

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				374000/1870	376500/1882.5	379000/1895	
	CP-OFDM QPSK	1	1	22.43	22.43	22.43	23.00
	CP-OFDM 16QAM	1	1	20.98	21.00	21.38	22.00
	CP-OFDM 64QAM	1	1	19.83	19.63	19.49	20.50
	CP-OFDM 256QAM	1	1	16.83	16.77	16.47	17.50
40MHz	DFT-s-OFDM BPSK	1	1	22.31	22.47	22.31	24.00
		1	214	22.26	22.20	22.12	24.00
		108	54	22.15	22.30	22.15	24.00
		216	0	21.28	21.35	21.11	23.00
	DFT-s-OFDM QPSK	1	1	22.13	22.47	22.25	24.00
		1	214	22.08	22.20	22.06	24.00
		108	54	22.25	22.26	22.23	24.00
	DFT-s-OFDM 16QAM	216	0	21.22	21.25	21.21	23.00
		1	1	21.45	21.41	21.61	22.50
	DFT-s-OFDM 64QAM	108	54	21.30	21.20	21.30	22.50
		1	1	19.71	19.77	19.95	21.50
	DFT-s-OFDM 256QAM	108	54	20.11	19.93	19.89	21.50
		1	1	17.71	17.75	17.93	19.50
	CP-OFDM QPSK	108	54	17.95	17.79	17.73	19.50
		1	1	22.49	22.45	22.37	23.00
	CP-OFDM 16QAM	1	1	21.04	21.12	21.20	22.00
CP-OFDM 64QAM	1	1	19.89	19.71	19.57	20.50	
CP-OFDM 256QAM	1	1	16.79	16.61	16.47	17.50	

n25							
Sensor on--Main Ant0				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/1852.5	376500/1882.5	382500/1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	13.14	13.03	13.11	14.00
		1	23	12.97	13.13	13.18	14.00
		12	6	12.49	12.49	12.81	14.00
		25	0	12.73	13.09	12.60	14.00
	DFT-s-OFDM QPSK	1	1	12.91	13.35	13.29	14.00
		1	23	13.43	12.87	12.81	14.00
		12	6	12.89	13.09	12.56	14.00

		25	0	12.76	13.06	12.96	14.00
	DFT-s-OFDM 16QAM	1	1	13.48	13.47	12.98	14.00
		12	6	13.06	12.89	13.02	14.00
	DFT-s-OFDM 64QAM	1	1	13.38	13.45	13.34	14.00
		12	6	13.06	13.02	12.96	14.00
	DFT-s-OFDM 256QAM	1	1	12.98	13.04	12.89	14.00
		12	6	12.21	12.05	12.42	14.00
	CP-OFDM QPSK	1	1	13.01	13.12	13.31	14.00
	CP-OFDM 16QAM	1	1	12.66	12.62	13.42	14.00
CP-OFDM 64QAM	1	1	13.52	12.91	13.17	14.00	
CP-OFDM 256QAM	1	1	12.78	13.03	13.10	14.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	12.84	12.99	13.39	14.00
		1	50	12.69	13.15	13.16	14.00
		25	12	12.57	12.47	12.59	14.00
		50	0	12.65	12.79	12.78	14.00
	DFT-s-OFDM QPSK	1	1	13.11	13.31	13.23	14.00
		1	50	13.39	12.89	12.69	14.00
		25	12	12.95	12.93	12.54	14.00
	DFT-s-OFDM 16QAM	50	0	12.90	13.14	13.14	14.00
		1	1	13.16	13.47	13.12	14.00
		25	12	13.28	12.77	13.12	14.00
	DFT-s-OFDM 64QAM	1	1	13.26	13.59	13.32	14.00
		25	12	13.04	13.28	12.68	14.00
	DFT-s-OFDM 256QAM	1	1	12.98	13.08	12.83	14.00
		25	12	12.23	12.54	12.20	14.00
	CP-OFDM QPSK	1	1	13.09	12.96	13.27	14.00
	CP-OFDM 16QAM	1	1	12.84	12.48	13.30	14.00
CP-OFDM 64QAM	1	1	13.56	12.87	13.29	14.00	
CP-OFDM 256QAM	1	1	13.04	12.77	13.06	14.00	

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	38150/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	13.14	13.07	13.17	14.00
		1	77	12.93	13.05	13.14	14.00
		36	18	12.59	12.51	12.71	14.00
		75	0	12.79	12.95	12.78	14.00
	DFT-s-OFDM QPSK	1	1	13.09	13.37	13.13	14.00
		1	77	13.29	12.81	12.91	14.00
		36	18	12.67	13.05	12.58	14.00
	DFT-s-OFDM 16QAM	75	0	12.88	12.92	13.08	14.00
		1	1	13.44	13.31	13.18	14.00
		36	18	13.08	13.13	12.88	14.00
	DFT-s-OFDM 64QAM	1	1	13.50	13.49	13.26	14.00
		36	18	13.04	13.10	12.92	14.00
	DFT-s-OFDM 256QAM	1	1	13.00	13.08	12.79	14.00
		36	18	12.01	12.05	12.34	14.00
	CP-OFDM QPSK	1	1	12.91	13.18	13.31	14.00
	CP-OFDM 16QAM	1	1	12.70	12.68	13.24	14.00
CP-OFDM 64QAM	1	1	13.54	12.89	13.19	14.00	
CP-OFDM 256QAM	1	1	12.80	13.01	13.06	14.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	13.00	13.01	13.17	14.00
		1	104	12.85	13.01	13.06	14.00
		50	25	12.45	12.37	12.65	14.00
		100	0	12.79	12.97	12.66	14.00
	DFT-s-OFDM QPSK	1	1	12.95	13.43	13.13	14.00
		1	104	13.37	12.87	12.85	14.00
		50	25	12.79	12.95	12.60	14.00
	DFT-s-OFDM 16QAM	100	0	12.80	12.92	12.98	14.00
		1	1	13.32	13.31	13.02	14.00
		50	25	13.06	12.95	12.98	14.00
	DFT-s-OFDM 64QAM	1	1	13.32	13.55	13.36	14.00
		50	25	12.92	13.12	12.84	14.00
	DFT-s-OFDM 256QAM	1	1	12.96	12.90	12.79	14.00
		50	25	12.07	12.07	12.26	14.00
	CP-OFDM QPSK	1	1	12.99	13.02	13.35	14.00
	CP-OFDM 16QAM	1	1	12.68	12.58	13.34	14.00

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up	
				372500 /1862.5	376500/1882.5	380500/1902.5		
	CP-OFDM 64QAM	1	1	13.42	12.89	13.09	14.00	
	CP-OFDM 256QAM	1	1	12.84	12.95	12.96	14.00	
25MHz	DFT-s-OFDM BPSK	1	1	13.26	12.99	13.05	14.00	
		1	131	12.75	13.31	12.86	14.00	
		64	32	12.47	12.59	12.67	14.00	
		128	0	12.77	12.91	12.90	14.00	
	DFT-s-OFDM QPSK	1	1	13.09	13.27	12.97	14.00	
		1	131	13.21	12.89	12.87	14.00	
		64	32	12.77	12.73	12.78	14.00	
	DFT-s-OFDM 16QAM	128	0	13.06	12.94	12.88	14.00	
		1	1	13.12	13.13	12.86	14.00	
	DFT-s-OFDM 64QAM	64	32	12.96	12.81	12.94	14.00	
		1	1	13.32	13.59	13.20	14.00	
	DFT-s-OFDM 256QAM	64	32	13.02	13.00	12.94	14.00	
		1	1	12.76	12.84	12.79	14.00	
	CP-OFDM	QPSK	64	32	12.17	12.19	12.32	14.00
			1	1	12.95	12.94	13.43	14.00
		16QAM	1	1	12.54	12.72	13.26	14.00
1			1	13.30	13.25	13.11	14.00	
CP-OFDM 256QAM	1	1	12.84	12.93	12.74	14.00		
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up	
				373000/1865	376500/1882.5	380000/1900		
30MHz	DFT-s-OFDM BPSK	1	1	13.06	12.97	13.05	14.00	
		1	158	12.77	13.33	13.06	14.00	
		80	40	12.47	12.65	12.61	14.00	
		160	0	12.77	13.11	12.82	14.00	
	DFT-s-OFDM QPSK	1	1	13.11	13.29	12.91	14.00	
		1	158	13.07	12.91	12.87	14.00	
		80	40	12.65	12.77	13.02	14.00	
	DFT-s-OFDM 16QAM	160	0	13.04	13.10	12.80	14.00	
		1	1	13.10	13.07	13.00	14.00	
	DFT-s-OFDM 64QAM	80	40	12.94	12.89	12.82	14.00	
		1	1	13.18	13.37	13.40	14.00	
	DFT-s-OFDM 256QAM	80	40	12.86	13.06	12.80	14.00	
		1	1	12.76	12.82	12.83	14.00	
			80	40	12.13	12.25	12.26	14.00

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				374000/1870	376500/1882.5	379000/1895	
	CP-OFDM QPSK	1	1	12.93	12.96	13.45	14.00
	CP-OFDM 16QAM	1	1	12.78	12.68	13.02	14.00
	CP-OFDM 64QAM	1	1	13.34	13.15	13.11	14.00
	CP-OFDM 256QAM	1	1	12.74	12.95	12.86	14.00
40MHz	DFT-s-OFDM BPSK	1	1	13.18	13.07	13.03	14.00
		1	214	12.85	13.19	12.92	14.00
		108	54	12.49	12.59	12.53	14.00
		216	0	12.87	12.97	12.74	14.00
	DFT-s-OFDM QPSK	1	1	13.11	13.21	12.93	14.00
		1	214	13.11	12.97	12.85	14.00
		108	54	12.67	12.65	12.88	14.00
	DFT-s-OFDM 16QAM	216	0	12.90	12.92	12.88	14.00
		1	1	13.22	13.09	12.94	14.00
		108	54	12.92	12.79	12.84	14.00
	DFT-s-OFDM 64QAM	1	1	13.16	13.43	13.24	14.00
		108	54	12.88	12.92	12.82	14.00
	DFT-s-OFDM 256QAM	1	1	12.76	12.74	12.81	14.00
		108	54	12.15	12.19	12.22	14.00
	CP-OFDM QPSK	1	1	12.91	13.04	13.31	14.00
	CP-OFDM 16QAM	1	1	12.62	12.64	13.10	14.00
CP-OFDM 64QAM	1	1	13.40	13.13	13.05	14.00	
CP-OFDM 256QAM	1	1	12.82	12.93	12.72	14.00	

n41 PC2							
Pmax&Sensor off-Main Ant2				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				500202/2501.01	5185.98/2592.99	537000/2685	
10MHz	DFT-s-OFDM BPSK	1	1	25.14	24.99	25.72	26.50
		1	22	25.12	25.34	25.54	26.50
		12	6	25.49	25.64	25.49	26.50
		24	0	24.77	24.06	24.75	25.50
	DFT-s-OFDM QPSK	1	1	25.48	25.19	25.50	26.50
		1	22	25.76	25.32	25.42	26.50
		12	6	25.39	25.16	25.15	26.50

		24	0	24.55	24.30	24.35	25.50
	DFT-s-OFDM 16QAM	1	1	24.53	24.24	24.16	25.00
		12	6	24.11	23.25	24.57	25.00
	DFT-s-OFDM 64QAM	1	1	22.49	21.51	22.58	23.50
		12	6	22.84	22.86	22.77	23.50
	DFT-s-OFDM 256QAM	1	1	21.27	20.93	21.38	22.00
		12	6	21.18	21.26	21.37	22.00
	CP-OFDM QPSK	1	1	24.96	25.08	24.98	26.00
	CP-OFDM 16QAM	1	1	24.40	24.31	24.25	24.50
CP-OFDM 64QAM	1	1	22.62	22.90	22.76	23.00	
CP-OFDM 256QAM	1	1	19.82	19.70	19.68	20.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				500700/2503.5	518598/2592.99	536496/2682.48	
15MHz	DFT-s-OFDM BPSK	1	1	25.36	25.29	25.80	26.50
		1	36	25.40	25.46	25.40	26.50
		18	9	25.37	25.34	25.47	26.50
		36	0	24.53	24.38	24.77	25.50
	DFT-s-OFDM QPSK	1	1	25.42	25.27	25.54	26.50
		1	36	25.58	25.20	25.50	26.50
		18	9	25.31	25.48	25.43	26.50
	DFT-s-OFDM 16QAM	36	0	24.49	24.26	24.53	25.50
		1	1	24.31	24.20	24.38	25.00
		18	9	24.23	23.41	24.57	25.00
	DFT-s-OFDM 64QAM	1	1	22.39	21.81	22.86	23.50
		18	9	23.12	22.98	23.23	23.50
	DFT-s-OFDM 256QAM	1	1	21.25	21.21	21.12	22.00
		18	9	21.36	21.32	21.47	22.00
	CP-OFDM QPSK	1	1	24.98	25.16	25.12	26.00
CP-OFDM 16QAM	1	1	24.33	24.25	24.37	24.50	
CP-OFDM 64QAM	1	1	22.86	22.88	22.66	23.00	
CP-OFDM 256QAM	1	1	19.70	19.74	19.80	20.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	25.40	25.17	25.78	26.50
		1	49	25.32	25.34	25.52	26.50
		25	12	25.53	25.26	25.31	26.50

		50	0	24.51	24.44	24.47	25.50
	DFT-s-OFDM QPSK	1	1	25.54	25.29	25.48	26.50
		1	49	25.36	25.38	25.40	26.50
		25	12	25.09	25.20	25.23	26.50
		50	0	24.39	24.22	24.35	25.50
	DFT-s-OFDM 16QAM	1	1	24.19	24.14	24.46	25.00
		25	12	24.33	23.33	24.33	25.00
	DFT-s-OFDM 64QAM	1	1	22.35	21.51	22.86	23.50
		25	12	23.00	22.86	23.15	23.50
	DFT-s-OFDM 256QAM	1	1	20.97	21.19	20.98	22.00
		25	12	21.34	21.32	21.35	22.00
	CP-OFDM QPSK	1	1	25.00	24.98	25.14	26.00
	CP-OFDM 16QAM	1	1	24.47	24.29	24.35	24.50
	CP-OFDM 64QAM	1	1	22.58	22.58	22.42	23.00
CP-OFDM 256QAM	1	1	19.82	19.62	19.82	20.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502200/2511	518598/2592.99	534996/2674.98	
30MHz	DFT-s-OFDM BPSK	1	1	25.52	24.97	25.88	26.50
		1	76	25.12	25.38	25.44	26.50
		36	18	25.47	25.64	25.23	26.50
		75	0	24.55	24.40	24.69	25.50
	DFT-s-OFDM QPSK	1	1	25.66	25.07	25.66	26.50
		1	76	25.46	25.20	25.54	26.50
		36	18	25.17	25.54	25.31	26.50
	DFT-s-OFDM 16QAM	75	0	24.53	24.22	24.65	25.50
		1	1	24.31	24.20	24.62	25.00
		36	18	24.17	23.35	24.55	25.00
	DFT-s-OFDM 64QAM	1	1	22.17	21.63	22.72	23.50
		36	18	23.00	22.78	23.27	23.50
	DFT-s-OFDM 256QAM	1	1	21.03	21.19	21.14	22.00
		36	18	21.48	21.12	21.53	22.00
	CP-OFDM QPSK	1	1	24.94	24.98	24.98	26.00
	CP-OFDM 16QAM	1	1	24.41	24.33	24.31	24.50
CP-OFDM 64QAM	1	1	22.86	22.84	22.56	23.00	
CP-OFDM 256QAM	1	1	19.86	19.68	19.66	20.00	
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			Tune-up

		allocation		503202/2516.01	518598/2592.99	534000/2670	
40MHz	DFT-s-OFDM BPSK	1	1	25.26	25.29	25.86	26.50
		1	104	25.40	25.52	25.52	26.50
		50	25	25.41	25.50	25.49	26.50
		100	0	24.49	24.54	24.63	25.50
	DFT-s-OFDM QPSK	1	1	25.62	25.13	25.68	26.50
		1	104	25.60	25.20	25.64	26.50
		50	25	25.25	25.54	25.37	26.50
		100	0	24.29	24.36	24.51	25.50
	DFT-s-OFDM 16QAM	1	1	24.41	24.24	24.58	25.00
		50	25	24.41	23.51	24.43	25.00
	DFT-s-OFDM 64QAM	1	1	22.35	21.81	22.68	23.50
		50	25	22.96	22.92	23.01	23.50
	DFT-s-OFDM 256QAM	1	1	20.93	21.01	21.00	22.00
		50	25	21.38	21.24	21.51	22.00
	CP-OFDM QPSK	1	1	24.98	25.00	25.14	26.00
CP-OFDM 16QAM	1	1	24.35	24.39	24.39	24.50	
CP-OFDM 64QAM	1	1	22.62	22.72	22.66	23.00	
CP-OFDM 256QAM	1	1	19.88	19.76	19.64	20.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				504204/2521.02	518598/2592.99	532998/2664.99	
50MHz	DFT-s-OFDM BPSK	1	1	25.36	25.15	25.70	26.50
		1	131	25.30	25.42	25.44	26.50
		64	32	25.43	25.44	25.33	26.50
		128	0	24.55	24.36	24.63	25.50
	DFT-s-OFDM QPSK	1	1	25.46	25.21	25.60	26.50
		1	131	25.56	25.28	25.52	26.50
		64	32	25.27	25.36	25.31	26.50
		128	0	24.41	24.26	24.53	25.50
	DFT-s-OFDM 16QAM	1	1	24.25	24.06	24.44	25.00
		64	32	24.33	23.43	24.49	25.00
	DFT-s-OFDM 64QAM	1	1	22.35	21.71	22.80	23.50
		64	32	23.04	22.94	23.09	23.50
	DFT-s-OFDM 256QAM	1	1	20.83	21.17	21.06	22.00
		64	32	21.30	21.16	21.61	22.00
	CP-OFDM QPSK	1	1	24.94	25.67	25.04	26.00
CP-OFDM 16QAM	1	1	24.43	24.33	24.27	24.50	
CP-OFDM	1	1	22.72	22.72	22.58	23.00	

