.10	0.144	/
			15		DFT-s-OFDM QPSK	Level3	50%	67	528000/2640	20.50	20.23	0.190	0.011	1.06	0.202	/
	Div ANT 6	Back Side	15	SA	DFT-s-OFDM QPSK	Level3	1	1	518598/2592.99	19.50	19.07	0.161	-0.030	1.10	0.178	/
			15		DFT-s-OFDM QPSK	Level3	50%	67	518598/2592.99	19.50	18.82	0.175	0.029	1.17	0.205	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	518598/2592.99	19.50	19.07	0.071	0.017	1.10	0.078	/
			15		DFT-s-OFDM QPSK	Level3	50%	67	518598/2592.99	19.50	18.82	0.079	0.000	1.17	0.092	/
	Mas ANT 1	Back Side	15	SA	DFT-s-OFDM QPSK	Level3	1	1	509202/2546.01	19.50	19.12	0.156	0.091	1.09	0.170	/
			15		DFT-s-OFDM QPSK	Level3	50%	67	509202/2546.01	19.50	19.02	0.147	0.024	1.12	0.164	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	509202/2546.01	19.50	19.12	0.115	0.022	1.09	0.126	/
			15		DFT-s-OFDM QPSK	Level3	50%	67	509202/2546.01	19.50	19.02	0.119	0.030	1.12	0.133	/
	Tas ANT 4	Back Side	15	SA	DFT-s-OFDM QPSK	Level3	1	1	509202/2546.01	16.50	15.73	0.177	0.015	1.19	0.211	/
			15		DFT-s-OFDM QPSK	Level3	50%	67	518598/2592.99	16.50	15.57	0.176	0.020	1.24	0.218	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	509202/2546.01	16.50	15.73	0.153	-0.160	1.19	0.183	/
			15		DFT-s-OFDM QPSK	Level3	50%	67	518598/2592.99	16.50	15.57	0.131	0.022	1.24	0.162	/
n66	Main ANT 2	Back Side	15	SA& NSA	DFT-s-OFDM QPSK	Level3	1	1	353000/1765	21.50	20.80	0.335	0.080	1.17	0.394	87
			15		DFT-s-OFDM QPSK	Level3	50%	40	353000/1765	21.50	20.84	0.305	-0.050	1.16	0.355	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	353000/1765	21.50	20.80	0.206	0.018	1.17	0.242	/
			15		DFT-s-OFDM QPSK	Level3	50%	40	353000/1765	21.50	20.84	0.195	0.032	1.16	0.227	/
	Div ANT 1	Back Side	15		DFT-s-OFDM QPSK	Level3	1	158	349000/1745	19.00	18.23	0.143	0.060	1.19	0.171	/
			15		DFT-s-OFDM QPSK	Level3	50%	40	349000/1745	19.00	18.30	0.140	0.022	1.17	0.164	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	158	349000/1745	19.00	18.23	0.113	0.000	1.19	0.135	/
			15		DFT-s-OFDM QPSK	Level3	50%	40	349000/1745	19.00	18.30	0.105	0.012	1.17	0.123	/
	Mas ANT 4	Back Side	15		DFT-s-OFDM QPSK	Level3	1	1	349000/1745	19.00	18.40	0.175	-0.080	1.15	0.201	/
			15		DFT-s-OFDM QPSK	Level3	50%	40	345000/1725	19.00	18.41	0.177	0.024	1.15	0.203	/
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	349000/1745	19.00	18.40	0.149	0.106	1.15	0.171	/
			15		DFT-s-OFDM QPSK	Level3	50%	40	345000/1725	19.00	18.41	0.150	0.025	1.15	0.172	/
n77	Main ANT 3	Back Side	15	SA&	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	17.50	16.80	0.295	0.021	1.17	0.347	/
			15	NSA	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	17.50	16.73	0.238	0.011	1.19	0.284	/



n78	Div ANT 7	Back Side	15	SA& NSA	DFT-s-OFDM QPSK	Level3	1	1	650000/3750	17.50	16.81	0.312	0.090	1.17	0.366	88	
			15		DFT-s-OFDM QPSK	Level3	50%	67	656000/3840	17.50	16.57	0.254	0.037	1.24	0.315	/	
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	633332/3500	17.50	16.80	0.049	-0.022	1.17	0.058	/	
			15		DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	17.50	16.73	0.039	0.010	1.19	0.047	/	
	Mas ANT 5	Back Side	15		DFT-s-OFDM QPSK	Level3	1	1	633332/3500	15.50	14.67	0.053	0.080	1.21	0.064	/	
			15		DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	15.50	14.51	0.066	0.019	1.26	0.083	/	
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	633332/3500	15.50	14.67	0.061	0.027	1.21	0.074	/	
			15		DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	15.50	14.51	0.079	0.100	1.26	0.099	/	
	Tas ANT 2	Back Side	15		DFT-s-OFDM QPSK	Level3	1	1	633332/3500	17.00	16.57	0.280	0.033	1.10	0.309	/	
			15		DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	17.00	16.52	0.194	0.026	1.12	0.217	/	
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	633332/3500	17.00	16.57	0.013	0.060	1.10	0.014	/	
			15		DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	17.00	16.52	0.024	-0.014	1.12	0.027	/	
	n78 (MIMO)	Main ANT 3	Back Side		15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	20.00	19.00	0.387	-0.103	1.26	0.487	/
					15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	20.00	18.90	0.433	-0.040	1.29	0.558	89
			Back Side		15	DFT-s-OFDM QPSK	Level3	1	271	650000/3750	20.00	18.53	0.425	0.100	1.40	0.596	/
					15	DFT-s-OFDM QPSK	Level3	50%	67	650000/3750	20.00	18.62	0.402	0.035	1.37	0.552	/
			Front Side		15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	20.00	19.00	0.045	-0.034	1.26	0.056	/
					15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	20.00	18.90	0.046	-0.046	1.29	0.059	/
			Back Side		15	CP-OFDM QPSK	Level3	1	1	633332/3500	19.00	17.20	0.365	-0.092	1.51	0.552	/
					15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	17.50	16.67	0.125	0.030	1.21	0.151	/
Div ANT 7		Back Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	17.50	16.48	0.076	0.016	1.26	0.096	/		
			15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	17.50	16.67	0.107	0.026	1.21	0.130	/		
		Front Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	17.50	16.48	0.120	0.024	1.26	0.152	/		
			15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	20.00	19.09	0.273	0.011	1.23	0.337	/		
Mas ANT 5		Back Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	20.00	18.89	0.324	-0.020	1.29	0.418	/		
			15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	20.00	19.09	0.026	0.032	1.23	0.032	/		
		Front Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	20.00	18.89	0.033	0.140	1.29	0.043	/		
			15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	19.50	18.58	0.194	-0.030	1.24	0.240	/		
Tas ANT 2		Back Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	19.50	18.50	0.229	0.025	1.26	0.288	/		
			15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	19.50	18.58	0.072	0.042	1.24	0.089	/		
		Front Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	19.50	18.50	0.097	0.035	1.26	0.122	/		
			15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	16.50	15.42	0.174	0.060	1.28	0.223	/		
Main ANT 3	Back Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	16.50	15.24	0.213	-0.024	1.34	0.285	/			
		15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	16.50	15.42	0.174	0.060	1.28	0.223	/			



Band	Antenna	Test Position	Dist. (mm)	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
2.4G	ANT 7	Back Side	15	802.11b	98.0%	Level3	6/2437	20.00	19.84	0.172	-0.058	1.06	0.182	/
		Front Side	15	802.11b	98.0%	Level3	6/2437	20.00	19.84	0.096	0.021	1.06	0.102	/
	ANT 9	Back Side	15	802.11b	98.0%	Level3	11/2462	20.00	19.61	0.176	0.060	1.12	0.196	/
		Front Side	15	802.11b	98.0%	Level3	11/2462	20.00	19.61	0.133	0.107	1.12	0.148	/
	MIMO	Back Side	15	802.11b	98.0%	Level3	6/2437	23.51	23.20	0.403	0.012	1.10	0.442	90
		Front Side	15	802.11b	98.0%	Level3	6/2437	23.51	23.20	0.214	0.038	1.10	0.235	/
U-NII-1	ANT 8	Back Side	15	802.11b	100.0%	Level3	36/5180	19.50	18.33	0.257	0.100	1.31	0.336	/
		Front Side	15	802.11b	100.0%	Level3	36/5180	19.50	18.33	0.214	0.036	1.31	0.280	/
	ANT 9	Back Side	15	802.11ac-VHT20	100.0%	Level3	48/5240	19.50	18.31	0.051	0.025	1.32	0.067	/
		Front Side	15	802.11ac-VHT20	100.0%	Level3	48/5240	19.50	18.31	0.046	-0.090	1.32	0.061	/
	MIMO	Back Side	15	802.11ac-VHT20	100.0%	Level3	36/5180	22.51	21.39	0.273	0.022	1.29	0.353	/
		Front Side	15	802.11ac-VHT20	100.0%	Level3	36/5180	22.51	21.39	0.286	-0.030	1.29	0.370	91
U-NII-2A	ANT 8	Back Side	15	802.11a	100.0%	Level3	60/5300	19.50	18.24	0.218	0.032	1.34	0.291	/
		Front Side	15	802.11a	100.0%	Level3	60/5300	19.50	18.24	0.185	0.160	1.34	0.247	/
	ANT 9	Back Side	15	802.11ax HE20	100.0%	Level3	52/5260	19.50	18.37	0.045	0.027	1.30	0.058	/
		Front Side	15	802.11ax HE20	100.0%	Level3	52/5260	19.50	18.37	0.042	0.010	1.30	0.054	/
	MIMO	Back Side	15	802.11a	100.0%	Level3	52/5260	22.51	21.37	0.276	-0.030	1.30	0.359	/
		Front Side	15	802.11a	100.0%	Level3	52/5260	22.51	21.37	0.268	0.000	1.30	0.349	/
U-NII-2C	ANT 8	Back Side	15	802.11ax HE20	100.0%	Level3	116/5580	19.50	18.38	0.153	0.026	1.29	0.198	/
		Front Side	15	802.11ax HE20	100.0%	Level3	116/5580	19.50	18.38	0.091	0.021	1.29	0.118	/
	ANT 9	Back Side	15	802.11a	100.0%	Level3	100/5500	19.50	18.28	0.059	0.080	1.32	0.078	/
		Front Side	15	802.11a	100.0%	Level3	100/5500	19.50	18.28	0.078	0.012	1.32	0.103	/
	MIMO	Back Side	15	802.11a	100.0%	Level3	144/5720	22.51	21.46	0.243	0.070	1.27	0.309	/
		Front Side	15	802.11a	100.0%	Level3	144/5720	22.51	21.46	0.152	0.010	1.27	0.194	/
U-NII-3	ANT 8	Back Side	15	802.11a	100.0%	Level3	165/5825	19.50	18.37	0.266	0.032	1.30	0.345	/
		Front Side	15	802.11a	100.0%	Level3	165/5825	19.50	18.37	0.134	-0.058	1.30	0.174	/
	ANT 9	Back Side	15	802.11a	100.0%	Level3	149/5745	19.50	18.25	0.057	0.024	1.33	0.076	/
		Front Side	15	802.11a	100.0%	Level3	149/5745	19.50	18.25	0.052	-0.010	1.33	0.069	/
	MIMO	Back Side	15	802.11a	100.0%	Level3	165/5825	22.51	21.29	0.276	0.038	1.32	0.365	/
		Front Side	15	802.11a	100.0%	Level3	165/5825	22.51	21.29	0.197	0.023	1.32	0.261	/



Hotspot SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
GSM850	Main (ANT 0)	Back Side	10	4TX Slots	Level5	-	-	190/836.6	28.50	27.61	0.424	0.074	1.23	0.520	92
		Front Side	10	4TX Slots	Level5	-	-	190/836.6	28.50	27.61	0.251	0.009	1.23	0.308	/
		Left Edge	10	4TX Slots	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Right Edge	10	4TX Slots	Level5	-	-	190/836.6	28.50	27.61	0.291	-0.020	1.23	0.357	/
		Top Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	4TX Slots	Level5	-	-	190/836.6	28.50	27.61	0.383	0.002	1.23	0.470	/
	DIV (ANT 6)	Back Side	10	4TX Slots	Level5	-	-	190/836.6	27.00	25.75	0.023	-0.010	1.33	0.031	/
		Front Side	10	4TX Slots	Level5	-	-	190/836.6	27.00	25.75	0.026	0.020	1.33	0.035	/
		Left Edge	10	4TX Slots	Level5	-	-	190/836.6	27.00	25.75	0.006	-0.011	1.33	0.008	/
		Right Edge	10	4TX Slots	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	4TX Slots	Level5	-	-	190/836.6	27.00	25.75	0.016	0.007	1.33	0.021	/
		Bottom Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
GSM1900	Main (ANT 1)	Back Side	10	4TX Slots	Level5	-	-	661/1880	25.00	24.12	0.389	-0.020	1.22	0.476	/
		Front Side	10	4TX Slots	Level5	-	-	661/1880	25.00	24.12	0.352	0.010	1.22	0.431	/
		Left Edge	10	4TX Slots	Level5	-	-	661/1880	25.00	24.12	0.095	-0.011	1.22	0.116	/
		Right Edge	10	4TX Slots	Level5	-	-	661/1880	25.00	24.12	0.065	0.009	1.22	0.080	/
		Top Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	4TX Slots	Level5	-	-	661/1880	25.00	24.12	0.529	-0.160	1.22	0.648	93
	DIV (ANT 4)	Back Side	10	4TX Slots	Level5	-	-	661/1880	24.00	22.85	0.214	0.009	1.30	0.279	/
		Front Side	10	4TX Slots	Level5	-	-	661/1880	24.00	22.85	0.132	0.010	1.30	0.172	/
		Left Edge	10	4TX Slots	Level5	-	-	661/1880	24.00	22.85	0.123	-0.013	1.30	0.160	/
		Right Edge	10	4TX Slots	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	4TX Slots	Level5	-	-	661/1880	24.00	22.85	0.101	-0.010	1.30	0.132	/
		Bottom Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
WCDMA II	Main (ANT 1)	Back Side	10	RMC	Level5	-	-	9400/1880	22.00	21.01	0.230	0.038	1.26	0.289	/
		Front Side	10	RMC	Level5	-	-	9400/1880	22.00	21.01	0.214	0.022	1.26	0.269	/
		Left Edge	10	RMC	Level5	-	-	9400/1880	22.00	21.01	0.088	0.060	1.26	0.111	/
		Right Edge	10	RMC	Level5	-	-	9400/1880	22.00	21.01	0.000	0.000	1.26	0.000	/
		Top Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	RMC	Level5	-	-	9400/1880	22.00	21.01	0.588	0.012	1.26	0.739	94
	DIV (ANT 4)	Back Side	10	RMC	Level5	-	-	9400/1880	23.50	22.63	0.539	0.010	1.22	0.659	/
		Front Side	10	RMC	Level5	-	-	9400/1880	23.50	22.63	0.251	-0.040	1.22	0.307	/
		Left Edge	10	RMC	Level5	-	-	9400/1880	23.50	22.63	0.324	0.010	1.22	0.396	/
		Right Edge	10	RMC	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	RMC	Level5	-	-	9400/1880	23.50	22.63	0.262	0.020	1.22	0.320	/
		Bottom Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
WCDMA IV	Main (ANT 1)	Back Side	10	RMC	Level5	-	-	1413/1732.6	21.00	20.09	0.378	0.035	1.23	0.466	/
		Front Side	10	RMC	Level5	-	-	1413/1732.6	21.00	20.09	0.283	0.017	1.23	0.349	/
		Left Edge	10	RMC	Level5	-	-	1413/1732.6	21.00	20.09	0.103	0.010	1.23	0.127	/



WCDMA V	DIV (ANT 4)	Right Edge	10	RMC	Level5	-	-	1413/1732.6	21.00	20.09	0.051	0.100	1.23	0.063	/
		Top Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	RMC	Level5	-	-	1413/1732.6	21.00	20.09	0.646	-0.050	1.23	0.797	95
		Back Side	10	RMC	Level5	-	-	1413/1732.6	23.50	22.69	0.580	0.030	1.21	0.699	/
		Front Side	10	RMC	Level5	-	-	1413/1732.6	23.50	22.69	0.418	-0.060	1.21	0.504	/
		Left Edge	10	RMC	Level5	-	-	1413/1732.6	23.50	22.69	0.547	-0.020	1.21	0.659	/
		Right Edge	10	RMC	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	RMC	Level5	-	-	1413/1732.6	23.50	22.69	0.239	0.040	1.21	0.288	/
	Bottom Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Main (ANT 0)	Back Side	10	RMC	Level5	-	-	4183/836.6	25.00	24.05	0.507	0.098	1.24	0.631	96
		Front Side	10	RMC	Level5	-	-	4183/836.6	25.00	24.05	0.406	0.010	1.24	0.505	/
		Left Edge	10	RMC	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Right Edge	10	RMC	Level5	-	-	4183/836.6	25.00	24.05	0.118	-0.010	1.24	0.147	/
		Top Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
Bottom Edge		10	RMC	Level5	-	-	4183/836.6	25.00	24.05	0.395	-0.020	1.24	0.492	/	
DIV (ANT 6)		Back Side	10	RMC	Level5	-	-	4183/836.6	23.00	22.25	0.027	0.060	1.19	0.032	/
		Front Side	10	RMC	Level5	-	-	4183/836.6	23.00	22.25	0.018	-0.040	1.19	0.021	/
		Left Edge	10	RMC	Level5	-	-	4183/836.6	23.00	22.25	0.008	-0.120	1.19	0.010	/
		Right Edge	10	RMC	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	RMC	Level5	-	-	4183/836.6	23.00	22.25	0.015	-0.021	1.19	0.018	/
		Bottom Edge	10	N/A	Level5	-	-	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE 2	Main (ANT 1)	Back Side	10	QPSK	Level5	1	0	18700/1860	22.00	21.10	0.452	0.150	1.23	0.556	/
			10	QPSK	Level5	50%	0	18700/1860	21.00	20.27	0.402	0.036	1.18	0.476	/
		Front Side	10	QPSK	Level5	1	0	18700/1860	22.00	21.10	0.361	0.021	1.23	0.444	/
			10	QPSK	Level5	50%	0	18700/1860	21.00	20.27	0.322	0.041	1.18	0.381	/
		Left Edge	10	QPSK	Level5	1	0	18700/1860	22.00	21.10	0.128	0.068	1.23	0.157	/
			10	QPSK	Level5	50%	0	18700/1860	21.00	20.27	0.098	-0.050	1.18	0.116	/
		Right Edge	10	QPSK	Level5	1	0	18700/1860	22.00	21.10	0.094	0.016	1.23	0.116	/
			10	QPSK	Level5	50%	0	18700/1860	21.00	20.27	0.089	0.012	1.18	0.105	/
		Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10	QPSK	Level5	1	0	18700/1860	22.00	21.10	0.623	0.096	1.23	0.766	97
			10	QPSK	Level5	50%	0	18700/1860	21.00	20.27	0.589	0.011	1.18	0.697	/
	DIV (ANT 4)	Back Side	10	QPSK	Level5	1	0	18700/1860	23.50	22.97	0.566	-0.060	1.13	0.639	/
			10	QPSK	Level5	50%	25	18700/1860	22.50	22.03	0.487	0.015	1.11	0.543	/
		Front Side	10	QPSK	Level5	1	0	18700/1860	23.50	22.97	0.274	0.028	1.13	0.310	/
			10	QPSK	Level5	50%	25	18700/1860	22.50	22.03	0.221	0.000	1.11	0.246	/
		Left Edge	10	QPSK	Level5	1	0	18700/1860	23.50	22.97	0.261	0.100	1.13	0.295	/
			10	QPSK	Level5	50%	25	18700/1860	22.50	22.03	0.222	0.060	1.11	0.247	/
Right Edge		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Top Edge		10	QPSK	Level5	1	0	18700/1860	23.50	22.97	0.158	-0.025	1.13	0.179	/	
		10	QPSK	Level5	50%	25	18700/1860	22.50	22.03	0.145	0.018	1.11	0.162	/	



		Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
LTE 4	Main (ANT 1)	Back Side	10	QPSK	Level5	1	50	20300/1745	21.00	20.04	0.408	0.049	1.25	0.509	/
			10	QPSK	Level5	50%	0	20050/1720	20.00	19.04	0.312	0.010	1.25	0.389	/
		Front Side	10	QPSK	Level5	1	50	20300/1745	21.00	20.04	0.296	0.000	1.25	0.369	/
			10	QPSK	Level5	50%	0	20050/1720	20.00	19.04	0.235	0.032	1.25	0.293	/
		Left Edge	10	QPSK	Level5	1	50	20300/1745	21.00	20.04	0.048	-0.020	1.25	0.060	/
			10	QPSK	Level5	50%	0	20050/1720	20.00	19.04	0.039	0.090	1.25	0.049	/
		Right Edge	10	QPSK	Level5	1	50	20300/1745	21.00	20.04	0.065	0.021	1.25	0.081	/
			10	QPSK	Level5	50%	0	20050/1720	20.00	19.04	0.052	0.013	1.25	0.065	/
		Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
	Bottom Edge	10	QPSK	Level5	1	50	20300/1745	21.00	20.04	0.624	-0.080	1.25	0.778	98	
		10	QPSK	Level5	50%	0	20050/1720	20.00	19.04	0.492	0.050	1.25	0.614	/	
	DIV (ANT 4)	Back Side	10	QPSK	Level5	1	0	20175/1732.5	23.50	23.05	0.615	-0.020	1.11	0.682	/
			10	QPSK	Level5	50%	25	20050/1720	22.50	22.06	0.452	-0.058	1.11	0.500	/
		Front Side	10	QPSK	Level5	1	0	20175/1732.5	23.50	23.05	0.546	0.028	1.11	0.606	/
			10	QPSK	Level5	50%	25	20050/1720	22.50	22.06	0.458	-0.044	1.11	0.507	/
		Left Edge	10	QPSK	Level5	1	0	20175/1732.5	23.50	23.05	0.602	0.090	1.11	0.668	/
			10	QPSK	Level5	50%	25	20050/1720	22.50	22.06	0.468	0.073	1.11	0.518	/
		Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
Top Edge		10	QPSK	Level5	1	0	20175/1732.5	23.50	23.05	0.349	0.023	1.11	0.387	/	
		10	QPSK	Level5	50%	25	20050/1720	22.50	22.06	0.297	0.080	1.11	0.329	/	
Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
LTE 5	Main (ANT 0)	Back Side	10	QPSK	Level5	1	0	20450/829	25.00	24.14	0.416	0.021	1.22	0.507	99
			10	QPSK	Level5	50%	25	20525/836.5	24.00	23.25	0.364	0.030	1.19	0.433	/
		Front Side	10	QPSK	Level5	1	0	20450/829	25.00	24.14	0.183	0.000	1.22	0.223	/
			10	QPSK	Level5	50%	25	20525/836.5	24.00	23.25	0.173	0.018	1.19	0.206	/
		Left Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Right Edge	10	QPSK	Level5	1	0	20450/829	25.00	24.14	0.342	0.025	1.22	0.417	/
			10	QPSK	Level5	50%	25	20525/836.5	24.00	23.25	0.269	-0.040	1.19	0.320	/
	Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Bottom Edge	10	QPSK	Level5	1	0	20450/829	25.00	24.14	0.367	0.032	1.22	0.447	/	
		10	QPSK	Level5	50%	25	20525/836.5	24.00	23.25	0.302	0.047	1.19	0.359	/	
	DIV (ANT 6)	Back Side	10	QPSK	Level5	1	49	20450/829	23.00	22.30	0.087	0.032	1.17	0.102	/
			10	QPSK	Level5	50%	13	20525/836.5	22.00	21.37	0.073	0.011	1.16	0.084	/
Front Side		10	QPSK	Level5	1	49	20450/829	23.00	22.30	0.096	0.050	1.17	0.113	/	
		10	QPSK	Level5	50%	13	20525/836.5	22.00	21.37	0.081	-0.071	1.16	0.094	/	
Left Edge	10	QPSK	Level5	1	49	20450/829	23.00	22.30	0.011	0.000	1.17	0.013	/		



		Right Edge	10	QPSK	Level5	50%	13	20525/836.5	22.00	21.37	0.009	0.000	1.16	0.010	/		
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Top Edge	10	QPSK	Level5	1	49	20450/829	23.00	22.30	0.107	0.023	1.17	0.126	/		
			10	QPSK	Level5	50%	13	20525/836.5	22.00	21.37	0.098	0.025	1.16	0.113	/		
		Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		LTE 7	Main (ANT 1)	Back Side	10	QPSK	Level5	1	0	21350/2560	20.00	19.27	0.452	-0.010	1.18	0.535	/
					10	QPSK	Level5	50%	50	21350/2560	19.00	18.43	0.389	0.028	1.14	0.444	/
				Front Side	10	QPSK	Level5	1	0	21350/2560	20.00	19.27	0.312	0.000	1.18	0.369	/
					10	QPSK	Level5	50%	50	21350/2560	19.00	18.43	0.265	0.067	1.14	0.302	/
				Left Edge	10	QPSK	Level5	1	0	21350/2560	20.00	19.27	0.103	0.015	1.18	0.122	/
					10	QPSK	Level5	50%	50	21350/2560	19.00	18.43	0.068	0.021	1.14	0.078	/
Right Edge	10			QPSK	Level5	1	0	21350/2560	20.00	19.27	0.000	0.000	1.18	0.000	/		
	10			QPSK	Level5	50%	50	21350/2560	19.00	18.43	0.000	0.000	1.14	0.000	/		
Top Edge	10			N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	10			N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
Bottom Edge	10			QPSK	Level5	1	0	21350/2560	20.00	19.27	0.675	0.038	1.18	0.799	100		
	10			QPSK	Level5	50%	50	21350/2560	19.00	18.43	0.603	0.050	1.14	0.688	/		
DIV (ANT 4)	Back Side		10	QPSK	Level5	1	50	21350/2560	24.00	23.02	0.495	0.090	1.25	0.620	/		
			10	QPSK	Level5	50%	25	21350/2560	23.00	22.17	0.369	0.038	1.21	0.447	/		
	Front Side		10	QPSK	Level5	1	50	21350/2560	24.00	23.02	0.342	0.011	1.25	0.429	/		
			10	QPSK	Level5	50%	25	21350/2560	23.00	22.17	0.292	0.026	1.21	0.353	/		
	Left Edge		10	QPSK	Level5	1	50	21350/2560	24.00	23.02	0.348	-0.100	1.25	0.436	/		
			10	QPSK	Level5	50%	25	21350/2560	23.00	22.17	0.256	0.025	1.21	0.310	/		
	Right Edge		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	Top Edge		10	QPSK	Level5	1	50	21350/2560	24.00	23.02	0.382	0.036	1.25	0.479	/		
			10	QPSK	Level5	50%	25	21350/2560	23.00	22.17	0.369	0.080	1.21	0.447	/		
	Bottom Edge		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
Main (ANT 1)	Back Side	10	QPSK	Level5	1	99	20850/2510	20.00	19.12	0.493	0.027	1.22	0.604	/			
		10	QPSK	Level5	1	0	21048/2529.8							/			
LTE 12	Main (ANT 0)	Back Side	10	QPSK	Level5	1	49	23095/707.5	25.00	24.24	0.206	0.018	1.19	0.245	101		
			10	QPSK	Level5	50%	25	23130/711	24.00	23.32	0.153	0.030	1.17	0.179	/		
		Front Side	10	QPSK	Level5	1	49	23095/707.5	25.00	24.24	0.092	0.016	1.19	0.110	/		
			10	QPSK	Level5	50%	25	23130/711	24.00	23.32	0.069	-0.080	1.17	0.081	/		
		Left Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		Right Edge	10	QPSK	Level5	1	49	23095/707.5	25.00	24.24	0.142	0.015	1.19	0.169	/		
			10	QPSK	Level5	50%	25	23130/711	24.00	23.32	0.117	0.040	1.17	0.137	/		
		Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		



	Bottom Edge	10	QPSK	Level5	1	49	23095/707.5	25.00	24.24	0.125	0.022	1.19	0.149	/	
		10	QPSK	Level5	50%	25	23130/711	24.00	23.32	0.123	0.016	1.17	0.144	/	
	DIV (ANT 6)	Back Side	10	QPSK	Level5	1	0	23060/704	23.00	22.36	0.081	-0.030	1.16	0.094	/
			10	QPSK	Level5	50%	13	23060/704	22.00	21.32	0.050	0.014	1.17	0.058	/
		Front Side	10	QPSK	Level5	1	0	23060/704	23.00	22.36	0.092	0.000	1.16	0.107	/
			10	QPSK	Level5	50%	13	23060/704	22.00	21.32	0.055	0.024	1.17	0.064	/
		Left Edge	10	QPSK	Level5	1	0	23060/704	23.00	22.36	0.055	0.018	1.16	0.064	/
			10	QPSK	Level5	50%	13	23060/704	22.00	21.32	0.049	-0.065	1.17	0.057	/
		Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	QPSK	Level5	1	0	23060/704	23.00	22.36	0.152	0.100	1.16	0.176	/
			10	QPSK	Level5	50%	13	23060/704	22.00	21.32	0.083	0.027	1.17	0.097	/
	Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	LTE 28A	Back Side	10	QPSK	Level5	1	99	27310/713	25.00	24.60	0.313	0.036	1.10	0.343	102
			10	QPSK	Level5	50%	50	27310/713	24.00	23.80	0.241	-0.026	1.05	0.252	/
		Front Side	10	QPSK	Level5	1	99	27310/713	25.00	24.60	0.232	0.025	1.10	0.254	/
			10	QPSK	Level5	50%	50	27310/713	24.00	23.80	0.203	0.049	1.05	0.213	/
		Left Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
Right Edge		10	QPSK	Level5	1	99	27310/713	25.00	24.60	0.249	0.057	1.10	0.273	/	
		10	QPSK	Level5	50%	50	27310/713	24.00	23.80	0.172	-0.049	1.05	0.180	/	
Top Edge		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Bottom Edge		10	QPSK	Level5	1	99	27310/713	25.00	24.60	0.258	0.013	1.10	0.283	/	
		10	QPSK	Level5	50%	50	27310/713	24.00	23.80	0.195	0.127	1.05	0.204	/	
DIV (ANT 6)		Back Side	10	QPSK	Level5	1	50	27410/723	23.00	22.55	0.052	0.028	1.11	0.058	/
			10	QPSK	Level5	50%	50	27360/718	22.00	21.68	0.049	-0.068	1.08	0.053	/
		Front Side	10	QPSK	Level5	1	50	27410/723	23.00	22.55	0.054	0.057	1.11	0.060	/
			10	QPSK	Level5	50%	50	27360/718	22.00	21.68	0.050	0.018	1.08	0.054	/
		Left Edge	10	QPSK	Level5	1	50	27410/723	23.00	22.55	0.015	0.105	1.11	0.017	/
			10	QPSK	Level5	50%	50	27360/718	22.00	21.68	0.014	0.019	1.08	0.015	/
		Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
	Top Edge	10	QPSK	Level5	1	50	27410/723	23.00	22.55	0.043	0.060	1.11	0.048	/	
		10	QPSK	Level5	50%	50	27360/718	22.00	21.68	0.036	0.035	1.08	0.039	/	
Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
LTE 28B	Main (ANT 0)	Back Side	10	QPSK	Level5	1	99	27460/728	25.00	24.43	0.317	-0.026	1.14	0.361	103
			10	QPSK	Level5	50%	50	27460/728	24.00	23.51	0.218	0.062	1.12	0.244	/
		Front Side	10	QPSK	Level5	1	99	27460/728	25.00	24.43	0.224	0.090	1.14	0.255	/
			10	QPSK	Level5	50%	50	27460/728	24.00	23.51	0.167	0.016	1.12	0.187	/
		Left Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/



LTE 40	DIV (ANT 6)	Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
			10	QPSK	Level5	1	99	27460/728	25.00	24.43	0.184	-0.013	1.14	0.210	/	
		Top Edge	10	QPSK	Level5	50%	50	27460/728	24.00	23.51	0.131	-0.080	1.12	0.147	/	
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
			10	QPSK	Level5	1	99	27460/728	25.00	24.43	0.201	0.070	1.14	0.229	/	
		Main (ANT 1)	Back Side	10	QPSK	Level5	1	99	27460/728	25.00	24.43	0.143	0.024	1.12	0.160	/
				10	QPSK	Level5	50%	50	27460/728	24.00	23.51	0.143	0.024	1.12	0.160	/
			Front Side	10	QPSK	Level5	1	99	27560/738	23.00	22.44	0.053	-0.036	1.14	0.060	/
				10	QPSK	Level5	50%	50	27560/738	22.00	21.58	0.048	0.019	1.10	0.053	/
			Left Edge	10	QPSK	Level5	1	99	27560/738	23.00	22.44	0.074	0.000	1.14	0.084	/
				10	QPSK	Level5	50%	50	27560/738	22.00	21.58	0.055	0.012	1.10	0.061	/
	Right Edge		10	QPSK	Level5	1	99	27560/738	23.00	22.44	0.019	-0.058	1.14	0.022	/	
			10	QPSK	Level5	50%	50	27560/738	22.00	21.58	0.018	0.030	1.10	0.020	/	
	Top Edge		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Bottom Edge		10	QPSK	Level5	1	99	27560/738	23.00	22.44	0.050	-0.070	1.14	0.057	/	
			10	QPSK	Level5	50%	50	27560/738	22.00	21.58	0.048	0.061	1.10	0.053	/	
	DIV (ANT 4)	Back Side	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		Main (ANT 1)	Back Side	10	QPSK	Level5	1	25	39150/2350	23.00	22.03	0.592	0.016	1.25	0.740	/
				10	QPSK	Level5	50%	0	39150/2350	22.00	21.07	0.461	0.037	1.24	0.571	/
		Front Side	10	QPSK	Level5	1	25	39150/2350	23.00	22.03	0.412	0.028	1.25	0.515	/	
			10	QPSK	Level5	50%	0	39150/2350	22.00	21.07	0.327	-0.050	1.24	0.405	/	
		Left Edge	10	QPSK	Level5	1	25	39150/2350	23.00	22.03	0.041	0.017	1.25	0.051	/	
			10	QPSK	Level5	50%	0	39150/2350	22.00	21.07	0.023	0.012	1.24	0.028	/	
		Right Edge	10	QPSK	Level5	1	25	39150/2350	23.00	22.03	0.000	0.000	1.25	0.000	/	
			10	QPSK	Level5	50%	0	39150/2350	22.00	21.07	0.000	0.000	1.24	0.000	/	
Top Edge		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
Bottom Edge	10	N/A	Level5	1	25	39150/2350	23.00	22.03	0.786	0.096	1.25	0.983	/			
	10	N/A	Level5	1	0	38700/2305	23.00	22.00	0.795	0.018	1.26	1.001	104			
	10	N/A	Level5	1	49	39600/2395	23.00	22.01	0.748	0.100	1.26	0.940	/			
	10	N/A	Level5	50%	0	39150/2350	22.00	21.07	0.703	0.016	1.24	0.871	/			
	10	N/A	Level5	50%	13	38700/2305	22.00	21.01	0.745	-0.030	1.26	0.936	/			
	10	N/A	Level5	50%	0	39600/2395	22.00	21.05	0.718	-0.050	1.24	0.894	/			
DIV (ANT 4)	Back Side	10	N/A	Level5	100%	0	39150/2350	22.00	21.26	0.668	0.012	1.19	0.792	/		
		10	QPSK	Level5	1	0	39150/2350	23.50	22.78	0.378	0.025	1.18	0.446	/		
	Front Side	10	QPSK	Level5	50%	25	39600/2395	23.50	21.85	0.214	0.020	1.46	0.313	/		
		10	QPSK	Level5	1	0	39150/2350	23.50	22.78	0.273	-0.010	1.18	0.322	/		
	Left Edge	10	QPSK	Level5	50%	25	39600/2395	23.50	21.85	0.223	0.038	1.46	0.326	/		
		10	QPSK	Level5	1	0	39150/2350	23.50	22.78	0.112	0.010	1.18	0.132	/		
Right Edge	10	QPSK	Level5	50%	25	39600/2395	23.50	21.85	0.095	0.060	1.46	0.139	/			
Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			



		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	Top Edge	10	QPSK	Level5	1	0	39150/2350	23.50	22.78	0.298	-0.078	1.18	0.352	/	
		10	QPSK	Level5	50%	25	39600/2395	23.50	21.85	0.162	0.032	1.46	0.237	/	
	Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
LTE 41	Back Side	10	QPSK	Level5	1	0	39750/2506	23.50	21.84	0.427	0.012	1.47	0.626	/	
		10	QPSK	Level5	50%	0	41055/2636.5	22.50	20.94	0.365	0.044	1.43	0.523	/	
	Front Side	10	QPSK	Level5	1	0	39750/2506	23.50	21.84	0.321	-0.010	1.47	0.470	/	
		10	QPSK	Level5	50%	0	41055/2636.5	22.50	20.94	0.254	0.079	1.43	0.364	/	
	Left Edge	10	QPSK	Level5	1	0	39750/2506	23.50	21.84	0.053	0.053	1.47	0.078	/	
		10	QPSK	Level5	50%	0	41055/2636.5	22.50	20.94	0.036	0.080	1.43	0.052	/	
	Right Edge	10	QPSK	Level5	1	0	39750/2506	23.50	21.84	0.000	0.000	1.47	0.000	/	
		10	QPSK	Level5	50%	0	41055/2636.5	22.50	20.94	0.000	0.000	1.43	0.000	/	
	Top Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Bottom Edge	10	N/A	Level5	1	0	39750/2506	23.50	21.84	0.684	0.085	1.47	1.002	/	
		10	N/A	Level5	1	99	40620/2593	23.50	21.83	0.672	0.110	1.47	0.987	/	
		10	N/A	Level5	1	0	41055/2636.5	23.50	21.80	0.663	0.024	1.48	0.981	/	
		10	N/A	Level5	50%	0	41055/2636.5	22.50	20.94	0.699	0.094	1.43	1.001	105	
		10	N/A	Level5	50%	50	40185/2549.5	22.50	20.90	0.675	-0.060	1.45	0.976	/	
		10	N/A	Level5	50%	50	40620/2593	22.50	20.91	0.687	0.034	1.44	0.991	/	
	Bottom Edge	10	QPSK	Level5	1	99	39750/2506	23.50	21.73	0.574	0.000	1.50	0.863	/	
		1			0	39948/2525.8	/								
	LTE 41	Back Side	10	QPSK	Level5	1	99	40185/2549.5	24.50	24.09	0.467	0.021	1.10	0.513	/
			10	QPSK	Level5	50%	0	41055/2636.5	23.50	23.15	0.372	0.019	1.08	0.403	/
Front Side		10	QPSK	Level5	1	99	40185/2549.5	24.50	24.09	0.332	-0.033	1.10	0.365	/	
		10	QPSK	Level5	50%	0	41055/2636.5	23.50	23.15	0.264	0.080	1.08	0.286	/	
Left Edge		10	QPSK	Level5	1	99	40185/2549.5	24.50	24.09	0.135	0.010	1.10	0.148	/	
		10	QPSK	Level5	50%	0	41055/2636.5	23.50	23.15	0.096	0.050	1.08	0.104	/	
Right Edge		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Top Edge		10	QPSK	Level5	1	99	40185/2549.5	24.50	24.09	0.489	0.038	1.10	0.537	/	
		10	QPSK	Level5	50%	0	41055/2636.5	23.50	23.15	0.402	-0.014	1.08	0.436	/	
Bottom Edge		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
LTE 66	Back Side	10	QPSK	Level5	1	0	132072/1720	22.00	21.48	0.503	0.012	1.13	0.567	/	
		10	QPSK	Level5	50%	25	132572/1770	21.00	20.67	0.416	0.064	1.08	0.449	/	
	Front Side	10	QPSK	Level5	1	0	132072/1720	22.00	21.48	0.195	0.022	1.13	0.220	/	
		10	QPSK	Level5	50%	25	132572/1770	21.00	20.67	0.152	0.074	1.08	0.164	/	
	Left Edge	10	QPSK	Level5	1	0	132072/1720	22.00	21.48	0.723	-0.010	1.13	0.815	106	
		10	QPSK	Level5	1	0	132322/1745	22.00	21.41	0.705	-0.090	1.15	0.808	/	
		10	QPSK	Level5	1	0	132572/1770	22.00	21.33	0.674	0.010	1.17	0.786	/	



DIV (ANT 1)	10	QPSK	Level5	50%	25	132572/1770	21.00	20.67	0.538	0.025	1.08	0.580	/		
		QPSK	Level5	100%	0	132572/1770	21.00	20.69	0.642	0.070	1.07	0.690	/		
	Right Edge	10	QPSK	Level5	1	0	132072/1720	22.00	21.48	0.000	0.000	1.13	0.000	/	
		10	QPSK	Level5	50%	25	132572/1770	21.00	20.67	0.000	0.000	1.08	0.000	/	
	Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Bottom Edge	10	QPSK	Level5	1	0	132072/1720	22.00	21.48	0.019	0.120	1.13	0.021	/	
		10	QPSK	Level5	50%	25	132572/1770	21.00	20.67	0.014	0.060	1.08	0.015	/	
	Mas (ANT 4)	Back Side	10	QPSK	Level5	1	0	132072/1720	23.50	23.00	0.325	0.032	1.12	0.365	/
			10	QPSK	Level5	50%	0	132072/1720	22.50	22.00	0.275	0.100	1.12	0.309	/
		Front Side	10	QPSK	Level5	1	0	132072/1720	23.50	23.00	0.303	0.150	1.12	0.340	/
			10	QPSK	Level5	50%	0	132072/1720	22.50	22.00	0.260	-0.090	1.12	0.292	/
		Left Edge	10	QPSK	Level5	1	0	132072/1720	23.50	23.00	0.424	0.100	1.12	0.476	/
			10	QPSK	Level5	50%	0	132072/1720	22.50	22.00	0.322	0.023	1.12	0.361	/
		Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10	QPSK	Level5	1	0	132072/1720	23.50	23.00	0.315	0.050	1.12	0.353	/
			10	QPSK	Level5	50%	0	132072/1720	22.50	22.00	0.270	0.011	1.12	0.303	/
		Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
n2	Main ANT 1	Back Side	10	SA	DFT-s-OFDM QPSK	Level5	1	104	376000/1880	23.00	22.46	0.646	0.070	1.13	0.732	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	376000/1880	23.00	22.48	0.623	0.015	1.13	0.702	/
		Front Side	10		DFT-s-OFDM QPSK	Level5	1	104	376000/1880	23.00	22.46	0.455	0.080	1.13	0.515	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	376000/1880	23.00	22.48	0.416	0.032	1.13	0.469	/
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	104	376000/1880	23.00	22.46	0.402	-0.100	1.13	0.455	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	376000/1880	23.00	22.48	0.385	-0.016	1.13	0.434	/
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	104	376000/1880	23.00	22.46	0.000	0.000	1.13	0.000	/



n5	Div ANT 4	Top Edge	10	SA&N SA	DFT-s-OFDM QPSK	Level5	50%	25	376000/1880	23.00	22.48	0.000	0.000	1.13	0.000	/
			10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Level5	1	104	376000/1880	23.00	22.46	0.848	0.100	1.13	0.960	107
			10		DFT-s-OFDM QPSK	Level5	1	1	372000/1860	23.00	22.42	0.821	0.032	1.14	0.938	/
			10		DFT-s-OFDM QPSK	Level5	1	1	380000/1900	23.00	22.42	0.839	0.019	1.14	0.959	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	376000/1880	23.00	22.48	0.765	0.011	1.13	0.862	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	372000/1860	23.00	22.46	0.792	0.043	1.13	0.897	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	380000/1900	23.00	22.12	0.737	0.015	1.22	0.903	/
			10		DFT-s-OFDM QPSK	Level5	100%	0	372000/1860	23.00	22.48	0.685	-0.020	1.13	0.772	/
	Bottom Edge repeat	10	DFT-s-OFDM QPSK		Level5	1	104	376000/1880	23.00	22.46	0.839	0.028	1.13	0.950	/	
	Div ANT 4	Back Side	10		DFT-s-OFDM QPSK	Level5	1	104	376000/1880	22.50	21.52	0.381	0.180	1.25	0.477	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	372000/1860	22.50	21.66	0.349	0.019	1.21	0.423	/
		Front Side	10		DFT-s-OFDM QPSK	Level5	1	104	376000/1880	22.50	21.52	0.345	-0.011	1.25	0.432	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	372000/1860	22.50	21.66	0.326	0.038	1.21	0.396	/
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	104	376000/1880	22.50	21.52	0.304	0.014	1.25	0.381	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	372000/1860	22.50	21.66	0.301	0.040	1.21	0.365	/
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10		DFT-s-OFDM QPSK	Level5	1	104	376000/1880	22.50	21.52	0.312	0.056	1.25	0.391	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	372000/1860	22.50	21.66	0.346	0.029	1.21	0.420	/
	Bottom Edge	10	DFT-s-OFDM QPSK		Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK		Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Main ANT 0	Back Side	10		DFT-s-OFDM QPSK	Level5	1	1	167800/839	24.00	23.42	0.518	0.013	1.14	0.592	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	166800/834	24.00	23.25	0.524	0.110	1.19	0.623	108
		Front Side	10		DFT-s-OFDM QPSK	Level5	1	1	167800/839	24.00	23.42	0.336	0.022	1.14	0.384	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	166800/834	24.00	23.25	0.345	-0.056	1.19	0.410	/
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	1	167800/839	24.00	23.42	0.332	0.028	1.14	0.379	/
10			DFT-s-OFDM QPSK	Level5	50%	25	166800/834	24.00	23.25	0.327	-0.060	1.19	0.389	/		
Top Edge		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
Bottom Edge		10	DFT-s-OFDM QPSK	Level5	1	1	167800/839	24.00	23.42	0.322	-0.025	1.14	0.368	/		
		10	DFT-s-OFDM QPSK	Level5	50%	25	166800/834	24.00	23.25	0.326	0.047	1.19	0.387	/		
Div ANT 6		Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	166800/834	22.00	21.46	0.073	0.016	1.13	0.083	/	
			10	DFT-s-OFDM QPSK	Level5	50%	25	167800/839	22.00	21.60	0.085	0.022	1.10	0.093	/	
	Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	166800/834	22.00	21.46	0.091	0.090	1.13	0.103	/		
		10	DFT-s-OFDM QPSK	Level5	50%	25	167800/839	22.00	21.60	0.103	-0.014	1.10	0.113	/		
	Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	166800/834	22.00	21.46	0.000	0.000	1.13	0.000	/		
		10	DFT-s-OFDM QPSK	Level5	50%	25	167800/839	22.00	21.60	0.000	0.000	1.10	0.000	/		
	Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		



		10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
				DFT-s-OFDM QPSK	Level5	1	1	166800/834	22.00	21.46	0.101	0.030	1.13	0.114	/	
	Top Edge	10		DFT-s-OFDM QPSK	Level5	50%	25	167800/839	22.00	21.60	0.105	0.048	1.10	0.115	/	
		10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	Bottom Edge	10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
n7	Main ANT 1	Back Side		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	21.00	20.32	0.576	0.034	1.17	0.674	/	
				DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	21.00	20.29	0.559	-0.060	1.18	0.658	/	
		Front Side	10		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	21.00	20.32	0.422	0.024	1.17	0.494	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	21.00	20.29	0.445	0.070	1.18	0.524	/
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	21.00	20.32	0.146	-0.036	1.17	0.171	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	21.00	20.29	0.136	0.028	1.18	0.160	/
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	21.00	20.32	0.032	0.094	1.17	0.037	/
			10		DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	21.00	20.29	0.030	-0.070	1.18	0.035	/
		Top Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
	Bottom Edge	10		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	21.00	20.32	0.854	0.041	1.17	0.999	/	
		10		DFT-s-OFDM QPSK	Level5	1	104	502000/2510	21.00	20.31	0.793	0.100	1.17	0.930	/	
		10		DFT-s-OFDM QPSK	Level5	1	104	512000/2560	21.00	20.30	0.812	0.022	1.17	0.954	/	
		10		DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	21.00	20.29	0.884	0.025	1.18	1.041	/	
		10		DFT-s-OFDM QPSK	Level5	50%	25	502000/2510	21.00	20.22	0.839	-0.100	1.20	1.004	/	
		10		DFT-s-OFDM QPSK	Level5	50%	25	512000/2560	21.00	20.27	0.867	0.042	1.18	1.026	/	
		10		DFT-s-OFDM QPSK	Level5	100%	0	507000/2535	21.00	20.34	0.663	0.040	1.16	0.772	/	
		Bottom Edge repeat		10	DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	21.00	20.29	0.892	-0.018	1.18	1.050	109
	Bottom Edge SIM2	10	DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	21.00	20.29	0.843	0.070	1.18	0.993	/		
	Div ANT 4	Back Side	10		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	22.00	21.20	0.350	-0.060	1.20	0.421	/
10			DFT-s-OFDM QPSK		Level5	50%	25	507000/2535	22.00	21.16	0.358	0.014	1.21	0.434	/	
Front Side		10		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	22.00	21.20	0.246	0.032	1.20	0.296	/	
		10		DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	22.00	21.16	0.230	0.080	1.21	0.279	/	
Left Edge		10		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	22.00	21.20	0.424	-0.072	1.20	0.510	/	
		10		DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	22.00	21.16	0.409	0.011	1.21	0.496	/	
Right Edge		10		DFT-s-OFDM QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10		DFT-s-OFDM QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Top Edge		10		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	22.00	21.20	0.218	0.046	1.20	0.262	/	
		10		DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	22.00	21.16	0.236	0.038	1.21	0.286	/	
Bottom Edge		10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
n41		Main ANT 3	Back Side		DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	18.00	17.05	0.372	0.010	1.24	0.463	/
					DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	18.00	17.02	0.475	0.024	1.25	0.595	/
	Front Side		10		DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	18.00	17.05	0.174	0.060	1.24	0.217	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	18.00	17.02	0.193	0.018	1.25	0.242	/
	Left Edge		10		DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	18.00	17.05	0.608	0.010	1.24	0.757	/



Div ANT 6	Right Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	18.00	17.02	0.625	-0.060	1.25	0.783	/	
		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Top Edge	10	DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	18.00	17.05	0.085	-0.025	1.24	0.106	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	18.00	17.02	0.097	0.017	1.25	0.122	/	
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Mas ANT 1	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	528000/2640	19.50	19.07	0.218	0.013	1.10	0.241	/
			10	DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	19.50	18.82	0.254	0.017	1.17	0.297	/
		Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	528000/2640	19.50	19.07	0.135	0.032	1.10	0.149	/
			10	DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	19.50	18.82	0.158	0.000	1.17	0.185	/
		Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	528000/2640	19.50	19.07	0.051	-0.015	1.10	0.056	/
10			DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	19.50	18.82	0.063	0.032	1.17	0.074	/	
Right Edge		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Top Edge		10	DFT-s-OFDM QPSK	Level5	1	1	528000/2640	19.50	19.07	0.298	0.018	1.10	0.329	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	19.50	18.82	0.409	0.010	1.17	0.478	/	
Bottom Edge		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Tas ANT 4	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	19.50	19.12	0.286	0.018	1.09	0.312	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	509202/2546.01	19.50	19.02	0.284	0.031	1.12	0.317	/	
	Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	19.50	19.12	0.199	-0.095	1.09	0.217	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	509202/2546.01	19.50	19.02	0.208	0.019	1.12	0.232	/	
	Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	19.50	19.12	0.067	0.017	1.09	0.073	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	509202/2546.01	19.50	19.02	0.059	0.026	1.12	0.066	/	
	Right Edge	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	19.50	19.12	0.012	0.031	1.09	0.013	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	509202/2546.01	19.50	19.02	0.000	0.000	1.12	0.000	/	
	Top Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	19.50	19.12	0.678	0.042	1.09	0.740	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	509202/2546.01	19.50	19.02	0.715	0.100	1.12	0.799	110	
Div ANT 6	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	16.50	15.73	0.252	0.012	1.19	0.301	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	16.50	15.57	0.247	-0.036	1.24	0.306	/	
	Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	16.50	15.73	0.178	0.040	1.19	0.213	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	16.50	15.57	0.172	-0.019	1.24	0.213	/	
	Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	16.50	15.73	0.075	0.013	1.19	0.090	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	16.50	15.57	0.061	0.010	1.24	0.076	/	
	Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Top Edge	10	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	16.50	15.73	0.256	-0.021	1.19	0.306	/	
		10	DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	16.50	15.57	0.279	0.010	1.24	0.346	/	
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	



n41 (MIMO)	Mas ANT 1	Back Side	10	SA	DFT-s-OFDM QPSK	Level5	1	271	509202/2546.01	16.50	15.90	0.138	0.018	1.15	0.158	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	16.50	15.77	0.112	0.000	1.18	0.133	/
	Div ANT 6	Top Edge	10	SA	DFT-s-OFDM QPSK	Level5	1	271	518598/2592.99	16.50	15.87	0.168	-0.045	1.16	0.194	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	16.50	15.95	0.247	0.020	1.14	0.280	/
	Tas ANT 4	Back Side	10	SA	DFT-s-OFDM QPSK	Level5	1	1	509202/2546.01	14.50	13.64	0.109	0.030	1.22	0.133	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	518598/2592.99	14.50	13.65	0.095	0.011	1.22	0.116	/
n66	Main ANT 2	Back Side	10	SA&N	DFT-s-OFDM QPSK	Level5	1	1	353000/1765	20.00	19.07	0.238	0.013	1.24	0.295	/
			10		DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	20.00	19.09	0.230	-0.090	1.23	0.284	/
		Front Side	10		DFT-s-OFDM QPSK	Level5	1	1	353000/1765	20.00	19.07	0.168	0.020	1.24	0.208	/
			10		DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	20.00	19.09	0.149	0.038	1.23	0.184	/
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	1	353000/1765	20.00	19.07	0.413	0.000	1.24	0.512	/
			10		DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	20.00	19.09	0.368	0.014	1.23	0.454	/
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
	Div ANT 1	Back Side	10		DFT-s-OFDM QPSK	Level5	1	158	349000/1745	19.00	18.23	0.251	0.025	1.19	0.300	/
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	19.00	18.30	0.270	-0.100	1.17	0.317	/
		Front Side	10		DFT-s-OFDM QPSK	Level5	1	158	349000/1745	19.00	18.23	0.203	0.039	1.19	0.242	/
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	19.00	18.30	0.212	0.040	1.17	0.249	/
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	158	349000/1745	19.00	18.23	0.084	0.011	1.19	0.100	/
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	19.00	18.30	0.083	0.029	1.17	0.098	/
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	158	349000/1745	19.00	18.23	0.000	0.000	1.19	0.000	/
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	19.00	18.30	0.000	0.000	1.17	0.000	/
		Top Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Bottom Edge	10		DFT-s-OFDM QPSK	Level5	1	158	349000/1745	19.00	18.23	0.445	0.080	1.19	0.531	111
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	19.00	18.30	0.371	0.023	1.17	0.436	/
Mas ANT 4	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	349000/1745	19.00	18.40	0.382	0.040	1.15	0.439	/		
		10	DFT-s-OFDM QPSK	Level5	50%	40	345000/1725	19.00	18.41	0.346	0.020	1.15	0.396	/		
	Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	349000/1745	19.00	18.40	0.305	0.033	1.15	0.350	/		
		10	DFT-s-OFDM QPSK	Level5	50%	40	345000/1725	19.00	18.41	0.275	-0.016	1.15	0.315	/		
	Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	349000/1745	19.00	18.40	0.402	0.070	1.15	0.462	/		
		10	DFT-s-OFDM QPSK	Level5	50%	40	345000/1725	19.00	18.41	0.414	-0.023	1.15	0.474	/		
	Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	Top Edge	10	DFT-s-OFDM QPSK	Level5	1	1	349000/1745	19.00	18.40	0.291	0.085	1.15	0.334	/		
		10	DFT-s-OFDM QPSK	Level5	50%	40	345000/1725	19.00	18.41	0.277	0.037	1.15	0.317	/		
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
n77	Main	Back Side	10	SA&N	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	15.50	15.17	0.423	0.055	1.08	0.456	/



ANT 3	SA	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	15.50	15.15	0.441	0.029	1.08	0.478	112	
			DFT-s-OFDM QPSK	Level5	1	1	650000/3750	15.50	14.83	0.385	0.000	1.17	0.449	/	
		Back Side	10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	15.50	14.72	0.394	0.031	1.20	0.472	/
			10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	15.50	15.17	0.059	-0.012	1.08	0.064	/
		Front Side	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	15.50	15.15	0.026	0.013	1.08	0.028	/
			10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	15.50	15.17	0.439	0.032	1.08	0.474	/
	Left Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	15.50	15.15	0.407	0.055	1.08	0.441	/	
		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Right Edge	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	15.50	15.17	0.143	-0.180	1.08	0.154	/	
	Top Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	15.50	15.15	0.114	0.054	1.08	0.124	/	
		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Bottom Edge	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	15.50	14.67	0.053	0.011	1.21	0.064	/		
Div	ANT 7	Back Side	10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	15.50	14.51	0.057	-0.090	1.26	0.072	/
			10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	15.50	14.67	0.121	0.011	1.21	0.146	/
		Front Side	10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	15.50	14.51	0.141	0.080	1.26	0.177	/
			10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	15.50	14.67	0.025	0.010	1.21	0.030	/
		Left Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	15.50	14.51	0.022	-0.025	1.26	0.028	/
			10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	15.50	14.67	0.041	-0.030	1.21	0.050	/
	Right Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	15.50	14.51	0.031	0.016	1.26	0.039	/	
		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Top Edge	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	15.50	14.67	0.028	0.032	1.21	0.034	/	
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	15.50	14.51	0.027	0.010	1.26	0.034	/	
		10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.00	16.57	0.097	-0.020	1.10	0.107	/	
Mas	ANT 5	Back Side	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	16.52	0.075	0.069	1.12	0.084	/
			10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.00	16.57	0.004	0.074	1.10	0.004	/
		Front Side	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	16.52	0.000	0.000	1.12	0.000	/
			10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.00	16.57	0.013	0.018	1.10	0.014	/
		Left Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	16.52	0.009	0.012	1.12	0.010	/
			10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
	Right Edge	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.00	16.57	0.021	-0.060	1.10	0.023	/	
	Top Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	16.52	0.017	0.025	1.12	0.019	/	
		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	17.00	16.24	0.149	0.027	1.19	0.177	/	
Tas	ANT 2	Back Side	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	16.14	0.132	-0.050	1.22	0.161	/
			10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	17.00	16.24	0.039	0.010	1.19	0.046	/
		Front Side	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	16.14	0.045	0.012	1.22	0.055	/
	10		DFT-s-OFDM QPSK	Level5	1	271	633332/3500	17.00	16.24	0.126	0.046	1.19	0.150	/	
	Left Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	16.14	0.151	0.011	1.22	0.184	/	
		10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	17.00	16.24	0.126	0.046	1.19	0.150	/	



n78	Main ANT 3	Right Edge	10	SA&N SA	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Top Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Bottom Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
	Div ANT 7	Back Side	10		DFT-s-OFDM QPSK	Level5	1	271	633332/3500	17.00	15.91	0.493	0.018	1.29	0.634	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	15.92	0.539	0.010	1.28	0.691	113
		Back Side	10		DFT-s-OFDM QPSK	Level5	1	271	650000/3750	17.00	15.33	0.427	-0.020	1.47	0.627	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	650000/3750	17.00	15.29	0.462	0.040	1.48	0.685	/
		Front Side	10		DFT-s-OFDM QPSK	Level5	1	271	633332/3500	17.00	15.91	0.056	-0.030	1.29	0.072	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	15.92	0.075	-0.180	1.28	0.096	/
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	271	633332/3500	17.00	15.91	0.402	0.174	1.29	0.517	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	15.92	0.526	-0.096	1.28	0.675	/
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	10		DFT-s-OFDM QPSK	Level5	1	271	633332/3500	17.00	15.91	0.146	0.110	1.29	0.188	/
			10		DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.00	15.92	0.175	-0.180	1.28	0.224	/
Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
Mas ANT 5	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	16.67	0.139	0.032	1.21	0.168	/		
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	16.48	0.135	0.080	1.26	0.171	/		
	Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	16.67	0.223	0.010	1.21	0.270	/		
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	16.48	0.244	0.000	1.26	0.309	/		
	Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	16.67	0.037	0.023	1.21	0.045	/		
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	16.48	0.024	-0.049	1.26	0.030	/		
	Right Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	16.67	0.051	0.023	1.21	0.062	/		
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	16.48	0.062	0.011	1.26	0.078	/		
	Top Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	16.67	0.031	0.042	1.21	0.038	/		
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	16.48	0.024	0.038	1.26	0.030	/		
Bottom Edge	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	20.00	19.09	0.125	-0.013	1.23	0.154	/		
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	20.00	18.89	0.145	0.010	1.29	0.187	/		
	Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	20.00	19.09	0.012	0.000	1.23	0.015	/		
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	20.00	18.89	0.011	-0.029	1.29	0.014	/		
	Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	20.00	19.09	0.019	0.038	1.23	0.023	/		
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	20.00	18.89	0.025	0.050	1.29	0.032	/		
	Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
Top Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	20.00	19.09	0.035	-0.020	1.23	0.043	/			
	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	20.00	18.89	0.049	0.045	1.29	0.063	/			
Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			



n78 (MIMO)	ANT 2	Tas	Back Side	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
				10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	19.50	18.58	0.382	0.011	1.24	0.472	/		
		Front Side	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	19.50	18.50	0.375	-0.060	1.26	0.472	/			
			10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	19.50	18.58	0.132	0.026	1.24	0.163	/			
		Left Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	19.50	18.50	0.146	0.035	1.26	0.184	/			
			10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	19.50	18.58	0.325	0.070	1.24	0.402	/			
		Right Edge	10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	19.50	18.50	0.392	0.011	1.26	0.493	/			
			10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
		Top Edge	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
			10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
		Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
		n78 (MIMO)	Main ANT 3	Back Side	10	SA	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	16.00	15.42	0.405	0.011	1.14	0.463	/
					10	SA	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	16.00	15.24	0.425	-0.015	1.19	0.506	/
Tas ANT 2	Back Side		10	SA	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	16.50	15.68	0.145	-0.012	1.21	0.175	/		
			10	SA	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	16.50	15.41	0.174	0.024	1.29	0.224	/		

Band	Antenna	Test Position	Dist. (mm)	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
2.4G	ANT 7	Back Side	10	802.11b	98.0%	Level4	6/2437	17.00	16.57	0.136	0.032	1.13	0.153	/
		Front Side	10	802.11b	98.0%	Level4	6/2437	17.00	16.57	0.075	0.019	1.13	0.084	/
		Left Edge	10	802.11b	98.0%	Level4	6/2437	17.00	16.57	0.025	-0.100	1.13	0.028	/
		Right Edge	10	802.11b	98.0%	Level4	6/2437	17.00	16.57	0.021	0.000	1.13	0.024	/
		Top Edge	10	802.11b	98.0%	Level4	6/2437	17.00	16.57	0.242	0.021	1.13	0.273	/
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANT 9	Back Side	10	802.11b	98.0%	Level4	11/2462	20.00	19.61	0.228	0.014	1.12	0.255	/
		Front Side	10	802.11b	98.0%	Level4	11/2462	20.00	19.61	0.194	0.035	1.12	0.217	/
		Left Edge	10	802.11b	98.0%	Level4	11/2462	20.00	19.61	0.000	0.000	1.12	0.000	/
		Right Edge	10	802.11b	98.0%	Level4	11/2462	20.00	19.61	0.355	-0.020	1.12	0.396	114
		Top Edge	10	802.11b	98.0%	Level4	11/2462	20.00	19.61	0.043	0.012	1.12	0.048	/
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	MIMO	Back Side	10	802.11b	98.0%	Level4	6/2437	19.51	18.77	0.264	0.030	1.21	0.319	/
		Front Side	10	802.11b	98.0%	Level4	6/2437	19.51	18.77	0.118	0.024	1.21	0.143	/
		Left Edge	10	802.11b	98.0%	Level4	6/2437	19.51	18.77	0.000	0.000	1.21	0.000	/
		Right Edge	10	802.11b	98.0%	Level4	6/2437	19.51	18.77	0.081	0.017	1.21	0.098	/
		Top Edge	10	802.11b	98.0%	Level4	6/2437	19.51	18.77	0.312	-0.060	1.21	0.378	/
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
U-NII-1	ANT 8	Back Side	10	802.11a	100.0%	Level4	36/5180	15.50	14.36	0.142	0.013	1.30	0.185	/
		Front Side	10	802.11a	100.0%	Level4	36/5180	15.50	14.36	0.152	0.048	1.30	0.198	/
		Left Edge	10	802.11a	100.0%	Level4	36/5180	15.50	14.36	0.021	0.022	1.30	0.027	/
		Right Edge	10	802.11a	100.0%	Level4	36/5180	15.50	14.36	0.117	-0.010	1.30	0.152	/
		Top Edge	10	802.11a	100.0%	Level4	36/5180	15.50	14.36	0.246	0.014	1.30	0.320	/



		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
ANT 9		Back Side	10	802.11ac-VHT20	100.0%	Level4	48/5240	19.50	18.31	0.052	0.024	1.32	0.068	/	
		Front Side	10	802.11ac-VHT20	100.0%	Level4	48/5240	19.50	18.31	0.051	0.039	1.32	0.067	/	
		Left Edge	10	802.11ac-VHT20	100.0%	Level4	48/5240	19.50	18.31	0.057	0.015	1.32	0.075	/	
		Right Edge	10	802.11ac-VHT20	100.0%	Level4	48/5240	19.50	18.31	0.038	-0.030	1.32	0.050	/	
		Top Edge	10	802.11ac-VHT20	100.0%	Level4	48/5240	19.50	18.31	0.059	0.011	1.32	0.078	/	
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
	MIMO		Back Side	10	802.11ac-VHT20	100.0%	Level4	36/5180	18.51	17.38	0.325	0.040	1.30	0.422	/
			Front Side	10	802.11ac-VHT20	100.0%	Level4	36/5180	18.51	17.38	0.268	0.058	1.30	0.348	/
			Left Edge	10	802.11ac-VHT20	100.0%	Level4	36/5180	18.51	17.38	0.000	0.000	1.30	0.000	/
			Right Edge	10	802.11ac-VHT20	100.0%	Level4	36/5180	18.51	17.38	0.254	0.012	1.30	0.329	/
			Top Edge	10	802.11ac-VHT20	100.0%	Level4	36/5180	18.51	17.38	0.387	0.070	1.30	0.502	/
			Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
U-NII-2A	ANT 8	Back Side	10	802.11a	100.0%	Level4	52/5260	15.50	14.22	0.138	0.032	1.34	0.185	/	
		Front Side	10	802.11a	100.0%	Level4	52/5260	15.50	14.22	0.152	0.061	1.34	0.204	/	
		Left Edge	10	802.11a	100.0%	Level4	52/5260	15.50	14.22	0.024	-0.099	1.34	0.032	/	
		Right Edge	10	802.11a	100.0%	Level4	52/5260	15.50	14.22	0.019	0.034	1.34	0.026	/	
		Top Edge	10	802.11a	100.0%	Level4	52/5260	15.50	14.22	0.251	0.025	1.34	0.337	/	
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
	ANT 9		Back Side	10	802.11ax HE 20	100.0%	Level4	52/5260	19.50	18.37	0.039	0.038	1.30	0.051	/
			Front Side	10	802.11ax HE 20	100.0%	Level4	52/5260	19.50	18.37	0.043	-0.100	1.30	0.056	/
			Left Edge	10	802.11ax HE 20	100.0%	Level4	52/5260	19.50	18.37	0.045	0.032	1.30	0.058	/
			Right Edge	10	802.11ax HE 20	100.0%	Level4	52/5260	19.50	18.37	0.045	0.018	1.30	0.058	/
			Top Edge	10	802.11ax HE 20	100.0%	Level4	52/5260	19.50	18.37	0.042	0.067	1.30	0.054	/
			Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO		Back Side	10	802.11a	100.0%	Level4	52/5260	18.51	17.43	0.169	0.038	1.28	0.217	/
			Front Side	10	802.11a	100.0%	Level4	52/5260	18.51	17.43	0.204	-0.140	1.28	0.262	/
			Left Edge	10	802.11a	100.0%	Level4	52/5260	18.51	17.43	0.032	0.052	1.28	0.041	/
			Right Edge	10	802.11a	100.0%	Level4	52/5260	18.51	17.43	0.202	0.079	1.28	0.259	/
			Top Edge	10	802.11a	100.0%	Level4	52/5260	18.51	17.43	0.276	0.000	1.28	0.354	/
			Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	U-NII-2C	ANT 8	Back Side	10	802.11a	100.0%	Level4	100/5500	16.50	15.33	0.213	0.036	1.31	0.279	/
			Front Side	10	802.11a	100.0%	Level4	100/5500	16.50	15.33	0.171	0.100	1.31	0.224	/
			Left Edge	10	802.11a	100.0%	Level4	100/5500	16.50	15.33	0.060	0.025	1.31	0.079	/
			Right Edge	10	802.11a	100.0%	Level4	100/5500	16.50	15.33	0.162	-0.070	1.31	0.212	/
			Top Edge	10	802.11a	100.0%	Level4	100/5500	16.50	15.33	0.251	0.014	1.31	0.329	/
			Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
ANT 9			Back Side	10	802.11a	100.0%	Level4	100/5500	19.50	18.28	0.074	0.023	1.32	0.098	/
			Front Side	10	802.11a	100.0%	Level4	100/5500	19.50	18.28	0.050	0.060	1.32	0.066	/
			Left Edge	10	802.11a	100.0%	Level4	100/5500	19.50	18.28	0.048	0.029	1.32	0.064	/
			Right Edge	10	802.11a	100.0%	Level4	100/5500	19.50	18.28	0.083	-0.090	1.32	0.110	/
			Top Edge	10	802.11a	100.0%	Level4	100/5500	19.50	18.28	0.050	0.152	1.32	0.066	/
			Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/



	MIMO	Back Side	10	802.11a	100.0%	Level4	144/5720	22.51	21.46	0.371	0.036	1.27	0.472	/
		Front Side	10	802.11a	100.0%	Level4	144/5720	22.51	21.46	0.293	-0.030	1.27	0.373	/
		Left Edge	10	802.11a	100.0%	Level4	144/5720	22.51	21.46	0.135	0.015	1.27	0.172	/
		Right Edge	10	802.11a	100.0%	Level4	144/5720	22.51	21.46	0.346	0.028	1.27	0.440	/
		Top Edge	10	802.11a	100.0%	Level4	144/5720	22.51	21.46	0.412	-0.059	1.27	0.525	/
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
U-NII-3	ANT 8	Back Side	10	802.11a	100.0%	Level4	165/5825	16.50	15.46	0.326	0.025	1.27	0.414	/
		Front Side	10	802.11a	100.0%	Level4	165/5825	16.50	15.46	0.244	0.012	1.27	0.310	/
		Left Edge	10	802.11a	100.0%	Level4	165/5825	16.50	15.46	0.098	-0.090	1.27	0.125	/
		Right Edge	10	802.11a	100.0%	Level4	165/5825	16.50	15.46	0.254	0.023	1.27	0.323	/
		Top Edge	10	802.11a	100.0%	Level4	165/5825	16.50	15.46	0.411	0.000	1.27	0.523	/
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT 9	Back Side	10	802.11a	100.0%	Level4	149/5745	19.50	18.25	0.201	0.071	1.33	0.268	/
		Front Side	10	802.11a	100.0%	Level4	149/5745	19.50	18.25	0.076	0.010	1.33	0.101	/
		Left Edge	10	802.11a	100.0%	Level4	149/5745	19.50	18.25	0.055	0.032	1.33	0.073	/
		Right Edge	10	802.11a	100.0%	Level4	149/5745	19.50	18.25	0.214	0.049	1.33	0.285	/
		Top Edge	10	802.11a	100.0%	Level4	149/5745	19.50	18.25	0.193	0.021	1.33	0.257	/
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO	Back Side	10	802.11a	100.0%	Level4	149/5745	19.51	18.33	0.385	0.000	1.31	0.505	/
		Front Side	10	802.11a	100.0%	Level4	149/5745	19.51	18.33	0.256	-0.038	1.31	0.336	/
		Left Edge	10	802.11a	100.0%	Level4	149/5745	19.51	18.33	0.124	0.026	1.31	0.163	/
		Right Edge	10	802.11a	100.0%	Level4	149/5745	19.51	18.33	0.417	0.070	1.31	0.547	/
		Top Edge	10	802.11a	100.0%	Level4	149/5745	19.51	18.33	0.437	-0.044	1.31	0.573	115
		Bottom Edge	10	N/A	N/A	Level4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
Bluetooth	ANT 7	Back Side	10	DH5	76.9%	-	39/2441	13.50	12.65	0.039	-0.016	1.58	0.061	/
		Front Side	10	DH5	76.9%	-	39/2441	13.50	12.65	0.014	-0.032	1.58	0.023	/
		Left Edge	10	DH5	76.9%	-	39/2441	13.50	12.65	0.000	0.000	1.58	0.000	/
		Right Edge	10	DH5	76.9%	-	39/2441	13.50	12.65	0.000	0.000	1.58	0.000	/
		Top Edge	10	DH5	76.9%	-	39/2441	13.50	12.65	0.081	0.017	1.58	0.128	116
		Bottom Edge	10	N/A	N/A	-	N/A	N/A	N/A	N/A		N/A	N/A	/



Product-specific 10g SAR Evaluation

Band	Antenna	Test Position	Mode	Power Reduction	RB	offset	Channel Frequency(MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)	0mm SAR
WCDMA II	Main (ANT 1)	Back Side	RMC	Level5	-	-	9400/1880	25.00	22.00	0.289	2.00	0.576	NO
		Front Side	RMC	Level5	-	-	9400/1880	25.00	22.00	0.269	2.00	0.536	NO
		Left Edge	RMC	Level5	-	-	9400/1880	25.00	22.00	0.111	2.00	0.221	NO
		Right Edge	RMC	Level5	-	-	9400/1880	25.00	22.00	0.000	2.00	0.000	NO
		Bottom Edge	RMC	Level5	-	-	9400/1880	25.00	22.00	0.739	2.00	1.474	YES
WCDMA IV	Main (ANT 1)	Back Side	RMC	Level5	-	-	1413/1732.6	25.00	21.00	0.466	2.51	1.171	NO
		Front Side	RMC	Level5	-	-	1413/1732.6	25.00	21.00	0.349	2.51	0.877	NO
		Left Edge	RMC	Level5	-	-	1413/1732.6	25.00	21.00	0.127	2.51	0.319	NO
		Right Edge	RMC	Level5	-	-	1413/1732.6	25.00	21.00	0.063	2.51	0.158	NO
		Bottom Edge	RMC	Level5	-	-	1413/1732.6	25.00	21.00	0.797	2.51	2.001	YES
LTE 2	Main (ANT 1)	Back Side	QPSK	Level5	1	0	18700/1860	25.00	22.00	0.556	2.00	1.110	NO
			QPSK	Level5	50%	0	18700/1860	24.00	21.00	0.476	2.00	0.949	NO
		Front Side	QPSK	Level5	1	0	18700/1860	25.00	22.00	0.444	2.00	0.886	NO
			QPSK	Level5	50%	0	18700/1860	24.00	21.00	0.381	2.00	0.760	NO
		Left Edge	QPSK	Level5	1	0	18700/1860	25.00	22.00	0.157	2.00	0.314	NO
			QPSK	Level5	50%	0	18700/1860	24.00	21.00	0.116	2.00	0.231	NO
		Right Edge	QPSK	Level5	1	0	18700/1860	25.00	22.00	0.116	2.00	0.231	NO
			QPSK	Level5	50%	0	18700/1860	24.00	21.00	0.105	2.00	0.210	NO
Bottom Edge	QPSK	Level5	1	0	18700/1860	25.00	22.00	0.766	2.00	1.529	YES		
	QPSK	Level5	50%	0	18700/1860	24.00	21.00	0.697	2.00	1.390	YES		
LTE 4	Main (ANT 1)	Back Side	QPSK	Level5	1	50	20300/1745	25.00	21.00	0.509	2.51	1.278	YES
			QPSK	Level5	50%	0	20050/1720	24.00	20.00	0.389	2.51	0.978	NO
		Front Side	QPSK	Level5	1	50	20300/1745	25.00	21.00	0.369	2.51	0.927	NO
			QPSK	Level5	50%	0	20050/1720	24.00	20.00	0.293	2.51	0.736	NO
		Left Edge	QPSK	Level5	1	50	20300/1745	25.00	21.00	0.060	2.51	0.150	NO
			QPSK	Level5	50%	0	20050/1720	24.00	20.00	0.049	2.51	0.122	NO
		Right Edge	QPSK	Level5	1	50	20300/1745	25.00	21.00	0.081	2.51	0.204	NO
			QPSK	Level5	50%	0	20050/1720	24.00	20.00	0.065	2.51	0.163	NO
Bottom Edge	QPSK	Level5	1	50	20300/1745	25.00	21.00	0.778	2.51	1.955	YES		
	QPSK	Level5	50%	0	20050/1720	24.00	20.00	0.614	2.51	1.542	YES		
LTE 7	Main (ANT 1)	Back Side	QPSK	Level5	1	0	21350/2560	25.00	20.00	0.535	3.16	1.691	YES
			QPSK	Level5	50%	50	21350/2560	24.00	19.00	0.444	3.16	1.403	YES
		Front Side	QPSK	Level5	1	0	21350/2560	25.00	20.00	0.369	3.16	1.167	NO
			QPSK	Level5	50%	50	21350/2560	24.00	19.00	0.302	3.16	0.956	NO
		Left Edge	QPSK	Level5	1	0	21350/2560	25.00	20.00	0.122	3.16	0.385	NO
			QPSK	Level5	50%	50	21350/2560	24.00	19.00	0.078	3.16	0.245	NO
		Right Edge	QPSK	Level5	1	0	21350/2560	25.00	20.00	0.000	3.16	0.000	NO
			QPSK	Level5	50%	50	21350/2560	24.00	19.00	0.000	3.16	0.000	NO
Bottom Edge	QPSK	Level5	1	0	21350/2560	25.00	20.00	0.799	3.16	2.525	YES		



			QPSK	Level5	50%	50	21350/2560	24.00	19.00	0.688	3.16	2.174	YES	
LTE 40	Main (ANT 1)	Back Side	QPSK	Level5	1	25	39150/2350	25.00	23.00	0.740	1.58	1.173	NO	
			QPSK	Level5	50%	0	39150/2350	24.00	22.00	0.571	1.58	0.905	NO	
		Front Side	QPSK	Level5	1	25	39150/2350	25.00	23.00	0.515	1.58	0.816	NO	
			QPSK	Level5	50%	0	39150/2350	24.00	22.00	0.405	1.58	0.642	NO	
		Left Edge	QPSK	Level5	1	25	39150/2350	25.00	23.00	0.051	1.58	0.081	NO	
			QPSK	Level5	50%	0	39150/2350	24.00	22.00	0.028	1.58	0.045	NO	
		Right Edge	QPSK	Level5	1	25	39150/2350	25.00	23.00	0.000	1.58	0.000	NO	
			QPSK	Level5	50%	0	39150/2350	24.00	22.00	0.000	1.58	0.000	NO	
		Bottom Edge	N/A	Level5	1	25	39150/2350	25.00	23.00	0.983	1.58	1.557	YES	
			N/A	Level5	50%	0	39150/2350	24.00	22.00	0.871	1.58	1.380	YES	
LTE 41	Main (ANT 1)	Back Side	QPSK	Level5	1	0	39750/2506	26.00	23.50	0.626	1.78	1.113	NO	
			QPSK	Level5	50%	0	41055/2636.5	25.00	22.50	0.523	1.78	0.930	NO	
		Front Side	QPSK	Level5	1	0	39750/2506	26.00	23.50	0.470	1.78	0.837	NO	
			QPSK	Level5	50%	0	41055/2636.5	25.00	22.50	0.364	1.78	0.647	NO	
		Left Edge	QPSK	Level5	1	0	39750/2506	26.00	23.50	0.078	1.78	0.138	NO	
			QPSK	Level5	50%	0	41055/2636.5	25.00	22.50	0.052	1.78	0.092	NO	
		Right Edge	QPSK	Level5	1	0	39750/2506	26.00	23.50	0.000	1.78	0.000	NO	
			QPSK	Level5	50%	0	41055/2636.5	25.00	22.50	0.000	1.78	0.000	NO	
		Bottom Edge	N/A	Level5	1	0	39750/2506	26.00	23.50	1.002	1.78	1.783	YES	
			N/A	Level5	50%	0	41055/2636.5	25.00	22.50	1.001	1.78	1.780	YES	
LTE 66	Main (ANT 2)	Back Side	QPSK	Level5	1	0	132072/1720	25.00	22.00	0.567	2.00	1.131	NO	
			QPSK	Level5	50%	25	132572/1770	24.00	21.00	0.449	2.00	0.896	NO	
		Front Side	QPSK	Level5	1	0	132072/1720	25.00	22.00	0.220	2.00	0.439	NO	
			QPSK	Level5	50%	25	132572/1770	24.00	21.00	0.164	2.00	0.327	NO	
		Left Edge	QPSK	Level5	1	0	132072/1720	25.00	22.00	0.815	2.00	1.626	YES	
			QPSK	Level5	50%	25	132572/1770	24.00	21.00	0.580	2.00	1.158	NO	
		Right Edge	QPSK	Level5	1	0	132072/1720	25.00	22.00	0.000	2.00	0.000	NO	
			QPSK	Level5	50%	25	132572/1770	24.00	21.00	0.000	2.00	0.000	NO	
		Bottom Edge	QPSK	Level5	1	0	132072/1720	25.00	22.00	0.021	2.00	0.043	NO	
			QPSK	Level5	50%	25	132572/1770	24.00	21.00	0.015	2.00	0.030	NO	
		DIV (ANT 1)	Back Side	QPSK	Level5	1	0	132572/1770	25.00	22.00	0.400	2.00	0.798	NO
				QPSK	Level5	50%	50	132572/1770	24.00	21.00	0.377	2.00	0.751	NO
	Front Side		QPSK	Level5	1	0	132572/1770	25.00	22.00	0.268	2.00	0.535	NO	
			QPSK	Level5	50%	50	132572/1770	24.00	21.00	0.215	2.00	0.430	NO	
	Left Edge		QPSK	Level5	1	0	132572/1770	25.00	22.00	0.718	2.00	1.433	YES	
			QPSK	Level5	50%	50	132572/1770	24.00	21.00	0.564	2.00	1.126	NO	
	Right Edge	QPSK	Level5	1	0	132572/1770	25.00	22.00	0.000	2.00	0.000	NO		
		QPSK	Level5	50%	50	132572/1770	24.00	21.00	0.000	2.00	0.000	NO		
Bottom Edge	N/A	Level5	1	0	132572/1770	25.00	22.00	0.000	2.00	0.000	NO			
	N/A	Level5	50%	50	132572/1770	24.00	21.00	0.000	2.00	0.000	NO			