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				505200/2526	518598/2595.99	531996/2659.98	
	64QAM						
	CP-OFDM 256QAM	1	1	19.74	19.80	19.62	20.00
60MHz	DFT-s-OFDM BPSK	1	1	24.98	25.17	25.86	26.50
		1	160	25.34	25.52	25.60	26.50
		81	40	25.39	25.40	25.47	26.50
		162	0	24.77	24.54	24.39	25.50
	DFT-s-OFDM QPSK	1	1	25.36	24.95	25.62	26.50
		1	160	25.50	25.26	25.44	26.50
		81	40	25.17	25.26	25.45	26.50
	DFT-s-OFDM 16QAM	162	0	24.45	24.30	24.65	25.50
		1	1	24.09	23.80	24.46	25.00
		81	40	24.33	23.39	24.41	25.00
	DFT-s-OFDM 64QAM	1	1	22.67	21.71	22.84	23.50
		81	40	23.02	23.02	22.89	23.50
	DFT-s-OFDM 256QAM	1	1	20.99	20.93	21.00	22.00
		81	40	21.38	21.40	21.35	22.00
	CP-OFDM QPSK	1	1	24.76	25.61	25.08	26.00
	CP-OFDM 16QAM	1	1	24.33	24.35	24.03	24.50
CP-OFDM 64QAM	1	1	22.56	22.84	22.72	23.00	
CP-OFDM 256QAM	1	1	19.86	19.88	19.66	20.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				507204/2536.02	518598/2595.99	529998/2649.99	
80MHz	DFT-s-OFDM BPSK	1	1	25.32	25.29	25.70	26.50
		1	215	25.44	25.18	25.18	26.50
		108	54	25.33	25.16	25.61	26.50
		216	0	24.69	24.24	24.47	25.50
	DFT-s-OFDM QPSK	1	1	25.56	25.33	25.58	26.50
		1	215	25.36	25.40	25.22	26.50
		108	54	25.25	25.48	25.39	26.50
	DFT-s-OFDM 16QAM	216	0	24.31	24.38	24.55	25.50
		1	1	24.25	23.88	24.34	25.00
		108	54	24.35	23.27	24.37	25.00
	DFT-s-OFDM 64QAM	1	1	22.43	21.55	22.78	23.50
		108	54	22.78	22.72	22.83	23.50
DFT-s-OFDM 256QAM	1	1	21.11	21.13	21.00	22.00	
	108	54	21.36	21.30	21.35	22.00	

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				508200/2541	518598/2595.99	528996/2644.98	
	CP-OFDM QPSK	1	1	25.02	25.77	24.88	26.00
	CP-OFDM 16QAM	1	1	24.47	24.32	24.19	24.50
	CP-OFDM 64QAM	1	1	22.60	22.80	22.72	23.00
	CP-OFDM 256QAM	1	1	19.92	19.76	19.84	20.00
90MHz	DFT-s-OFDM BPSK	1	1	25.28	25.11	25.88	26.50
		1	243	25.28	25.42	25.20	26.50
		120	60	25.45	25.18	25.33	26.50
		243	0	24.73	24.36	24.49	25.50
	DFT-s-OFDM QPSK	1	1	25.38	25.03	25.56	26.50
		1	243	25.52	25.44	25.42	26.50
		120	60	25.35	25.40	25.43	26.50
	DFT-s-OFDM 16QAM	243	0	24.57	24.26	24.53	25.50
		1	1	24.23	24.14	24.36	25.00
	DFT-s-OFDM 64QAM	120	60	24.31	23.35	24.45	25.00
		1	1	22.41	21.55	22.74	23.50
	DFT-s-OFDM 256QAM	120	60	22.94	22.76	22.85	23.50
		1	1	21.03	21.03	20.98	22.00
	CP-OFDM QPSK	120	60	21.48	21.22	21.35	22.00
		1	1	24.94	25.77	25.04	26.00
	CP-OFDM 16QAM	1	1	24.19	24.29	24.27	24.50
CP-OFDM 64QAM	1	1	22.56	22.92	22.58	23.00	
CP-OFDM 256QAM	1	1	19.86	19.66	19.76	20.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				509202/2546.01	518598/2592.99	528000/2640	
100MHz	DFT-s-OFDM BPSK	1	1	25.28	25.17	25.70	26.50
		1	271	25.40	25.30	25.30	26.50
		135	67	25.35	25.28	25.41	26.50
		270	0	24.57	24.36	24.47	25.50
	DFT-s-OFDM QPSK	1	1	25.36	25.11	25.58	26.50
		1	271	25.42	25.32	25.40	26.50
		135	67	25.35	25.38	25.35	26.50
	DFT-s-OFDM 16QAM	270	0	24.39	24.34	24.39	25.50
		1	1	24.23	23.96	24.46	25.00
	135	67	24.37	23.41	24.39	25.00	

	DFT-s-OFDM 64QAM	1	1	22.37	21.61	22.70	23.50
		135	67	22.90	22.80	22.97	23.50
	DFT-s-OFDM 256QAM	1	1	20.93	21.03	21.04	22.00
		135	67	21.32	21.20	21.39	22.00
	CP-OFDM QPSK	1	1	24.96	25.67	25.04	26.00
	CP-OFDM 16QAM	1	1	24.27	24.37	24.21	24.50
	CP-OFDM 64QAM	1	1	22.60	22.76	22.66	23.00
CP-OFDM 256QAM	1	1	19.80	19.78	19.64	20.00	
n41 PC2							
Sensor on--Main Ant2				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				500202/2501.01	5185.98/2592.99	537000/2685	
10MHz	DFT-s-OFDM BPSK	1	1	16.82	17.04	16.75	18.50
		1	22	16.88	16.54	16.93	18.50
		12	6	17.01	17.04	17.29	18.50
		24	0	17.04	17.16	16.60	18.50
	DFT-s-OFDM QPSK	1	1	17.20	17.06	17.25	18.50
		1	22	16.60	16.66	16.87	18.50
		12	6	16.77	16.54	16.87	18.50
	DFT-s-OFDM 16QAM	24	0	16.68	17.28	17.37	18.50
		1	1	16.78	16.64	16.82	18.50
	DFT-s-OFDM 64QAM	12	6	16.55	16.71	16.68	18.50
		1	1	16.59	16.77	16.60	18.50
	DFT-s-OFDM 256QAM	12	6	16.92	16.80	16.81	18.50
		1	1	17.10	17.07	16.99	18.50
	CP-OFDM QPSK	12	6	17.19	17.37	16.61	18.50
CP-OFDM QPSK	1	1	16.94	17.03	17.05	18.50	
CP-OFDM 16QAM	1	1	16.71	17.23	16.76	18.50	
CP-OFDM 64QAM	1	1	16.60	16.81	16.98	18.50	
CP-OFDM 256QAM	1	1	16.91	16.85	16.91	18.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				500700/2503.5	518598/2592.99	536496/2682.48	
15MHz	DFT-s-OFDM BPSK	1	1	17.04	17.06	16.99	18.50
		1	36	17.14	16.84	17.13	18.50
		18	9	17.23	17.02	17.25	18.50
		36	0	17.20	17.28	16.88	18.50

	DFT-s-OFDM QPSK	1	1	17.14	17.18	17.39	18.50
		1	36	16.78	16.78	17.05	18.50
		18	9	16.60	16.74	16.59	18.50
		36	0	17.02	17.00	17.19	18.50
	DFT-s-OFDM 16QAM	1	1	16.98	16.96	17.00	18.50
		18	9	16.59	16.99	16.80	18.50
	DFT-s-OFDM 64QAM	1	1	16.80	16.79	16.76	18.50
		18	9	17.10	16.69	17.13	18.50
	DFT-s-OFDM 256QAM	1	1	16.90	17.19	17.11	18.50
		18	9	17.35	17.25	16.81	18.50
	CP-OFDM QPSK	1	1	16.70	17.37	17.07	18.50
	CP-OFDM 16QAM	1	1	16.77	17.09	17.02	18.50
CP-OFDM 64QAM	1	1	16.74	16.91	17.16	18.50	
CP-OFDM 256QAM	1	1	17.27	16.77	17.25	18.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	17.00	17.26	16.89	18.50
		1	49	17.24	16.62	17.03	18.50
		25	12	17.27	17.08	17.29	18.50
		50	0	16.92	16.96	16.65	18.50
	DFT-s-OFDM QPSK	1	1	17.36	17.12	17.43	18.50
		1	49	16.64	16.76	16.97	18.50
		25	12	16.71	16.70	16.75	18.50
	DFT-s-OFDM 16QAM	50	0	16.80	17.22	17.35	18.50
		1	1	17.08	16.94	16.74	18.50
		25	12	16.73	16.89	16.84	18.50
	DFT-s-OFDM 64QAM	1	1	16.61	16.85	16.70	18.50
		25	12	17.02	16.71	17.01	18.50
	DFT-s-OFDM 256QAM	1	1	16.98	17.37	16.93	18.50
		25	12	17.13	17.37	16.83	18.50
CP-OFDM QPSK	1	1	17.02	17.27	17.11	18.50	
CP-OFDM 16QAM	1	1	16.53	17.11	16.96	18.50	
CP-OFDM 64QAM	1	1	16.68	16.69	17.08	18.50	
CP-OFDM 256QAM	1	1	16.99	16.85	16.97	18.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502200/2511	518598/2592.99	534996/2674.98	

30MHz	DFT-s-OFDM BPSK	1	1	17.02	17.10	16.95	18.50
		1	76	17.08	16.64	17.03	18.50
		36	18	17.11	17.14	17.41	18.50
		75	0	16.98	17.08	16.57	18.50
	DFT-s-OFDM QPSK	1	1	17.30	17.18	17.27	18.50
		1	76	16.72	16.76	17.03	18.50
		36	18	16.53	16.70	16.77	18.50
	DFT-s-OFDM 16QAM	75	0	16.80	17.18	17.31	18.50
		1	1	16.98	16.80	16.78	18.50
	DFT-s-OFDM 64QAM	36	18	16.71	16.85	16.86	18.50
		1	1	16.55	16.77	16.62	18.50
	DFT-s-OFDM 256QAM	36	18	17.10	16.59	16.93	18.50
		1	1	17.00	17.19	16.99	18.50
	CP-OFDM QPSK	36	18	17.25	17.29	16.69	18.50
CP-OFDM 16QAM	1	1	16.84	17.21	17.09	18.50	
CP-OFDM 64QAM	1	1	16.63	17.19	16.90	18.50	
CP-OFDM 256QAM	1	1	16.62	16.75	16.96	18.50	
CP-OFDM 256QAM	1	1	17.07	16.81	17.09	18.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				503202/2516.01	518598/2592.99	534000/2670	
40MHz	DFT-s-OFDM BPSK	1	1	17.14	16.94	17.01	18.50
		1	104	16.90	16.76	17.07	18.50
		50	25	16.95	17.18	17.29	18.50
		100	0	17.08	17.20	16.59	18.50
	DFT-s-OFDM QPSK	1	1	17.12	17.04	17.13	18.50
		1	104	16.82	16.82	17.05	18.50
		50	25	16.63	16.56	16.73	18.50
	DFT-s-OFDM 16QAM	100	0	16.70	17.00	17.17	18.50
		1	1	17.06	16.70	16.90	18.50
	DFT-s-OFDM 64QAM	50	25	16.79	16.71	16.90	18.50
		1	1	16.55	16.75	16.68	18.50
	DFT-s-OFDM 256QAM	50	25	17.20	16.80	16.89	18.50
		1	1	17.04	17.21	17.01	18.50
	CP-OFDM QPSK	50	25	17.09	17.21	16.81	18.50
CP-OFDM 16QAM	1	1	16.84	17.19	16.91	18.50	
CP-OFDM 64QAM	1	1	16.67	17.13	17.00	18.50	
CP-OFDM 64QAM	1	1	16.56	16.71	16.80	18.50	

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				504204/2521.02	518598/2592.99	532998/2664.99	
	CP-OFDM 256QAM	1	1	16.99	16.71	17.15	18.50
50MHz	DFT-s-OFDM BPSK	1	1	16.88	17.08	17.07	18.50
		1	131	17.04	16.90	16.97	18.50
		64	32	16.99	17.22	16.95	18.50
		128	0	17.26	17.36	16.89	18.50
	DFT-s-OFDM QPSK	1	1	16.98	17.02	17.15	18.50
		1	131	16.90	16.90	17.01	18.50
		64	32	16.83	16.76	16.81	18.50
	DFT-s-OFDM 16QAM	128	0	16.82	16.88	16.89	18.50
		1	1	17.39	16.82	16.82	18.50
	DFT-s-OFDM 64QAM	64	32	16.79	16.71	16.86	18.50
		1	1	16.69	16.77	16.60	18.50
	DFT-s-OFDM 256QAM	64	32	16.96	16.69	16.95	18.50
		1	1	16.72	17.29	16.99	18.50
	CP-OFDM QPSK	64	32	17.05	16.95	16.97	18.50
	CP-OFDM 16QAM	1	1	16.84	17.05	16.95	18.50
	CP-OFDM 16QAM	1	1	16.73	17.29	17.02	18.50
CP-OFDM 64QAM	1	1	16.76	16.79	16.54	18.50	
CP-OFDM 256QAM	1	1	17.01	16.85	17.17	18.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				505200/2526	518598/2595.99	531996/2659.98	
60MHz	DFT-s-OFDM BPSK	1	1	16.98	16.96	16.89	18.50
		1	160	16.72	16.90	16.67	18.50
		81	40	17.07	16.94	17.05	18.50
		162	0	17.18	17.34	16.83	18.50
	DFT-s-OFDM QPSK	1	1	16.96	16.72	16.85	18.50
		1	160	16.76	16.68	16.97	18.50
		81	40	16.89	16.70	16.79	18.50
	DFT-s-OFDM 16QAM	162	0	16.84	16.84	16.79	18.50
		1	1	17.29	16.82	16.72	18.50
	DFT-s-OFDM 64QAM	81	40	16.77	16.57	16.94	18.50
		1	1	16.72	16.77	16.83	18.50
	DFT-s-OFDM 256QAM	81	40	16.88	16.73	16.63	18.50
		1	1	16.66	16.95	16.83	18.50
	CP-OFDM QPSK	81	40	16.93	17.01	16.93	18.50
	CP-OFDM QPSK	1	1	16.70	16.91	17.05	18.50

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				507204/2536.02	518598/2595.99	529998/2649.99	
	CP-OFDM 16QAM	1	1	16.71	17.07	17.16	18.50
	CP-OFDM 64QAM	1	1	16.76	16.85	16.90	18.50
	CP-OFDM 256QAM	1	1	17.09	16.95	17.11	18.50
80MHz	DFT-s-OFDM BPSK	1	1	17.06	16.84	16.81	18.50
		1	215	17.10	16.88	17.01	18.50
		108	54	17.01	17.24	16.89	18.50
		216	0	17.04	17.24	16.81	18.50
	DFT-s-OFDM QPSK	1	1	17.10	16.98	17.11	18.50
		1	215	16.74	16.84	16.75	18.50
		108	54	17.07	16.72	17.05	18.50
		216	0	17.10	16.82	17.11	18.50
	DFT-s-OFDM 16QAM	1	1	17.43	17.04	16.96	18.50
		108	54	16.81	16.83	17.16	18.50
	DFT-s-OFDM 64QAM	1	1	16.71	16.80	16.58	18.50
		108	54	16.82	16.73	16.65	18.50
	DFT-s-OFDM 256QAM	1	1	16.94	17.29	17.13	18.50
		108	54	17.01	16.89	16.83	18.50
	CP-OFDM QPSK	1	1	16.88	16.87	17.09	18.50
	CP-OFDM 16QAM	1	1	16.99	17.09	17.06	18.50
	CP-OFDM 64QAM	1	1	16.90	16.89	16.55	18.50
	CP-OFDM 256QAM	1	1	17.09	17.15	17.05	18.50

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				508200/2541	518598/2595.99	528996/2644.98	
90MHz	DFT-s-OFDM BPSK	1	1	17.00	17.00	17.05	18.50
		1	243	17.06	16.96	16.85	18.50
		120	60	17.03	17.00	16.95	18.50
		243	0	17.24	17.18	16.75	18.50
	DFT-s-OFDM QPSK	1	1	17.06	17.06	17.01	18.50
		1	243	16.92	16.78	16.85	18.50
		120	60	16.85	16.66	16.99	18.50
	DFT-s-OFDM 16QAM	243	0	16.94	16.84	16.95	18.50
		1	1	17.15	16.94	16.92	18.50
	DFT-s-OFDM 64QAM	120	60	16.83	16.59	16.84	18.50
		1	1	16.51	16.75	16.82	18.50
	DFT-s-OFDM 256QAM	120	60	17.18	16.89	16.71	18.50
		1	1	16.70	17.21	16.97	18.50
	CP-OFDM QPSK	120	60	17.23	16.85	16.87	18.50
		1	1	16.78	16.91	16.91	18.50
		1	1	16.97	17.33	17.20	18.50
1		1	16.80	16.77	16.56	18.50	
CP-OFDM 16QAM	1	1	17.21	17.13	17.15	18.50	
	1	1	17.21	17.13	17.15	18.50	
CP-OFDM 64QAM	1	1	17.21	17.13	17.15	18.50	
	1	1	17.21	17.13	17.15	18.50	
CP-OFDM 256QAM	1	1	17.21	17.13	17.15	18.50	
	1	1	17.21	17.13	17.15	18.50	
CP-OFDM 256QAM	1	1	17.21	17.13	17.15	18.50	
	1	1	17.21	17.13	17.15	18.50	

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				509202/2546.01	518598/2592.99	528000/2640	
100MHz	DFT-s-OFDM BPSK	1	1	17.08	17.12	17.11	18.50
		1	271	16.94	17.02	17.13	18.50
		135	67	17.13	17.20	17.07	18.50
		270	0	17.34	17.32	17.09	18.50
	DFT-s-OFDM QPSK	1	1	17.12	17.10	17.13	18.50
		1	271	17.00	17.04	17.01	18.50
		135	67	17.03	17.08	17.03	18.50
	DFT-s-OFDM 16QAM	270	0	17.18	17.14	17.17	18.50
		1	1	17.29	17.16	17.14	18.50
	DFT-s-OFDM 64QAM	135	67	17.01	16.97	17.04	18.50
		1	1	16.81	16.83	16.84	18.50
	DFT-s-OFDM 256QAM	135	67	17.08	17.07	17.11	18.50
		1	1	17.14	17.17	17.09	18.50
	CP-OFDM QPSK	135	67	17.11	17.11	17.07	18.50
		1	1	17.06	17.07	17.11	18.50
	CP-OFDM 16QAM	1	1	17.13	17.17	17.14	18.50
1		1	17.13	17.17	17.14	18.50	