Band	Antenna	Test Position	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)	0mm SAR
n7	Main ANT 1	Back Side	SA	DFT-s-OFDM QPSK	Level5	1	1	507000/2535	23.00	21.00	0.674	1.58	1.068	NO
				DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	23.00	21.00	0.658	1.58	1.043	NO
		Front Side		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	23.00	21.00	0.494	1.58	0.782	NO
				DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	23.00	21.00	0.524	1.58	0.831	NO
		Left Edge		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	23.00	21.00	0.171	1.58	0.271	NO
				DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	23.00	21.00	0.160	1.58	0.254	NO
		Right Edge		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	23.00	21.00	0.037	1.58	0.059	NO
				DFT-s-OFDM QPSK	Level5	50%	25	507000/2535	23.00	21.00	0.035	1.58	0.056	NO
		Bottom Edge		DFT-s-OFDM QPSK	Level5	1	1	507000/2535	23.00	21.00	0.999	1.58	1.583	YES
DFT-s-OFDM QPSK	Level5		50%	25	507000/2535	23.00	21.00	1.041	1.58	1.650	YES			
n41	Main ANT 3	Back Side	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	20.50	17.50	0.413	2.00	0.823	NO
				DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	20.50	17.50	0.562	2.00	1.121	NO
		Front Side		DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	20.50	17.50	0.193	2.00	0.385	NO
				DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	20.50	17.50	0.228	2.00	0.456	NO
		Left Edge		DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	20.50	17.50	0.674	2.00	1.346	YES
				DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	20.50	17.50	0.739	2.00	1.475	YES
		Top Edge		DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	20.50	17.50	0.094	2.00	0.188	NO
DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	20.50	17.50	0.115	2.00	0.229	NO				
n66	Main ANT 2	Back Side	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	353000/1765	21.50	20.00	0.295	1.41	0.416	NO
				DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	21.50	20.00	0.284	1.41	0.401	NO
		Front Side		DFT-s-OFDM QPSK	Level5	1	1	353000/1765	21.50	20.00	0.208	1.41	0.294	NO
				DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	21.50	20.00	0.184	1.41	0.260	NO
		Left Edge		DFT-s-OFDM QPSK	Level5	1	1	353000/1765	21.50	20.00	0.512	1.41	0.723	NO
DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	21.50	20.00	0.454	1.41	0.641	NO				
n77	Main ANT 3	Back Side	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	15.50	0.456	1.58	0.723	NO
				DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	15.50	0.478	1.58	0.758	NO
		Front Side		DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	15.50	0.064	1.58	0.101	NO
				DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	15.50	0.028	1.58	0.045	NO
		Left Edge		DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	15.50	0.474	1.58	0.751	NO
				DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	15.50	0.441	1.58	0.699	NO
		Top Edge		DFT-s-OFDM QPSK	Level5	1	1	633332/3500	17.50	15.50	0.154	1.58	0.245	NO
DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	17.50	15.50	0.124	1.58	0.196	NO				
n78	Main ANT 3	Back Side	SA&NSA	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	20.00	17.00	0.634	2.00	1.264	YES
				DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	20.00	17.00	0.691	2.00	1.379	YES
		Front Side		DFT-s-OFDM QPSK	Level5	1	271	633332/3500	20.00	17.00	0.072	2.00	0.143	NO
				DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	20.00	17.00	0.096	2.00	0.192	NO
		Left Edge		DFT-s-OFDM QPSK	Level5	1	271	633332/3500	20.00	17.00	0.517	2.00	1.031	NO
				DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	20.00	17.00	0.675	2.00	1.346	YES
		Top Edge		DFT-s-OFDM QPSK	Level5	1	271	633332/3500	20.00	17.00	0.188	2.00	0.374	NO



			DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	20.00	17.00	0.224	2.00	0.448	NO
--	--	--	-----------------	--------	-----	----	-------------	-------	-------	-------	------	-------	----

Band	Antenna	Test Position	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)	0mm SAR
2.4G	ANT 7	Back Side	802.11b	98.0%	Level4	6/2437	20.00	17.00	0.153	2.04	0.312	NO
		Front Side	802.11b	98.0%	Level4	6/2437	20.00	17.00	0.084	2.04	0.172	NO
		Left Edge	802.11b	98.0%	Level4	6/2437	20.00	17.00	0.028	2.04	0.057	NO
		Right Edge	802.11b	98.0%	Level4	6/2437	20.00	17.00	0.024	2.04	0.048	NO
		Top Edge	802.11b	98.0%	Level4	6/2437	20.00	17.00	0.273	2.04	0.555	NO
	MIMO	Back Side	802.11b	98.0%	Level4	6/2437	23.51	19.51	0.319	2.56	0.819	NO
		Front Side	802.11b	98.0%	Level4	6/2437	23.51	19.51	0.143	2.56	0.366	NO
		Left Edge	802.11b	98.0%	Level4	6/2437	23.51	19.51	0.000	2.56	0.000	NO
		Right Edge	802.11b	98.0%	Level4	6/2437	23.51	19.51	0.098	2.56	0.251	NO
		Top Edge	802.11b	98.0%	Level4	6/2437	23.51	19.51	0.378	2.56	0.968	NO
U-NII-1	ANT 8	Back Side	802.11a	100.0%	Level4	36/5180	19.50	15.50	0.185	2.51	0.464	NO
		Front Side	802.11a	100.0%	Level4	36/5180	19.50	15.50	0.198	2.51	0.496	NO
		Left Edge	802.11a	100.0%	Level4	36/5180	19.50	15.50	0.027	2.51	0.069	NO
		Right Edge	802.11a	100.0%	Level4	36/5180	19.50	15.50	0.152	2.51	0.382	NO
		Top Edge	802.11a	100.0%	Level4	36/5180	19.50	15.50	0.320	2.51	0.803	NO
	MIMO	Back Side	802.11ac-VHT20	100.0%	Level4	40/5200	22.51	18.51	0.422	2.51	1.059	NO
		Front Side	802.11ac-VHT20	100.0%	Level4	40/5200	22.51	18.51	0.348	2.51	0.873	NO
		Left Edge	802.11ac-VHT20	100.0%	Level4	40/5200	22.51	18.51	0.000	2.51	0.000	NO
		Right Edge	802.11ac-VHT20	100.0%	Level4	40/5200	22.51	18.51	0.329	2.51	0.828	NO
		Top Edge	802.11ac-VHT20	100.0%	Level4	40/5200	22.51	18.51	0.502	2.51	1.261	YES
U-NII-2A	ANT 8	Back Side	802.11a	100.0%	Level4	52/5260	19.50	15.50	0.185	2.51	0.466	NO
		Front Side	802.11a	100.0%	Level4	52/5260	19.50	15.50	0.204	2.51	0.513	NO
		Left Edge	802.11a	100.0%	Level4	52/5260	19.50	15.50	0.032	2.51	0.081	NO
		Right Edge	802.11a	100.0%	Level4	52/5260	19.50	15.50	0.026	2.51	0.064	NO
		Top Edge	802.11a	100.0%	Level4	52/5260	19.50	15.50	0.337	2.51	0.847	NO
	MIMO	Back Side	802.11a	100.0%	Level4	52/5260	22.51	18.51	0.217	2.51	0.544	NO
		Front Side	802.11a	100.0%	Level4	52/5260	22.51	18.51	0.262	2.51	0.657	NO
		Left Edge	802.11a	100.0%	Level4	52/5260	22.51	18.51	0.041	2.51	0.103	NO
		Right Edge	802.11a	100.0%	Level4	52/5260	22.51	18.51	0.259	2.51	0.651	NO
		Top Edge	802.11a	100.0%	Level4	52/5260	22.51	18.51	0.354	2.51	0.889	NO
U-NII-2C	ANT 8	Back Side	802.11a	100.0%	Level4	100/5500	19.50	16.50	0.213	2.00	0.425	NO
		Front Side	802.11a	100.0%	Level4	100/5500	19.50	16.50	0.171	2.00	0.341	NO
		Left Edge	802.11a	100.0%	Level4	100/5500	19.50	16.50	0.060	2.00	0.120	NO
		Right Edge	802.11a	100.0%	Level4	100/5500	19.50	16.50	0.162	2.00	0.323	NO
		Top Edge	802.11a	100.0%	Level4	100/5500	19.50	16.50	0.251	2.00	0.501	NO
U-NII-3	ANT 8	Back Side	802.11a	100.0%	Level4	165/5825	19.50	16.50	0.414	2.00	0.827	NO
		Front Side	802.11a	100.0%	Level4	165/5825	19.50	16.50	0.310	2.00	0.619	NO
		Left Edge	802.11a	100.0%	Level4	165/5825	19.50	16.50	0.125	2.00	0.249	NO
		Right Edge	802.11a	100.0%	Level4	165/5825	19.50	16.50	0.323	2.00	0.644	NO



MIMO	Top Edge	802.11a	100.0%	Level4	165/5825	19.50	16.50	0.523	2.00	1.043	NO
	Back Side	802.11a	100.0%	Level4	149/5745	22.51	19.51	0.545	2.00	1.088	NO
	Front Side	802.11a	100.0%	Level4	149/5745	22.51	19.51	0.336	2.00	0.670	NO
	Left Edge	802.11a	100.0%	Level4	149/5745	22.51	19.51	0.163	2.00	0.324	NO
	Right Edge	802.11a	100.0%	Level4	149/5745	22.51	19.51	0.547	2.00	1.091	NO
	Top Edge	802.11a	100.0%	Level4	149/5745	22.51	19.51	0.573	2.00	1.143	NO

Product-specific 10g SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR10g (W/kg)	Plot No.
WCDMA II	Main (ANT 1)	Bottom Edge	0	RMC	Level6-D1	-	-	9400/1880	25.00	23.87	2.510	0.024	1.30	3.256	/
			0	RMC	Level6-D1	-	-	9262/1852.4	25.00	24.00	2.580	-0.017	1.26	3.248	/
			0	RMC	Level6-D1	-	-	9538/1907.6	25.00	23.89	2.620	0.010	1.29	3.383	117
WCDMA IV	Main (ANT 1)	Bottom Edge	0	RMC	Level6-D1	-	-	1413/1732.6	25.00	23.82	2.500	0.140	1.31	3.280	118
			0	RMC	Level6-D1	-	-	1312/1712.4	25.00	23.72	2.420	0.042	1.34	3.249	/
			0	RMC	Level6-D1	-	-	1513/1752.6	25.00	23.81	2.430	-0.090	1.32	3.196	/
LTE 2	Main (ANT 1)	Bottom Edge	0	QPSK	Level6-D1	1	99	18700/1860	25.00	24.32	2.740	0.045	1.17	3.204	119
			0	QPSK	Level6-D1	1	50	18900/1880	25.00	24.14	2.610	0.032	1.22	3.182	/
			0	QPSK	Level6-D1	1	99	19100/1900	25.00	24.16	2.560	0.029	1.21	3.106	/
			0	QPSK	Level6-D1	50%	25	18700/1860	24.00	23.38	2.140	-0.010	1.15	2.468	/
			0	QPSK	Level6-D1	50%	50	18900/1880	24.00	23.33	2.250	0.038	1.17	2.625	/
			0	QPSK	Level6-D1	50%	50	19100/1900	24.00	23.27	2.250	0.120	1.18	2.662	/
			0	QPSK	Level6-D1	100%	0	18700/1860	24.00	23.35	2.180	0.060	1.16	2.532	/
			0	QPSK	Level6-D1	100%	0	18900/1880	24.00	23.20	2.360	0.012	1.20	2.837	/
LTE 4	Main (ANT 1)	Back Side	0	QPSK	Level6-D1	1	99	20175/1732.5	25.00	24.18	2.480	0.048	1.21	2.995	/
			0	QPSK	Level6-D1	1	50	20050/1720	25.00	24.00	2.510	0.070	1.26	3.160	/
			0	QPSK	Level6-D1	1	99	20300/1745	25.00	24.10	2.450	0.029	1.23	3.014	/
			0	QPSK	Level6-D1	50%	50	20175/1732.5	24.00	23.46	2.190	-0.100	1.13	2.480	/
			0	QPSK	Level6-D1	50%	50	20050/1720	24.00	23.11	2.160	0.031	1.23	2.651	/
			0	QPSK	Level6-D1	50%	25	20300/1745	24.00	23.17	2.240	0.050	1.21	2.712	/
		Bottom Edge	0	QPSK	Level6-D1	1	99	20175/1732.5	25.00	24.18	2.420	0.020	1.21	2.923	/
			0	QPSK	Level6-D1	1	50	20050/1720	25.00	24.00	2.540	0.047	1.26	3.198	120
			0	QPSK	Level6-D1	1	99	20300/1745	25.00	24.10	2.510	0.011	1.23	3.088	/
			0	QPSK	Level6-D1	50%	50	20175/1732.5	24.00	23.46	2.190	0.039	1.13	2.480	/
			0	QPSK	Level6-D1	50%	50	20050/1720	24.00	23.11	2.200	0.020	1.23	2.700	/
			0	QPSK	Level6-D1	50%	25	20300/1745	24.00	23.17	2.070	-0.077	1.21	2.506	/
			0	QPSK	Level6-D1	100%	0	20300/1745	24.00	23.13	2.020	0.045	1.22	2.468	/
			0	QPSK	Level6-D1	100%	0	20050/1720	24.00	23.01	2.160	0.020	1.26	2.713	/
			0	QPSK	Level6-D1	100%	0	20175/1732.5	24.00	23.08	2.080	0.011	1.24	2.571	/
LTE 7	Main	Back Side	0	QPSK	Level6-D1	1	50	21350/2560	22.50	21.78	2.600	0.025	1.18	3.069	/



	(ANT 1)		0	QPSK	Level6-D1	1	0	20850/2510	22.50	21.62	2.480	-0.020	1.22	3.037	/		
			0	QPSK	Level6-D1	1	50	21100/2535	22.50	21.57	2.590	0.011	1.24	3.208	/		
			0	QPSK	Level6-D1	50%	25	21350/2560	21.50	20.91	2.060	-0.023	1.15	2.360	/		
			0	QPSK	Level6-D1	50%	50	20850/2510	21.50	20.88	1.950	0.011	1.15	2.249	/		
			0	QPSK	Level6-D1	50%	50	21100/2535	21.50	20.85	2.030	0.025	1.16	2.358	/		
			Bottom Edge	0	QPSK	Level6-D1	1	50	21350/2560	22.50	21.78	2.900	0.031	1.18	3.423	121	
				0	QPSK	Level6-D1	1	0	20850/2510	22.50	21.62	2.680	0.009	1.22	3.282	/	
				0	QPSK	Level6-D1	1	50	21100/2535	22.50	21.57	2.880	0.003	1.24	3.568	/	
				0	QPSK	Level6-D1	50%	25	21350/2560	21.50	20.91	2.440	0.011	1.15	2.795	/	
				0	QPSK	Level6-D1	50%	50	20850/2510	21.50	20.88	2.280	-0.023	1.15	2.630	/	
				0	QPSK	Level6-D1	50%	50	21100/2535	21.50	20.85	2.420	0.025	1.16	2.811	/	
				0	QPSK	Level6-D1	100%	0	21350/2560	21.50	20.92	2.440	-0.011	1.14	2.789	/	
				0	QPSK	Level6-D1	100%	0	20850/2510	21.50	20.75	2.150	0.070	1.19	2.555	/	
			Bottom Edge	SIM2	0	QPSK	Level6-D1	1	50	21100/2535	22.50	21.57	2.760	0.034	1.24	3.419	/
					0	QPSK	Level6-D1	1	0	21350/2560	22.50	21.78	2.630	0.058	1.18	3.104	/
1	99	21152/2540.2	/														
LTE B40	Main (ANT 1)	Bottom Edge	0	QPSK	Level6-D1	1	0	39600/2395	25.00	24.34	2.480	0.069	1.16	2.887	/		
			0	QPSK	Level6-D1	1	0	39150/2350	25.00	24.30	2.510	0.020	1.17	2.949	122		
			0	QPSK	Level6-D1	1	0	38700/2305	25.00	24.06	2.070	-0.034	1.24	2.570	/		
			0	QPSK	Level6-D1	50%	0	39150/2350	24.00	23.28	1.950	0.000	1.18	2.302	/		
			0	QPSK	Level6-D1	50%	0	38700/2305	24.00	23.00	1.780	0.035	1.26	2.241	/		
			0	QPSK	Level6-D1	50%	0	39600/2395	24.00	23.25	2.130	0.090	1.19	2.532	/		
			0	QPSK	Level6-D1	100%	0	39150/2350	24.00	23.27	1.680	0.024	1.18	1.988	/		
LTE B41	Main (ANT 1)	Bottom Edge	0	QPSK	Level6-D1	1	0	41055/2636.5	24.50	23.87	2.870	0.017	1.16	3.318	123		
			0	QPSK	Level6-D1	1	50	41490/2680	24.50	23.81	2.690	-0.011	1.17	3.153	/		
			0	QPSK	Level6-D1	1	99	40620/2593	24.50	23.81	2.570	0.030	1.17	3.013	/		
			0	QPSK	Level6-D1	50%	50	40620/2593	23.50	22.97	2.350	0.032	1.13	2.655	/		
			0	QPSK	Level6-D1	50%	25	40185/2549.5	23.50	22.91	2.480	-0.080	1.15	2.841	/		
			0	QPSK	Level6-D1	50%	50	40620/2593	23.50	22.88	2.190	0.016	1.15	2.526	/		
			0	QPSK	Level6-D1	100%	0	40620/2593	23.50	22.84	2.280	0.012	1.16	2.654	/		
			0	QPSK	Level6-D1	100%	0	40185/2549.5	23.50	22.82	2.510	0.020	1.17	2.935	/		
		Bottom Edge	0	QPSK	Level6-D1	1	99	39750/2506	24.50	23.77	2.520	-0.020	1.18	2.981	/		
						1	0	39948/2525.8							/		
LTE 66	DIV (ANT 1)	Left Edge	0	QPSK	Level6-D1	1	0	132322/1745	25.00	24.25	2.580	-0.100	1.19	3.066	/		
			0	QPSK	Level6-D1	1	50	132072/1720	25.00	24.16	2.650	0.100	1.21	3.215	124		
			0	QPSK	Level6-D1	1	0	132572/1770	25.00	24.17	2.430	0.026	1.21	2.942	/		
			0	QPSK	Level6-D1	50%	0	132572/1770	24.00	23.19	2.130	0.040	1.21	2.567	/		
			0	QPSK	Level6-D1	50%	25	132072/1720	24.00	23.28	2.080	0.012	1.18	2.455	/		
			0	QPSK	Level6-D1	50%	0	132322/1745	24.00	23.23	2.010	-0.130	1.19	2.400	/		
			0	QPSK	Level6-D1	100%	0	132572/1770	24.00	23.13	2.210	0.025	1.22	2.700	/		



Main (ANT 2)	Left Edge	0	QPSK	Level6-D1	100%	0	132072/1720	24.00	23.29	2.470	0.030	1.18	2.909	/
		0	QPSK	Level6-D1	100%	0	132322/1745	24.00	23.15	2.180	0.027	1.22	2.651	/
		0	QPSK	Level3	1	0	132322/1745	25.00	24.25	2.250	0.061	1.19	2.674	/
		0	QPSK	Level3	1	50	132072/1720	25.00	24.16	2.340	0.080	1.21	2.839	/
		0	QPSK	Level3	1	0	132572/1770	25.00	24.17	2.270	0.080	1.21	2.748	/
		0	QPSK	Level3	50%	25	132072/1720	24.00	23.28	2.010	0.010	1.18	2.372	/
		0	QPSK	Level3	50%	0	132322/1745	24.00	23.23	1.830	0.022	1.19	2.185	/
		0	QPSK	Level3	50%	0	132572/1770	24.00	23.19	1.790	0.047	1.21	2.157	/
		0	QPSK	Level3	100%	0	132072/1720	24.00	23.29	1.970	-0.100	1.18	2.320	/
		0	QPSK	Level3	100%	0	132322/1745	24.00	23.15	1.940	-0.062	1.22	2.359	/
0	QPSK	Level3	100%	0	132572/1770	24.00	23.13	2.050	-0.090	1.22	2.505	/		

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g	Power Drift (dB)	Scaling Factor	Report SAR10g	Plot No.
n7	Main ANT1	Bottom Edge	0	SA	DFT-s-OFDM QPSK	Level6-D1	1	104	502000/2510	22.00	21.26	2.910	0.194	1.19	3.451	125
					DFT-s-OFDM QPSK	Level6-D1	50%	25	507000/2535	22.00	21.18	2.750	0.010	1.21	3.321	/
					DFT-s-OFDM QPSK	Level6-D1	50%	25	502000/2510	22.00	21.14	2.560	0.032	1.22	3.121	/
					DFT-s-OFDM QPSK	Level6-D1	50%	25	512000/2560	22.00	21.14	2.490	0.090	1.22	3.035	/
					DFT-s-OFDM QPSK	Level6-D1	1	104	507000/2535	22.00	21.23	2.710	0.014	1.19	3.236	/
					DFT-s-OFDM QPSK	Level6-D1	1	104	512000/2560	22.00	21.24	2.850	-0.050	1.19	3.395	/
					DFT-s-OFDM QPSK	Level6-D1	100%	0	507000/2535	22.00	21.19	2.450	-0.016	1.21	2.952	/
					DFT-s-OFDM QPSK	Level6-D1	100%	0	502000/2510	22.00	20.80	2.560	-0.090	1.32	3.375	/
					DFT-s-OFDM QPSK	Level6-D1	100%	0	512000/2560	22.00	20.79	2.350	0.022	1.32	3.105	/
					CP-OFDM QPSK	Level6-D1	1	1	512000/2560	22.00	21.51	2.590	0.170	1.12	2.899	/
n41	Main ANT3	Left Edge	0	SA&	DFT-s-OFDM QPSK	Level3	1	271	518598/2592.99	20.50	20.09	1.490	0.010	1.10	1.638	/
				NSA	DFT-s-OFDM QPSK	Level3	50%	67	528000/2640	20.50	20.23	1.530	0.021	1.06	1.628	126
n78	Main ANT3	Back Side	0	SA&	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	20.00	19.00	0.913	-0.011	1.26	1.149	/
					DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	20.00	18.90	0.977	0.017	1.29	1.259	/
		Left Edge	0	SA&	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	20.00	19.00	0.865	0.044	1.26	1.089	/
				NSA	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	20.00	18.90	0.914	0.090	1.29	1.177	/
		Back Side	0	SA&	DFT-s-OFDM QPSK	Level3	1	271	650000/3750	20.00	19.00	0.742	0.011	1.26	0.934	/
					DFT-s-OFDM QPSK	Level3	50%	67	650000/3750	20.00	18.90	1.020	-0.021	1.29	1.314	127

Band	Antenna	Test Position	Dist. (mm)	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR10g (W/kg)	Plot No.
U-NII-1	MIMO	Top Edge	0	802.11ac-VHT20	100.0%	Level3	36/5180	22.51	21.39	1.250	0.148	1.29	1.617	128



Additional SAR test at a conservative distance (triggering distance minus 1mm)

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g	Power Drift (dB)	Scaling Factor	Report SAR10g
LTE 7	Main (ANT 1)	Back Side	7	QPSK	Level6-D2	1	99	21100/2535	25.00	24.36	1.530	0.026	1.16	0.920
			7	QPSK	Level6-D2	50%	25	21350/2560	24.00	23.51	0.752	-0.040	1.12	0.842
		Bottom Edge	7	QPSK	Level6-D2	1	99	21100/2535	25.00	24.36	1.450	0.011	1.16	1.680
			7	QPSK	Level6-D2	50%	25	21350/2560	24.00	23.51	2.590	0.090	1.12	1.388
LTE B41	Main (ANT 1)	Bottom Edge	7	QPSK	Level6-D2	1	0	41055/2636.5	26.00	25.69	0.918	-0.012	1.07	0.986
			7	QPSK	Level6-D2	50%	25	41055/2636.5	25.00	24.68	0.737	0.039	1.08	0.793

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g	Power Drift (dB)	Scaling Factor	Report SAR10g
n7	Main ANT1	Bottom Edge	7	SA	DFT-s-OFDM QPSK	Level3	1	104	502000/2510	23.00	22.60	0.957	0.021	1.10	1.049
			7		DFT-s-OFDM QPSK	Level3	50%	25	507000/2535	23.00	22.49	0.963	0.010	1.12	1.083

SAR for Simultaneous

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)
WCDMA II	DIV (ANT 4)	Right cheek	0	RMC 12.2K	Level2	-	-	9400/1880	19.50	18.40	0.618	0.011	1.29	0.796
WCDMA IV	DIV (ANT 4)	Left cheek	0	RMC 12.2K	Level2	-	-	1413/1732.6	19.50	18.72	0.392	-0.080	1.20	0.469
		Right cheek	0	RMC 12.2K	Level2	-	-	1413/1732.6	19.50	18.72	0.578	0.042	1.20	0.692
LTE 2	DIV (ANT 4)	Right cheek	0	QPSK	Level2	1	0	18900/1880	19.50	18.61	0.647	0.025	1.23	0.794
			0	QPSK	Level2	50%	25	18900/1880	18.50	17.72	0.538	0.000	1.20	0.644
LTE 4	DIV (ANT 4)	Left cheek	0	QPSK	Level2	1	0	20175/1732.5	19.50	18.63	0.312	0.020	1.22	0.381
			0	QPSK	Level2	50%	0	20300/1745	18.50	17.67	0.254	-0.160	1.21	0.307
		Right cheek	0	QPSK	Level2	1	0	20175/1732.5	19.50	18.63	0.512	-0.030	1.22	0.626
			0	QPSK	Level2	50%	0	20300/1745	18.50	17.67	0.447	0.015	1.21	0.541
LTE 7	DIV (ANT 4)	Right cheek	0	QPSK	Level2	1	50	21100/2535	18.00	16.80	0.652	0.080	1.32	0.860
			0	QPSK	Level2	50%	25	21350/2560	17.00	15.91	0.474	0.077	1.29	0.609
LTE 40	DIV (ANT 4)	Right cheek	0	QPSK	Level2	1	0	39150/2350	21.50	20.42	0.732	-0.042	1.28	0.939
			0	QPSK	Level2	50%	25	39150/2350	20.50	19.46	0.716	0.019	1.27	0.910
		Right Tilt	0	QPSK	Level2	1	0	39150/2350	21.50	20.42	0.684	0.175	1.28	0.877
			0	QPSK	Level2	50%	25	39150/2350	20.50	19.46	0.552	0.038	1.27	0.701
LTE 41	DIV (ANT 4)	Left cheek	0	QPSK	Level2	1	0	41055/2636.5	21.50	20.16	0.432	0.015	1.36	0.588
			0	QPSK	Level2	50%	50	41055/2636.5	20.50	19.18	0.328	0.080	1.36	0.445
		Left Tilt	0	QPSK	Level2	1	0	41055/2636.5	21.50	20.16	0.482	-0.026	1.36	0.656
			0	QPSK	Level2	50%	50	41055/2636.5	20.50	19.18	0.386	0.024	1.36	0.523
		Right cheek	0	QPSK	Level2	1	0	41055/2636.5	21.50	20.16	0.726	0.010	1.36	0.988
			0	QPSK	Level2	50%	50	41055/2636.5	20.50	19.18	0.615	-0.049	1.36	0.833



LTE 66	Right Tilt	0	QPSK	Level2	1	0	41055/2636.5	21.50	20.16	0.654	0.030	1.36	0.890	
		0	QPSK	Level2	50%	50	41055/2636.5	20.50	19.18	0.532	-0.070	1.36	0.721	
	Main (ANT 2)	Left cheek	0	QPSK	Level2	1	0	132322/1745	23.00	22.20	0.448	-0.010	1.20	0.539
			0	QPSK	Level2	50%	25	132072/1720	22.00	21.21	0.402	0.020	1.20	0.482
		Right cheek	0	QPSK	Level2	1	0	132322/1745	23.00	22.20	0.721	0.020	1.20	0.867
			0	QPSK	Level2	50%	25	132072/1720	22.00	21.21	0.608	-0.010	1.20	0.729
	Mas (ANT 4)	Left cheek	0	QPSK	Level2	1	0	132322/1745	19.50	18.54	0.375	0.025	1.25	0.468
			0	QPSK	Level2	50%	25	132072/1720	18.50	17.15	0.289	0.081	1.36	0.394
		Right cheek	0	QPSK	Level2	1	0	132322/1745	19.50	18.54	0.673	0.025	1.25	0.839
			0	QPSK	Level2	50%	25	132072/1720	18.50	17.15	0.485	0.081	1.36	0.662

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)
n2	Div ANT 4	Right cheek	0	SA	DFT-s-OFDM QPSK	Level2	1	1	380000/1900	20.50	19.34	0.762	0.023	1.31	0.995
			0		DFT-s-OFDM QPSK	Level2	50%	25	376000/1880	20.50	19.36	0.785	0.016	1.30	1.021

Band	Antenna	Test Position	Dist. (mm)	Mode	Duty Cycle	Power Reduction	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)
U-NII-1	ANT 8	Left cheek	0	802.11a	100.0%	Level1	36/5180	10.50	9.43	0.284	0.024	1.28	0.363
		Left Tilt	0	802.11a	100.0%	Level1	36/5180	10.50	9.43	0.196	-0.017	1.28	0.251
		Right cheek	0	802.11a	100.0%	Level1	36/5180	10.50	9.43	0.113	0.010	1.28	0.145
		Right Tilt	0	802.11a	100.0%	Level1	36/5180	10.50	9.43	0.105	0.020	1.28	0.134
	MIMO	Left cheek	0	802.11n HT20	100.0%	Level2	36/5180	13.51	12.32	0.369	-0.189	1.32	0.485
		Left Tilt	0	802.11n HT20	100.0%	Level2	36/5180	13.51	12.32	0.259	0.023	1.32	0.341
		Right cheek	0	802.11n HT20	100.0%	Level2	36/5180	13.51	12.32	0.142	-0.090	1.32	0.187
		Right Tilt	0	802.11n HT20	100.0%	Level2	36/5180	13.51	12.32	0.165	0.120	1.32	0.217
U-NII-2A	ANT 8	Left cheek	0	802.11a	100.0%	Level1	64/5320	11.50	10.32	0.278	0.010	1.31	0.365
		Left Tilt	0	802.11a	100.0%	Level1	64/5320	11.50	10.32	0.183	0.021	1.31	0.240
		Right cheek	0	802.11a	100.0%	Level1	64/5320	11.50	10.32	0.074	-0.050	1.31	0.097
		Right Tilt	0	802.11a	100.0%	Level1	64/5320	11.50	10.32	0.086	0.000	1.31	0.113
	MIMO	Left cheek	0	802.11a	100.0%	Level2	52/5260	13.51	12.32	0.325	0.123	1.32	0.427
		Left Tilt	0	802.11a	100.0%	Level2	52/5260	13.51	12.32	0.285	0.000	1.32	0.375
		Right cheek	0	802.11a	100.0%	Level2	52/5260	13.51	12.32	0.123	0.020	1.32	0.162
		Right Tilt	0	802.11a	100.0%	Level2	52/5260	13.51	12.32	0.141	0.049	1.32	0.185
U-NII-2C	ANT 8	Left cheek	0	802.11a	100.0%	Level1	100/5500	14.50	13.20	0.291	0.010	1.35	0.393
		Left Tilt	0	802.11a	100.0%	Level1	100/5500	14.50	13.20	0.218	-0.090	1.35	0.294
		Right cheek	0	802.11a	100.0%	Level1	100/5500	14.50	13.20	0.085	0.000	1.35	0.115
		Right Tilt	0	802.11a	100.0%	Level1	100/5500	14.50	13.20	0.091	0.011	1.35	0.123
	MIMO	Left cheek	0	802.11a	100.0%	Level2	144/5720	16.51	15.57	0.395	0.011	1.24	0.490
		Left Tilt	0	802.11a	100.0%	Level2	144/5720	16.51	15.57	0.342	-0.060	1.24	0.425
		Right cheek	0	802.11a	100.0%	Level2	144/5720	16.51	15.57	0.178	0.040	1.24	0.221
		Right Tilt	0	802.11a	100.0%	Level2	144/5720	16.51	15.57	0.195	0.140	1.24	0.242



U-NII-3	ANT 8	Left cheek	0	802.11a	100.0%	Level1	165/5825	14.50	13.53	0.097	0.010	1.25	0.121
		Left Tilt	0	802.11a	100.0%	Level1	165/5825	14.50	13.53	0.091	-0.011	1.25	0.114
		Right cheek	0	802.11a	100.0%	Level1	165/5825	14.50	13.53	0.064	0.023	1.25	0.080
		Right Tilt	0	802.11a	100.0%	Level1	165/5825	14.50	13.53	0.091	0.024	1.25	0.114
	MIMO	Left cheek	0	802.11a	100.0%	Level2	165/5825	16.51	15.70	0.377	0.028	1.21	0.454
		Left Tilt	0	802.11a	100.0%	Level2	165/5825	16.51	15.70	0.328	-0.062	1.21	0.395
		Right cheek	0	802.11a	100.0%	Level2	165/5825	16.51	15.70	0.169	0.031	1.21	0.204
		Right Tilt	0	802.11a	100.0%	Level2	165/5825	16.51	15.70	0.207	0.025	1.21	0.249



10dBm SAR Evaluation
Head SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)
LTE 2	Main (ANT 1)	Left cheek	0	QPSK	Level1	1	99	18700/1860	10.00	25.00	0.253	0.03	0.008
			0	QPSK	Level1	50%	25	18700/1860	10.00	24.00	0.217	0.04	0.009
		Left Tilt	0	QPSK	Level1	1	99	18700/1860	10.00	25.00	0.050	0.03	0.002
			0	QPSK	Level1	50%	25	18700/1860	10.00	24.00	0.041	0.04	0.002
		Right cheek	0	QPSK	Level1	1	99	18700/1860	10.00	25.00	0.170	0.03	0.005
			0	QPSK	Level1	50%	25	18700/1860	10.00	24.00	0.136	0.04	0.005
	Right Tilt	0	QPSK	Level1	1	99	18700/1860	10.00	25.00	0.108	0.03	0.003	
		0	QPSK	Level1	50%	25	18700/1860	10.00	24.00	0.093	0.04	0.004	
	DIV (ANT 4)	Left cheek	0	QPSK	Level1	1	0	19100/1900	10.00	20.50	0.429	0.09	0.038
			0	QPSK	Level1	50%	25	18700/1860	10.00	19.50	0.375	0.11	0.042
		Left Tilt	0	QPSK	Level1	1	0	19100/1900	10.00	20.50	0.358	0.09	0.032
			0	QPSK	Level1	50%	25	18700/1860	10.00	19.50	0.290	0.11	0.032
		Right cheek	0	QPSK	Level1	1	0	19100/1900	10.00	20.50	0.956	0.09	0.085
			0	QPSK	Level1	1	0	18700/1860	10.00	20.50	0.952	0.09	0.085
0			QPSK	Level1	1	0	18900/1880	10.00	20.50	0.899	0.09	0.080	
0			QPSK	Level1	50%	25	18700/1860	10.00	19.50	0.784	0.11	0.088	
Right Tilt	0	QPSK	Level1	1	0	18900/1880	10.00	19.50	0.797	0.11	0.089		
	0	QPSK	Level1	100%	0	19100/1900	10.00	20.50	0.636	0.09	0.057		
0	QPSK	Level1	100%	0	19100/1900	10.00	20.50	0.564	0.09	0.050			
LTE 5	Main (ANT 0)	Left cheek	0	QPSK	Level1	1	0	20450/829	10.00	25.00	0.139	0.03	0.004
			0	QPSK	Level1	50%	25	20525/836.5	10.00	24.00	0.126	0.04	0.005
		Left Tilt	0	QPSK	Level1	1	0	20450/829	10.00	25.00	0.040	0.03	0.001
			0	QPSK	Level1	50%	25	20525/836.5	10.00	24.00	0.032	0.04	0.001
		Right cheek	0	QPSK	Level1	1	0	20450/829	10.00	25.00	0.119	0.03	0.004
			0	QPSK	Level1	50%	25	20525/836.5	10.00	24.00	0.104	0.04	0.004
	Right Tilt	0	QPSK	Level1	1	0	20450/829	10.00	25.00	0.067	0.03	0.002	
		0	QPSK	Level1	50%	25	20525/836.5	10.00	24.00	0.060	0.04	0.002	
	DIV (ANT 6)	Left cheek	0	QPSK	Level1	1	49	20450/829	10.00	23.00	0.423	0.05	0.021
			0	QPSK	Level1	50%	13	20525/836.5	10.00	22.00	0.334	0.06	0.021
		Left Tilt	0	QPSK	Level1	1	49	20450/829	10.00	23.00	0.341	0.05	0.017
			0	QPSK	Level1	50%	13	20525/836.5	10.00	22.00	0.287	0.06	0.018
		Right cheek	0	QPSK	Level1	1	49	20450/829	10.00	23.00	0.540	0.05	0.027
			0	QPSK	Level1	50%	13	20525/836.5	10.00	22.00	0.459	0.06	0.029
Right Tilt	0	QPSK	Level1	1	49	20450/829	10.00	23.00	0.429	0.05	0.021		
	0	QPSK	Level1	50%	13	20525/836.5	10.00	22.00	0.358	0.06	0.023		
LTE 7	Main (ANT 1)	Left cheek	0	QPSK	Level1	1	99	21100/2535	10.00	25.00	0.374	0.03	0.012
			0	QPSK	Level1	50%	25	21350/2560	10.00	24.00	0.329	0.04	0.013
		Left Tilt	0	QPSK	Level1	1	99	21100/2535	10.00	25.00	0.117	0.03	0.004
			0	QPSK	Level1	50%	25	21350/2560	10.00	24.00	0.080	0.04	0.003



LTE 12	DIV (ANT 4)	Right cheek	0	QPSK	Level1	1	99	21100/2535	10.00	25.00	0.162	0.03	0.005
			0	QPSK	Level1	50%	25	21350/2560	10.00	24.00	0.161	0.04	0.006
		Right Tilt	0	QPSK	Level1	1	99	21100/2535	10.00	25.00	0.111	0.03	0.004
			0	QPSK	Level1	50%	25	21350/2560	10.00	24.00	0.084	0.04	0.003
		Left cheek	0	QPSK	Level1	1	99	21350/2560	10.00	19.00	0.501	0.13	0.063
			0	QPSK	Level1	50%	50	21350/2560	10.00	18.00	0.362	0.16	0.057
		Left Tilt	0	QPSK	Level1	1	99	21350/2560	10.00	19.00	0.479	0.13	0.060
			0	QPSK	Level1	50%	50	21350/2560	10.00	18.00	0.339	0.16	0.054
		Right cheek	0	QPSK	Level1	1	99	21350/2560	10.00	19.00	0.964	0.13	0.121
			0	QPSK	Level1	1	99	20850/2510	10.00	19.00	0.906	0.13	0.114
	0		QPSK	Level1	1	99	21100/2535	10.00	19.00	0.934	0.13	0.118	
	0		QPSK	Level1	50%	50	21350/2560	10.00	18.00	0.740	0.16	0.117	
	0		QPSK	Level1	####	0	21100/2535	10.00	18.00	0.725	0.16	0.115	
	Right Tilt	0	QPSK	Level1	1	99	21350/2560	10.00	19.00	0.714	0.13	0.090	
		0	QPSK	Level1	50%	50	21350/2560	10.00	18.00	0.529	0.16	0.084	
	Right cheek	0	QPSK	Level1	1	99	20850/2510	10.00	19.00	0.757	0.13	0.095	
					1	0	21048/2529.8						
	Main (ANT 0)	Left cheek	0	QPSK	Level1	1	49	23095/707.5	10.00	25.00	0.017	0.03	0.001
			0	QPSK	Level1	50%	25	23130/711	10.00	24.00	0.025	0.04	0.001
			Left Tilt	0	QPSK	Level1	1	49	23095/707.5	10.00	25.00	0.012	0.03
0				QPSK	Level1	50%	25	23130/711	10.00	24.00	0.009	0.04	0.000
Right cheek		0	QPSK	Level1	1	49	23095/707.5	10.00	25.00	0.052	0.03	0.002	
		0	QPSK	Level1	50%	25	23130/711	10.00	24.00	0.043	0.04	0.002	
Right Tilt		0	QPSK	Level1	1	49	23095/707.5	10.00	25.00	0.013	0.03	0.000	
		0	QPSK	Level1	50%	25	23130/711	10.00	24.00	0.011	0.04	0.000	
Left cheek		0	QPSK	Level1	1	0	23060/704	10.00	23.00	0.243	0.05	0.012	
		0	QPSK	Level1	50%	13	23060/704	10.00	22.00	0.230	0.06	0.015	
		Left Tilt	0	QPSK	Level1	1	0	23060/704	10.00	23.00	0.224	0.05	0.011
			0	QPSK	Level1	50%	13	23060/704	10.00	22.00	0.208	0.06	0.013
		Right cheek	0	QPSK	Level1	1	0	23060/704	10.00	23.00	0.285	0.05	0.014
			0	QPSK	Level1	50%	13	23060/704	10.00	22.00	0.319	0.06	0.020
Right Tilt	0	QPSK	Level1	1	0	23060/704	10.00	23.00	0.318	0.05	0.016		
	0	QPSK	Level1	50%	13	23060/704	10.00	22.00	0.265	0.06	0.017		
LTE 28A	Main (ANT 0)	Left cheek	0	QPSK	Level1	1	99	27310/713	10.00	25.00	0.010	0.03	0.000
			0	QPSK	Level1	50%	50	27310/713	10.00	24.00	0.005	0.04	0.000
		Left Tilt	0	QPSK	Level1	1	99	27310/713	10.00	25.00	0.002	0.03	0.000
			0	QPSK	Level1	50%	50	27310/713	10.00	24.00	0.002	0.04	0.000
		Right cheek	0	QPSK	Level1	1	99	27310/713	10.00	25.00	0.034	0.03	0.001
			0	QPSK	Level1	50%	50	27310/713	10.00	24.00	0.023	0.04	0.001
	Right Tilt	0	QPSK	Level1	1	99	27310/713	10.00	25.00	0.022	0.03	0.001	
		0	QPSK	Level1	50%	50	27310/713	10.00	24.00	0.014	0.04	0.001	
	DIV (ANT 6)	Left cheek	0	QPSK	Level1	1	50	27410/723	10.00	23.00	0.100	0.05	0.005
			0	QPSK	Level1	50%	50	27360/718	10.00	22.00	0.079	0.06	0.005



LTE 28B	Main (ANT 0)	Left Tilt	0	QPSK	Level1	1	50	27410/723	10.00	23.00	0.090	0.05	0.005	
			0	QPSK	Level1	50%	50	27360/718	10.00	22.00	0.069	0.06	0.004	
		Right cheek	0	QPSK	Level1	1	50	27410/723	10.00	23.00	0.119	0.05	0.006	
			0	QPSK	Level1	50%	50	27360/718	10.00	22.00	0.095	0.06	0.006	
		Right Tilt	0	QPSK	Level1	1	50	27410/723	10.00	23.00	0.148	0.05	0.007	
			0	QPSK	Level1	50%	50	27360/718	10.00	22.00	0.114	0.06	0.007	
	LTE 28B	Main (ANT 0)	Left cheek	0	QPSK	Level1	1	99	27460/728	10.00	25.00	0.080	0.03	0.003
				0	QPSK	Level1	50%	50	27460/728	10.00	24.00	0.050	0.04	0.002
			Left Tilt	0	QPSK	Level1	1	99	27460/728	10.00	25.00	0.040	0.03	0.001
				0	QPSK	Level1	50%	50	27460/728	10.00	24.00	0.029	0.04	0.001
			Right cheek	0	QPSK	Level1	1	99	27460/728	10.00	25.00	0.068	0.03	0.002
				0	QPSK	Level1	50%	50	27460/728	10.00	24.00	0.050	0.04	0.002
Right Tilt		0	QPSK	Level1	1	99	27460/728	10.00	25.00	0.048	0.03	0.002		
		0	QPSK	Level1	50%	50	27460/728	10.00	24.00	0.038	0.04	0.002		
DIV (ANT 6)		Left cheek	0	QPSK	Level1	1	99	27560/738	10.00	23.00	0.163	0.05	0.008	
			0	QPSK	Level1	50%	50	27560/738	10.00	22.00	0.121	0.06	0.008	
		Left Tilt	0	QPSK	Level1	1	99	27560/738	10.00	23.00	0.165	0.05	0.008	
			0	QPSK	Level1	50%	50	27560/738	10.00	22.00	0.124	0.06	0.008	
	Right cheek	0	QPSK	Level1	1	99	27560/738	10.00	23.00	0.228	0.05	0.011		
		0	QPSK	Level1	50%	50	27560/738	10.00	22.00	0.159	0.06	0.010		
Right Tilt	0	QPSK	Level1	1	99	27560/738	10.00	23.00	0.210	0.05	0.011			
	0	QPSK	Level1	50%	50	27560/738	10.00	22.00	0.148	0.06	0.009			
LTE 66	Main (ANT 2)	Left cheek	0	QPSK	Level1	1	0	132322/1745	10.00	23.00	0.471	0.05	0.024	
			0	QPSK	Level1	50%	0	132322/1745	10.00	22.00	0.502	0.06	0.032	
		Left Tilt	0	QPSK	Level1	1	0	132322/1745	10.00	23.00	0.286	0.05	0.014	
			0	QPSK	Level1	50%	0	132322/1745	10.00	22.00	0.254	0.06	0.016	
		Right cheek	0	QPSK	Level1	1	0	132322/1745	10.00	23.00	0.843	0.05	0.042	
			0	QPSK	Level1	1	50	132072/1720	10.00	23.00	0.913	0.05	0.046	
	0		QPSK	Level1	1	0	132572/1770	10.00	23.00	0.863	0.05	0.043		
	0		QPSK	Level1	50%	0	132322/1745	10.00	22.00	0.735	0.06	0.046		
	Right Tilt	0	QPSK	Level1	1	0	132322/1745	10.00	23.00	0.310	0.05	0.016		
		0	QPSK	Level1	50%	0	132322/1745	10.00	22.00	0.268	0.06	0.017		
	DIV (ANT 1)	Left cheek	0	QPSK	Level1	1	0	132572/1770	10.00	25.00	0.077	0.03	0.002	
			0	QPSK	Level1	50%	50	132572/1770	10.00	24.00	0.061	0.04	0.002	
		Left Tilt	0	QPSK	Level1	1	0	132572/1770	10.00	25.00	0.079	0.03	0.002	
			0	QPSK	Level1	50%	50	132572/1770	10.00	24.00	0.061	0.04	0.002	
		Right cheek	0	QPSK	Level1	1	0	132572/1770	10.00	25.00	0.124	0.03	0.004	
			0	QPSK	Level1	50%	50	132572/1770	10.00	24.00	0.089	0.04	0.004	
	Right Tilt	0	QPSK	Level1	1	0	132572/1770	10.00	25.00	0.033	0.03	0.001		
		0	QPSK	Level1	50%	50	132572/1770	10.00	24.00	0.025	0.04	0.001		
Mas (ANT 4)	Left cheek	0	QPSK	Level1	1	99	132322/1745	10.00	20.00	0.493	0.10	0.049		
		0	QPSK	Level1	50%	25	132072/1720	10.00	19.00	0.468	0.13	0.059		



		Left Tilt	0	QPSK	Level1	1	99	132322/1745	10.00	20.00	0.390	0.10	0.039
			0	QPSK	Level1	50%	25	132072/1720	10.00	19.00	0.387	0.13	0.049
		Right cheek	0	QPSK	Level1	1	99	132322/1745	10.00	20.00	0.924	0.10	0.092
			0	QPSK	Level1	1	99	132072/1720	10.00	20.00	0.892	0.10	0.089
			0	QPSK	Level1	1	0	132572/1770	10.00	20.00	0.888	0.10	0.089
			0	QPSK	Level1	50%	25	132072/1720	10.00	19.00	0.673	0.13	0.085
		Right Tilt	0	QPSK	Level1	1	99	132322/1745	10.00	20.00	0.507	0.10	0.051
			0	QPSK	Level1	50%	25	132072/1720	10.00	19.00	0.493	0.13	0.062

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)
n5	Main ANT 0	Left cheek	0	SA&NSA	DFT-s-OFDM QPSK	Level1	1	1	167800/839	10.00	24.00	0.085	0.04	0.003
			0		DFT-s-OFDM QPSK	Level1	50%	25	166800/834	10.00	24.00	0.084	0.04	0.003
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	167800/839	10.00	24.00	0.051	0.04	0.002
			0		DFT-s-OFDM QPSK	Level1	50%	25	166800/834	10.00	24.00	0.051	0.04	0.002
		Right cheek	0		DFT-s-OFDM QPSK	Level1	1	1	167800/839	10.00	24.00	0.095	0.04	0.004
			0		DFT-s-OFDM QPSK	Level1	50%	25	166800/834	10.00	24.00	0.103	0.04	0.004
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	167800/839	10.00	24.00	0.050	0.04	0.002
			0		DFT-s-OFDM QPSK	Level1	50%	25	166800/834	10.00	24.00	0.053	0.04	0.002
	Div ANT 6	Left cheek	0		DFT-s-OFDM QPSK	Level1	1	1	166800/834	10.00	22.00	0.313	0.06	0.020
			0		DFT-s-OFDM QPSK	Level1	50%	25	167800/839	10.00	22.00	0.336	0.06	0.021
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	166800/834	10.00	22.00	0.284	0.06	0.018
			0		DFT-s-OFDM QPSK	Level1	50%	25	167800/839	10.00	22.00	0.302	0.06	0.019
		Right cheek	0		DFT-s-OFDM QPSK	Level1	1	1	166800/834	10.00	22.00	0.408	0.06	0.026
			0		DFT-s-OFDM QPSK	Level1	50%	25	167800/839	10.00	22.00	0.379	0.06	0.024
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	166800/834	10.00	22.00	0.373	0.06	0.024
			0		DFT-s-OFDM QPSK	Level1	50%	25	167800/839	10.00	22.00	0.371	0.06	0.023
n41	Main ANT 3	Left cheek	0	SA	DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	10.00	20.50	0.212	0.09	0.019
			0		DFT-s-OFDM QPSK	Level1	50%	67	528000/2640	10.00	20.50	0.272	0.09	0.024
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	10.00	20.50	0.098	0.09	0.009
			0		DFT-s-OFDM QPSK	Level1	50%	67	528000/2640	10.00	20.50	0.186	0.09	0.017
		Right cheek	0		DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	10.00	20.50	0.717	0.09	0.064
			0		DFT-s-OFDM QPSK	Level1	50%	67	528000/2640	10.00	20.50	0.795	0.09	0.071
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	271	518598/2592.99	10.00	20.50	0.185	0.09	0.016
			0		DFT-s-OFDM QPSK	Level1	50%	67	528000/2640	10.00	20.50	0.267	0.09	0.024
n66	Main ANT 2	Left cheek	0	SA	DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	21.50	0.438	0.07	0.031
			0		DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	10.00	21.50	0.442	0.07	0.031
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	21.50	0.168	0.07	0.012
			0		DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	10.00	21.50	0.161	0.07	0.011
		Right cheek	0		DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	21.50	0.938	0.07	0.066
			0		DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	21.50	0.851	0.07	0.060



n77	Main ANT 2		0	NSA	DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	21.50	0.807	0.07	0.057
			0		DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	10.00	21.50	0.676	0.07	0.048
		0	DFT-s-OFDM QPSK		Level1	100%	0	353000/1765	10.00	21.50	0.779	0.07	0.055	
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	21.50	0.277	0.07	0.020
			0		DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	10.00	21.50	0.310	0.07	0.022
		Left cheek	0		DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	20.50	0.351	0.09	0.031
			0		DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	10.00	20.50	0.383	0.09	0.034
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	20.50	0.152	0.09	0.014
	0		DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	10.00	20.50	0.125	0.09	0.011		
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	20.50	0.762	0.09	0.068		
		0	DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	10.00	20.50	0.579	0.09	0.052		
	Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	353000/1765	10.00	20.50	0.186	0.09	0.017		
		0	DFT-s-OFDM QPSK	Level1	50%	40	353000/1765	10.00	20.50	0.230	0.09	0.020		
	Div ANT 1	Left cheek	0	SA&NSA	DFT-s-OFDM QPSK	Level1	1	158	349000/1745	10.00	19.00	0.045	0.13	0.006
			0		DFT-s-OFDM QPSK	Level1	50%	40	349000/1745	10.00	19.00	0.046	0.13	0.006
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	158	349000/1745	10.00	19.00	0.025	0.13	0.003
			0		DFT-s-OFDM QPSK	Level1	50%	40	349000/1745	10.00	19.00	0.029	0.13	0.004
		Right cheek	0		DFT-s-OFDM QPSK	Level1	1	158	349000/1745	10.00	19.00	0.029	0.13	0.004
			0		DFT-s-OFDM QPSK	Level1	50%	40	349000/1745	10.00	19.00	0.034	0.13	0.004
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	158	349000/1745	10.00	19.00	0.007	0.13	0.001
			0		DFT-s-OFDM QPSK	Level1	50%	40	349000/1745	10.00	19.00	0.012	0.13	0.002
	Mas ANT 4	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	1	349000/1745	10.00	19.00	0.346	0.13	0.044	
			0	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	10.00	19.00	0.348	0.13	0.044	
		Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	349000/1745	10.00	19.00	0.253	0.13	0.032	
0			DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	10.00	19.00	0.239	0.13	0.030		
Right cheek		0	DFT-s-OFDM QPSK	Level1	1	1	349000/1745	10.00	19.00	0.745	0.13	0.094		
		0	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	10.00	19.00	0.753	0.13	0.095		
Right Tilt		0	DFT-s-OFDM QPSK	Level1	1	1	349000/1745	10.00	19.00	0.443	0.13	0.056		
		0	DFT-s-OFDM QPSK	Level1	50%	40	345000/1725	10.00	19.00	0.441	0.13	0.056		
Main ANT 3	Left cheek	0	SA&NSA	DFT-s-OFDM QPSK	Level1	1	1	650000/3750	10.00	17.50	0.162	0.18	0.029	
		0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	10.00	17.50	0.081	0.18	0.014	
	Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	650000/3750	10.00	17.50	0.162	0.18	0.029	
		0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	10.00	17.50	0.107	0.18	0.019	
	Right cheek	0		DFT-s-OFDM QPSK	Level1	1	1	650000/3750	10.00	17.50	0.272	0.18	0.048	
		0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	10.00	17.50	0.202	0.18	0.036	
	Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	650000/3750	10.00	17.50	0.252	0.18	0.045	
		0		DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	10.00	17.50	0.158	0.18	0.028	
	Div ANT 7	Left cheek		0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	15.50	0.414	0.28	0.117
				0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	15.50	0.350	0.28	0.099
		Left Tilt		0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	15.50	0.508	0.28	0.143
				0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	15.50	0.496	0.28	0.140
Left Tilt		0	DFT-s-OFDM QPSK	Level1	1	1	656000/3840	10.00	15.50	0.492	0.28	0.139		
		0	DFT-s-OFDM QPSK	Level1	50%	67	656000/3840	10.00	15.50	0.472	0.28	0.133		



n78	Mas ANT 5	Right cheek	0	SA&NSA	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	15.50	0.234	0.28	0.066	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	15.50	0.216	0.28	0.061	
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	15.50	0.366	0.28	0.103	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	15.50	0.335	0.28	0.095	
		Left cheek	0		DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	17.00	0.138	0.20	0.028	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.00	0.097	0.20	0.019	
			Left Tilt		0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	17.00	0.204	0.20	0.041
					0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.00	0.099	0.20	0.020
	Right cheek	0	DFT-s-OFDM QPSK		Level1	1	1	633332/3500	10.00	17.00	0.286	0.20	0.057		
		0	DFT-s-OFDM QPSK		Level1	50%	67	633332/3500	10.00	17.00	0.176	0.20	0.035		
		Right Tilt	0		DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	17.00	0.275	0.20	0.055	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.00	0.195	0.20	0.039	
	Tas ANT 2	Left cheek	0		DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	17.00	0.062	0.20	0.012	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.00	0.091	0.20	0.018	
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	17.00	0.027	0.20	0.005	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.00	0.038	0.20	0.008	
		Right cheek	0		DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	17.00	0.117	0.20	0.023	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.00	0.116	0.20	0.023	
			Right Tilt		0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	17.00	0.035	0.20	0.007
					0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.00	0.067	0.20	0.013
	Main ANT 3	Left cheek	0		DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	20.00	0.259	0.10	0.026	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	20.00	0.200	0.10	0.020	
		Left Tilt	0		DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	20.00	0.324	0.10	0.032	
			0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	20.00	0.234	0.10	0.023	
Right cheek		0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	20.00	0.330	0.10	0.033			
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	20.00	0.509	0.10	0.051			
		Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	20.00	0.325	0.10	0.032		
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	20.00	0.430	0.10	0.043		
Div ANT 7	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	17.50	0.483	0.18	0.086			
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.50	0.476	0.18	0.085			
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	17.50	0.668	0.18	0.119			
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.50	0.754	0.18	0.134			
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	271	650000/3750	10.00	17.50	0.703	0.18	0.125			
		0	DFT-s-OFDM QPSK	Level1	50%	67	650000/3750	10.00	17.50	0.694	0.18	0.123			
		Right Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	17.50	0.414	0.18	0.074		
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	17.50	0.363	0.18	0.065		
Mas ANT 5	Left cheek	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	20.00	0.116	0.10	0.012			
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	20.00	0.240	0.10	0.024			
	Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	20.00	0.117	0.10	0.012			
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	20.00	0.200	0.10	0.020			
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	20.00	0.318	0.10	0.032			



ANT 2	Tas	Right Tilt	0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	20.00	0.550	0.10	0.055
			0	DFT-s-OFDM QPSK	Level1	1	1	633332/3500	10.00	20.00	0.219	0.10	0.022
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	20.00	0.341	0.10	0.034
		Left cheek	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	19.50	0.121	0.11	0.014
			0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	19.50	0.245	0.11	0.028
		Left Tilt	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	19.50	0.047	0.11	0.005
	0		DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	19.50	0.079	0.11	0.009	
	Right cheek	0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	19.50	0.225	0.11	0.025	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	19.50	0.336	0.11	0.038	
		0	DFT-s-OFDM QPSK	Level1	1	271	633332/3500	10.00	19.50	0.059	0.11	0.007	
		0	DFT-s-OFDM QPSK	Level1	50%	67	633332/3500	10.00	19.50	0.132	0.11	0.015	

Body-worn SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)
LTE 2	Main (ANT 1)	Back Side	15	QPSK	Level3	1	99	18700/1860	10.00	25.00	0.566	0.03	0.018
			15	QPSK	Level3	50%	25	18700/1860	10.00	24.00	0.475	0.04	0.019
		Front Side	15	QPSK	Level3	1	99	18700/1860	10.00	25.00	0.474	0.03	0.015
			15	QPSK	Level3	50%	25	18700/1860	10.00	24.00	0.406	0.04	0.016
	DIV (ANT 4)	Back Side	15	QPSK	Level3	1	0	18700/1860	10.00	23.50	0.233	0.04	0.010
			15	QPSK	Level3	50%	25	18700/1860	10.00	22.50	0.206	0.06	0.012
		Front Side	15	QPSK	Level3	1	0	18700/1860	10.00	23.50	0.139	0.04	0.006
			15	QPSK	Level3	50%	25	18700/1860	10.00	22.50	0.121	0.06	0.007
LTE 5	Main (ANT 0)	Back Side	15	QPSK	Level3	1	0	20450/829	10.00	25.00	0.344	0.03	0.011
			15	QPSK	Level3	50%	25	20525/836.5	10.00	24.00	0.270	0.04	0.011
		Front Side	15	QPSK	Level3	1	0	20450/829	10.00	25.00	0.157	0.03	0.005
			15	QPSK	Level3	50%	25	20525/836.5	10.00	24.00	0.139	0.04	0.006
	DIV (ANT 6)	Back Side	15	QPSK	Level3	1	49	20450/829	10.00	23.00	0.014	0.05	0.001
			15	QPSK	Level3	50%	13	20525/836.5	10.00	22.00	0.009	0.06	0.001
		Front Side	15	QPSK	Level3	1	49	20450/829	10.00	23.00	0.029	0.05	0.001
			15	QPSK	Level3	50%	13	20525/836.5	10.00	22.00	0.018	0.06	0.001
LTE 7	Main (ANT 1)	Back Side	15	QPSK	Level3	1	99	21100/2535	10.00	25.00	0.662	0.03	0.021
			15	QPSK	Level3	50%	25	21350/2560	10.00	24.00	0.594	0.04	0.024
		Front Side	15	QPSK	Level3	1	99	21100/2535	10.00	25.00	0.581	0.03	0.018
			15	QPSK	Level3	50%	25	21350/2560	10.00	24.00	0.454	0.04	0.018
	DIV (ANT 4)	Back Side	15	QPSK	Level3	1	50	21350/2560	10.00	24.00	0.274	0.04	0.011
			15	QPSK	Level3	50%	25	21350/2560	10.00	23.00	0.229	0.05	0.011
		Front Side	15	QPSK	Level3	1	50	21350/2560	10.00	24.00	0.234	0.04	0.009
			15	QPSK	Level3	50%	25	21350/2560	10.00	23.00	0.195	0.05	0.010
	Main (ANT 1)	Back Side SIM2	15	QPSK	Level3	1	99	21100/2535	10.00	25.00	0.703	0.03	0.022
			15	QPSK	Level3	1	99	20850/2510	10.00	25.00	0.534	0.03	0.017
		Back Side	15	QPSK	Level3	1	0	21048/2529.8					
			15	QPSK	Level3	1	0	21048/2529.8					



LTE 12	Main (ANT 0)	Back Side	15	QPSK	Level3	1	49	23095/707.5	10.00	25.00	0.151	0.03	0.005
			15	QPSK	Level3	50%	25	23130/711	10.00	24.00	0.122	0.04	0.005
		Front Side	15	QPSK	Level3	1	49	23095/707.5	10.00	25.00	0.081	0.03	0.003
			15	QPSK	Level3	50%	25	23130/711	10.00	24.00	0.077	0.04	0.003
	DIV (ANT 6)	Back Side	15	QPSK	Level3	1	0	23060/704	10.00	23.00	0.029	0.05	0.001
			15	QPSK	Level3	50%	13	23060/704	10.00	22.00	0.021	0.06	0.001
		Front Side	15	QPSK	Level3	1	0	23060/704	10.00	23.00	0.019	0.05	0.001
			15	QPSK	Level3	50%	13	23060/704	10.00	22.00	0.013	0.06	0.001

LTE 28A	Main (ANT 0)	Back Side	15	QPSK	Level3	1	99	27310/713	10.00	25.00	0.173	0.03	0.005
			15	QPSK	Level3	50%	50	27310/713	10.00	24.00	0.121	0.04	0.005
		Front Side	15	QPSK	Level3	1	99	27310/713	10.00	25.00	0.087	0.03	0.003
			15	QPSK	Level3	50%	50	27310/713	10.00	24.00	0.062	0.04	0.002
	DIV (ANT 6)	Back Side	15	QPSK	Level3	1	50	27410/723	10.00	23.00	0.016	0.05	0.001
			15	QPSK	Level3	50%	50	27360/718	10.00	22.00	0.013	0.06	0.001
		Front Side	15	QPSK	Level3	1	50	27410/723	10.00	23.00	0.018	0.05	0.001
			15	QPSK	Level3	50%	50	27360/718	10.00	22.00	0.016	0.06	0.001

LTE 28B	Main (ANT 0)	Back Side	15	QPSK	Level3	1	99	27460/728	10.00	25.00	0.246	0.03	0.008
			15	QPSK	Level3	50%	50	27460/728	10.00	24.00	0.196	0.04	0.008
		Front Side	15	QPSK	Level3	1	99	27460/728	10.00	25.00	0.192	0.03	0.006
			15	QPSK	Level3	50%	50	27460/728	10.00	24.00	0.143	0.04	0.006
	DIV (ANT 6)	Back Side	15	QPSK	Level3	1	99	27560/738	10.00	23.00	0.043	0.05	0.002
			15	QPSK	Level3	50%	50	27560/738	10.00	22.00	0.031	0.06	0.002
		Front Side	15	QPSK	Level3	1	99	27560/738	10.00	23.00	0.034	0.05	0.002
			15	QPSK	Level3	50%	50	27560/738	10.00	22.00	0.025	0.06	0.002

LTE 66	Main (ANT 2)	Back Side	15	QPSK	Level3	1	0	132322/1745	10.00	25.00	0.613	0.03	0.019
			15	QPSK	Level3	50%	25	132072/1720	10.00	24.00	0.433	0.04	0.017
		Front Side	15	QPSK	Level3	1	0	132322/1745	10.00	25.00	0.346	0.03	0.011
			15	QPSK	Level3	50%	25	132072/1720	10.00	24.00	0.247	0.04	0.010
	DIV (ANT 1)	Back Side	15	QPSK	Level3	1	0	132572/1770	10.00	25.00	0.347	0.03	0.011
			15	QPSK	Level3	50%	50	132572/1770	10.00	24.00	0.274	0.04	0.011
		Front Side	15	QPSK	Level3	1	0	132572/1770	10.00	25.00	0.285	0.03	0.009
			15	QPSK	Level3	50%	50	132572/1770	10.00	24.00	0.219	0.04	0.009
	Mas (ANT 4)	Back Side	15	QPSK	Level3	1	0	132072/1720	10.00	23.50	0.185	0.04	0.008
			15	QPSK	Level3	50%	0	132072/1720	10.00	22.50	0.134	0.06	0.008
		Front Side	15	QPSK	Level3	1	0	132072/1720	10.00	23.50	0.197	0.04	0.009
			15	QPSK	Level3	50%	0	132072/1720	10.00	22.50	0.154	0.06	0.009

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)
n5	Main ANT 0	Back Side	15	SA&NSA	DFT-s-OFDM QPSK	Level3	1	1	167800/839	10.00	24.00	0.360	0.04	0.014
			15		DFT-s-OFDM QPSK	Level3	50%	25	166800/834	10.00	24.00	0.367	0.04	0.015
		Front Side	15		DFT-s-OFDM QPSK	Level3	1	1	167800/839	10.00	24.00	0.253	0.04	0.010



	Div	ANT 6	Back Side	15	DFT-s-OFDM QPSK	Level3	50%	25	166800/834	10.00	24.00	0.288	0.04	0.011
				15	DFT-s-OFDM QPSK	Level3	1	1	166800/834	10.00	22.00	0.049	0.06	0.003
			Front Side	15	DFT-s-OFDM QPSK	Level3	50%	25	167800/839	10.00	22.00	0.050	0.06	0.003
				15	DFT-s-OFDM QPSK	Level3	1	1	166800/834	10.00	22.00	0.051	0.06	0.003
n41	Main	ANT 3	Back Side	15	DFT-s-OFDM QPSK	Level3	1	271	518598/2592.99	10.00	20.50	0.307	0.09	0.027
				15	DFT-s-OFDM QPSK	Level3	50%	67	528000/2640	10.00	20.50	0.388	0.09	0.035
			Front Side	15	DFT-s-OFDM QPSK	Level3	1	271	518598/2592.99	10.00	20.50	0.144	0.09	0.013
				15	DFT-s-OFDM QPSK	Level3	50%	67	528000/2640	10.00	20.50	0.202	0.09	0.018
n66	Main	ANT 2	Back Side	15	DFT-s-OFDM QPSK	Level3	1	1	353000/1765	10.00	21.50	0.394	0.07	0.028
				15	DFT-s-OFDM QPSK	Level3	50%	40	353000/1765	10.00	21.50	0.355	0.07	0.025
			Front Side	15	DFT-s-OFDM QPSK	Level3	1	1	353000/1765	10.00	21.50	0.242	0.07	0.017
				15	DFT-s-OFDM QPSK	Level3	50%	40	353000/1765	10.00	21.50	0.227	0.07	0.016
	Div	ANT 1	Back Side	15	DFT-s-OFDM QPSK	Level3	1	158	349000/1745	10.00	19.00	0.171	0.13	0.021
				15	DFT-s-OFDM QPSK	Level3	50%	40	349000/1745	10.00	19.00	0.164	0.13	0.021
			Front Side	15	DFT-s-OFDM QPSK	Level3	1	158	349000/1745	10.00	19.00	0.135	0.13	0.017
				15	DFT-s-OFDM QPSK	Level3	50%	40	349000/1745	10.00	19.00	0.123	0.13	0.016
	Mas	ANT 4	Back Side	15	DFT-s-OFDM QPSK	Level3	1	1	349000/1745	10.00	19.00	0.201	0.13	0.025
				15	DFT-s-OFDM QPSK	Level3	50%	40	345000/1725	10.00	19.00	0.203	0.13	0.026
			Front Side	15	DFT-s-OFDM QPSK	Level3	1	1	349000/1745	10.00	19.00	0.171	0.13	0.022
				15	DFT-s-OFDM QPSK	Level3	50%	40	345000/1725	10.00	19.00	0.172	0.13	0.022
n77	Main	ANT 3	Back Side	15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	17.50	0.347	0.18	0.062
				15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	17.50	0.284	0.18	0.051
			Back Side	15	DFT-s-OFDM QPSK	Level3	1	1	650000/3750	10.00	17.50	0.366	0.18	0.065
				15	DFT-s-OFDM QPSK	Level3	50%	67	656000/3840	10.00	17.50	0.315	0.18	0.056
			Front Side	15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	17.50	0.058	0.18	0.010
				15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	17.50	0.047	0.18	0.008
	Div	ANT 7	Back Side	15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	15.50	0.064	0.28	0.018
				15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	15.50	0.083	0.28	0.023
			Front Side	15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	15.50	0.074	0.28	0.021
				15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	15.50	0.099	0.28	0.028
	Mas	ANT 5	Back Side	15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	17.00	0.309	0.20	0.062
				15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	17.00	0.217	0.20	0.043
			Front Side	15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	17.00	0.014	0.20	0.003
				15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	17.00	0.027	0.20	0.005
	Tas	ANT 2	Back Side	15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	10.00	17.00	0.106	0.20	0.021
				15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	17.00	0.124	0.20	0.025
Front Side			15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	10.00	17.00	0.033	0.20	0.007	
			15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	17.00	0.045	0.20	0.009	
n78	Main	ANT 3	Back Side	15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	10.00	20.00	0.487	0.10	0.049
				15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	20.00	0.558	0.10	0.056
			Back Side	15	DFT-s-OFDM QPSK	Level3	1	271	650000/3750	10.00	20.00	0.596	0.10	0.060
				15	DFT-s-OFDM QPSK	Level3	50%	67	650000/3750	10.00	20.00	0.552	0.10	0.055



	Front Side	15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	10.00	20.00	0.056	0.10	0.006	
		15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	20.00	0.059	0.10	0.006	
	Back Side	15	CP-OFDM QPSK	Level3	1	1	633332/3500	10.00	19.00	0.552	0.13	0.070	
		15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	17.50	0.151	0.18	0.027	
	Div ANT 7	Back Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	17.50	0.096	0.18	0.017
			15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	17.50	0.130	0.18	0.023
		Front Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	17.50	0.152	0.18	0.027
			15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	20.00	0.337	0.10	0.034
	Mas ANT 5	Back Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	20.00	0.418	0.10	0.042
			15	DFT-s-OFDM QPSK	Level3	1	1	633332/3500	10.00	20.00	0.032	0.10	0.003
		Front Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	20.00	0.043	0.10	0.004
			15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	10.00	19.50	0.240	0.11	0.027
	Tas ANT 2	Back Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	19.50	0.288	0.11	0.032
			15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	10.00	19.50	0.089	0.11	0.010
		Front Side	15	DFT-s-OFDM QPSK	Level3	50%	67	633332/3500	10.00	19.50	0.122	0.11	0.014
			15	DFT-s-OFDM QPSK	Level3	1	271	633332/3500	10.00	19.50	0.122	0.11	0.014

Hotspot SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)	
LTE 2	Main (ANT 1)	Back Side	10	QPSK	Level5	1	0	18700/1860	10.00	22.00	0.556	0.06	0.035	
			10	QPSK	Level5	50%	0	18700/1860	10.00	21.00	0.476	0.08	0.038	
		Front Side	10	QPSK	Level5	1	0	18700/1860	10.00	22.00	0.444	0.06	0.028	
			10	QPSK	Level5	50%	0	18700/1860	10.00	21.00	0.381	0.08	0.030	
		Left Edge	10	QPSK	Level5	1	0	18700/1860	10.00	22.00	0.157	0.06	0.010	
			10	QPSK	Level5	50%	0	18700/1860	10.00	21.00	0.116	0.08	0.009	
		Right Edge	10	QPSK	Level5	1	0	18700/1860	10.00	22.00	0.116	0.06	0.007	
			10	QPSK	Level5	50%	0	18700/1860	10.00	21.00	0.105	0.08	0.008	
		Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Bottom Edge	10	QPSK	Level5	1	0	18700/1860	10.00	22.00	0.766	0.06	0.048		
		10	QPSK	Level5	50%	0	18700/1860	10.00	21.00	0.697	0.08	0.055		
	DIV (ANT 4)	Back Side	10	QPSK	Level5	1	0	18700/1860	10.00	23.50	0.639	0.04	0.029	
			10	QPSK	Level5	50%	25	18700/1860	10.00	22.50	0.543	0.06	0.031	
		Front Side	10	QPSK	Level5	1	0	18700/1860	10.00	23.50	0.310	0.04	0.014	
			10	QPSK	Level5	50%	25	18700/1860	10.00	22.50	0.246	0.06	0.014	
		Left Edge	10	QPSK	Level5	1	0	18700/1860	10.00	23.50	0.295	0.04	0.013	
			10	QPSK	Level5	50%	25	18700/1860	10.00	22.50	0.247	0.06	0.014	
		Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Top Edge		10	QPSK	Level5	1	0	18700/1860	10.00	23.50	0.179	0.04	0.008		
		10	QPSK	Level5	50%	25	18700/1860	10.00	22.50	0.162	0.06	0.009		
Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		



LTE 5	Main (ANT 0)	Back Side	10	QPSK	Level5	1	0	20450/829	10.00	25.00	0.507	0.03	0.016	
			10	QPSK	Level5	50%	25	20525/836.5	10.00	24.00	0.433	0.04	0.017	
		Front Side	10	QPSK	Level5	1	0	20450/829	10.00	25.00	0.223	0.03	0.007	
			10	QPSK	Level5	50%	25	20525/836.5	10.00	24.00	0.206	0.04	0.008	
		Left Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Right Edge	10	QPSK	Level5	1	0	20450/829	10.00	25.00	0.417	0.03	0.013	
			10	QPSK	Level5	50%	25	20525/836.5	10.00	24.00	0.320	0.04	0.013	
		Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Bottom Edge	10	QPSK	Level5	1	0	20450/829	10.00	25.00	0.447	0.03	0.014	
			10	QPSK	Level5	50%	25	20525/836.5	10.00	24.00	0.359	0.04	0.014	
		DIV (ANT 6)	Back Side	10	QPSK	Level5	1	49	20450/829	10.00	23.00	0.102	0.05	0.005
				10	QPSK	Level5	50%	13	20525/836.5	10.00	22.00	0.084	0.06	0.005
	Front Side		10	QPSK	Level5	1	49	20450/829	10.00	23.00	0.113	0.05	0.006	
			10	QPSK	Level5	50%	13	20525/836.5	10.00	22.00	0.094	0.06	0.006	
	Left Edge		10	QPSK	Level5	1	49	20450/829	10.00	23.00	0.013	0.05	0.001	
			10	QPSK	Level5	50%	13	20525/836.5	10.00	22.00	0.010	0.06	0.001	
Right Edge	10		QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	10		QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Top Edge	10		QPSK	Level5	1	49	20450/829	10.00	23.00	0.126	0.05	0.006		
	10		QPSK	Level5	50%	13	20525/836.5	10.00	22.00	0.113	0.06	0.007		
Bottom Edge	10		N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	10		N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
LTE 7	Main (ANT 1)		Back Side	10	QPSK	Level5	1	0	21350/2560	10.00	20.00	0.535	0.10	0.053
				10	QPSK	Level5	50%	50	21350/2560	10.00	19.00	0.444	0.13	0.056
		Front Side	10	QPSK	Level5	1	0	21350/2560	10.00	20.00	0.369	0.10	0.037	
			10	QPSK	Level5	50%	50	21350/2560	10.00	19.00	0.302	0.13	0.038	
		Left Edge	10	QPSK	Level5	1	0	21350/2560	10.00	20.00	0.122	0.10	0.012	
			10	QPSK	Level5	50%	50	21350/2560	10.00	19.00	0.078	0.13	0.010	
		Right Edge	10	QPSK	Level5	1	0	21350/2560	10.00	20.00	0.000	0.10	0.000	
			10	QPSK	Level5	50%	50	21350/2560	10.00	19.00	0.000	0.13	0.000	
		Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Bottom Edge	10	QPSK	Level5	1	0	21350/2560	10.00	20.00	0.799	0.10	0.080	
			10	QPSK	Level5	50%	50	21350/2560	10.00	19.00	0.688	0.13	0.087	
		DIV (ANT 4)	Back Side	10	QPSK	Level5	1	50	21350/2560	10.00	24.00	0.620	0.04	0.025
				10	QPSK	Level5	50%	25	21350/2560	10.00	23.00	0.447	0.05	0.022
	Front Side		10	QPSK	Level5	1	50	21350/2560	10.00	24.00	0.429	0.04	0.017	
			10	QPSK	Level5	50%	25	21350/2560	10.00	23.00	0.353	0.05	0.018	
	Left Edge		10	QPSK	Level5	1	50	21350/2560	10.00	24.00	0.436	0.04	0.017	
			10	QPSK	Level5	50%	25	21350/2560	10.00	23.00	0.310	0.05	0.016	
Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			



LTE 12	Main (ANT 1)	Top Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	QPSK	Level5	1	50	21350/2560	10.00	24.00	0.479	0.04	0.019	
		Bottom Edge	10	QPSK	Level5	50%	25	21350/2560	10.00	23.00	0.447	0.05	0.022	
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Back Side	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	QPSK	Level5	1	99	20850/2510	10.00	20.00	0.604	0.10	0.060	
	10	QPSK	Level5	1	0	21048/2529.8								
	LTE 12	Main (ANT 0)	Back Side	10	QPSK	Level5	1	49	23095/707.5	10.00	25.00	0.245	0.03	0.008
				10	QPSK	Level5	50%	25	23130/711	10.00	24.00	0.179	0.04	0.007
			Front Side	10	QPSK	Level5	1	49	23095/707.5	10.00	25.00	0.110	0.03	0.003
				10	QPSK	Level5	50%	25	23130/711	10.00	24.00	0.081	0.04	0.003
			Left Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Right Edge			10	QPSK	Level5	1	49	23095/707.5	10.00	25.00	0.169	0.03	0.005	
			10	QPSK	Level5	50%	25	23130/711	10.00	24.00	0.137	0.04	0.005	
Top Edge			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Bottom Edge			10	QPSK	Level5	1	49	23095/707.5	10.00	25.00	0.149	0.03	0.005	
			10	QPSK	Level5	50%	25	23130/711	10.00	24.00	0.144	0.04	0.006	
DIV (ANT 6)		Back Side	10	QPSK	Level5	1	0	23060/704	10.00	23.00	0.094	0.05	0.005	
			10	QPSK	Level5	50%	13	23060/704	10.00	22.00	0.058	0.06	0.004	
		Front Side	10	QPSK	Level5	1	0	23060/704	10.00	23.00	0.107	0.05	0.005	
			10	QPSK	Level5	50%	13	23060/704	10.00	22.00	0.064	0.06	0.004	
		Left Edge	10	QPSK	Level5	1	0	23060/704	10.00	23.00	0.064	0.05	0.003	
			10	QPSK	Level5	50%	13	23060/704	10.00	22.00	0.057	0.06	0.004	
		Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Top Edge	10	QPSK	Level5	1	0	23060/704	10.00	23.00	0.176	0.05	0.009	
			10	QPSK	Level5	50%	13	23060/704	10.00	22.00	0.097	0.06	0.006	
		Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
LTE 28A	Main (ANT 0)	Back Side	10	QPSK	Level5	1	99	27310/713	10.00	25.00	0.343	0.03	0.011	
			10	QPSK	Level5	50%	50	27310/713	10.00	24.00	0.252	0.04	0.010	
		Front Side	10	QPSK	Level5	1	99	27310/713	10.00	25.00	0.254	0.03	0.008	
			10	QPSK	Level5	50%	50	27310/713	10.00	24.00	0.213	0.04	0.008	
		Left Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Right Edge	10	QPSK	Level5	1	99	27310/713	10.00	25.00	0.273	0.03	0.009	
			10	QPSK	Level5	50%	50	27310/713	10.00	24.00	0.180	0.04	0.007	
		Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Bottom Edge	10	QPSK	Level5	1	99	27310/713	10.00	25.00	0.283	0.03	0.009	
			10	QPSK	Level5	50%	50	27310/713	10.00	24.00	0.204	0.04	0.008	