	CP-OFDM 64QAM	1	1	16.82	16.83	16.82	18.50
	CP-OFDM 256QAM	1	1	17.15	17.09	17.25	18.50

n66							
Pmax&Sensor off-Main Ant0				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	23.35	23.03	23.37	24.00
		1	23	23.11	23.27	23.46	24.00
		12	6	23.42	22.69	23.41	24.00
		25	0	22.50	21.86	22.25	23.00
	DFT-s-OFDM QPSK	1	1	22.93	23.11	23.07	24.00
		1	23	23.27	23.19	22.86	24.00
		12	6	23.14	23.01	22.99	24.00
	DFT-s-OFDM 16QAM	25	0	22.18	22.24	21.97	23.00
		1	1	21.73	21.89	21.69	22.50
	DFT-s-OFDM 64QAM	12	6	22.09	21.81	21.91	22.50
		1	1	20.18	20.44	20.22	21.50
	DFT-s-OFDM 256QAM	12	6	20.25	20.45	20.35	21.50
		1	1	18.30	17.96	18.48	19.50
	CP-OFDM QPSK	12	6	18.53	18.53	18.39	19.50
		1	1	22.87	22.85	22.77	23.50
	CP-OFDM 16QAM	1	1	22.22	21.56	21.82	22.50
1		1	20.26	20.40	20.20	20.50	
CP-OFDM 64QAM	1	1	17.18	17.14	17.18	17.50	
	1	1	17.18	17.14	17.18	17.50	
CP-OFDM 256QAM	1	1	17.18	17.14	17.18	17.50	
	1	1	17.18	17.14	17.18	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
10MHz	DFT-s-OFDM BPSK	1	1	343000/1715	349000/1745	355000/1775	24.00
		1	50	23.25	22.97	23.21	24.00
		25	12	23.15	23.23	23.48	24.00
		50	0	23.26	22.81	23.51	24.00
	DFT-s-OFDM QPSK	1	1	22.46	21.92	22.09	23.00
		1	1	22.87	23.17	22.97	24.00
		1	50	23.19	23.25	22.98	24.00
	DFT-s-OFDM 16QAM	25	12	23.00	23.11	23.01	24.00
		50	0	22.22	22.28	22.07	23.00
		1	1	21.71	21.81	21.73	22.50
	DFT-s-OFDM 256QAM	25	12	21.91	21.71	21.95	22.50
		1	1	20.30	20.34	20.22	21.50

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
	64QAM	25	12	20.35	20.45	20.39	21.50
	DFT-s-OFDM	1	1	18.40	17.88	18.14	19.50
	256QAM	25	12	18.33	18.31	18.13	19.50
	CP-OFDM QPSK	1	1	22.87	22.85	22.89	23.50
	CP-OFDM 16QAM	1	1	22.28	21.66	21.94	22.50
	CP-OFDM 64QAM	1	1	20.08	20.34	20.32	20.50
	CP-OFDM 256QAM	1	1	17.32	17.20	17.12	17.50
15MHz	DFT-s-OFDM BPSK	1	1	23.07	22.71	23.17	24.00
		1	77	23.07	23.19	23.34	24.00
		36	18	23.02	22.95	23.17	24.00
		75	0	22.20	22.02	22.11	23.00
	DFT-s-OFDM QPSK	1	1	23.03	22.83	23.05	24.00
		1	77	23.17	23.23	23.24	24.00
		36	18	23.02	22.87	23.19	24.00
	DFT-s-OFDM 16QAM	1	1	21.81	21.85	21.63	22.50
		36	18	21.75	21.81	21.77	22.50
	DFT-s-OFDM 64QAM	1	1	20.46	20.18	20.42	21.50
		36	18	20.29	20.55	20.41	21.50
	DFT-s-OFDM 256QAM	1	1	18.44	17.94	18.28	19.50
		36	18	18.47	18.57	18.19	19.50
	CP-OFDM QPSK	1	1	22.99	22.95	22.85	23.50
	CP-OFDM 16QAM	1	1	22.24	21.78	21.88	22.50
CP-OFDM 64QAM	1	1	20.30	20.40	20.14	20.50	
CP-OFDM 256QAM	1	1	17.30	17.10	16.98	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	23.11	22.73	23.17	24.00
		1	104	23.19	23.07	23.40	24.00
		50	25	22.96	22.87	23.11	24.00
		100	0	22.14	22.00	22.25	23.00
	DFT-s-OFDM QPSK	1	1	22.67	22.85	22.91	24.00
		1	104	23.17	23.09	23.12	24.00
		50	25	22.96	22.81	22.99	24.00

		100	0	21.88	21.96	22.07	23.00	
	DFT-s-OFDM	1	1	21.63	21.65	21.59	22.50	
	16QAM	50	25	21.83	21.87	21.61	22.50	
	DFT-s-OFDM	1	1	20.28	20.04	20.34	21.50	
	64QAM	50	25	20.45	20.31	20.29	21.50	
	DFT-s-OFDM	1	1	18.46	18.20	18.18	19.50	
	256QAM	50	25	18.41	18.41	18.13	19.50	
	CP-OFDM	1	1	22.81	22.83	22.99	23.50	
	QPSK							
CP-OFDM	1	1	21.96	21.62	21.74	22.50		
16QAM								
CP-OFDM	1	1	20.36	20.08	20.26	20.50		
64QAM								
CP-OFDM	1	1	17.32	17.34	17.24	17.50		
256QAM								
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up	
				344500/1722.5	349000/1745	353500/1767.5		
25MHz	DFT-s-OFDM	BPSK	1	1	23.27	22.73	23.11	24.00
			1	131	23.05	23.37	23.24	24.00
			64	32	22.92	22.95	23.03	24.00
			128	0	22.34	22.20	22.17	23.00
	DFT-s-OFDM	QPSK	1	1	22.89	23.07	22.97	24.00
			1	131	22.99	23.13	23.08	24.00
			64	32	23.00	23.09	23.41	24.00
			128	0	22.18	22.06	22.07	23.00
	DFT-s-OFDM	16QAM	1	1	21.95	21.71	21.49	22.50
			64	32	21.87	21.71	21.61	22.50
	DFT-s-OFDM	64QAM	1	1	20.30	20.32	20.24	21.50
			64	32	20.53	20.41	20.53	21.50
	DFT-s-OFDM	256QAM	1	1	18.26	18.00	18.32	19.50
			64	32	18.51	18.43	18.29	19.50
	CP-OFDM	QPSK	1	1	22.91	23.05	23.17	23.50
	CP-OFDM	16QAM	1	1	22.30	21.82	21.80	22.50
	CP-OFDM	64QAM	1	1	20.42	20.24	20.08	20.50
	CP-OFDM	256QAM	1	1	17.30	17.28	17.18	17.50

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				345000/1725	349000/1745	353000/1765	
30MHz	DFT-s-OFDM BPSK	1	1	23.13	22.89	23.39	24.00
		1	158	23.19	23.13	23.36	24.00
		80	40	23.10	23.15	23.33	24.00
		160	0	22.38	22.26	22.17	23.00
	DFT-s-OFDM QPSK	1	1	22.83	22.97	23.19	24.00
		1	158	23.29	23.25	23.20	24.00
		80	40	23.22	23.07	23.09	24.00
	DFT-s-OFDM 16QAM	160	0	22.00	21.96	22.11	23.00
		1	1	21.75	21.77	21.61	22.50
	DFT-s-OFDM 64QAM	80	40	21.83	21.81	21.91	22.50
		1	1	20.52	20.12	20.30	21.50
	DFT-s-OFDM 256QAM	80	40	20.25	20.39	20.41	21.50
		1	1	18.38	18.22	18.38	19.50
	CP-OFDM QPSK	80	40	18.33	18.25	18.03	19.50
		1	1	22.99	22.89	22.95	23.50
	CP-OFDM 16QAM	1	1	22.18	21.74	21.86	22.50
1		1	20.42	20.32	20.14	20.50	
CP-OFDM 64QAM	1	1	17.20	17.36	17.34	17.50	
	1	1	17.20	17.36	17.34	17.50	
CP-OFDM 256QAM	1	1	17.20	17.36	17.34	17.50	
	1	1	17.20	17.36	17.34	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
40MHz	DFT-s-OFDM BPSK	1	1	23.05	22.81	23.25	24.00
		1	214	23.13	23.25	23.30	24.00
		108	54	23.02	22.97	23.21	24.00
		216	0	22.24	22.10	22.15	23.00
	DFT-s-OFDM QPSK	1	1	22.87	22.87	23.07	24.00
		1	214	23.13	23.07	23.14	24.00
		108	54	23.12	22.97	23.19	24.00
	DFT-s-OFDM 16QAM	216	0	22.06	22.02	22.09	23.00
		1	1	21.79	21.71	21.67	22.50
		108	54	21.85	21.85	21.79	22.50
	DFT-s-OFDM 64QAM	1	1	20.40	20.22	20.38	21.50
		108	54	20.35	20.45	20.35	21.50
	DFT-s-OFDM 256QAM	1	1	18.38	18.12	18.22	19.50
		108	54	18.33	18.27	18.11	19.50
	CP-OFDM QPSK	1	1	22.91	22.85	22.95	23.50
		1	1	22.08	21.80	21.94	22.50
	CP-OFDM 16QAM	1	1	22.08	21.80	21.94	22.50
		1	1	22.08	21.80	21.94	22.50

	CP-OFDM 64QAM	1	1	20.30	20.26	20.24	20.50
	CP-OFDM 256QAM	1	1	17.36	17.06	17.08	17.50

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Sensor on--Main Ant0				Maximum Output Power (dBm)			Tune-up			
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)						
				342500/1712.5	349000/1745	355500/1777.5				
5MHz	DFT-s-OFDM BPSK	1	1	15.20	15.47	15.20	16.00			
		1	23	15.26	14.98	15.21	16.00			
		12	6	14.85	15.27	15.55	16.00			
		25	0	15.30	15.14	15.67	16.00			
	DFT-s-OFDM QPSK	1	1	14.94	15.37	15.54	16.00			
		1	23	15.36	15.49	14.99	16.00			
		12	6	15.01	15.19	15.46	16.00			
	DFT-s-OFDM 16QAM	25	0	15.52	15.61	15.26	16.00			
		1	1	15.98	15.60	15.31	16.00			
	DFT-s-OFDM 64QAM	12	6	15.28	15.52	15.44	16.00			
		1	1	15.07	15.14	14.88	16.00			
	DFT-s-OFDM 256QAM	12	6	15.06	15.59	15.46	16.00			
		1	1	15.02	15.01	15.38	16.00			
	CP-OFDM QPSK	12	6	14.85	15.04	14.77	16.00			
	CP-OFDM 16QAM	1	1	15.40	15.05	15.31	16.00			
	CP-OFDM 16QAM	1	1	15.50	15.17	15.10	16.00			
CP-OFDM 64QAM	1	1	15.15	15.47	15.28	16.00				
CP-OFDM 256QAM	1	1	15.49	15.46	15.62	16.00				
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up			
10MHz	DFT-s-OFDM BPSK	343000/1715	349000/1745	355000/1775	1	1	15.34	15.43	15.16	16.00
		1	50	15.30	14.96	15.07	16.00			
		25	12	14.83	15.35	15.53	16.00			
		50	0	15.52	15.24	15.47	16.00			
	DFT-s-OFDM QPSK	1	1	15.16	15.19	15.34	16.00			
		1	50	15.36	15.57	15.23	16.00			
		25	12	15.25	15.31	15.62	16.00			
	DFT-s-OFDM 16QAM	50	0	15.24	15.53	15.34	16.00			
		1	1	15.84	15.70	15.47	16.00			
		25	12	15.08	15.38	15.42	16.00			
	DFT-s-OFDM	1	1	15.17	15.26	15.00	16.00			

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
	64QAM	25	12	15.20	15.37	15.36	16.00
	DFT-s-OFDM	1	1	15.14	15.25	15.46	16.00
	256QAM	25	12	14.87	14.82	14.65	16.00
	CP-OFDM QPSK	1	1	15.46	15.03	15.25	16.00
	CP-OFDM 16QAM	1	1	15.52	15.07	15.24	16.00
	CP-OFDM 64QAM	1	1	15.07	15.53	15.44	16.00
	CP-OFDM 256QAM	1	1	15.59	15.48	15.76	16.00
15MHz	DFT-s-OFDM BPSK	1	1	15.16	15.37	15.06	16.00
		1	77	15.14	15.02	15.03	16.00
		36	18	14.87	15.17	15.37	16.00
		75	0	15.40	15.32	15.47	16.00
	DFT-s-OFDM QPSK	1	1	15.06	15.19	15.46	16.00
		1	77	15.20	15.41	15.15	16.00
		36	18	15.13	15.27	15.44	16.00
	DFT-s-OFDM 16QAM	1	1	15.90	15.70	15.41	16.00
		36	18	15.20	15.34	15.52	16.00
	DFT-s-OFDM 64QAM	1	1	15.17	15.28	15.06	16.00
		36	18	15.24	15.45	15.34	16.00
	DFT-s-OFDM 256QAM	1	1	14.98	15.11	15.28	16.00
		36	18	14.73	14.92	14.71	16.00
	CP-OFDM QPSK	1	1	15.32	15.15	15.35	16.00
	CP-OFDM 16QAM	1	1	15.42	14.95	15.22	16.00
CP-OFDM 64QAM	1	1	15.15	15.39	15.42	16.00	
CP-OFDM 256QAM	1	1	15.41	15.32	15.58	16.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	14.94	15.17	14.94	16.00
		1	104	14.68	14.94	15.07	16.00
		50	25	14.99	15.23	15.13	16.00
		100	0	15.42	15.34	15.33	16.00
	DFT-s-OFDM QPSK	1	1	15.16	15.19	15.44	16.00
		1	104	15.28	15.33	15.35	16.00
		50	25	15.15	15.03	15.62	16.00

		100	0	15.02	15.33	15.00	16.00
	DFT-s-OFDM 16QAM	1	1	15.78	15.50	15.31	16.00
		50	25	15.30	15.48	15.36	16.00
	DFT-s-OFDM 64QAM	1	1	14.91	15.28	14.86	16.00
		50	25	15.54	15.65	15.14	16.00
	DFT-s-OFDM 256QAM	1	1	14.90	14.97	15.30	16.00
		50	25	14.77	14.98	14.67	16.00
	CP-OFDM QPSK	1	1	15.40	15.11	15.09	16.00
	CP-OFDM 16QAM	1	1	15.12	15.13	15.40	16.00
CP-OFDM 64QAM	1	1	15.47	15.33	15.46	16.00	
CP-OFDM 256QAM	1	1	15.17	15.22	15.56	16.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344500/1722.5	349000/1745	353500/1767.5	
25MHz	DFT-s-OFDM BPSK	1	1	14.98	15.29	15.20	16.00
		1	131	15.04	14.94	14.95	16.00
		64	32	15.13	15.25	15.29	16.00
		128	0	15.28	15.58	15.39	16.00
	DFT-s-OFDM QPSK	1	1	15.04	15.27	15.42	16.00
		1	131	15.18	15.13	15.35	16.00
		64	32	15.31	15.39	15.22	16.00
	DFT-s-OFDM 16QAM	128	0	15.28	15.47	15.48	16.00
		1	1	15.68	15.72	15.15	16.00
		64	32	15.16	15.40	15.48	16.00
	DFT-s-OFDM 64QAM	1	1	15.07	15.22	15.00	16.00
		64	32	15.52	15.35	15.50	16.00
	DFT-s-OFDM 256QAM	1	1	15.04	15.27	15.12	16.00
		64	32	14.67	14.84	14.87	16.00
	CP-OFDM QPSK	1	1	15.44	15.35	15.43	16.00
	CP-OFDM 16QAM	1	1	15.28	15.15	15.26	16.00
CP-OFDM 64QAM	1	1	15.23	15.41	15.50	16.00	
CP-OFDM 256QAM	1	1	15.15	15.28	15.38	16.00	

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				345000/1725	349000/1745	353000/1765	
30MHz	DFT-s-OFDM BPSK	1	1	15.14	15.53	14.86	16.00
		1	158	15.10	15.04	15.07	16.00
		80	40	14.87	15.37	15.41	16.00
		160	0	15.14	15.28	15.31	16.00
	DFT-s-OFDM QPSK	1	1	15.10	15.45	15.36	16.00
		1	158	15.38	15.25	15.33	16.00
		80	40	15.19	15.51	15.54	16.00
	DFT-s-OFDM 16QAM	160	0	15.46	15.35	15.30	16.00
		1	1	15.66	15.76	15.47	16.00
	DFT-s-OFDM 64QAM	80	40	15.28	15.46	15.34	16.00
		1	1	15.17	15.26	15.02	16.00
	DFT-s-OFDM 256QAM	80	40	15.24	15.51	15.42	16.00
		1	1	15.00	15.17	15.26	16.00
	CP-OFDM QPSK	80	40	14.87	14.96	14.69	16.00
		1	1	15.44	15.33	15.35	16.00
		1	1	15.28	15.15	15.38	16.00
1		1	15.13	15.29	15.48	16.00	
CP-OFDM 16QAM	1	1	15.19	15.24	15.38	16.00	
	1	1	15.13	15.29	15.48	16.00	
CP-OFDM 64QAM	1	1	15.13	15.29	15.48	16.00	
	1	1	15.19	15.24	15.38	16.00	
CP-OFDM 256QAM	1	1	15.19	15.24	15.38	16.00	
	1	1	15.19	15.24	15.38	16.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
40MHz	DFT-s-OFDM BPSK	1	1	346000/1730	349000/1745	352000/1760	16.00
		1	214	15.12	15.35	14.98	16.00
		108	54	14.98	15.08	15.09	16.00
		216	0	14.93	15.25	15.25	16.00
	DFT-s-OFDM QPSK	216	0	15.24	15.38	15.33	16.00
		1	1	15.14	15.27	15.38	16.00
		1	214	15.30	15.31	15.23	16.00
	DFT-s-OFDM 16QAM	108	54	15.09	15.33	15.36	16.00
		216	0	15.30	15.33	15.26	16.00
		1	1	15.76	15.60	15.31	16.00
	DFT-s-OFDM 64QAM	108	54	15.18	15.40	15.36	16.00
		1	1	15.05	15.20	15.08	16.00
	DFT-s-OFDM 256QAM	108	54	15.34	15.43	15.28	16.00
		1	1	15.00	15.17	15.22	16.00
	CP-OFDM QPSK	108	54	14.73	14.86	14.81	16.00
		1	1	15.40	15.21	15.29	16.00
CP-OFDM 16QAM	1	1	15.30	15.05	15.32	16.00	
	1	1	15.30	15.05	15.32	16.00	

	CP-OFDM 64QAM	1	1	15.13	15.23	15.40	16.00
	CP-OFDM 256QAM	1	1	15.25	15.24	15.44	16.00

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Pmax&Sensor off&Sensor on-Main Ant2				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				133100/665.5	136100/680.5	139100/695.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.78	22.29	22.43	24.00
		1	23	22.46	22.87	22.52	24.00
		12	6	22.83	22.89	22.83	24.00
		25	0	21.50	21.50	21.68	23.00
	DFT-s-OFDM QPSK	1	1	22.66	22.35	22.59	24.00
		1	23	22.66	22.69	22.52	24.00
		12	6	22.57	22.69	22.59	24.00
	DFT-s-OFDM 16QAM	25	0	21.52	21.52	21.50	23.00
		1	1	21.17	21.48	21.23	22.50
	DFT-s-OFDM 64QAM	12	6	21.56	21.25	21.59	22.50
		1	1	19.64	19.72	19.96	21.50
	DFT-s-OFDM 256QAM	12	6	20.29	20.24	20.20	21.50
		1	1	18.43	18.88	18.43	19.50
	CP-OFDM QPSK	12	6	18.82	18.61	19.01	19.50
		1	1	22.57	22.47	22.26	23.00
	CP-OFDM 16QAM	1	1	21.68	21.39	21.54	22.00
1		1	19.94	20.06	20.42	20.50	
CP-OFDM 64QAM	1	1	17.36	17.26	17.20	17.50	
	1	1					
CP-OFDM 256QAM	1	1					
	1	1					
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
10MHz	DFT-s-OFDM BPSK	1	1	22.64	22.37	22.71	24.00
		1	50	22.76	22.73	22.46	24.00
		25	12	22.75	22.75	22.73	24.00
		50	0	21.48	21.78	21.92	23.00
	DFT-s-OFDM QPSK	1	1	22.66	22.53	22.39	24.00
		1	50	22.60	22.77	22.76	24.00
		25	12	22.79	22.71	22.85	24.00
	DFT-s-OFDM 16QAM	50	0	21.60	21.78	21.84	23.00
		1	1	21.49	21.50	21.51	22.50
	DFT-s-OFDM 256QAM	25	12	21.82	21.17	21.83	22.50
		1	1	19.66	19.98	20.12	21.50