LTE 28B	DIV (ANT 6)	Back Side	10	QPSK	Level5	1	50	27410/723	10.00	23.00	0.058	0.05	0.003		
			10	QPSK	Level5	50%	50	27360/718	10.00	22.00	0.053	0.06	0.003		
		Front Side	10	QPSK	Level5	1	50	27410/723	10.00	23.00	0.060	0.05	0.003		
			10	QPSK	Level5	50%	50	27360/718	10.00	22.00	0.054	0.06	0.003		
		Left Edge	10	QPSK	Level5	1	50	27410/723	10.00	23.00	0.017	0.05	0.001		
			10	QPSK	Level5	50%	50	27360/718	10.00	22.00	0.015	0.06	0.001		
		Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		Top Edge	10	QPSK	Level5	1	50	27410/723	10.00	23.00	0.048	0.05	0.002		
			10	QPSK	Level5	50%	50	27360/718	10.00	22.00	0.039	0.06	0.002		
		Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		LTE 28B	Main (ANT 0)	Back Side	10	QPSK	Level5	1	99	27460/728	10.00	25.00	0.361	0.03	0.011
					10	QPSK	Level5	50%	50	27460/728	10.00	24.00	0.244	0.04	0.010
Front Side	10			QPSK	Level5	1	99	27460/728	10.00	25.00	0.255	0.03	0.008		
	10			QPSK	Level5	50%	50	27460/728	10.00	24.00	0.187	0.04	0.007		
Left Edge	10			QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	10			QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Right Edge	10			QPSK	Level5	1	99	27460/728	10.00	25.00	0.210	0.03	0.007		
	10			QPSK	Level5	50%	50	27460/728	10.00	24.00	0.147	0.04	0.006		
Top Edge	10			N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	10			N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Bottom Edge	10			QPSK	Level5	1	99	27460/728	10.00	25.00	0.229	0.03	0.007		
	10			QPSK	Level5	50%	50	27460/728	10.00	24.00	0.160	0.04	0.006		
LTE 28B	DIV (ANT 6)			Back Side	10	QPSK	Level5	1	99	27560/738	10.00	23.00	0.060	0.05	0.003
					10	QPSK	Level5	50%	50	27560/738	10.00	22.00	0.053	0.06	0.003
		Front Side	10	QPSK	Level5	1	99	27560/738	10.00	23.00	0.084	0.05	0.004		
			10	QPSK	Level5	50%	50	27560/738	10.00	22.00	0.061	0.06	0.004		
		Left Edge	10	QPSK	Level5	1	99	27560/738	10.00	23.00	0.022	0.05	0.001		
			10	QPSK	Level5	50%	50	27560/738	10.00	22.00	0.020	0.06	0.001		
		Right Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		Top Edge	10	QPSK	Level5	1	99	27560/738	10.00	23.00	0.057	0.05	0.003		
			10	QPSK	Level5	50%	50	27560/738	10.00	22.00	0.053	0.06	0.003		
		Bottom Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		LTE 66	Main (ANT 2)	Back Side	10	QPSK	Level5	1	0	132072/1720	10.00	22.00	0.567	0.06	0.036
					10	QPSK	Level5	50%	25	132572/1770	10.00	21.00	0.449	0.08	0.036
Front Side	10			QPSK	Level5	1	0	132072/1720	10.00	22.00	0.220	0.06	0.014		
	10			QPSK	Level5	50%	25	132572/1770	10.00	21.00	0.164	0.08	0.013		
Left Edge	10			QPSK	Level5	1	0	132072/1720	10.00	22.00	0.815	0.06	0.051		
	10			QPSK	Level5	1	0	132322/1745	10.00	22.00	0.808	0.06	0.051		
10	QPSK	Level5	1	0	132572/1770	10.00	22.00	0.786	0.06	0.050					



DIV (ANT 1)		10	QPSK	Level5	50%	25	132572/1770	10.00	21.00	0.580	0.08	0.046		
		10	QPSK	Level5	100%	0	132572/1770	10.00	21.00	0.690	0.08	0.055		
	Right Edge	10	QPSK	Level5	1	0	132072/1720	10.00	22.00	0.000	0.06	0.000		
		10	QPSK	Level5	50%	25	132572/1770	10.00	21.00	0.000	0.08	0.000		
	Top Edge	10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		10	N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Bottom Edge	10	QPSK	Level5	1	0	132072/1720	10.00	22.00	0.021	0.06	0.001		
		10	QPSK	Level5	50%	25	132572/1770	10.00	21.00	0.015	0.08	0.001		
	Mas (ANT 4)	Back Side	10	QPSK	Level5	1	0	132572/1770	10.00	22.00	0.400	0.06	0.025	
			10	QPSK	Level5	50%	50	132572/1770	10.00	21.00	0.377	0.08	0.030	
		Front Side	10	QPSK	Level5	1	0	132572/1770	10.00	22.00	0.268	0.06	0.017	
			10	QPSK	Level5	50%	50	132572/1770	10.00	21.00	0.215	0.08	0.017	
		Left Edge	10	QPSK	Level5	1	0	132572/1770	10.00	22.00	0.718	0.06	0.045	
			10	QPSK	Level5	50%	50	132572/1770	10.00	21.00	0.564	0.08	0.045	
		Right Edge	10	QPSK	Level5	1	0	132572/1770	10.00	22.00	0.000	0.06	0.000	
			10	QPSK	Level5	50%	50	132572/1770	10.00	21.00	0.000	0.08	0.000	
		Top Edge	10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Bottom Edge	10	N/A	Level5	1	0	132572/1770	10.00	22.00	0.000	0.06	0.000	
			10	N/A	Level5	50%	50	132572/1770	10.00	21.00	0.000	0.08	0.000	
		Mas (ANT 4)	Back Side	10	QPSK	Level5	1	0	132072/1720	10.00	23.50	0.365	0.04	0.016
				10	QPSK	Level5	50%	0	132072/1720	10.00	22.50	0.309	0.06	0.017
	Front Side		10	QPSK	Level5	1	0	132072/1720	10.00	23.50	0.340	0.04	0.015	
			10	QPSK	Level5	50%	0	132072/1720	10.00	22.50	0.292	0.06	0.016	
	Left Edge		10	QPSK	Level5	1	0	132072/1720	10.00	23.50	0.476	0.04	0.021	
			10	QPSK	Level5	50%	0	132072/1720	10.00	22.50	0.361	0.06	0.020	
	Right Edge		10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10	QPSK	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Top Edge	10		QPSK	Level5	1	0	132072/1720	10.00	23.50	0.353	0.04	0.016		
	10		QPSK	Level5	50%	0	132072/1720	10.00	22.50	0.303	0.06	0.017		
Bottom Edge	10		N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	10		N/A	Level5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/kg)	Scaling Factor	Report SAR1g (W/kg)	
n5	Main ANT 0	Back Side	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	167800/839	10.00	24.00	0.592	0.04	0.024	
			10		DFT-s-OFDM QPSK	Level5	50%	25	166800/834	10.00	24.00	0.623	0.04	0.025	
		Front Side	10		DFT-s-OFDM QPSK	Level5	1	1	167800/839	10.00	24.00	0.384	0.04	0.015	
			10		DFT-s-OFDM QPSK	Level5	50%	25	166800/834	10.00	24.00	0.410	0.04	0.016	
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	1	167800/839	10.00	24.00	0.379	0.04	0.015	



n41	Div ANT 6	Top Edge	10	SA&NSA	DFT-s-OFDM QPSK	Level5	50%	25	166800/834	10.00	24.00	0.389	0.04	0.015							
			10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
		Bottom Edge	10	SA&NSA	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
			10		DFT-s-OFDM QPSK	Level5	1	1	167800/839	10.00	24.00	0.368	0.04	0.015							
		Back Side	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	166800/834	10.00	22.00	0.083	0.06	0.005							
			10		DFT-s-OFDM QPSK	Level5	50%	25	167800/839	10.00	22.00	0.093	0.06	0.006							
		Front Side	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	166800/834	10.00	22.00	0.103	0.06	0.007							
			10		DFT-s-OFDM QPSK	Level5	50%	25	167800/839	10.00	22.00	0.113	0.06	0.007							
		Left Edge	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	166800/834	10.00	22.00	0.000	0.06	0.000							
			10		DFT-s-OFDM QPSK	Level5	50%	25	167800/839	10.00	22.00	0.000	0.06	0.000							
		Right Edge	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A							
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A							
		Top Edge	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	166800/834	10.00	22.00	0.114	0.06	0.007							
			10		DFT-s-OFDM QPSK	Level5	50%	25	167800/839	10.00	22.00	0.115	0.06	0.007							
		Bottom Edge	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A							
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A							
		n41	Main ANT 3	Back Side	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	10.00	18.00	0.463	1.24	0.073					
					10		DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	10.00	18.00	0.595	1.25	0.094					
				Front Side	10		SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	10.00	18.00	0.217	1.24	0.034				
					10			DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	10.00	18.00	0.242	1.25	0.038				
Left Edge	10			SA&NSA	DFT-s-OFDM QPSK			Level5	1	1	518598/2592.99	10.00	18.00	0.757	1.24	0.120					
	10				DFT-s-OFDM QPSK			Level5	50%	67	528000/2640	10.00	18.00	0.783	1.25	0.124					
Right Edge	10				SA&NSA			DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
	10							DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Top Edge	10							SA&NSA	DFT-s-OFDM QPSK	Level5	1	1	518598/2592.99	10.00	18.00	0.106	1.24	0.017			
	10								DFT-s-OFDM QPSK	Level5	50%	67	528000/2640	10.00	18.00	0.122	1.25	0.019			
Bottom Edge	10								SA&NSA	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	10									DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
n66	Main ANT 2	Back Side	10			SA&NSA				DFT-s-OFDM QPSK	Level5	1	1	353000/1765	10.00	20.00	0.295	0.10	0.029		
			10							DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	10.00	20.00	0.284	0.10	0.028		
		Front Side	10				SA&NSA			DFT-s-OFDM QPSK	Level5	1	1	353000/1765	10.00	20.00	0.208	0.10	0.021		
			10							DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	10.00	20.00	0.184	0.10	0.018		
		Left Edge	10	SA&NSA						DFT-s-OFDM QPSK	Level5	1	1	353000/1765	10.00	20.00	0.512	0.10	0.051		
			10							DFT-s-OFDM QPSK	Level5	50%	40	353000/1765	10.00	20.00	0.454	0.10	0.045		
		Right Edge	10		SA&NSA					DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10							DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		Top Edge	10					SA&NSA		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10							DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		Bottom Edge	10						SA&NSA	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10							DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		Div ANT 1	Back Side							10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	158	349000/1745	10.00	19.00	0.300	0.13	0.038
										10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	10.00	19.00	0.317	0.13	0.040



n77	Mas ANT 4	Front Side	10	SA&NSA	DFT-s-OFDM QPSK	Level5	1	158	349000/1745	10.00	19.00	0.242	0.13	0.031	
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	10.00	19.00	0.249	0.13	0.031	
		Left Edge	10		DFT-s-OFDM QPSK	Level5	1	158	349000/1745	10.00	19.00	0.100	0.13	0.013	
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	10.00	19.00	0.098	0.13	0.012	
		Right Edge	10		DFT-s-OFDM QPSK	Level5	1	158	349000/1745	10.00	19.00	0.000	0.13	0.000	
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	10.00	19.00	0.000	0.13	0.000	
		Top Edge	10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			10		DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		Bottom Edge	10		DFT-s-OFDM QPSK	Level5	1	158	349000/1745	10.00	19.00	0.531	0.13	0.067	
			10		DFT-s-OFDM QPSK	Level5	50%	40	349000/1745	10.00	19.00	0.436	0.13	0.055	
		Main ANT 3	Back Side		10	DFT-s-OFDM QPSK	Level5	1	1	349000/1745	10.00	19.00	0.439	0.13	0.055
					10	DFT-s-OFDM QPSK	Level5	50%	40	345000/1725	10.00	19.00	0.396	0.13	0.050
			Front Side		10	DFT-s-OFDM QPSK	Level5	1	1	349000/1745	10.00	19.00	0.350	0.13	0.044
					10	DFT-s-OFDM QPSK	Level5	50%	40	345000/1725	10.00	19.00	0.315	0.13	0.040
			Left Edge		10	DFT-s-OFDM QPSK	Level5	1	1	349000/1745	10.00	19.00	0.462	0.13	0.058
					10	DFT-s-OFDM QPSK	Level5	50%	40	345000/1725	10.00	19.00	0.474	0.13	0.060
	Right Edge		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Top Edge		10	DFT-s-OFDM QPSK	Level5	1	1	349000/1745	10.00	19.00	0.334	0.13	0.042		
			10	DFT-s-OFDM QPSK	Level5	50%	40	345000/1725	10.00	19.00	0.317	0.13	0.040		
	Bottom Edge		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Div ANT 7		Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	15.50	0.456	0.28	0.129	
				10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	15.50	0.478	0.28	0.135	
		Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	10.00	15.50	0.449	0.28	0.127		
			10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	10.00	15.50	0.472	0.28	0.133		
		Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	15.50	0.064	0.28	0.018		
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	15.50	0.028	0.28	0.008		
		Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	15.50	0.474	0.28	0.133		
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	15.50	0.441	0.28	0.124		
		Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		Top Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	15.50	0.154	0.28	0.043		
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	15.50	0.124	0.28	0.035		
		Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Div ANT 7	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	10.00	15.50	0.064	0.28	0.018		
			10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	10.00	15.50	0.072	0.28	0.020		
		Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	10.00	15.50	0.146	0.28	0.041		
			10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	10.00	15.50	0.177	0.28	0.050		
Left Edge		10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	10.00	15.50	0.030	0.28	0.009			
		10	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	10.00	15.50	0.028	0.28	0.008			
Right Edge	10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	10.00	15.50	0.050	0.28	0.014				



n78	Mas ANT 5	Top Edge	10	SA&NSA	DFT-s-OFDM QPSK	Level5	50%	67	656000/3840	10.00	15.50	0.039	0.28	0.011	
			10		DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Bottom Edge	10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	1	1	656000/3840	10.00	15.50	0.034	0.28	0.010	0.010	
		Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.00	0.107	0.20	0.021	0.021	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.084	0.20	0.017	0.017	
		Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.00	0.004	0.20	0.001	0.001	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.000	0.20	0.000	0.000	
		Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.00	0.014	0.20	0.003	0.003	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.010	0.20	0.002	0.002	
		Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Top Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.00	0.023	0.20	0.005	0.005	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.019	0.20	0.004	0.004	
		Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Tas ANT 2	Back Side	10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	17.00	0.177	0.20	0.035	0.035
				10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.161	0.20	0.032	0.032
	Front Side		10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	17.00	0.046	0.20	0.009	0.009	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.055	0.20	0.011	0.011	
	Left Edge		10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	17.00	0.150	0.20	0.030	0.030	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.184	0.20	0.037	0.037	
	Right Edge		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Top Edge		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Bottom Edge		10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Main ANT 3		Back Side	10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	17.00	0.634	0.20	0.126	0.126
				10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.691	0.20	0.138	0.138
		Back Side	10	DFT-s-OFDM QPSK	Level5	1	271	650000/3750	10.00	17.00	0.627	0.20	0.125	0.125	
			10	DFT-s-OFDM QPSK	Level5	50%	67	650000/3750	10.00	17.00	0.685	0.20	0.137	0.137	
		Front Side	10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	17.00	0.072	0.20	0.014	0.014	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.096	0.20	0.019	0.019	
		Left Edge	10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	17.00	0.517	0.20	0.103	0.103	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.675	0.20	0.135	0.135	
		Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Top Edge	10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	17.00	0.188	0.20	0.037	0.037	
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.00	0.224	0.20	0.045	0.045	
		Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



Div ANT 7	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.50	0.168	0.18	0.030	
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.50	0.171	0.18	0.030	
	Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.50	0.270	0.18	0.048	
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.50	0.309	0.18	0.055	
	Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.50	0.045	0.18	0.008	
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.50	0.030	0.18	0.005	
	Right Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.50	0.062	0.18	0.011	
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.50	0.078	0.18	0.014	
	Top Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	17.50	0.038	0.18	0.007	
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	17.50	0.030	0.18	0.005	
	Mas ANT 5	Back Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	20.00	0.154	0.10	0.015
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	20.00	0.187	0.10	0.019
		Front Side	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	20.00	0.015	0.10	0.001
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	20.00	0.014	0.10	0.001
		Left Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	20.00	0.023	0.10	0.002
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	20.00	0.032	0.10	0.003
		Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Top Edge	10	DFT-s-OFDM QPSK	Level5	1	1	633332/3500	10.00	20.00	0.043	0.10	0.004
			10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	20.00	0.063	0.10	0.006
		Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tas ANT 2	Back Side	10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	19.50	0.472	0.11	0.053	
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	19.50	0.472	0.11	0.053	
	Front Side	10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	19.50	0.163	0.11	0.018	
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	19.50	0.184	0.11	0.021	
	Left Edge	10	DFT-s-OFDM QPSK	Level5	1	271	633332/3500	10.00	19.50	0.402	0.11	0.045	
		10	DFT-s-OFDM QPSK	Level5	50%	67	633332/3500	10.00	19.50	0.493	0.11	0.055	
	Right Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Top Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Bottom Edge	10	DFT-s-OFDM QPSK	Level5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		10	DFT-s-OFDM QPSK	Level5	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	



Product-specific 10g SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR10g (W/kg)	Scaling Factor	Report SAR10g (W/kg)
LTE 2	Main (ANT 1)	Bottom Edge	0	QPSK	Level6-D1	1	99	18700/1860	10.00	25.00	3.204	0.03	0.101
			0	QPSK	Level6-D1	1	50	18900/1880	10.00	25.00	3.182	0.03	0.101
			0	QPSK	Level6-D1	1	99	19100/1900	10.00	25.00	3.106	0.03	0.098
			0	QPSK	Level6-D1	50%	25	18700/1860	10.00	24.00	2.468	0.04	0.098
			0	QPSK	Level6-D1	50%	50	18900/1880	10.00	24.00	2.625	0.04	0.105
			0	QPSK	Level6-D1	50%	50	19100/1900	10.00	24.00	2.662	0.04	0.106
			0	QPSK	Level6-D1	100%	0	18700/1860	10.00	24.00	2.532	0.04	0.101
			0	QPSK	Level6-D1	100%	0	18900/1880	10.00	24.00	2.837	0.04	0.113
			0	QPSK	Level6-D1	100%	0	19100/1900	10.00	24.00	2.544	0.04	0.101
LTE 7	Main (ANT 1)	Back Side	0	QPSK	Level6-D1	1	50	21350/2560	10.00	22.50	3.069	0.06	0.173
			0	QPSK	Level6-D1	1	0	20850/2510	10.00	22.50	3.037	0.06	0.171
			0	QPSK	Level6-D1	1	50	21100/2535	10.00	22.50	3.208	0.06	0.180
			0	QPSK	Level6-D1	50%	25	21350/2560	10.00	21.50	2.360	0.07	0.167
			0	QPSK	Level6-D1	50%	50	20850/2510	10.00	21.50	2.249	0.07	0.159
			0	QPSK	Level6-D1	50%	50	21100/2535	10.00	21.50	2.358	0.07	0.167
			0	QPSK	Level6-D1	100%	0	21350/2560	10.00	21.50	2.309	0.07	0.163
			0	QPSK	Level6-D1	100%	0	20850/2510	10.00	21.50	2.555	0.07	0.181
			0	QPSK	Level6-D1	100%	0	21100/2535	10.00	21.50	2.378	0.07	0.168
		Bottom Edge	0	QPSK	Level6-D1	1	50	21350/2560	10.00	22.50	3.423	0.06	0.192
			0	QPSK	Level6-D1	1	0	20850/2510	10.00	22.50	3.282	0.06	0.185
			0	QPSK	Level6-D1	1	50	21100/2535	10.00	22.50	3.568	0.06	0.201
			0	QPSK	Level6-D1	50%	25	21350/2560	10.00	21.50	2.795	0.07	0.198
			0	QPSK	Level6-D1	50%	50	20850/2510	10.00	21.50	2.630	0.07	0.186
			0	QPSK	Level6-D1	50%	50	21100/2535	10.00	21.50	2.811	0.07	0.199
			0	QPSK	Level6-D1	100%	0	21350/2560	10.00	21.50	2.789	0.07	0.197
			0	QPSK	Level6-D1	100%	0	20850/2510	10.00	21.50	2.555	0.07	0.181
			0	QPSK	Level6-D1	100%	0	21100/2535	10.00	21.50	2.683	0.07	0.190
		Bottom Edge SIM2	0	QPSK	Level6-D1	1	50	21100/2535	10.00	22.50	3.419	0.06	0.192
		Bottom Edge	0	QPSK	Level6-D1	1	0	21350/2560	10.00	22.50	3.104	0.06	0.175
						1	99	21152/2540.2					
LTE 66	DIV (ANT 1)	Left Edge	0	QPSK	Level6-D1	1	0	132322/1745	10.00	25.00	3.066	0.03	0.097
			0	QPSK	Level6-D1	1	50	132072/1720	10.00	25.00	3.215	0.03	0.102
			0	QPSK	Level6-D1	1	0	132572/1770	10.00	25.00	2.942	0.03	0.093
			0	QPSK	Level6-D1	50%	0	132572/1770	10.00	24.00	2.567	0.04	0.102
			0	QPSK	Level6-D1	50%	25	132072/1720	10.00	24.00	2.455	0.04	0.098
			0	QPSK	Level6-D1	50%	0	132322/1745	10.00	24.00	2.400	0.04	0.096
			0	QPSK	Level6-D1	100%	0	132572/1770	10.00	24.00	2.700	0.04	0.107
			0	QPSK	Level6-D1	100%	0	132072/1720	10.00	24.00	2.909	0.04	0.116



			0	QPSK	Level6-D1	100%	0	132322/1745	10.00	24.00	2.651	0.04	0.106
Main (ANT 2)	Left Edge		0	QPSK	Level3	1	0	132322/1745	10.00	25.00	2.674	0.03	0.085
			0	QPSK	Level3	1	50	132072/1720	10.00	25.00	2.839	0.03	0.090
			0	QPSK	Level3	1	0	132572/1770	10.00	25.00	2.748	0.03	0.087
			0	QPSK	Level3	50%	25	132072/1720	10.00	24.00	2.372	0.04	0.094
			0	QPSK	Level3	50%	0	132322/1745	10.00	24.00	2.185	0.04	0.087
			0	QPSK	Level3	50%	0	132572/1770	10.00	24.00	2.157	0.04	0.086
			0	QPSK	Level3	100%	0	132072/1720	10.00	24.00	2.320	0.04	0.092
			0	QPSK	Level3	100%	0	132322/1745	10.00	24.00	2.359	0.04	0.094
			0	QPSK	Level3	100%	0	132572/1770	10.00	24.00	2.505	0.04	0.100

10.3 Simultaneous Transmission Analysis

Simultaneous Transmission Configurations	Head	Body-worn	Hotspot	Product Specific 10-g SAR
GSM / WCDMA / LTE/ NR + Bluetooth	Yes	Yes	Yes	Yes
GSM / WCDMA / LTE/ NR + Wi-Fi 2.4GHz	Yes	Yes	Yes	Yes
GSM / WCDMA / LTE/ NR + Wi-Fi 5GHz	Yes	Yes	Yes	Yes
Wi-Fi 2.4GHz + Wi-Fi 5GHz	Yes	Yes	Yes	Yes
GSM / WCDMA / LTE/ NR + Wi-Fi 2.4GHz + Wi-Fi 5GHz	Yes	Yes	Yes	Yes
Wi-Fi 2.4GHz + Bluetooth	N/A	N/A	N/A	N/A
Wi-Fi 5GHz + Bluetooth	N/A	N/A	N/A	N/A
Main Antenna + DIV Antenna	N/A	N/A	N/A	N/A

General Note:

1. The Scaled SAR summation is calculated based on the same configuration and test position.
2. Per KDB 447498 D01, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation < 1.6W/kg, simultaneously transmission SAR measurement is not necessary.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.



The maximum SAR_{1g} Value for GSM / WCDMA / LTE/ NR

Test Position		SAR _{1g/10g} (W/kg)		GSM 850		GSM 1900		WCDMA II		WCDMA IV		WCDMA V		LTE Band 40		LTE Band 41		MAX.
		Ant 0	Ant 6	Ant 1	Ant 4	Ant 1	Ant 4	Ant 1	Ant 4	Ant 0	Ant 6	Ant 1	Ant 4	Ant 1	Ant 4	Ant 1	Ant 4	SAR _{1g/10g}
Head	Left Cheek	0.158	0.054	0.126	0.276	0.281	0.586	0.268	0.469	0.099	0.081	0.119	0.625	0.305	0.588	0.625		
	Left Tilt	0.063	0.046	0.025	0.255	0.082	0.465	0.118	0.637	0.060	0.081	0.049	0.660	0.062	0.656	0.660		
	Right Cheek	0.073	0.061	0.063	0.793	0.188	0.796	0.184	0.692	0.142	0.078	0.072	0.939	0.153	0.988	0.988		
	Right Tilt	0.122	0.055	0.042	0.475	0.145	0.787	0.090	0.565	0.104	0.073	0.085	0.877	0.127	0.890	0.890		
Body worn	Back Side	0.327	0.009	0.268	0.096	0.640	0.264	0.571	0.337	0.334	0.011	0.418	0.218	0.616	0.251	0.640		
	Front Side	0.232	0.010	0.210	0.061	0.603	0.195	0.483	0.419	0.273	0.015	0.248	0.149	0.398	0.200	0.603		
Hotspot	Back Side	0.520	0.031	0.476	0.279	0.289	0.659	0.466	0.699	0.631	0.032	0.740	0.446	0.626	0.513	0.740		
	Front Side	0.308	0.035	0.431	0.172	0.269	0.307	0.349	0.504	0.505	0.021	0.515	0.326	0.470	0.365	0.515		
	Left Edge	N/A	0.008	0.116	0.160	0.111	0.396	0.127	0.659	N/A	0.010	0.051	0.139	0.078	0.148	0.659		
	Right Edge	0.357	N/A	0.080	N/A	0.000	N/A	0.063	N/A	0.147	N/A	0.000	N/A	0.000	N/A	0.357		
	Top Edge	N/A	0.021	N/A	0.132	N/A	0.320	N/A	0.288	N/A	0.018	N/A	0.352	N/A	0.537	0.537		
Product Specific 10-g SAR	Bottom Edge	0.470	N/A	0.648	N/A	0.739	N/A	0.797	N/A	0.492	N/A	1.001	N/A	1.002	N/A	1.002		
	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Product Specific 10-g SAR	Bottom Edge	0.000	0.000	0.000	0.000	3.383	0.000	3.280	0.000	0.000	0.000	N/A	0.000	3.318	0.000	3.383		

Test Position		SAR _{1g/10g} (W/kg)		LTE Band 2		LTE Band 4		LTE Band 5		LTE Band 7		LTE Band 12		LTE Band 28A		LTE Band 28B		LTE Band 66			MAX.
		Ant 1	Ant 4	Ant 1	Ant 4	Ant 0	Ant 6	Ant 1	Ant 4	Ant 0	Ant 6	Ant 0	Ant 6	Ant 0	Ant 6	Ant 2	Ant 1	Ant 4	SAR _{1g/10g}		
Head	Left Cheek	0.253	0.429	0.302	0.381	0.139	0.423	0.374	0.501	0.025	0.243	0.010	0.100	0.080	0.163	0.539	0.077	0.468	0.539		
	Left Tilt	0.050	0.358	0.059	0.558	0.040	0.341	0.117	0.479	0.012	0.224	0.002	0.090	0.040	0.165	0.286	0.079	0.390	0.558		
	Right Cheek	0.170	0.794	0.202	0.626	0.119	0.540	0.162	0.860	0.052	0.319	0.034	0.119	0.068	0.228	0.867	0.124	0.839	0.867		
	Right Tilt	0.108	0.636	0.089	0.700	0.067	0.429	0.111	0.714	0.013	0.318	0.022	0.148	0.048	0.210	0.310	0.033	0.507	0.714		
Body worn	Back Side	0.566	0.233	0.501	0.209	0.344	0.014	0.703	0.274	0.151	0.029	0.173	0.016	0.246	0.043	0.613	0.347	0.185	0.703		
	Front Side	0.474	0.139	0.391	0.225	0.157	0.029	0.581	0.234	0.081	0.019	0.087	0.018	0.192	0.034	0.346	0.285	0.197	0.581		
Hotspot	Back Side	0.556	0.639	0.509	0.682	0.507	0.102	0.535	0.620	0.245	0.094	0.343	0.058	0.361	0.060	0.567	0.400	0.365	0.682		
	Front Side	0.444	0.310	0.369	0.606	0.223	0.113	0.369	0.429	0.110	0.107	0.254	0.060	0.255	0.084	0.220	0.268	0.340	0.606		
	Left Edge	0.157	0.295	0.060	0.668	N/A	0.013	0.122	0.436	N/A	0.064	N/A	0.017	N/A	0.022	0.815	0.718	0.476	0.815		
	Right Edge	0.116	N/A	0.081	N/A	0.417	N/A	0.000	N/A	0.169	N/A	0.273	N/A	0.210	N/A	0.000	0.000	N/A	0.417		
	Top Edge	N/A	0.179	N/A	0.387	N/A	0.126	N/A	0.479	N/A	0.176	N/A	0.048	N/A	0.057	N/A	N/A	0.353	0.479		
Product Specific 10-g SAR	Bottom Edge	0.766	N/A	0.778	N/A	0.447	N/A	0.799	N/A	0.149	N/A	0.283	N/A	0.229	N/A	0.021	0.000	N/A	0.799		
	Back Side	0.000	0.000	3.160	0.000	0.000	0.000	3.208	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.208		
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.839	3.215	0.000	3.215		
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Product Specific 10-g SAR	Bottom Edge	3.204	0.000	3.198	0.000	0.000	0.000	3.568	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.568		



SAR _{1g/10g} (W/kg)		NR Band n2		NR Band n5		NR Band n7		NR Band n66				MAX. SAR _{1g/10g}
		Ant 1	Ant 4	Ant 0	Ant 6	Ant 1	Ant 4	Ant 2 (SA)	Ant 2 (NSA)	Ant 1	Ant 4	
Head	Left Cheek	0.147	0.599	0.085	0.336	0.206	0.387	0.442	0.383	0.046	0.348	0.599
	Left Tilt	0.036	0.441	0.051	0.302	0.045	0.436	0.168	0.152	0.029	0.253	0.441
	Right Cheek	0.071	1.021	0.103	0.408	0.126	0.781	0.938	0.762	0.034	0.753	1.021
	Right Tilt	0.071	0.781	0.053	0.373	0.068	0.877	0.310	0.230	0.012	0.443	0.877
Body worn	Back Side	0.229	0.203	0.367	0.050	0.542	0.223	0.394		0.171	0.203	0.542
	Front Side	0.193	0.179	0.288	0.055	0.485	0.142	0.242		0.135	0.172	0.485
Hotspot	Back Side	0.732	0.477	0.623	0.093	0.674	0.434	0.295		0.317	0.439	0.732
	Front Side	0.515	0.432	0.410	0.113	0.524	0.296	0.208		0.249	0.350	0.524
	Left Edge	0.455	0.381	N/A	0.000	0.171	0.510	0.512		0.100	0.474	0.512
	Right Edge	0.000	N/A	0.389	N/A	0.037	N/A	0.000		0.000	N/A	0.389
	Top Edge	N/A	0.420	N/A	0.115	N/A	0.286	N/A		N/A	0.334	0.420
	Bottom Edge	0.960	N/A	0.387	N/A	1.050	N/A	0.000		0.531	N/A	1.050
Product Specific 10-g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000
	Bottom Edge	0.000	0.000	0.000	0.000	3.451	0.000	0.000		0.000	0.000	3.451

SAR _{1g/10g} (W/kg)		NR Band n41				NR Band n77				NR Band n78				MAX. SAR _{1g/10g}
		Ant 3	Ant 6	Ant 1	Ant 4	Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2	
Head	Left Cheek	0.272	0.400	0.190	0.255	0.162	0.414	0.138	0.091	0.259	0.483	0.240	0.245	0.483
	Left Tilt	0.186	0.464	0.049	0.364	0.162	0.508	0.204	0.038	0.324	0.754	0.200	0.079	0.754
	Right Cheek	0.795	0.405	0.113	0.481	0.272	0.234	0.286	0.117	0.509	0.414	0.550	0.336	0.795
	Right Tilt	0.267	0.645	0.073	0.680	0.252	0.366	0.275	0.067	0.430	0.471	0.341	0.132	0.680
Body worn	Back Side	0.388	0.205	0.170	0.218	0.366	0.083	0.309	0.124	0.596	0.151	0.418	0.288	0.596
	Front Side	0.202	0.092	0.133	0.183	0.058	0.099	0.027	0.045	0.059	0.152	0.043	0.122	0.202
Hotspot	Back Side	0.595	0.297	0.317	0.306	0.478	0.072	0.107	0.177	0.691	0.171	0.187	0.472	0.691
	Front Side	0.242	0.185	0.232	0.213	0.064	0.177	0.004	0.055	0.096	0.309	0.015	0.184	0.309
	Left Edge	0.783	0.074	0.073	0.090	0.474	0.030	0.014	0.184	0.675	0.045	0.032	0.493	0.783
	Right Edge	N/A	N/A	0.013	N/A	N/A	0.050	N/A	N/A	N/A	0.078	N/A	N/A	0.078
	Top Edge	0.122	0.478	N/A	0.346	0.154	N/A	0.023	N/A	0.224	N/A	0.063	N/A	0.478
	Bottom Edge	N/A	N/A	0.799	N/A	N/A	0.034	N/A	N/A	N/A	0.038	N/A	N/A	0.799
Product Specific 10-g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.314	0.000	0.000	0.000	1.314
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	1.638	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.177	0.000	0.000	0.000	1.638
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



SAR _{1g/10g} (W/kg)		NR Band n41				NR Band n77				NR Band n78			
		Ant 3	Ant 6	Ant 1	Ant 4	Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2
Head	Left Cheek	0.272	0.400	0.190	0.255	0.162	0.414	0.138	0.091	0.259	0.263	0.240	0.245
	Left Tilt	0.186	0.464	0.049	0.364	0.162	0.508	0.204	0.038	0.324	0.389	0.200	0.079
	Right Cheek	0.440	0.246	0.113	0.263	0.272	0.234	0.286	0.117	0.509	0.414	0.550	0.336
	Right Tilt	0.228	0.395	0.073	0.361	0.252	0.366	0.275	0.067	0.430	0.471	0.341	0.132
Body worn	Back Side	0.388	0.205	0.170	0.218	0.366	0.083	0.309	0.124	0.285	0.151	0.418	0.288
	Front Side	0.202	0.092	0.133	0.183	0.058	0.099	0.027	0.045	0.059	0.152	0.043	0.122
Hotspot	Back Side	0.595	0.297	0.158	0.133	0.478	0.072	0.107	0.177	0.506	0.171	0.187	0.224
	Front Side	0.242	0.185	0.232	0.213	0.064	0.177	0.004	0.055	0.096	0.309	0.015	0.184
	Left Edge	0.783	0.074	0.073	0.090	0.474	0.030	0.014	0.184	0.675	0.045	0.032	0.493
	Right Edge	N/A	N/A	0.013	N/A	N/A	0.050	N/A	N/A	N/A	0.078	N/A	N/A
	Top Edge	0.122	0.280	N/A	0.346	0.154	N/A	0.023	N/A	0.224	N/A	0.063	N/A
	Bottom Edge	N/A	N/A	0.799	N/A	N/A	0.034	N/A	N/A	N/A	0.038	N/A	N/A
Product Specific 10-g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.314	0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	1.638	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.177	0.000	0.000	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SAR _{1g/10g} (W/kg)		NR Band n41 MIMO				NR Band n77 MIMO				NR Band n78 MIMO				MAX. SAR _{1g/10g}
		Ant 3+1	Ant 3+4	Ant 6+1	Ant 6+4	Ant 3+7	Ant 3+2	Ant 5+7	Ant 5+2	Ant 3+7	Ant 3+2	Ant 5+7	Ant 5+2	
Head	Left Cheek	0.462	0.527	0.59	0.655	0.576	0.253	0.552	0.229	0.522	0.504	0.503	0.485	0.655
	Left Tilt	0.235	0.55	0.513	0.828	0.670	0.200	0.712	0.242	0.713	0.403	0.589	0.279	0.828
	Right Cheek	0.553	0.703	0.359	0.509	0.506	0.389	0.52	0.403	0.923	0.845	0.964	0.886	0.964
	Right Tilt	0.301	0.589	0.468	0.756	0.618	0.319	0.641	0.342	0.901	0.562	0.812	0.473	0.901
Body worn	Back Side	0.558	0.606	0.375	0.423	0.449	0.49	0.392	0.433	0.436	0.573	0.569	0.706	0.706
	Front Side	0.335	0.385	0.225	0.275	0.157	0.103	0.126	0.072	0.211	0.181	0.195	0.165	0.385
Hotspot	Back Side	0.753	0.728	0.455	0.43	0.55	0.655	0.179	0.284	0.677	0.73	0.358	0.411	0.753
	Front Side	0.474	0.455	0.417	0.398	0.241	0.119	0.181	0.059	0.405	0.28	0.324	0.199	0.474
	Left Edge	0.856	0.873	0.147	0.164	0.504	0.658	0.044	0.198	0.72	1.168	0.077	0.525	1.168
	Right Edge	0.013	0.000	0.013	0.000	0.05	0.000	0.05	0.000	0.078	0.000	0.078	0.000	0.078
	Top Edge	0.122	0.468	0.28	0.626	0.154	0.154	0.023	0.023	0.224	0.224	0.063	0.063	0.626
	Bottom Edge	0.799	0.000	0.799	0.000	0.034	0.000	0.034	0.000	0.038	0.000	0.038	0.000	0.799
Product Specific 10-g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.314	1.314	0.000	0.000	1.314
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	1.638	1.638	0.000	0.000	0.000	0.000	0.000	0.000	1.177	1.177	0.000	0.000	1.638
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



10dBm SAR Evaluation

SAR _{1g/10g} (W/kg)		LTE Band 2		LTE Band 5		LTE Band 7		LTE Band 12		LTE Band 28A		LTE Band 28B		LTE Band 66		
		Ant 1	Ant 4	Ant 0	Ant 6	Ant 1	Ant 4	Ant 0	Ant 6	Ant 0	Ant 6	Ant 0	Ant 6	Ant 2	Ant 1	Ant 4
Head	Left Cheek	0.009	0.042	0.005	0.021	0.013	0.063	0.001	0.015	0.000	0.005	0.003	0.008	0.032	0.002	0.059
	Left Tilt	0.002	0.032	0.001	0.018	0.004	0.060	0.000	0.013	0.000	0.005	0.001	0.008	0.016	0.002	0.049
	Right Cheek	0.005	0.089	0.004	0.029	0.006	0.121	0.002	0.020	0.001	0.006	0.002	0.011	0.046	0.004	0.098
	Right Tilt	0.004	0.057	0.002	0.023	0.004	0.090	0.000	0.017	0.001	0.007	0.002	0.011	0.017	0.001	0.062
Body worn	Back Side	0.019	0.012	0.011	0.001	0.024	0.011	0.005	0.001	0.005	0.001	0.008	0.002	0.019	0.011	0.008
	Front Side	0.016	0.007	0.006	0.001	0.018	0.010	0.003	0.001	0.003	0.001	0.006	0.002	0.011	0.009	0.009
Hotspot	Back Side	0.038	0.031	0.017	0.005	0.056	0.025	0.008	0.005	0.011	0.003	0.011	0.003	0.036	0.030	0.017
	Front Side	0.030	0.014	0.008	0.006	0.038	0.018	0.003	0.005	0.008	0.003	0.008	0.004	0.014	0.017	0.016
	Left Edge	0.010	0.014	0.000	0.001	0.012	0.017	0.000	0.004	0.000	0.001	0.000	0.001	0.055	0.045	0.021
	Right Edge	0.008	0.000	0.013	0.000	0.000	0.000	0.005	0.000	0.009	0.000	0.007	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.009	0.000	0.007	0.000	0.022	0.000	0.009	0.000	0.002	0.000	0.003	0.000	0.000	0.017
	Bottom Edge	0.055	0.000	0.014	0.000	0.087	0.000	0.006	0.000	0.009	0.000	0.007	0.000	0.001	0.000	0.000
Product Specific 10-g SAR	Back Side	0.000	0.000	0.000	0.000	0.181	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.116	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.113	0.000	0.000	0.000	0.201	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SAR _{1g/10g} (W/kg)		NR n5		NR n41	NR n66			NR n77				NR n78			
		Ant 0	Ant 6	Ant 3	Ant 2	Ant 1	Ant 4	Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2
Head	Left Cheek	0.003	0.021	0.024	0.034	0.006	0.044	0.029	0.117	0.028	0.018	0.026	0.086	0.024	0.028
	Left Tilt	0.002	0.019	0.017	0.014	0.004	0.032	0.029	0.143	0.041	0.008	0.032	0.134	0.020	0.009
	Right Cheek	0.004	0.026	0.071	0.068	0.004	0.095	0.048	0.066	0.057	0.023	0.051	0.074	0.055	0.038
	Right Tilt	0.002	0.024	0.024	0.020	0.002	0.056	0.045	0.103	0.055	0.013	0.043	0.084	0.034	0.015
Body worn	Back Side	0.015	0.003	0.035	0.028	0.021	0.026	0.065	0.023	0.062	0.025	0.060	0.027	0.042	0.032
	Front Side	0.011	0.003	0.018	0.017	0.017	0.022	0.010	0.028	0.005	0.009	0.006	0.027	0.004	0.014
Hotspot	Back Side	0.025	0.006	0.094	0.029	0.040	0.055	0.135	0.020	0.021	0.035	0.138	0.030	0.019	0.053
	Front Side	0.016	0.007	0.038	0.021	0.031	0.044	0.018	0.050	0.001	0.011	0.019	0.055	0.001	0.021
	Left Edge	0.000	0.000	0.124	0.051	0.013	0.060	0.133	0.009	0.003	0.037	0.135	0.008	0.003	0.055
	Right Edge	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.000	0.000	0.014	0.000	0.000
	Top Edge	0.000	0.007	0.019	0.000	0.000	0.042	0.043	0.000	0.005	0.000	0.045	0.000	0.006	0.000
	Bottom Edge	0.015	0.000	0.000	0.000	0.067	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.007	0.000
Product Specific 10-g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



Band		LTE Full Power, NR 10 dBm												
Band		DC_66A-n5A				DC_28A-n41A		DC_5A-n66A				DC_2A-n66A		EN-DC
		Ant 2+	Ant 2+	Ant 1+	Ant 4+	Ant 0+	Ant 6+	Ant 0+	Ant 6+	Ant 0+	Ant 0+	Ant 1+	Ant 4+	MAX SAR _{1g/10g}
		Ant 0	Ant 6	Ant 0	Ant 0	Ant 3	Ant 3	Ant 2	Ant 2	Ant 1	Ant 4	Ant 2	Ant 2	
Head	Left cheek	0.542	0.560	0.080	0.471	0.104	0.187	0.173	0.457	0.145	0.183	0.287	0.463	0.560
	Left Tilt	0.288	0.305	0.081	0.392	0.057	0.182	0.054	0.355	0.044	0.072	0.064	0.372	0.392
	Right cheek	0.871	0.893	0.128	0.843	0.139	0.299	0.187	0.608	0.123	0.214	0.238	0.862	0.893
	Right Tilt	0.312	0.334	0.035	0.509	0.072	0.234	0.087	0.449	0.069	0.123	0.128	0.656	0.656
Body worn	Back Side	0.628	0.616	0.362	0.200	0.281	0.078	0.372	0.042	0.365	0.370	0.594	0.261	0.628
	Front Side	0.357	0.349	0.296	0.208	0.210	0.052	0.174	0.046	0.174	0.179	0.491	0.156	0.491
Hotspot	Back Side	0.592	0.573	0.425	0.390	0.455	0.154	0.536	0.131	0.547	0.562	0.585	0.668	0.668
	Front Side	0.236	0.227	0.284	0.356	0.293	0.122	0.244	0.134	0.254	0.267	0.465	0.331	0.465
	Left Edge	0.815	0.815	0.718	0.476	0.124	0.146	0.051	0.064	0.013	0.060	0.208	0.346	0.815
	Right Edge	0.015	0.000	0.015	0.015	0.273	0.000	0.417	0.000	0.417	0.417	0.116	0.000	0.417
	Top Edge	0.000	0.007	0.000	0.353	0.019	0.076	0.000	0.126	0.000	0.042	0.000	0.179	0.353
	Bottom Edge	0.036	0.021	0.015	0.015	0.283	0.000	0.447	0.000	0.514	0.447	0.766	0.000	0.766
Product-specific 10g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	2.839	2.839	3.215	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.215
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.204	0.000	3.204

Band		LTE Full Power, NR 10 dBm												
Band		DC_2A-n77A				DC_5A-n77A				DC_12A-n77A				EN-DC
		Ant 1+	Ant 4+	Ant 1+	Ant 1+	Ant 0+	Ant 6+	Ant 0+	Ant 0+	Ant 0+	Ant 6+	Ant 0+	Ant 0+	MAX SAR _{1g/10g}
		Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2	
Head	Left cheek	0.282	0.546	0.281	0.271	0.168	0.540	0.167	0.157	0.054	0.360	0.053	0.043	0.546
	Left Tilt	0.079	0.501	0.091	0.058	0.069	0.484	0.081	0.048	0.041	0.367	0.053	0.020	0.501
	Right cheek	0.218	0.860	0.227	0.193	0.167	0.606	0.176	0.142	0.100	0.385	0.109	0.075	0.860
	Right Tilt	0.153	0.739	0.163	0.121	0.112	0.532	0.122	0.080	0.058	0.421	0.068	0.026	0.739
Body worn	Back Side	0.631	0.256	0.628	0.591	0.409	0.037	0.406	0.369	0.216	0.052	0.213	0.176	0.631
	Front Side	0.484	0.167	0.479	0.483	0.167	0.057	0.162	0.166	0.091	0.047	0.086	0.090	0.484
Hotspot	Back Side	0.691	0.659	0.577	0.591	0.642	0.122	0.528	0.542	0.380	0.114	0.266	0.280	0.691
	Front Side	0.462	0.360	0.445	0.455	0.241	0.163	0.224	0.234	0.128	0.157	0.111	0.121	0.462
	Left Edge	0.290	0.304	0.160	0.194	0.133	0.022	0.003	0.037	0.133	0.073	0.003	0.037	0.304
	Right Edge	0.116	0.014	0.116	0.116	0.417	0.014	0.417	0.417	0.169	0.014	0.169	0.169	0.417
	Top Edge	0.043	0.179	0.005	0.000	0.043	0.126	0.005	0.000	0.043	0.176	0.005	0.000	0.179
	Bottom Edge	0.766	0.010	0.766	0.766	0.447	0.010	0.447	0.447	0.149	0.010	0.149	0.149	0.766
Product-specific 10g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	3.204	0.000	3.204	3.204	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.204

Band		LTE Full Power, NR 10 dBm												
Band		DC_2A-n78A				DC_7A-n78A				DC_28A-n78A				EN-DC MAX SAR _{1g/10g}
		Ant 1+ Ant 3	Ant 4+ Ant 7	Ant 1+ Ant 5	Ant 1+ Ant 2	Ant 1+ Ant 3	Ant 4+ Ant 7	Ant 1+ Ant 5	Ant 1+ Ant 2	Ant 0+ Ant 3	Ant 6+ Ant 7	Ant 0+ Ant 5	Ant 0+ Ant 2	
Head	Left cheek	0.279	0.515	0.277	0.281	0.400	0.587	0.398	0.402	0.106	0.249	0.104	0.108	0.587
	Left Tilt	0.082	0.492	0.070	0.059	0.149	0.613	0.137	0.126	0.072	0.299	0.060	0.049	0.613
	Right cheek	0.221	0.868	0.225	0.208	0.213	0.934	0.217	0.200	0.119	0.302	0.123	0.106	0.934
	Right Tilt	0.151	0.720	0.142	0.123	0.154	0.798	0.145	0.126	0.091	0.294	0.082	0.063	0.798
Body worn	Back Side	0.626	0.260	0.608	0.598	0.763	0.301	0.745	0.735	0.306	0.070	0.288	0.278	0.763
	Front Side	0.480	0.166	0.478	0.488	0.587	0.261	0.585	0.595	0.198	0.061	0.196	0.206	0.595
Hotspot	Back Side	0.694	0.669	0.575	0.609	0.673	0.650	0.554	0.588	0.499	0.090	0.380	0.414	0.694
	Front Side	0.463	0.365	0.445	0.465	0.388	0.484	0.370	0.390	0.274	0.139	0.256	0.276	0.484
	Left Edge	0.292	0.303	0.160	0.212	0.257	0.444	0.125	0.177	0.135	0.030	0.003	0.055	0.444
	Right Edge	0.116	0.014	0.116	0.116	0.000	0.014	0.000	0.000	0.273	0.014	0.273	0.273	0.273
	Top Edge	0.045	0.179	0.006	0.000	0.045	0.479	0.006	0.000	0.045	0.057	0.006	0.000	0.479
	Bottom Edge	0.766	0.007	0.766	0.766	0.799	0.007	0.799	0.799	0.283	0.007	0.283	0.283	0.799
Product-specific 10g SAR	Back Side	0.000	0.000	0.000	0.000	3.208	0.000	3.208	3.208	0.000	0.000	0.000	0.000	3.208
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	3.204	0.000	3.204	3.204	3.568	0.000	3.568	3.568	0.000	0.000	0.000	0.000	3.568

Band		NR Full Power, LTE 10 dBm												
Band		DC_66A-n5A				DC_28A-n41A		DC_2A-n66A		DC_5A-n66A				EN-DC MAX SAR _{1g/10g}
		Ant 2+ Ant 0	Ant 2+ Ant 6	Ant 1+ Ant 0	Ant 4+ Ant 0	Ant 0+ Ant 3	Ant 6+ Ant 3	Ant 1+ Ant 2	Ant 4+ Ant 2	Ant 0+ Ant 2	Ant 6+ Ant 2	Ant 0+ Ant 1	Ant 0+ Ant 4	
Head	Left cheek	0.117	0.368	0.087	0.144	0.275	0.280	0.392	0.425	0.388	0.404	0.051	0.353	0.425
	Left Tilt	0.067	0.318	0.053	0.100	0.187	0.194	0.154	0.184	0.153	0.170	0.030	0.254	0.318
	Right cheek	0.149	0.454	0.107	0.201	0.442	0.451	0.767	0.851	0.766	0.791	0.038	0.757	0.851
	Right Tilt	0.070	0.390	0.054	0.115	0.230	0.239	0.234	0.287	0.232	0.253	0.014	0.445	0.445
Body worn	Back Side	0.386	0.069	0.378	0.375	0.396	0.390	0.413	0.406	0.405	0.395	0.182	0.214	0.413
	Front Side	0.299	0.066	0.297	0.297	0.208	0.204	0.258	0.249	0.248	0.243	0.141	0.178	0.299
Hotspot	Back Side	0.659	0.129	0.653	0.640	0.606	0.598	0.333	0.326	0.312	0.300	0.334	0.456	0.659
	Front Side	0.424	0.127	0.427	0.426	0.250	0.246	0.238	0.222	0.216	0.214	0.257	0.358	0.427
	Left Edge	0.055	0.055	0.045	0.021	0.783	0.784	0.522	0.526	0.512	0.513	0.100	0.474	0.784
	Right Edge	0.389	0.000	0.389	0.389	0.009	0.000	0.008	0.000	0.013	0.000	0.013	0.013	0.389
	Top Edge	0.000	0.115	0.000	0.017	0.122	0.125	0.000	0.009	0.000	0.007	0.000	0.334	0.334
	Bottom Edge	0.388	0.001	0.387	0.387	0.009	0.000	0.055	0.000	0.014	0.000	0.545	0.014	0.545
Product-specific	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



specific	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10g SAR	Left Edge	0.100	0.100	0.116	0.000	1.638	1.638	0.000	0.000	0.000	0.000	0.000	0.000	1.638
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.113	0.000	0.000	0.000	0.000	0.000	0.113

Band		NR Full Power, LTE 10 dBm												
Band		DC_2A-n77A				DC_5A-n77A				DC_12A-n77A				EN-DC
		Ant 1+	Ant 4+	Ant 1+	Ant 1+	Ant 0+	Ant 6+	Ant 0+	Ant 0+	Ant 0+	Ant 6+	Ant 0+	Ant 0+	MAX
		Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2	SAR _{1g/10g}
Head	Left cheek	0.171	0.456	0.147	0.100	0.167	0.435	0.143	0.096	0.163	0.429	0.139	0.092	0.456
	Left Tilt	0.164	0.540	0.206	0.040	0.163	0.526	0.205	0.039	0.162	0.521	0.204	0.038	0.540
	Right cheek	0.277	0.323	0.291	0.122	0.276	0.263	0.290	0.121	0.274	0.254	0.288	0.119	0.323
	Right Tilt	0.256	0.423	0.279	0.071	0.254	0.389	0.277	0.069	0.252	0.383	0.275	0.067	0.423
Body worn	Back Side	0.385	0.095	0.328	0.143	0.377	0.084	0.320	0.135	0.371	0.084	0.314	0.129	0.385
	Front Side	0.074	0.106	0.043	0.061	0.064	0.100	0.033	0.051	0.061	0.100	0.030	0.048	0.106
Hotspot	Back Side	0.516	0.103	0.145	0.215	0.495	0.077	0.124	0.194	0.486	0.077	0.115	0.185	0.516
	Front Side	0.094	0.191	0.034	0.085	0.072	0.183	0.012	0.063	0.067	0.182	0.007	0.058	0.191
	Left Edge	0.484	0.044	0.024	0.194	0.474	0.031	0.014	0.184	0.474	0.034	0.014	0.184	0.484
	Right Edge	0.008	0.050	0.008	0.008	0.013	0.050	0.013	0.013	0.005	0.050	0.005	0.005	0.050
	Top Edge	0.154	0.009	0.023	0.000	0.154	0.007	0.023	0.000	0.154	0.009	0.023	0.000	0.154
Product-specific 10g SAR	Bottom Edge	0.055	0.034	0.055	0.055	0.014	0.034	0.014	0.014	0.006	0.034	0.006	0.006	0.055
	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.113	0.000	0.113	0.113	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.113

Band		NR Full Power, LTE 10 dBm												
Band		DC_2A-n78A				DC_7A-n78A				DC_28A-n78A				EN-DC
		Ant 1+	Ant 4+	Ant 1+	Ant 1+	Ant 1+	Ant 4+	Ant 1+	Ant 1+	Ant 0+	Ant 6+	Ant 0+	Ant 0+	MAX
		Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2	Ant 3	Ant 7	Ant 5	Ant 2	SAR _{1g/10g}
Head	Left cheek	0.268	0.525	0.249	0.254	0.272	0.546	0.253	0.258	0.262	0.491	0.243	0.248	0.546
	Left Tilt	0.326	0.786	0.202	0.081	0.328	0.814	0.204	0.083	0.325	0.762	0.201	0.080	0.814
	Right cheek	0.514	0.503	0.555	0.341	0.515	0.535	0.556	0.342	0.511	0.425	0.552	0.338	0.556
	Right Tilt	0.434	0.528	0.345	0.136	0.434	0.561	0.345	0.136	0.432	0.482	0.343	0.134	0.561
Body worn	Back Side	0.615	0.163	0.437	0.307	0.620	0.162	0.442	0.312	0.604	0.153	0.426	0.296	0.620
	Front Side	0.075	0.159	0.059	0.138	0.077	0.162	0.061	0.140	0.065	0.154	0.049	0.128	0.162
Hotspot	Back Side	0.729	0.202	0.225	0.510	0.747	0.196	0.243	0.528	0.702	0.174	0.198	0.483	0.747
	Front Side	0.126	0.323	0.045	0.214	0.134	0.327	0.053	0.222	0.104	0.313	0.023	0.192	0.327
	Left Edge	0.685	0.059	0.042	0.503	0.687	0.062	0.044	0.505	0.675	0.046	0.032	0.493	0.687
	Right Edge	0.008	0.078	0.008	0.008	0.000	0.078	0.000	0.000	0.009	0.078	0.009	0.009	0.078



	Top Edge	0.224	0.009	0.063	0.000	0.224	0.022	0.063	0.000	0.224	0.003	0.063	0.000	0.224
	Bottom Edge	0.055	0.038	0.055	0.055	0.087	0.038	0.087	0.087	0.009	0.038	0.009	0.009	0.087
Product-specific 10g SAR	Back Side	1.314	0.000	0.000	0.000	1.495	0.000	0.181	0.181	1.314	0.000	0.000	0.000	1.495
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	1.177	0.000	0.000	0.000	1.177	0.000	0.000	0.000	1.177	0.000	0.000	0.000	1.177
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	0.113	0.000	0.113	0.113	0.201	0.000	0.201	0.201	0.000	0.000	0.000	0.000	0.201

SAR _{1g/10g} (W/kg)		Wi-Fi 2.4G			Wi-Fi 2.4G	U-NII-1			U-NII-2A			U-NII-2C			U-NII-3			Wi-Fi 5G
		Ant 7	Ant 9	MIMO	MAX. SAR _{1g/10g}	Ant 8	Ant 9	MIMO	Ant 8	Ant 9	MIMO	Ant 8	Ant 9	MIMO	Ant 8	Ant 9	MIMO	MAX. SAR _{1g/10g}
Head	Left Cheek	0.361	0.395	0.233	0.395	0.363	0.017	0.485	0.365	0.014	0.427	0.393	0.078	0.490	0.121	0.308	0.454	0.490
	Left Tilt	0.341	0.068	0.258	0.341	0.251	0.007	0.341	0.240	0.004	0.375	0.294	0.092	0.425	0.114	0.403	0.395	0.425
	Right Cheek	0.289	0.150	0.224	0.289	0.145	0.000	0.187	0.097	0.025	0.162	0.115	0.069	0.221	0.080	0.253	0.204	0.253
	Right Tilt	0.406	0.033	0.341	0.406	0.134	0.000	0.217	0.113	0.000	0.185	0.123	0.049	0.242	0.114	0.247	0.249	0.249
Body worn	Back Side	0.182	0.196	0.442	0.442	0.336	0.067	0.353	0.291	0.058	0.359	0.198	0.078	0.309	0.345	0.076	0.365	0.365
	Front Side	0.102	0.148	0.235	0.235	0.280	0.061	0.370	0.247	0.054	0.349	0.118	0.103	0.194	0.174	0.069	0.261	0.370
Hotspot	Back Side	0.153	0.255	0.319	0.319	0.185	0.068	0.422	0.185	0.051	0.217	0.279	0.098	0.472	0.414	0.268	0.505	0.505
	Front Side	0.084	0.217	0.143	0.217	0.198	0.067	0.348	0.204	0.056	0.262	0.224	0.066	0.373	0.310	0.101	0.336	0.373
	Left Edge	0.028	0.000	0.000	0.028	0.027	0.075	0.000	0.032	0.058	0.041	0.079	0.064	0.172	0.125	0.073	0.163	0.172
	Right Edge	0.024	0.396	0.098	0.396	0.152	0.050	0.329	0.026	0.058	0.259	0.212	0.110	0.440	0.323	0.285	0.547	0.547
	Top Edge	0.273	0.048	0.378	0.378	0.320	0.078	0.502	0.337	0.054	0.354	0.329	0.066	0.525	0.523	0.257	0.573	0.573
	Bottom Edge	N/A	N/A	N/A	0.000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Product Specific 10-g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	1.617	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.617
	Bottom Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



Test Position		SAR _{1g/10g} (W/kg)				NR (MIMO)	EN-DC						MAX. SAR _{1g/10g}
		GSM/WCDMA/LTE/SA/NSA											
Head	Left Cheek	0.625	0.539	0.599	0.483	0.655	0.560	0.546	0.587	0.425	0.456	0.546	0.656
	Left Tilt	0.660	0.558	0.441	0.754	0.828	0.392	0.501	0.613	0.318	0.540	0.814	0.828
	Right Cheek	0.988	0.867	1.021	0.795	0.964	0.893	0.860	0.934	0.851	0.323	0.556	1.021
	Right Tilt	0.890	0.714	0.877	0.680	0.901	0.656	0.739	0.798	0.445	0.423	0.561	0.901
Body worn	Back Side	0.640	0.703	0.542	0.596	0.706	0.628	0.631	0.763	0.413	0.385	0.620	0.763
	Front Side	0.603	0.581	0.485	0.202	0.385	0.491	0.484	0.595	0.299	0.106	0.162	0.603
Hotspot	Back Side	0.740	0.682	0.732	0.691	0.753	0.668	0.691	0.694	0.659	0.516	0.747	0.753
	Front Side	0.515	0.606	0.524	0.309	0.474	0.465	0.462	0.484	0.427	0.191	0.327	0.606
	Left Edge	0.659	0.815	0.512	0.783	1.168	0.815	0.304	0.444	0.784	0.484	0.687	1.168
	Right Edge	0.357	0.417	0.389	0.078	0.078	0.417	0.417	0.273	0.389	0.050	0.078	0.417
	Top Edge	0.537	0.479	0.420	0.478	0.626	0.353	0.179	0.479	0.334	0.154	0.224	0.626
	Bottom Edge	1.002	0.799	1.050	0.799	0.799	0.766	0.766	0.799	0.545	0.055	0.087	1.050
Product Specific 10-g SAR	Back Side	0.000	3.208	0.000	1.314	1.314	0.000	0.000	3.208	0.000	0.000	1.495	3.208
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	0.000	3.215	0.000	1.638	1.638	3.215	0.000	0.000	1.638	0.000	1.177	3.215
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom Edge	3.383	3.568	3.451	0.000	0.000	3.204	3.204	3.568	0.113	0.113	0.201	3.568



About Wi-Fi and Main-Antenna

SAR _{1g/10g} (W/kg)		GSM/WCDMA/LTE/NR	Wi-Fi 2.4G	Wi-Fi 5G	Bluetooth	MAX. Σ SAR _{1g/10g}			
			MAX. SAR _{1g/10g}	MAX. SAR _{1g/10g}		1	2	3	4
Head	Left Cheek	0.656	0.395	0.490	0.176	0.832	1.051	1.146	1.541
	Left Tilt	0.828	0.341	0.425	0.195	1.023	1.169	1.253	1.594
	Right Cheek	1.021	0.289	0.253	0.120	1.141	1.310	1.274	1.563
	Right Tilt	0.901	0.406	0.249	0.164	1.065	1.307	1.150	1.556
Body worn	Back Side	0.763	0.442	0.365	0.061	0.824	1.205	1.128	1.570
	Front Side	0.603	0.235	0.370	0.023	0.626	0.838	0.973	1.208
Hotspot	Back Side	0.753	0.319	0.505	0.061	0.814	1.072	1.258	1.577
	Front Side	0.606	0.217	0.373	0.023	0.629	0.823	0.979	1.196
	Left Edge	1.168	0.028	0.172	0.000	1.168	1.196	1.340	1.368
	Right Edge	0.417	0.396	0.547	0.000	0.417	0.813	0.964	1.360
	Top Edge	0.626	0.378	0.573	0.128	0.754	1.004	1.199	1.577
	Bottom Edge	1.050	0.000	0.000	0.000	1.050	1.050	1.050	1.050
Product Specific 10-g SAR	Back Side	3.208	0.000	0.000	0.000	3.208	3.208	3.208	3.208
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	3.215	0.000	0.000	0.000	3.215	3.215	3.215	3.215
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	1.617	0.000	0.000	0.000	1.617	1.617
	Bottom Edge	3.568	0.000	0.000	0.000	3.568	3.568	3.568	3.568

Note: 1. The value with blue color is the maximum Σ SAR_{1g/10g} Value.

2. MAX. Σ SAR_{1g/10g} = Unlicensed SAR_{MAX} + Licensed SAR_{MAX}

MAX. Σ SAR_{1g} = 1.594W/kg < 1.6W/kg and MAX. Σ SAR_{10g} = 3.568/kg < 4 W/kg, so the Simultaneous transmission SAR with volum scan are not required for Wi-Fi /Bluetooth and GSM/WCDMA/LTE/NR Antenna.



About Wi-Fi 2.4G and Wi-Fi 5G

SAR _{1g/10g} (W/kg)		Wi-Fi 2.4G			U-NII-1			U-NII-2A			U-NII-2C			U-NII-3			MAX. ΣSAR _{1g/10g}
		Ant 7	Ant 9	MIMO	Ant 8	Ant 9	MIMO	Ant 8	Ant 9	MIMO	Ant 8	Ant 9	MIMO	Ant 8	Ant 9	MIMO	
Head	Left Cheek	0.369	0.395	0.233	1.168	0.017	1.048	0.933	0.014	0.993	0.990	0.078	0.920	1.168	0.308	1.019	1.563
	Left Tilt	0.348	0.068	0.258	0.780	0.007	0.932	0.630	0.004	0.960	0.769	0.092	0.732	0.798	0.403	0.782	1.308
	Right Cheek	0.295	0.150	0.224	0.429	0.000	0.376	0.283	0.025	0.340	0.326	0.069	0.449	0.470	0.253	0.471	0.766
	Right Tilt	0.414	0.033	0.341	0.531	0.000	0.453	0.369	0.000	0.411	0.354	0.049	0.493	0.522	0.247	0.512	0.945
Body worn	Back Side	0.182	0.196	0.472	0.336	0.067	0.353	0.291	0.058	0.359	0.198	0.078	0.309	0.345	0.076	0.365	0.837
	Front Side	0.102	0.148	0.251	0.280	0.061	0.370	0.247	0.054	0.349	0.118	0.103	0.194	0.174	0.069	0.261	0.621
Hotspot	Back Side	0.153	0.255	0.319	0.185	0.068	0.422	0.185	0.051	0.217	0.279	0.098	0.472	0.414	0.268	0.505	0.824
	Front Side	0.084	0.217	0.143	0.198	0.067	0.348	0.204	0.056	0.262	0.224	0.066	0.373	0.310	0.101	0.336	0.590
	Left Edge	0.028	0.000	0.000	0.027	0.075	0.000	0.032	0.058	0.041	0.079	0.064	0.172	0.125	0.073	0.163	0.200
	Right Edge	0.024	0.396	0.098	0.152	0.050	0.329	0.026	0.058	0.259	0.212	0.110	0.440	0.323	0.285	0.547	0.943
	Top Edge	0.273	0.048	0.378	0.320	0.078	0.502	0.337	0.054	0.354	0.329	0.066	0.525	0.523	0.257	0.573	0.951
	Bottom Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Product Specific 10-g SAR	Back Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front Side	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top Edge	0.000	0.000	0.000	0.000	0.000	1.617	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.617
	Bottom Edge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Note: 1. The value with blue color is the maximum ΣSAR_{1g/10g} Value.
2. MAX. ΣSAR_{1g/10g} = Unlicensed SAR_{MAX} + Licensed SAR_{MAX}

MAX. ΣSAR_{1g} = 1.563W/kg < 1.6W/kg and MAX. ΣSAR_{10g} = 1.617 W/kg < 4 W/kg, so the Simultaneous transimtion SAR with volum scan are not required for Wi-Fi 2.4G and Wi-Fi 5G.



11 Measurement Uncertainty

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528- 2013 is not required in SAR reports submitted for equipment approval. This also applies to the 10-g SAR required for phablets in KDB Publication 648474.

*****END OF REPORT *****

ANNEX A: Test Layout

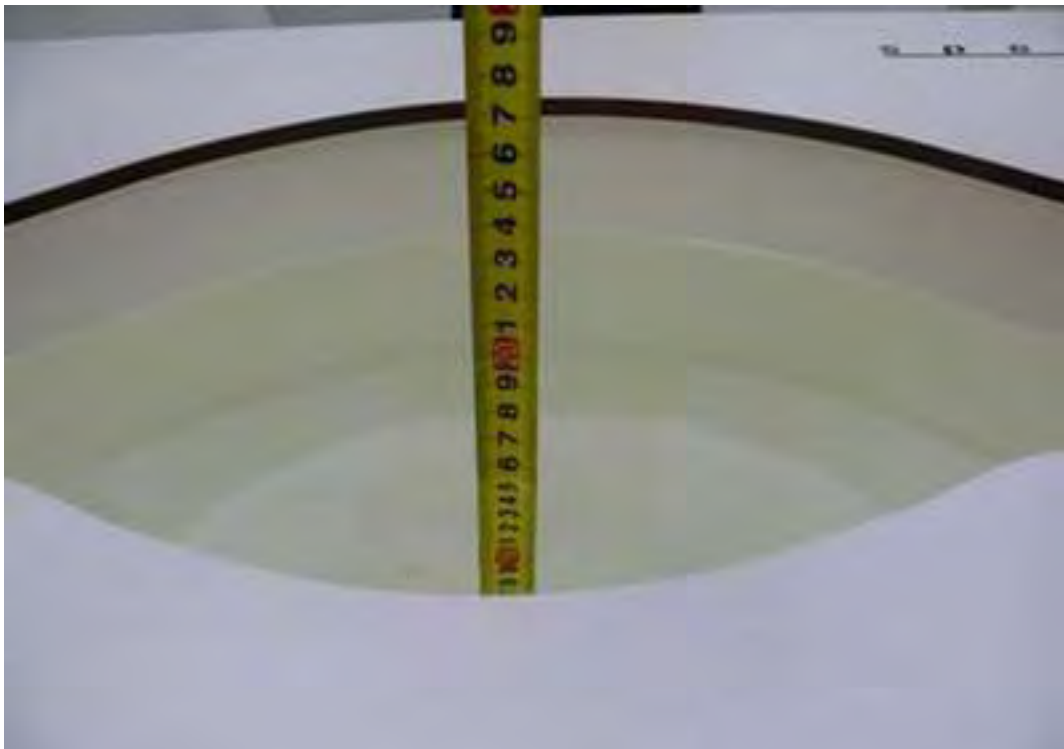


Tissue Simulating Liquids

For the measurement of the field distribution inside the flat phantom with DASy, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For Head and Body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm, which is shown in Picture 3 and Picture 4.



Picture 3: liquid depth in the head Phantom



Picture 4: Liquid depth in the flat Phantom

ANNEX B: System Check Results

Plot 1 System Performance Check at 750 MHz TSL

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1045

Date: 2022/4/19

Communication System: CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.88 \text{ S/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.29 W/kg

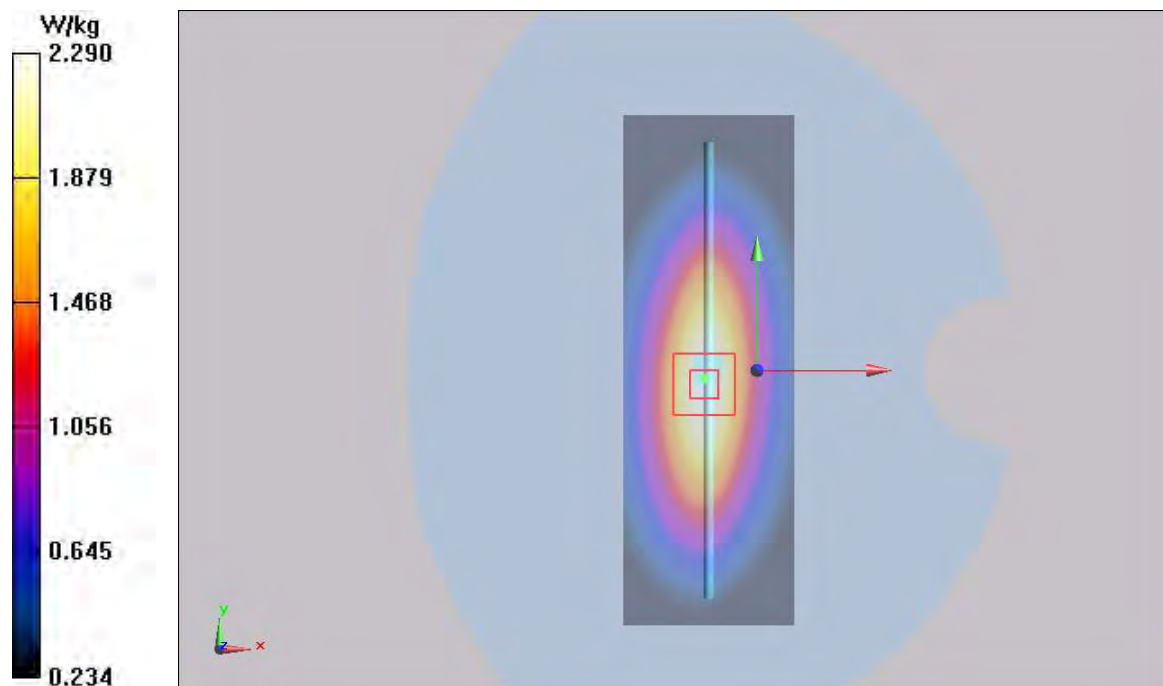
d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.653 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.41 W/kg

Maximum value of SAR (measured) = 2.29 W/kg



Plot 2 System Performance Check at 750 MHz TSL

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1045

Date: 2022/4/23

Communication System: CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 42.0$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.31 W/kg

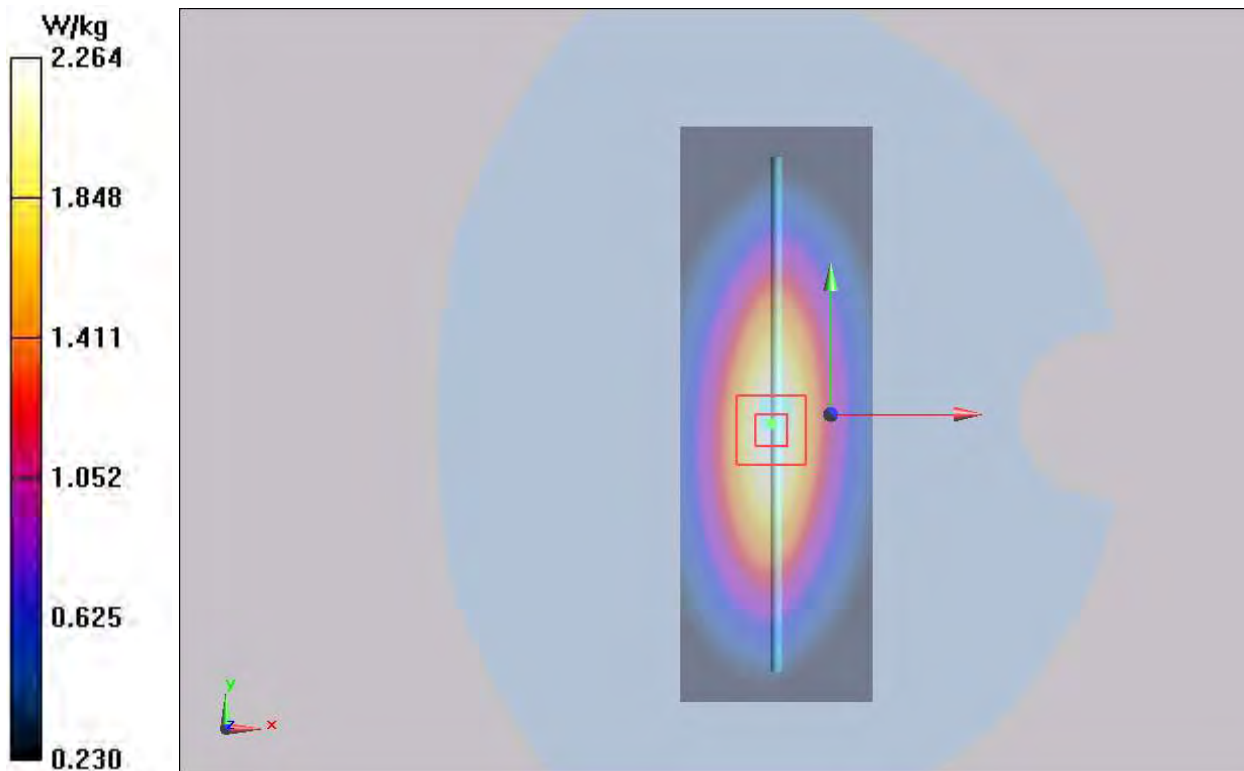
d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.557 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2.10 W/kg; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.264 W/kg



Plot 3 System Performance Check at 750 MHz TSL

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1045

Date: 2022/4/29

Communication System: CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.16 W/kg

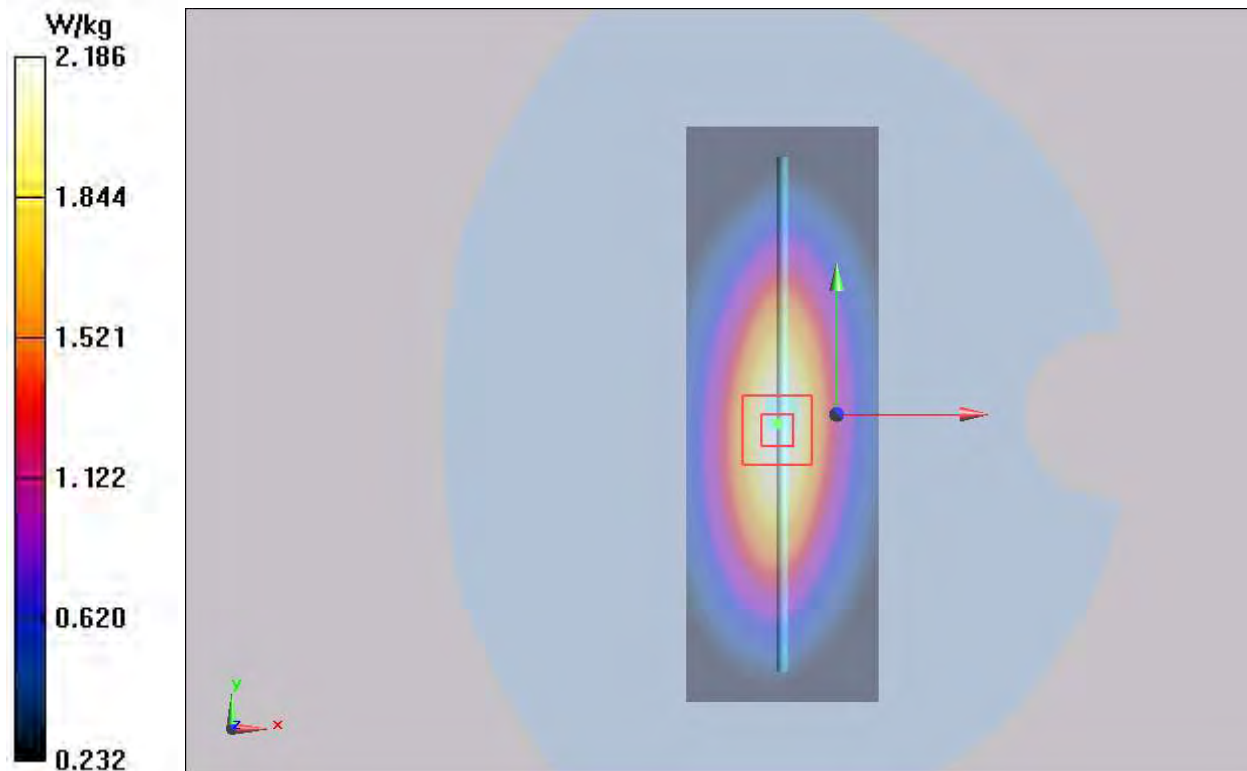
d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.376 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.10 W/kg

SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.34 W/kg

Maximum value of SAR (measured) = 2.186 W/kg



Plot 4 System Performance Check at 835 MHz TSL

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d020

Date: 2022/4/19

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.88 \text{ S/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.64 mW/g

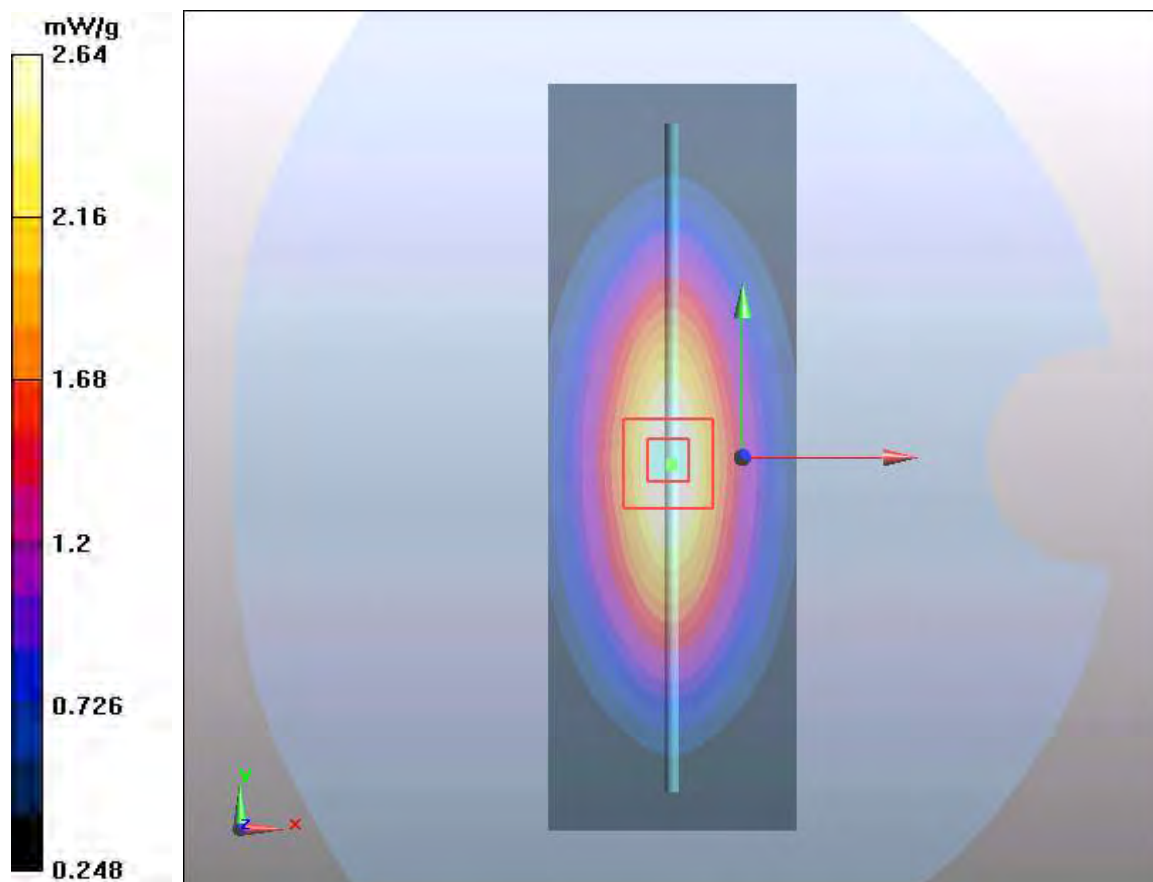
d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.4 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.6 mW/g