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134100/670.5	136100/680.5	138100/690.5	
	64QAM	25	12	20.23	20.40	20.16	21.50
	DFT-s-OFDM	1	1	18.47	18.64	18.63	19.50
	256QAM	25	12	18.86	18.41	19.03	19.50
	CP-OFDM QPSK	1	1	22.67	22.77	22.32	23.00
	CP-OFDM 16QAM	1	1	21.76	21.47	21.62	22.00
	CP-OFDM 64QAM	1	1	19.94	20.34	20.26	20.50
	CP-OFDM 256QAM	1	1	17.34	17.36	17.42	17.50
15MHz	DFT-s-OFDM BPSK	1	1	22.92	22.45	22.49	24.00
		1	77	22.76	22.77	22.44	24.00
		36	18	22.77	23.03	23.05	24.00
		75	0	21.70	21.44	21.76	23.00
	DFT-s-OFDM QPSK	1	1	22.72	22.59	22.53	24.00
		1	77	22.68	22.73	22.76	24.00
		36	18	22.63	22.79	22.83	24.00
	DFT-s-OFDM 16QAM	75	0	21.72	21.70	21.62	23.00
		1	1	21.47	21.36	21.27	22.50
	DFT-s-OFDM 64QAM	36	18	21.74	21.19	21.71	22.50
		1	1	20.02	19.86	19.82	21.50
	DFT-s-OFDM 256QAM	18	9	20.23	20.34	20.34	21.50
		1	1	18.65	18.70	18.67	19.50
	CP-OFDM QPSK	36	18	18.84	18.57	18.79	19.50
		1	1	22.45	22.71	22.46	23.00
CP-OFDM 16QAM	1	1	21.76	21.35	21.50	22.00	
CP-OFDM 64QAM	1	1	20.02	20.24	20.48	20.50	
CP-OFDM 256QAM	1	1	17.38	17.40	17.24	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134600/673	136100/680.5	137600/688	
20MHz	DFT-s-OFDM BPSK	1	1	22.76	22.47	22.57	24.00
		1	104	22.64	22.79	22.52	24.00
		50	25	22.89	22.93	22.91	24.00
		100	0	21.62	21.56	21.72	23.00
	DFT-s-OFDM QPSK	1	1	22.58	22.55	22.55	24.00
		1	104	22.72	22.61	22.64	24.00
		50	25	22.73	22.75	22.73	24.00

		100	0	21.66	21.64	21.64	23.00
	DFT-s-OFDM	1	1	21.29	21.40	21.29	22.50
	16QAM	50	25	21.70	21.23	21.69	22.50
	DFT-s-OFDM	1	1	19.84	19.88	19.90	21.50
	64QAM	50	25	20.23	20.18	20.22	21.50
	DFT-s-OFDM	1	1	18.55	18.50	18.55	19.50
	256QAM	50	25	18.80	18.41	19.03	19.50
	CP-OFDM	1	1	22.51	22.55	22.44	23.00
	QPSK						
	CP-OFDM	1	1	21.84	21.45	21.60	22.00
	16QAM						
	CP-OFDM	1	1	20.10	20.24	20.38	20.50
	64QAM						
	CP-OFDM	1	1	17.14	17.38	17.22	17.50
	256QAM						

9.5 WLAN Mode

Wi-Fi 2.4GHz Pmax&Sensor off-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11b (1M)	1/2412	19.50	18.12
	6/2437	19.50	18.81
	11/2462	19.50	18.49
802.11g (6M)	1/2412	19.00	17.21
	6/2437	19.00	17.43
	11/2462	18.00	16.40
802.11n-HT20 (MCS0)	1/2412	18.00	16.22
	6/2437	18.00	16.35
	11/2462	18.00	16.22
802.11n-HT40 (MCS0)	3/2422	16.00	14.51
	6/2437	16.00	14.48
	9/2452	16.00	14.58

Note: Initial test configuration is 802.11b mode.

Wi-Fi 2.4GHz Sensor on-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11b (1M)	1/2412	13.50	12.54
	6/2437	13.50	12.95
	11/2462	13.50	12.84
802.11g (6M)	1/2412	13.00	12.61
	6/2437	13.00	12.29
	11/2462	13.00	12.13
802.11n-HT20 (MCS0)	1/2412	13.00	12.56
	6/2437	13.00	12.16
	11/2462	13.00	12.05
802.11n-HT40 (MCS0)	3/2422	13.00	12.31
	6/2437	13.00	12.10
	9/2452	13.00	12.16

Note: Initial test configuration is 802.11b mode.

Wi-Fi 5GHz (U-NII-1) Pmax&Sensor off-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	36/5180	19.00	17.41
	40/5200	19.00	17.35
	44/5220	19.00	17.22
	48/5240	19.00	17.32
802.11n-HT20 (MCS0)	36/5180	19.00	17.24
	40/5200	19.00	17.20
	44/5220	19.00	17.17
	48/5240	19.00	17.16
802.11n-HT40 (MCS0)	38/5190	17.00	15.03
	46/5230	17.00	15.01
802.11ac-VHT20 (MCS0)	36/5180	17.00	15.41
	40/5200	17.00	15.32
	44/5220	17.00	15.35
802.11ac-VHT40 (MCS0)	48/5240	17.00	15.31
	38/5190	16.00	14.20
802.11ac-VHT80 (MCS0)	46/5230	16.00	14.16
	42/5210	15.00	13.22

Note. Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz (U-NII-1) Sensor on-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	36/5180	13.00	11.83
	40/5200	13.00	11.73
	44/5220	13.00	11.75
	48/5240	13.00	11.69
802.11n-HT20 (MCS0)	36/5180	12.50	11.20
	40/5200	12.50	11.13
	44/5220	12.50	11.08
	48/5240	12.50	11.05
802.11n-HT40 (MCS0)	38/5190	12.50	11.13
	46/5230	12.50	11.08
802.11ac-VHT20 (MCS0)	36/5180	12.50	11.19
	40/5200	12.50	11.10
	44/5220	12.50	11.07

	48/5240	12.50	11.08
802.11ac-VHT40 (MCS0)	38/5190	12.50	11.06
	46/5230	12.50	11.10
802.11ac-VHT80 (MCS0)	42/5210	12.50	11.06
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.			

Wi-Fi 5GHz (U-NII-2A) Pmax&Sensor off-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	52/5260	19.00	17.32
	56/5280	19.00	17.26
	60/5300	19.00	17.60
	64/5320	19.00	17.39
802.11n-HT20 (MCS0)	52/5260	19.00	17.28
	56/5280	19.00	17.20
	60/5300	19.00	17.22
	64/5320	19.00	17.34
802.11n-HT40 (MCS0)	54/5270	17.00	15.02
	62/5310	17.00	15.10
802.11ac-VHT20 (MCS0)	52/5260	17.00	15.22
	56/5280	17.00	15.19
	60/5300	17.00	15.22
	64/5320	17.00	15.20
802.11ac-VHT40 (MCS0)	54/5270	16.00	14.30
	62/5310	16.00	14.21
802.11ac-VHT80 (MCS0)	58/5290	15.00	13.25
Note. Initial test configuration is 802.11a mode, since the highest maximum output power.			

Wi-Fi 5GHz (U-NII-2A) Sensor on-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	52/5260	13.00	12.15
	56/5280	13.00	11.90
	60/5300	13.00	12.18
	64/5320	13.00	12.03
802.11n-HT20	52/5260	12.50	11.11

(MCS0)	56/5280	12.50	11.16
	60/5300	12.50	11.18
	64/5320	12.50	11.24
802.11n-HT40 (MCS0)	54/5270	12.50	11.02
	62/5310	12.50	11.13
802.11ac-VHT20 (MCS0)	52/5260	12.50	11.13
	56/5280	12.50	11.16
	60/5300	12.50	11.18
	64/5320	12.50	11.21
802.11ac-VHT40 (MCS0)	54/5270	12.50	11.02
	62/5310	12.50	11.14
802.11ac-VHT80 (MCS0)	58/5290	12.50	11.09

Note. Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz (U-NII-2C) Pmax&Sensor off-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	100/5500	15.50	14.07
	116/5580	19.00	17.85
	120/5600	19.00	17.80
	132/5660	19.00	17.32
	140/5700	17.00	15.73
802.11n-HT20 (MCS0)	100/5500	15.50	13.94
	116/5580	19.00	17.56
	132/5660	19.00	17.50
	140/5700	17.00	15.62
802.11n-HT40 (MCS0)	102/5510	15.00	13.22
	110/5550	17.00	15.25
	118/5590	17.00	15.22
	134/5670	17.00	15.23
802.11ac-VHT20 (MCS0)	100/5500	16.00	14.46
	116/5580	17.00	15.50
	132/5660	17.00	15.54
	140/5700	16.00	14.63
802.11ac-VHT40 (MCS0)	102/5510	14.00	12.22
	110/5550	16.00	14.55
	118/5590	16.00	14.50
	134/5670	16.00	14.44

802.11ac-VHT80 (MCS0)	106/5530	15.00	13.34
	122/5610	15.00	13.40

Note. Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz (U-NII-2C) Sensor on-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	100/5500	13.00	12.07
	116/5580	13.00	11.87
	120/5600	13.00	12.02
	132/5660	13.00	12.11
	140/5700	13.00	11.98
802.11n-HT20 (MCS0)	100/5500	12.50	11.36
	116/5580	12.50	11.23
	132/5660	12.50	11.47
	140/5700	12.50	11.63
802.11n-HT40 (MCS0)	102/5510	12.50	11.33
	110/5550	12.50	11.19
	118/5590	12.50	11.19
	134/5670	12.50	11.41
802.11ac-VHT20 (MCS0)	100/5500	12.50	11.37
	116/5580	12.50	11.26
	132/5660	12.50	11.45
	140/5700	12.50	11.61
802.11ac-VHT40 (MCS0)	102/5510	12.50	11.26
	110/5550	12.50	11.18
	118/5590	12.50	11.19
	134/5670	12.50	11.42
802.11ac-VHT80 (MCS0)	106/5530	12.50	11.36
	122/5610	12.50	11.17

Note. Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz (U-NII-3) Pmax&Sensor off-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	149/5745	19.00	17.55
	157/5785	19.00	17.47
	165/5825	19.00	17.45
802.11n-HT20	149/5745	19.00	17.45

(MCS0)	157/5785	19.00	17.43
	165/5825	19.00	17.47
802.11n-HT40 (MCS0)	151/5755	17.00	15.42
	159/5795	17.00	15.40
802.11ac-VHT20 (MCS0)	149/5745	17.00	15.52
	157/5785	17.00	15.55
	165/5825	17.00	15.62
802.11ac-VHT40 (MCS0)	151/5755	16.00	14.51
	159/5795	16.00	14.61
802.11ac-VHT80 (MCS0)	155/5775	15.00	13.31

Note. Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz (U-NII-3) Sensor on-Ant6 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	149/5745	13.50	12.96
	157/5785	13.50	12.90
	165/5825	13.50	12.88
802.11n-HT20 (MCS0)	149/5745	13.00	12.31
	157/5785	13.00	12.45
	165/5825	13.00	12.41
802.11n-HT40 (MCS0)	151/5755	13.00	12.27
	159/5795	13.00	12.33
802.11ac-VHT20 (MCS0)	149/5745	13.00	12.37
	157/5785	13.00	12.41
	165/5825	13.00	12.36
802.11ac-VHT40 (MCS0)	151/5755	13.00	12.27
	159/5795	13.00	12.33
802.11ac-VHT80 (MCS0)	155/5775	13.00	12.33

Note. Initial test configuration is 802.11a mode, since the highest maximum output power.

9.6 Bluetooth Mode

Bluetooth Pmax&Sensor off-Ant6	Conducted Power(dBm)			Tune-up Limit (dBm)
	Channel/Frequency(MHz)			
	Ch 0/2402 MHz	Ch 39/2441 MHz	Ch 78/2480 MHz	
GFSK	6.96	8.07	6.52	8.50
$\pi/4$ DQPSK	4.57	5.77	4.09	6.50
8DPSK	4.59	5.76	4.07	6.50
BLE Pmax&Sensor off-Ant6	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	Tune-up Limit (dBm)
GFSK(1M)	-5.37	-4.34	-5.81	0.00
GFSK(2M)	-6.99	-6.09	-7.49	0.00

10 Measured and Reported (Scaled) SAR Results

10.1 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 $\leq 1/4$ 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).
5. 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) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - b) ≤ 0.6 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) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz. When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

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	ANT0	Back Side	0	4TX Slots	Sensor on	N/A	N/A	190/836.6	25.50	24.42	0.961	-0.050	1.28	1.232	20
		Back Side	0	4TX Slots	Sensor on	N/A	N/A	128/824.2	25.50	24.52	0.936	0.037	1.25	1.173	/
		Back Side	0	4TX Slots	Sensor on	N/A	N/A	251/848.8	25.50	24.78	0.615	0.060	1.18	0.726	/
		Back Side	0	4TX Slots	Sensor on	N/A	N/A	190/836.6	25.50	24.42	0.953	0.033	1.28	1.222	/
		Front Side	0	4TX Slots	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	4TX Slots	Sensor off	N/A	N/A	190/836.6	29.50	28.44	0.093	0.029	1.28	0.119	/
		Right Edge	0	4TX Slots	Sensor off	N/A	N/A	190/836.6	29.50	28.44	0.880	0.100	1.28	1.123	/
		Right Edge	0	4TX Slots	Sensor off	N/A	N/A	128/824.2	29.50	28.42	0.747	0.036	1.28	0.958	/
		Right Edge	0	4TX Slots	Sensor off	N/A	N/A	251/848.8	29.50	28.86	0.833	-0.014	1.16	0.965	/
		Top Edge	0	4TX Slots	Sensor on	N/A	N/A	190/836.6	25.50	24.42	0.482	0.030	1.28	0.618	/
Bottom Edge	0	4TX Slots	Sensor off	N/A	N/A	190/836.6	29.50	28.44	0.085	0.012	1.28	0.108	/		
GSM 1900	ANT0	Back Side	0	4TX Slots	Sensor on	N/A	N/A	661/1880	19.00	17.94	0.914	-0.060	1.28	1.167	21
		Back Side	0	4TX Slots	Sensor on	N/A	N/A	512/1850.2	19.00	17.26	0.779	0.060	1.49	1.163	/
		Back Side	0	4TX Slots	Sensor on	N/A	N/A	810/1909.8	19.00	18.24	0.902	-0.039	1.19	1.075	/
		Front Side	0	4TX Slots	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Left Edge	0	4TX Slots	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	4TX Slots	N/A	N/A	N/A	661/1880	26.50	25.31	0.355	-0.051	1.32	0.467	/
		Top Edge	0	4TX Slots	Sensor on	N/A	N/A	661/1880	19.00	17.94	0.597	0.080	1.28	0.762	/

		Bottom Edge	0	4TX Slots	Sensor off	N/A	N/A	661/1880	26.50	25.31	0.072	0.090	1.32	0.095	/
WCDMA II	ANTO	Back Side	0	RMC	Sensor on	N/A	N/A	9400/1880	14.00	13.35	0.865	0.100	1.16	1.005	/
		Back Side	0	RMC	Sensor on	N/A	N/A	9262/1852.4	14.00	13.46	1.130	-0.050	1.13	1.280	22
		Back Side	0	RMC	Sensor on	N/A	N/A	9538/1907.6	14.00	13.42	0.789	0.020	1.14	0.902	/
		Back Side Repeat	0	RMC	Sensor on	N/A	N/A	9262/1852.4	14.00	13.46	1.040	0.090	1.13	1.178	/
		Front Side	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Right Edge	0	RMC	Sensor off	N/A	N/A	9400/1880	24.00	23.23	0.546	0.100	1.19	0.652	/
		Top Edge	0	RMC	Sensor on	N/A	N/A	9400/1880	14.00	13.35	0.512	0.038	1.16	0.595	/
		Bottom Edge	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
WCDMA IV	ANTO	Back Side	0	RMC	Sensor on	N/A	N/A	1413/1732.6	14.00	12.68	0.725	0.019	1.36	0.983	23
		Back Side	0	RMC	Sensor on	N/A	N/A	1312/1712.4	14.00	13.05	0.697	0.021	1.24	0.867	/
		Back Side	0	RMC	Sensor on	N/A	N/A	1513/1752.6	14.00	12.68	0.722	-0.045	1.36	0.978	/
		Front Side	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Right Edge	0	RMC	Sensor off	N/A	N/A	1413/1732.6	24.00	23.25	0.310	0.038	1.19	0.368	/
		Top Edge	0	RMC	Sensor on	N/A	N/A	1413/1732.6	14.00	12.68	0.516	0.030	1.36	0.699	/
		Bottom Edge	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
WCDMA V	ANTO	Back Side	0	RMC	Sensor on	N/A	N/A	4183/836.6	22.00	20.92	0.644	0.011	1.28	0.826	/
		Back Side	0	RMC	Sensor on	N/A	N/A	4132/826.4	22.00	21.05	0.822	0.026	1.24	1.023	/
		Back Side	0	RMC	Sensor on	N/A	N/A	4233/846.6	22.00	20.82	0.764	0.010	1.31	1.003	/
		Back Side Repeat	0	RMC	Sensor on	N/A	N/A	4132/826.4	22.00	21.05	0.832	-0.040	1.24	1.035	24
		Front Side	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Right Edge	0	RMC	Sensor off	N/A	N/A	4183/836.6	24.00	22.90	0.619	0.097	1.29	0.797	/
		Top Edge	0	RMC	Sensor on	N/A	N/A	4183/836.6	22.00	20.92	0.339	0.042	1.28	0.435	/
		Bottom Edge	0	RMC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE 2	ANTO		0	QPSK	Sensor on	1	50	18700/1860	14.00	12.79	0.960	0.044	1.32	1.268	/
			0	QPSK	Sensor on	50%	0	18700/1860	14.00	13.22	1.070	-0.080	1.20	1.281	25
			0	QPSK	Sensor on	100%	0	18700/1860	14.00	12.97	1.010	0.025	1.27	1.280	/
			0	QPSK	Sensor on	1	50	18900/1880	14.00	12.68	0.900	-0.030	1.36	1.220	/
		Back Side	0	QPSK	Sensor on	1	0	19100/1900	14.00	12.64	0.849	0.026	1.37	1.161	/
			0	QPSK	Sensor on	50%	0	18900/1880	14.00	12.93	0.999	-0.016	1.28	1.278	/
			0	QPSK	Sensor on	50%	0	19100/1900	14.00	12.71	0.879	0.080	1.35	1.183	/
			0	QPSK	Sensor on	100%	0	18900/1880	14.00	12.92	0.996	0.025	1.28	1.277	/
			0	QPSK	Sensor on	100%	0	19100/1900	14.00	12.66	0.867	-0.010	1.36	1.180	/
		Back Side Repeat	0	QPSK	Sensor on	50%	0	18700/1860	14.00	13.22	1.030	0.027	1.20	1.233	/
		Front Side	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Right Edge	0	QPSK	Sensor off	1	0	18700/1860	24.00	23.70	0.557	0.040	1.07	0.597	/