Maximum value of SAR (measured) = 2.64 mW/g



Plot 5 System Performance Check at 835 MHz TSL

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d020

Date: 2022/4/20

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.59 mW/g

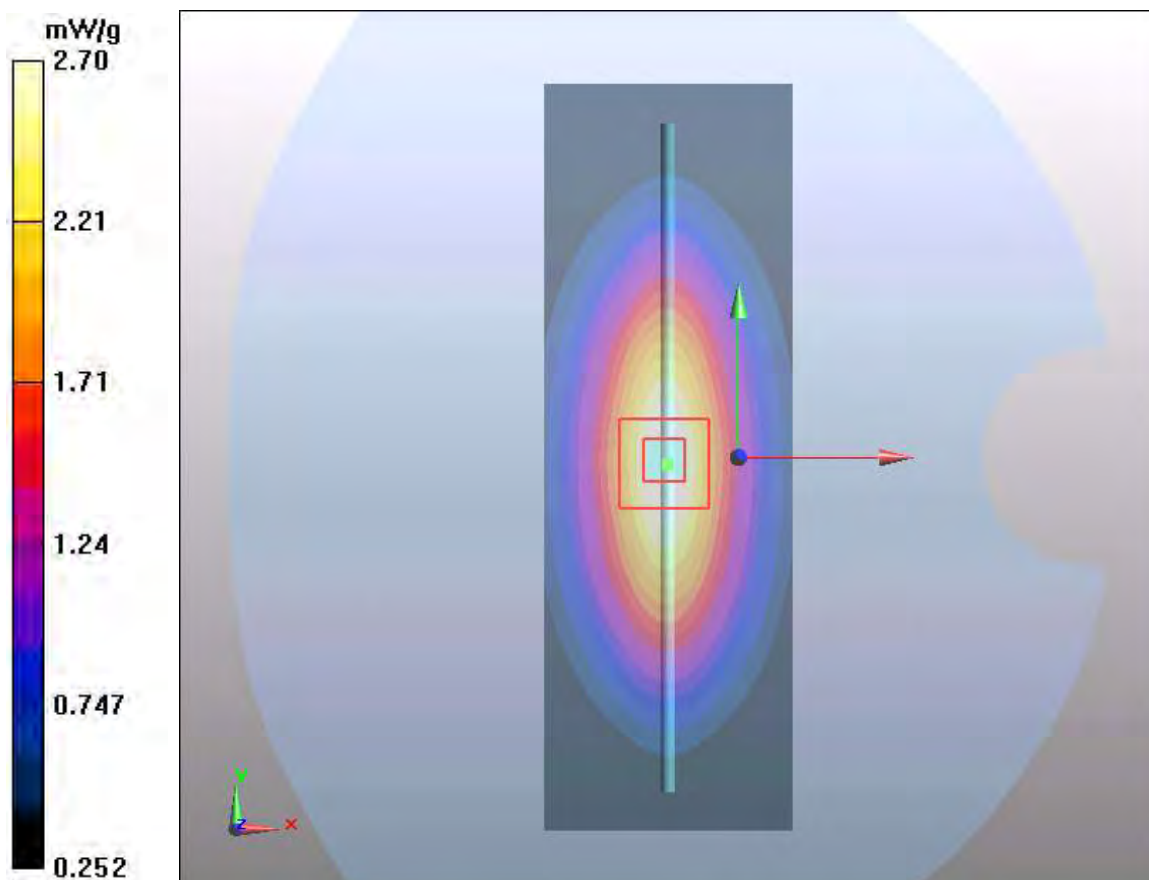
d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.3 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.65 mW/g

Maximum value of SAR (measured) = 2.70 mW/g



Plot 6 System Performance Check at 835 MHz TSL

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d020

Date: 2022/4/30

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=15mm, Pin=250mW/Area Scan (4x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.64 mW/g

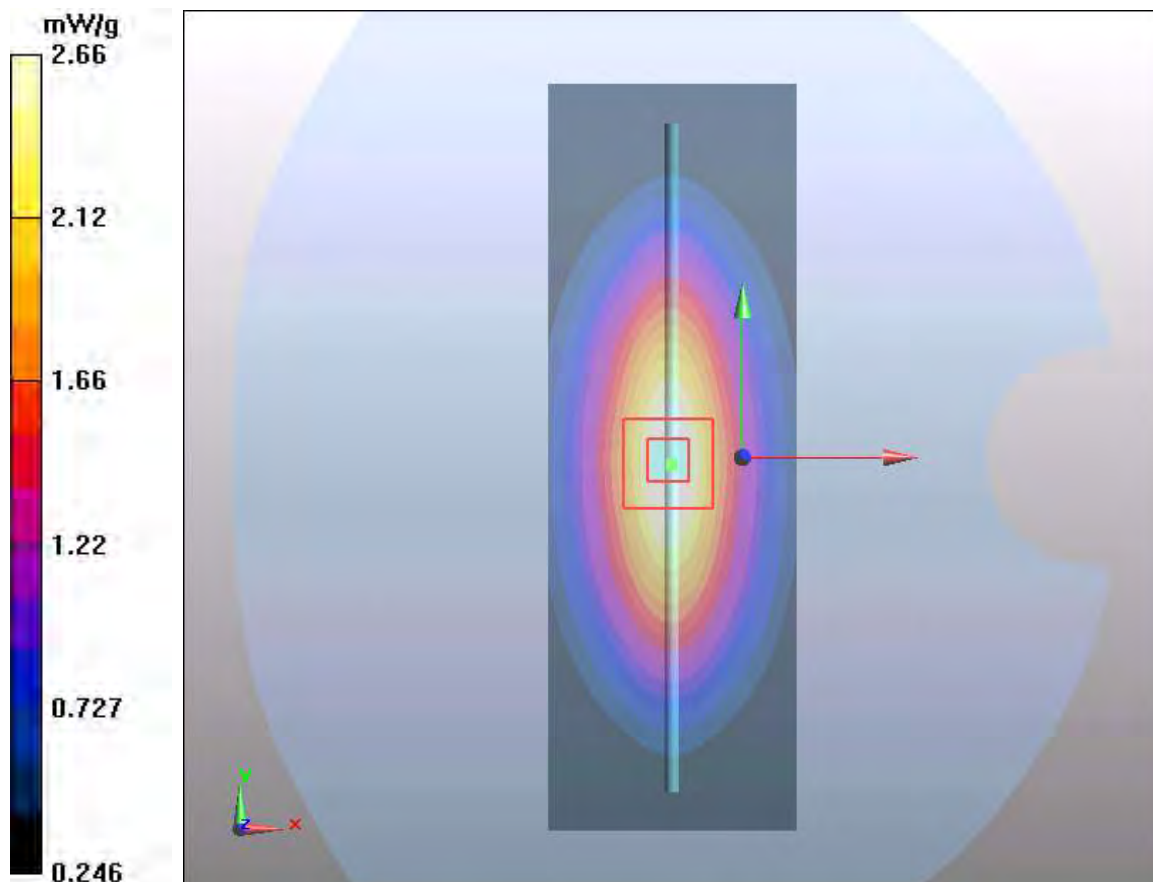
d=15mm, Pin=250mW/Zoom Scan(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.4 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.61 mW/g

Maximum value of SAR (measured) = 2.66 mW/g



Plot 7 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1033

Date: 2022/4/18

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.78 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,

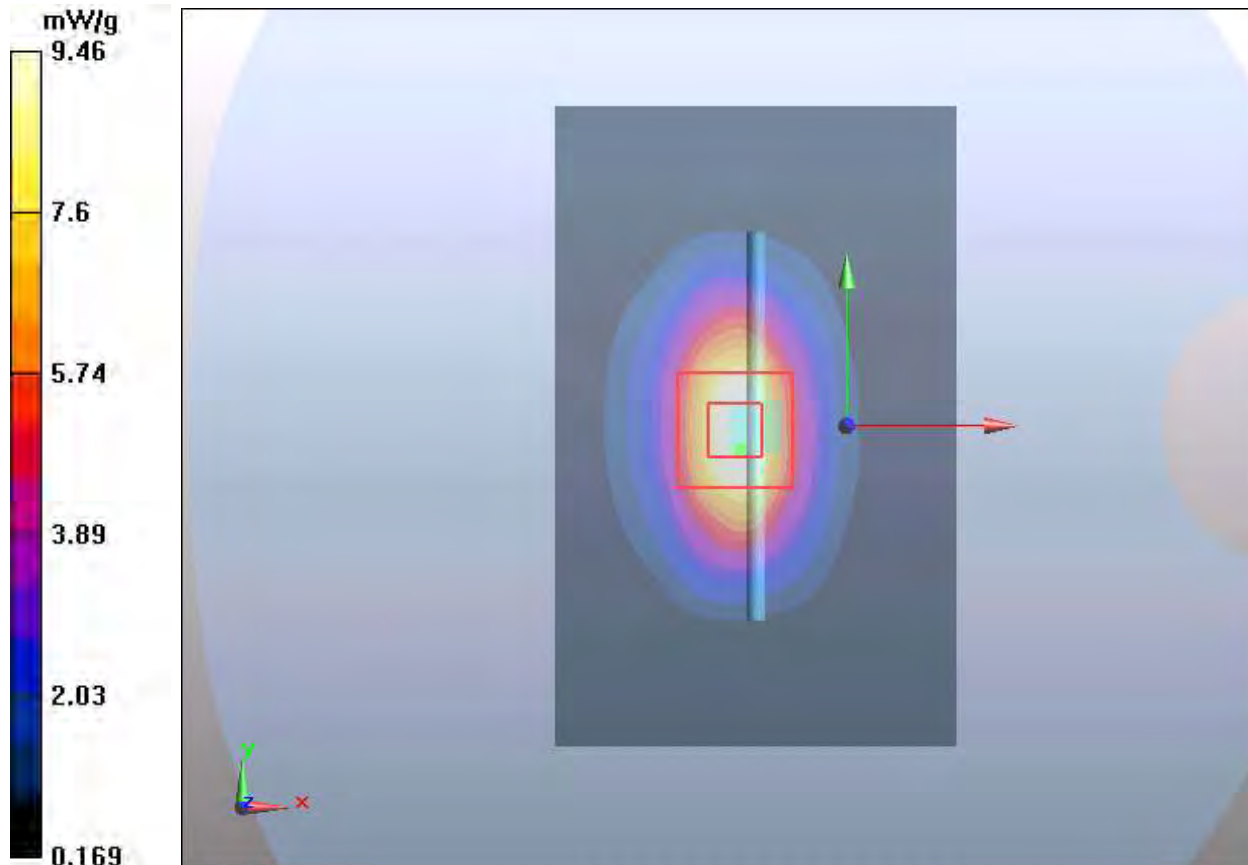
dz=5mm

Reference Value = 80 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 8.95 mW/g; SAR(10 g) = 4.5 mW/g

Maximum value of SAR (measured) = 9.46 mW/g



Plot 8 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1033

Date: 2022/4/22

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.77 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,

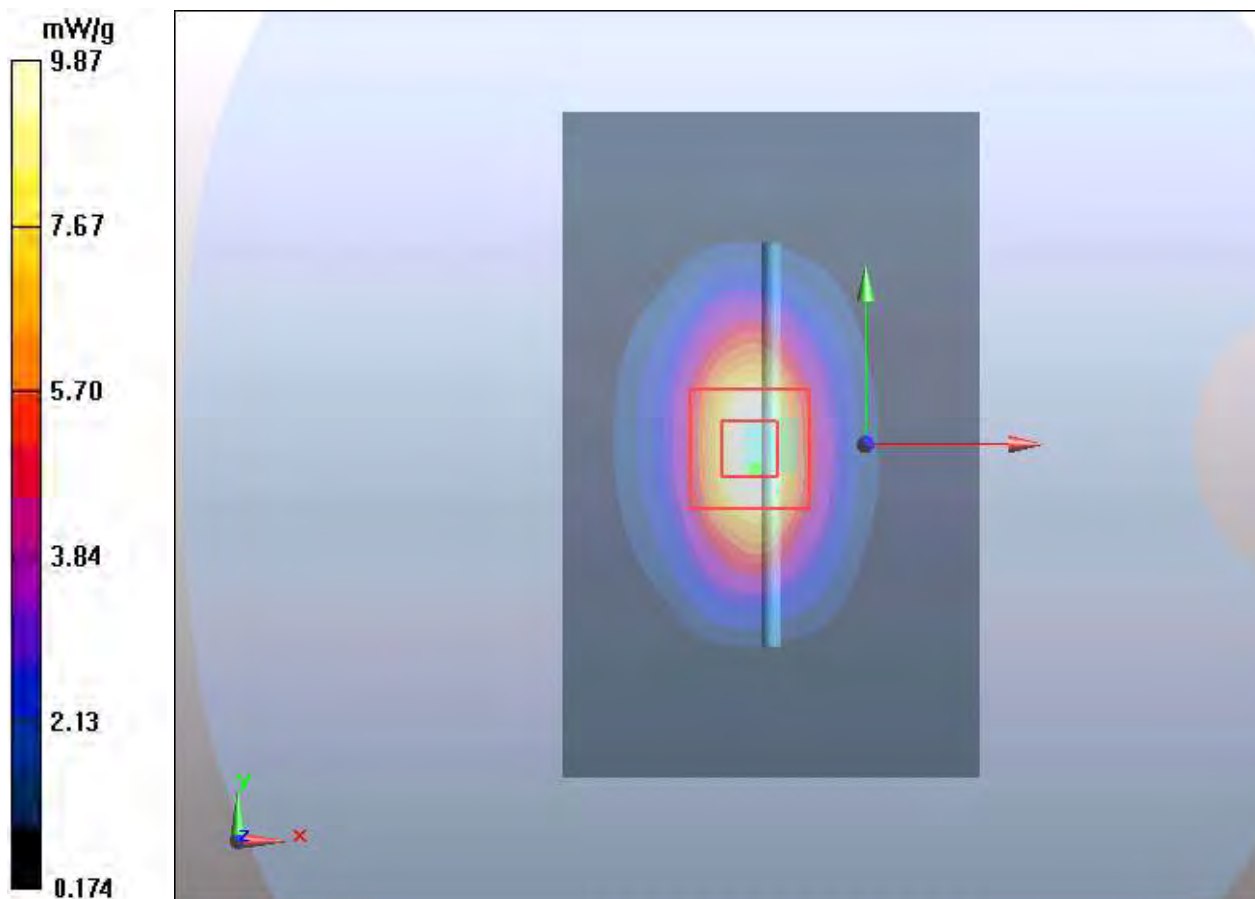
dz=5mm

Reference Value = 80 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 15.51 W/kg

SAR(1 g) = 9.11 mW/g; SAR(10 g) = 4.77 mW/g

Maximum value of SAR (measured) = 9.87 mW/g



Plot 9 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1033

Date: 2022/4/24

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.36 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.11 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,

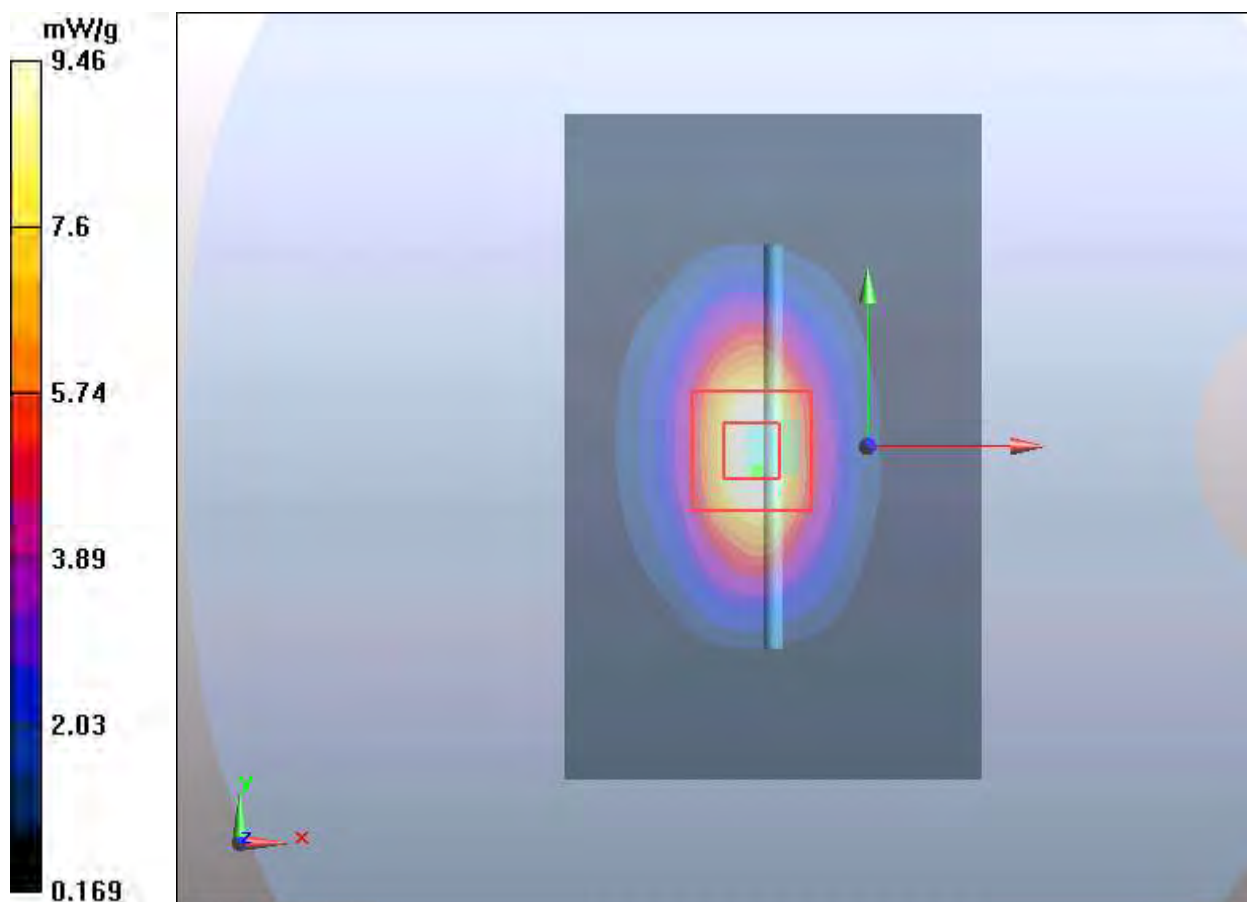
dz=5mm

Reference Value = 80 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 15.47 W/kg

SAR(1 g) = 8.96 mW/g; SAR(10 g) = 4.75 mW/g

Maximum value of SAR (measured) = 9.46 mW/g



Plot 10 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1033

Date: 2022/5/10

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.11 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,

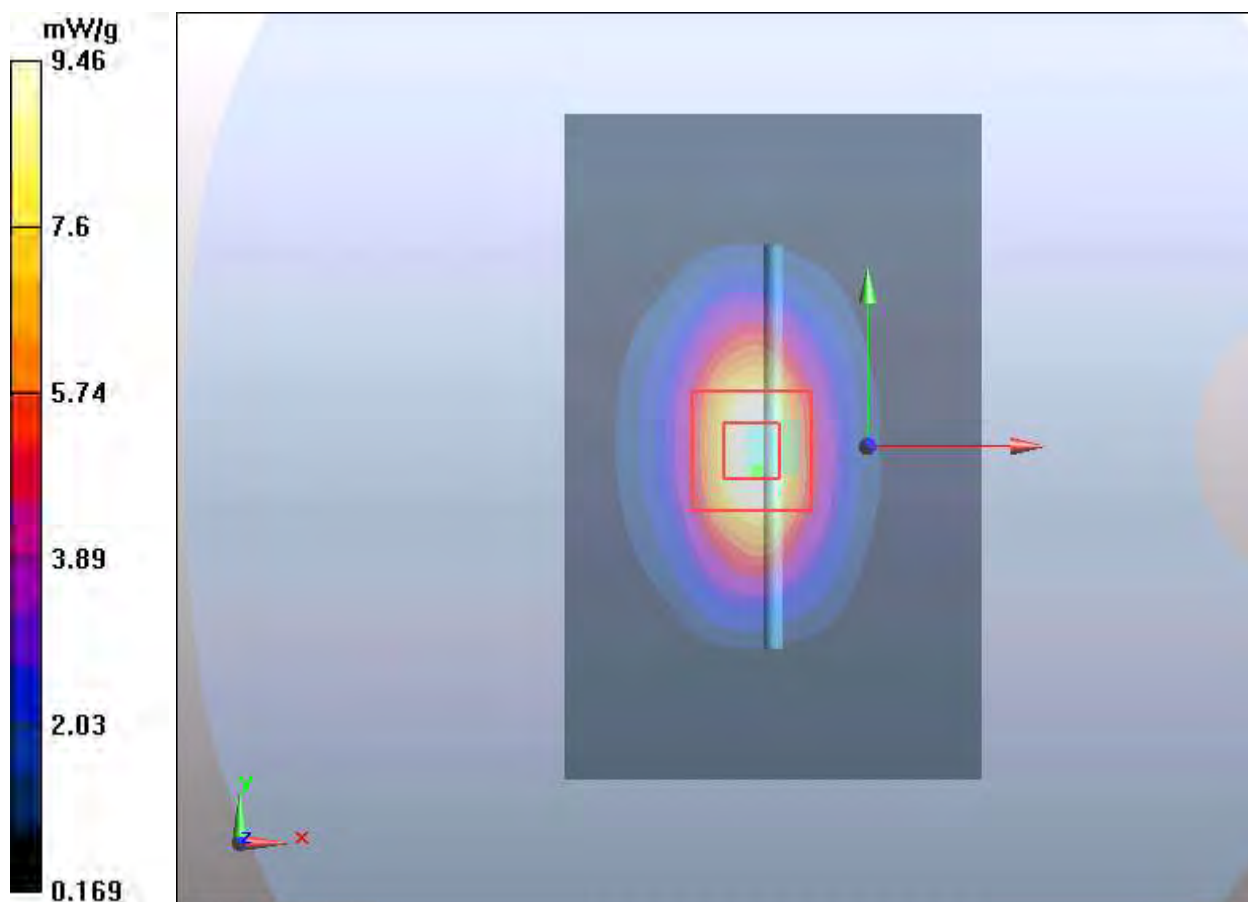
dz=5mm

Reference Value = 80 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 15.47 W/kg

SAR(1 g) = 8.99 mW/g; SAR(10 g) = 4.77 mW/g

Maximum value of SAR (measured) = 9.46 mW/g



Plot 11 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1033

Date: 2022/5/11

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 9.77 mW/g

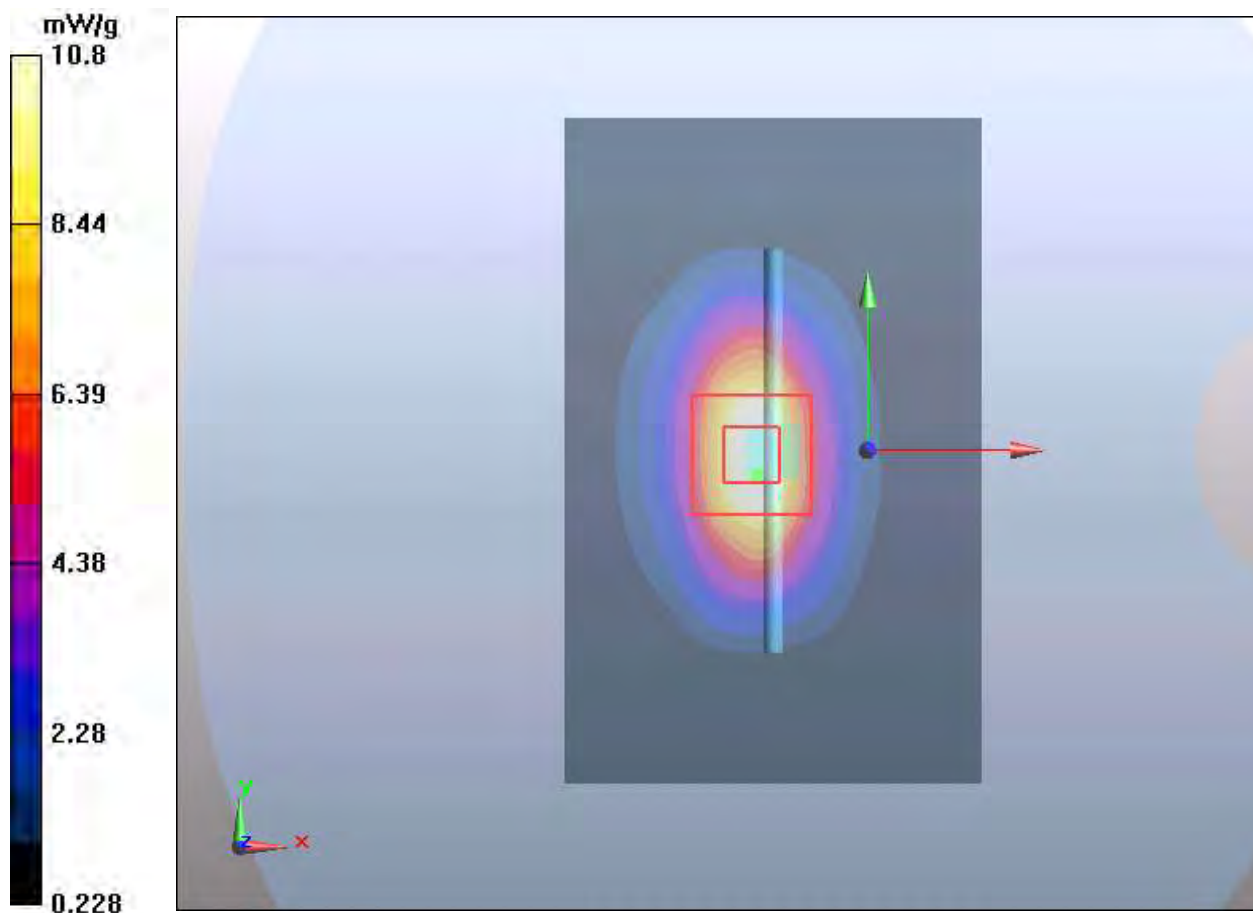
d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 8.92 mW/g; SAR(10 g) = 4.65 mW/g

Maximum value of SAR (measured) = 10.8 mW/g



Plot 12 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1033

Date: 2022/5/23

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.33 \text{ mho/m}$; $\epsilon_r = 40.0$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 9.7 mW/g

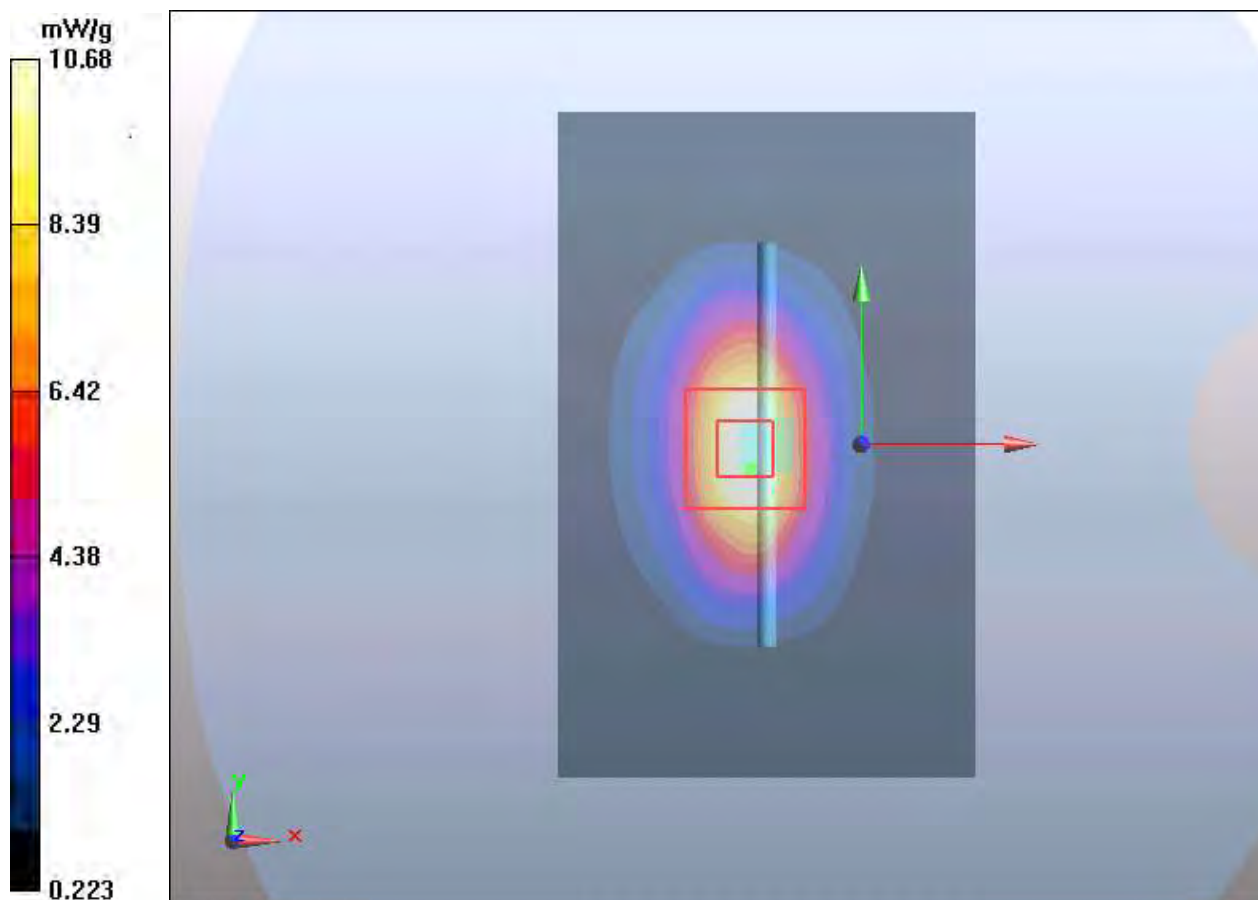
d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 14.8 W/kg

SAR(1 g) = 9.03 mW/g; SAR(10 g) = 4.84 mW/g

Maximum value of SAR (measured) = 10.68 mW/g



Plot 13 System Performance Check at 1750 MHz TSL

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1033

Date: 2022/5/24

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 10.61 mW/g

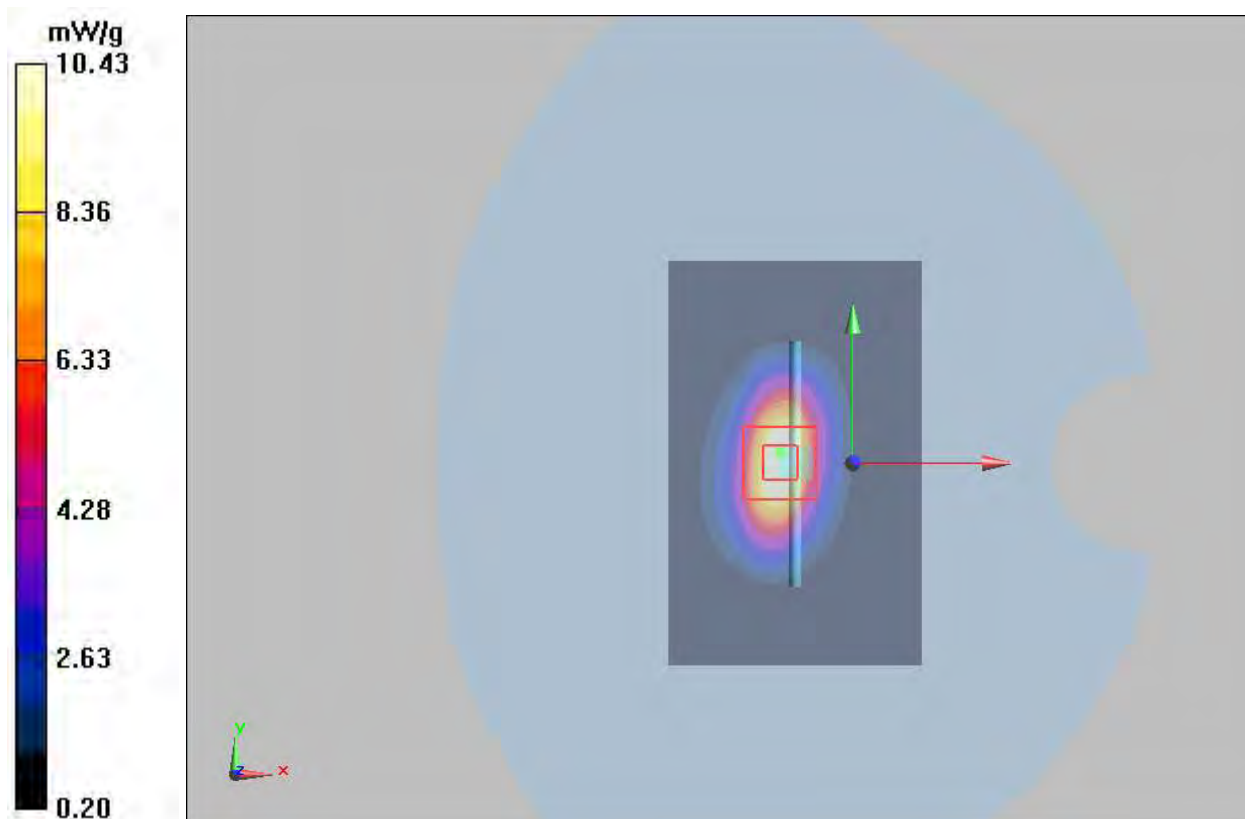
d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.7 V/m; Power Drift = 0.112 dB

Peak SAR (extrapolated) = 16.8 W/kg

SAR(1 g) = 9.43 mW/g; SAR(10 g) = 5.20 mW/g

Maximum value of SAR (measured) = 10.43 mW/g



Plot 14 System Performance Check at 1900 MHz TSL

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d060

Date: 2022/4/17

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 11.3 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,

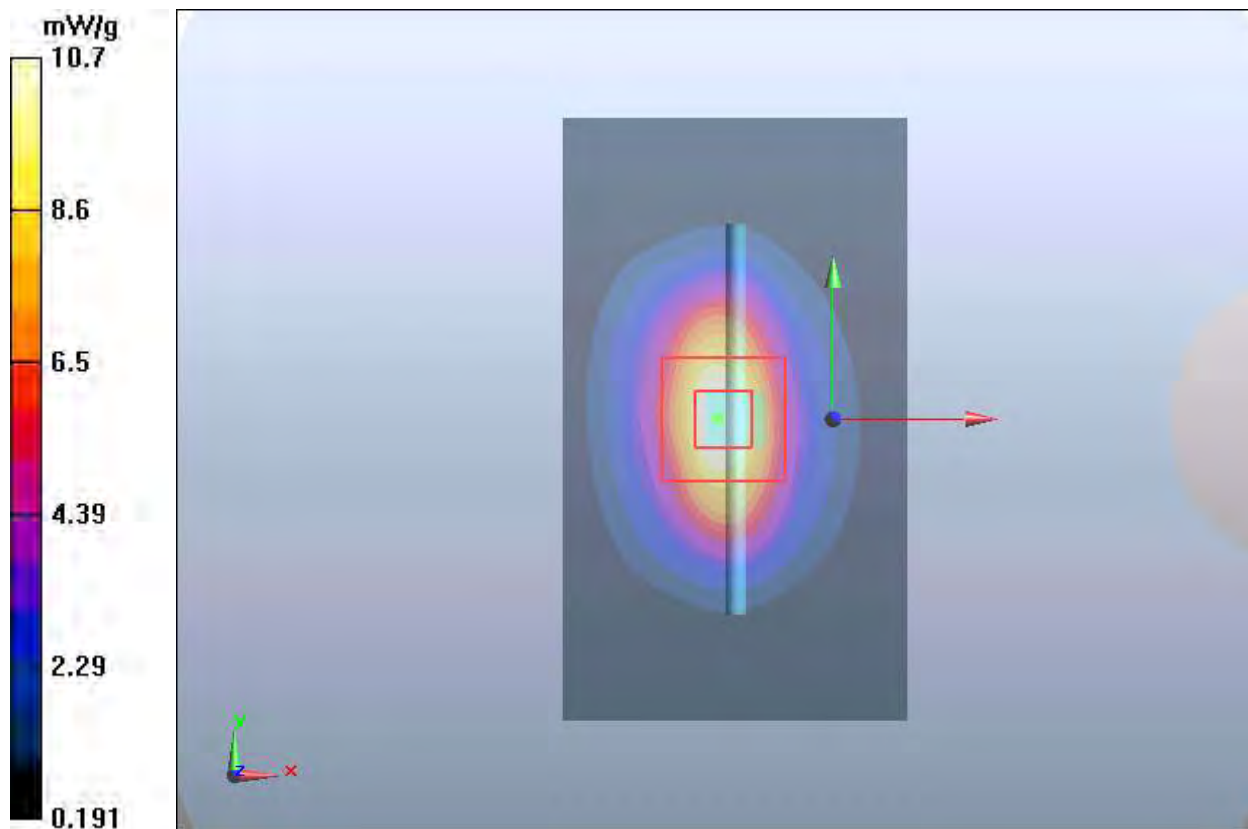
dz=5mm

Reference Value = 85.5 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.88 mW/g; SAR(10 g) = 4.9 mW/g

Maximum value of SAR (measured) = 10.7 mW/g



Plot 15 System Performance Check at 1900 MHz TSL

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d060

Date: 2022/4/25

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.43 \text{ S/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 11.23 mW/g

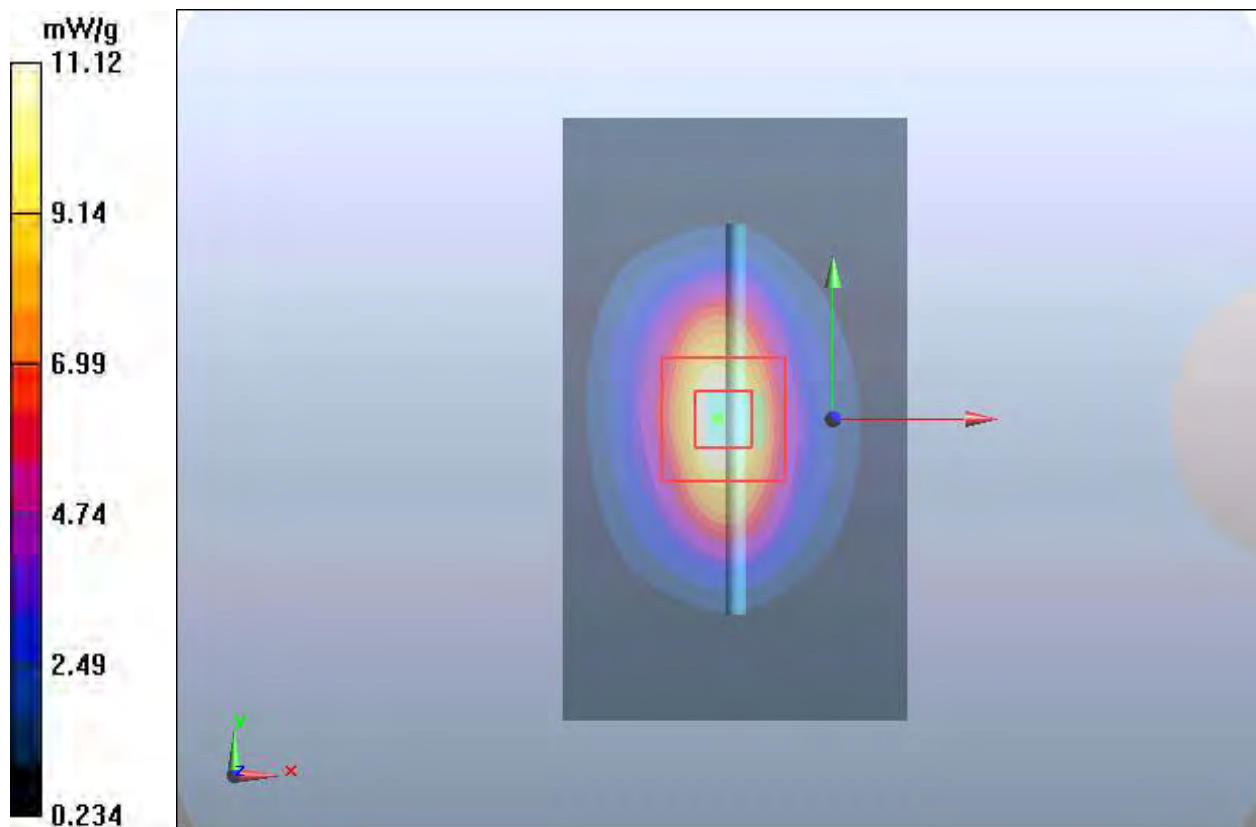
d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.85 mW/g; SAR(10 g) = 4.93 mW/g

Maximum value of SAR (measured) = 11.12 mW/g



Plot 16 System Performance Check at 1900 MHz

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d060

Date: 2022/5/5

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.40 \text{ mho/m}$; $\epsilon_r = 40.0$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.9 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,

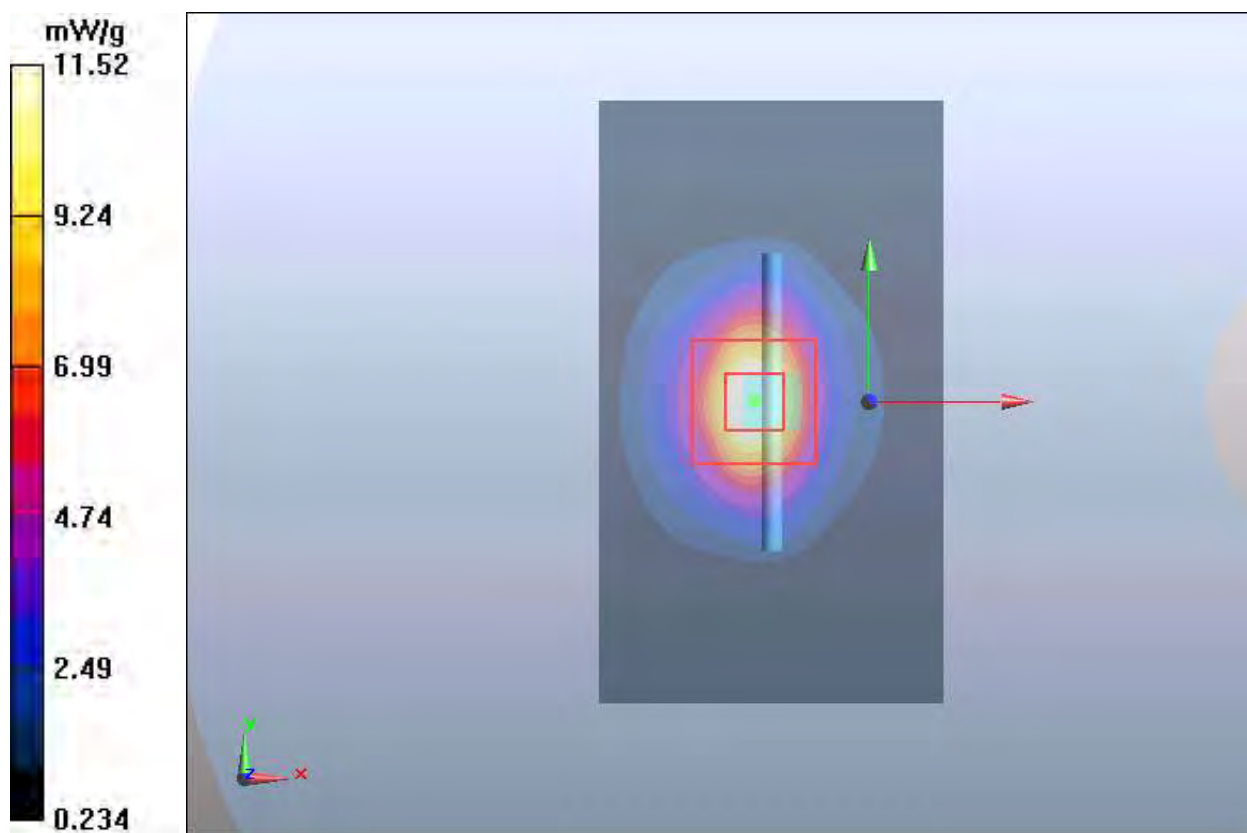
dz=5mm

Reference Value = 87.8 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 20.1 W/kg

SAR(1 g) = 10.55 mW/g; SAR(10 g) = 5.39 mW/g

Maximum value of SAR (measured) = 11.52 mW/g



Plot 17 System Performance Check at 1900 MHz

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d060

Date: 2022/5/22

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.34$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 12.74 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm,

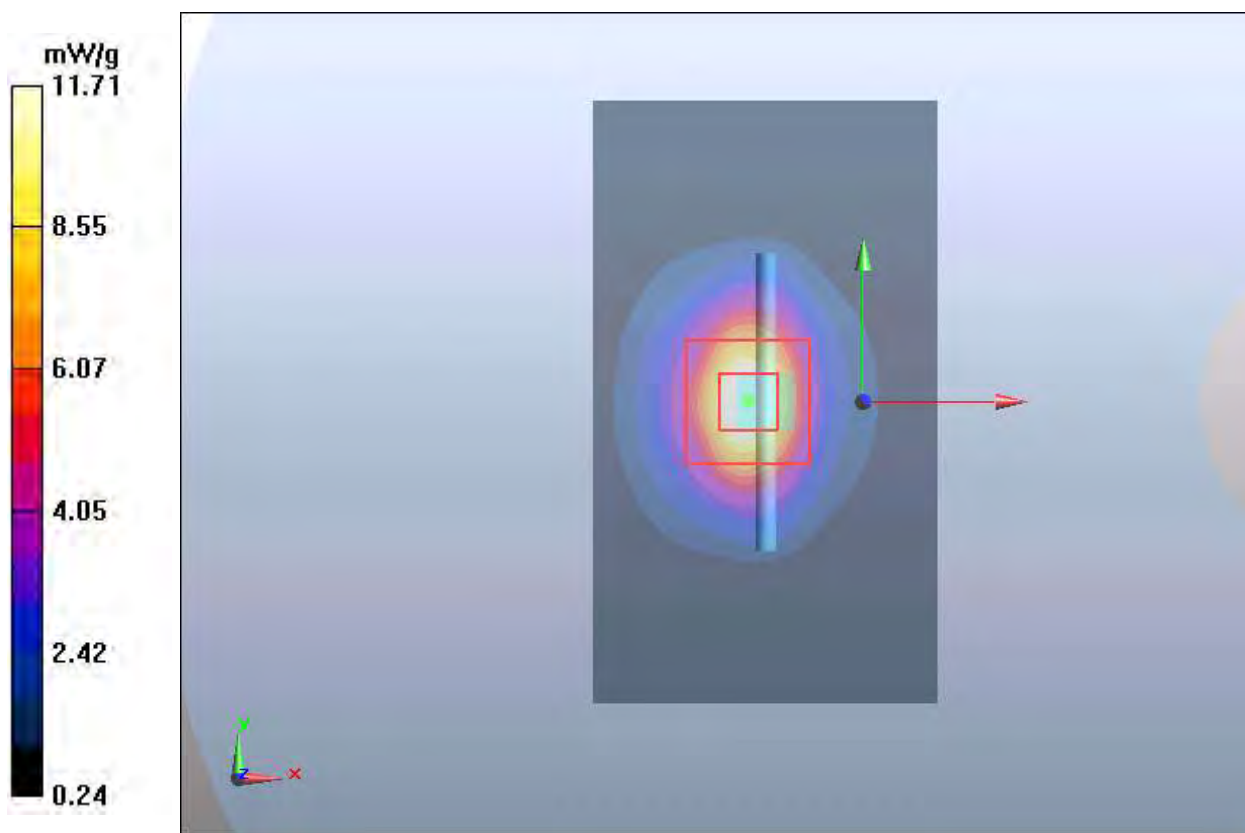
dz=5mm

Reference Value = 87.5 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 10.50 mW/g; SAR(10 g) = 5.38 mW/g

Maximum value of SAR (measured) = 11.71 mW/g



Plot 18 System Performance Check at 2300 MHz TSL

DUT: Dipole 2300 MHz; Type: D2300V2; Serial: 1110

Date: 2022/6/1

Communication System: CW Frequency: 2300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2300$ MHz; $\sigma = 1.65$ S/m; $\epsilon_r = 40.0$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.68, 7.68, 7.68); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (6x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 16.0 W/kg

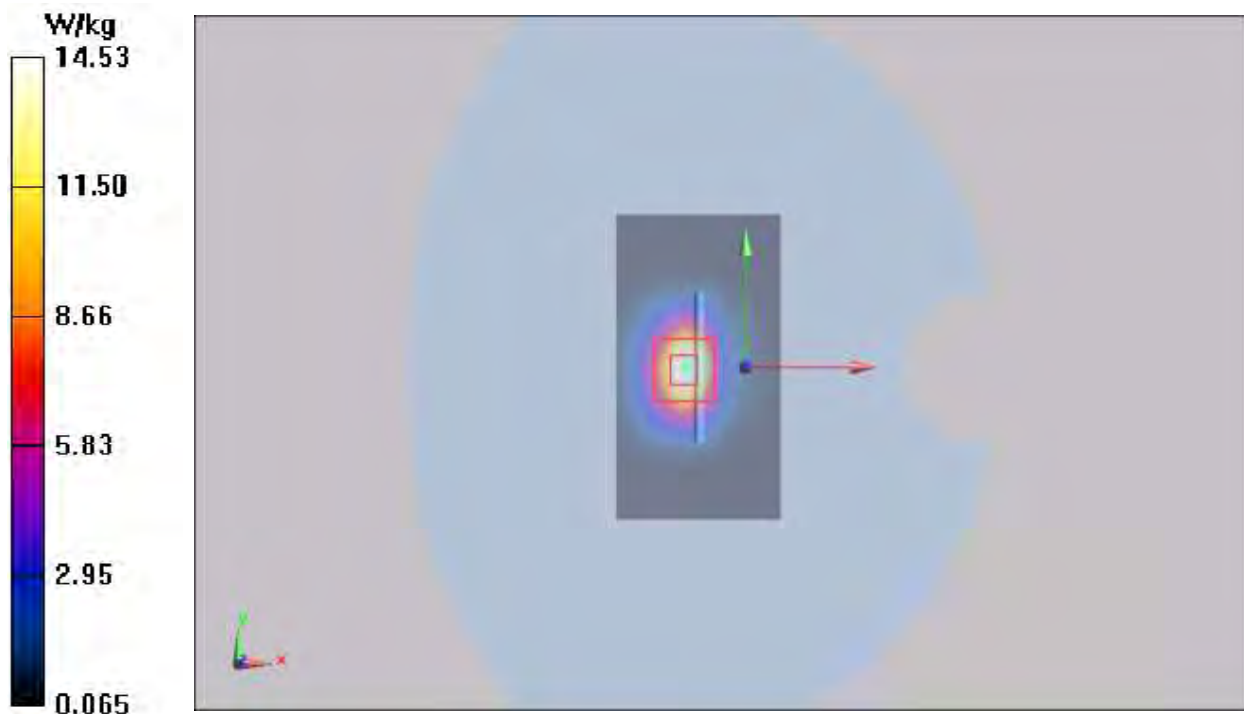
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.188 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 26.4 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.80 W/kg

Maximum value of SAR (measured) = 14.53 W/kg



Plot 19 System Performance Check at 2300 MHz TSL

DUT: Dipole 2300 MHz; Type: D2300V2; Serial: 1110

Date: 2022/6/2

Communication System: CW Frequency: 2300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2300$ MHz; $\sigma = 1.64$ S/m; $\epsilon_r = 40.0$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.68, 7.68, 7.68); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (6x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 16.6 W/kg

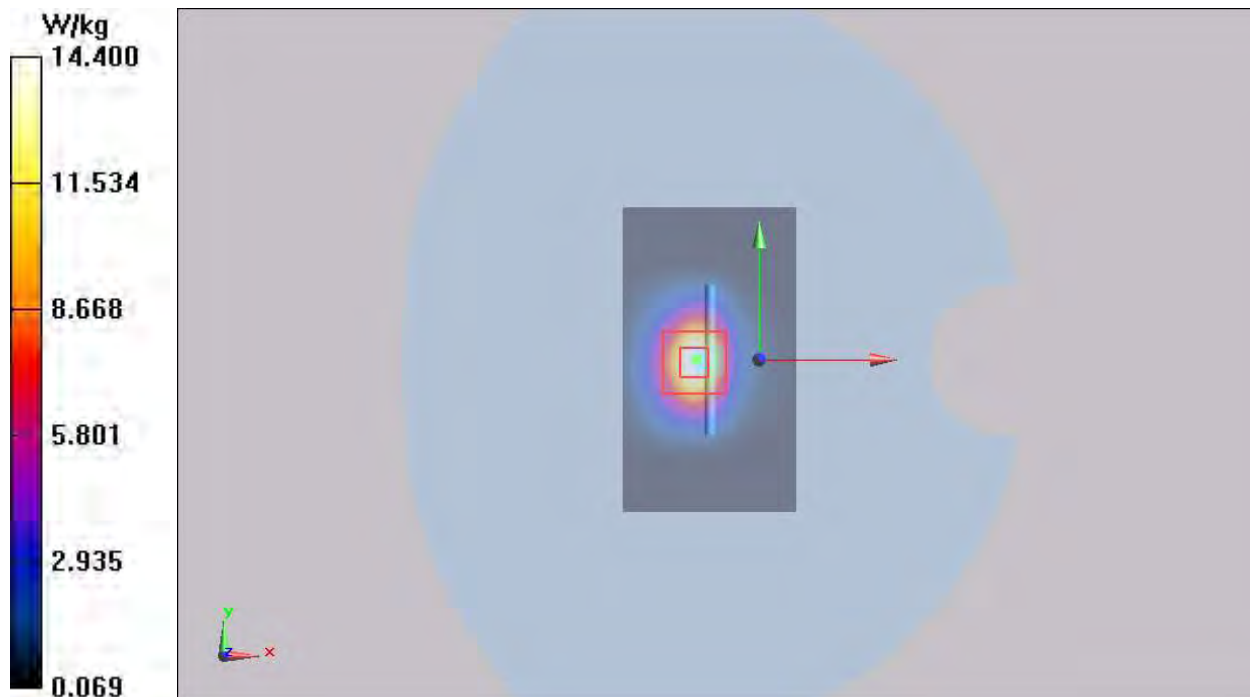
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.188 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 26.4 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.79 W/kg

Maximum value of SAR (measured) = 14.4 W/kg



Plot 20 System Performance Check at 2450 MHz TSL

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 786

Date: 2022/5/15

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.49, 7.49, 7.49); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 18.2 mW/g

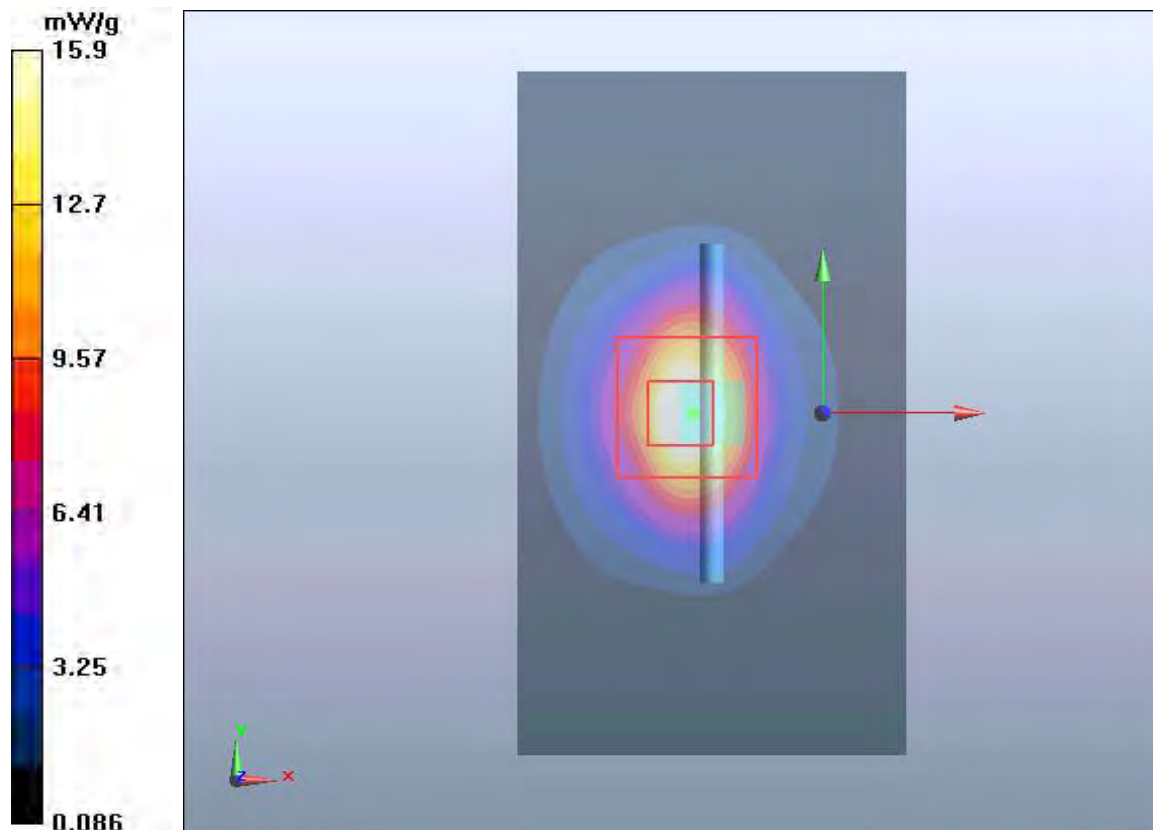
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.8 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 30 W/kg

SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.22 mW/g

Maximum value of SAR (measured) = 15.9 mW/g



Plot 21 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1025

Date: 2022/4/16

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid:dx=12mm, dy=12mm

Maximum value of SAR (measured) = 17.439 mW/g

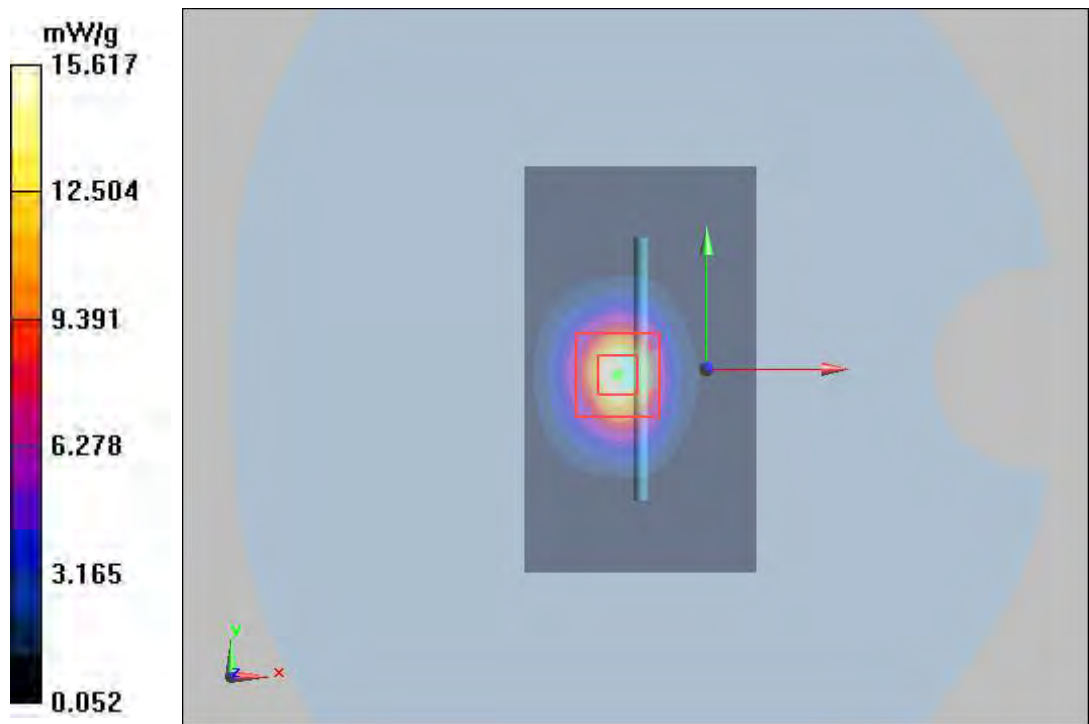
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.998 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.858 W/kg

SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.07 mW/g

Maximum value of SAR (measured) = 15.617 mW/g



Plot 22 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1025

Date: 2022/5/6

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid:dx=12mm, dy=12mm

Maximum value of SAR (measured) = 17.439 mW/g

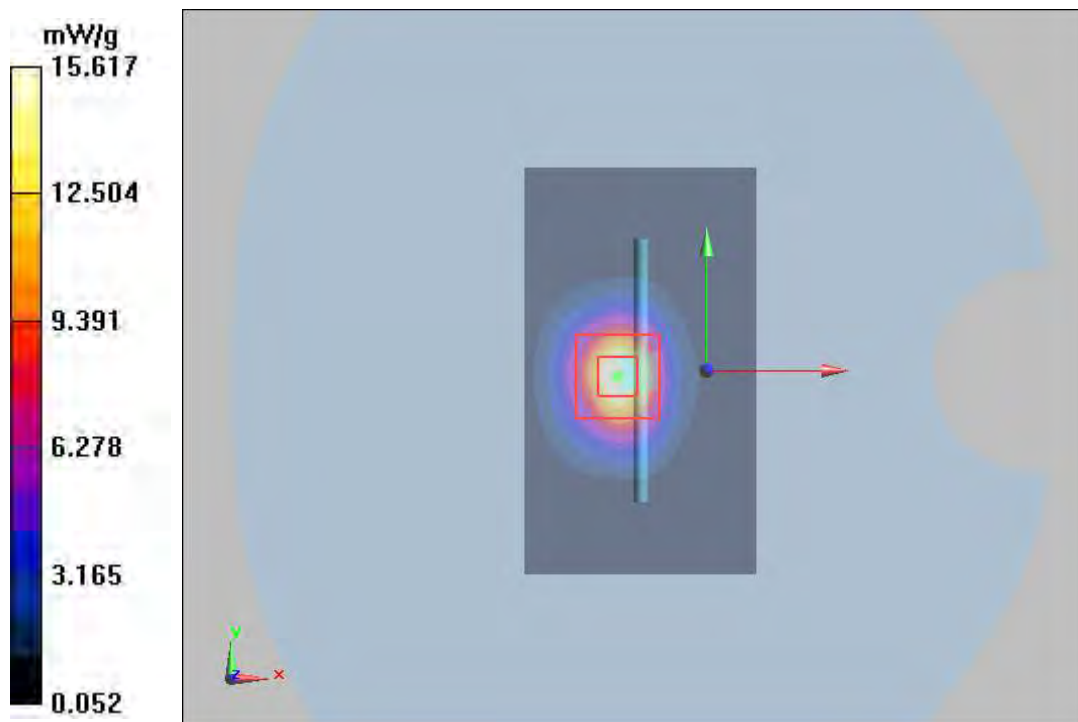
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.998 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.858 W/kg

SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.07 mW/g

Maximum value of SAR (measured) = 15.617 mW/g



Plot 23 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1025

Date: 2022/5/8

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid:dx=12mm, dy=12mm

Maximum value of SAR (measured) = 17.59 mW/g

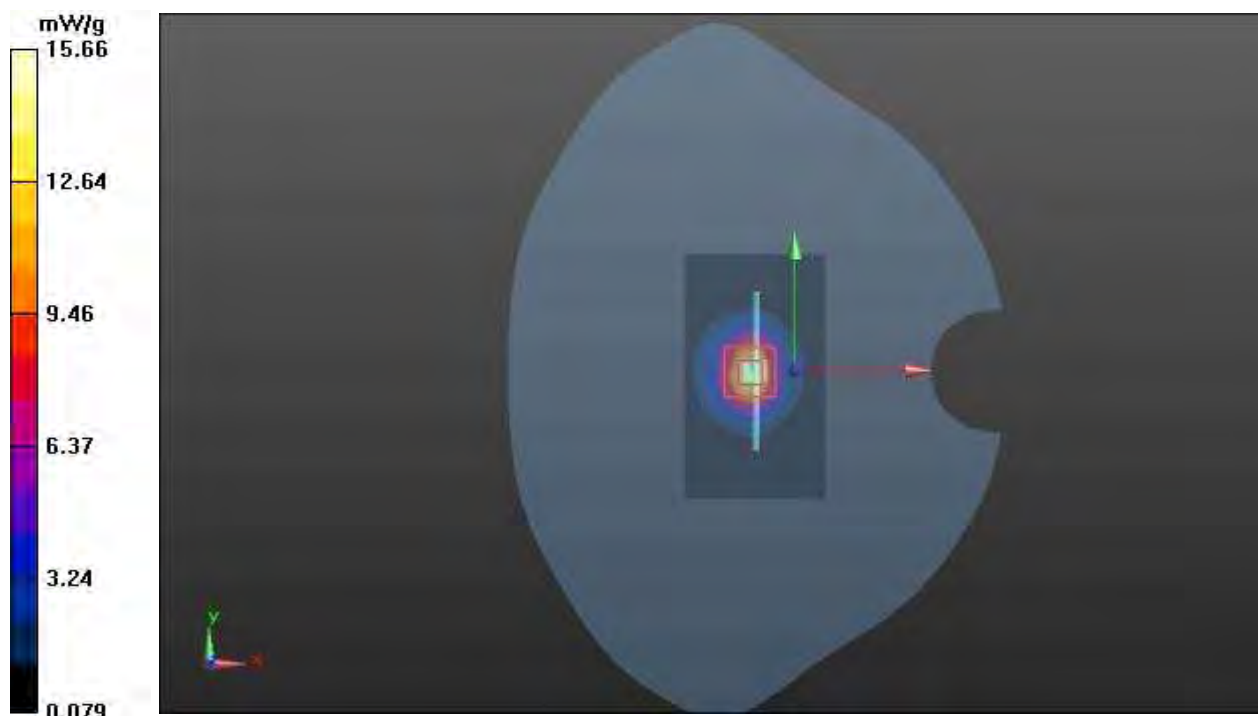
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.998 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.858 W/kg

SAR(1 g) = 13.88 mW/g; SAR(10 g) = 6.09 mW/g

Maximum value of SAR (measured) = 15.66 mW/g



Plot 24 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1025

Date: 2022/5/9

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 17.32 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

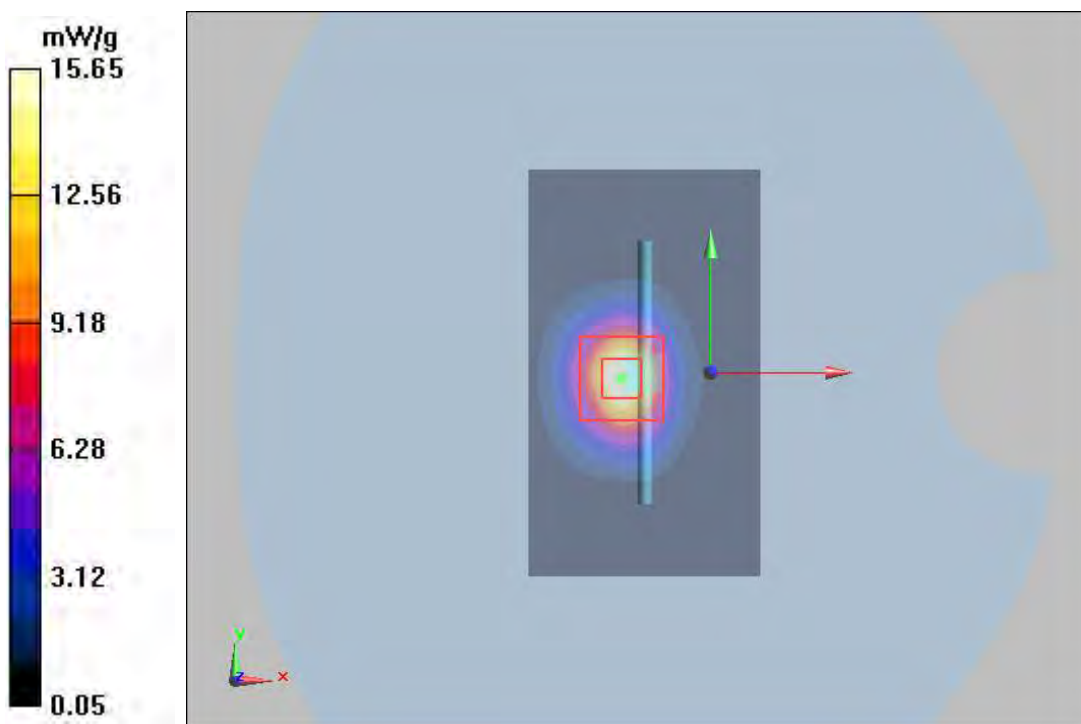
dz=5mm

Reference Value = 87.465 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 31.85 W/kg

SAR(1 g) = 13.94 mW/g; SAR(10 g) = 6.11 mW/g

Maximum value of SAR (measured) = 15.65 mW/g



Plot 25 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1025

Date: 2022/5/25

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 1.95 \text{ S/m}$; $\epsilon_r = 38.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (6x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 17.59 mW/g

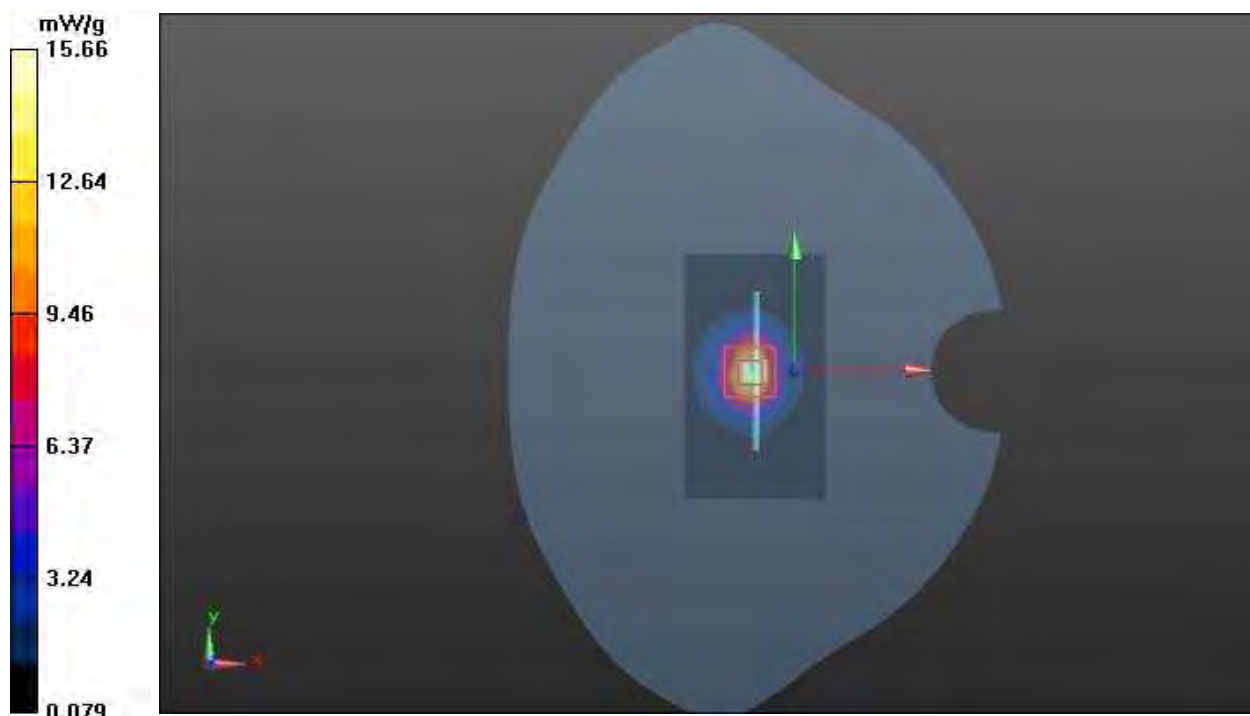
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.998 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.858 W/kg

SAR(1 g) = 13.91 mW/g; SAR(10 g) = 6.09 mW/g

Maximum value of SAR (measured) = 15.66 mW/g



Plot 26 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1025

Date: 2022/5/27

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (6x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 17.439 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

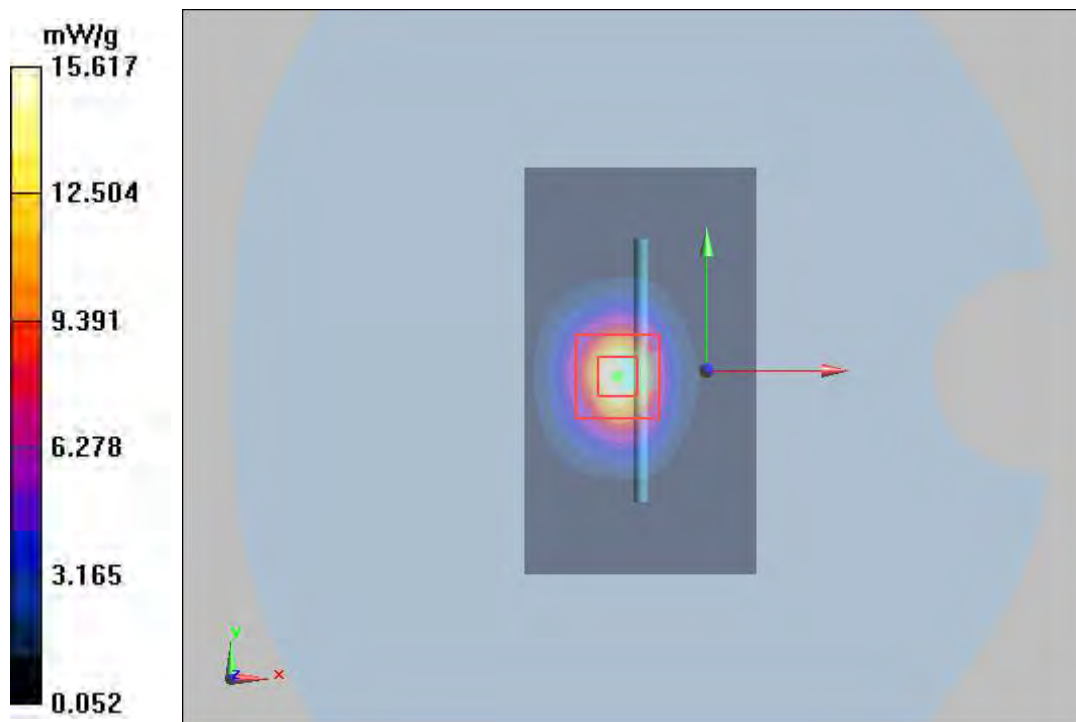
dz=5mm

Reference Value = 87.998 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.858 W/kg

SAR(1 g) = 13.89 mW/g; SAR(10 g) = 6.07 mW/g

Maximum value of SAR (measured) = 15.617 mW/g



Plot 27 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1025

Date: 2022/5/30

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid:dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 17.32 mW/g

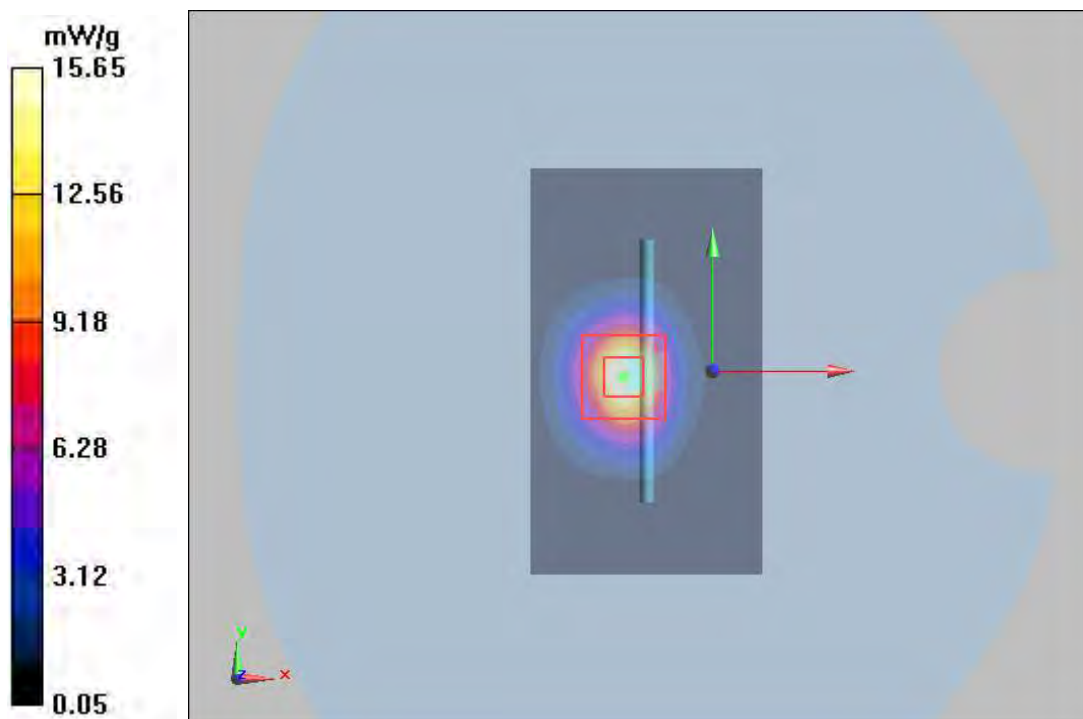
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.465 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 31.85 W/kg

SAR(1 g) = 13.93 mW/g; SAR(10 g) = 6.06 mW/g

Maximum value of SAR (measured) = 15.66 mW/g



Plot 28 System Performance Check at 2600 MHz TSL

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1025

Date: 2022/5/31

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.98$ S/m; $\epsilon_r = 39.0$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=250mW/Area Scan (4x7x1): Measurement grid:dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 17.7 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

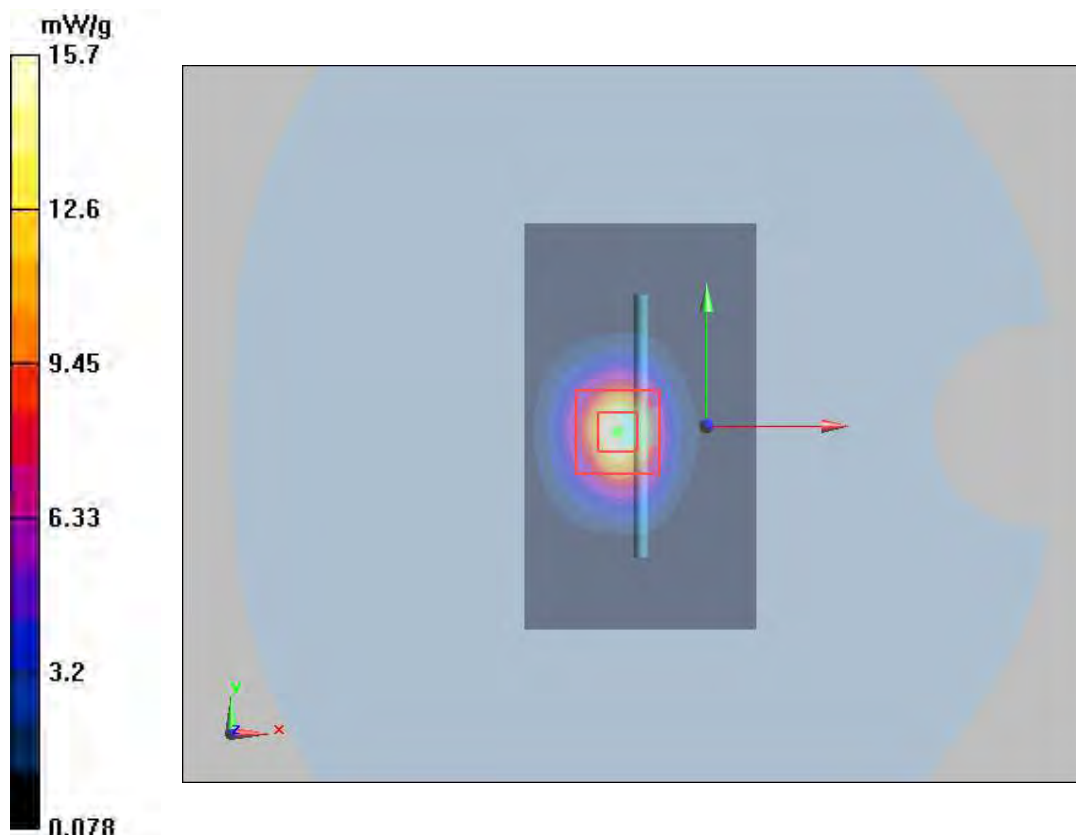
dz=5mm

Reference Value = 74 V/m; Power Drift = -0.0027 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 13.85 mW/g; SAR(10 g) = 5.99 mW/g

Maximum value of SAR (measured) = 15.7 mW/g



Plot 29 System Performance Check at 3500 MHz TSL

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: 1083

Date: 2022/4/26

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.83$ S/m; $\epsilon_r = 37.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/ Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.34 W/kg

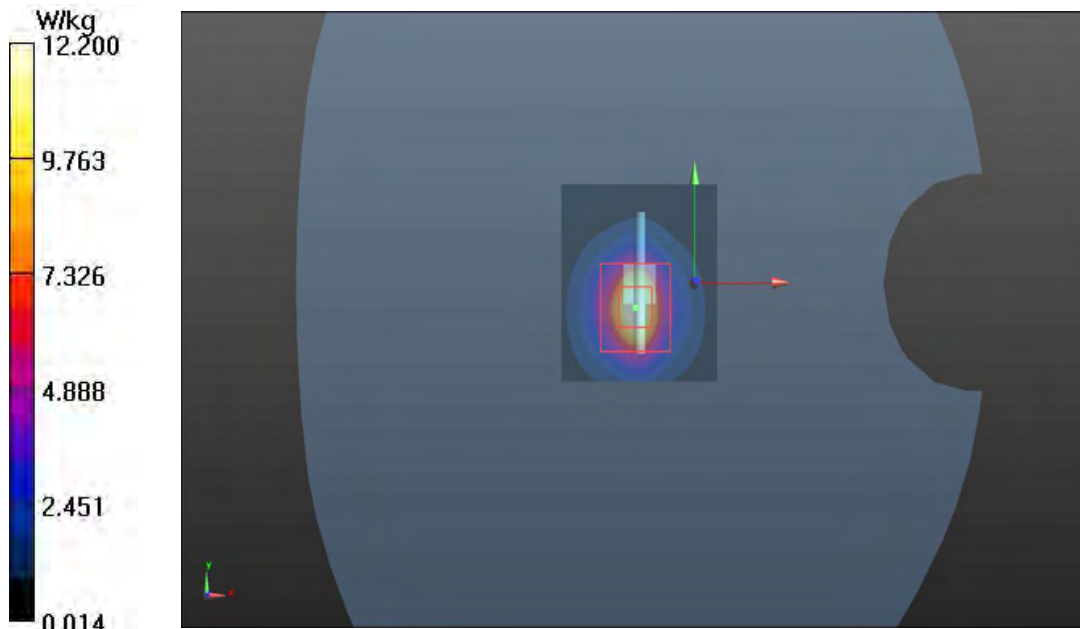
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.15 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 6.50 W/kg; SAR(10 g) = 2.47 W/kg

Maximum value of SAR (measured) = 12.2 W/kg



Plot 30 System Performance Check at 3500 MHz TSL**DUT: Dipole 3500 MHz; Type: D3500V2; Serial: 1083**

Date: 2022/4/27

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.85$ S/m; $\epsilon_r = 37.9$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/ Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.6 W/kg