		Top Edge	0	QPSK	Sensor off	50%	0	18700/1860	23.00	22.79	0.453	0.017	1.05	0.475	/			
			0	QPSK	Sensor on	1	50	18700/1860	14.00	12.79	0.695	-0.020	1.32	0.918	/			
			0	QPSK	Sensor on	1	50	18900/1880	14.00	12.68	0.667	0.080	1.36	0.904	/			
			0	QPSK	Sensor on	1	0	19100/1900	14.00	12.64	0.553	0.120	1.37	0.756	/			
			0	QPSK	Sensor on	50%	0	18700/1860	14.00	13.22	0.641	0.090	1.20	0.767	/			
		Bottom Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	N/A	N/A	/			
			LTE 5	ANT0	Back Side	0	QPSK	Sensor on	1	0	20450/829	22.00	20.91	0.744	0.080	1.29	0.956	/
						0	QPSK	Sensor on	50%	25	20450/829	22.00	20.91	0.756	-0.020	1.29	0.972	26
						0	QPSK	Sensor on	100%	0	20450/829	22.00	20.66	0.644	0.020	1.36	0.877	/
						0	QPSK	Sensor on	1	0	20525/836.5	22.00	20.85	0.638	0.038	1.30	0.831	/
0	QPSK	Sensor on				1	0	20600/844	22.00	20.82	0.566	0.070	1.31	0.743	/			
0	QPSK	Sensor on				50%	0	20525/836.5	22.00	20.66	0.616	0.027	1.36	0.839	/			
0	QPSK	Sensor on				50%	0	20600/844	22.00	20.68	0.528	-0.013	1.36	0.716	/			
0	QPSK	Sensor on				100%	0	20525/836.5	22.00	20.63	0.586	0.025	1.37	0.803	/			
0	QPSK	Sensor on				100%	0	20600/844	22.00	20.48	0.496	0.080	1.42	0.704	/			
0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/					
0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/					
		Right Edge	0	QPSK	Sensor off	1	0	20450/829	24.00	22.91	0.695	-0.130	1.29	0.893	/			
			0	QPSK	Sensor off	1	0	20525/836.5	24.00	22.87	0.544	0.017	1.30	0.706	/			
			0	QPSK	Sensor off	1	0	20600/844	24.00	22.78	0.596	0.011	1.32	0.789	/			
			0	QPSK	Sensor off	50%	25	20450/829	23.00	21.89	0.478	-0.130	1.29	0.617	/			
		Top Edge	0	QPSK	Sensor on	1	0	20450/829	22.00	20.91	0.565	0.048	1.29	0.726	/			
			0	QPSK	Sensor on	50%	25	20450/829	22.00	20.91	0.417	0.025	1.29	0.536	/			
		0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/			
		LTE 7	ANT2	Back Side	0	QPSK	Sensor on	1	99	20850/2510	14.00	12.54	0.782	0.017	1.40	1.094	/	
					0	QPSK	Sensor on	50%	50	20850/2510	14.00	12.48	0.682	-0.010	1.42	0.968	/	
0	QPSK				Sensor on	100%	0	21350/2560	14.00	12.35	0.875	0.026	1.46	1.279	/			
0	QPSK				Sensor on	1	0	21100/2535	14.00	12.53	0.791	-0.030	1.40	1.110	/			
0	QPSK				Sensor on	1	99	21350/2560	14.00	12.42	0.742	0.025	1.44	1.068	/			
0	QPSK				Sensor on	50%	0	21100/2535	14.00	12.35	0.879	0.022	1.46	1.285	27			
0	QPSK				Sensor on	50%	50	21350/2560	14.00	12.38	0.863	0.070	1.45	1.253	/			
0	QPSK				Sensor on	100%	0	20850/2510	14.00	12.29	0.865	-0.020	1.48	1.282	/			
0	QPSK				Sensor on	100%	0	21100/2535	14.00	12.30	0.866	0.130	1.48	1.281	/			
Back Side Repeat	0			QPSK	Sensor on	50%	0	21100/2535	14.00	12.35	0.865	0.049	1.46	1.265	/			
Front Side	0			QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/		
Left Edge	0			QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/		
Right Edge	0			QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/		
Top Edge	0			QPSK	Sensor on	1	99	20850/2510	14.00	12.54	0.256	0.026	1.40	0.358	/			
	0			QPSK	Sensor on	50%	50	20850/2510	14.00	12.48	0.296	0.080	1.42	0.420	/			
Bottom Edge	0			QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/		
Back Side	0			QPSK	WWAN+WLAN Sensor on	1	99	20850/2510	12.00	10.84	0.417	0.036	1.31	0.545	/			

			0	QPSK	WWAN+WLAN Sensor on	50%	50	20850/2510	12.00	10.66	0.486	0.070	1.36	0.662	/	
		Top Edge	0	QPSK	WWAN+WLAN Sensor on	1	99	20850/2510	12.00	10.84	0.186	-0.090	1.31	0.243	/	
			0	QPSK	WWAN+WLAN Sensor on	50%	50	20850/2510	12.00	10.66	0.190	0.014	1.36	0.259	/	
LTE 12	ANT0	Back Side	0	QPSK	Sensor on	1	49	23060/704	22.00	21.39	0.937	0.021	1.15	1.078	/	
			0	QPSK	Sensor on	50%	25	23095/707.5	22.00	21.31	0.893	-0.100	1.17	1.047	/	
			0	QPSK	Sensor on	100%	0	23060/704	22.00	21.33	0.976	-0.020	1.17	1.139	/	
			0	QPSK	Sensor on	1	49	23095/707.5	22.00	21.36	0.889	0.027	1.16	1.030	/	
			0	QPSK	Sensor on	1	49	23130/711	22.00	21.30	0.847	0.080	1.17	0.995	/	
			0	QPSK	Sensor on	50%	13	23060/704	22.00	21.30	0.952	0.068	1.17	1.119	/	
			0	QPSK	Sensor on	50%	25	23130/711	22.00	21.28	0.884	0.022	1.18	1.043	/	
			0	QPSK	Sensor on	100%	0	23095/707.5	22.00	21.31	0.932	0.047	1.17	1.092	/	
		Back Side Repeat	0	QPSK	Sensor on	100%	0	23060/704	22.00	21.33	1.020	-0.070	1.17	1.190	28	
		Front Side	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/
		Left Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/
		Right Edge	0	QPSK	Sensor off	1	49	23060/704	24.00	22.98	0.453	-0.180	1.26	0.573	/	
			0	QPSK	Sensor off	50%	25	23095/707.5	23.00	21.85	0.328	0.020	1.30	0.427	/	
		Top Edge	0	QPSK	Sensor on	1	49	23060/704	22.00	21.39	0.425	0.056	1.15	0.489	/	
			0	QPSK	Sensor on	50%	25	23095/707.5	22.00	21.31	0.330	0.010	1.17	0.387	/	
		Bottom Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/
LTE 26	ANT0	Back Side	0	QPSK	Sensor on	1	0	26765/821.5	19.00	17.87	0.654	0.011	1.30	0.848	/	
			0	QPSK	Sensor on	50%	0	26765/821.5	19.00	17.83	0.792	0.030	1.31	1.037	/	
			0	QPSK	Sensor on	100%	0	26765/821.5	19.00	17.79	0.783	0.036	1.32	1.035	/	
			0	QPSK	Sensor on	1	0	26865/831.5	19.00	17.70	0.685	0.014	1.35	0.924	/	
			0	QPSK	Sensor on	1	74	26965/841.5	19.00	17.68	0.671	0.030	1.36	0.909	/	
			0	QPSK	Sensor on	50%	0	26865/831.5	19.00	17.71	0.745	0.018	1.35	1.003	/	
			0	QPSK	Sensor on	50%	39	26965/841.5	19.00	17.68	0.641	0.021	1.36	0.869	/	
			0	QPSK	Sensor on	100%	0	26865/831.5	19.00	17.68	0.742	0.026	1.36	1.006	/	
		Back Side Repeat	0	QPSK	Sensor on	50%	0	26765/821.5	19.00	17.83	0.821	0.050	1.31	1.075	29	
		Front Side	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/
		Left Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/
		Right Edge	0	QPSK	Sensor off	1	38	26765/821.5	24.00	22.79	0.525	-0.160	1.32	0.694	/	
			0	QPSK	Sensor off	50%	0	26765/821.5	23.00	21.74	0.472	0.021	1.34	0.631	/	
		Top Edge	0	QPSK	Sensor on	1	0	26765/821.5	19.00	17.87	0.476	0.040	1.30	0.617	/	
			0	QPSK	Sensor on	50%	0	26765/821.5	19.00	17.83	0.439	0.030	1.31	0.575	/	
		Bottom Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	/
LTE 41	ANT2	Back Side	0	QPSK	Sensor on	1	99	40185/2549.5	17.50	16.70	0.886	0.024	1.20	1.065	/	

PC3		0	QPSK	Sensor on	50%	50	40185/2549.5	17.50	16.67	0.968	0.031	1.21	1.172	30		
		0	QPSK	Sensor on	100%	0	40185/2549.5	17.50	16.68	0.960	0.059	1.21	1.160	/		
		0	QPSK	Sensor on	1	99	39750/2506	17.50	16.66	0.834	-0.026	1.21	1.012	/		
		0	QPSK	Sensor on	1	0	41490/2680	17.50	16.21	0.703	0.017	1.35	0.946	/		
		0	QPSK	Sensor on	50%	50	39750/2506	17.50	16.64	0.892	0.070	1.22	1.087	/		
		0	QPSK	Sensor on	50%	0	41490/2680	17.50	16.21	0.837	0.020	1.35	1.126	/		
		0	QPSK	Sensor on	100%	0	39750/2506	17.50	16.54	0.885	0.040	1.25	1.104	/		
		0	QPSK	Sensor on	100%	0	41490/2680	17.50	16.12	0.831	0.080	1.37	1.142	/		
		Back Side Repeat	0	QPSK	Sensor on	50%	50	40185/2549.5	17.50	16.67	0.909	0.030	1.21	1.100	/	
		Front Side	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Left Edge	0	QPSK	Sensor off	1	99	40185/2549.5	24.00	23.05	0.125	0.027	1.24	0.156	/	
			0	QPSK	Sensor off	50%	50	40185/2549.5	23.00	22.00	0.096	0.090	1.26	0.121	/	
		Right Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Top Edge	0	QPSK	Sensor on	1	99	40185/2549.5	17.50	16.70	0.340	-0.064	1.20	0.409	/	
			0	QPSK	Sensor on	50%	50	40185/2549.5	17.50	16.67	0.357	-0.093	1.21	0.432	/	
		Bottom Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Back Side	0	QPSK	WWAN+WLAN Sensor on	1	99	40185/2549.5	16.00	15.19	0.663	0.011	1.21	0.799	/	
			0	QPSK	WWAN+WLAN Sensor on	50%	50	40185/2549.5	16.00	15.11	0.572	0.035	1.23	0.702	/	
		Top Edge	0	QPSK	WWAN+WLAN Sensor on	1	99	40185/2549.5	16.00	15.19	0.233	-0.070	1.21	0.281	/	
			0	QPSK	WWAN+WLAN Sensor on	50%	50	40185/2549.5	16.00	15.11	0.189	0.024	1.23	0.232	/	
		LTE 41 PC2	ANT2	0	QPSK	Sensor on	1	99	40185/2549.5	18.50	17.76	0.769	0.016	1.19	0.912	/
				0	QPSK	Sensor on	50%	50	40185/2549.5	18.50	17.67	0.869	0.062	1.21	1.052	31
				0	QPSK	Sensor on	100%	0	40185/2549.5	18.50	17.68	0.825	0.170	1.21	0.996	/
				0	QPSK	Sensor on	1	99	39750/2506	18.50	17.70	0.865	-0.020	1.20	1.040	/
				0	QPSK	Sensor on	1	0	41490/2680	18.50	17.26	0.667	0.048	1.33	0.887	/
				0	QPSK	Sensor on	50%	50	39750/2506	18.50	17.64	0.820	0.025	1.22	1.000	/
				0	QPSK	Sensor on	50%	0	41490/2680	18.50	17.20	0.702	-0.090	1.35	0.947	/
				0	QPSK	Sensor on	100%	0	39750/2506	18.50	17.54	0.824	0.060	1.25	1.028	/
0	QPSK			Sensor on	100%	0	41490/2680	18.50	17.11	0.715	0.180	1.38	0.985	/		
Back Side Repeat	0			QPSK	Sensor on	50%	50	40185/2549.5	18.50	17.67	0.837	0.010	1.21	1.013	/	
Front Side	0			QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Left Edge	0			QPSK	Sensor off	1	99	40185/2549.5	26.50	25.97	0.102	0.060	1.13	0.115	/	
	0			QPSK	Sensor off	50%	50	40185/2549.5	25.50	24.98	0.116	-0.010	1.13	0.131	/	
Right Edge	0			QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Top Edge	0			QPSK	Sensor on	1	99	40185/2549.5	18.50	17.76	0.282	0.011	1.19	0.334	/	
	0			QPSK	Sensor on	50%	50	40185/2549.5	18.50	17.67	0.305	0.029	1.21	0.369	/	
Bottom Edge	0			QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
Back Side	0			QPSK	WWAN+WLAN	1	99	40185/2549.5	16.50	15.77	0.598	0.060	1.18	0.707	/	

					Sensor on											
		0	QPSK	WWAN+WLAN Sensor on	50%	50	40185/2549.5	16.50	15.69	0.544	0.021	1.21	0.656	/		
		0	QPSK	WWAN+WLAN Sensor on	1	99	40185/2549.5	16.50	15.77	0.182	0.130	1.18	0.215	/		
		0	QPSK	WWAN+WLAN Sensor on	50%	50	40185/2549.5	16.50	15.69	0.173	0.027	1.21	0.208	/		
LTE 66	ANT0	Back Side	0	QPSK	Sensor on	1	0	132072/1720	14.00	12.66	0.753	0.160	1.36	1.025	/	
			0	QPSK	Sensor on	50%	0	132072/1720	14.00	12.90	0.718	-0.120	1.29	0.925	/	
			0	QPSK	Sensor on	100%	0	132072/1720	14.00	12.67	0.725	0.033	1.36	0.985	/	
			0	QPSK	Sensor on	1	0	132322/1745	14.00	12.63	0.756	0.039	1.37	1.036	/	
			0	QPSK	Sensor on	1	99	132572/1770	14.00	12.63	0.812	-0.010	1.37	1.113	32	
			0	QPSK	Sensor on	50%	25	132322/1745	14.00	12.54	0.756	0.010	1.40	1.058	/	
			0	QPSK	Sensor on	50%	0	132572/1770	14.00	12.65	0.794	0.026	1.36	1.083	/	
			0	QPSK	Sensor on	100%	0	132322/1745	14.00	12.52	0.758	0.070	1.41	1.066	/	
		0	QPSK	Sensor on	100%	0	132572/1770	14.00	12.62	0.809	0.038	1.37	1.112	/		
		Back Side Repeat	0	QPSK	Sensor on	1	99	132572/1770	14.00	12.63	0.796	0.190	1.37	1.091	/	
		Front Side	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Left Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/	
		Right Edge	0	QPSK	Sensor off	1	0	132072/1720	24.00	23.20	0.170	0.060	1.20	0.204	/	
			0	QPSK	Sensor off	50%	0	132072/1720	23.00	22.15	0.174	0.040	1.22	0.212	/	
		Top Edge	0	QPSK	Sensor on	1	0	132072/1720	14.00	12.66	0.502	0.038	1.36	0.683	/	
			0	QPSK	Sensor on	50%	0	132072/1720	14.00	12.90	0.618	0.020	1.29	0.796	/	
Bottom Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/			
LTE 71	ANT0	Back Side	0	QPSK	Sensor on	1	99	133222/673	20.50	19.56	0.642	-0.051	1.24	0.797	33	
			0	QPSK	Sensor on	50%	50	133372/688	20.50	19.42	0.619	0.048	1.28	0.794	/	
		Front Side	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		Left Edge	0	QPSK	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/		
		Right Edge	0	QPSK	Sensor off	1	50	133372/688	24.00	22.80	0.341	0.035	1.32	0.450	/	
			0	QPSK	Sensor off	50%	50	133222/673	23.00	21.68	0.312	0.020	1.36	0.423	/	
		Top Edge	0	QPSK	Sensor on	1	99	133222/673	20.50	19.31	0.255	0.012	1.32	0.335	/	
			0	QPSK	Sensor on	50%	50	133372/688	20.50	19.22	0.263	-0.058	1.34	0.353	/	
Bottom Edge	0	QPSK	N/A	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.
n25	ANT0	Back Side	0	SA	DFT-s-OFDM	Sensor on	1	1	376500/1882.5	14.00	13.21	0.738	0.012	1.20	0.885	/
			Sensor on			1	1	374000/1870	14.00	13.11	0.890	0.063	1.23	1.092	/	
			Sensor on			1	1	379000/1895	14.00	12.93	0.897	0.090	1.28	1.148	34	
			Sensor on			50%	54	379000/1895	14.00	12.88	0.854	-0.029	1.29	1.105	/	
			Sensor on			50%	54	374000/1870	14.00	12.67	0.829	0.060	1.36	1.126	/	
			Sensor on			50%	54	376500/1882.5	14.00	12.65	0.832	0.015	1.36	1.135	/	

			0		Sensor on	100%	0	376500/1882.5	14.00	12.92	0.845	0.043	1.28	1.084	/	
			0		Sensor on	100%	0	374000/1870	14.00	12.90	0.846	-0.030	1.29	1.090	/	
			0		Sensor on	100%	0	379000/1895	14.00	12.88	0.850	0.085	1.29	1.100	/	
		Back Side Repeat	0		Sensor on	1	1	379000/1895	14.00	12.88	0.866	-0.090	1.29	1.121	/	
		Front Side	0		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
		Left Edge	0		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
		Right Edge	0		Sensor off	1	1	376500/1882.5	24.00	22.47	0.106	0.026	1.42	0.151	/	
			0		Sensor off	50%	54	376500/1882.5	24.00	22.26	0.132	-0.080	1.49	0.197	/	
		Top Edge	0		Sensor on	1	1	376500/1882.5	14.00	13.21	0.522	0.032	1.20	0.626	/	
			0		Sensor on	50%	54	379000/1895	14.00	12.88	0.501	0.120	1.29	0.648	/	
		Bottom Edge	0		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
		n41 PC2	ANT2		SA	DFT-s-OFDM QPSK		Sensor on	1	1	528000/2640	18.50	17.13	0.624	0.061	1.37
	Sensor on			1			1	509202/2546.01	18.50	17.12	0.534	-0.024	1.37	0.734	/	
	Sensor on			1			1	518598/2592.99	18.50	17.10	0.549	0.080	1.38	0.758	/	
Back Side				Sensor on			50%	67	518598/2592.99	18.50	17.08	0.579	0.015	1.39	0.803	/
				Sensor on			50%	67	509202/2546.01	18.50	17.03	0.597	0.160	1.40	0.837	/
				Sensor on			50%	67	528000/2640	18.50	17.03	0.632	-0.064	1.40	0.887	35
	Sensor on			100%			0	509202/2546.01	18.50	17.18	0.581	0.038	1.36	0.787	/	
	Sensor on			100%			0	518598/2592.99	18.50	17.14	0.587	0.029	1.37	0.803	/	
	Sensor on			100%			0	528000/2640	18.50	17.17	0.615	0.080	1.36	0.835	/	
Front Side	0			N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
Left Edge	0			N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
Right Edge	0			N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
Top Edge	0			Sensor on			1	1	509202/2546.01	18.50	17.12	0.181	0.075	1.37	0.249	/
	0			Sensor on			50%	67	518598/2592.99	18.50	17.08	0.172	0.090	1.39	0.239	/
Bottom Edge	0			N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
n66	ANT0	SA	DFT-s-OFDM QPSK		Sensor on	1	1	352000/1760	16.00	15.38	0.795	0.027	1.15	0.917	/	
					Sensor on	50%	54	352000/1760	16.00	15.36	0.731	-0.030	1.16	0.847	/	
					Sensor on	100%	0	349000/1745	16.00	15.33	0.980	0.064	1.17	1.143	/	
				Back Side		Sensor on	1	214	346000/1730	16.00	15.30	0.972	0.018	1.17	1.142	/
						Sensor on	1	214	349000/1745	16.00	15.31	0.835	0.050	1.17	0.979	/
						Sensor on	50%	54	346000/1730	16.00	15.09	0.988	0.080	1.23	1.218	/
					Sensor on	50%	54	349000/1745	16.00	15.33	0.982	0.090	1.17	1.146	/	
					Sensor on	100%	0	346000/1730	16.00	15.30	0.957	-0.040	1.17	1.124	/	
					Sensor on	100%	0	352000/1760	16.00	15.26	0.989	0.028	1.19	1.173	/	
				Back Side Repeat	0	Sensor on	100%	0	349000/1745	16.00	15.33	1.090	-0.070	1.17	1.272	36
				Front Side	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
				Left Edge	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
				Right Edge	0	Sensor off	1	214	352000/1760	24.00	23.14	0.067	0.029	1.22	0.082	/
					0	Sensor off	50%	54	352000/1760	24.00	23.19	0.077	-0.080	1.21	0.093	/
				Top Edge	0	Sensor on	1	1	352000/1760	16.00	15.38	0.481	0.030	1.15	0.555	/

			0			Sensor on	50%	54	352000/1760	16.00	15.36	0.507	0.070	1.16	0.588	/
		Bottom Edge	0			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Back Side	0	SA	CP-OFDM QPSK	Sensor on	1	1	346000/1730	16.00	15.40	0.954	0.040	1.15	1.095	/
			0													
n71	ANT0	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	104	134600/673	24.00	22.72	0.340	0.090	1.34	0.457	/
			0			Sensor on	50%	25	136100/680.5	24.00	22.75	0.439	-0.100	1.33	0.585	37
		Front Side	0			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0			Sensor off	1	104	134600/673	24.00	22.72	0.075	0.062	1.34	0.101	/
			0			Sensor off	50%	25	136100/680.5	24.00	22.75	0.073	-0.080	1.33	0.097	/
		Top Edge	0			Sensor on	1	104	134600/673	24.00	22.72	0.092	0.041	1.34	0.124	/
			0			Sensor on	50%	25	136100/680.5	24.00	22.75	0.124	0.027	1.33	0.165	/
		Bottom Edge	0			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

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	ANT6	Back Side	0	802.11b	100.0%	Sensor on	6/2437	13.50	12.95	0.898	0.150	1.14	1.019	/
		Back Side	0	802.11b	100.0%	Sensor on	1/2412	13.50	12.54	0.733	0.090	1.25	0.914	/
		Back Side	0	802.11b	100.0%	Sensor on	11/2462	13.50	12.84	0.718	0.037	1.16	0.836	/
		Front Side	0	802.11b	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	802.11b	100.0%	Sensor off	6/2437	19.50	18.81	0.847	0.015	1.17	0.993	/
		Left Edge	0	802.11b	100.0%	Sensor off	1/2412	19.50	18.12	0.793	0.030	1.37	1.090	/
		Left Edge	0	802.11b	100.0%	Sensor off	11/2462	19.50	18.49	0.993	-0.025	1.26	1.253	38
		Right Edge	0	802.11b	100.0%	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0	802.11b	100.0%	Sensor on	6/2437	13.50	12.95	0.363	0.070	1.14	0.412	/
		Bottom Edge	0	802.11b	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
U-NII-2A	ANT6	Back Side	0	802.11a	100.0%	Sensor on	60/5300	13.00	12.18	0.925	0.100	1.21	1.117	/
		Back Side	0	802.11a	100.0%	Sensor on	52/5260	13.00	12.15	0.841	0.029	1.22	1.023	/
		Back Side	0	802.11a	100.0%	Sensor on	64/5320	13.00	12.03	0.565	0.012	1.25	0.706	/
		Front Side	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	802.11a	100.0%	Sensor off	60/5300	19.00	17.60	0.579	0.024	1.38	0.799	/
		Right Edge	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0	802.11a	100.0%	Sensor on	60/5300	13.00	12.18	0.838	-0.160	1.21	1.012	/
		Top Edge	0	802.11a	100.0%	Sensor on	52/5260	13.00	12.15	0.977	-0.082	1.22	1.188	39
		Top Edge	0	802.11a	100.0%	Sensor on	64/5320	13.00	12.03	0.624	0.114	1.25	0.780	/
		Bottom Edge	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
U-NII-2C	ANT6	Back Side	0	802.11a	100.0%	Sensor on	100/5500	13.00	12.07	0.741	0.010	1.24	0.918	/
		Back Side	0	802.11a	100.0%	Sensor on	116/5580	13.00	11.87	0.777	0.025	1.30	1.008	/
		Back Side	0	802.11a	100.0%	Sensor on	140/5700	13.00	11.98	0.728	0.079	1.26	0.921	/
		Front Side	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	802.11a	100.0%	Sensor off	116/5580	19.00	17.85	0.483	0.049	1.30	0.629	/
		Right Edge	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

		Top Edge	0	802.11a	100.0%	Sensor on	100/5500	13.00	12.07	0.688	-0.190	1.24	0.852	/
		Top Edge	0	802.11a	100.0%	Sensor on	116/5580	13.00	11.87	0.647	0.048	1.30	0.839	/
		Top Edge	0	802.11a	100.0%	Sensor on	140/5700	13.00	11.98	0.701	0.069	1.26	0.887	/
		Bottom Edge	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
U-NII-3	ANT6	Back Side	0	802.11a	100.0%	Sensor on	149/5745	13.50	12.96	0.748	0.086	1.13	0.847	/
		Back Side	0	802.11a	100.0%	Sensor on	157/5785	13.50	12.90	0.496	0.012	1.15	0.569	/
		Back Side	0	802.11a	100.0%	Sensor on	165/5825	13.50	12.88	0.549	-0.100	1.15	0.633	/
		Front Side	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	802.11a	100.0%	Sensor off	149/5745	19.00	17.55	0.479	0.038	1.40	0.669	/
		Right Edge	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0	802.11a	100.0%	Sensor on	149/5745	13.50	12.96	0.721	0.020	1.13	0.816	/
		Top Edge	0	802.11a	100.0%	Sensor on	157/5785	13.50	12.90	0.924	0.168	1.15	1.061	/
		Top Edge	0	802.11a	100.0%	Sensor on	165/5825	13.50	12.88	0.825	0.026	1.15	0.952	/
		Bottom Edge	0	802.11a	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
Bluetooth	ANT6	Back Side	0	DH5	76.8%	Full Power	39/2441	8.50	8.07	0.271	0.046	1.44	0.390	40
		Front Side	0	DH5	76.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	DH5	76.8%	Full Power	39/2441	8.50	8.07	0.068	0.044	1.44	0.098	/
		Right Edge	0	DH5	76.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0	DH5	76.8%	Full Power	39/2441	8.50	8.07	0.088	0.051	1.44	0.126	/
		Bottom Edge	0	N/A	76.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

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 (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)
GSM850	ANT0	Back Side	24	4TX Slots	Sensor off	N/A	N/A	190/836.6	29.50	28.44	0.326	0.028	1.28	0.416
		Top Edge	24	4TX Slots	Sensor off	N/A	N/A	190/836.6	29.50	28.44	0.194	0.011	1.28	0.248
GSM1900	ANT0	Back Side	24	4TX Slots	Sensor off	N/A	N/A	661/1880	26.50	25.31	0.295	-0.040	1.32	0.388
		Top Edge	24	4TX Slots	Sensor off	N/A	N/A	661/1880	26.50	25.31	0.226	0.015	1.32	0.297
WCDMA II	ANT0	Back Side	24	RMC	Sensor off	N/A	N/A	9400/1880	24.00	23.23	0.576	0.017	1.19	0.688
		Back Side	24	RMC	Sensor off	N/A	N/A	9262/1852.4	24.00	23.70	0.672	-0.045	1.07	0.720
		Back Side	24	RMC	Sensor off	N/A	N/A	9538/1907.6	24.00	23.35	0.551	0.024	1.16	0.640
		Top Edge	24	RMC	Sensor off	N/A	N/A	9400/1880	24.00	23.23	0.367	-0.011	1.19	0.438
WCDMA IV	ANT0	Back Side	24	RMC	Sensor off	N/A	N/A	1413/1732.6	24.00	23.25	0.690	0.055	1.19	0.820
		Back Side	24	RMC	Sensor off	N/A	N/A	1312/1712.4	24.00	23.31	0.524	0.028	1.17	0.614
		Back Side	24	RMC	Sensor off	N/A	N/A	1513/1752.6	24.00	23.27	0.625	-0.040	1.18	0.739
		Top Edge	24	RMC	Sensor off	N/A	N/A	1312/1712.4	24.00	23.31	0.683	0.130	1.17	0.801
		Top Edge	24	RMC	Sensor off	N/A	N/A	1513/1752.6	24.00	23.27	0.871	0.080	1.18	1.030
		Top Edge	24	RMC	Sensor off	N/A	N/A	1413/1732.6	24.00	23.25	1.070	0.190	1.19	1.272
WCDMA V	ANT0	Back Side	24	RMC	Sensor off	N/A	N/A	4183/836.6	24.00	22.90	0.245	0.040	1.29	0.316
		Top Edge	24	RMC	Sensor off	N/A	N/A	4183/836.6	24.00	22.90	0.107	0.020	1.29	0.138
LTE 2	ANT0	Back Side	24	QPSK	Sensor off	1	0	18700/1860	24.00	23.70	0.296	0.058	1.07	0.317

		Top Edge	24	QPSK	Sensor off	50%	0	18700/1860	23.00	22.79	0.247	0.038	1.05	0.259
			24	QPSK	Sensor off	1	0	18700/1860	24.00	23.70	0.315	-0.010	1.07	0.338
			24	QPSK	Sensor off	50%	0	18700/1860	23.00	22.79	0.241	0.011	1.05	0.253
LTE 5	ANT0	Back Side	24	QPSK	Sensor off	1	0	20450/829	24.00	22.91	0.246	-0.180	1.29	0.316
			24	QPSK	Sensor off	50%	25	20450/829	23.00	21.89	0.316	0.060	1.29	0.408
		Top Edge	24	QPSK	Sensor off	1	0	20450/829	24.00	22.91	0.136	0.026	1.29	0.175
			24	QPSK	Sensor off	50%	25	20450/829	23.00	21.89	0.170	0.033	1.29	0.220
LTE 7	ANT2	Back Side	11	QPSK	Sensor off	1	99	20850/2510	24.00	23.06	0.616	0.012	1.24	0.765
			11	QPSK	Sensor off	50%	50	20850/2510	23.00	22.00	0.635	-0.170	1.26	0.799
		Top Edge	11	QPSK	Sensor off	1	99	20850/2510	24.00	23.06	0.412	0.080	1.24	0.512
			11	QPSK	Sensor off	50%	50	20850/2510	23.00	22.00	0.385	0.075	1.26	0.485
LTE 12	ANT0	Back Side	24	QPSK	Sensor off	1	49	23060/704	24.00	22.98	0.123	0.020	1.26	0.156
			24	QPSK	Sensor off	50%	25	23095/707.5	23.00	21.85	0.110	-0.015	1.30	0.143
		Top Edge	24	QPSK	Sensor off	1	49	23060/704	24.00	22.98	0.060	0.011	1.26	0.076
			24	QPSK	Sensor off	50%	25	23095/707.5	23.00	21.85	0.088	0.017	1.30	0.115
LTE 26	ANT0	Back Side	24	QPSK	Sensor off	1	38	26765/821.5	24.00	22.79	0.213	0.041	1.32	0.281
			24	QPSK	Sensor off	50%	0	26765/821.5	23.00	21.74	0.138	0.027	1.34	0.184
		Top Edge	24	QPSK	Sensor off	1	38	26765/821.5	24.00	22.79	0.078	0.160	1.32	0.103
			24	QPSK	Sensor off	50%	0	26765/821.5	23.00	21.74	0.049	-0.090	1.34	0.065
LTE 41 PC3	ANT2	Back Side	11	QPSK	Sensor off	1	99	40185/2549.5	24.00	23.05	0.335	0.055	1.24	0.417
			11	QPSK	Sensor off	50%	50	40185/2549.5	23.00	22.00	0.270	0.027	1.26	0.340
		Top Edge	11	QPSK	Sensor off	1	99	40185/2549.5	24.00	23.05	0.184	0.030	1.24	0.229
			11	QPSK	Sensor off	50%	50	40185/2549.5	23.00	22.00	0.187	0.016	1.26	0.235
LTE 41 PC2	ANT2	Back Side	11	QPSK	Sensor off	1	99	40185/2549.5	26.50	25.97	0.487	0.050	1.13	0.550
			11	QPSK	Sensor off	50%	50	40185/2549.5	25.50	24.98	0.465	-0.090	1.13	0.524
		Top Edge	11	QPSK	Sensor off	1	99	40185/2549.5	26.50	25.97	0.357	0.060	1.13	0.403
			11	QPSK	Sensor off	50%	50	40185/2549.5	25.50	24.98	0.353	0.019	1.13	0.398
LTE 66	ANT0	Back Side	24	QPSK	Sensor off	1	0	132072/1720	24.00	23.20	0.492	0.050	1.20	0.592
			24	QPSK	Sensor off	50%	0	132072/1720	23.00	22.15	0.476	-0.080	1.22	0.579
		Top Edge	24	QPSK	Sensor off	1	0	132072/1720	24.00	23.20	1.020	0.020	1.20	1.226
			24	QPSK	Sensor off	50%	0	132072/1720	23.00	22.15	0.883	0.090	1.22	1.074
			24	QPSK	Sensor off	100%	0	132072/1720	23.00	22.09	0.926	0.011	1.23	1.142
			24	QPSK	Sensor off	1	0	132322/1745	24.00	23.18	1.060	0.100	1.21	1.280
			24	QPSK	Sensor off	1	99	132572/1770	24.00	23.06	0.815	0.035	1.24	1.012
			24	QPSK	Sensor off	50%	50	132322/1745	23.00	21.99	0.986	0.047	1.26	1.244
			24	QPSK	Sensor off	50%	0	132572/1770	23.00	22.13	0.779	0.030	1.22	0.952
			24	QPSK	Sensor off	100%	0	132322/1745	23.00	21.94	0.988	-0.010	1.28	1.261
24	QPSK	Sensor off	100%	0	132572/1770	23.00	22.08	0.745	0.027	1.24	0.921			
LTE 71	ANT0	Back Side	24	QPSK	Sensor off	1	50	133372/688	24.00	22.80	0.212	0.010	1.32	0.279
			24	QPSK	Sensor off	50%	50	133222/673	23.00	21.68	0.174	0.071	1.36	0.236
		Top Edge	24	QPSK	Sensor off	1	50	133372/688	24.00	22.80	0.090	0.035	1.32	0.119
			24	QPSK	Sensor off	50%	50	133222/673	23.00	21.68	0.108	-0.028	1.36	0.146

Band	Antenna	Dist. (mm)	Test Position	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)
n25	ANT0	24	Back Side	SA	DFT-s-OFDM	Sensor off	1	1	376500/1882.5	24.00	22.47	0.160	0.010	1.42	0.228
		24				Sensor off	50%	54	376500/1882.5	24.00	22.26	0.178	0.038	1.49	0.266
		24	Top Edge		QPSK	Sensor off	1	1	376500/1882.5	24.00	22.47	0.155	0.030	1.42	0.220
		24			Sensor off	50%	54	376500/1882.5	24.00	22.26	0.140	-0.047	1.49	0.209	
n41 PC2	ANT2	11	Back Side	SA	DFT-s-OFDM	Sensor off	1	1	528000/2640	26.50	25.58	0.280	0.010	1.24	0.346
		11				Sensor off	50%	67	518598/2592.99	26.50	25.38	0.254	0.040	1.29	0.329
		11	Top Edge		QPSK	Sensor off	1	1	528000/2640	26.50	25.58	0.265	0.011	1.24	0.328
		11			Sensor off	50%	67	518598/2592.99	26.50	25.38	0.129	0.020	1.29	0.167	
n66	ANT0	24	Back Side	SA	DFT-s-OFDM	Sensor off	1	214	352000/1760	24.00	23.14	0.338	0.048	1.22	0.412
		24				Sensor off	50%	54	352000/1760	24.00	23.19	0.346	-0.100	1.21	0.417
		24	Top Edge		QPSK	Sensor off	1	214	352000/1760	24.00	23.14	0.463	0.064	1.22	0.564
		24			Sensor off	50%	54	352000/1760	24.00	23.19	0.501	0.049	1.21	0.604	
n71	ANT0	24	Back Side	SA	DFT-s-OFDM	Sensor off	1	104	134600/673	24.00	22.72	0.001	0.010	1.34	0.001
		24				Sensor off	50%	25	136100/680.5	24.00	22.75	0.001	0.029	1.33	0.001
		24	Top Edge		QPSK	Sensor off	1	104	134600/673	24.00	22.72	0.001	-0.030	1.34	0.001
		24			Sensor off	50%	25	136100/680.5	24.00	22.75	0.001	0.022	1.33	0.001	