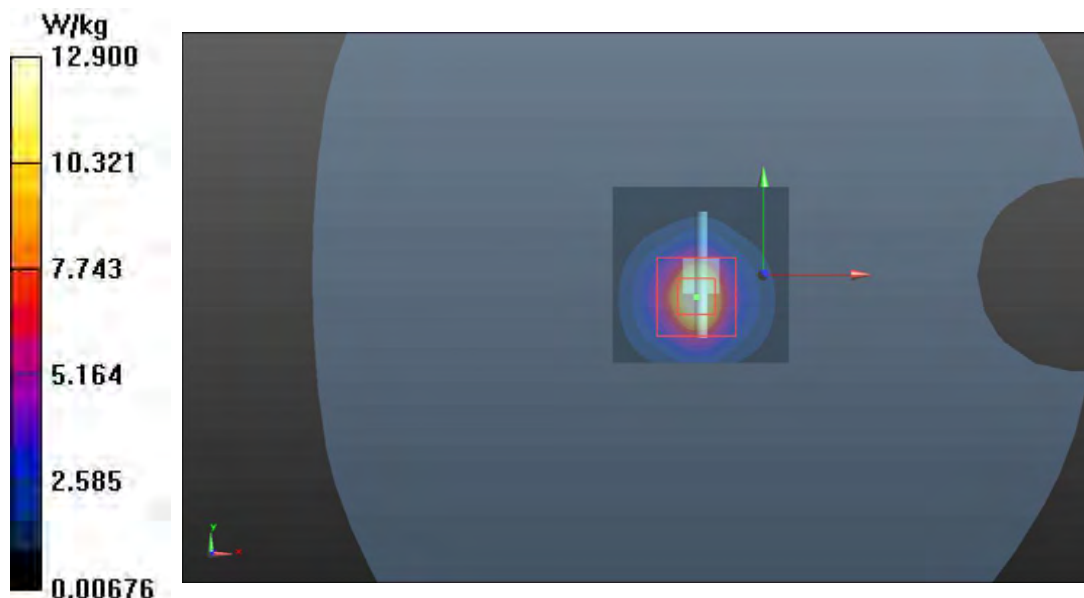
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.00 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 6.53 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 12.9 W/kg



Plot 31 System Performance Check at 3500 MHz TSL**DUT: Dipole 3500 MHz; Type: D3500V2; Serial: 1083**

Date: 2022/4/28

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.90$ S/m; $\epsilon_r = 37.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/ Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.1 W/kg

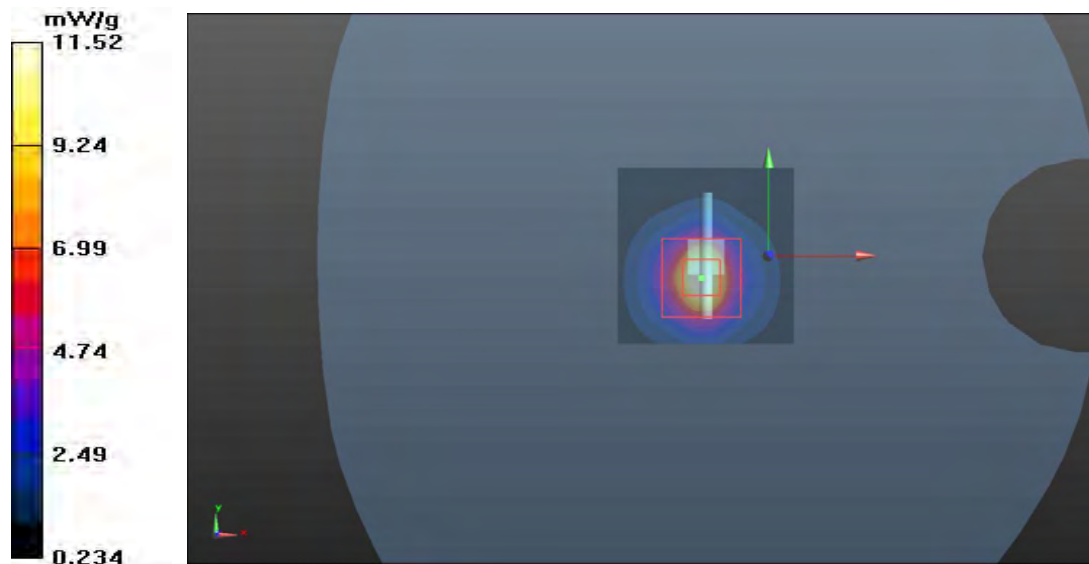
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 45.3 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 6.47 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 11.52 W/kg



Plot 32 System Performance Check at 3500 MHz TSL

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: 1083

Date: 2022/5/2

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500 \text{ MHz}$; $\sigma = 2.89 \text{ S/m}$; $\epsilon_r = 37.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/ Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 13.6 W/kg

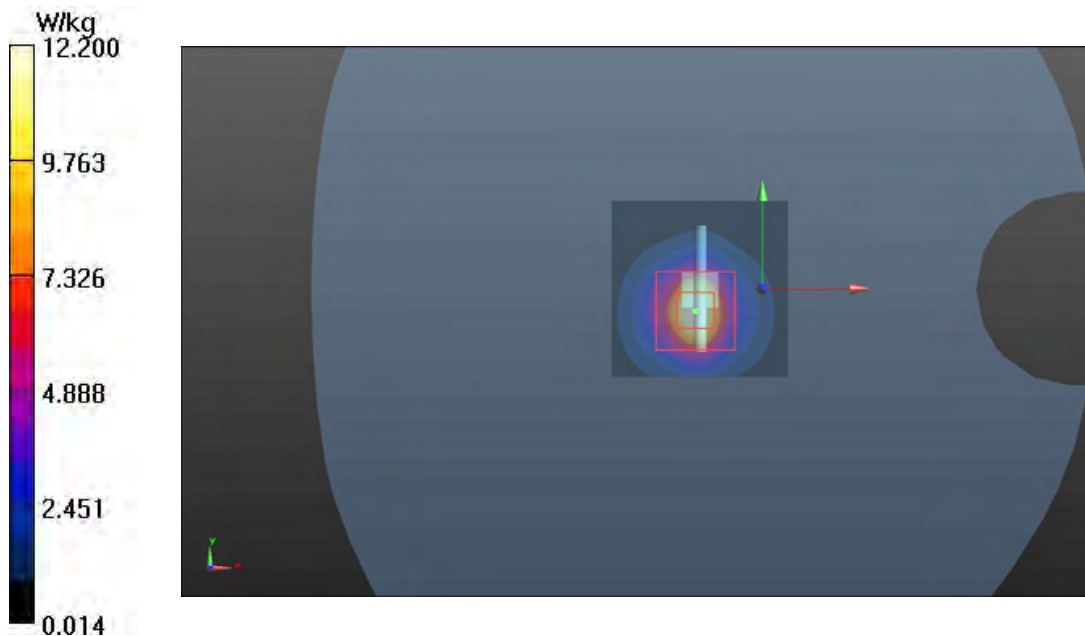
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.00 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 6.55 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 12.2 W/kg



Plot 33 System Performance Check at 3700 MHz TSL

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: 1048

Date: 2022/4/28

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3700 \text{ MHz}$; $\sigma = 3.01 \text{ S/m}$; $\epsilon_r = 38.0$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.51, 6.51, 6.51); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW /Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.6 W/kg

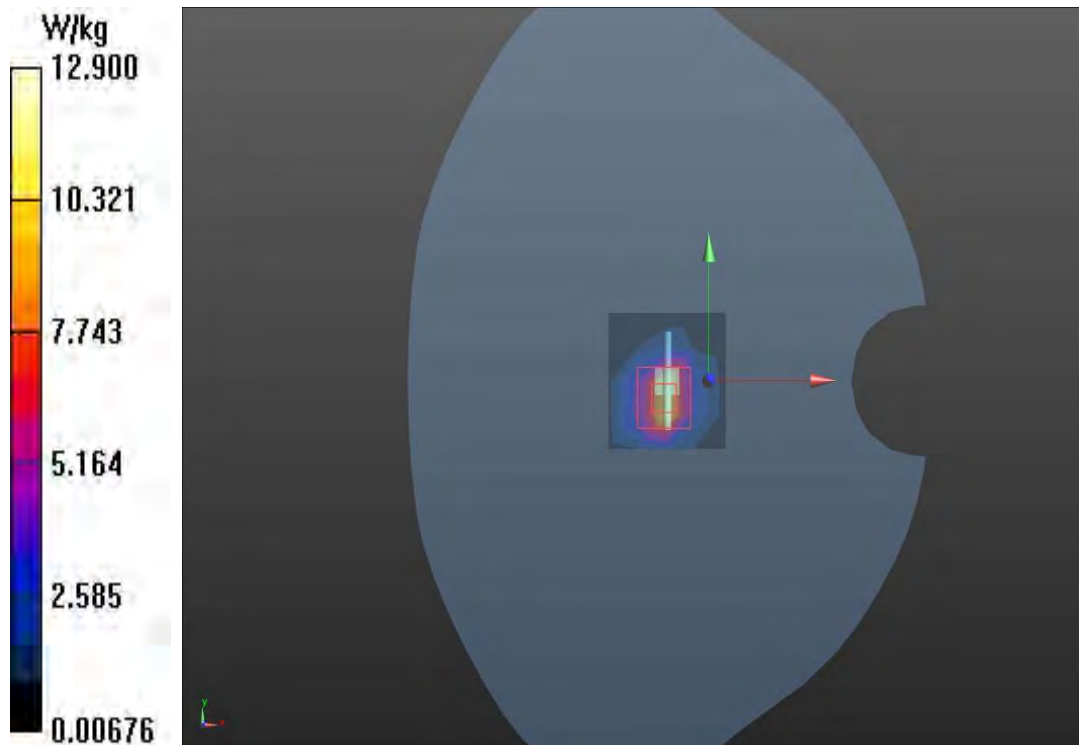
d=10mm, Pin=100mW /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.00 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 6.63 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 12.9 W/kg



Plot 34 System Performance Check at 3900 MHz TSL

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: 1027

Date: 2022/5/14

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3900$ MHz; $\sigma = 3.42$ S/m; $\epsilon_r = 37.9$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.40, 6.40, 6.40); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW /Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.64 W/kg

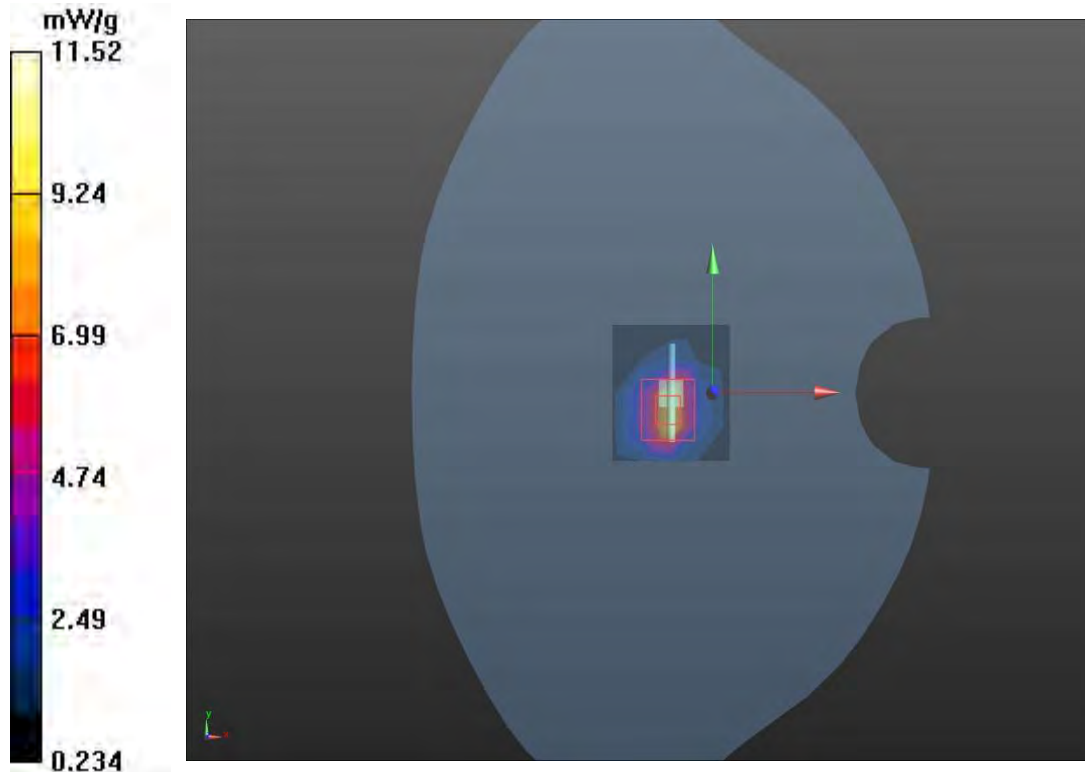
d=10mm, Pin=100mW /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 47.54 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 18.22 W/kg

SAR(1 g) = 6.83 W/kg; SAR(10 g) = 2.67 W/kg

Maximum value of SAR (measured) = 11.52 W/kg



Plot 35 System Performance Check at 5250 MHz TSL**DUT: Dipole 5250 MHz; Type: D5GHzV2; Serial: 1151**

Date: 2022/5/19

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.77$ S/m; $\epsilon_r = 36.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(5.44, 5.44, 5.44); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 9.14 mW/g

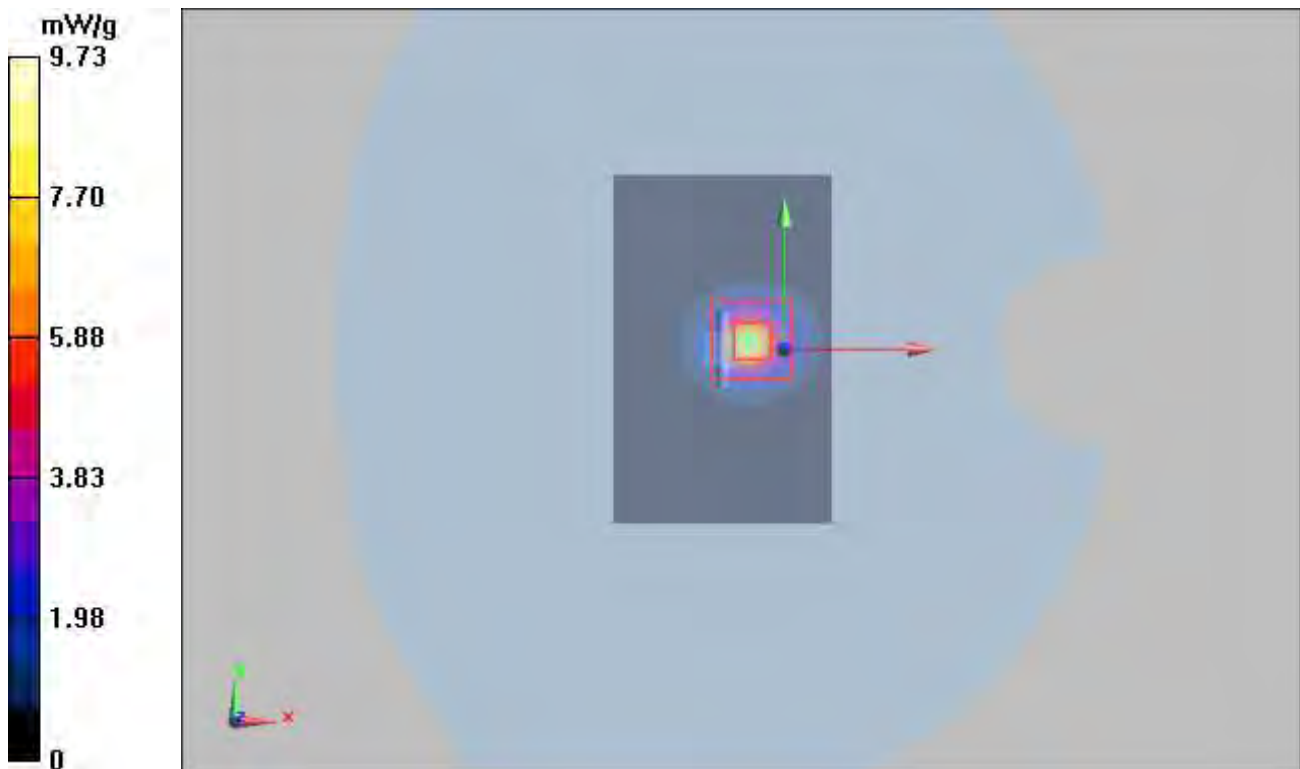
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 33.6 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 52.2 W/kg

SAR(1 g) = 7.87 mW/g; SAR(10 g) = 2.25 mW/g

Maximum value of SAR (measured) = 9.73 mW/g



Plot 36 System Performance Check at 5250 MHz TSL

DUT: Dipole 5250 MHz; Type: D5GHzV2; Serial: 1151

Date: 2022/5/20

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.80 \text{ S/m}$; $\epsilon_r = 35.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(5.44, 5.44, 5.44); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 9.14 mW/g

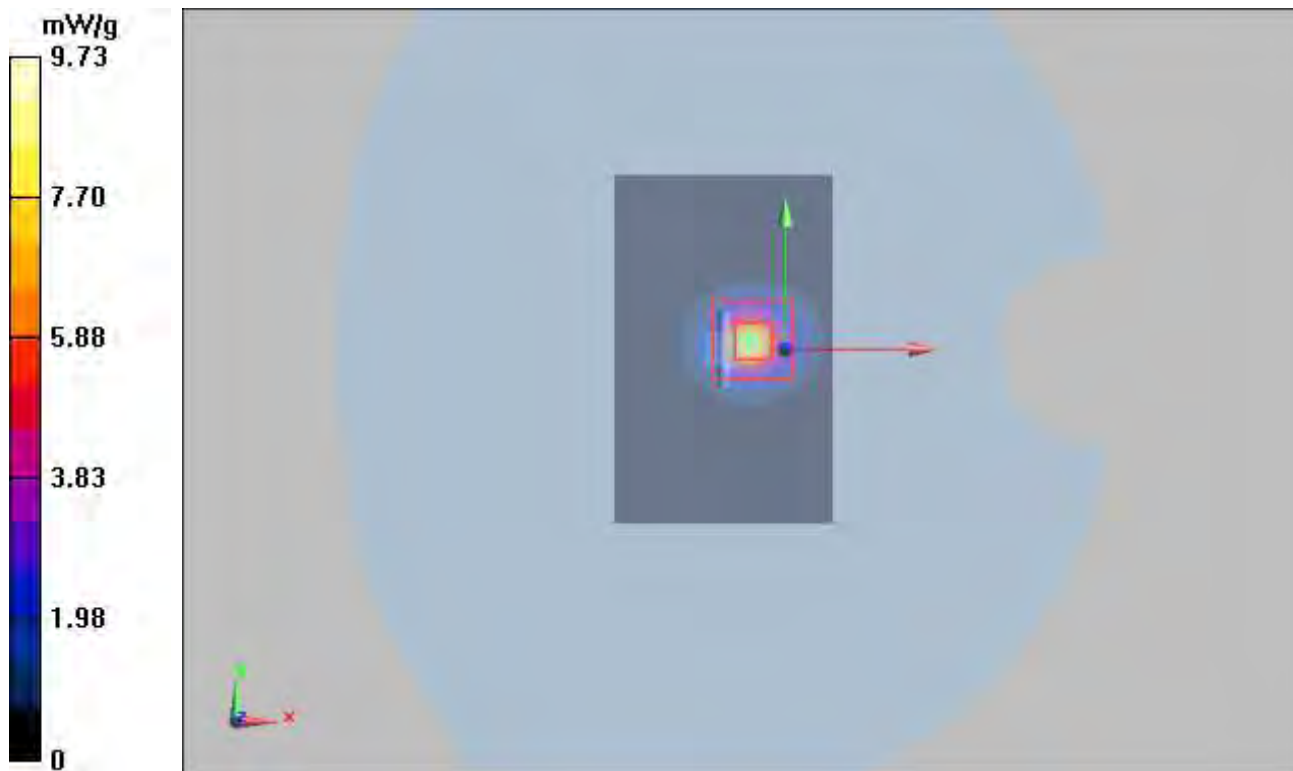
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 33.6 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 52.2 W/kg

SAR(1 g) = 7.87 mW/g; SAR(10 g) = 2.25 mW/g

Maximum value of SAR (measured) = 9.73 mW/g



Plot 37 System Performance Check at 5250 MHz TSL**DUT: Dipole 5250 MHz; Type: D5GHzV2; Serial: 1151**

Date: 2022/5/21

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.74$ S/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(5.44, 5.44, 5.44); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 9.4 mW/g

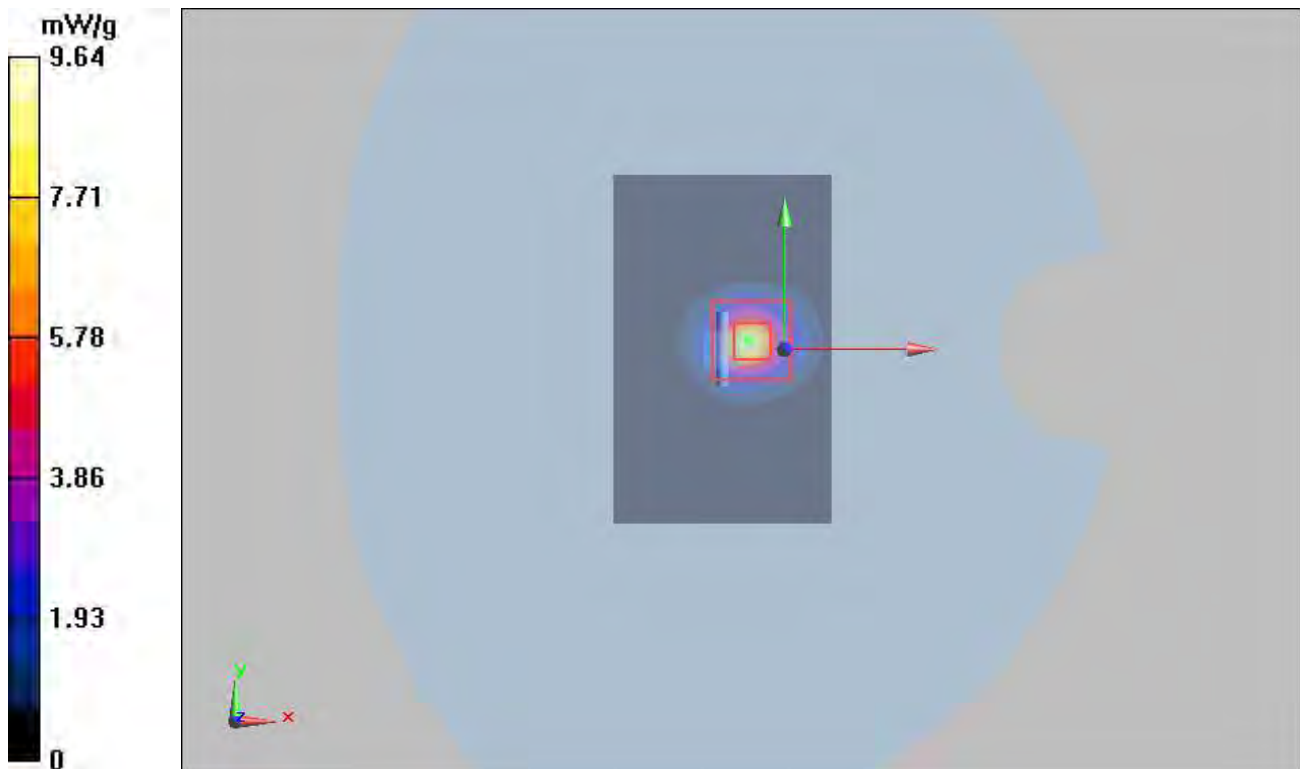
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 33.6 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 52.2 W/kg

SAR(1 g) = 7.64 mW/g; SAR(10 g) = 2.27 mW/g

Maximum value of SAR (measured) = 9.64 mW/g



Plot 38 System Performance Check at 5250 MHz TSL

DUT: Dipole 5250 MHz; Type: D5GHzV2; Serial: 1151

Date: 2022/5/26

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.88$ S/m; $\epsilon_r = 35.3$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(5.44, 5.44, 5.44); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 10.72 mW/g

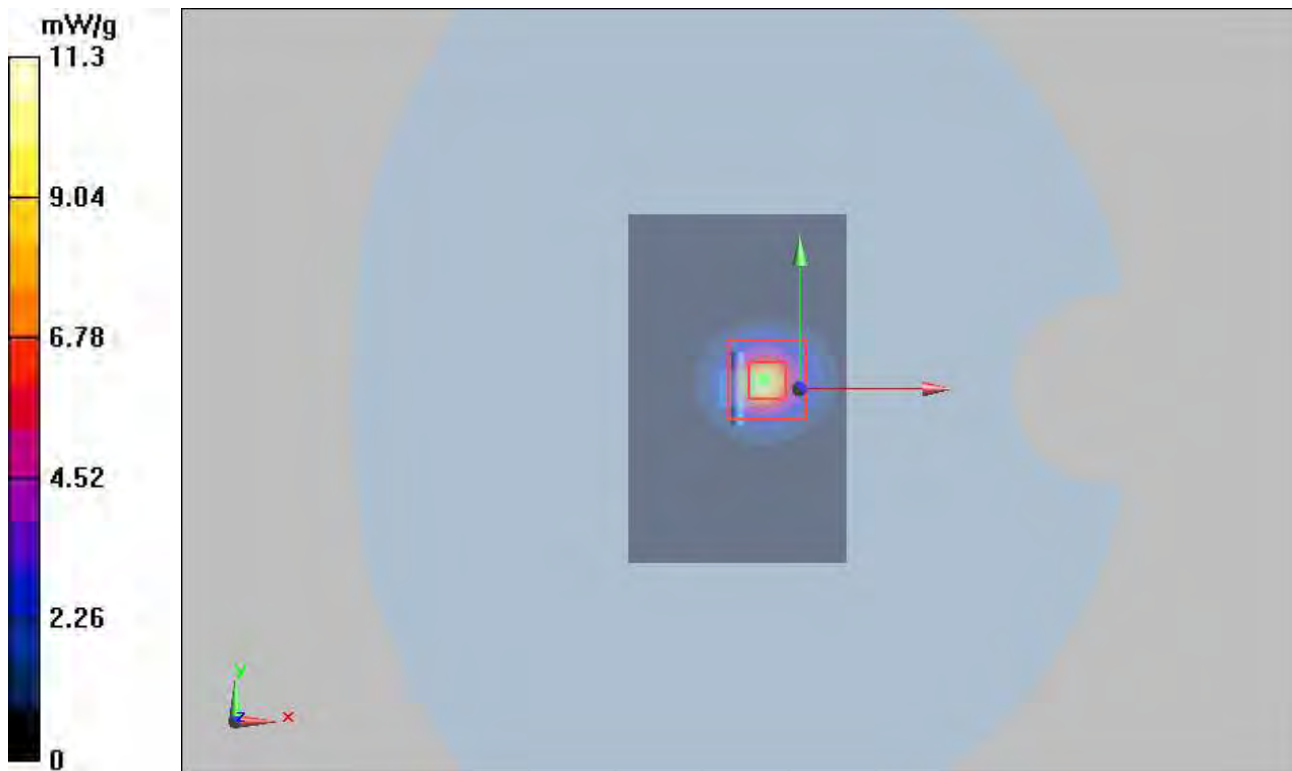
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 35.5 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 58.8 W/kg

SAR(1 g) = 7.83 mW/g; SAR(10 g) = 2.30 mW/g

Maximum value of SAR (measured) = 11.3 mW/g



Plot 39 System Performance Check at 5600 MHz TSL

DUT: Dipole 5600 MHz; Type: D5GHzV2; Serial: 1151

Date: 2022/5/21

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.21$ S/m; $\epsilon_r = 34.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(4.81, 4.81, 4.81); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 8.25 mW/g

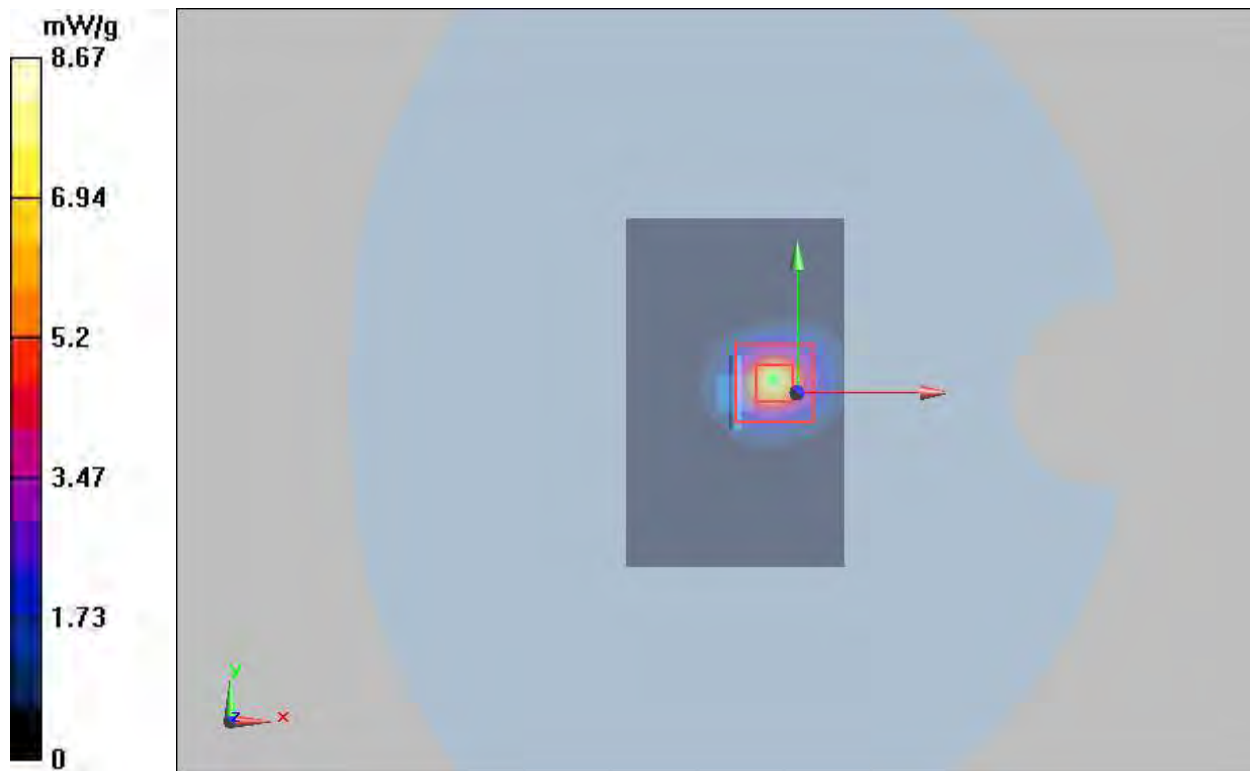
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 23.1 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 22.9 W/kg

SAR(1 g) = 8.17 mW/g; SAR(10 g) = 2.27 mW/g

Maximum value of SAR (measured) = 8.67 mW/g



Plot 40 System Performance Check at 5600 MHz TSL

DUT: Dipole 5600 MHz; Type: D5GHzV2; Serial: 1151

Date: 2022/5/22

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.17$ S/m; $\epsilon_r = 34.4$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(4.81, 4.81, 4.81); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 8.30 mW/g

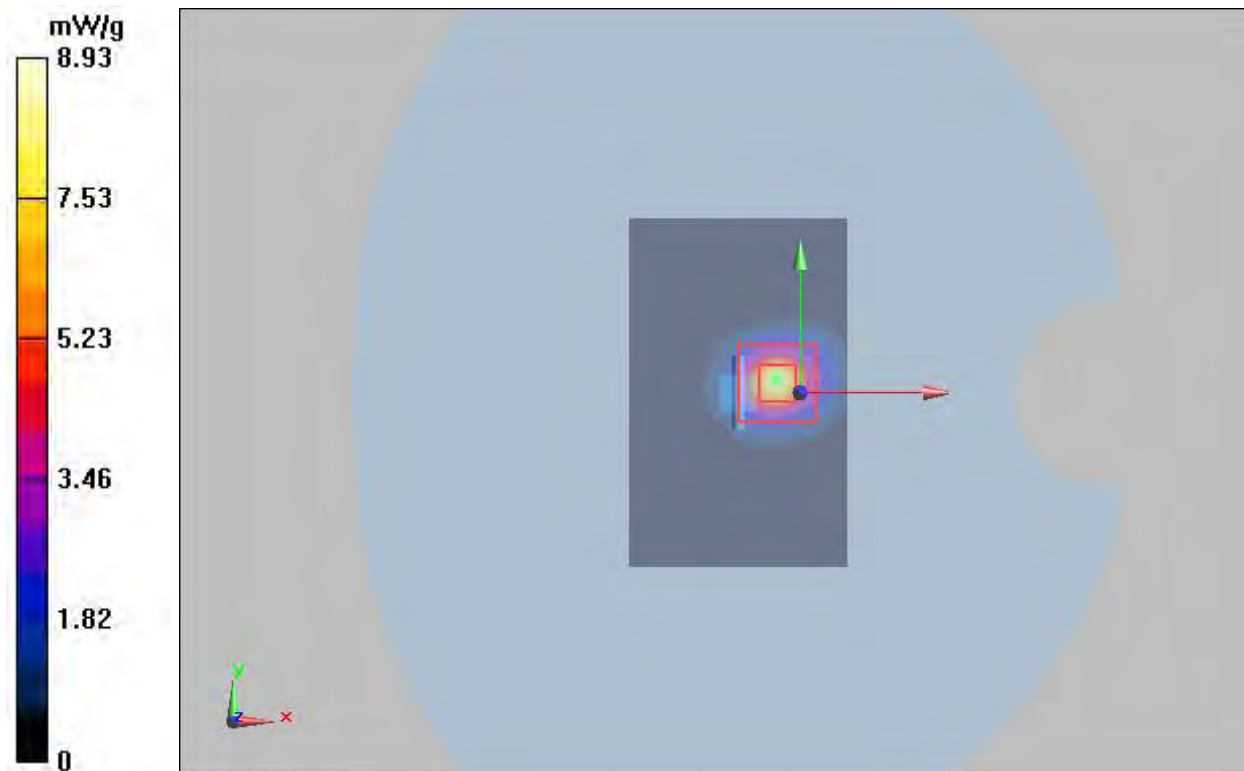
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 23.13 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 23.0 W/kg

SAR(1 g) = 8.18 mW/g; SAR(10 g) = 2.27 mW/g

Maximum value of SAR (measured) = 8.93 mW/g



Plot 41 System Performance Check at 5750 MHz TSL

DUT: Dipole 5750 MHz; Type: D5GHzV2; Serial: 1151

Date: 2022/5/16

Communication System: CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.21$ S/m; $\epsilon_r = 34.9$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(4.94, 4.94, 4.94); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 8.31 mW/g

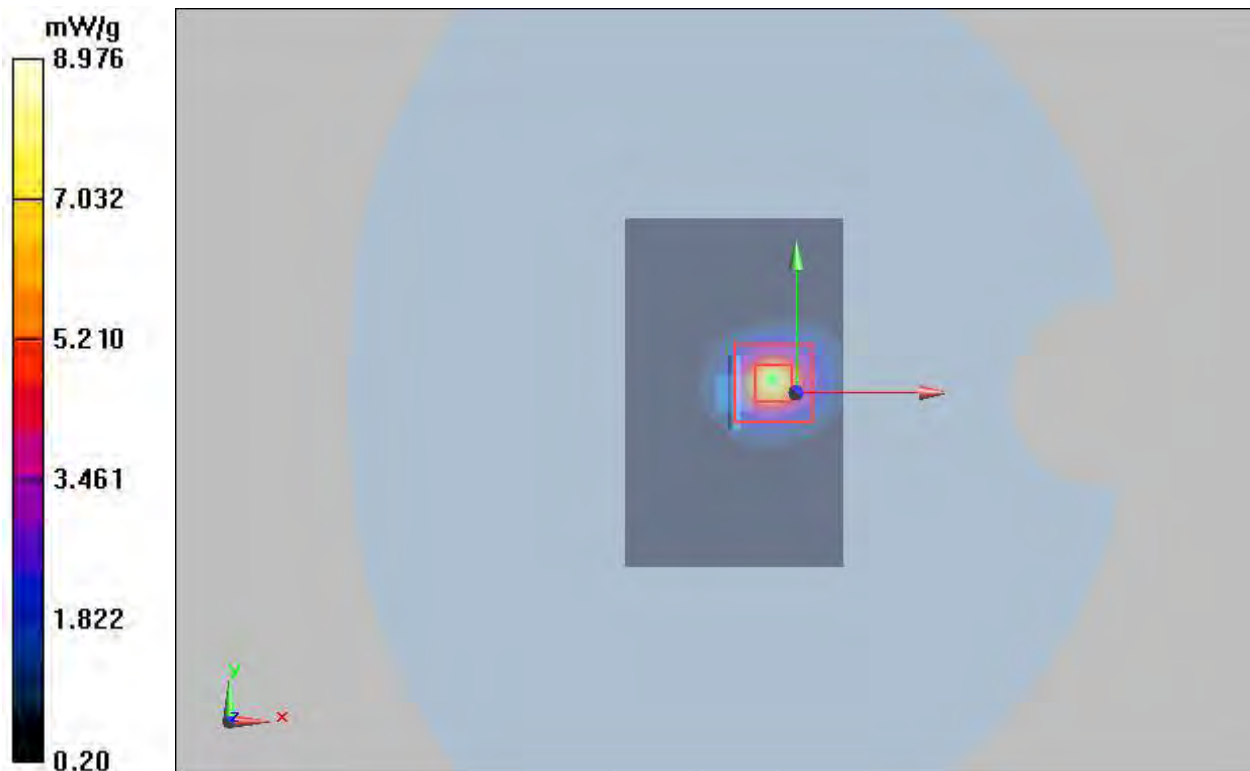
d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 23.1 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 23.4 W/kg

SAR(1 g) = 7.66 mW/g; SAR(10 g) = 2.27 mW/g

Maximum value of SAR (measured) = 8.976 mW/g



Plot 42 System Performance Check at 5750 MHz TSL

DUT: Dipole 5750 MHz; Type: D5GHzV2; Serial: 1151

Date: 2022/5/18

Communication System: CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750 \text{ MHz}$; $\sigma = 5.14 \text{ S/m}$; $\epsilon_r = 35.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(4.94, 4.94, 4.94); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

d=10mm, Pin=100mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 7.84 mW/g

d=10mm, Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

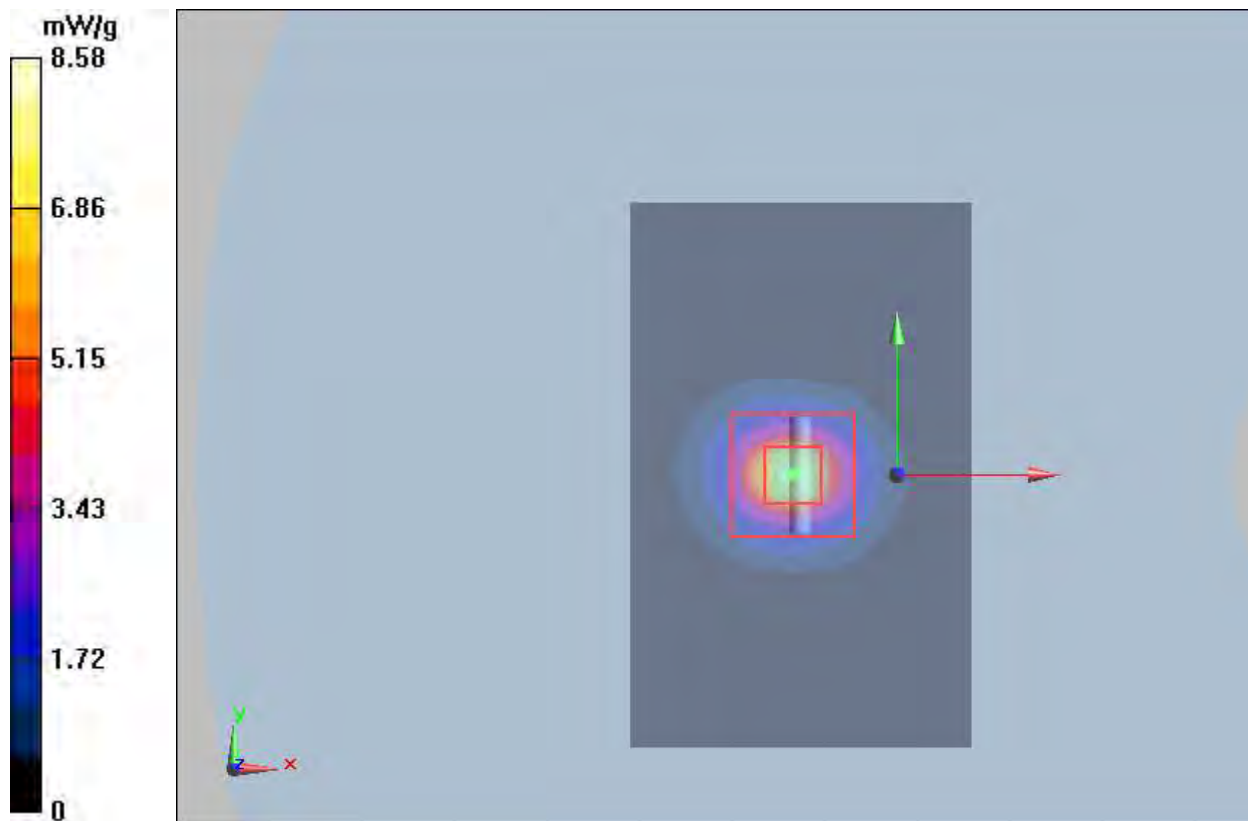
dz=2mm

Reference Value = 38 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 22.6 W/kg

SAR(1 g) = 7.65 mW/g; SAR(10 g) = 1.99 mW/g

Maximum value of SAR (measured) = 8.58 mW/g



ANNEX C: Highest Graph Results

Plot 43 GSM 850 Left Cheek Middle

Date: 2022/4/19

Communication System: UID 0, GSM (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30

Medium parameters used: $f = 837$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 39.762$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Left Cheek Middle/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.153 W/kg

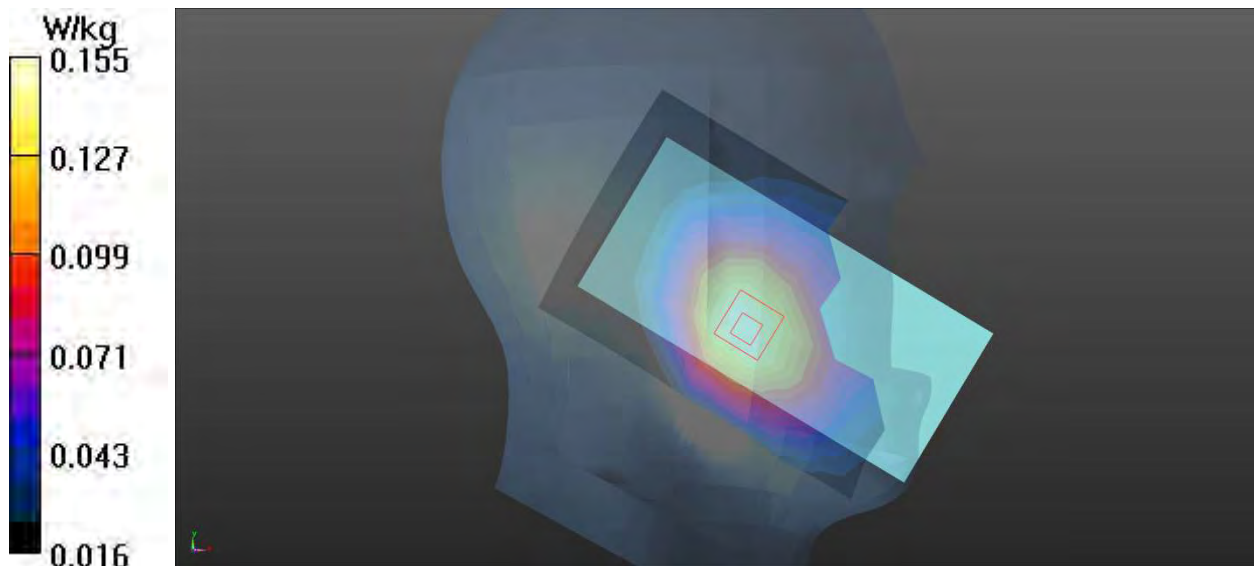
Left Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.605 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.155 W/kg



Plot 44 GSM 1900 Right Cheek Middle

Date: 2022/4/17

Communication System: UID 0, GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 38.344$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Middle/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.873 W/kg

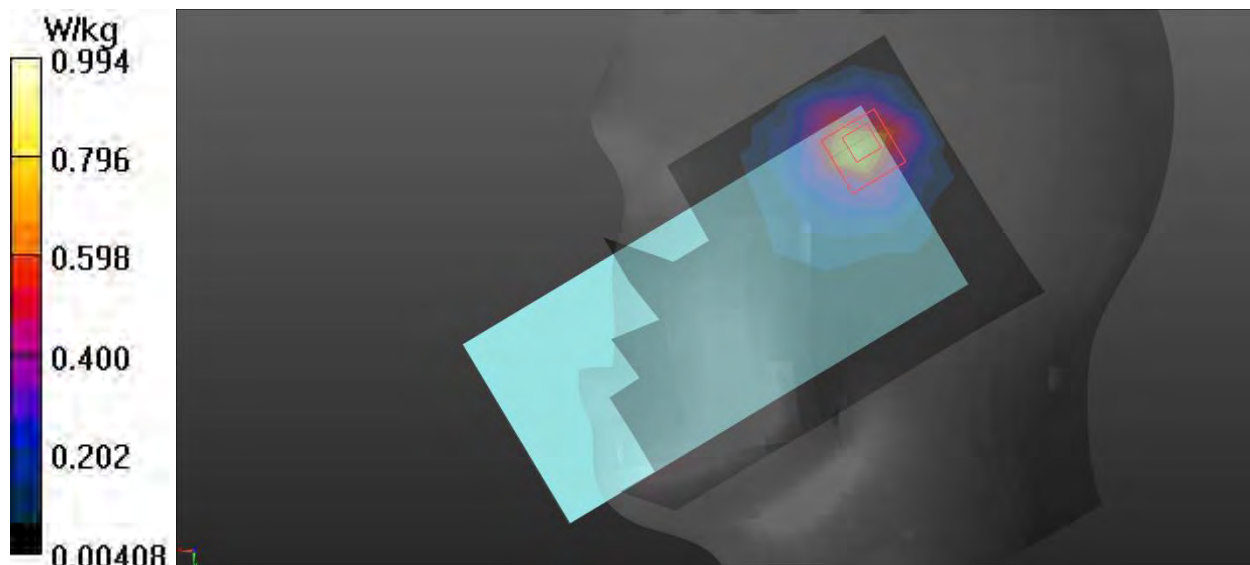
Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.71 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.994 W/kg



Plot 45 UMTS Band II Right Cheek High

Date: 2022/4/25

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 38.828$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek High/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.44 W/kg

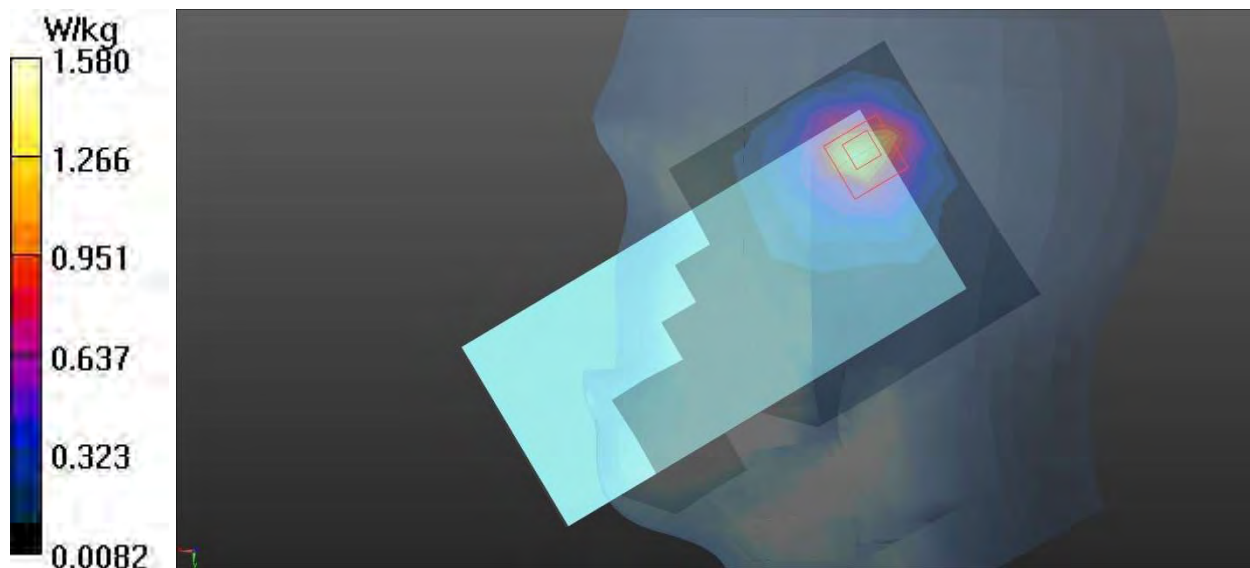
Right Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.00 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.500 W/kg

Maximum value of SAR (measured) = 1.58 W/kg



Plot 46 UMTS Band IV Right Cheek Middle

Date: 2022/4/18

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.312 \text{ S/m}$; $\epsilon_r = 39.365$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Middle/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.42 W/kg

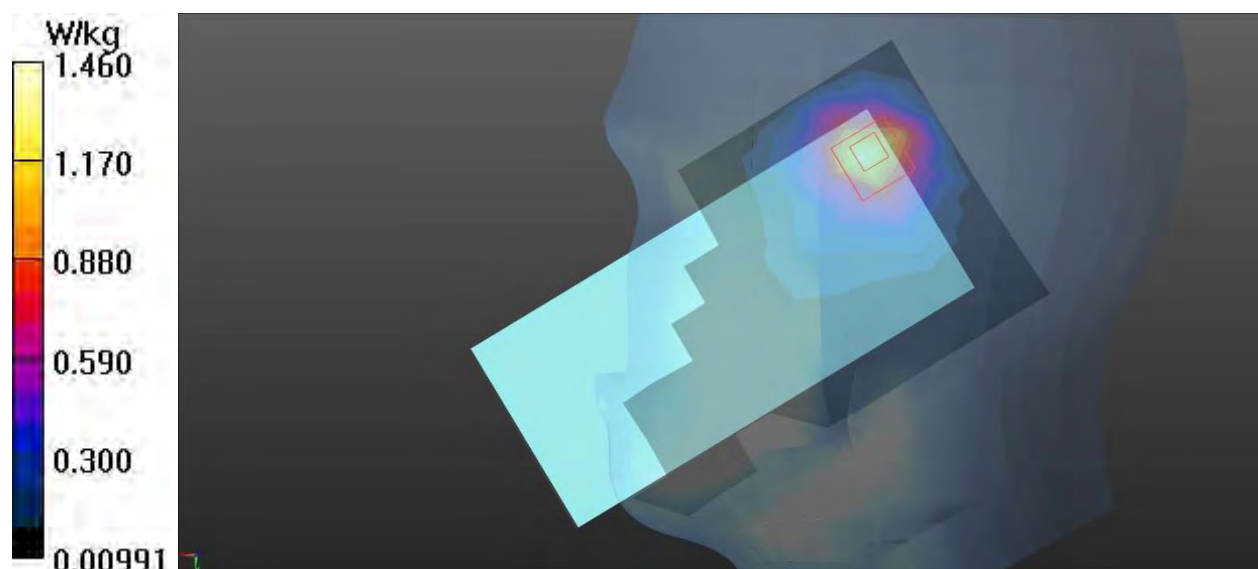
Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.87 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.512 W/kg

Maximum value of SAR (measured) = 1.46 W/kg



Plot 47 UMTS Band V Right Cheek Middle

Date: 2022/4/30

Communication System: UID 0, WCDMA (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.953 \text{ S/m}$; $\epsilon_r = 39.762$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Middle/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.130 W/kg

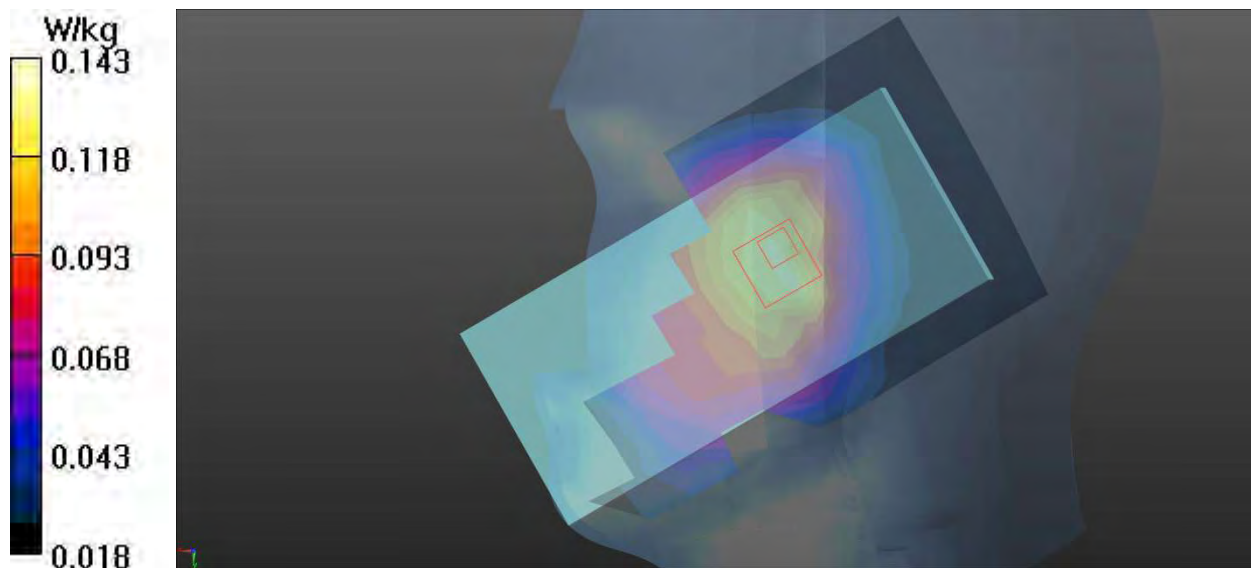
Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.871 V/m ; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.114 W/kg ; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.143 W/kg



Plot 48 LTE Band 2 1RB Right Cheek High

Date: 2022/5/5

Communication System: UID 0, LTE (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.434$ S/m; $\epsilon_r = 38.861$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek High/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.30 W/kg

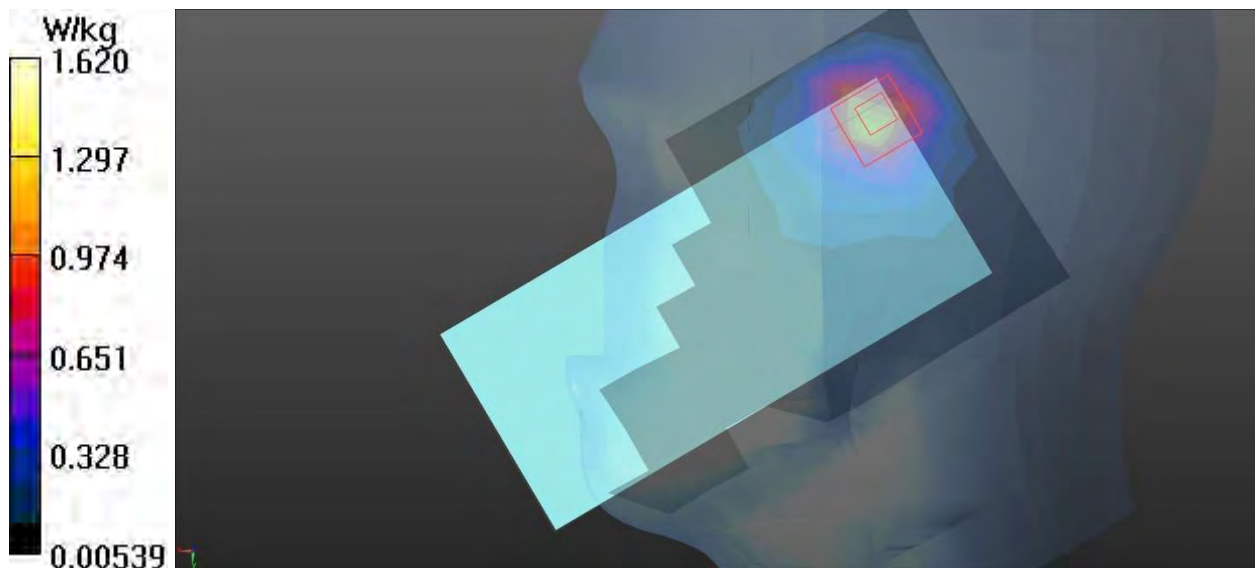
Right Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.34 V/m; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 0.784 W/kg; SAR(10 g) = 0.473 W/kg

Maximum value of SAR (measured) = 1.62 W/kg



Plot 49 LTE Band 4 1RB Right Cheek High

Date: 2022/4/24

Communication System: UID 0, LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.323$ S/m; $\epsilon_r = 39.378$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek High/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.44 W/kg

Right Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.26 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.563 W/kg

Maximum value of SAR (measured) = 1.65 W/kg



Plot 50 LTE Band 5 1RB Right Cheek Low

Date: 2022/4/30

Communication System: UID 0, LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.946 \text{ S/m}$; $\epsilon_r = 39.678$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

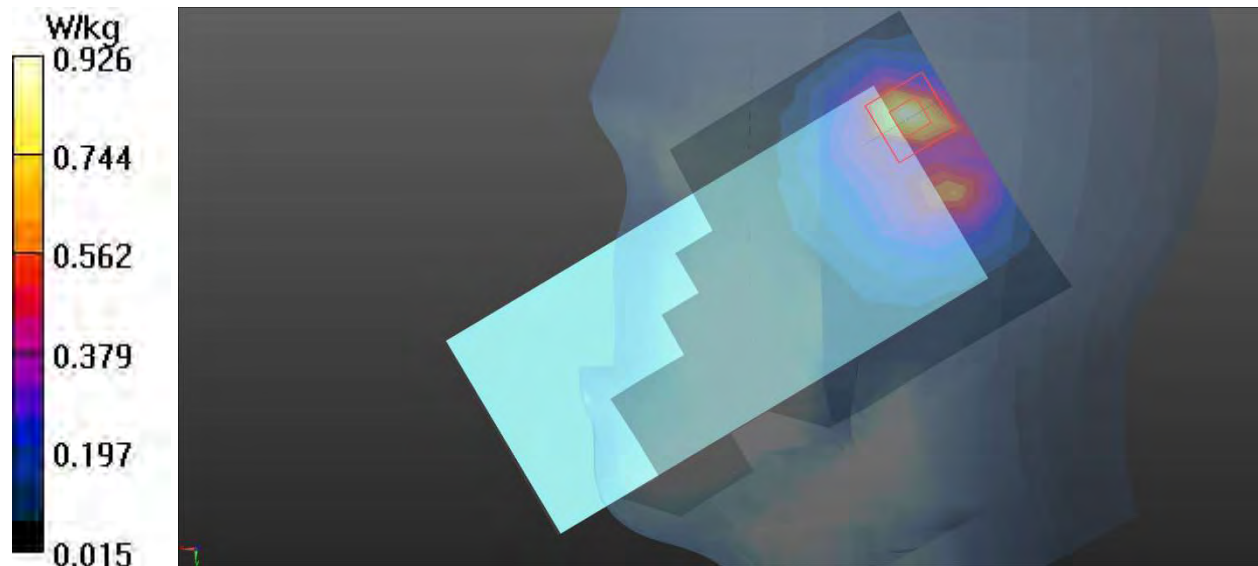
Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Low/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.910 W/kg **Right Cheek Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 17.21 V/m ; Power Drift = -0.019 dB Peak SAR (extrapolated) = 1.25 W/kg **SAR(1 g) = 0.460 W/kg ; SAR(10 g) = 0.234 W/kg** Maximum value of SAR (measured) = 0.926 W/kg 

Plot 51 LTE Band 7 1RB Right Cheek High

Date: 2022/4/16

Communication System: UID 0, LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.971$ S/m; $\epsilon_r = 37.231$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek High/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.41 W/kg

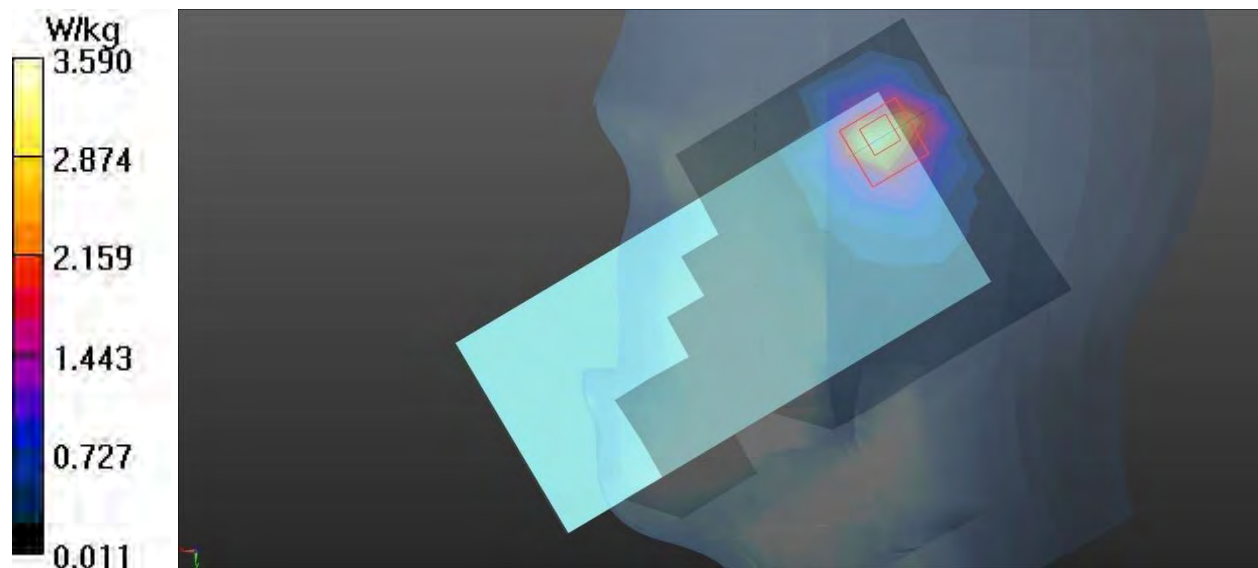
Right Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.25 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 5.20 W/kg

SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.463 W/kg

Maximum value of SAR (measured) = 3.59 W/kg



Plot 52 LTE Band 12 1RB Right Tilt Low

Date: 2022/4/23

Communication System: UID 0, LTE (0); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.867 \text{ S/m}$; $\epsilon_r = 40.747$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Tilt Low/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.522 W/kg

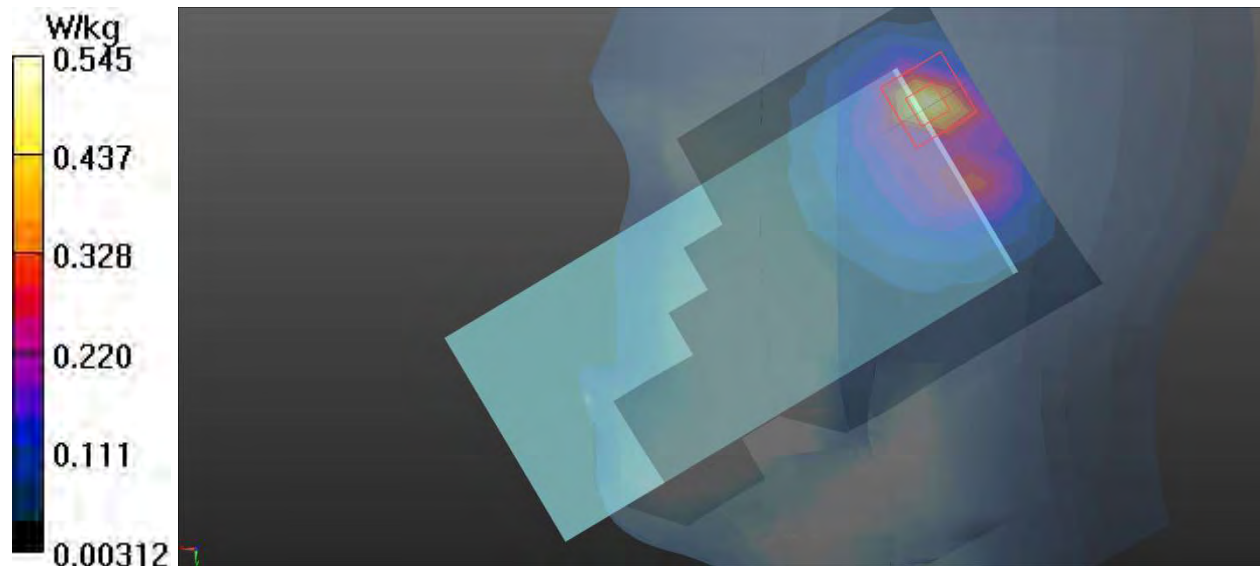
Right Tilt Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.01 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.794 W/kg

SAR(1 g) = 0.274 W/kg ; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.545 W/kg



Plot 53 LTE Band 28A 1RB Right Tilt High

Date: 2022/4/23

Communication System: UID 0, LTE (0); Frequency: 723 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 723 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 40.637$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Tilt High/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.306 W/kg

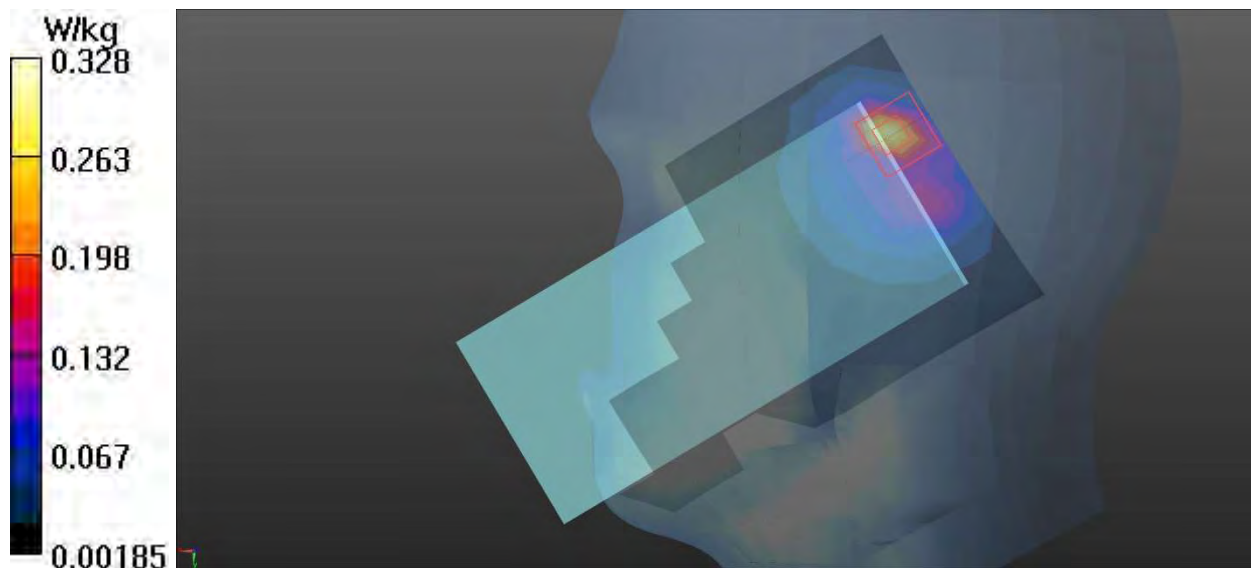
Right Tilt High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.569 V/m ; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.133 W/kg ; SAR(10 g) = 0.058 W/kg

Maximum value of SAR (measured) = 0.328 W/kg



Plot 54 LTE Band 28B 1RB Right Tilt High

Date: 2022/4/19

Communication System: UID 0, LTE (0); Frequency: 738 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 738 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 40.525$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Tilt High/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.541 W/kg

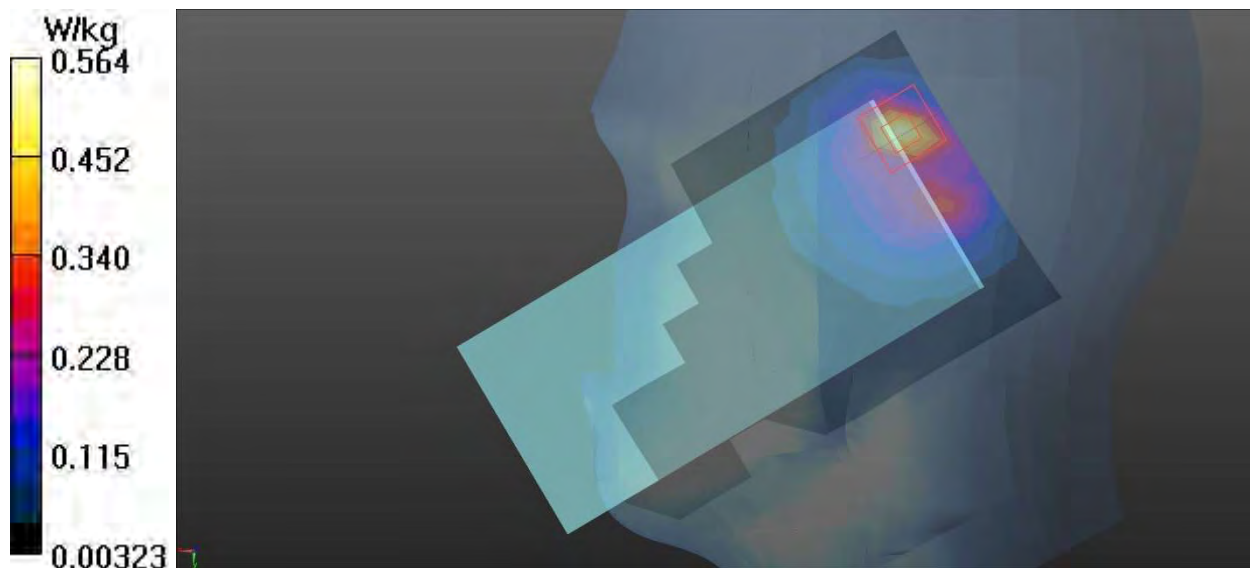
Right Tilt High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.07 V/m ; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.823 W/kg

SAR(1 g) = 0.20 W/kg ; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.564 W/kg



Plot 55 LTE Band 40 50%RB Right Cheek High

Date: 2022/6/1

Communication System: UID 0, LTE (0); Frequency: 2395 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2395$ MHz; $\sigma = 1.775$ S/m; $\epsilon_r = 37.808$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.68, 7.68, 7.68); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek High/Area Scan (10x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.18 W/kg

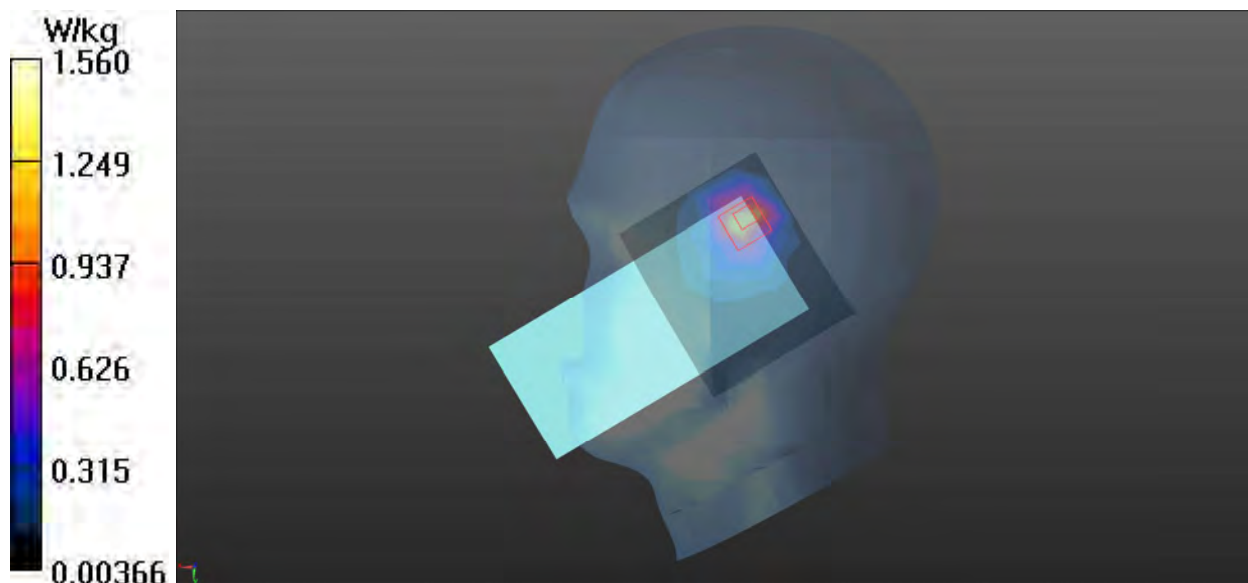
Right Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.89 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.513 W/kg

Maximum value of SAR (measured) = 1.56 W/kg



Plot 56 LTE Band 41 1RB Right Cheek Middle

Date: 2022/5/30

Communication System: UID 0, LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2593$ MHz; $\sigma = 2.009$ S/m; $\epsilon_r = 37.118$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Middle/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.39 W/kg

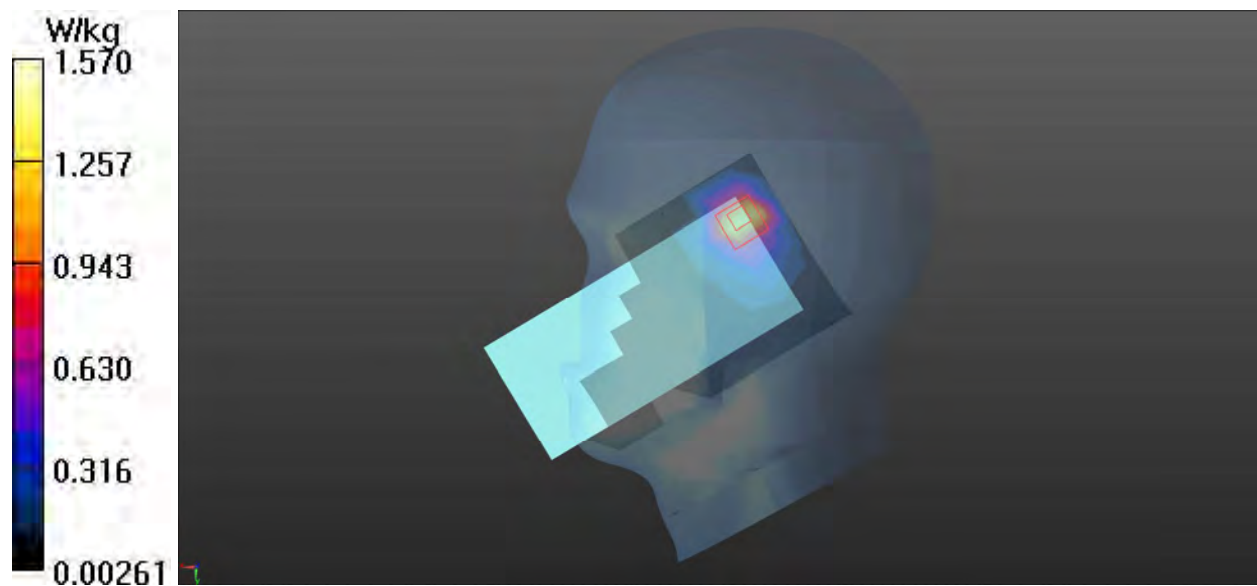
Right Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.78 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 1 W/kg; SAR(10 g) = 0.475 W/kg

Maximum value of SAR (measured) = 1.57 W/kg



Plot 57 LTE Band 66 1RB Right Cheek Middle

Date: 2022/5/23

Communication System: UID 0, LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.301 \text{ S/m}$; $\epsilon_r = 38.753$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Middle/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.50 W/kg

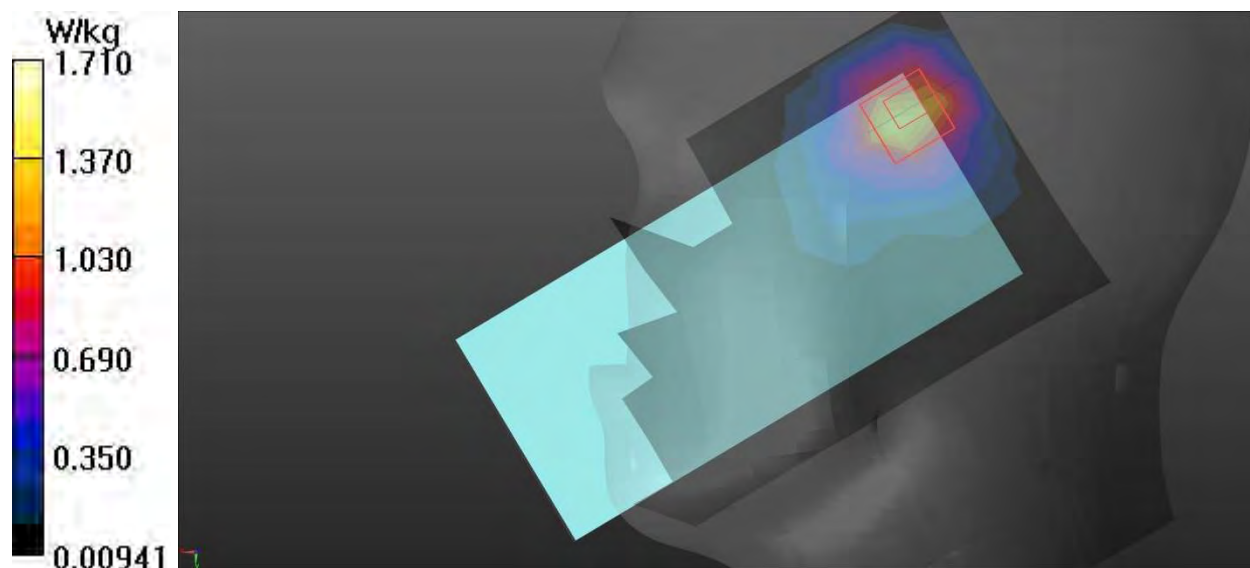
Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.31 V/m ; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.753 W/kg ; SAR(10 g) = 0.386 W/kg

Maximum value of SAR (measured) = 1.71 W/kg



Plot 58 NR Band n2 50%RB Right Cheek Low

Date: 2022/5/22

Communication System: UID 0, 5G NR (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 39.071$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Low/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.54 W/kg

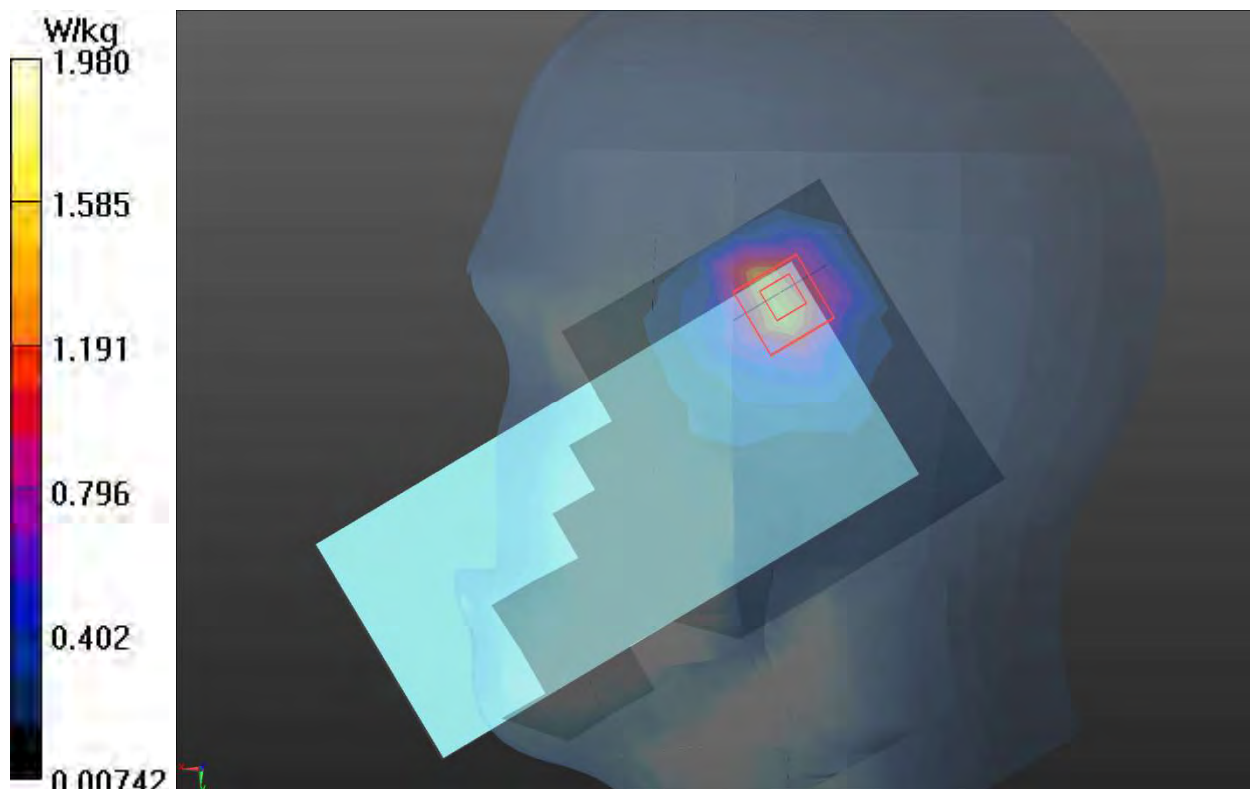
Right Cheek Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.13 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.448 W/kg

Maximum value of SAR (measured) = 1.98 W/kg



Plot 59 NR Band n5 50%RB Right Cheek Low

Date: 2022/4/30

Communication System: UID 0, 5G NR (0); Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 834 \text{ MHz}$; $\sigma = 0.953 \text{ S/m}$; $\epsilon_r = 39.907$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Low/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.620 W/kg

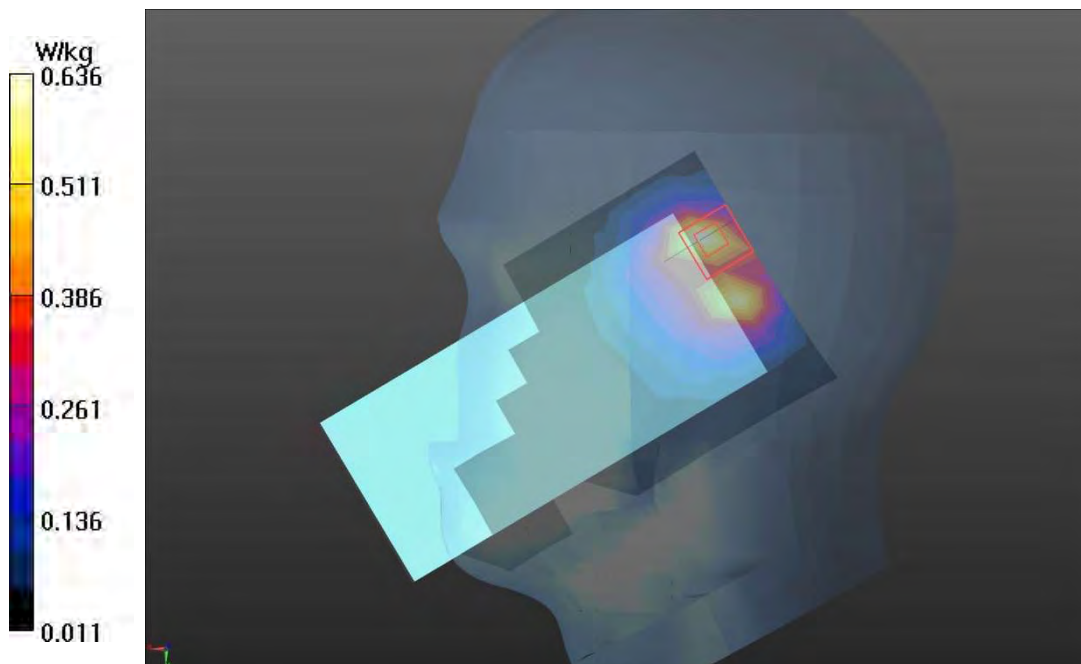
Right Cheek Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.46 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.360 W/kg ; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 0.636 W/kg



Plot 60 NR Band n7 1RB Right Cheek Middle

Date: 2022/5/6

Communication System: UID 0, 5G NR (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535 \text{ MHz}$; $\sigma = 1.94 \text{ S/m}$; $\epsilon_r = 37.31$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek Middle/Area Scan (10x18x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.32 W/kg

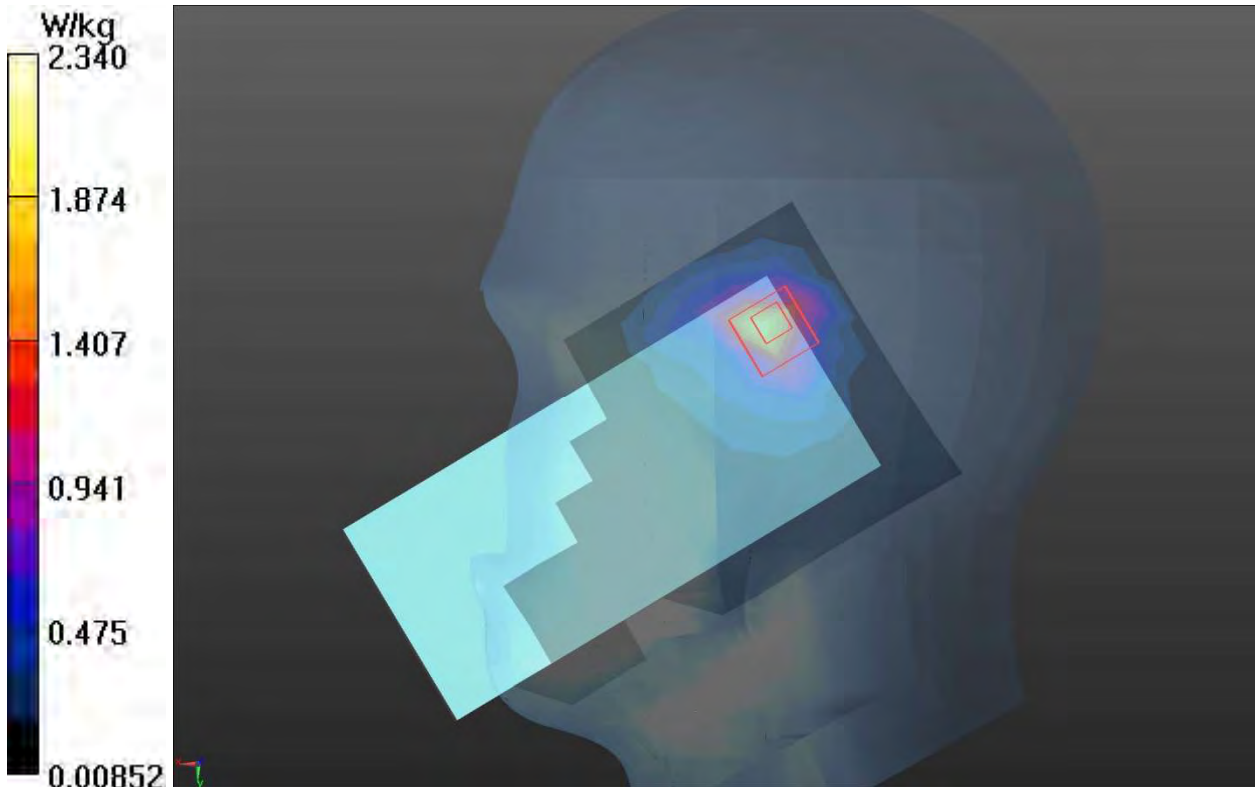
Right Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.79 V/m ; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 0.716 W/kg ; SAR(10 g) = 0.346 W/kg

Maximum value of SAR (measured) = 2.34 W/kg



Plot 61 NR Band n41 50%RB Right Cheek High

Date: 2022/5/9

Communication System: UID 0, 5G NR (0); Frequency: 2640 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 2640$ MHz; $\sigma = 2.058$ S/m; $\epsilon_r = 36.937$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek High/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.52 W/kg

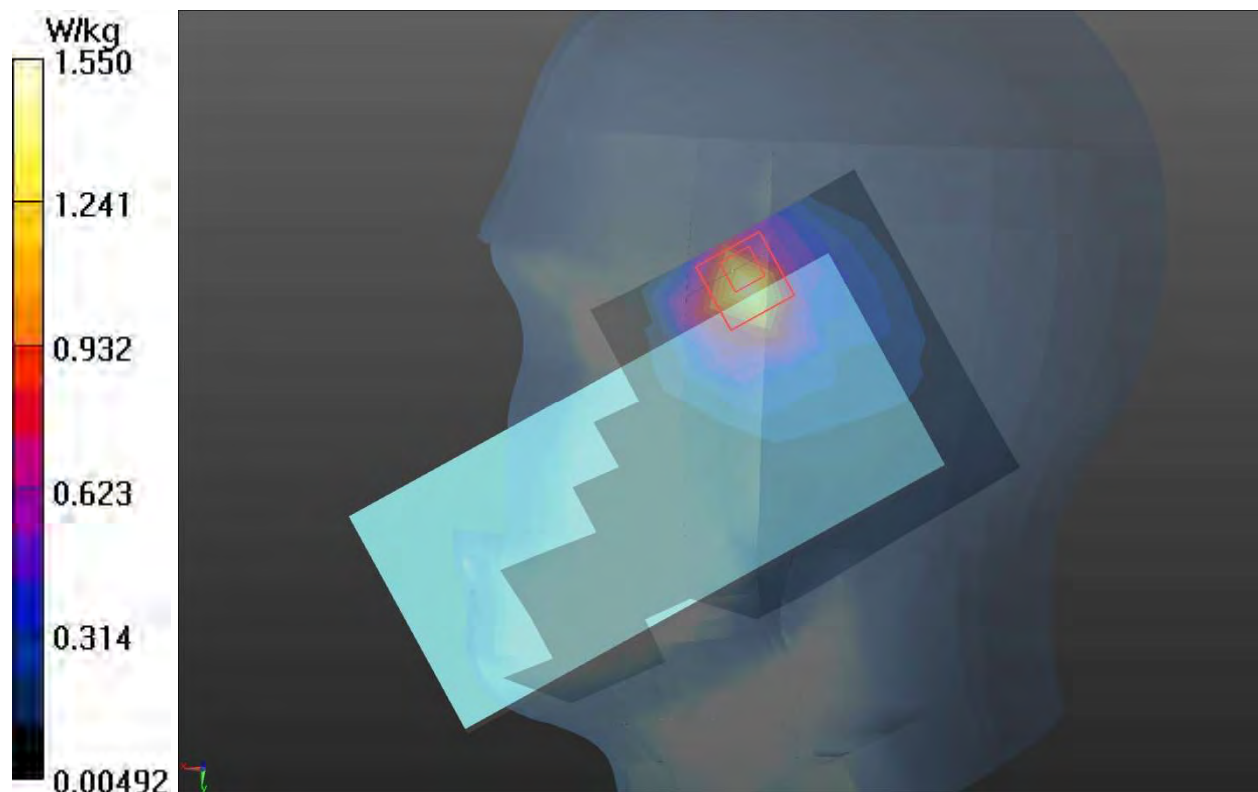
Right Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.188 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 0.747W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 1.55 W/kg



Plot 62 NR Band n66 1RB Right Cheek High

Date: 2022/5/10

Communication System: UID 0, 5G NR (0); Frequency: 1765 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1765$ MHz; $\sigma = 1.337$ S/m; $\epsilon_r = 39.351$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Cheek High/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.16 W/kg

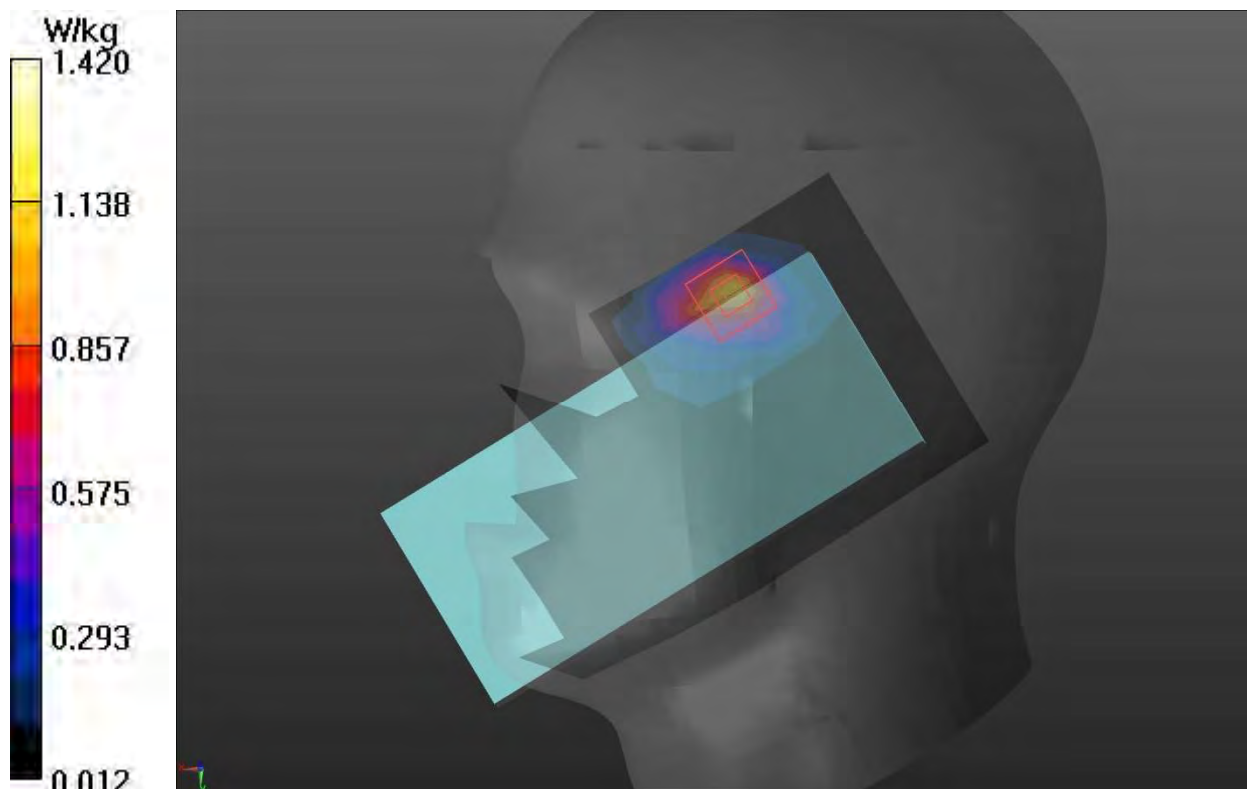
Right Cheek High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.787 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.367 W/kg

Maximum value of SAR (measured) = 1.42 W/kg



Plot 63 NR Band n77 1RB Left Tilt Middle

Date: 2022/5/12

Communication System: UID 0, 5G NR (0); Frequency: 3500 MHz;Duty Cycle: 1:4

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.807$ S/m; $\epsilon_r = 38.115$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Left Tilt Middle/Area Scan (12x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.429 W/kg

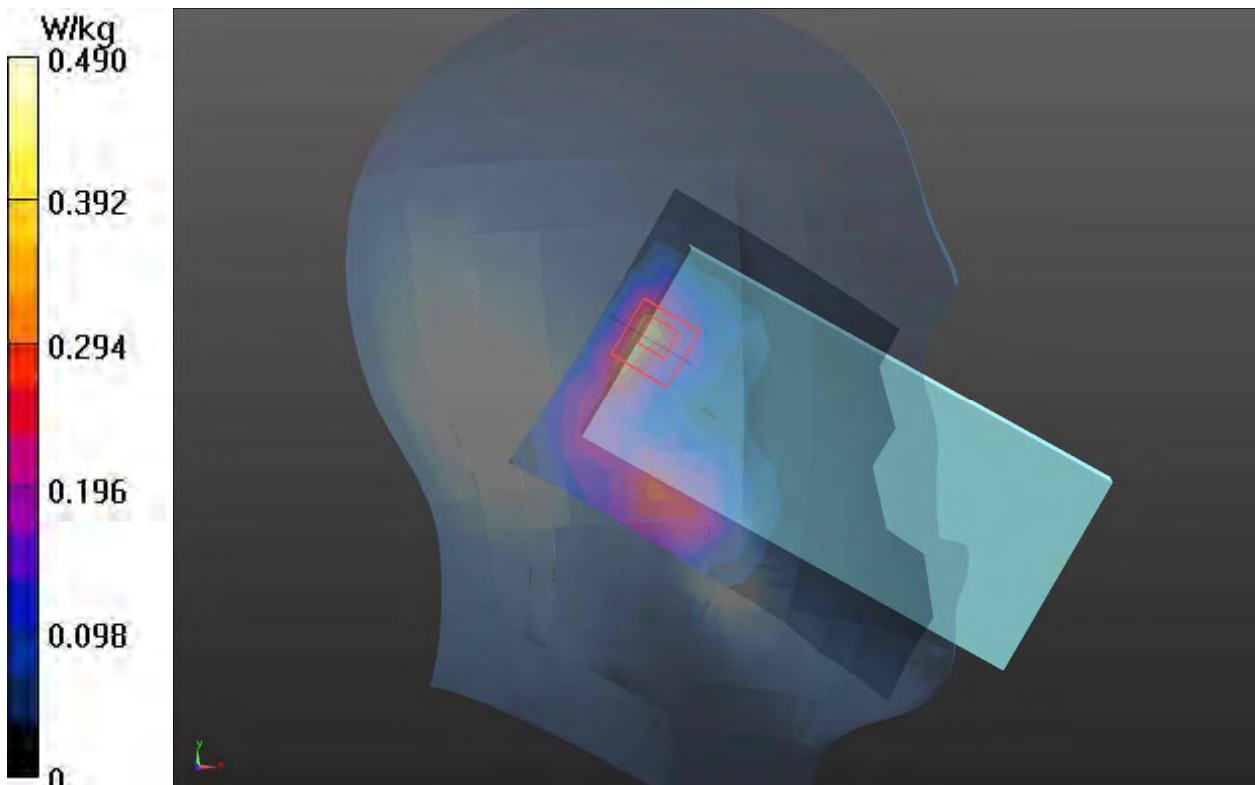
Left Tilt Middle/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.473 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.490 W/kg



Plot 64 NR Band n78 50%RB Left Tilt Middle

Date: 2022/5/12

Communication System: UID 0, 5G NR (0); Frequency: 3500 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.807$ S/m; $\epsilon_r = 38.115$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Left Tilt Middle/Area Scan (12x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.610 W/kg

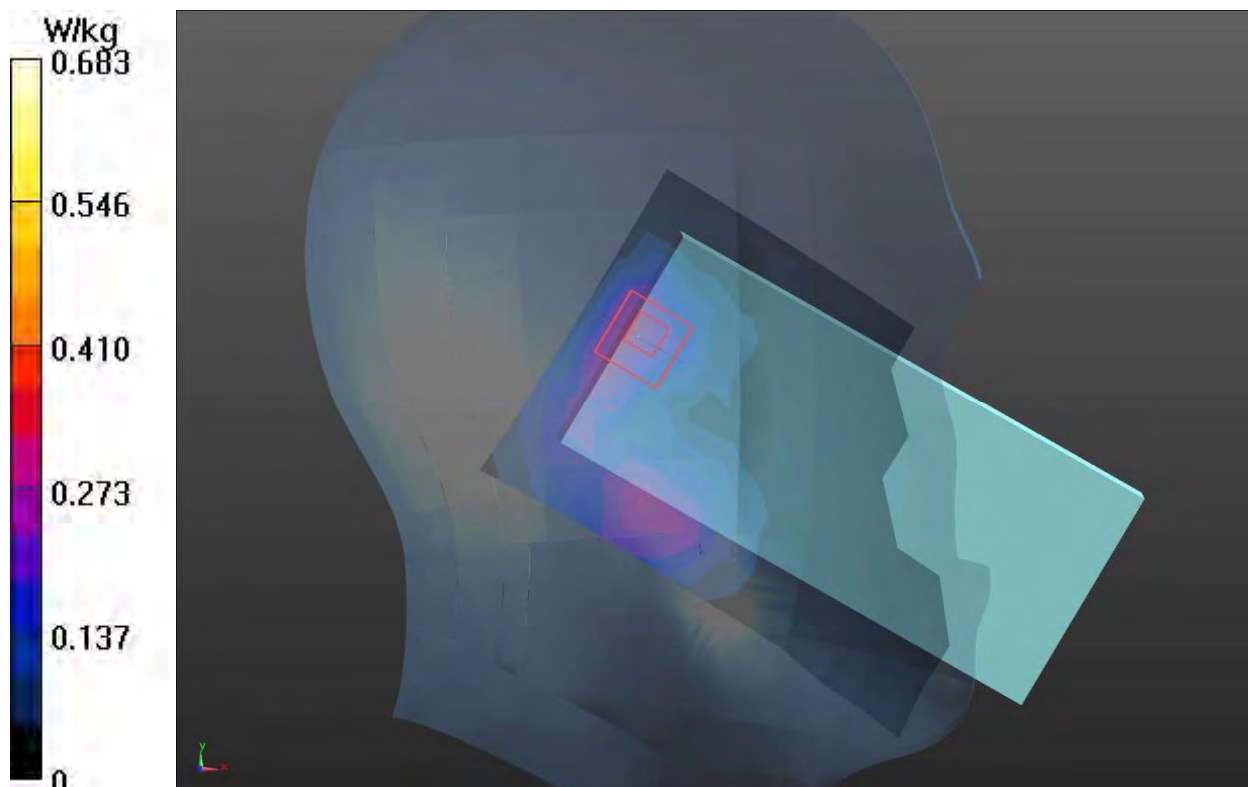
Left Tilt Middle/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.473 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.508 W/kg

SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.213W/kg

Maximum value of SAR (measured) = 0.638 W/kg



Plot 65 802.11b Right Tilt Middle

Date: 2022/5/15

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.02

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.831$ S/m; $\epsilon_r = 37.663$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Right Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.49, 7.49, 7.49); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Tilt Middle/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.602 W/kg

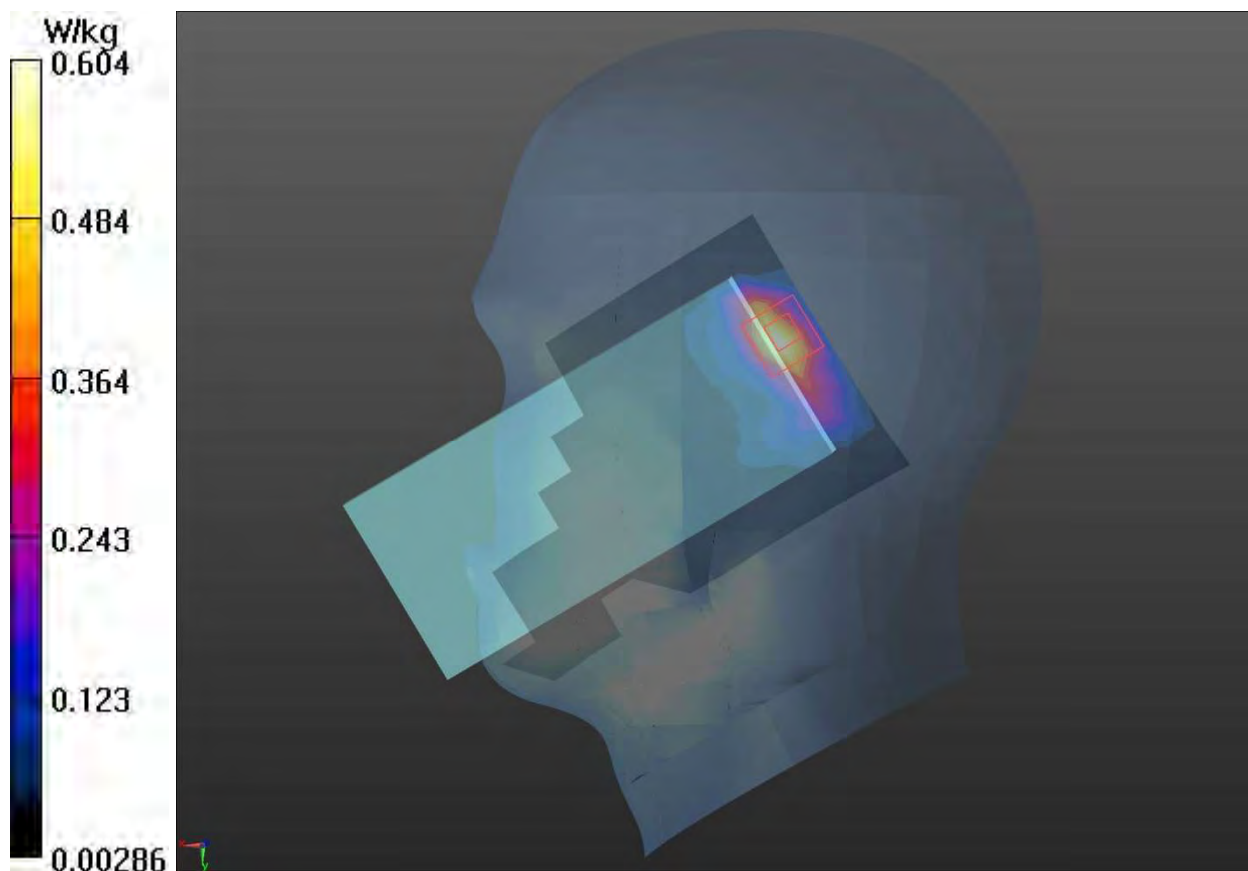
Right Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.01 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.819 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.604 W/kg



Plot 66 802.11a U-NII1 Left Cheek Low

Date: 2022/5/26

Communication System: UID 0, 802.11a (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 4.75$ S/m; $\epsilon_r = 36.766$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(5.44, 5.44, 5.44); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Left Cheek Low/Area Scan (12x21x1): Measurement grid: dx=10mm, dy=12mm

Maximum value of SAR (measured) = 1.21 W/kg

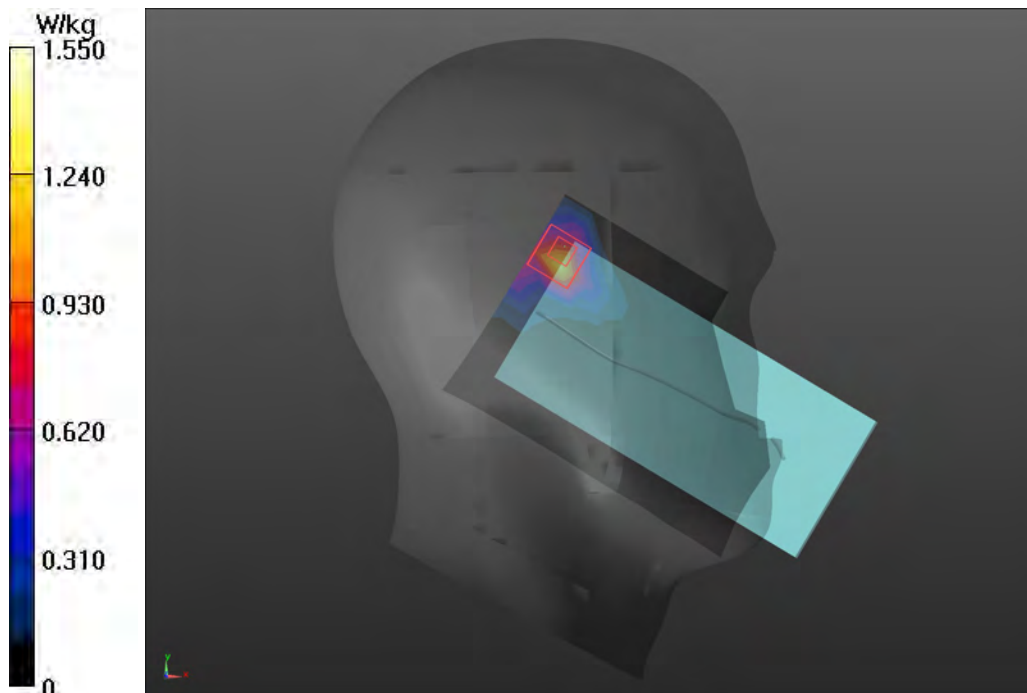
Left Cheek Low/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.123 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 3.46 W/kg

SAR(1 g) = 0.919 W/kg; SAR(10 g) = 0.313 W/kg

Maximum value of SAR (measured) = 1.55 W/kg



Plot 67 Bluetooth Left Tilt Middle

Date: 2022/5/15

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.30

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 37.585$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Left Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.49, 7.49, 7.49); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Left Tilt Middle/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.192 W/kg

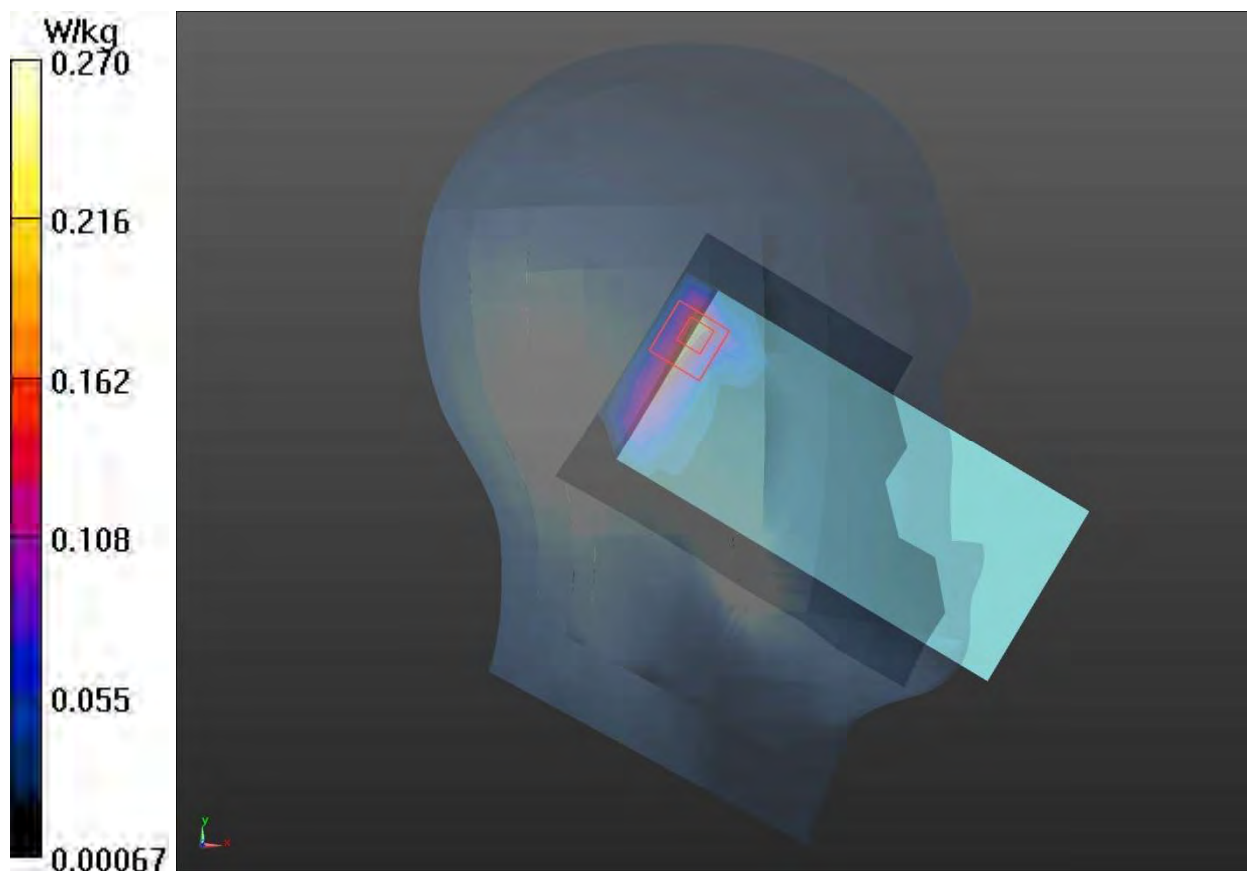
Left Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.873 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.270 W/kg



Plot 68 GSM 850 Bake Side Middle (Distance 15mm)

Date: 2022/4/19

Communication System: UID 0, GSM (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 39.762$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.302 W/kg

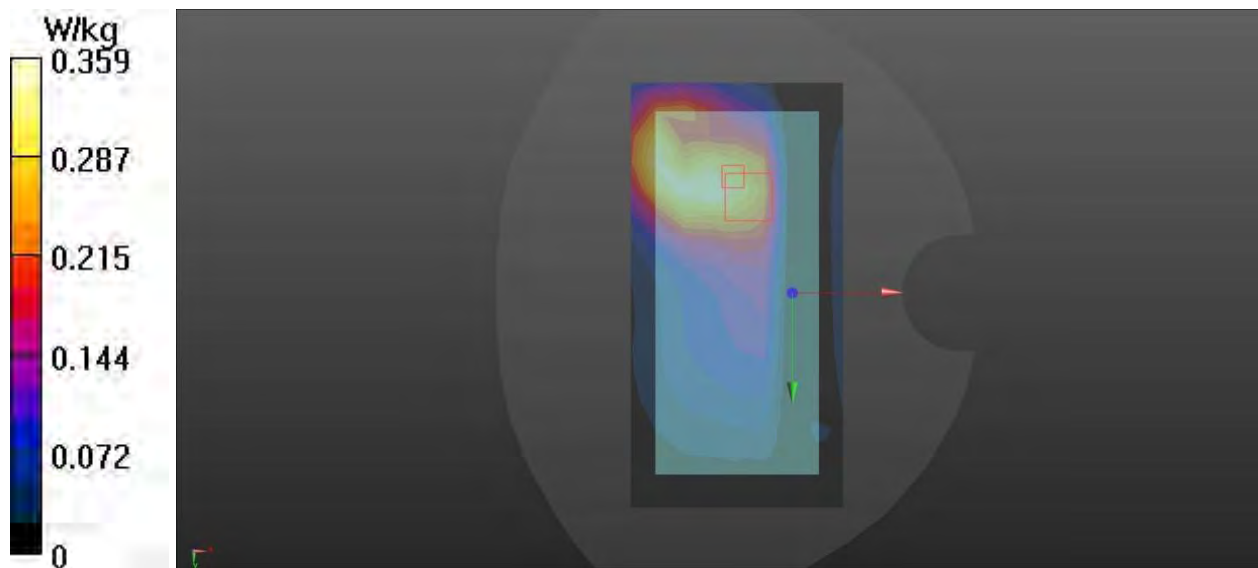
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.42 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 0.359 W/kg



Plot 69 GSM 1900 Back Side Middle (Distance 15mm)

Date: 2022/4/17

Communication System: UID 0, GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 38.948$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Middle/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.221 W/kg

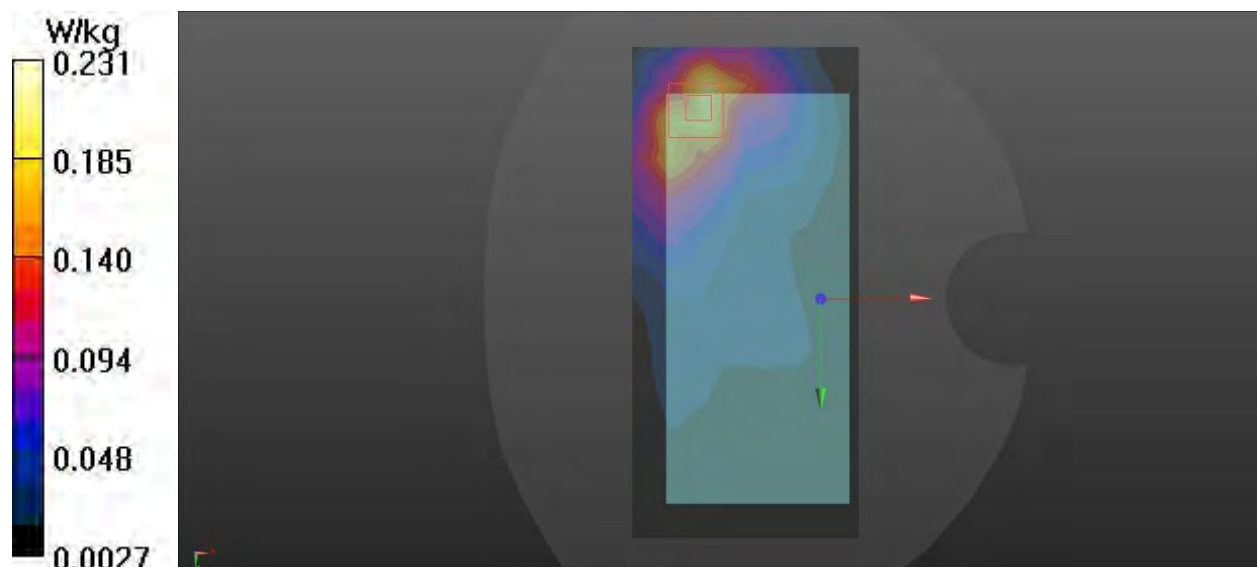
Back Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.254 V/m; Power Drift = 0.110 dB

Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.231 W/kg



Plot 70 UMTS Band II Back Side Middle (Distance 15mm)

Date: 2022/4/25

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 38.948$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Middle/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.510 W/kg

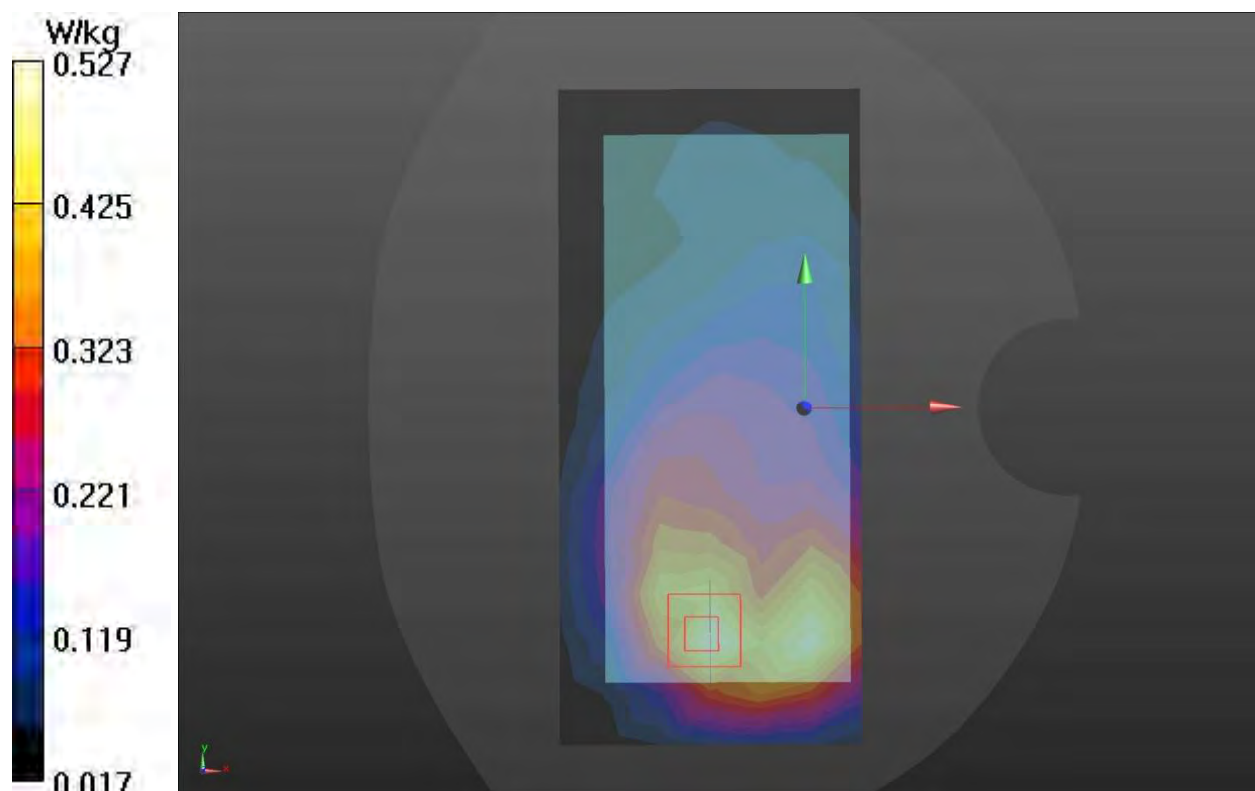
Back Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.50 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.767 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



Plot 71 UMTS Band IV Back Side Middle (Distance 15mm)

Date: 2022/4/18

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.6$ MHz; $\sigma = 1.312$ S/m; $\epsilon_r = 39.365$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Middle/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.475 W/kg

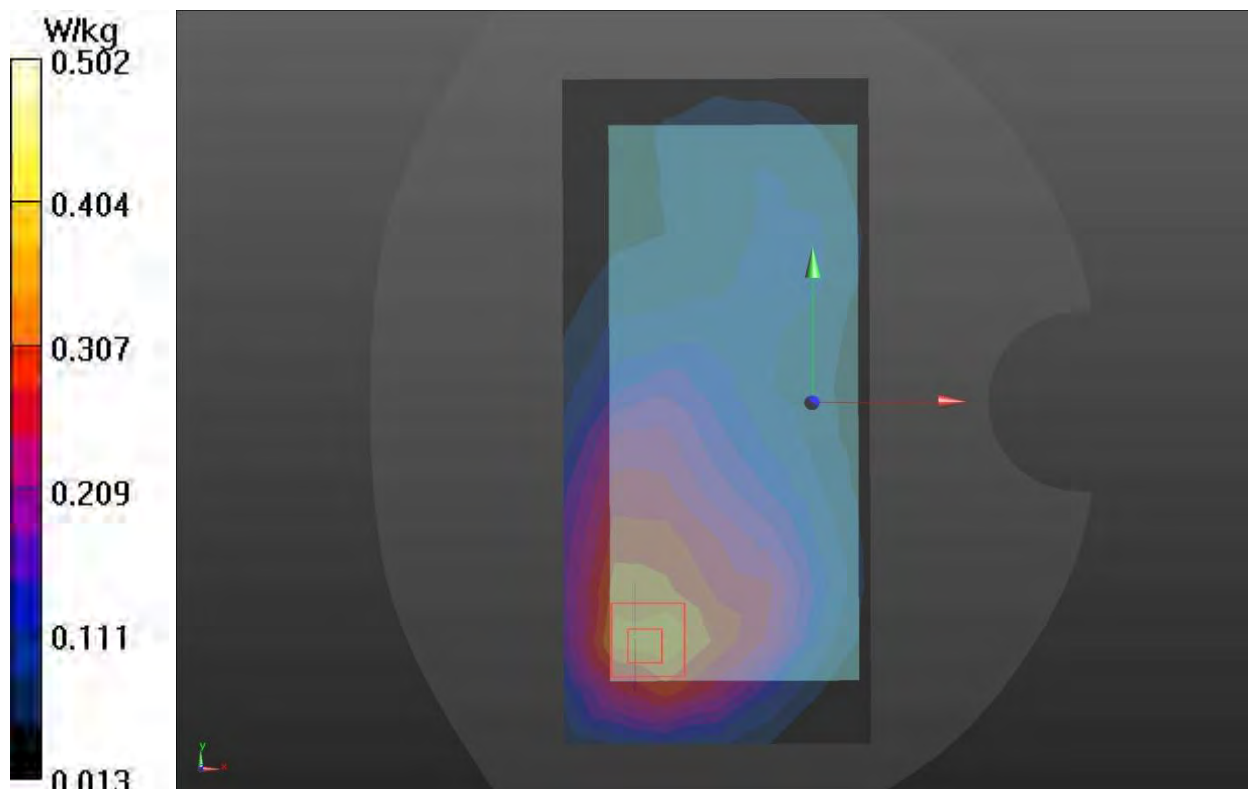
Back Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.531 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 0.502W/kg



Plot 72 UMTS Band V Back Side Middle (Distance 15mm)

Date: 2022/4/30

Communication System: UID 0, WCDMA (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 39.762$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.270 W/kg

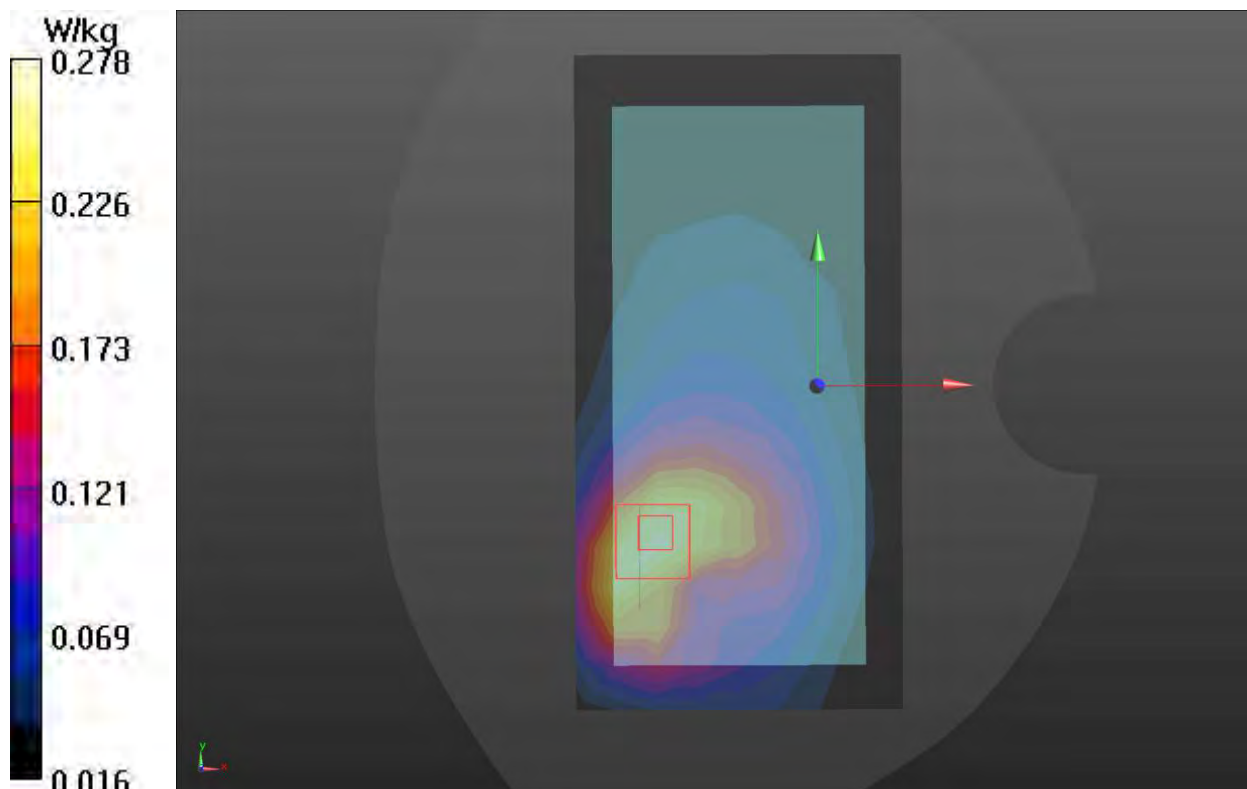
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.433 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.278 W/kg



Plot 73 LTE Band 2 1RB Back Side Low (Distance 15mm)

Date: 2022/5/5

Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 39.071$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Low/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.490 W/kg

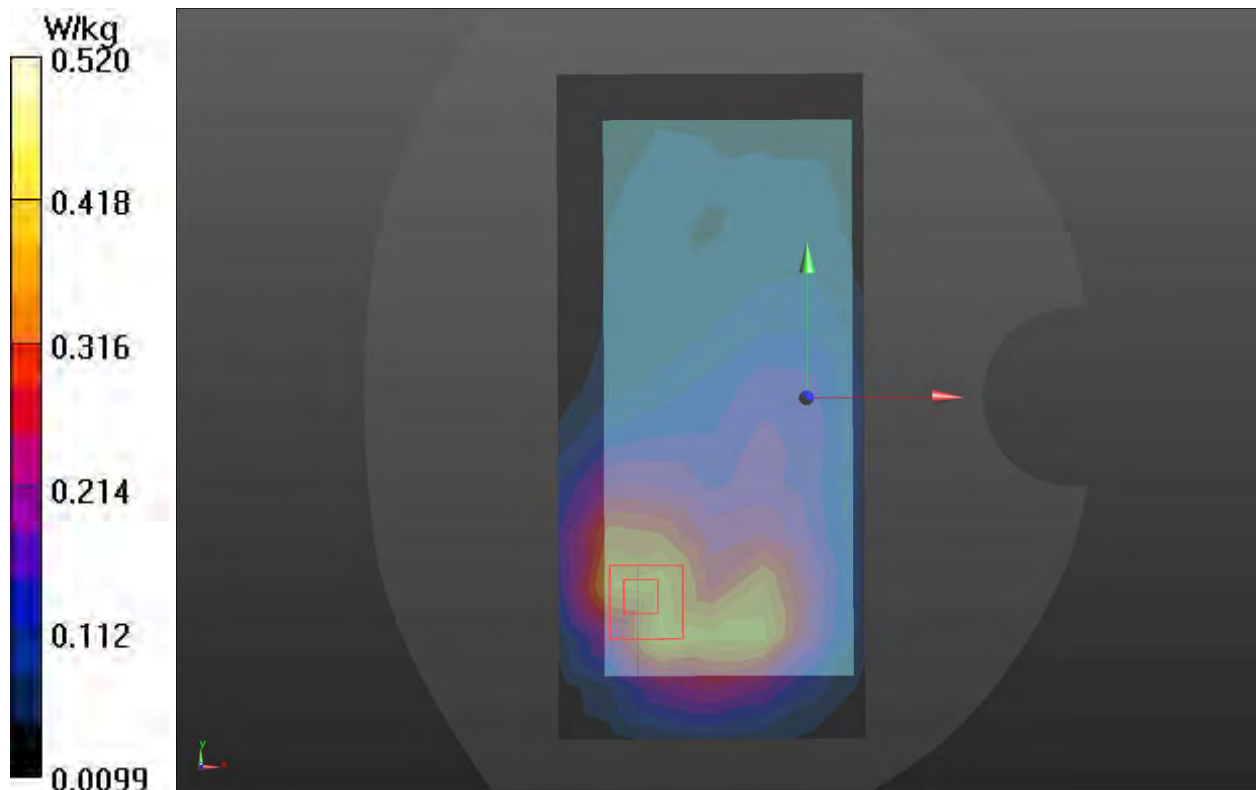
Back Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.11 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.702 W/kg

SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 0.520 W/kg



Plot 74 LTE Band 4 1RB Back Side Middle (Distance 15mm)

Date: 2022/4/24

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.313$ S/m; $\epsilon_r = 39.384$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Middle/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.475 W/kg

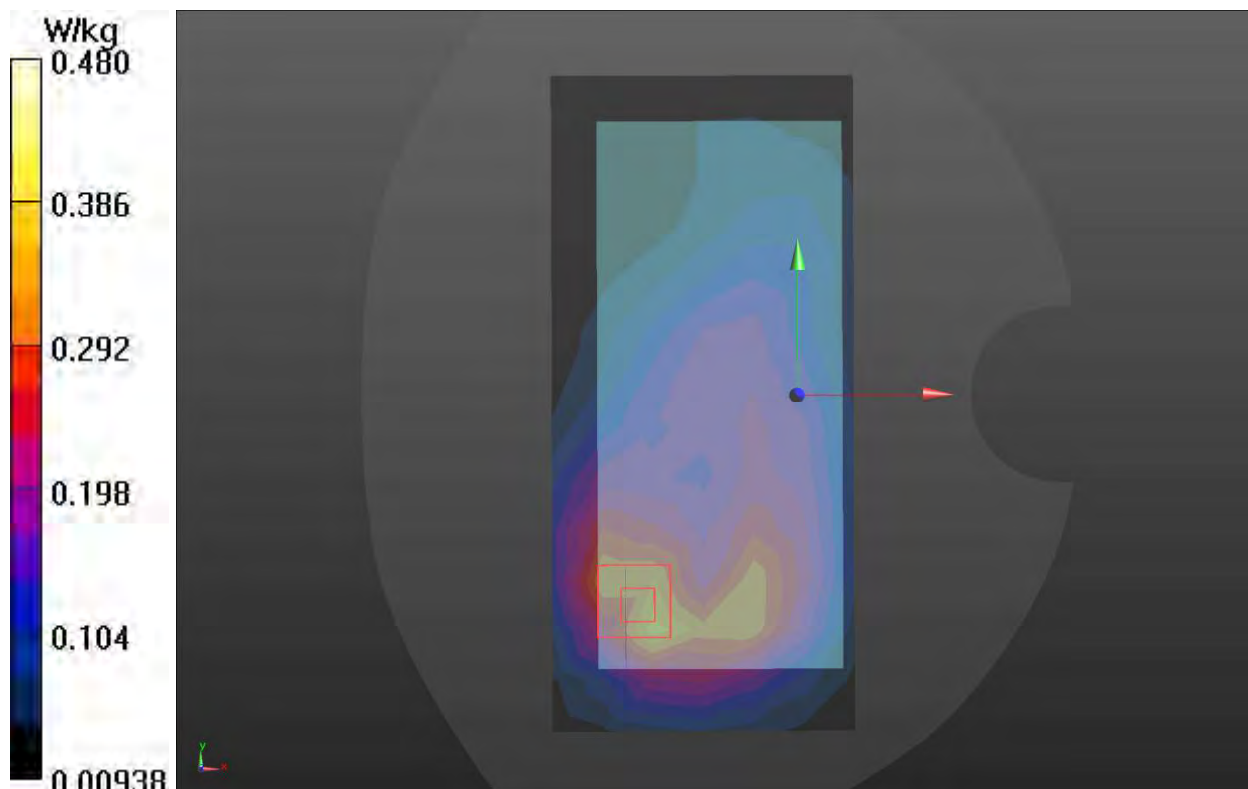
Back Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.30 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.569 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 0.480 W/kg



Plot 75 LTE Band 5 1RB Back Side Low High (Distance 15mm)

Date: 2022/4/20

Communication System: UID 0, LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.946 \text{ S/m}$; $\epsilon_r = 39.678$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Low/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.352 W/kg

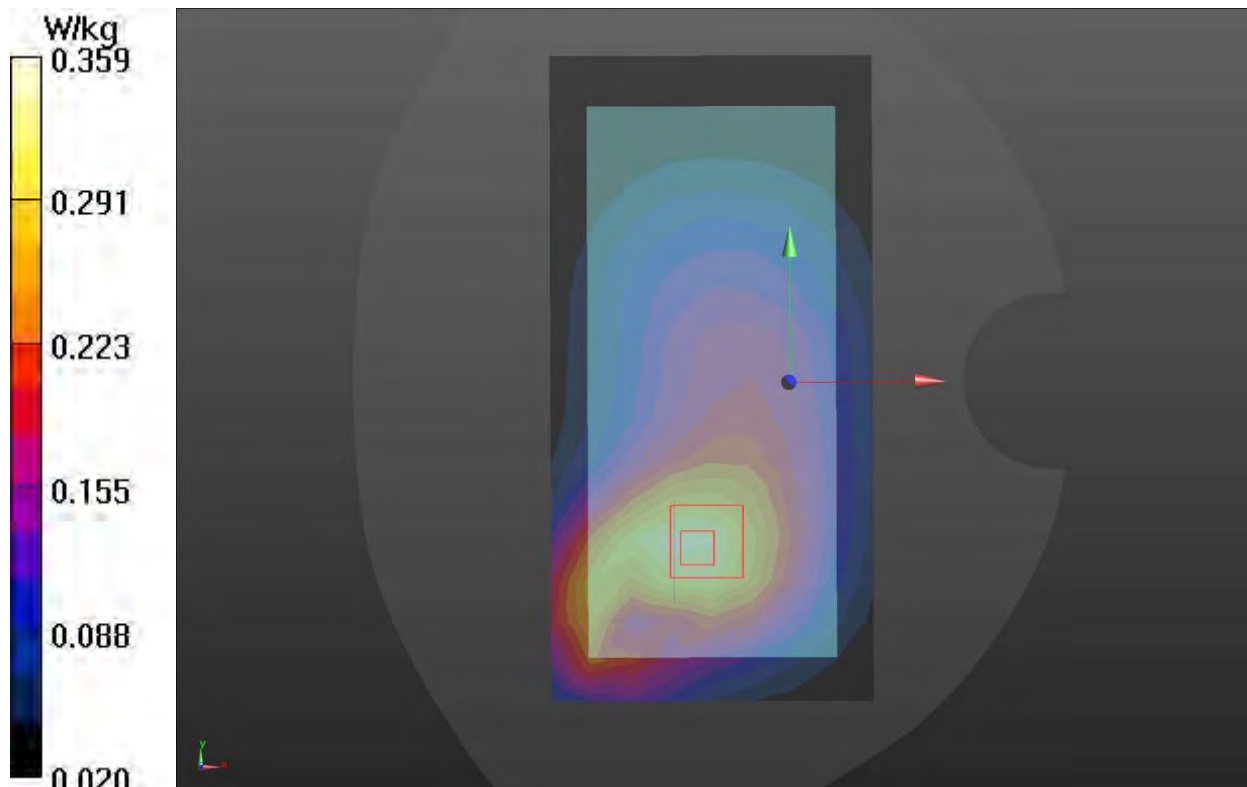
Bake Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.60 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.401 W/kg

SAR(1 g) = 0.282 W/kg ; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.359 W/kg



Plot 76 LTE Band 7 1RB Back Side Middle (Distance 15mm)

Date: 2022/4/16

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535 \text{ MHz}$; $\sigma = 1.94 \text{ S/m}$; $\epsilon_r = 37.31$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (9x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.913 W/kg

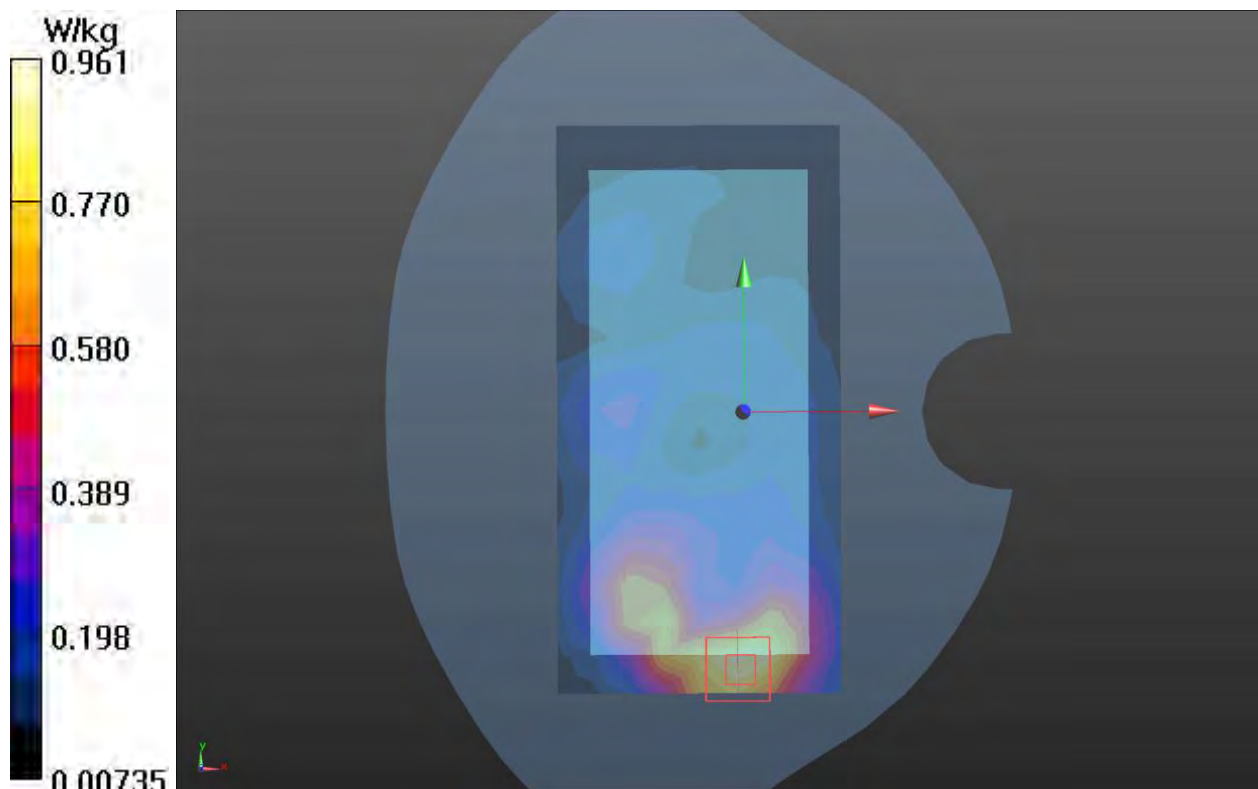
Bake Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.390 V/m ; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.607 W/kg ; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 0.961 W/kg



Plot 77 LTE Band 12 1RB Back Side Middle (Distance 15mm)

Date: 2022/4/23

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 40.725$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.160 W/kg

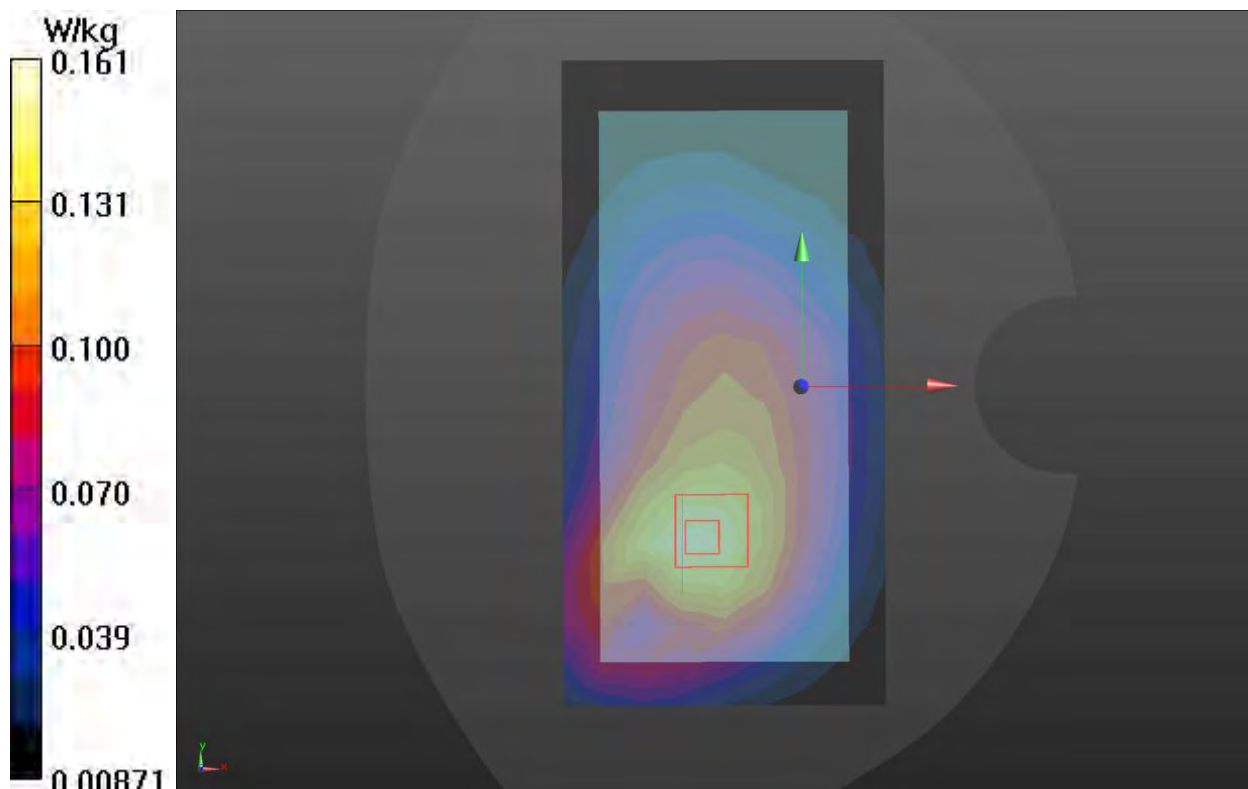
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.06 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.161 W/kg



Plot 78 LTE Band 28A 1RB Back Side Low (Distance 15mm)

Date: 2022/4/29

Communication System: UID 0, LTE (0); Frequency: 713 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 713 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 40.697$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Low/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.200 W/kg

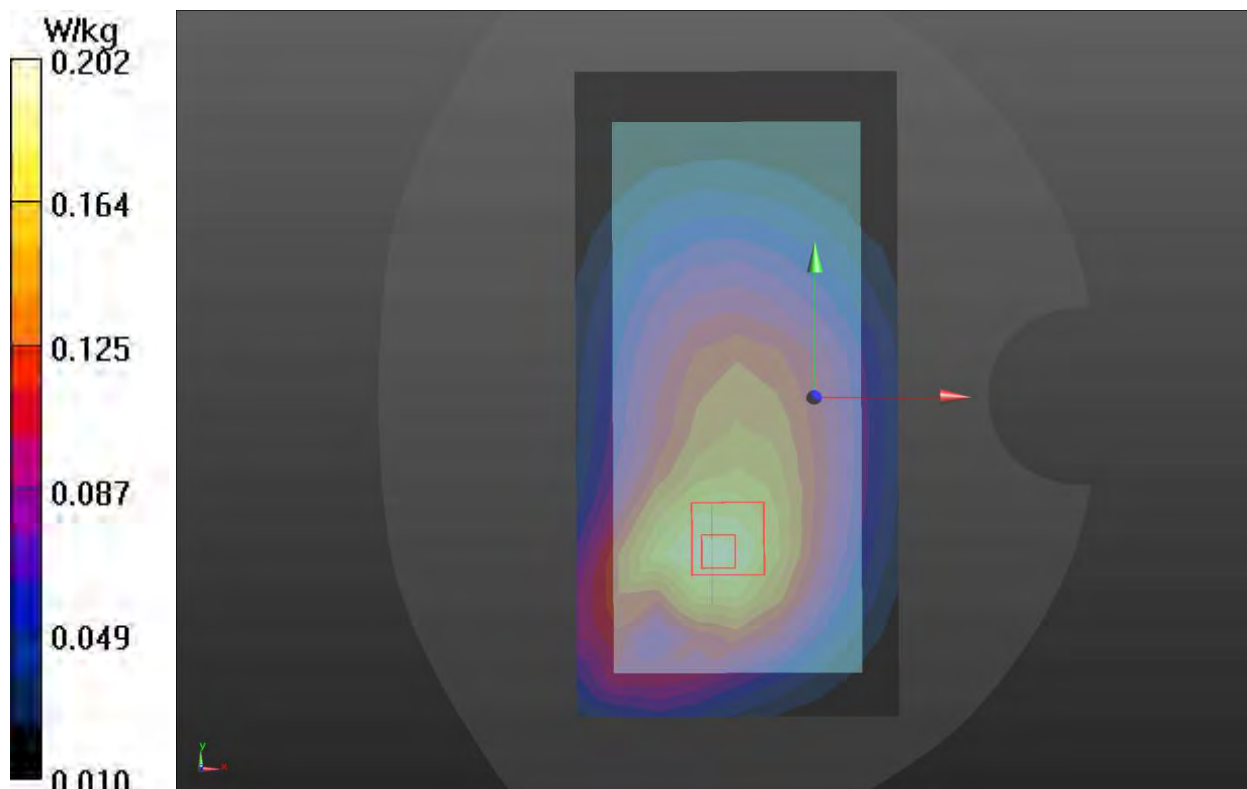
Bake Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.41 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.158 W/kg ; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.202 W/kg



Plot 79 LTE Band 28B 1RB Back Side Middle (Distance 15mm)

Date: 2022/4/29

Communication System: UID 0, LTE (0); Frequency: 728 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 728 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 40.599$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.250 W/kg

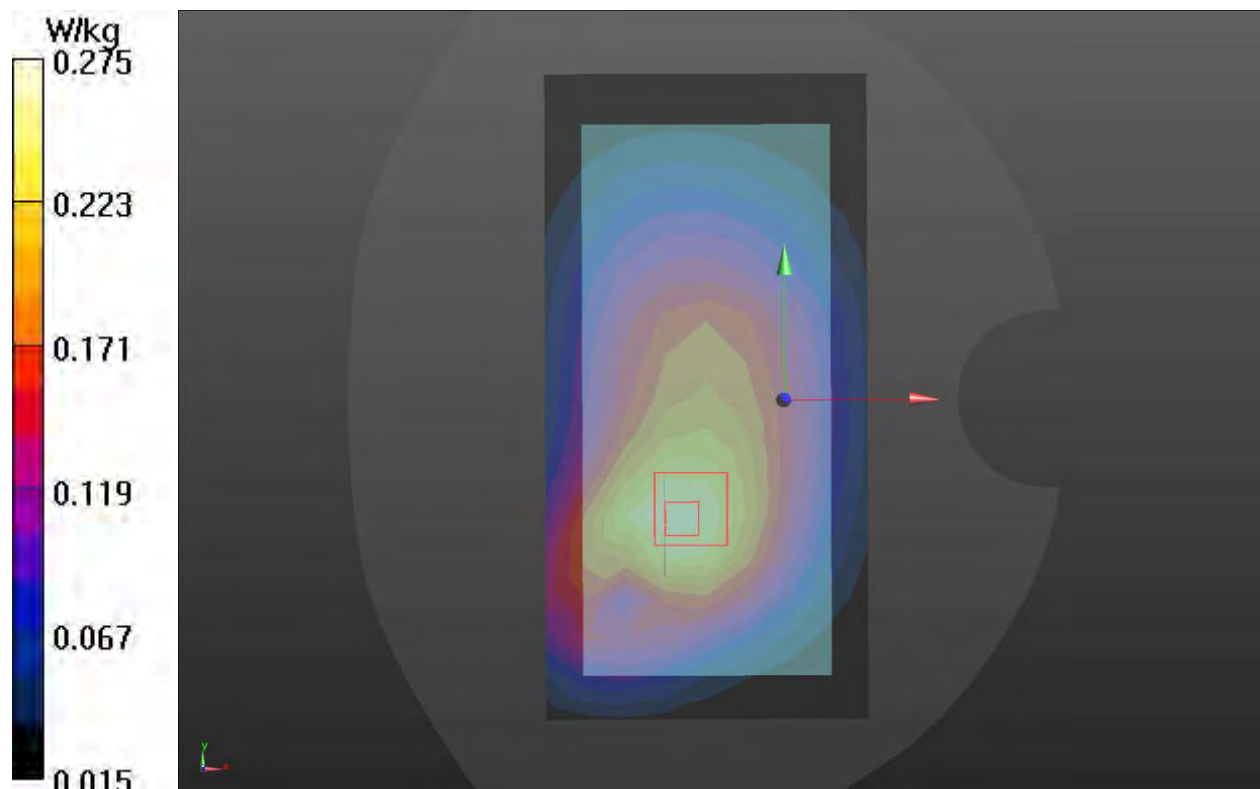
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.71 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.216 W/kg ; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 0.275 W/kg



Plot 80 LTE Band 40 1RB Bake Side High (Distance 15mm)

Date: 2022/6/1

Communication System: UID 0, LTE (0); Frequency: 2395 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2395$ MHz; $\sigma = 1.775$ S/m; $\epsilon_r = 37.808$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.68, 7.68, 7.68); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side High/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.404 W/kg

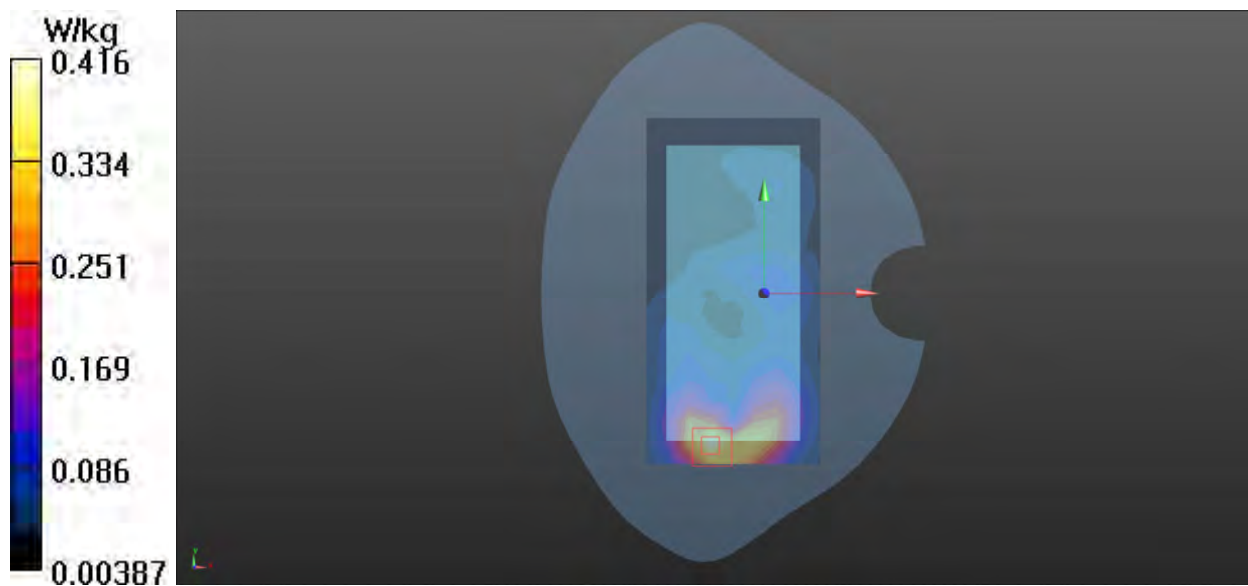
Bake Side High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.290 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.416 W/kg



Plot 81 LTE Band 41 1RB Back Side Low (Distance 15mm)

Date: 2022/5/30

Communication System: UID 0, LTE (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 2.054$ S/m; $\epsilon_r = 36.947$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.577 W/kg

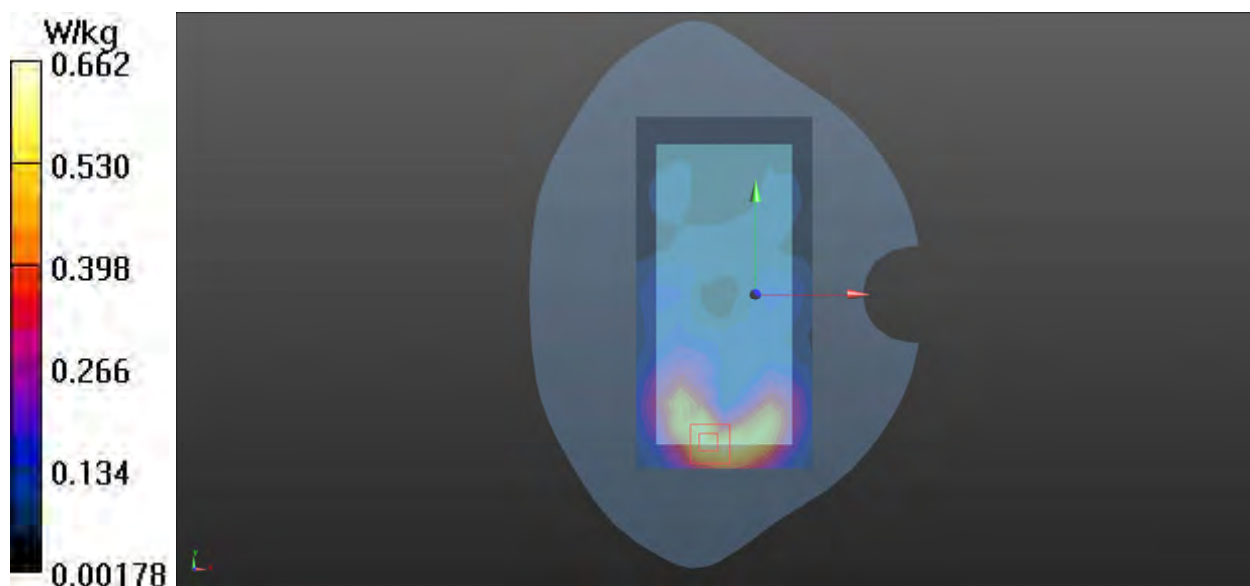
Bake Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.072 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.2 W/kg

SAR(1 g) = 0.574 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.662 W/kg



Plot 82 LTE Band 66 1RB Back Side Middle (Distance 15mm)

Date: 2022/5/23

Communication System: UID 0, LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.323$ S/m; $\epsilon_r = 39.378$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Middle/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.514 W/kg

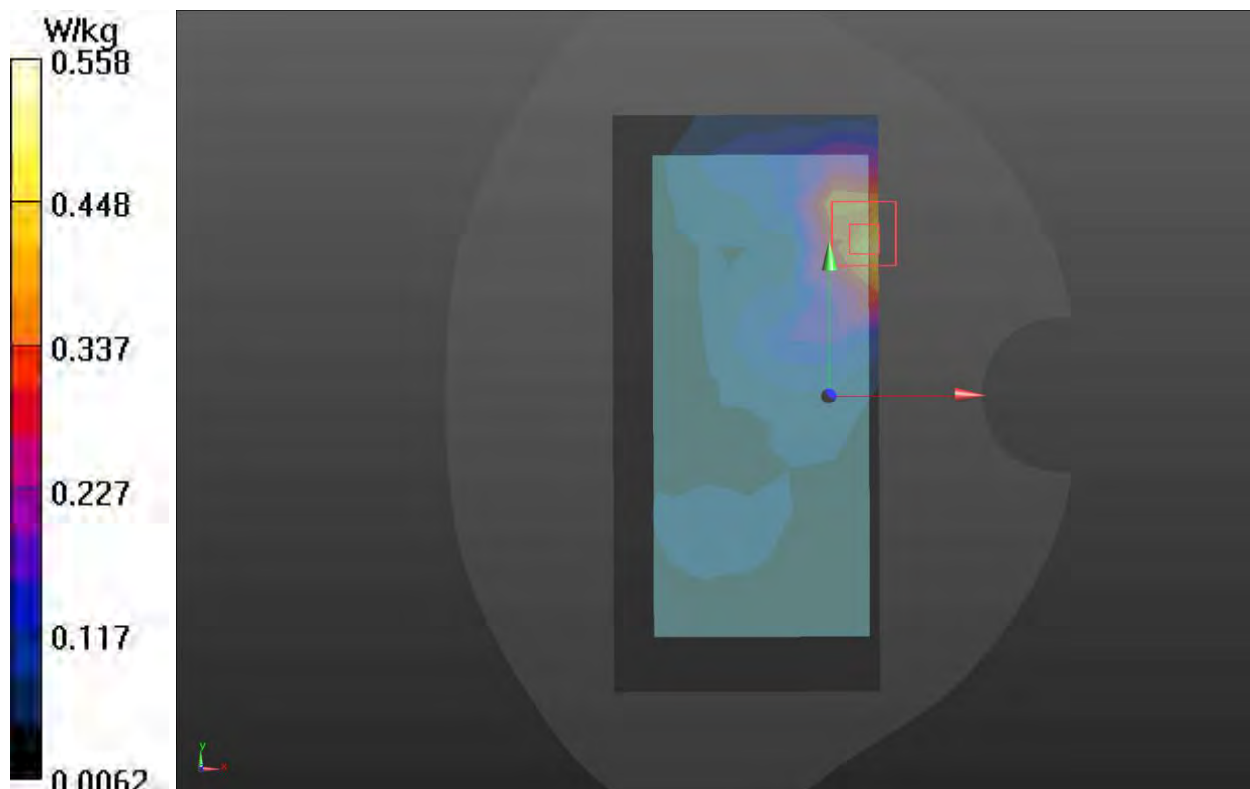
Back Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.578 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.878 W/kg

SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.558 W/kg



Plot 83 NR Band n2 50%RB Back Side Middle (Distance 15mm)

Date: 2022/5/22

Communication System: UID 0, 5G NR (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 38.948$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.289 W/kg

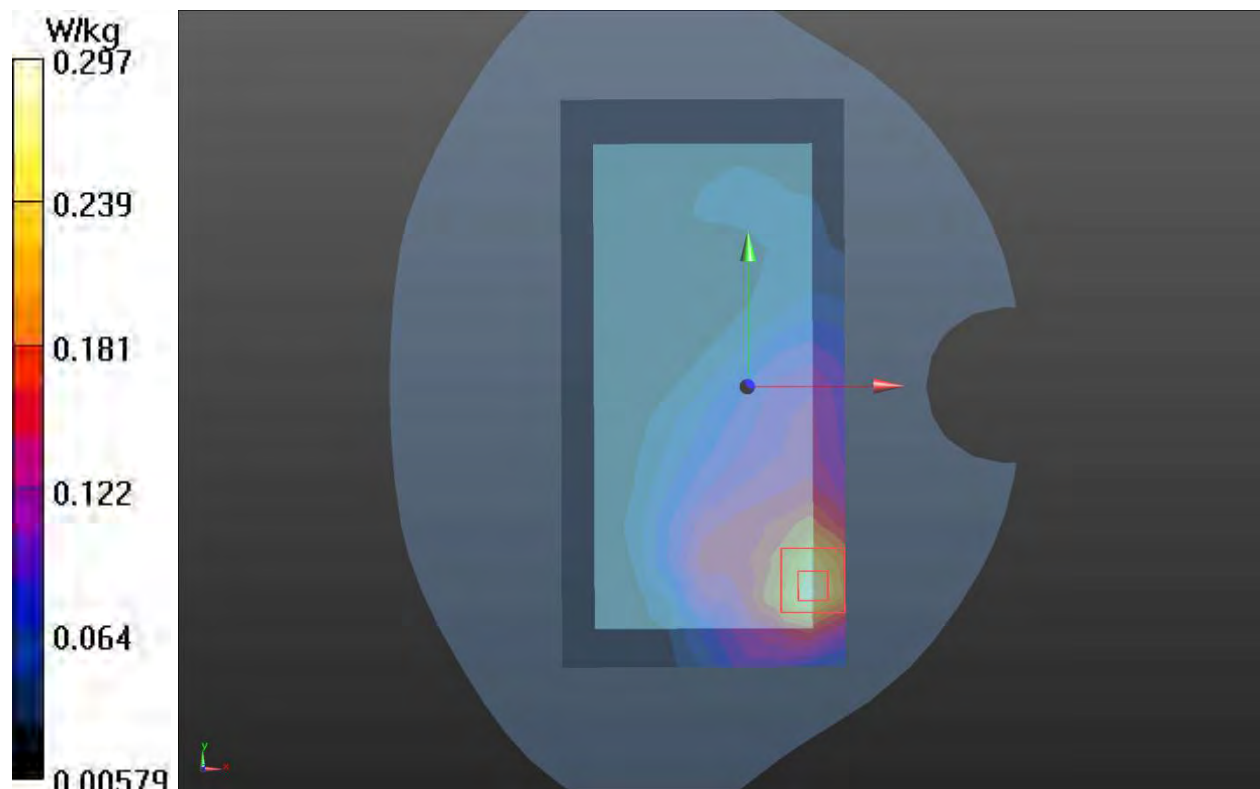
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.223 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.297 W/kg



Plot 84 NR Band n5 1RB Back Side High (Distance 15mm)

Date: 2022/4/20

Communication System: UID 0, 5G NR (0); Frequency: 839 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 839 \text{ MHz}$; $\sigma = 0.955 \text{ S/m}$; $\epsilon_r = 39.75$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side High/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.441 W/kg