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)
2.4G	ANT6	Back Side	14	11b	100.0%	Sensor off	6/2437	20.00	18.81	0.472	-0.050	1.32	0.621
		Top Edge	13	11b	100.0%	Sensor off	6/2437	20.00	18.81	0.153	0.100	1.32	0.201
U-NII-2A	ANT6	Back Side	14	11a	100.0%	Sensor off	60/5300	19.00	17.60	0.847	0.022	1.38	1.169
		Back Side	14	11a	100.0%	Sensor off	52/5260	19.00	17.32	0.713	0.170	1.47	1.050
		Back Side	14	11a	100.0%	Sensor off	64/5320	19.00	17.39	0.652	0.035	1.45	0.945
		Top Edge	13	11a	100.0%	Sensor off	60/5300	19.00	17.60	0.866	0.034	1.38	1.195
		Top Edge	13	11a	100.0%	Sensor off	52/5260	19.00	17.32	0.806	-0.070	1.47	1.187
		Top Edge	13	11a	100.0%	Sensor off	64/5320	19.00	17.39	0.824	0.093	1.45	1.194
U-NII-2C	ANT6	Back Side	14	11a	100.0%	Sensor off	120/5600	19.00	17.80	0.434	0.105	1.32	0.572
		Top Edge	13	11a	100.0%	Sensor off	120/5600	19.00	17.80	0.841	0.045	1.32	1.109
		Top Edge	13	11a	100.0%	Sensor off	116/5580	19.00	17.54	0.770	0.030	1.40	1.078
		Top Edge	13	11a	100.0%	Sensor off	140/5700	19.00	17.51	0.489	0.060	1.41	0.689
U-NII-3	ANT6	Back Side	14	11a	100.0%	Sensor off	149/5745	19.00	17.55	0.381	0.026	1.40	0.532
		Top Edge	13	11a	100.0%	Sensor off	149/5745	19.00	17.55	0.439	0.067	1.40	0.613

10.2 Simultaneous Transmission Analysis

Simultaneous Transmission Configurations	Body SAR
WWAN + Wi-Fi 2.4GHz	Yes
WWAN + Wi-Fi 5GHz	Yes
WWAN + Bluetooth	Yes
WWAN + Wi-Fi 2.4GHz+ Bluetooth	Yes
Wi-Fi 2.4GHz+ Bluetooth	Yes
WWAN + Wi-Fi 5GHz+ Bluetooth	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

SAR _{1g} (W/kg) Test Position		GSM	GSM	WCDMA	WCDMA	WCDMA	LTE	LTE	LTE	LTE	LTE	LTE	LTE	LTE	LTE	MAX.
		850	1900	Band II	IV	Band V	2	5	7	12	26	41 PC3	41 PC2	66	71	SAR _{1g}
Body SAR	Back Side	1.232	1.167	1.280	0.983	1.035	1.281	0.972	0.662	1.190	1.075	0.799	0.707	1.113	0.797	1.281
	Front Side	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
	Left Edge	0.119	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	0.119
	Right Edge	1.123	0.467	0.652	0.368	0.797	0.597	0.893	N/A	0.573	0.694	0.156	0.131	0.212	0.450	1.123
	Top Edge	0.618	0.762	0.595	0.699	0.435	0.918	0.726	0.259	0.489	0.617	0.281	0.215	0.796	0.353	0.918
	Bottom Edge	0.108	0.095	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

SAR _{1g} (W/kg) Test Position		n25	n41 PC2	n66	n71	MAX. SAR _{1g}
Body SAR	Back Side	1.148	0.887	1.272	0.585	1.272
	Front Side	N/A	N/A	N/A	N/A	N/A
	Left Edge	N/A	N/A	N/A	N/A	N/A
	Right Edge	0.197	N/A	0.093	0.101	0.197
	Top Edge	0.648	0.249	0.588	0.165	0.648
	Bottom Edge	N/A	N/A	N/A	N/A	N/A

About Bluetooth, Wi-Fi and WWAN Antenna

SAR _{1g} (W/kg) Test Position		GSM/ WCDMA/ LTE	NR	Wi-Fi 2.4GHz	Wi-Fi 5GHz			Bluetooth	MAX. ΣSAR _{1g}	
					U-NII-2A	U-NII-2C	U-NII-3		Max. (1,2)+3+7	Max. (1,2)+Max. (4-6)
		1	2	3	4	5	6	7		
Body SAR	Back Side	1.281	1.272	1.019	1.117	1.008	0.847	0.390	2.690	2.398
	Front Side	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A
	Left Edge	0.119	N/A	1.253	0.799	0.629	0.669	0.098	1.470	0.918
	Right Edge	1.123	0.197	N/A	N/A	N/A	N/A	N/A	N/A	1.123
	Top Edge	0.918	0.648	0.412	1.188	0.887	1.061	0.126	1.456	2.106
	Bottom Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note:

1. MAX. ΣSAR_{1g} = Unlicensed SAR_{MAX} + Licensed SAR_{MAX}

2. MAX. ΣSAR_{1g} = 2.694W/kg > 1.6W/kg

So, the SAR to peak location separation ratio should be considered

Multi-Band Average SAR WIFI 2.4G+BT

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

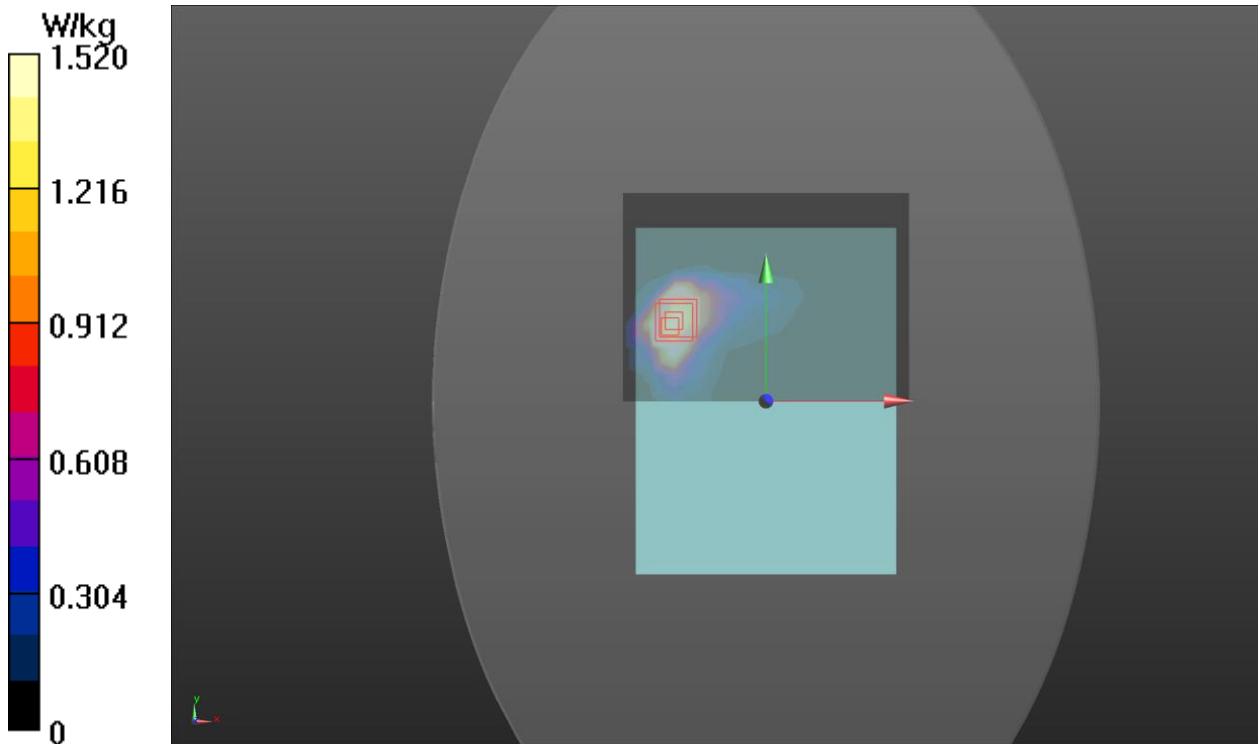
DASY5 Configuration:

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Multi Band Result:

SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.411 W/kg

Maximum value of SAR (interpolated) = 1.520 W/kg



Band	Back Side					Top Edge		
	WWAN	Wi-Fi 2.4GHz + Bluetooth	WWAN + Wi-Fi 2.4GHz + Bluetooth	Wi-Fi 5GHz	WWAN + Wi-Fi 5GHz	WWAN	Wi-Fi 5GHz	WWAN + Wi-Fi 5GHz
GSM 850	1.232	0.975	2.207	1.117	2.349	0.618	1.188	1.806
GSM 1900	1.167	0.975	2.142	1.117	2.284	0.762	1.188	1.950
WCDMA II	1.280	0.975	2.255	1.117	2.397	0.595	1.188	1.783
WCDMA IV	0.983	0.975	1.958	1.117	2.100	0.699	1.188	1.887
WCDMA V	1.035	0.975	2.010	1.117	2.152	0.435	1.188	1.623
LTE 2	1.281	0.975	2.256	1.117	2.398	0.918	1.188	2.106
LTE 5	0.972	0.975	1.947	1.117	2.089	0.726	1.188	1.914
LTE 7	0.662	0.975	1.637	1.117	1.779	0.259	1.188	1.447
LTE 12	1.19	0.975	2.165	1.117	2.307	0.489	1.188	1.677
LTE 26	1.075	0.975	2.050	1.117	2.192	0.617	1.188	1.805
LTE 41 PC3	0.799	0.975	1.774	1.117	1.916	0.281	1.188	1.469
LTE 41 PC2	0.707	0.975	1.682	1.117	1.824	0.215	1.188	1.403
LTE 66	1.113	0.975	2.088	1.117	2.230	0.796	1.188	1.984
LTE 71	0.797	0.975	1.772	1.117	1.914	0.353	1.188	1.541
NR n25	1.148	0.975	2.123	1.117	2.265	0.648	1.188	1.836
NR n41 PC2	0.887	0.975	1.862	1.117	2.004	0.249	1.188	1.437
NR n66	1.272	0.975	2.247	1.117	2.389	0.588	1.188	1.776
NR n71	0.585	0.975	1.560	1.117	1.702	0.165	1.188	1.353

Note:

- The value with blue color is the SAR_{1g}>1.6 W/kg.
- When the MAX. Σ SAR_{1g}>1.6 W/kg in a position, Ratio need consideration in this position.

Back Side, WWAN + Wi-Fi 2.4GHz + Bluetooth

GSM850+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-38.5	-54.5	-181.1
The position SAR2	-49.5	48	-182.9
Ri(mm)	103.1042676		
SAR1(W/Kg)	1.232		
SAR2(W/Kg)	0.975		
Ratio	0.032		

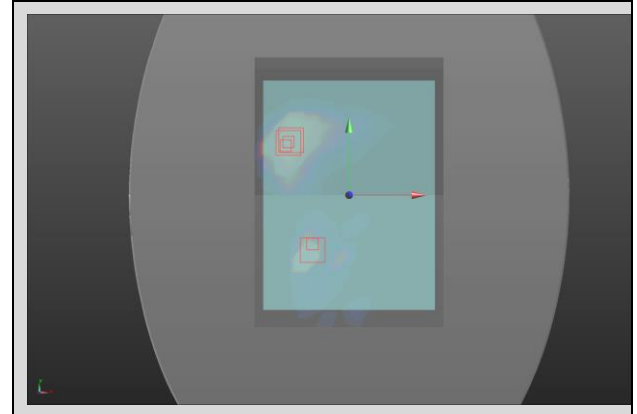
GSM1900+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-39	-51.5	-180.6
The position SAR2	-49.5	48	-182.9
Ri(mm)	100.0789189		
SAR1(W/Kg)	1.167		
SAR2(W/Kg)	0.975		
Ratio	0.031		

WCDMA 2+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-37.5	-50.5	-180.8
The position SAR2	-49.5	48	-182.9
Ri(mm)	99.25049118		
SAR1(W/Kg)	1.280		
SAR2(W/Kg)	0.975		
Ratio	0.034		

WCDMA 4+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-37.5	-50.5	-180.5
The position SAR2	-49.5	48	-182.9
Ri(mm)	99.25729192		
SAR1(W/Kg)	0.983		
SAR2(W/Kg)	0.975		
Ratio	0.028		

WCDMA 5+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-38	-51.5	-180.4
The position SAR2	-49.5	48	-182.9
Ri(mm)	100.1935627		
SAR1(W/Kg)	1.035		
SAR2(W/Kg)	0.975		
Ratio	0.028		

LTE2+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-37	-54	-180.4
The position SAR2	-49.5	48	-182.9
Ri(mm)	102.7934823		
SAR1(W/Kg)	1.281		
SAR2(W/Kg)	0.975		
Ratio	0.033		



LTE5+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-37.5	-53.5	-180.2
The position SAR2	-49.5	48	-182.9
Ri(mm)	102.2425547		
SAR1(W/Kg)	0.972		
SAR2(W/Kg)	0.975		
Ratio	0.027		

LTE7+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-51	-26.5	-180.1
The position SAR2	-49.5	48	-182.9
Ri(mm)	74.56768737		
SAR1(W/Kg)	0.662		
SAR2(W/Kg)	0.975		
Ratio	0.028		

LTE12+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-38	-53	-180
The position SAR2	-49.5	48	-182.9
Ri(mm)	101.6939526		
SAR1(W/Kg)	1.190		
SAR2(W/Kg)	0.975		
Ratio	0.031		

LTE26+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-38	-53.5	-180.1
The position SAR2	-49.5	48	-182.9
Ri(mm)	102.1877683		
SAR1(W/Kg)	1.075		
SAR2(W/Kg)	0.975		
Ratio	0.029		

LTE41+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-50.5	-27.5	-180.3
The position SAR2	-49.5	48	-182.9
Ri(mm)	75.55137325		
SAR1(W/Kg)	0.799		
SAR2(W/Kg)	0.975		
Ratio	0.031		

LTE66+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-37	-54	-179.8
The position SAR2	-49.5	48	-182.9
Ri(mm)	102.8098244		
SAR1(W/Kg)	1.113		
SAR2(W/Kg)	0.975		
Ratio	0.029		

LTE71+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-39.5	-51.5	-181.1
The position SAR2	-49.5	48	-182.9
Ri(mm)	100.0174485		
SAR1(W/Kg)	0.797		
SAR2(W/Kg)	0.975		
Ratio	0.024		

n25+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-36.5	-52.5	-182.5
The position SAR2	-49.5	48	-182.9
Ri(mm)	101.3380975		
SAR1(W/Kg)	1.148		
SAR2(W/Kg)	0.975		
Ratio	0.031		

n41+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-48.5	-28	-180.3
The position SAR2	-49.5	48	-182.9
Ri(mm)	76.0510355		
SAR1(W/Kg)	0.887		
SAR2(W/Kg)	0.975		
Ratio	0.033		

n66+Wi-Fi 2.4GHz&Bluetooth			
	X	Y	Z
The position SAR1	-38.5	-53.5	-182.1
The position SAR2	-49.5	48	-182.9
Ri(mm)	102.0974534		
SAR1(W/Kg)	1.272		
SAR2(W/Kg)	0.975		
Ratio	0.033		

Back Side, WWAN + Wi-Fi 5GHz

GSM850+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-38.5	-54.5	-181.1
The position SAR2	-49	44	-183
Ri(mm)	99.07628374		
SAR1(W/Kg)	1.232		
SAR2(W/Kg)	1.117		
Ratio	0.036		

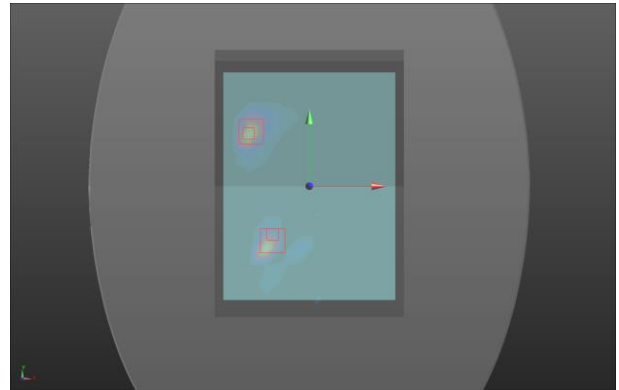
GSM1900+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-39	-51.5	-180.6
The position SAR2	-49	44	-183
Ri(mm)	96.05212127		
SAR1(W/Kg)	1.167		
SAR2(W/Kg)	1.117		
Ratio	0.036		

WCDMA 2+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-37.5	-50.5	-180.8
The position SAR2	-49	44	-183
Ri(mm)	95.22258136		
SAR1(W/Kg)	1.280		
SAR2(W/Kg)	1.117		
Ratio	0.039		

WCDMA 4+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-37.5	-50.5	-180.5
The position SAR2	-49	44	-183
Ri(mm)	95.22998477		
SAR1(W/Kg)	0.983		
SAR2(W/Kg)	1.117		
Ratio	0.032		

WCDMA 5+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-38	-51.5	-180.4
The position SAR2	-49	44	-183
Ri(mm)	96.16657423		
SAR1(W/Kg)	1.035		
SAR2(W/Kg)	1.117		
Ratio	0.033		

LTE2+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-37	-54	-180.4
The position SAR2	-49	44	-183
Ri(mm)	98.76618855		
SAR1(W/Kg)	1.281		
SAR2(W/Kg)	1.117		
Ratio	0.038		



LTE5+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-37.5	-53.5	-180.2
The position SAR2	-49	44	-183
Ri(mm)	98.21578285		
SAR1(W/Kg)	0.972		
SAR2(W/Kg)	1.117		
Ratio	0.031		

LTE7+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-51	-26.5	-180.1
The position SAR2	-49	44	-183
Ri(mm)	70.58795931		
SAR1(W/Kg)	0.662		
SAR2(W/Kg)	1.117		
Ratio	0.034		

LTE12+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-38	-53	-180
The position SAR2	-49	44	-183
Ri(mm)	97.66780432		
SAR1(W/Kg)	1.190		
SAR2(W/Kg)	1.117		
Ratio	0.036		

LTE26+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-38	-53.5	-180.1
The position SAR2	-49	44	-183
Ri(mm)	98.16139771		
SAR1(W/Kg)	1.075		
SAR2(W/Kg)	1.117		
Ratio	0.033		

LTE41+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-50.5	-27.5	-180.3
The position SAR2	-49	44	-183
Ri(mm)	71.56668219		
SAR1(W/Kg)	0.799		
SAR2(W/Kg)	1.117		
Ratio	0.037		

LTE66+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-37	-54	-179.8
The position SAR2	-49	44	-183
Ri(mm)	98.78380434		
SAR1(W/Kg)	1.113		
SAR2(W/Kg)	1.117		
Ratio	0.034		