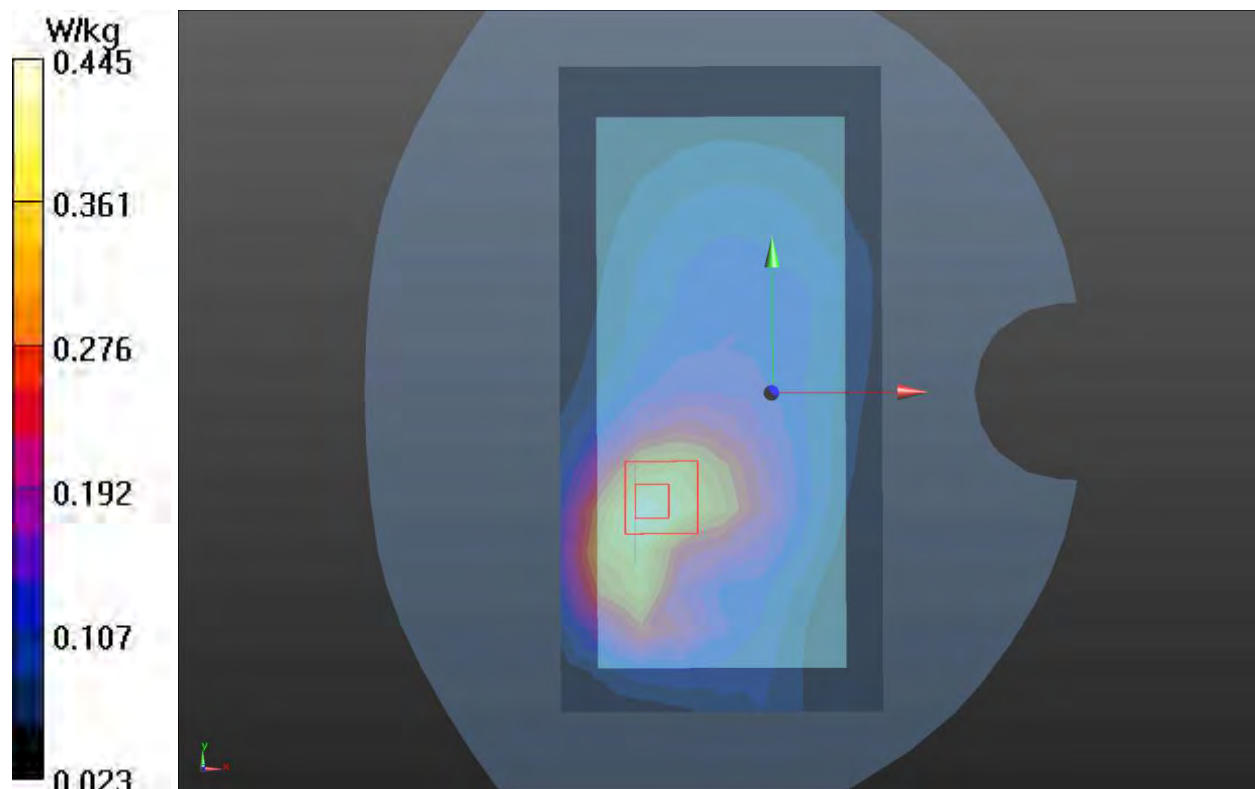
Bake Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.89 V/m ; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.539 W/kg

SAR(1 g) = 0.315 W/kg ; SAR(10 g) = 0.199 W/kg

Maximum value of SAR (measured) = 0.445 W/kg



Plot 85 NR Band n7 50%RB Back Side Middle (Distance 15mm)

Date: 2022/5/6

Communication System: UID 0, 5G NR (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 37.31$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.719 W/kg

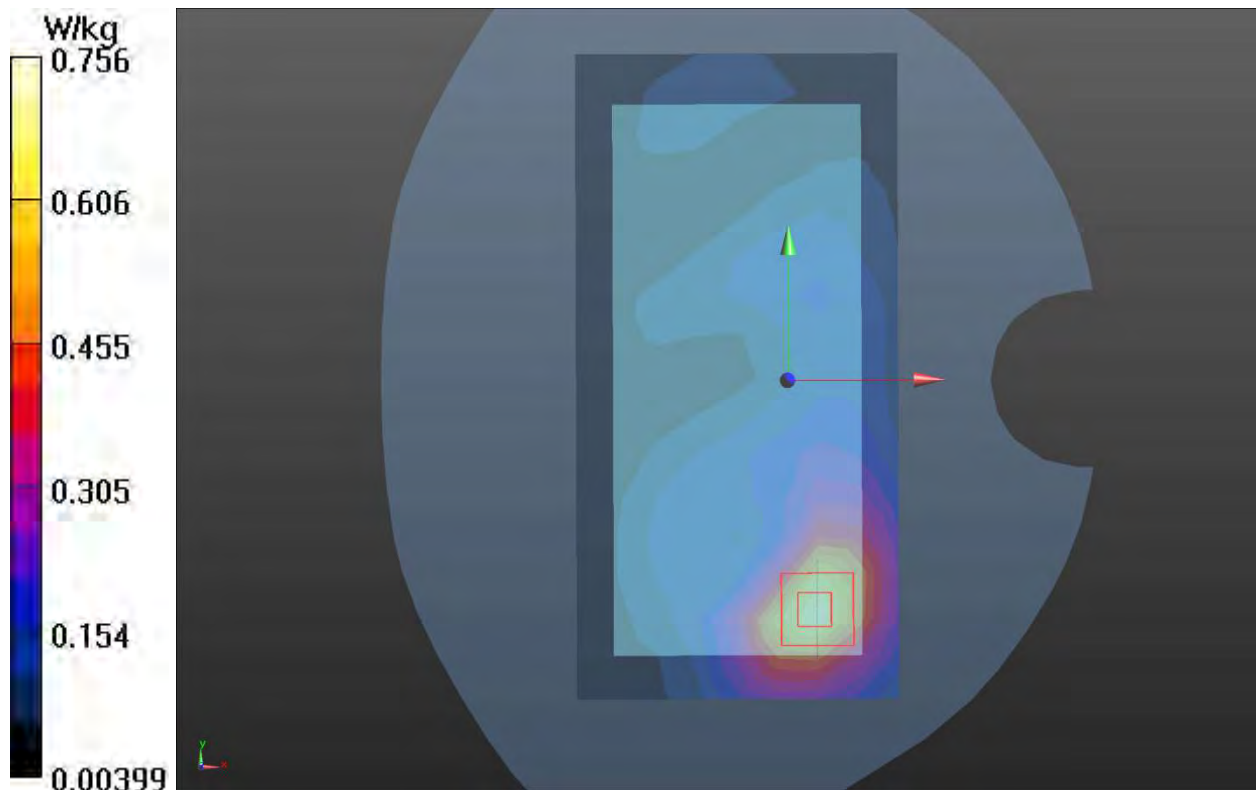
Bake Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.032 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 0.756 W/kg



Plot 86 NR Band n41 50%RB Back Side High (Distance 15mm)

Date: 2022/5/9

Communication System: UID 0, 5G NR (0); Frequency: 2640 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 2640$ MHz; $\sigma = 2.058$ S/m; $\epsilon_r = 36.937$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side High/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.586 W/kg

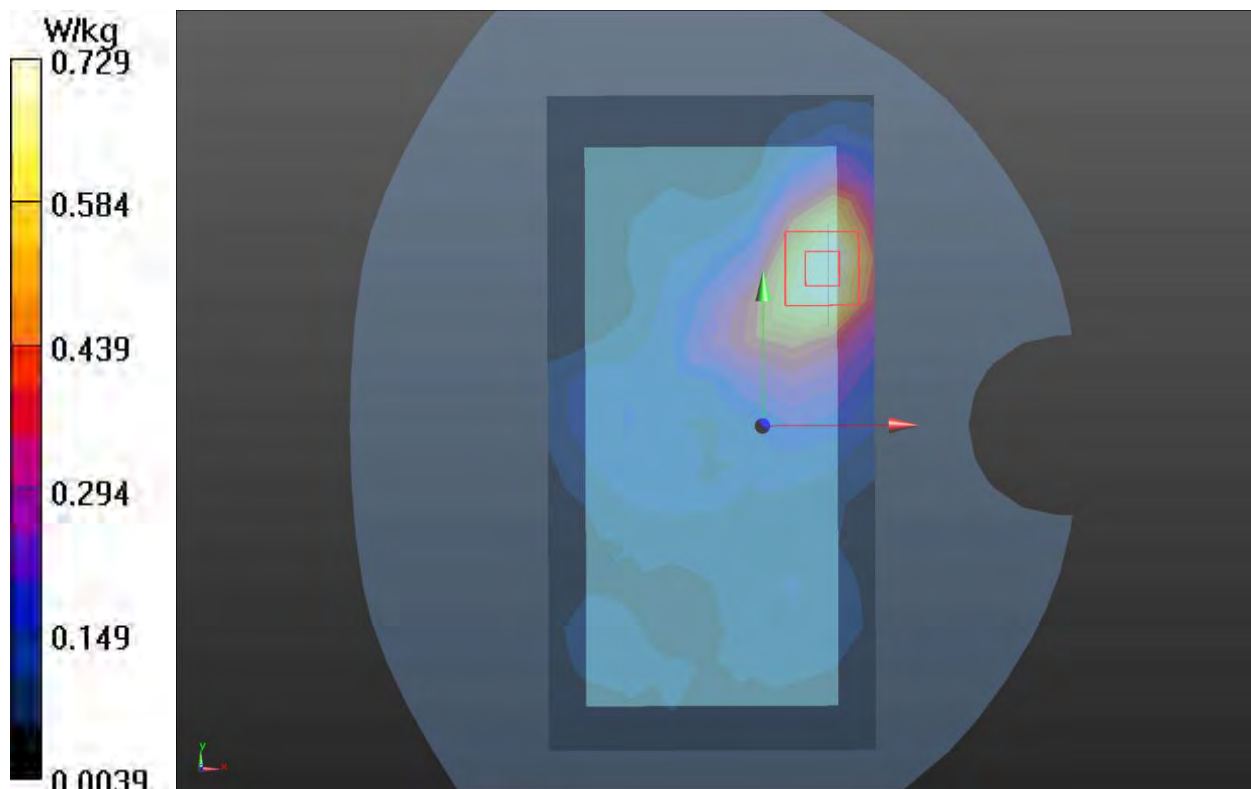
Bake Side High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.861 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.928 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.729 W/kg



Plot 87 NR Band n66 1RB Back Side High (Distance 15mm)

Date: 2022/5/23

Communication System: UID 0, 5G NR (0); Frequency: 1765 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1765$ MHz; $\sigma = 1.337$ S/m; $\epsilon_r = 39.351$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side High/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.314 W/kg

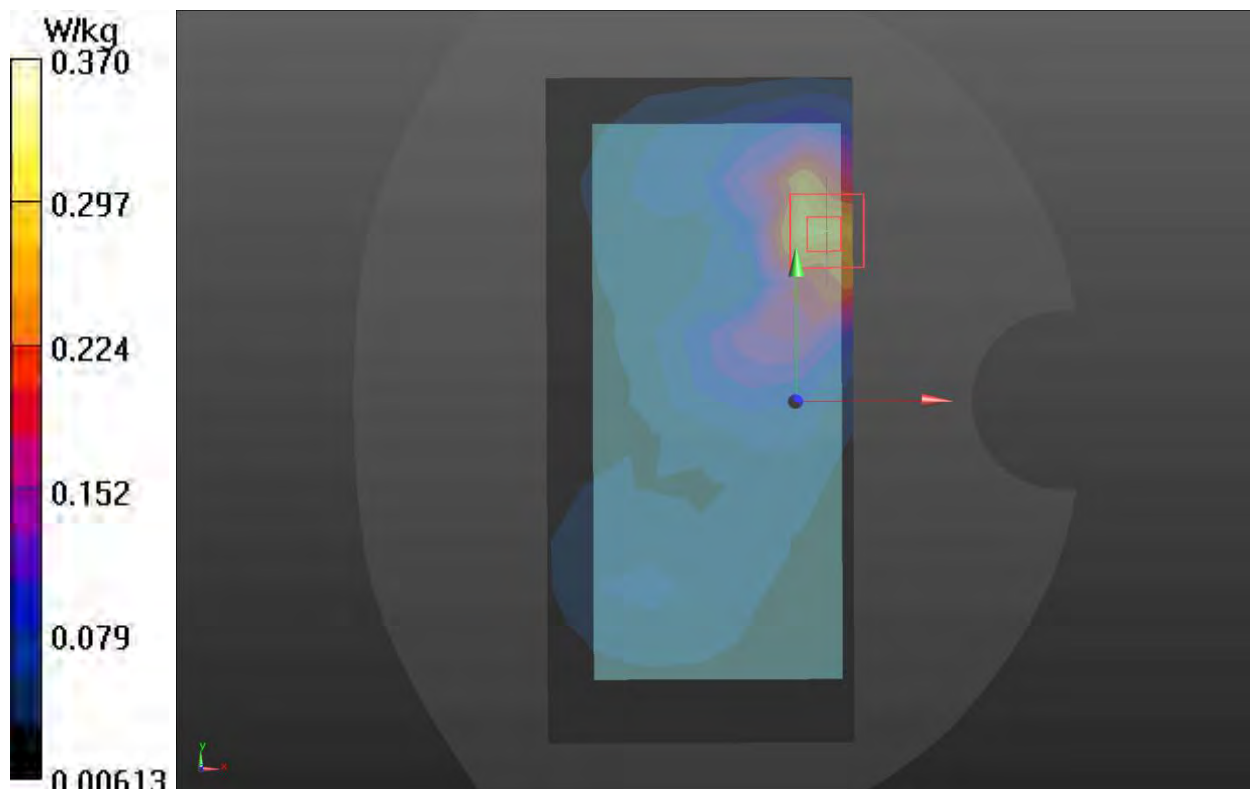
Back Side High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.689 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.573 W/kg

SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.370 W/kg



Plot 88 NR Band n77 1RB Back Side High (Distance 15mm)

Date: 2022/4/28

Communication System: UID 0, 5G NR (0); Frequency: 3750 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 3750$ MHz; $\sigma = 3.088$ S/m; $\epsilon_r = 37.562$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.51, 6.51, 6.51); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side High/Area Scan (11x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.452 W/kg

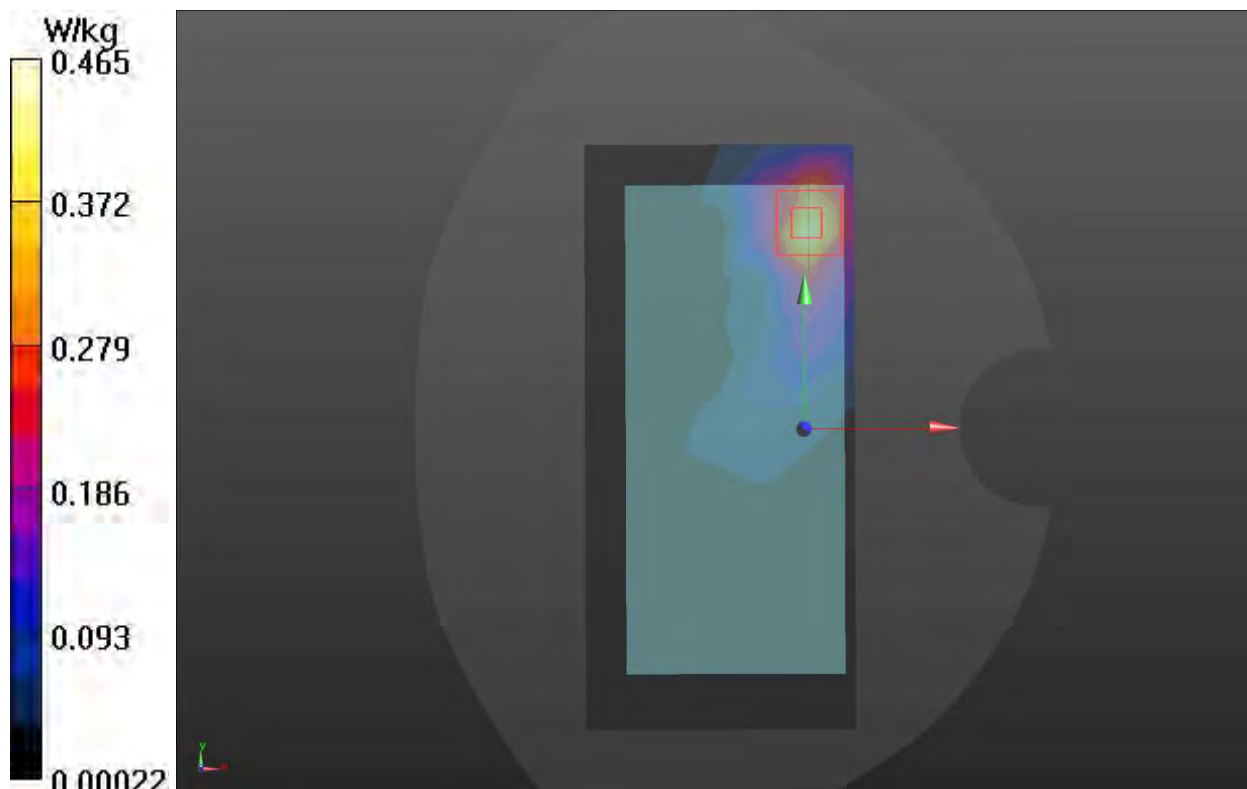
Back Side High/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.664 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.958 W/kg

SAR(1 g) = 0.312W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.465 W/kg



Plot 89 NR Band n78 50%RB Back Side Middle (Distance 15mm)

Date: 2022/4/27

Communication System: UID 0, 5G NR (0); Frequency: 3500 MHz;Duty Cycle: 1:4

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.807$ S/m; $\epsilon_r = 38.115$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Middle/Area Scan (11x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.452W/kg

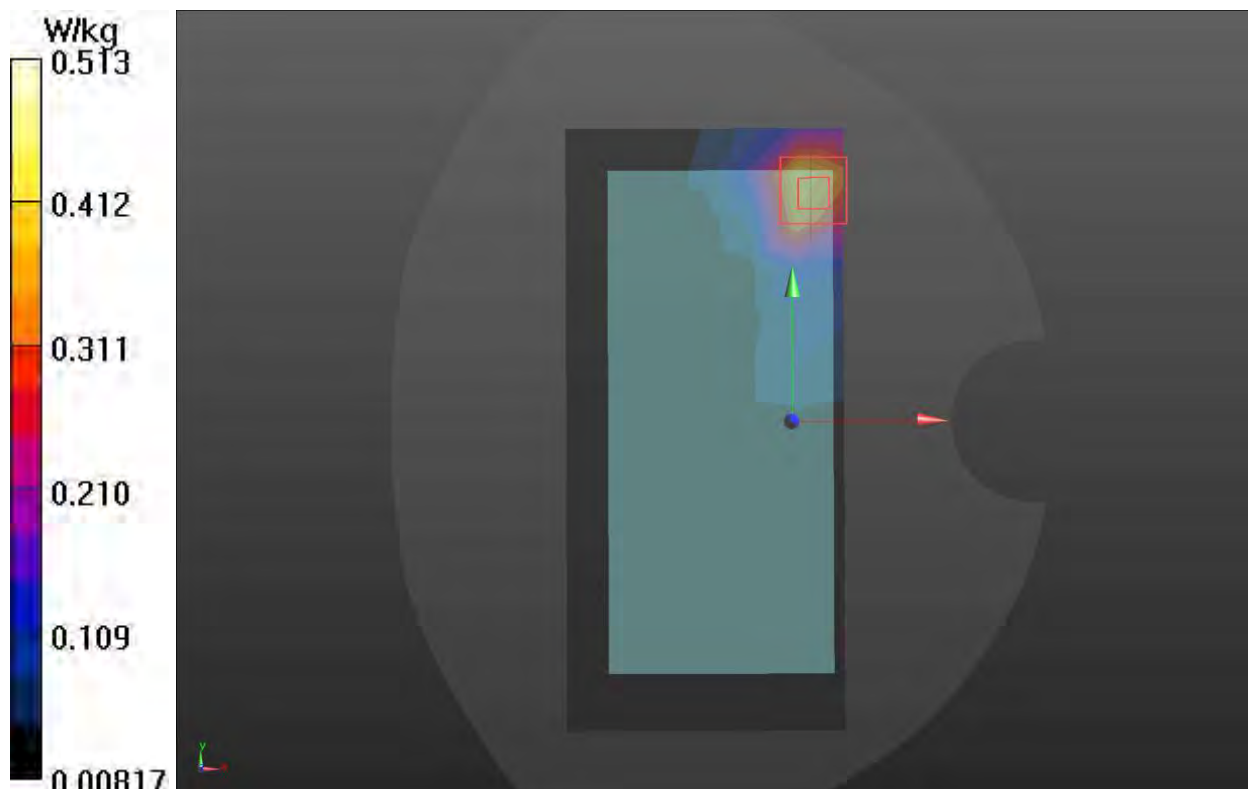
Back Side Middle/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=5mm

Reference Value = 3.082 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.194W/kg

Maximum value of SAR (measured) = 0.513 W/kg



Plot 90 802.11b Back Side Middle (Distance 15mm)

Date: 2022/5/15

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1.02

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.831 \text{ S/m}$; $\epsilon_r = 37.663$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.49, 7.49, 7.49); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (9x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.685 W/kg

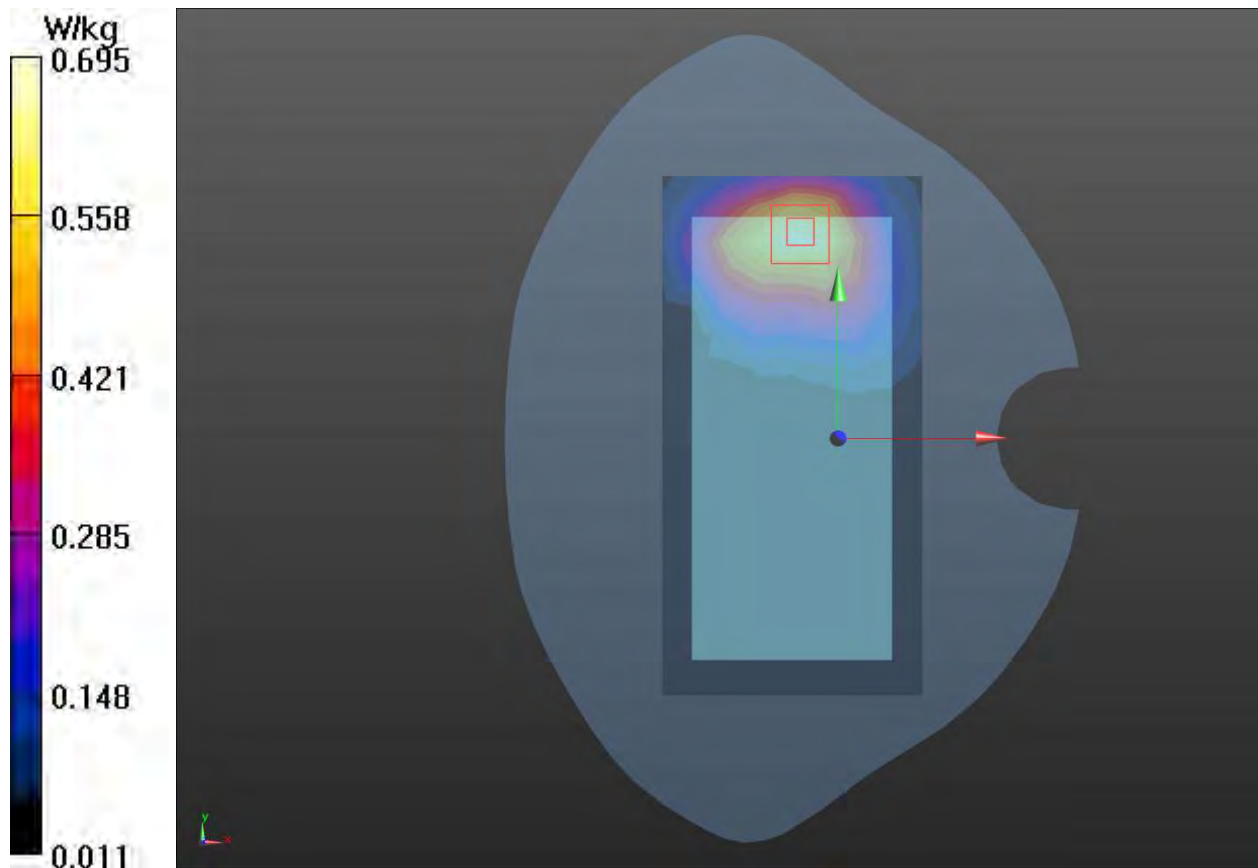
Bake Side Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.457 V/m ; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 0.837 W/kg

SAR(1 g) = 0.403 W/kg ; SAR(10 g) = 0.205 W/kg

Maximum value of SAR (measured) = 0.695 W/kg



Plot 91 802.11ac-VHT20 U-NII-1 Front Side Low (Distance 15mm)

Date: 2022/5/18

Communication System: UID 0, 802.11a (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 5.42$ S/m; $\epsilon_r = 36.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(4.94, 4.94, 4.94); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Front Side Low /Area Scan (11x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.321 W/kg

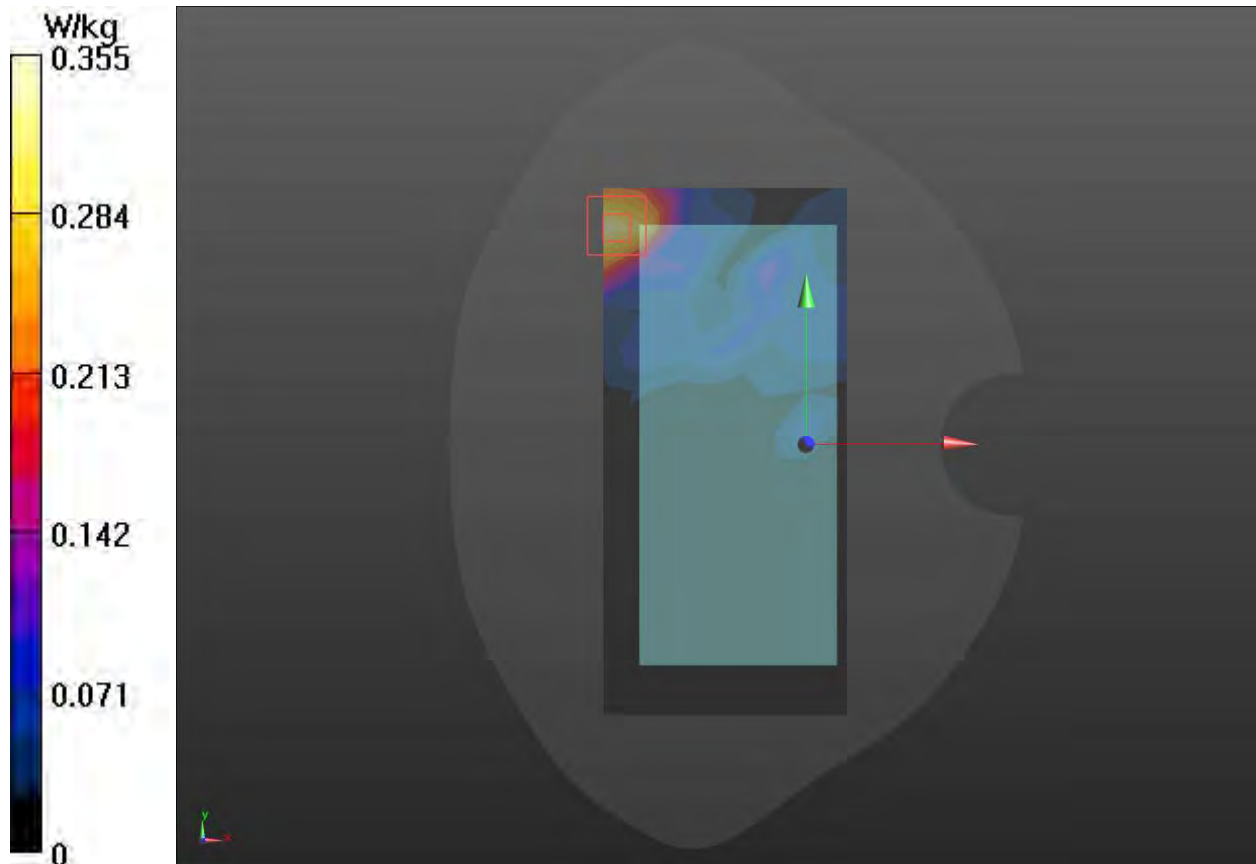
Front Side Low /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.01500 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.766 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.355 W/kg



Plot 92 GSM 850 GPRS (4Txslots) Back Side Middle (Distance 10mm)

Date: 2022/4/19

Communication System: UID 0, GPRS 4TX (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.07

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.953 \text{ S/m}$; $\epsilon_r = 39.762$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.593 W/kg

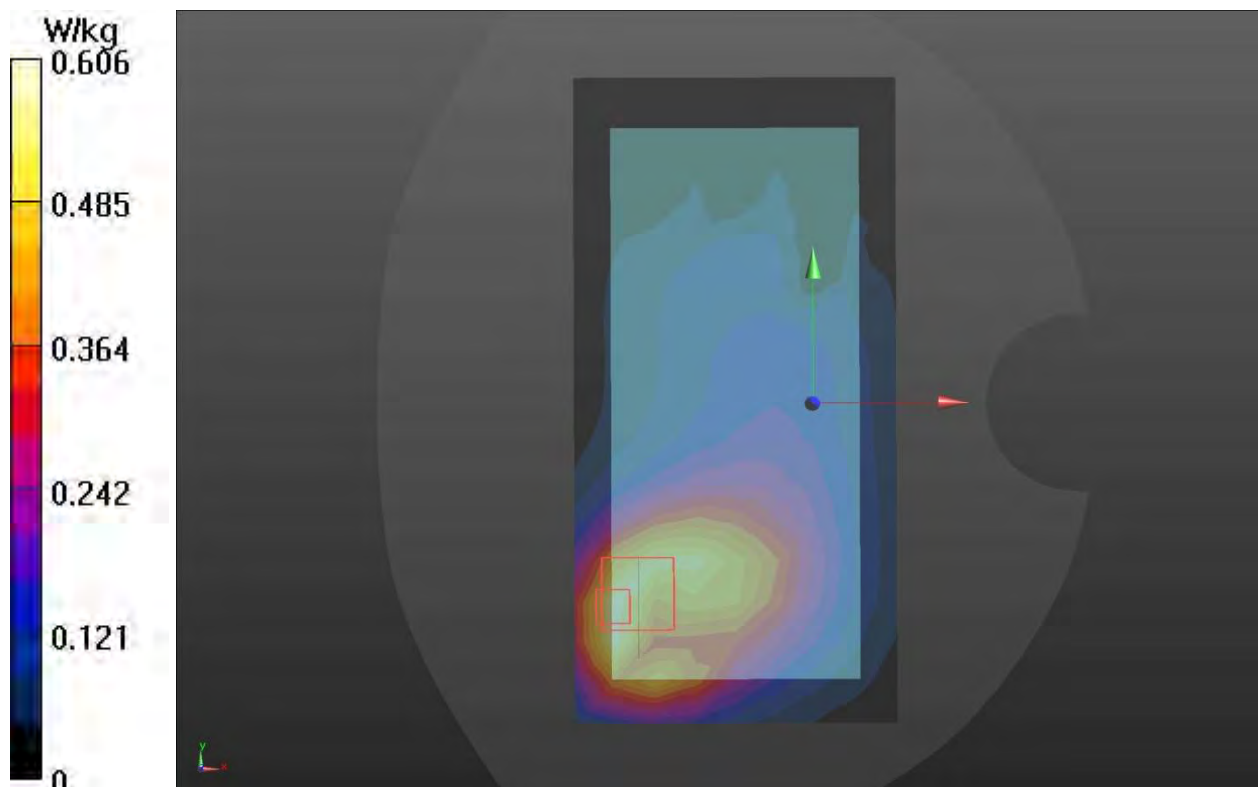
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.46 V/m ; Power Drift = 0.074dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.424 W/kg ; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 0.606 W/kg



Plot 93 GSM 1900 GPRS (4Txslots) Bottom Edge Middle (Distance 10mm)

Date: 2022/4/17

Communication System: UID 0, GPRS 4TX (0); Frequency: 1880 MHz; Duty Cycle: 1:2.07

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 38.948$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.550 W/kg

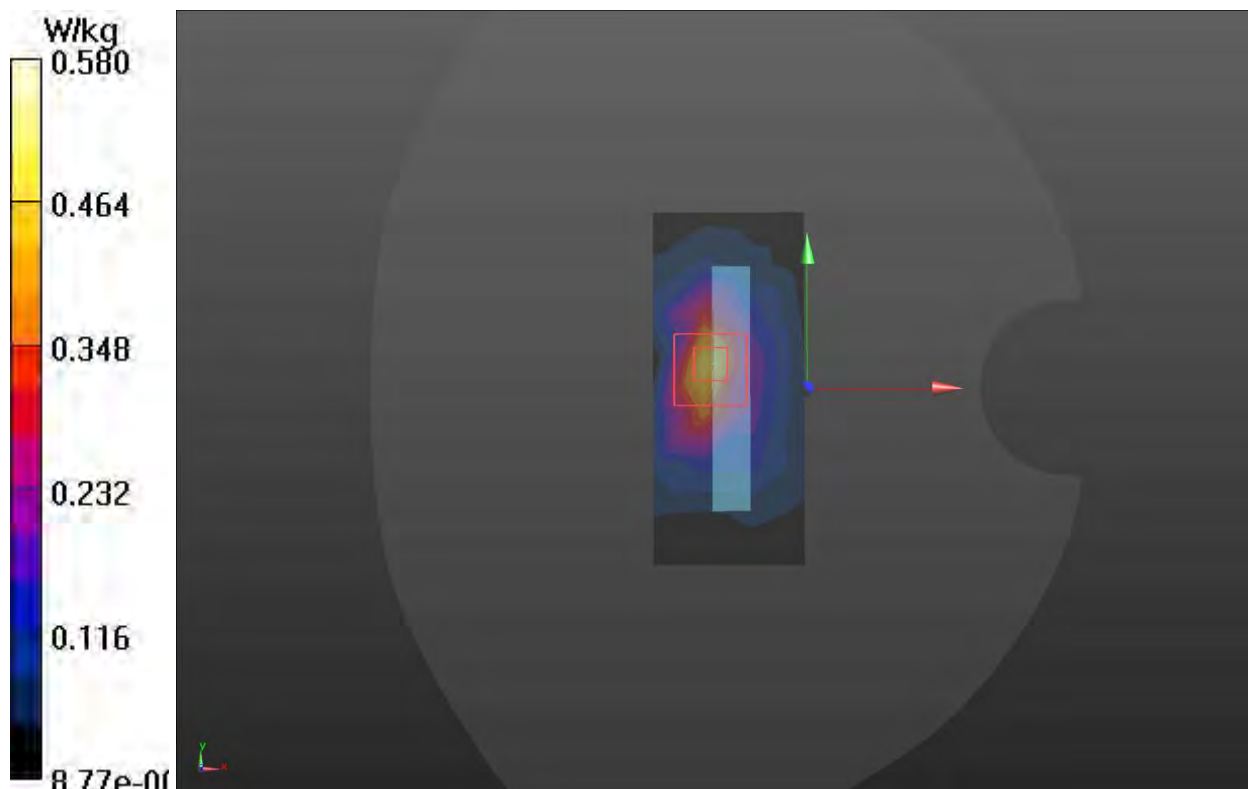
Bottom Edge Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.84 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.580 W/kg



Plot 94 UMTS Band II Bottom Edge Middle (Distance 10mm)

Date: 2022/4/25

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ S/m}$; $\epsilon_r = 38.948$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.62 W/kg

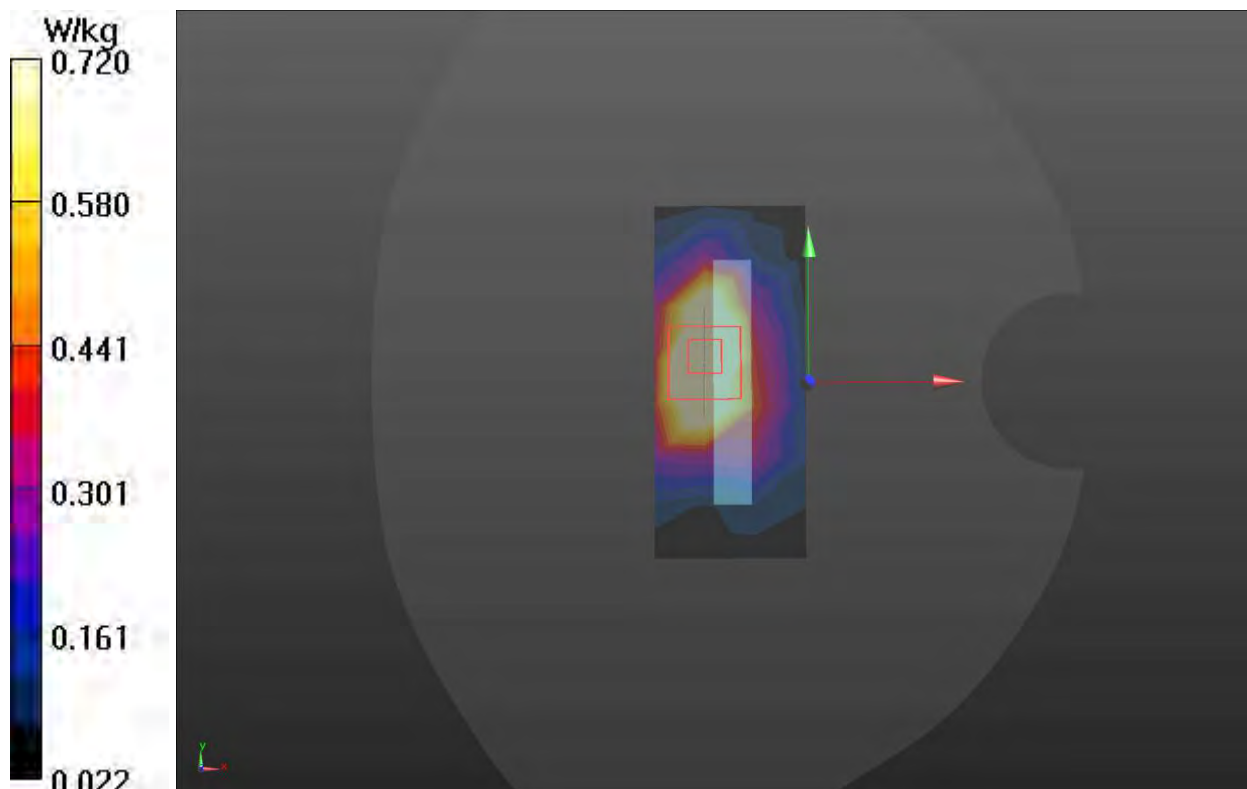
Bottom Edge Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.93 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.588 W/kg ; SAR(10 g) = 0.302 W/kg

Maximum value of SAR (measured) = 0.720 W/kg



Plot 95 UMTS Band IV Bottom Edge Middle (Distance 10mm)

Date: 2022/4/22

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.6$ MHz; $\sigma = 1.312$ S/m; $\epsilon_r = 39.365$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.690 W/kg

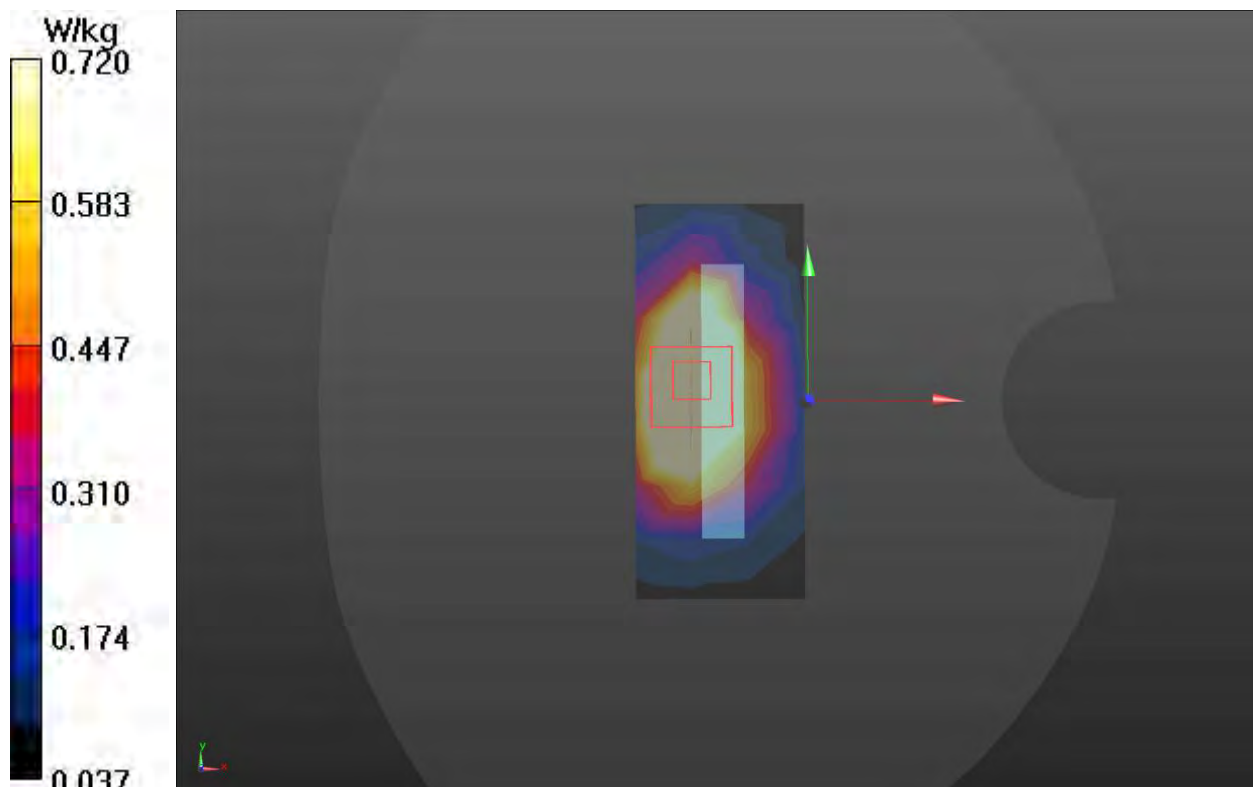
Bottom Edge Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.70 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.354 W/kg

Maximum value of SAR (measured) = 0.720W/kg



Plot 96 UMTS Band V Back Side Middle (Distance 10mm)

Date: 2022/4/20

Communication System: UID 0, WCDMA (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 39.762$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.675 W/kg

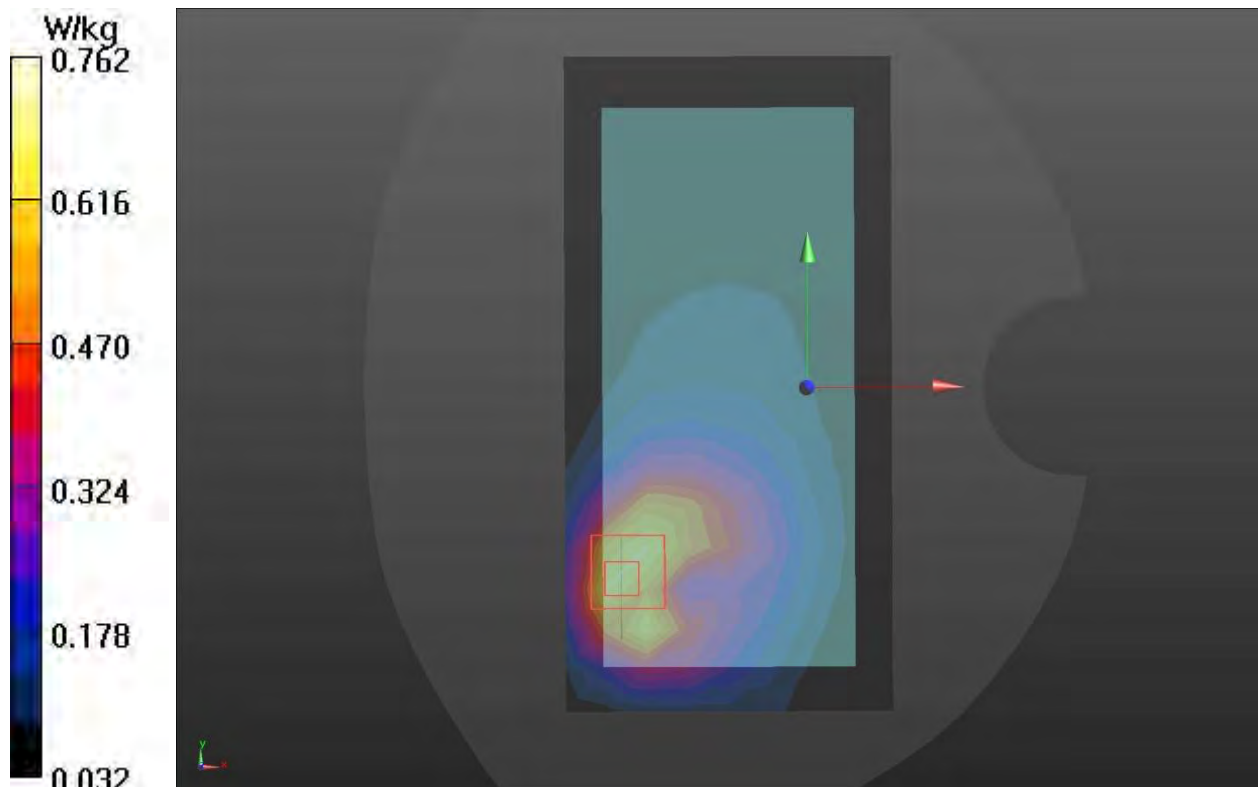
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.924 V/m; Power Drift = 0.098 dB

Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.263 W/kg

Maximum value of SAR (measured) = 0.762 W/kg



Plot 97 LTE Band 2 1RB Bottom Edge Low (Distance 10mm)

Date: 2022/5/5

Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 39.071$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Low/Area Scan (4x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.71 W/kg

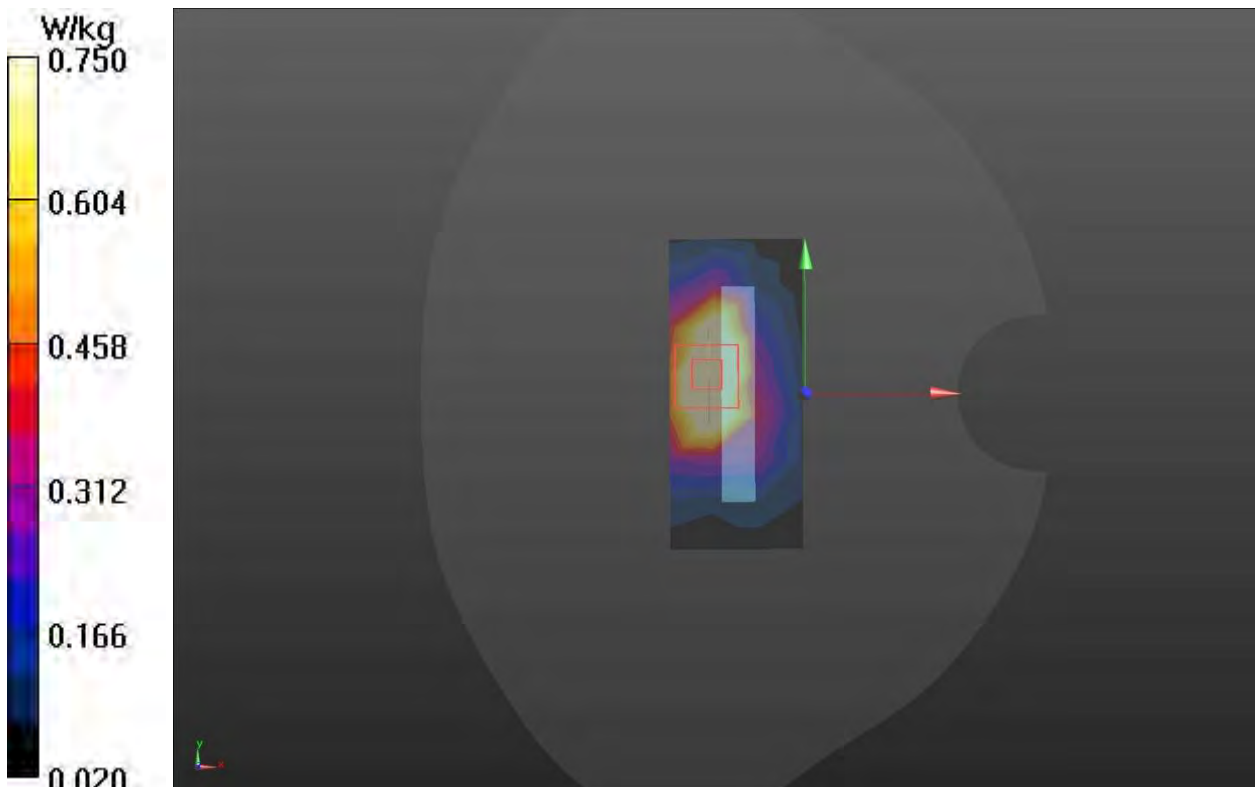
Bottom Edge Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.91 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 0.750 W/kg



Plot 98 LTE Band 4 1RB Bottom Edge High (Distance 10mm)

Date: 2022/5/11

Communication System: UID 0, LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.323 \text{ S/m}$; $\epsilon_r = 39.378$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge High/Area Scan (4x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.710 W/kg

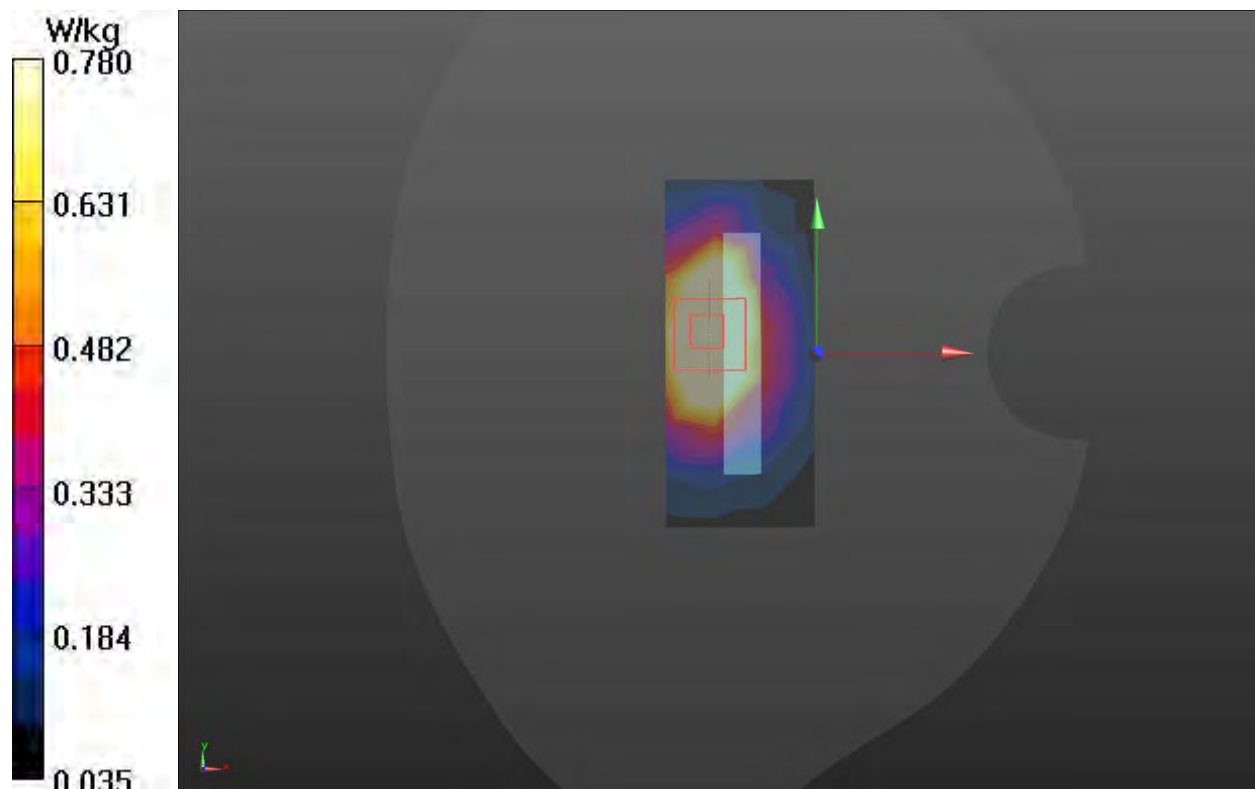
Bottom Edge High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.22 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 0.624 W/kg ; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.780 W/kg



Plot 99 LTE Band 5 1RB Back Side Low (Distance 10mm)

Date: 2022/4/20

Communication System: UID 0, LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.946 \text{ S/m}$; $\epsilon_r = 39.678$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Low/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.600 W/kg

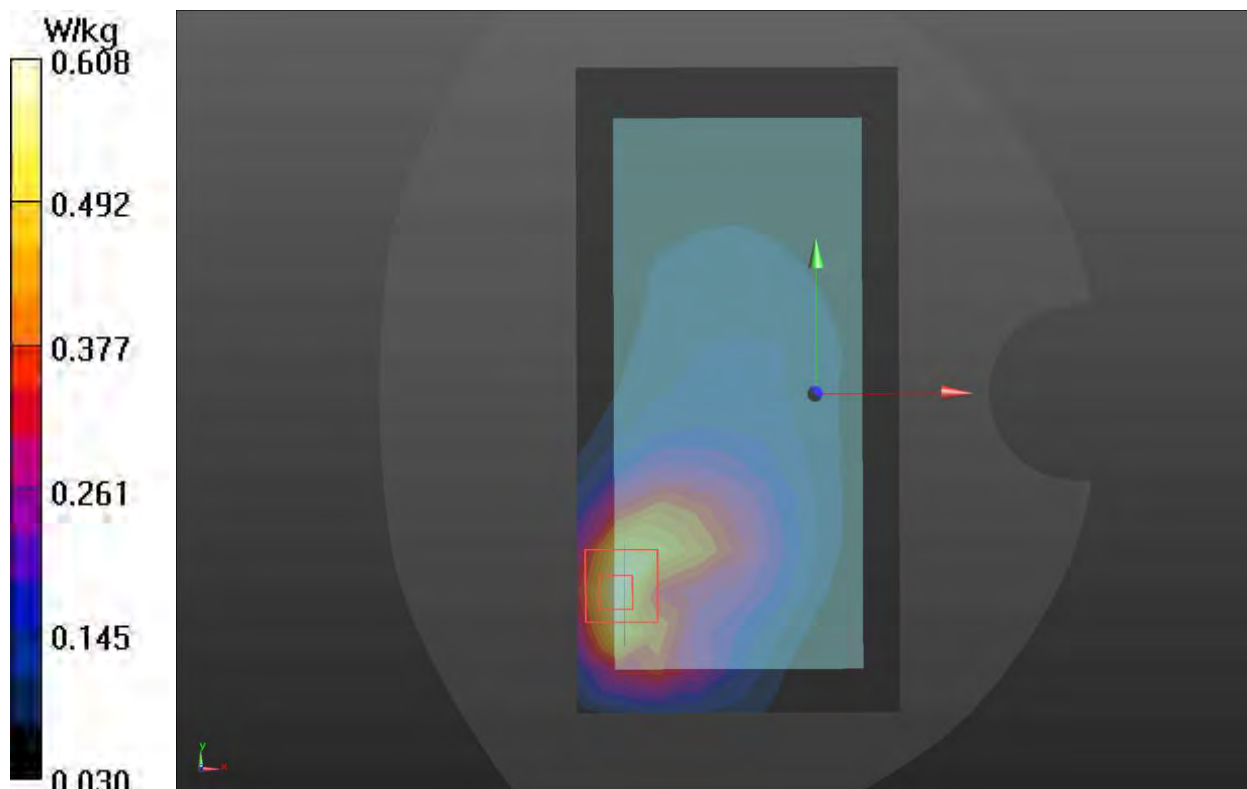
Bake Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.58 V/m ; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.416 W/kg ; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 0.608 W/kg



Plot 100 LTE Band 7 1RB Bottom Edge High (Distance 10mm)

Date: 2022/5/27

Communication System: UID 0, LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.971$ S/m; $\epsilon_r = 37.231$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge High/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.710W/kg

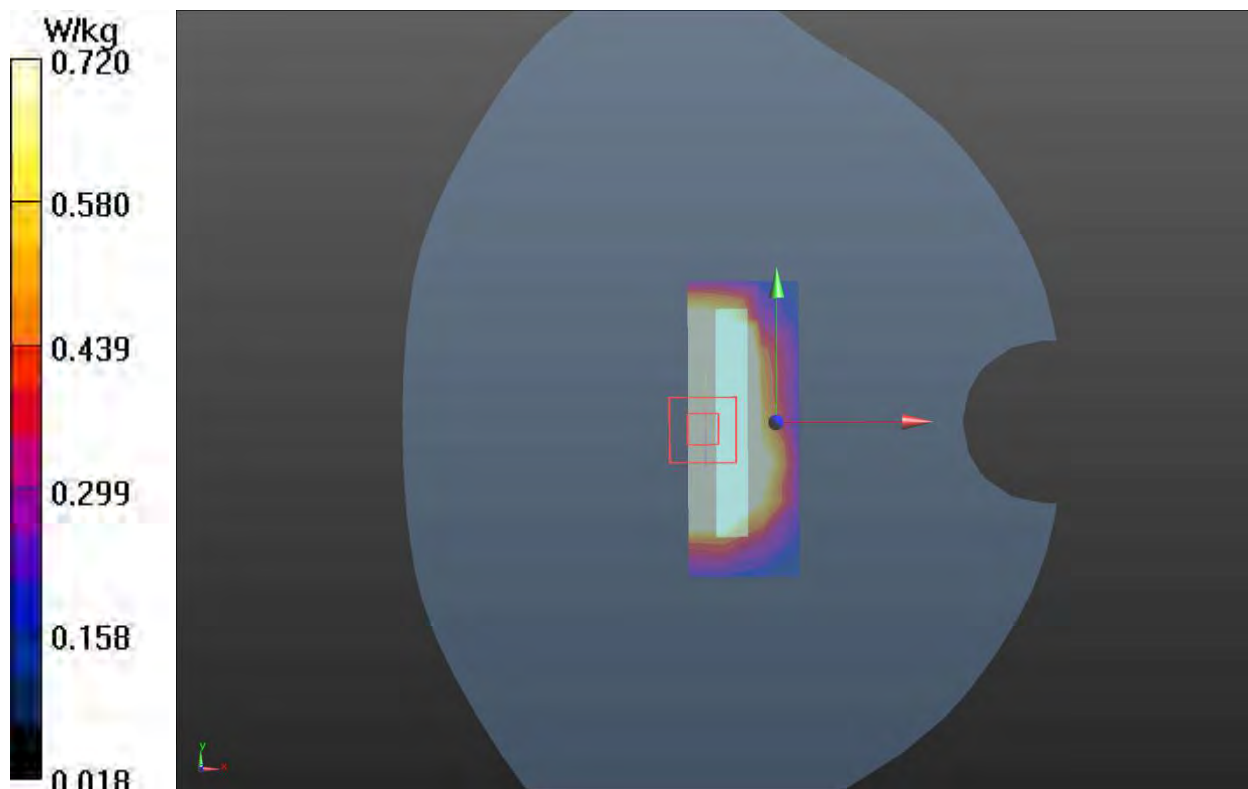
Bottom Edge High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.86 V/m; Power Drift = 0.038dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.337 W/kg

Maximum value of SAR (measured) = 0.720W/kg



Plot 101 LTE Band 12 1RB Back Side Middle (Distance 10mm)

Date: 2022/4/23

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 40.725$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.316 W/kg

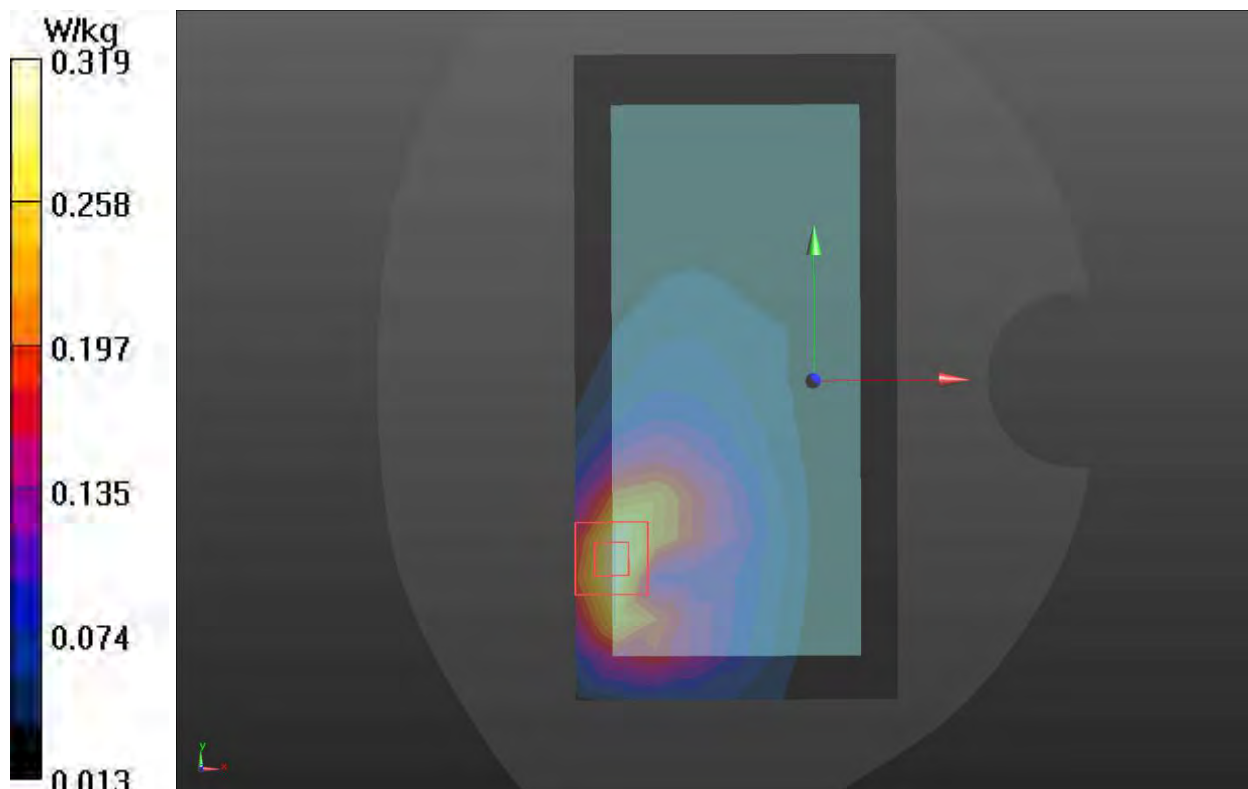
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.351 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.319 W/kg



Plot 102 LTE Band 28A 1RB Back Side Low (Distance 10mm)

Date: 2022/4/29

Communication System: UID 0, LTE (0); Frequency: 713 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 713 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 40.697$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Low/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.470 W/kg

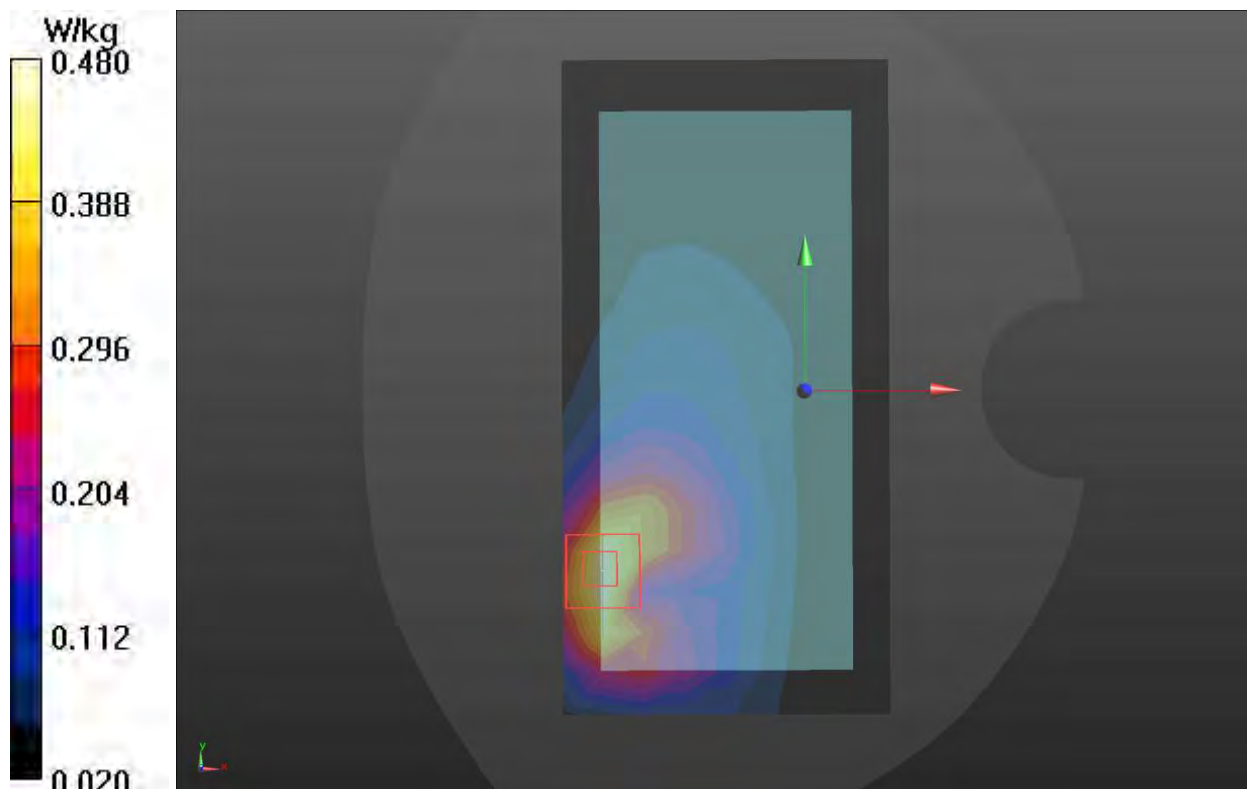
Bake Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.454 V/m ; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.604 W/kg

SAR(1 g) = 0.313 W/kg ; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.480 W/kg



Plot 103 LTE Band 28B 1RB Back Side Middle (Distance 10mm)

Date: 2022/4/19

Communication System: UID 0, LTE (0); Frequency: 728 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 728 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 40.599$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(10.27, 10.27, 10.27); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Middle/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.432 W/kg

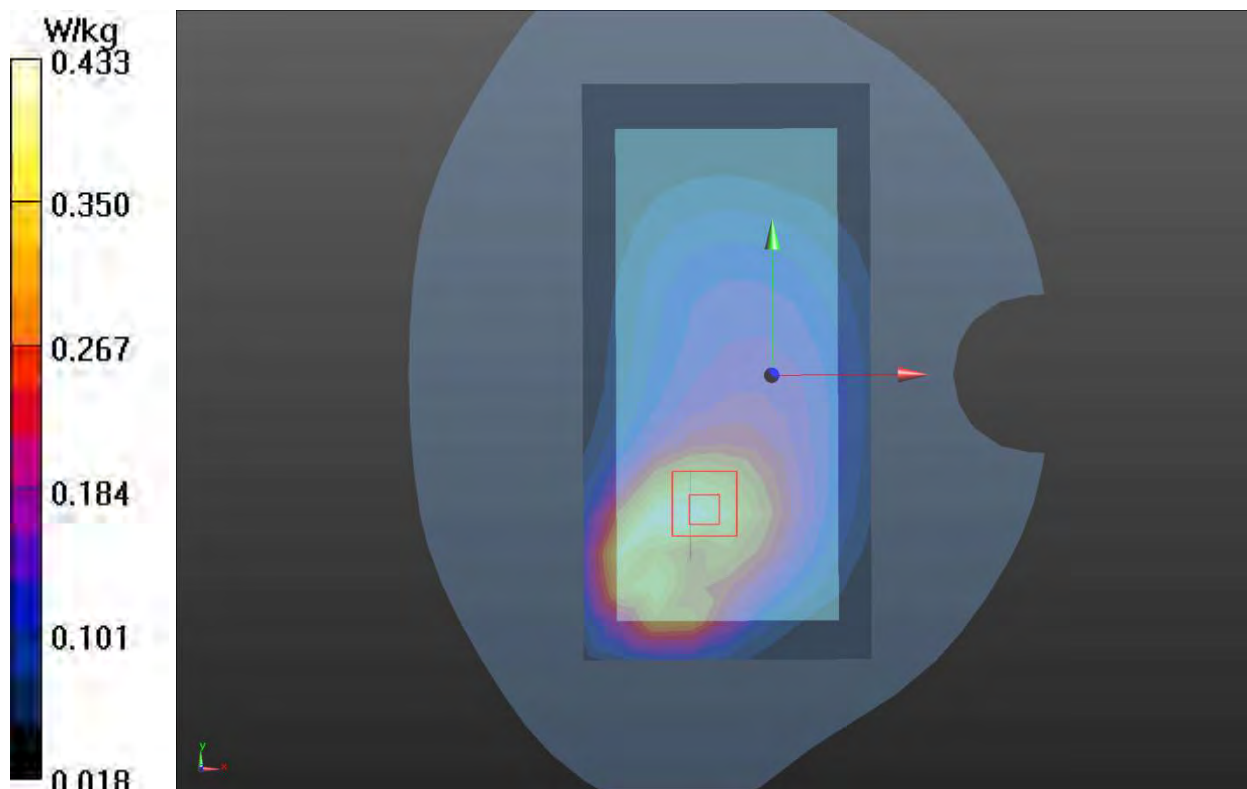
Bake Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.20 V/m ; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.317 W/kg ; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.433 W/kg



Plot 104 LTE Band 40 1RB Bottom Edge Low (Distance 10mm)

Date: 2022/6/2

Communication System: UID 0, LTE (0); Frequency: 2305 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2305$ MHz; $\sigma = 1.734$ S/m; $\epsilon_r = 37.956$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.68, 7.68, 7.68); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Low/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.10 W/kg

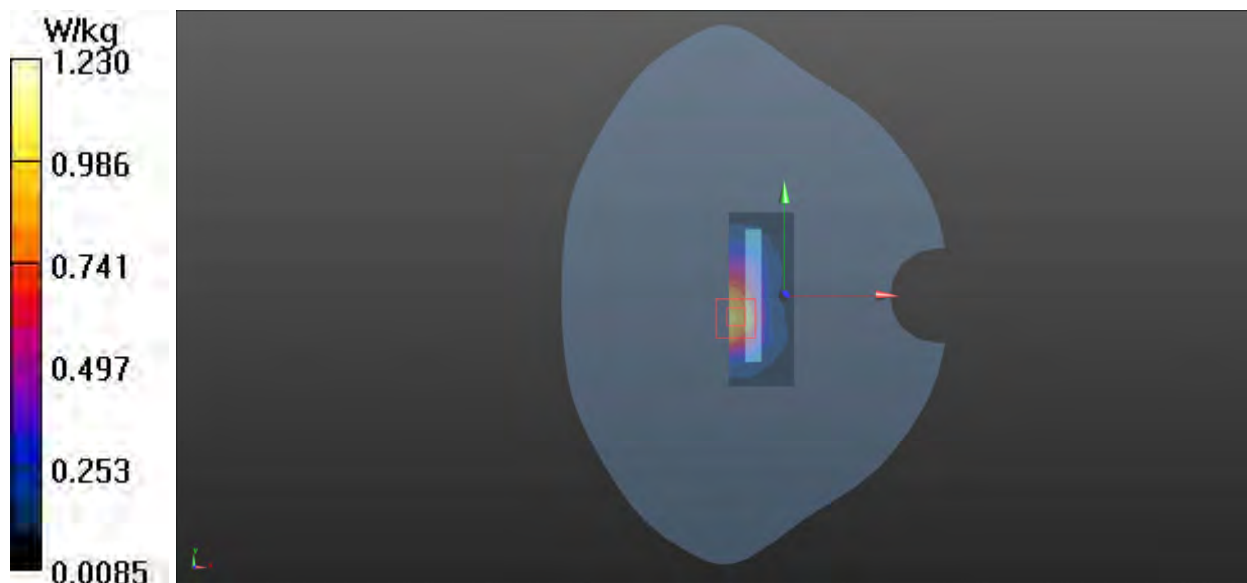
Bottom Edge Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.73 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.391 W/kg

Maximum value of SAR (measured) = 1.23 W/kg



Plot 105 LTE Band 41 50%RB Bottom Edge Middle (Distance 10mm)

Date: 2022/5/31

Communication System: UID 0, LTE (0); Frequency: 2636.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 2.054$ S/m; $\epsilon_r = 36.947$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.03 W/kg

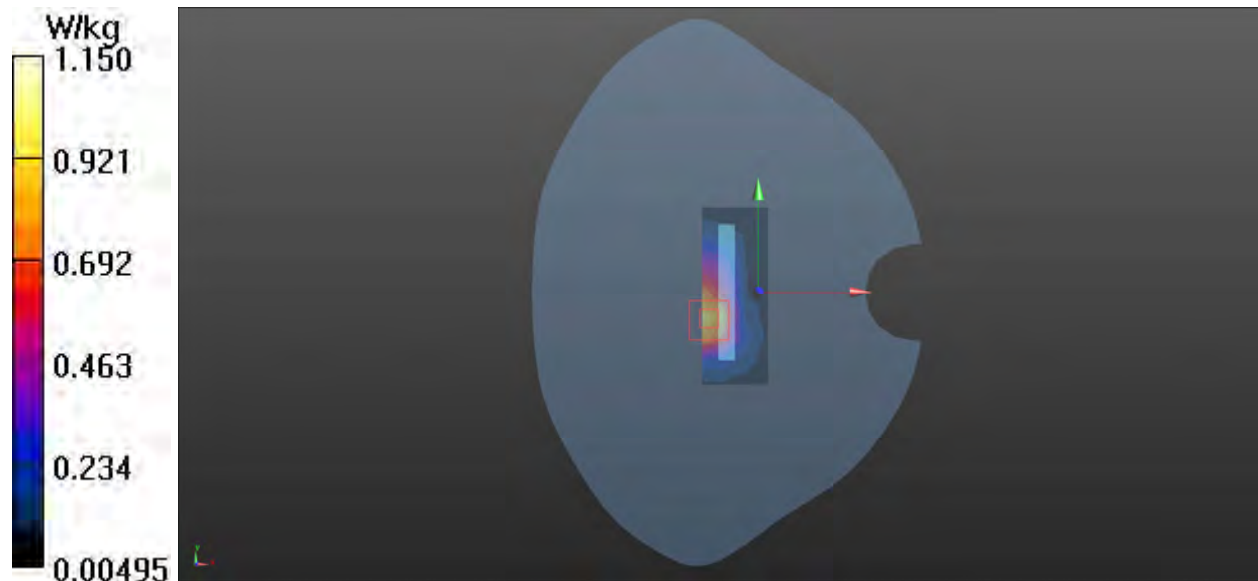
Bottom Edge 10mm/Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.94 V/m; Power Drift = 0.94 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



Plot 106 LTE Band 66 1RB Left Edge High (Distance 10mm)

Date: 2022/5/24

Communication System: UID 0, LTE (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1770$ MHz; $\sigma = 1.341$ S/m; $\epsilon_r = 39.287$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Left Edge High/Area Scan (4x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.735 W/kg

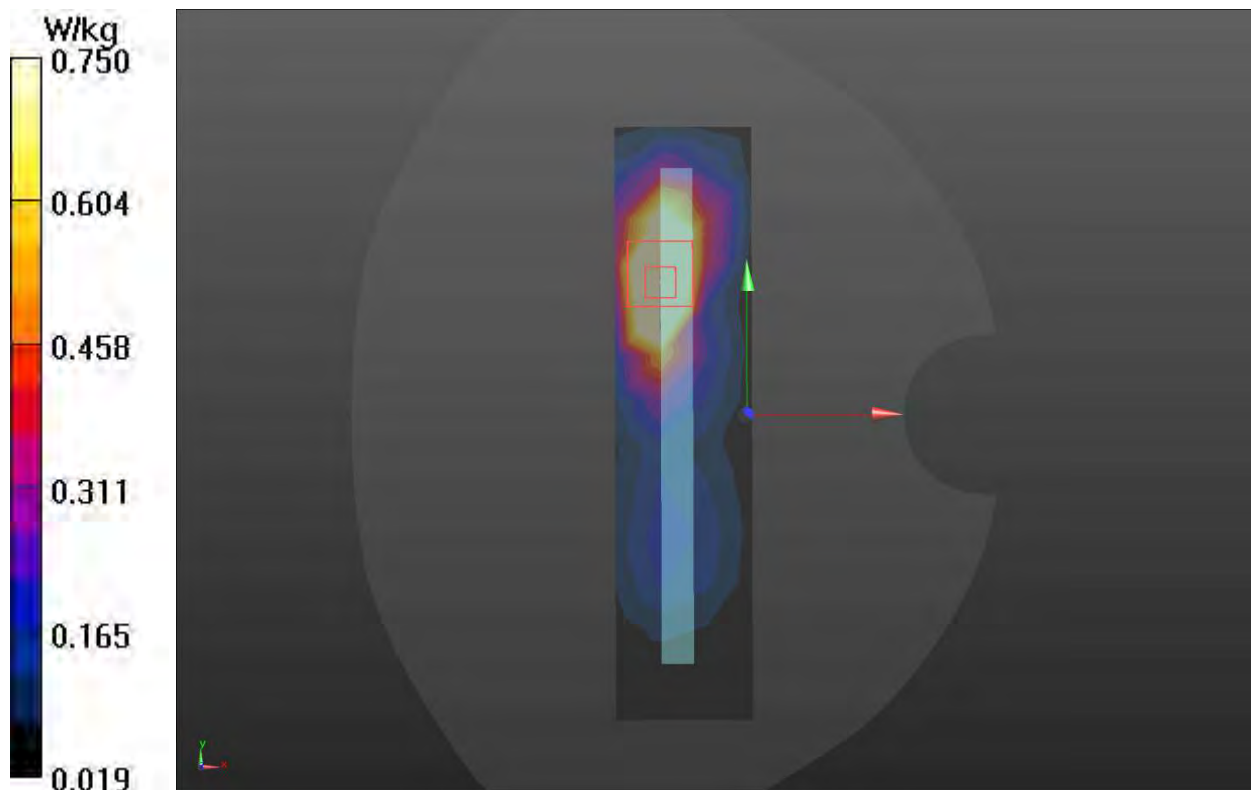
Left Edge High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.20 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 0.723W/kg; SAR(10 g) = 0.381W/kg

Maximum value of SAR (measured) = 0.750 W/kg



Plot 107 NR Band 2 1RB Bottom Edge Middle (Distance 10mm)

Date: 2022/5/22

Communication System: UID 0, 5G NR (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 38.948$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.29 W/kg

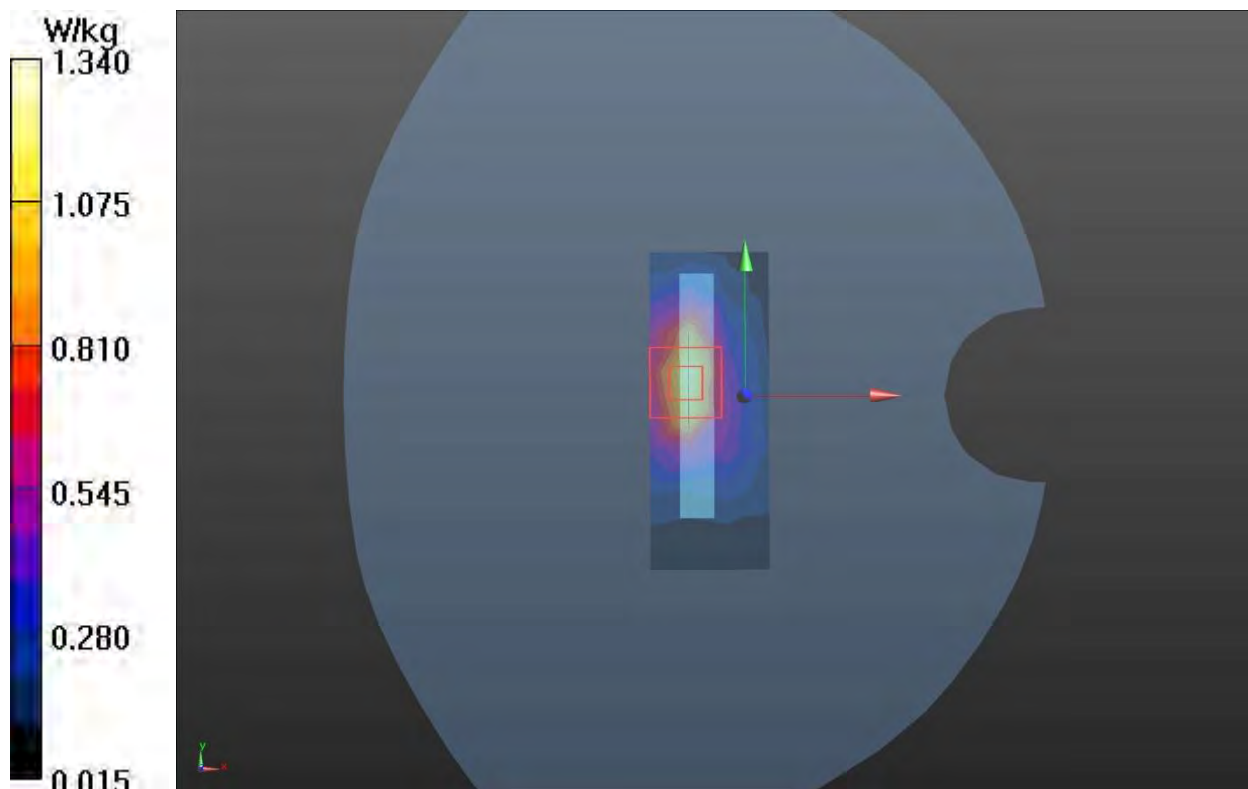
Bottom Edge Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.85 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.434 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



Plot 108 NR Band 5 50%RB Back Side Low (Distance 10mm)

Date: 2022/4/20

Communication System: UID 0, 5G NR (0); Frequency: 834 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 834 \text{ MHz}$; $\sigma = 0.953 \text{ S/m}$; $\epsilon_r = 39.907$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(9.89, 9.89, 9.89); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bake Side Low/Area Scan (8x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.752 W/kg

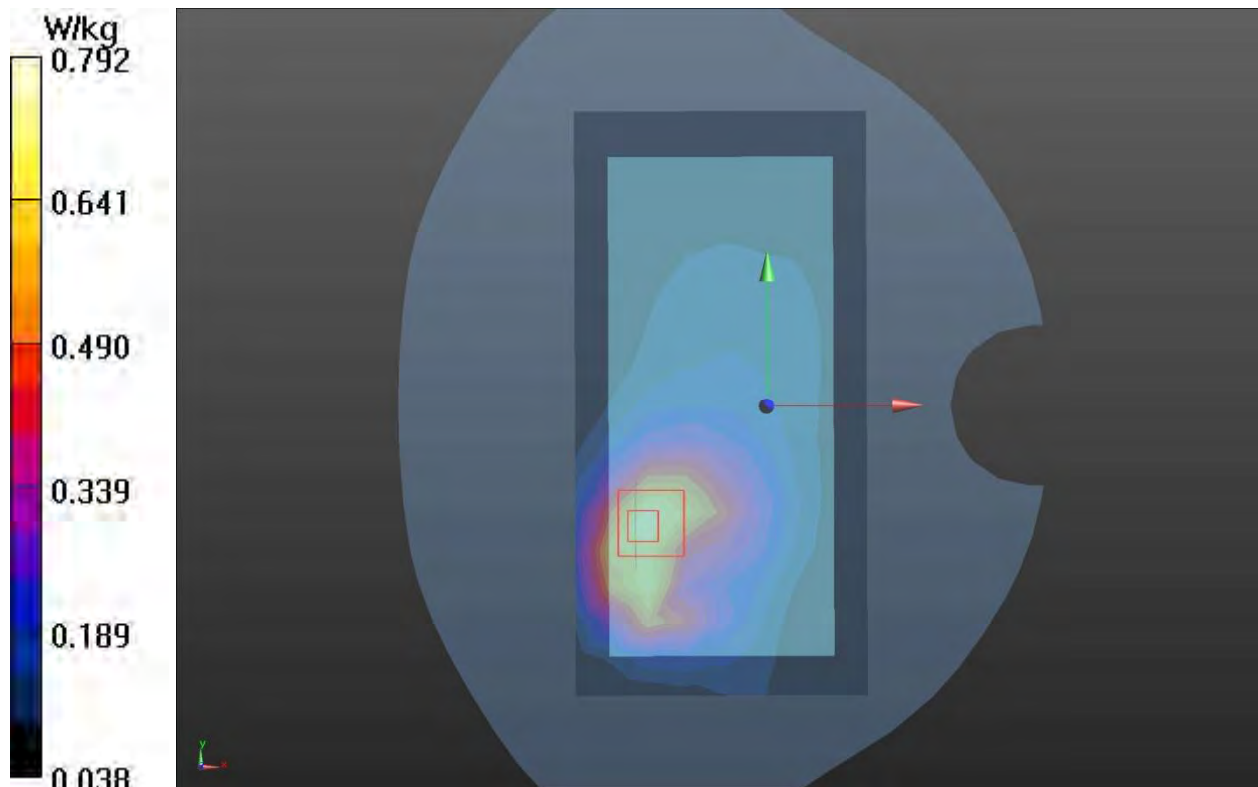
Bake Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.55 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.975 W/kg

SAR(1 g) = 0.524 W/kg ; SAR(10 g) = 0.317 W/kg

Maximum value of SAR (measured) = 0.792 W/kg



Plot 109 NR Band 7 50%RB Bottom Edge Middle (Distance 10mm)

Date: 2022/5/8

Communication System: UID 0, 5G NR (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 37.31$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.899 W/kg

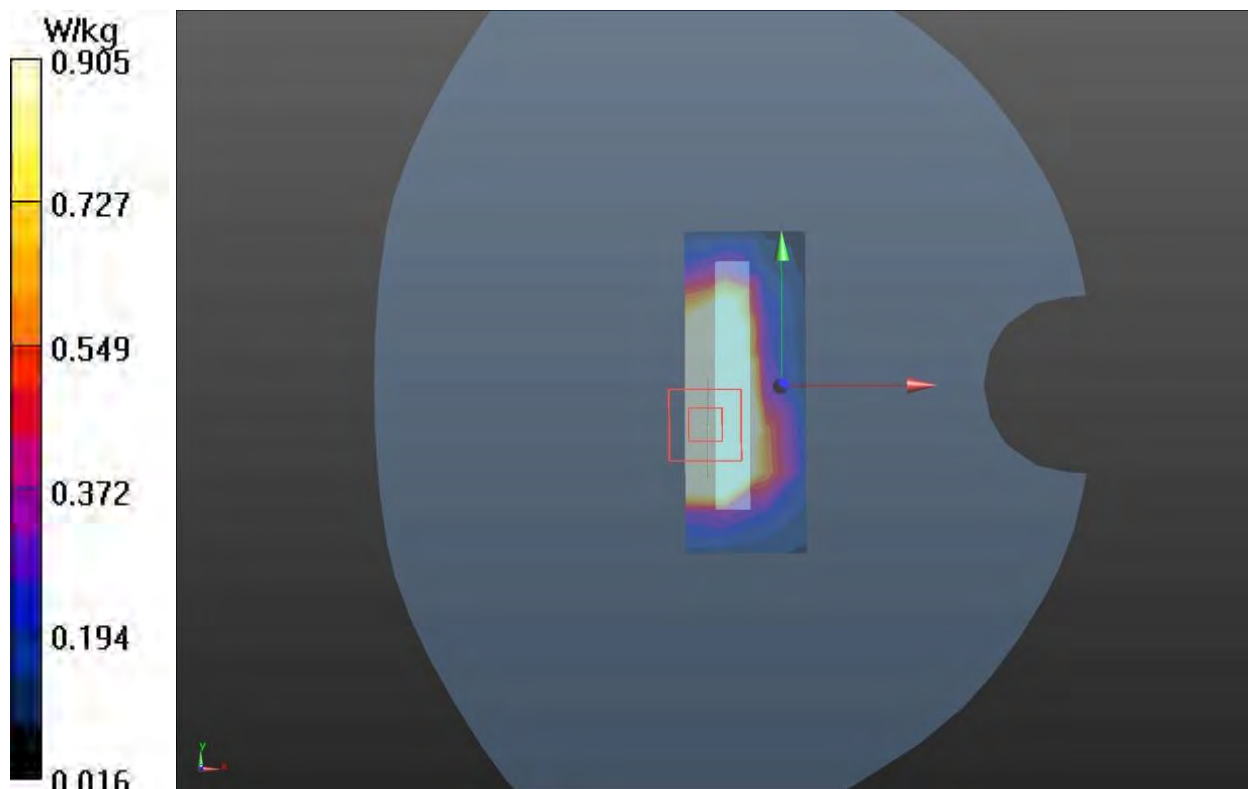
Bottom Edge Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.22 V/m; Power Drift = -0.018dB

Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.0446 W/kg

Maximum value of SAR (measured) = 0.905 W/kg



Plot 110 NR Band 41 50%RB Bottom Edge Low (Distance 10mm)

Date: 2022/5/25

Communication System: UID 0, 5G NR (0); Frequency: 2546.01 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 2546.01$ MHz; $\sigma = 1.953$ S/m; $\epsilon_r = 37.275$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Low/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.28 W/kg

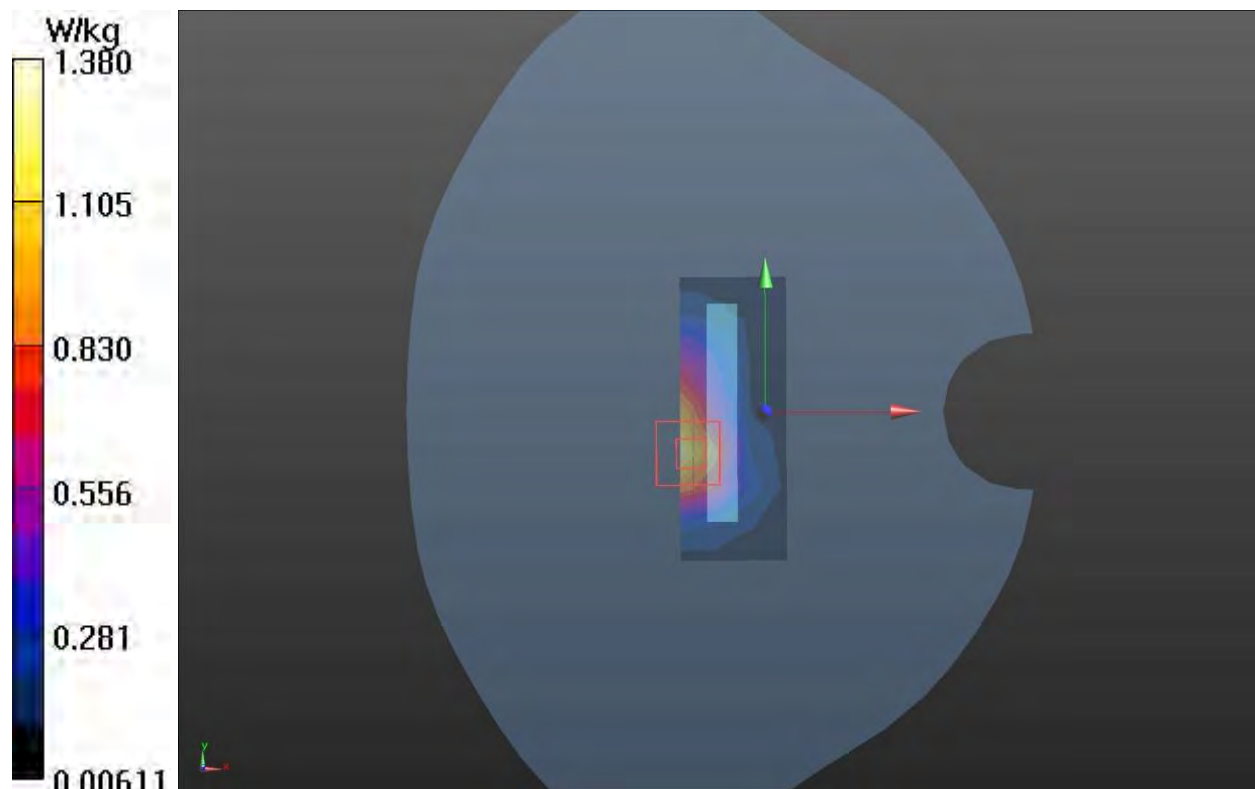
Bottom Edge Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.65 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.715 W/kg; SAR(10 g) = 0.342 W/kg

Maximum value of SAR (measured) = 1.38 W/kg



Plot 111 NR Band 66 1RB Bottom Edge Middle (Distance 10mm)

Date: 2022/5/10

Communication System: UID 0, 5G NR (0); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.323$ S/m; $\epsilon_r = 39.378$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.357 W/kg

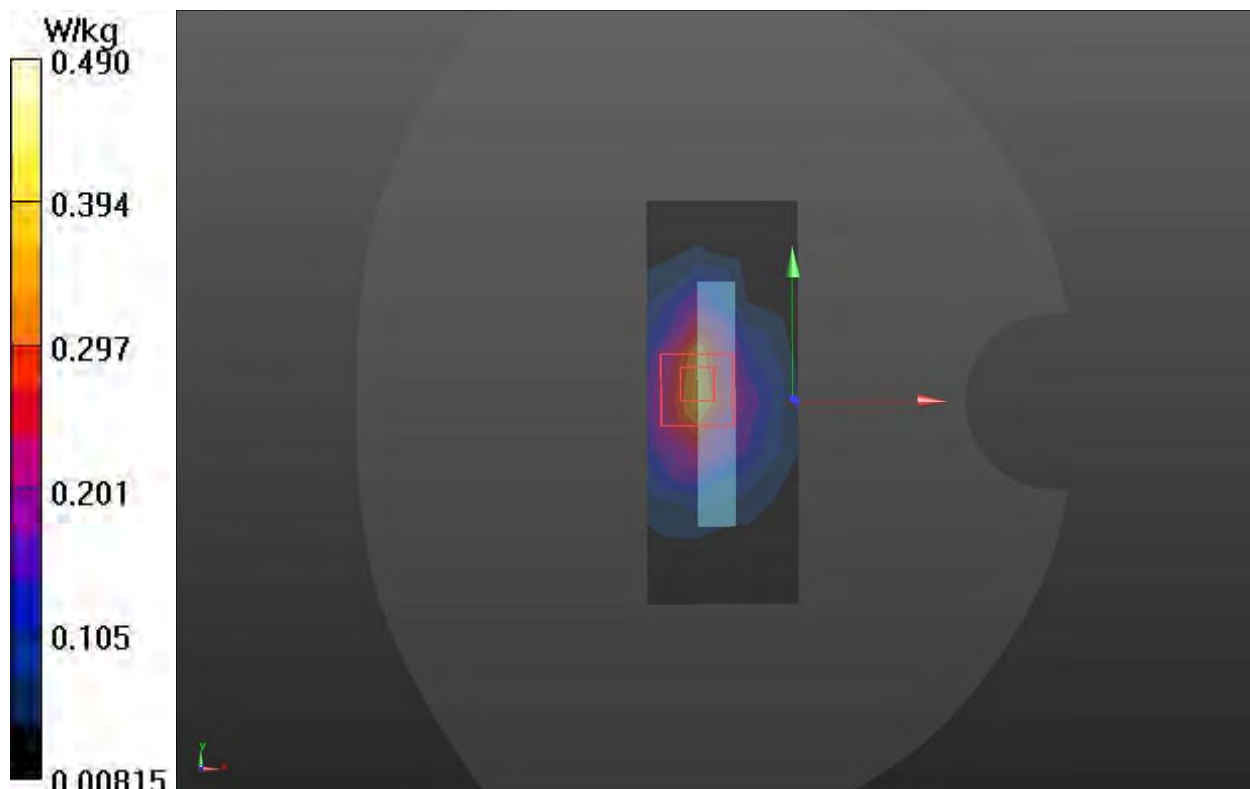
Bottom Edge Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.59 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.586 W/kg

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.244W/kg

Maximum value of SAR (measured) = 0.379 W/kg



Plot 112 NR Band 77 50%RB Back Side Middle (Distance 10mm)

Date: 2022/4/28

Communication System: UID 0, 5G NR (0); Frequency: 3500 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.807$ S/m; $\epsilon_r = 38.115$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Middle/Area Scan (11x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.586 W/kg

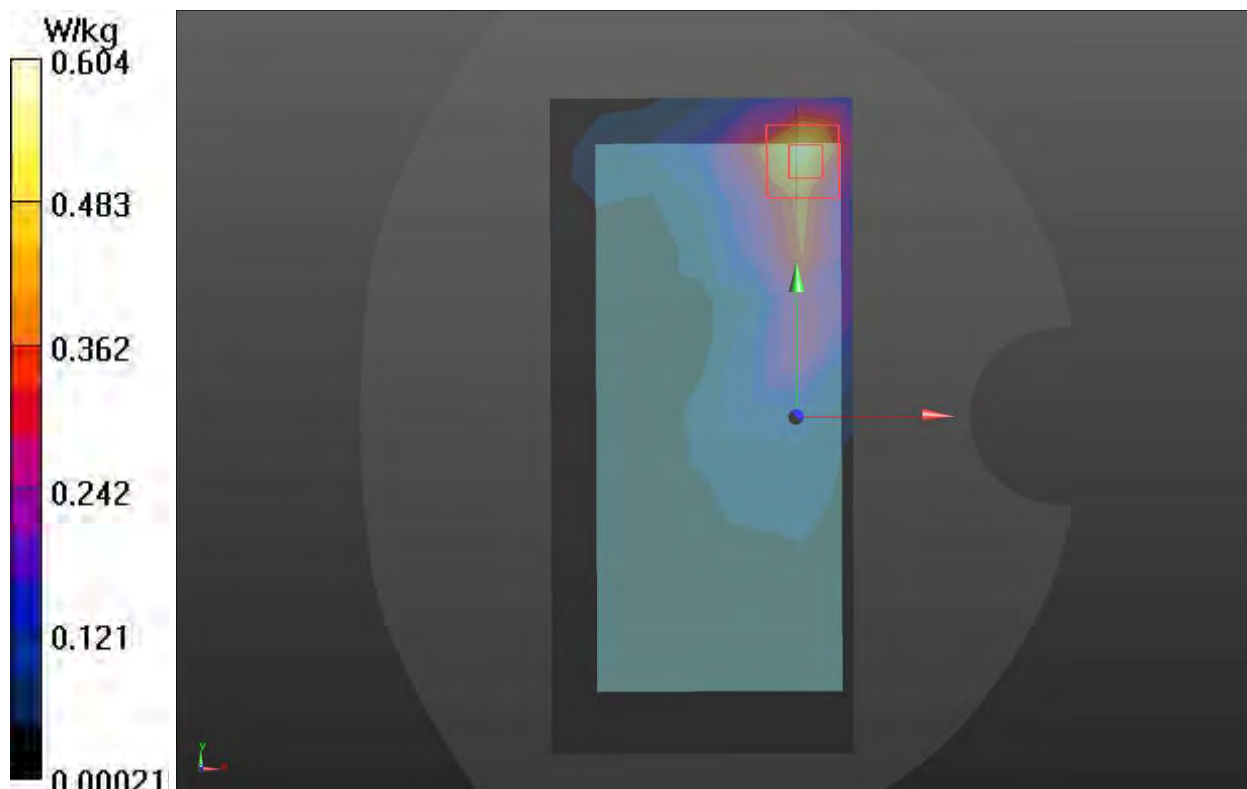
Back Side Middle/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.352 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.604 W/kg



Plot 113 NR Band 78 1RB Back Side Middle (Distance 10mm)

Date: 2022/4/27

Communication System: UID 0, 5G NR (0); Frequency: 3500 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.807$ S/m; $\epsilon_r = 38.115$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.79, 6.79, 6.79); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side Middle/Area Scan (11x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.703 W/kg

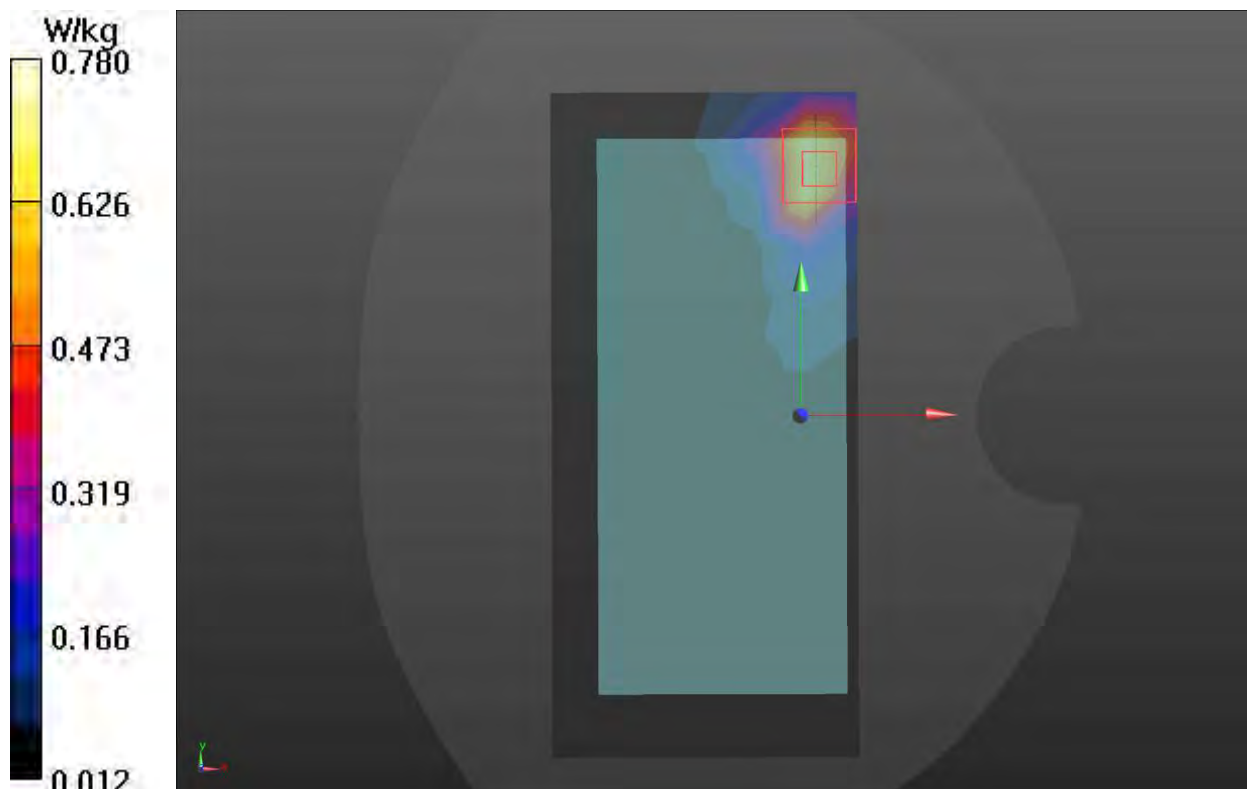
Back Side Middle/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.927 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 0.539W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 0.983 W/kg



Plot 114 802.11b Right Edge High (Distance 10mm)

Date: 2022/5/15

Communication System: UID 0, 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1.02

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.801 \text{ S/m}$; $\epsilon_r = 37.737$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.49, 7.49, 7.49); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Right Edge High/Area Scan (5x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.450 W/kg

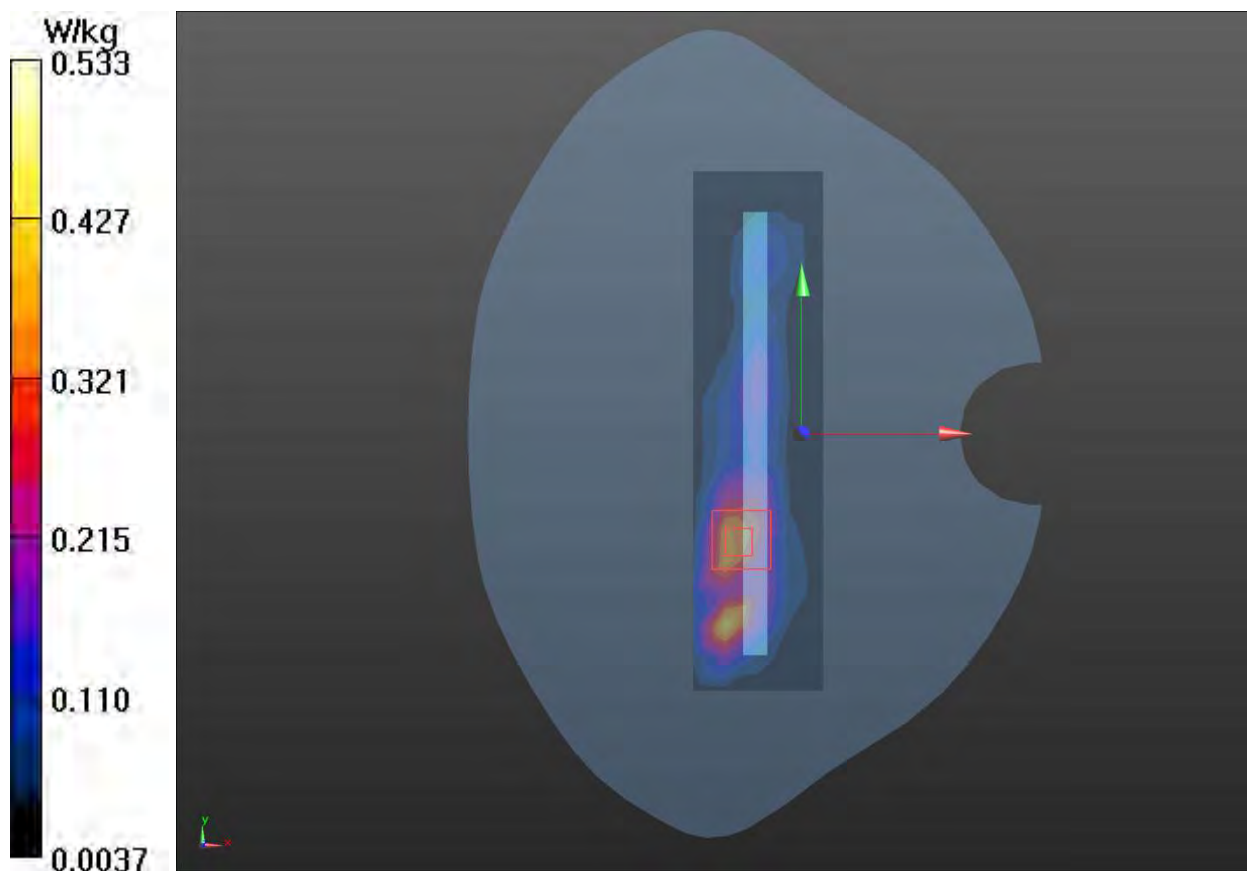
Right Edge High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.691 V/m ; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.705 W/kg

SAR(1 g) = 0.355 W/kg ; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.533 W/kg



Plot 115 802.11a U-NII-3 Top Edge Low (Distance 10mm)

Date: 2022/5/16

Communication System: UID 0, 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.42 \text{ S/m}$; $\epsilon_r = 36.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(4.94, 4.94, 4.94); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Top Edge Low/Area Scan (6x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.451 W/kg

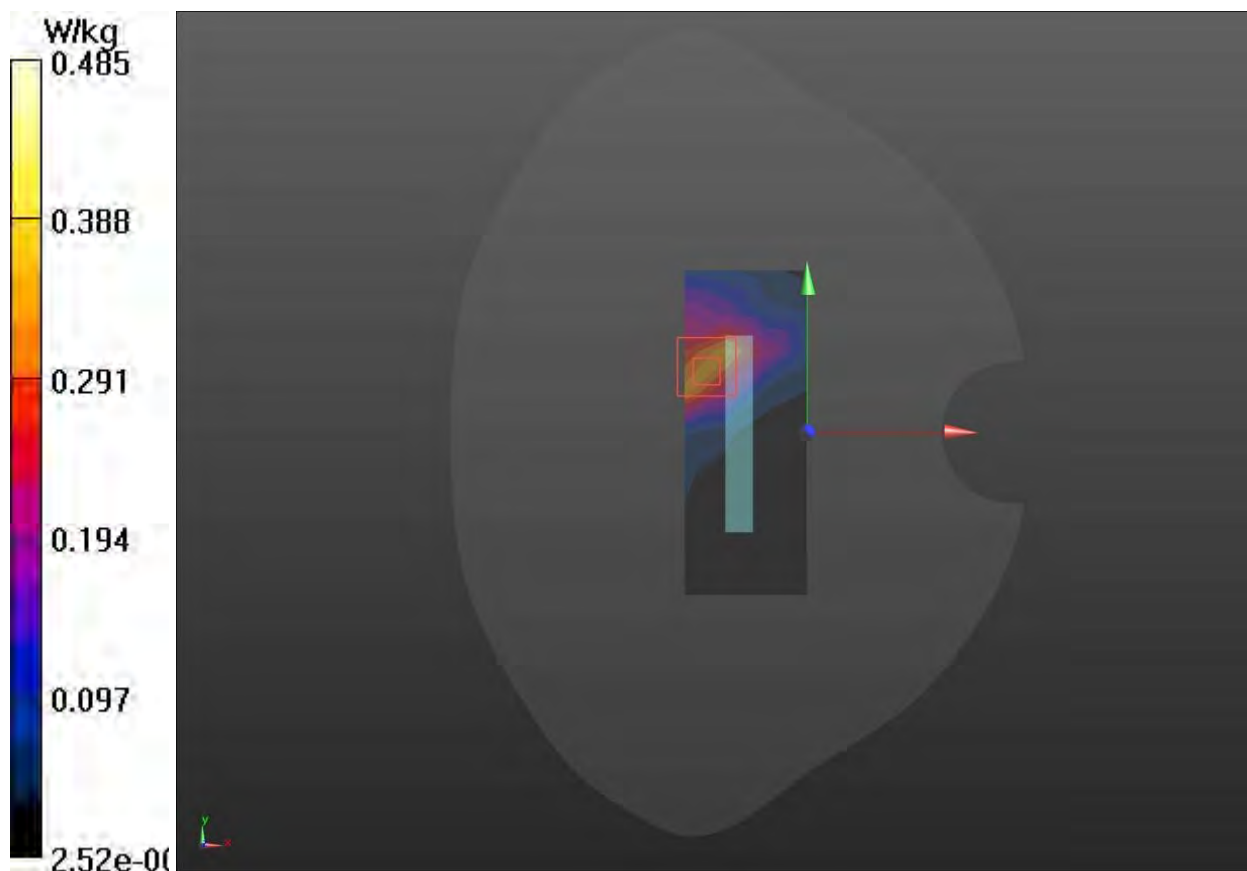
Top Edge Low/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.676 V/m ; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.437 W/kg ; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.485 W/kg



Plot 116 Bluetooth Top Edge Middle (Distance 10mm)

Date: 2022/5/15

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.30

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 37.585$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.49, 7.49, 7.49); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Top Edge Middle/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.110 W/kg

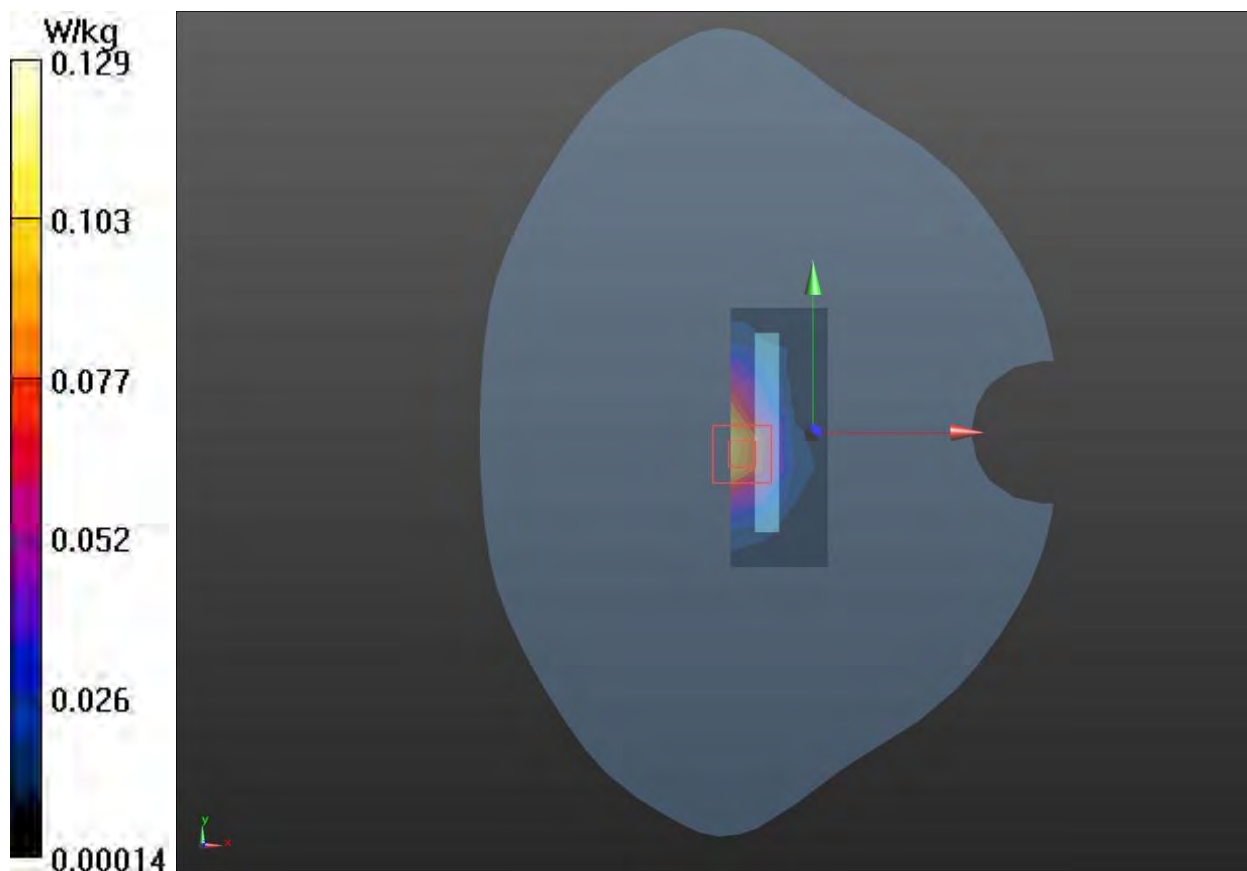
Top Edge Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.571 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.129 W/kg



Plot 117 UMTS Band II Bottom Edge High (Distance 0mm)

Date: 2022/4/25

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 38.828$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge High/Area Scan (4x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.23 W/kg

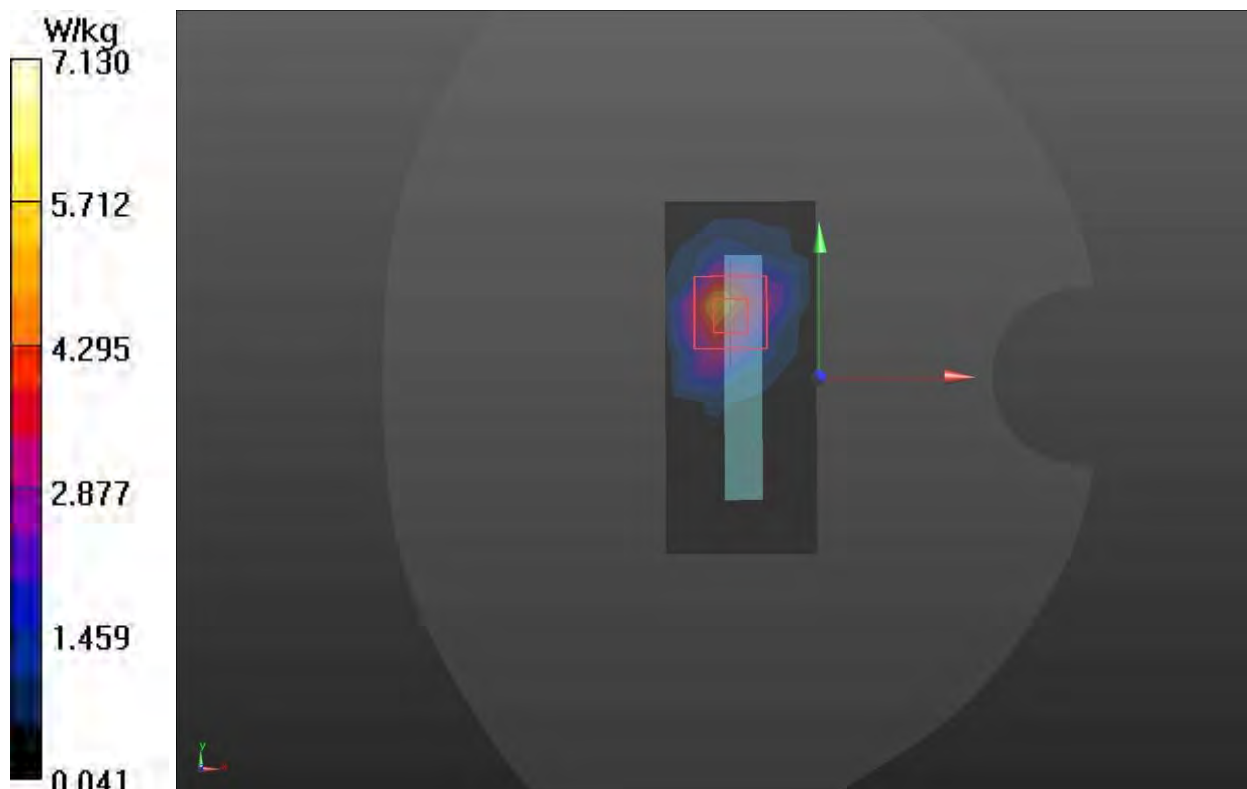
Bottom Edge High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.61 V/m; Power Drift = 0.01dB

Peak SAR (extrapolated) = 14.8 W/kg

SAR(1 g) = 6.29 W/kg; SAR(10 g) = 2.62 W/kg

Maximum value of SAR (measured) = 7.13 W/kg



Plot 118 UMTS Band IV Bottom Edge Middle (Distance 0mm)

Date: 2022/4/22

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.6$ MHz; $\sigma = 1.312$ S/m; $\epsilon_r = 39.365$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.58 W/kg

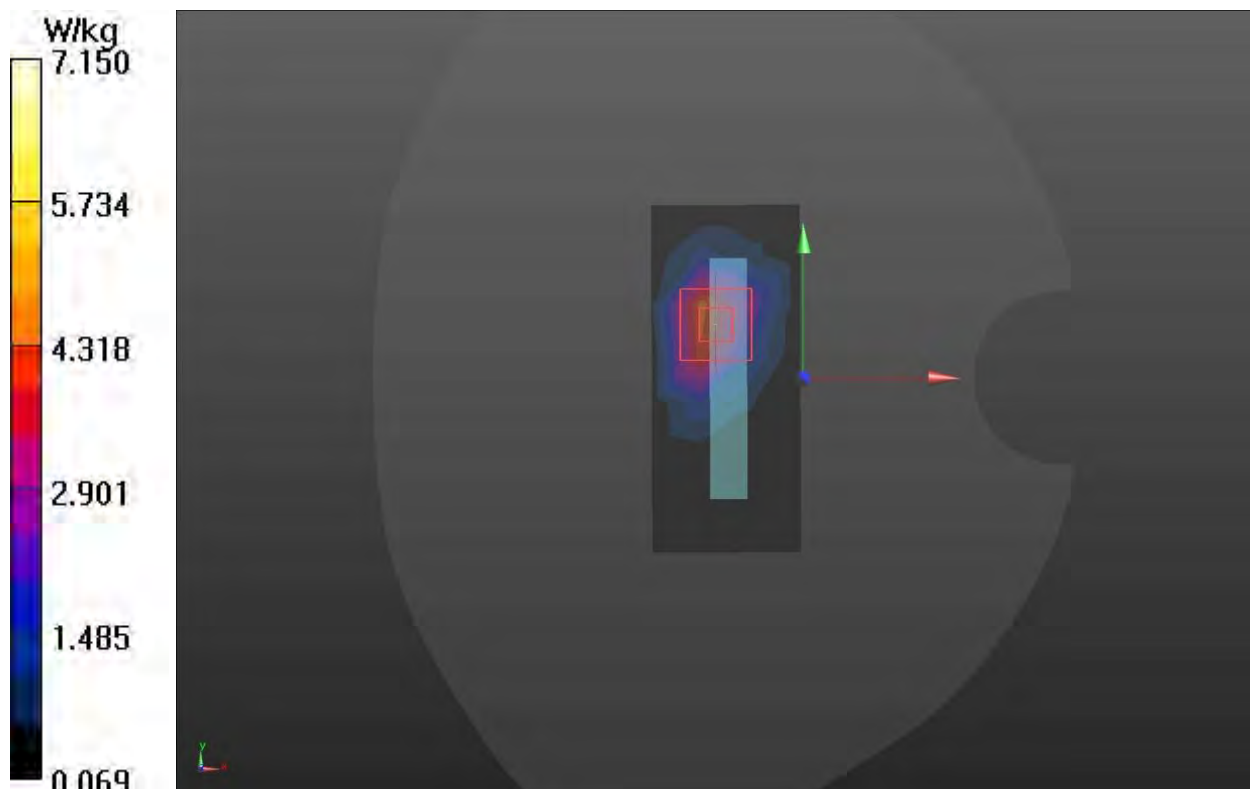
Bottom Edge Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.67 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 14.1 W/kg

SAR(1 g) = 5.96 W/kg; SAR(10 g) = 2.5 W/kg

Maximum value of SAR (measured) = 7.15 W/kg



Plot 119 LTE Band 2 1RB Bottom Edge Low (Distance 0mm)

Date: 2022/5/5

Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 39.071$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.20, 8.20, 8.20); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Low/Area Scan (4x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 6.74 W/kg

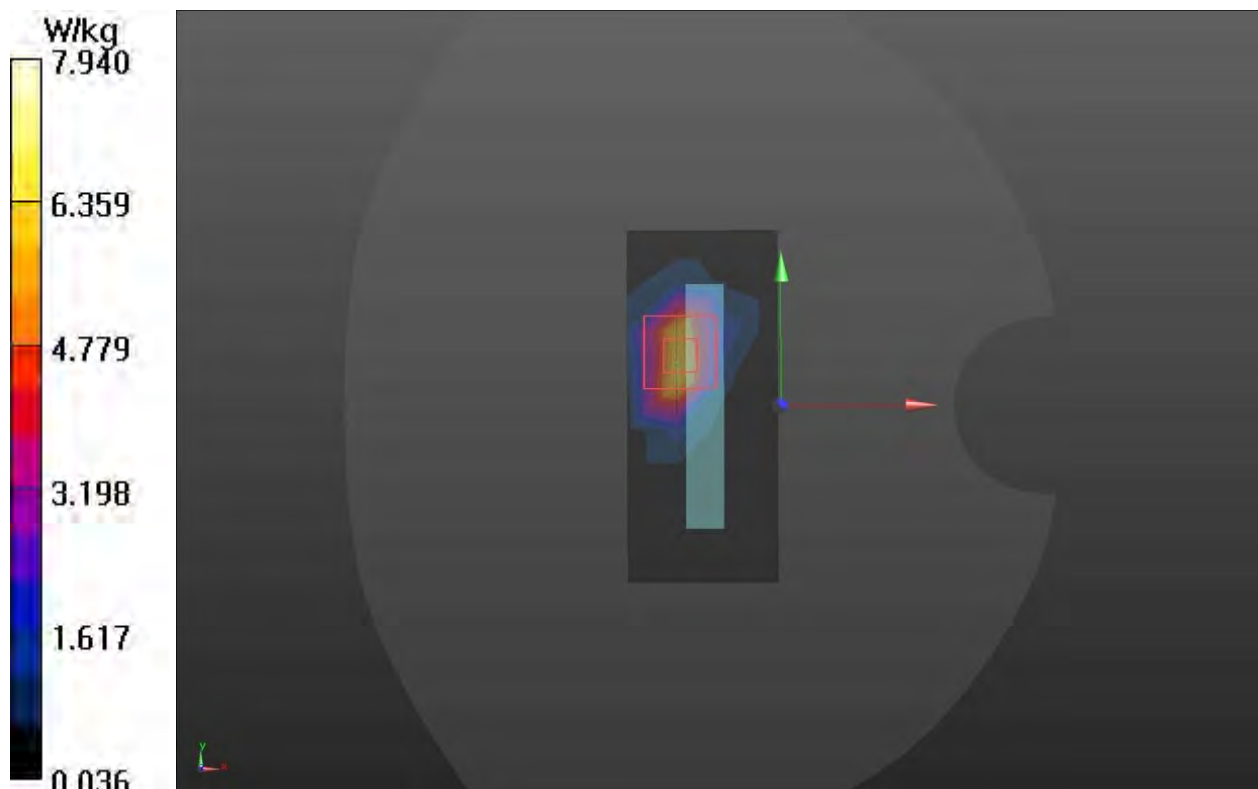
Bottom Edge Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.37 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 6.71 W/kg; SAR(10 g) = 2.74 W/kg

Maximum value of SAR (measured) = 7.94 W/kg



Plot 120 LTE Band 4 1RB Bottom Edge Low (Distance 0mm)

Date: 2022/5/11

Communication System: UID 0, LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.303$ S/m; $\epsilon_r = 39.467$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Low/Area Scan (4x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 6.46 W/kg

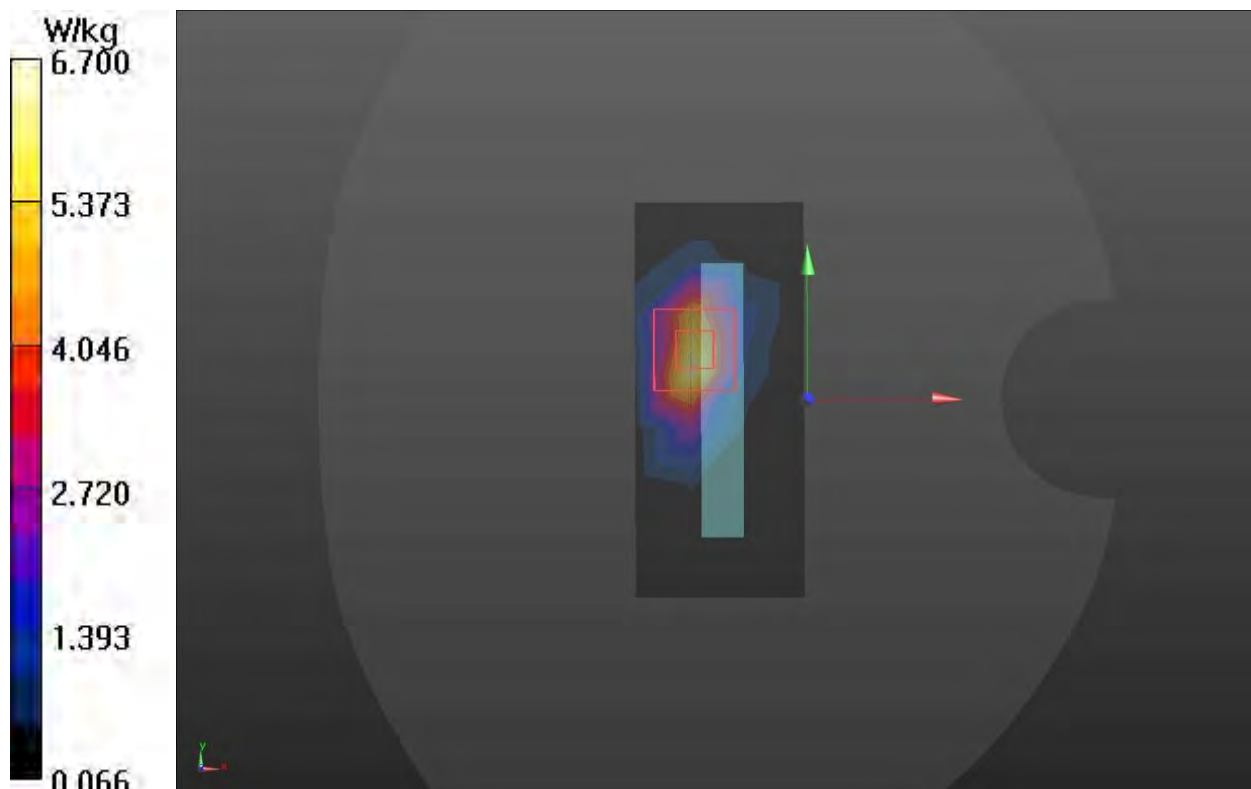
Bottom Edge Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.17 V/m; Power Drift = 0.047dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 6.01 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 6.70 W/kg



Plot 121 LTE Band 7 1RB Bottom Edge High (Distance 0mm)

Date: 2022/5/27

Communication System: UID 0, LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.971$ S/m; $\epsilon_r = 37.231$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge High/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.02 W/kg

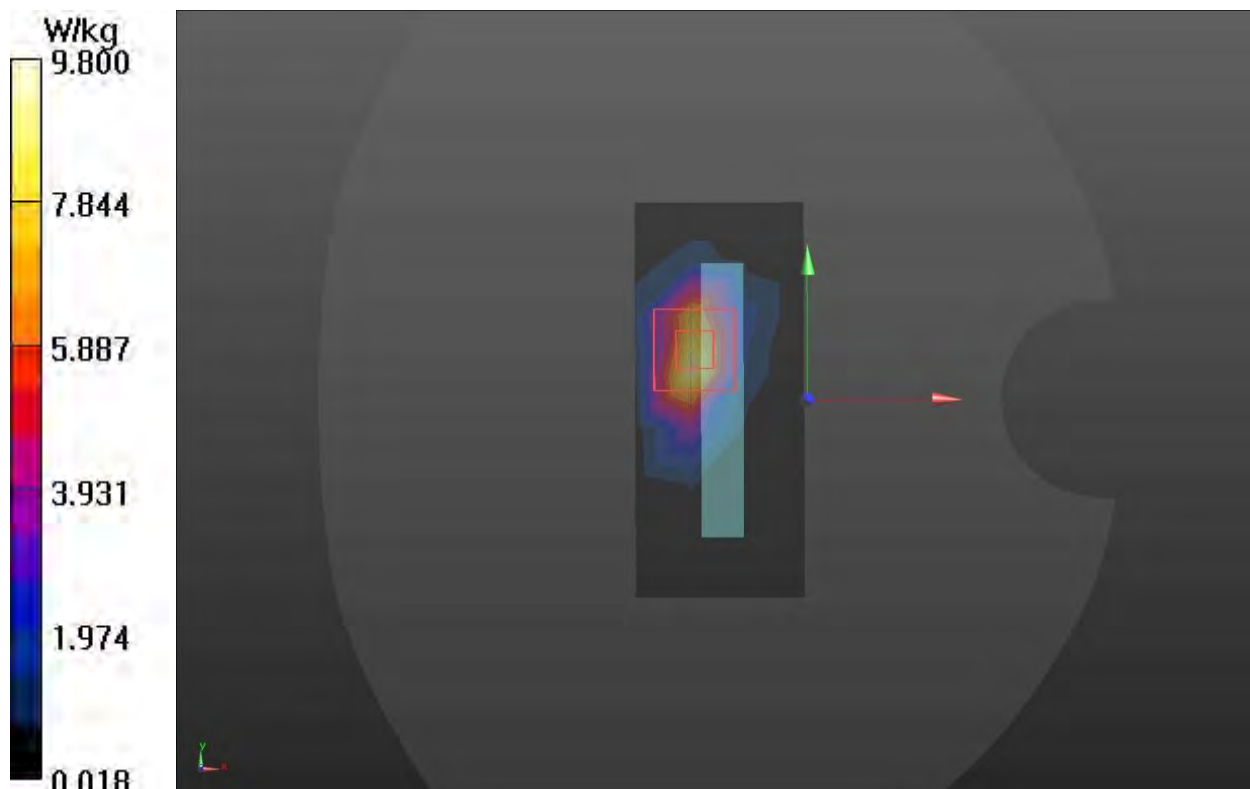
Bottom Edge High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.86 V/m; Power Drift = 0.84 dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 8.29W/kg; SAR(10 g) = 2.9 W/kg

Maximum value of SAR (measured) = 9.8W/kg



Plot 122 LTE Band 40 1RB Bottom Edge Middle (Distance 0mm)

Date: 2022/6/2

Communication System: UID 0, LTE (0); Frequency: 2350 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2350$ MHz; $\sigma = 1.775$ S/m; $\epsilon_r = 37.808$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.68, 7.68, 7.68); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 10.7 W/kg

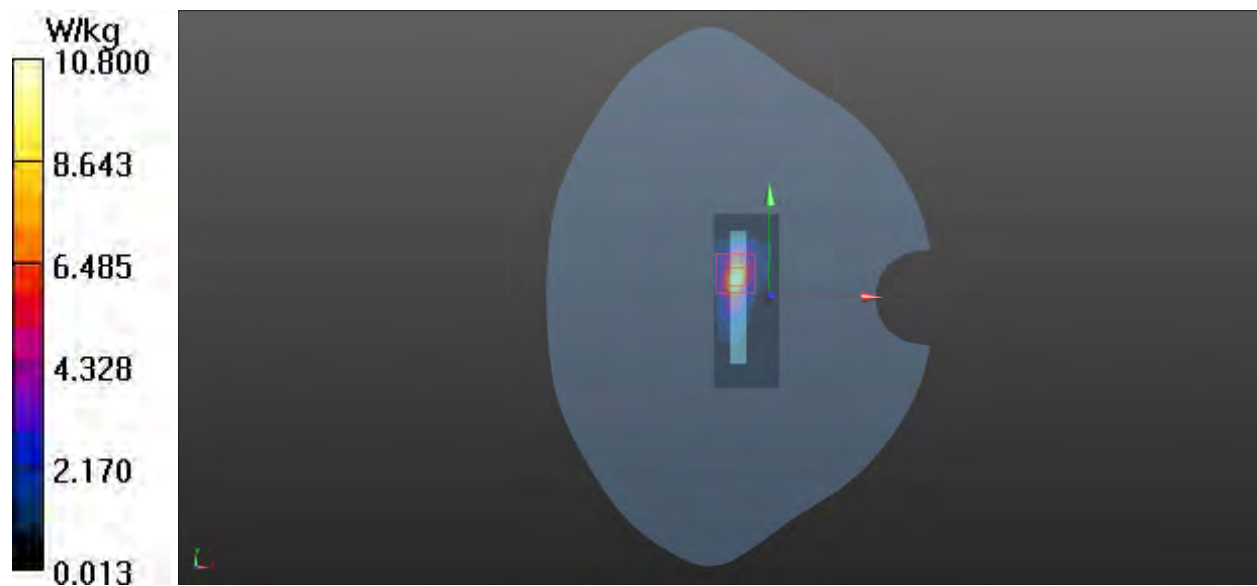
Bottom Edge Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.51 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 6.68 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 10.8 W/kg



Plot 123 LTE Band 41 1RB Bottom Edge Middl (Distance 0mm)

Date: 2022/5/31

Communication System: UID 0, LTE (0); Frequency: 2636.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 2.054$ S/m; $\epsilon_r = 36.947$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Middle/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 12.6 W/kg

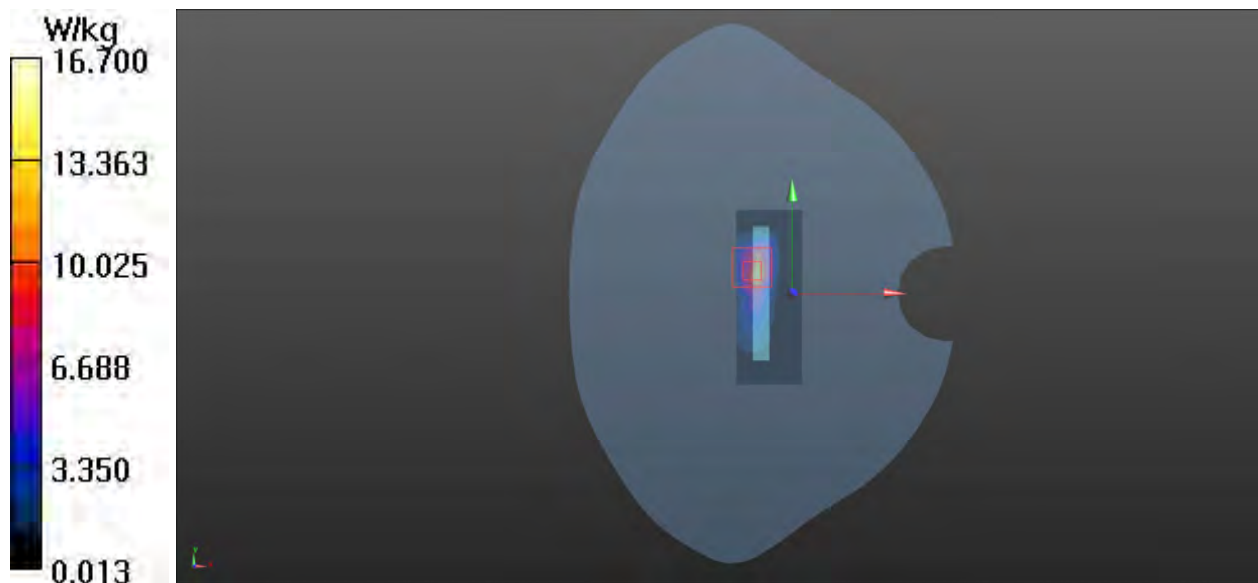
Bottom Edge Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.54 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 24.6 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.87 W/kg

Maximum value of SAR (measured) = 16.7 W/kg



Plot 124 LTE Band 66 1RB Left Edge Low (Distance 0mm)

Date: 2022/5/24

Communication System: UID 0, LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.303$ S/m; $\epsilon_r = 39.467$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(8.42, 8.42, 8.42); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Left Edge Low/Area Scan (4x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.20 W/kg

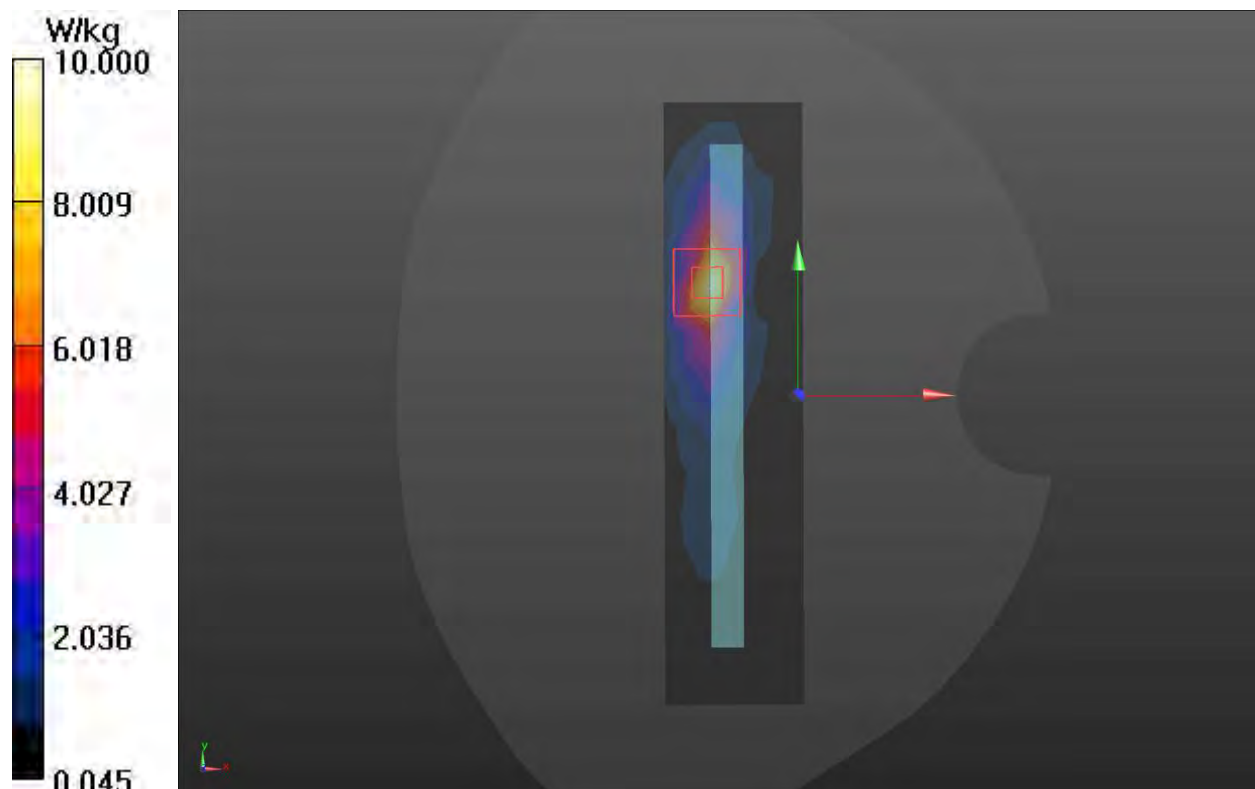
Left Edge Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.95 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 21.0 W/kg

SAR(1 g) = 7.2 W/kg; SAR(10 g) = 2.65 W/kg

Maximum value of SAR (measured) = 10.0 W/kg



Plot 125 NR Band n7 1RB Bottom Edge Low (Distance 0mm)

Date: 2022/5/8

Communication System: UID 0, 5G NR (0); Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.91$ S/m; $\epsilon_r = 37.398$; $\rho = 1000$ kg/m³

Ambient Temperature:22.3 °C Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated:2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bottom Edge Low/Area Scan (4x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.12 W/kg

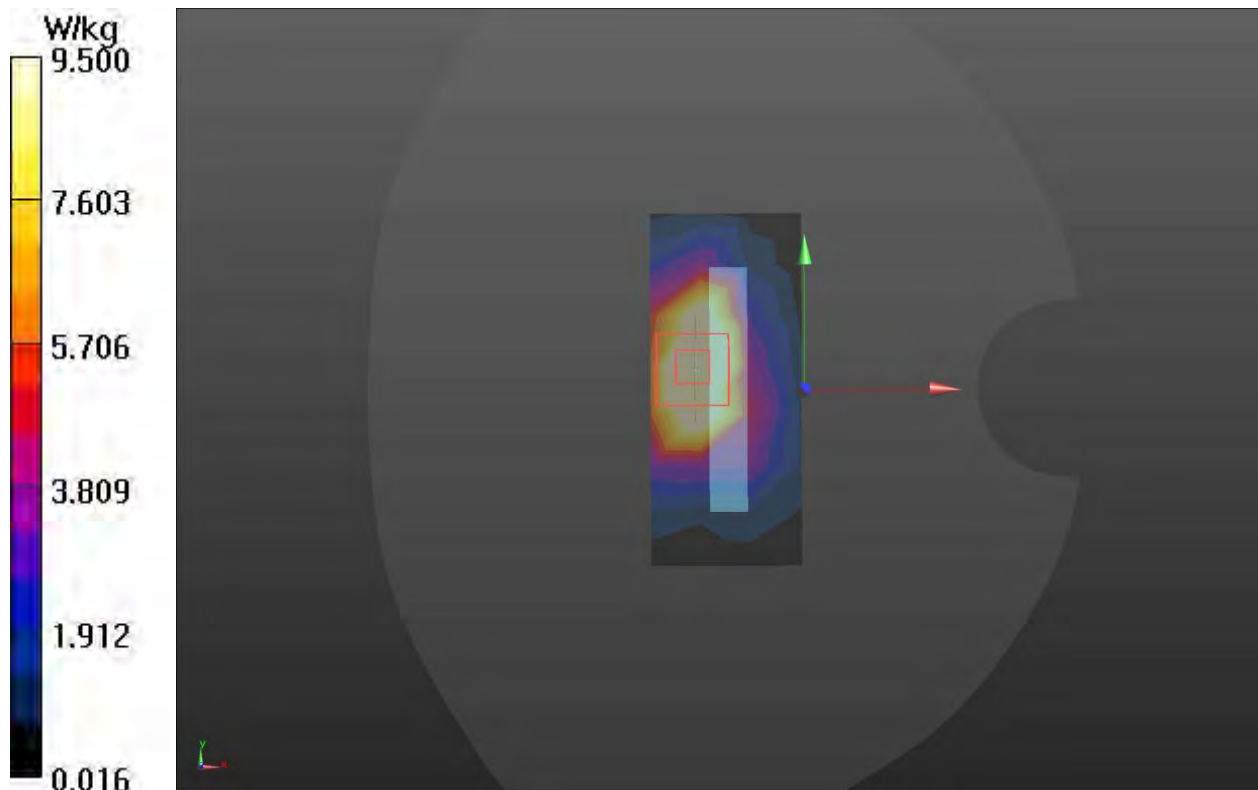
Bottom Edge Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.12 V/m; Power Drift = 0.194 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 8.34W/kg; SAR(10 g) = 2.91 W/kg

Maximum value of SAR (measured) = 9.50 W/kg



Plot 126 NR Band n41 50%RB Left Edge High (Distance 0mm)

Date: 2022/5/25

Communication System: UID 0, 5G NR (0); Frequency: 2640 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 2640$ MHz; $\sigma = 2.058$ S/m; $\epsilon_r = 36.937$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(7.24, 7.24, 7.24); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Left Edge High/Area Scan (5x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.95 W/kg

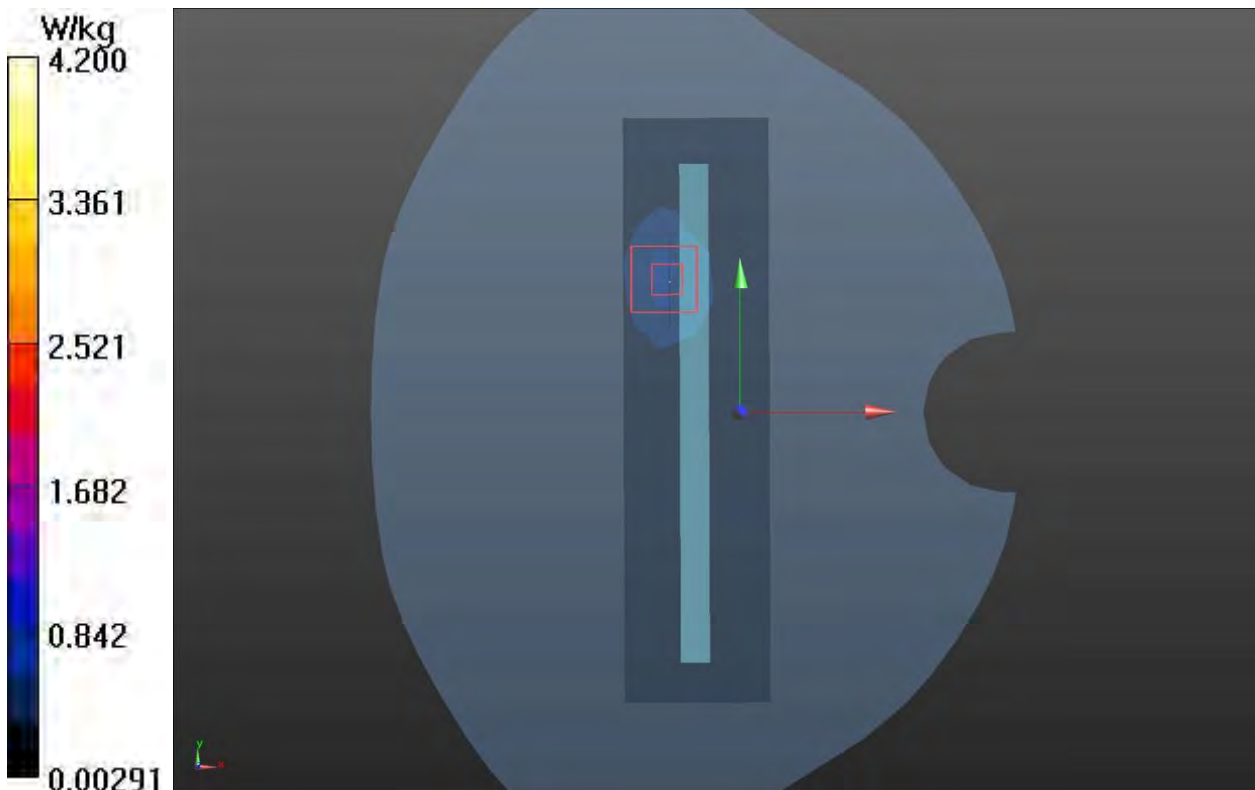
Left Edge High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.052 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.964 W/kg

SAR(1 g) = 3.77W/kg; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (measured) = 4.20 W/kg



Plot 127 NR Band n78 50%RB Back Side High (Distance 0mm)

Date: 2022/4/26

Communication System: UID 0, 5G NR (0); Frequency: 3750 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 3750$ MHz; $\sigma = 3.088$ S/m; $\epsilon_r = 37.562$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3 °C Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(6.51, 6.51, 6.51); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Back Side High/Area Scan (11x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.94 W/kg

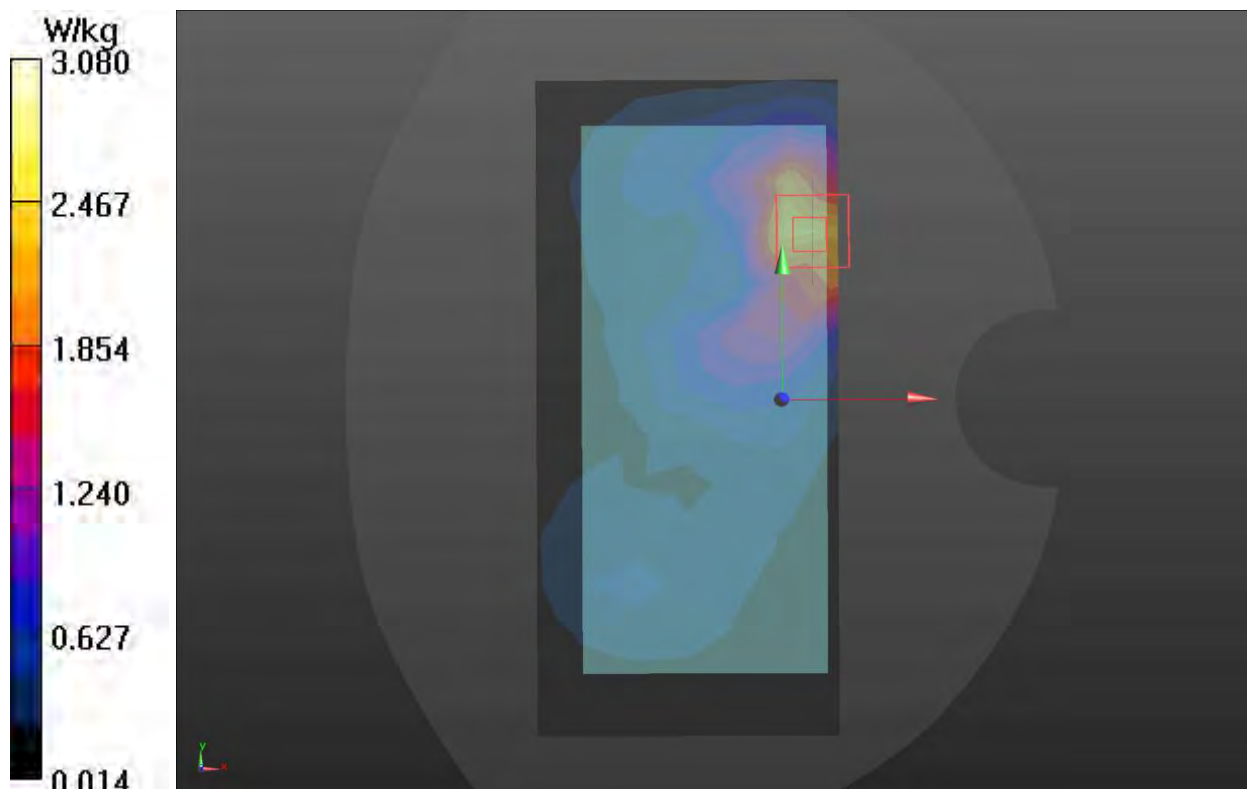
Back Side High/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.021 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 2.67 W/kg

SAR(1 g) = 2.81W/kg; SAR(10 g) = 1.02 W/kg

Maximum value of SAR (measured) = 3.09 W/kg



Plot 128 802.11ac-VHT20 U-NII-1 Top Edge Low (Distance 10mm)

Date: 2022/5/19

Communication System: UID 0, 802.11ac-VHT20 (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.75 \text{ S/m}$; $\epsilon_r = 36.766$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.3 \text{ }^\circ\text{C}$ Liquid Temperature: $21.5 \text{ }^\circ\text{C}$

Phantom section: Flat Section

DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Probe: EX3DV4 – SN7543; ConvF(5.44, 5.44, 5.44); Calibrated: 2021/12/28

Electronics: DAE4 SN1291; Calibrated: 2022/3/24

Phantom: SAM 2; Type: QD000P40CD; Serial: TP:1666

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Top Edge Low/Area Scan (6x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 4.80 W/kg

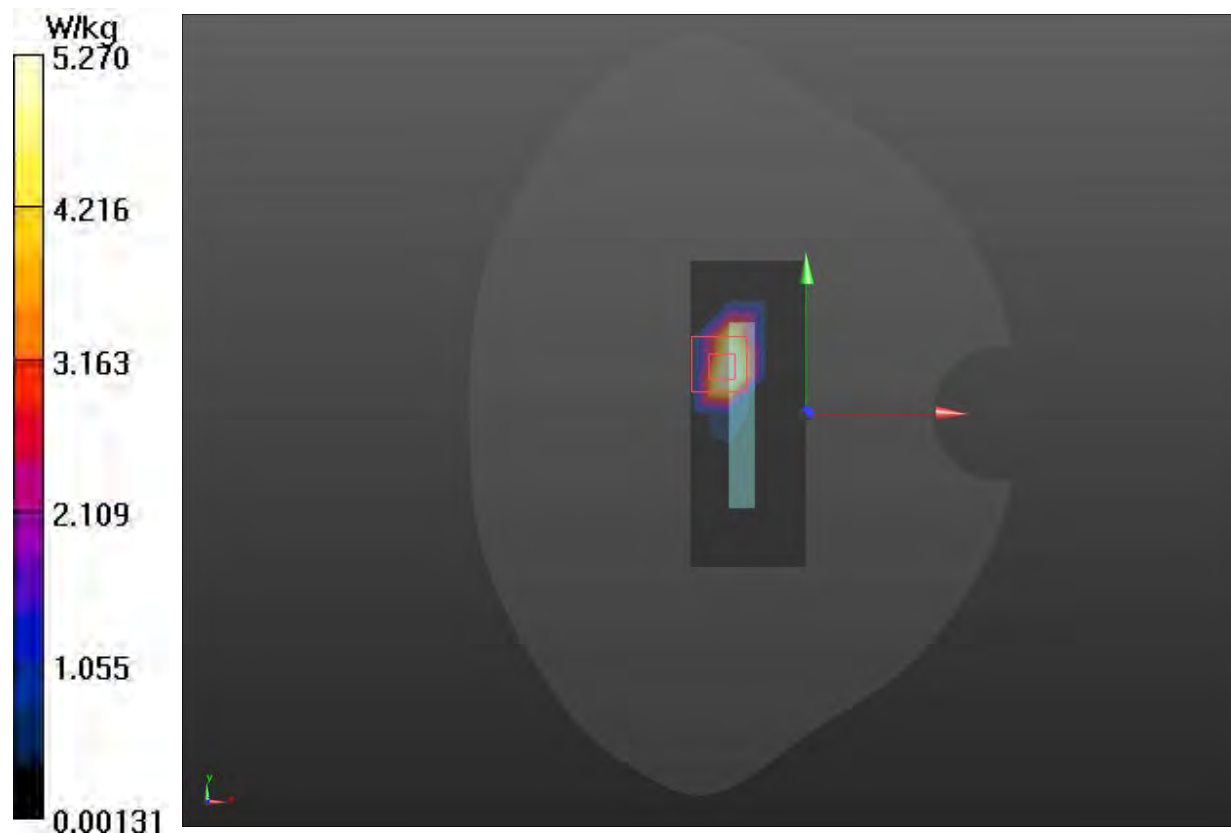
Top Edge Low/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.354 V/m; Power Drift = 0.148 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 4.250 W/kg; SAR(10 g) = 1.250 W/kg

Maximum value of SAR (measured) = 5.27 W/kg





ANNEX D: Probe Calibration Certificate



In Collaboration with
s p e a g
CALIBRATION LABORATORY

Add: No. 52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
E-mail: cttl@chinattl.com Http: www.chinattl.cn



中国认可
国际互认
校准
CALIBRATION
CNAS L0570

Client **TA(Shanghai)**Certificate No: **Z21-60417****CALIBRATION CERTIFICATE**

Object **EX3DV4 - SN : 7543**

Calibration Procedure(s) **FF-Z11-004-02**
Calibration Procedures for Dosimetric E-field Probes

Calibration date: **December 28, 2021**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements(SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature(22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	101919	15-Jun-21(CTTL, No.J21X04466)	Jun-22
Power sensor NRP-Z91	101547	15-Jun-21(CTTL, No.J21X04466)	Jun-22
Power sensor NRP-Z91	101548	15-Jun-21(CTTL, No.J21X04466)	Jun-22
Reference 10dBAttenuator	18N50W-10dB	10-Feb-20(CTTL, No.J20X00525)	Feb-22
Reference 20dBAttenuator	18N50W-20dB	10-Feb-20(CTTL, No.J20X00526)	Feb-22
Reference Probe EX3DV4	SN 3617	27-Jan-21(SPEAG, No.EX3-3617_Jan21)	Jan-22
DAE4	SN 1555	20-Aug-21(SPEAG, No.DAE4-1555_Aug21/2)	Aug-22
Secondary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
SignalGenerator MG3700A	6201052605	16-Jun-21(CTTL, No.J21X04467)	Jun-22
Network Analyzer E5071C	MY46110673	21-Jan-21(CTTL, No.J20X00515)	Jan-22

	Name	Function	Signature
Calibrated by:	Yu Zongying	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Issued: December 30, 2021

Certificate No: Z21-60417

Page 1 of 9



In Collaboration with
s p e a g
CALIBRATION LABORATORY

Add: No 52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
 Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
 E-mail: ctdl@chinatl.com [Http://www.chinatl.cn](http://www.chinatl.cn)

Glossary:

- TSL tissue simulating liquid
- NORM_{x,y,z} sensitivity in free space
- ConvF sensitivity in TSL / NORM_{x,y,z}
- DCP diode compression point
- CF crest factor (1/duty_cycle) of the RF signal
- A,B,C,D modulation dependent linearization parameters
- Polarization Φ Φ rotation around probe axis
- Polarization θ θ rotation around an axis that is in the plane normal to probe axis (at measurement center). $\theta=0$ is normal to probe axis
- Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices Measurement Techniques", June 2013
- b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- **NORM_{x,y,z}:** Assessed for E-field polarization $\theta=0$ ($f \leq 900\text{MHz}$ in TEM-cell; $f > 1800\text{MHz}$: waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not effect the E^2 -field uncertainty inside TSL (see below ConvF).
- **NORM(f)_{x,y,z} = NORM_{x,y,z} * frequency_response** (see Frequency Response Chart) This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- **DCP_{x,y,z}:** DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- **PAR:** PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- **A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; VR_{x,y,z}:** A,B,C are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode
- **ConvF and Boundary Effect Parameters:** Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800\text{MHz}$) and inside waveguide using analytical field distributions based on power measurements for $f > 800\text{MHz}$. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty valued are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from $\pm 50\text{MHz}$ to $\pm 100\text{MHz}$.
- **Spherical Isotropy (3D deviation from isotropy):** in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- **Sensor Offset:** The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- **Connector Angle:** The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).



In Collaboration with
TTL **s p e a g**
CALIBRATION LABORATORY
 Add: No 52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
 Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
 E-mail: ttl@chinatl.com Http://www.chinatl.cn

DASY/EASY – Parameters of Probe: EX3DV4 – SN:7543

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.62	0.69	0.55	$\pm 10.0\%$
DCP(mV) ^B	100.4	104.2	102.3	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB/ μV	C	D dB	VR mV	Unc ^E (k=2)
0	CW	X	0.0	0.0	1.0	0.00	197.2	$\pm 2.7\%$
		Y	0.0	0.0	1.0		206.6	
		Z	0.0	0.0	1.0		180.8	

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of Norm X, Y, Z do not affect the E²-field uncertainty inside TSL (see Page 4)

^B Numerical linearization parameter: uncertainty not required.

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



In Collaboration with
TTL s p e a g
CALIBRATION LABORATORY
 Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
 Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2501
 E-mail: ctt@chinattl.com Http://www.chinattl.cn

DASY/EASY – Parameters of Probe: EX3DV4 – SN:7543

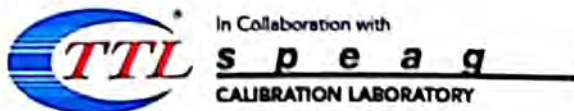
Calibration Parameter Determined in Head Tissue Simulating Media

f [MHz] ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unct. (k=2)
750	41.9	0.89	10.27	10.27	10.27	0.17	1.26	±12.1%
835	41.5	0.90	9.89	9.89	9.89	0.14	1.62	±12.1%
1750	40.1	1.37	8.42	8.42	8.42	0.28	0.95	±12.1%
1900	40.0	1.40	8.20	8.20	8.20	0.28	1.03	±12.1%
2000	40.0	1.40	8.23	8.23	8.23	0.26	1.08	±12.1%
2300	39.5	1.67	7.68	7.68	7.68	0.62	0.70	±12.1%
2450	39.2	1.80	7.49	7.49	7.49	0.68	0.69	±12.1%
2600	39.0	1.96	7.24	7.24	7.24	0.50	0.81	±12.1%
3300	38.2	2.71	6.94	6.94	6.94	0.41	1.05	±13.3%
3500	37.9	2.91	6.79	6.79	6.79	0.43	1.03	±13.3%
3700	37.7	3.12	6.51	6.51	6.51	0.44	1.01	±13.3%
3900	37.5	3.32	6.40	6.40	6.40	0.35	1.35	±13.3%
4100	37.2	3.53	6.49	6.49	6.49	0.40	1.15	±13.3%
4400	36.9	3.84	6.32	6.32	6.32	0.35	1.35	±13.3%
4600	36.7	4.04	6.22	6.22	6.22	0.45	1.20	±13.3%
4800	36.4	4.25	6.16	6.16	6.16	0.45	1.20	±13.3%
4950	36.3	4.40	5.95	5.95	5.95	0.45	1.25	±13.3%
5250	35.9	4.71	5.44	5.44	5.44	0.45	1.25	±13.3%
5600	35.5	5.07	4.81	4.81	4.81	0.55	1.20	±13.3%
5750	35.4	5.22	4.94	4.94	4.94	0.55	1.25	±13.3%

^C Frequency validity above 300 MHz of ±100MHz only applies for DASY v4.4 and higher (Page 2), else it is restricted to ±50MHz. The uncertainty is the RSS of ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

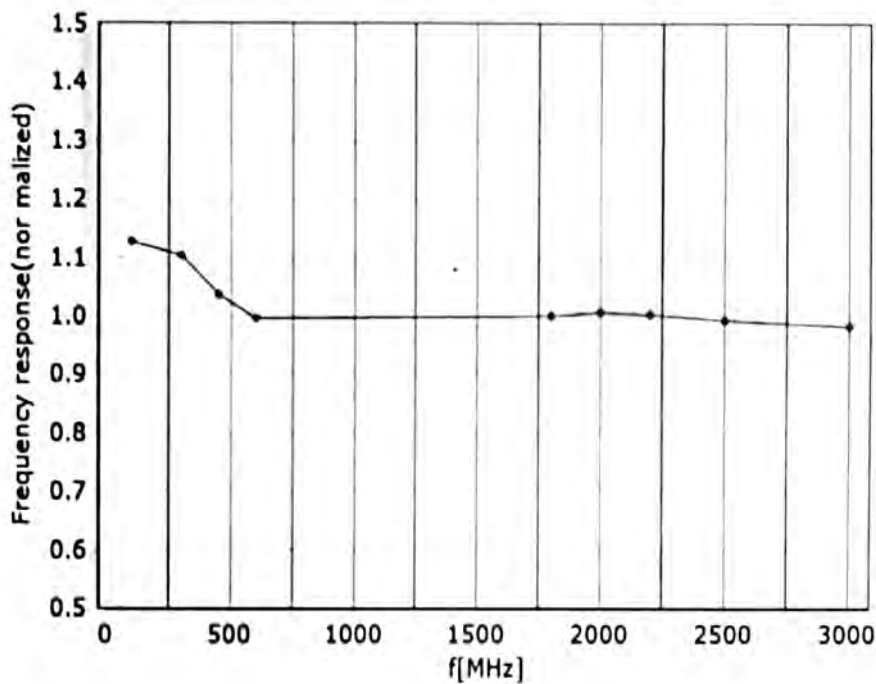
^F At frequency below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ±5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for the frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



Add: No 52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
E-mail: cttl@chinattl.com Http: www.chinattl.cn

Frequency Response of E-Field (TEM-Cell: if110 EXX, Waveguide: R22)



* TEM

* R22

Uncertainty of Frequency Response of E-field: $\pm 7.4\%$ ($k=2$)