LTE71+ Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-39.5	-51.5	-181.1
The position SAR2	-49	44	-183
Ri(mm)	95.99015575		
SAR1(W/Kg)	0.797		
SAR2(W/Kg)	1.117		
Ratio	0.028		

n25+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-36.5	-52.5	-182.5
The position SAR2	-49	44	-183
Ri(mm)	97.30750228		
SAR1(W/Kg)	1.148		
SAR2(W/Kg)	1.117		
Ratio	0.035		

n41+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-48.5	-28	-180.3
The position SAR2	-49	44	-183
Ri(mm)	72.05234209		
SAR1(W/Kg)	0.887		
SAR2(W/Kg)	1.117		
Ratio	0.039		

n66+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-38.5	-53.5	-182.1
The position SAR2	-49	44	-183
Ri(mm)	98.06788465		
SAR1(W/Kg)	1.272		
SAR2(W/Kg)	1.117		
Ratio	0.038		

Top Edge, WWAN + Wi-Fi 5GHz

GSM850+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-14.5	106.5	-180.3
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	193.0030052		
SAR1(W/Kg)	0.618		
SAR2(W/Kg)	1.188		
Ratio	0.013		

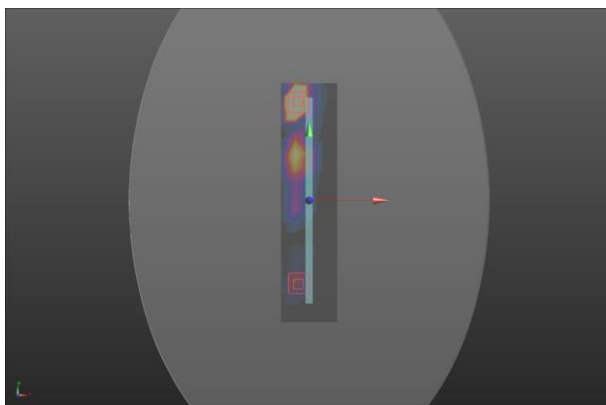
GSM1900+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-15	107	-179.8
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	193.5058397		
SAR1(W/Kg)	0.762		
SAR2(W/Kg)	1.188		
Ratio	0.014		

WCDMA 2+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-16.5	109.5	-180.4
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	196.0235955		
SAR1(W/Kg)	0.595		
SAR2(W/Kg)	1.188		
Ratio	0.012		

WCDMA 4+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-14.5	106	-180.3
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	192.503013		
SAR1(W/Kg)	0.699		
SAR2(W/Kg)	1.188		
Ratio	0.013		

LTE2+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-13.5	108.5	-180.2
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	195.0002308		
SAR1(W/Kg)	0.918		
SAR2(W/Kg)	1.188		
Ratio	0.016		

LTE5+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-16.5	107.5	-180.8
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	194.0252819		
SAR1(W/Kg)	0.726		
SAR2(W/Kg)	1.188		
Ratio	0.014		



LTE12+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-15.5	107	-180.2
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	193.5105682		
SAR1(W/Kg)	0.489		
SAR2(W/Kg)	1.188		
Ratio	0.011		

LTE26+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-15	105.5	-180.3
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	192.0062759		
SAR1(W/Kg)	0.617		
SAR2(W/Kg)	1.188		
Ratio	0.013		

LTE66+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-14.5	108	-181.1
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	194.5062724		
SAR1(W/Kg)	0.796		
SAR2(W/Kg)	1.188		
Ratio	0.014		

n25+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-16	109	-180.4
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	195.5166233		
SAR1(W/Kg)	0.648		
SAR2(W/Kg)	1.188		
Ratio	0.013		

n66+Wi-Fi 5GHz			
	X	Y	Z
The position SAR1	-17	105.5	-180.5
The position SAR2	-13.5	-86.5	-179.9
Ri(mm)	192.0328357		
SAR1(W/Kg)	0.588		
SAR2(W/Kg)	1.188		
Ratio	0.012		

So the Simultaneous transmission SAR with volume scan are not required for Bluetooth, Wi-Fi and WWAN Antenna.

11 Measurement Uncertainty

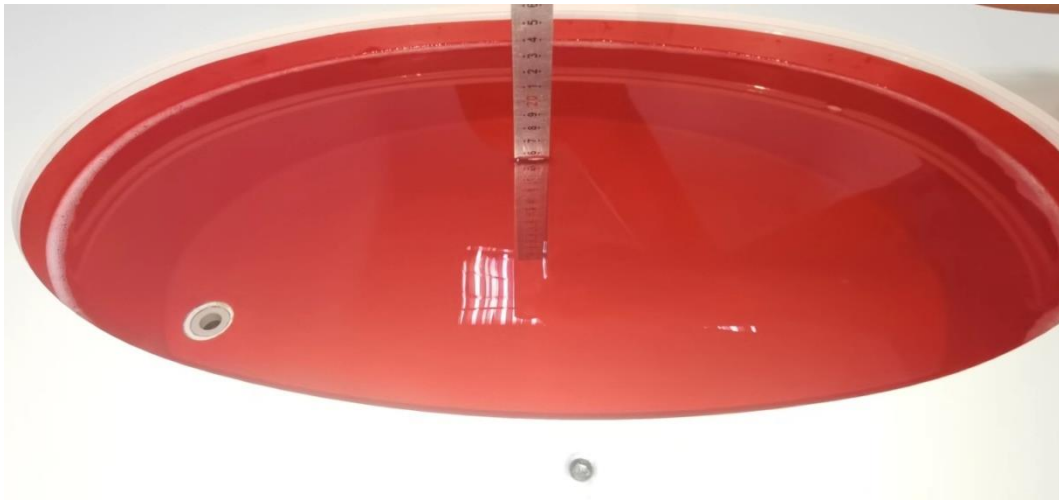
Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528- 2013 is not required in SAR reports submitted for equipment approval.

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 tissue simulating liquid. For SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is > 15 cm, which is shown as below.



Picture 3: 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: D750V3

Date: 2/27/2025

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 - SN7689; ConvF(9.58, 10.07, 10.24); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 2.15 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.165V/m; Power Drift = -0.08 dB

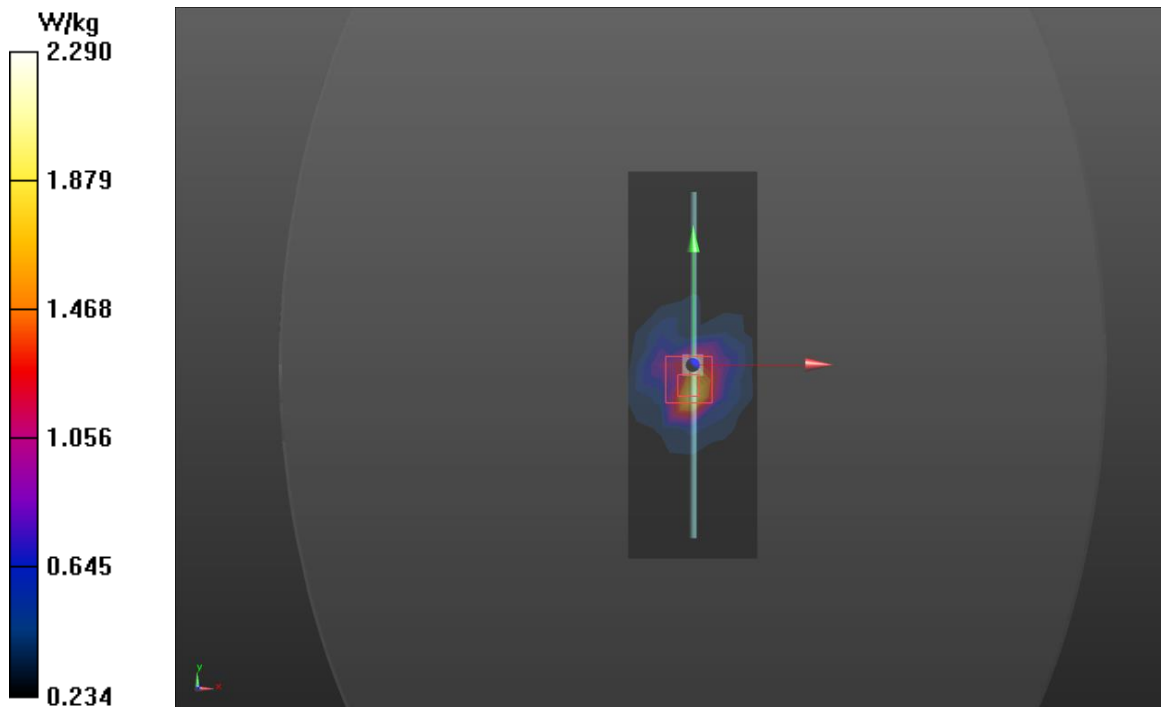
Peak SAR (extrapolated) = 3.16 W/kg

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

Smallest distance from peaks to all points 3 dB below = 8.7 mm

Ratio of SAR at M2 to SAR at M1 = 62.5%

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: D750V3

Date: 2/26/2025

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 - SN7689; ConvF(9.58, 10.07, 10.24); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 2.11 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.515V/m; Power Drift = 0.11 dB

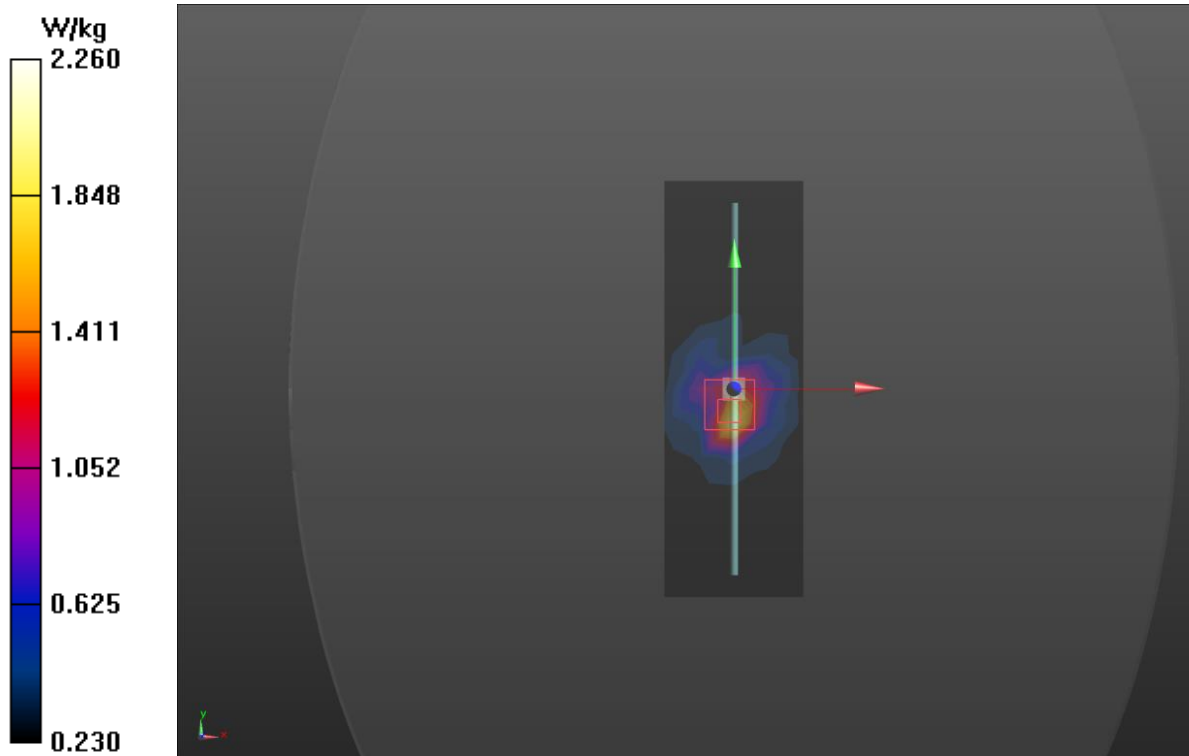
Peak SAR (extrapolated) = 3.02 W/kg

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

Smallest distance from peaks to all points 3 dB below = 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 69.4%

Maximum value of SAR (measured) = 2.260 W/kg



Plot 3 System Performance Check at 835 MHz TSL

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

Date: 2/13/2025

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 - SN7689; ConvF(9.44, 9.92, 10.09); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 2.58 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.241 V/m; Power Drift = -0.076 dB

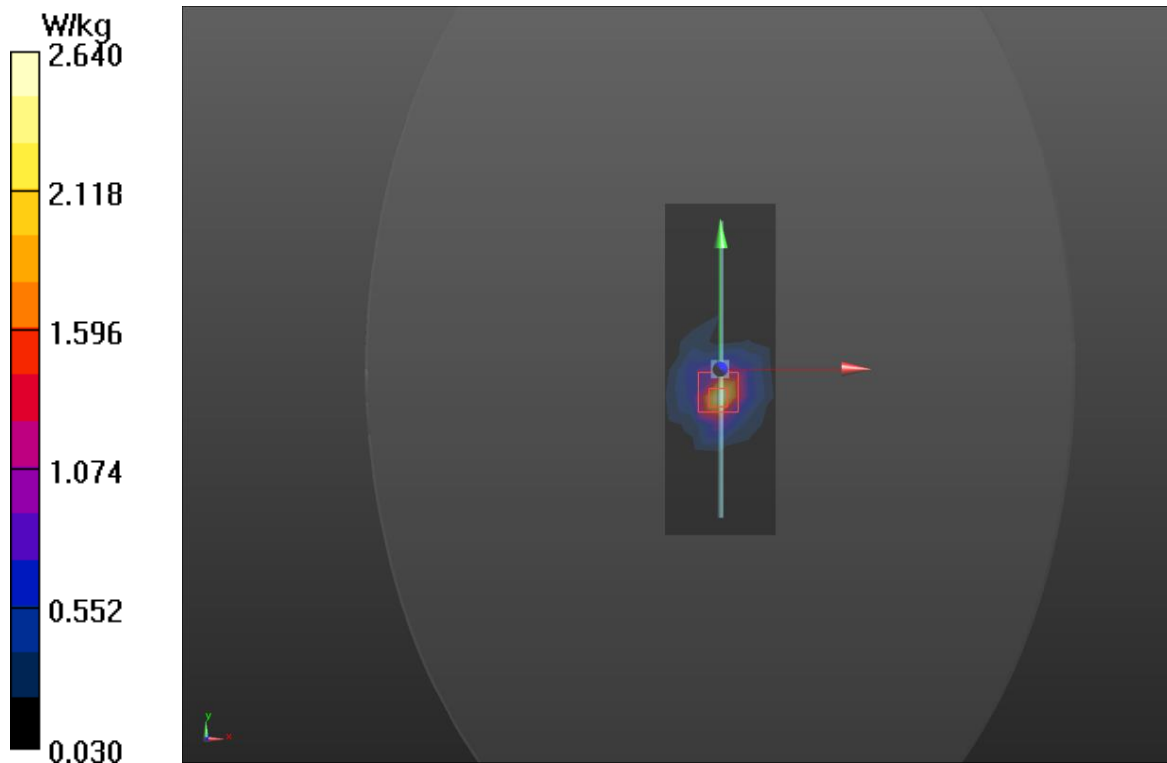
Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg

Smallest distance from peaks to all points 3 dB below = 16.6 mm

Ratio of SAR at M2 to SAR at M1 = 68.1%

Maximum value of SAR (measured) = 2.64 W/kg



Plot 4 System Performance Check at 835 MHz TSL

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

Date: 2/24/2025

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 - SN7689; ConvF(9.44, 9.92, 10.09); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

dz=5mm

Reference Value = 52.023 V/m; Power Drift = -0.06 dB

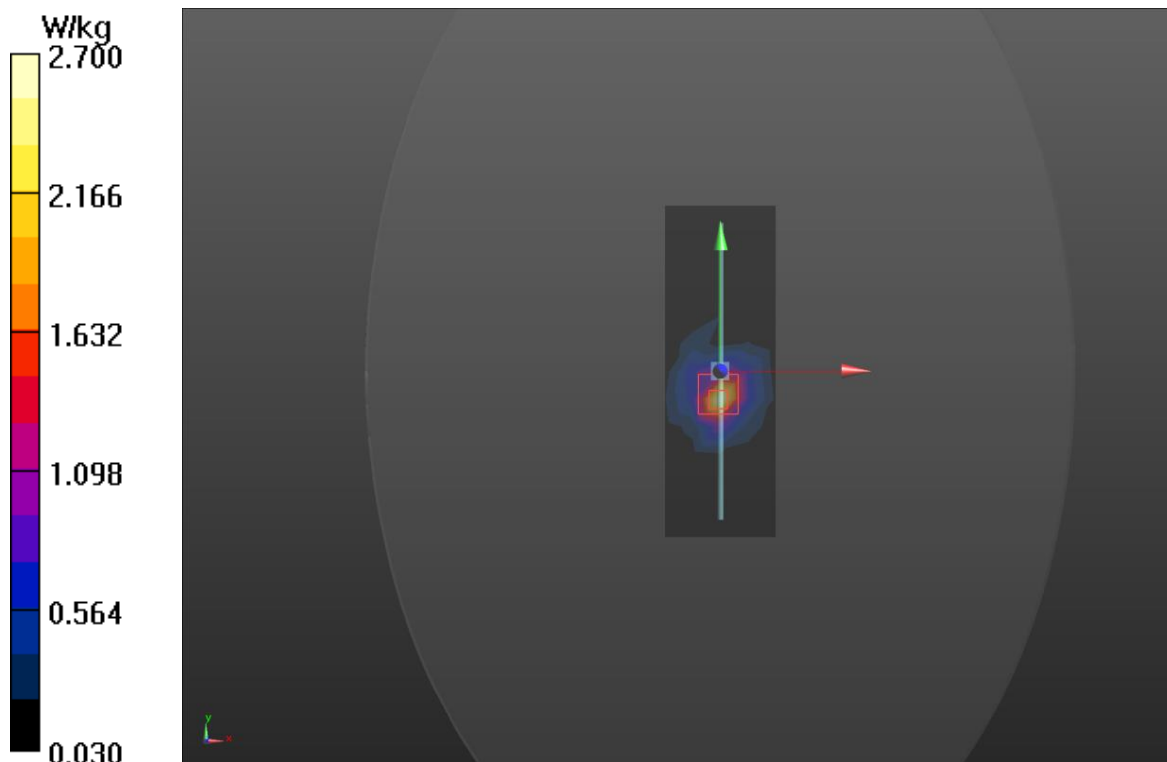
Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.65 W/kg

Smallest distance from peaks to all points 3 dB below = 15.7 mm

Ratio of SAR at M2 to SAR at M1 = 65.4%

Maximum value of SAR (measured) = 2.70 W/kg



Plot 5 System Performance Check at 835 MHz TSL

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

Date: 2/28/2025

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 - SN7689; ConvF(9.44, 9.92, 10.09); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 2.52 W/kg

d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

dz=5mm

Reference Value = 54.435 V/m; Power Drift = -0.014 dB

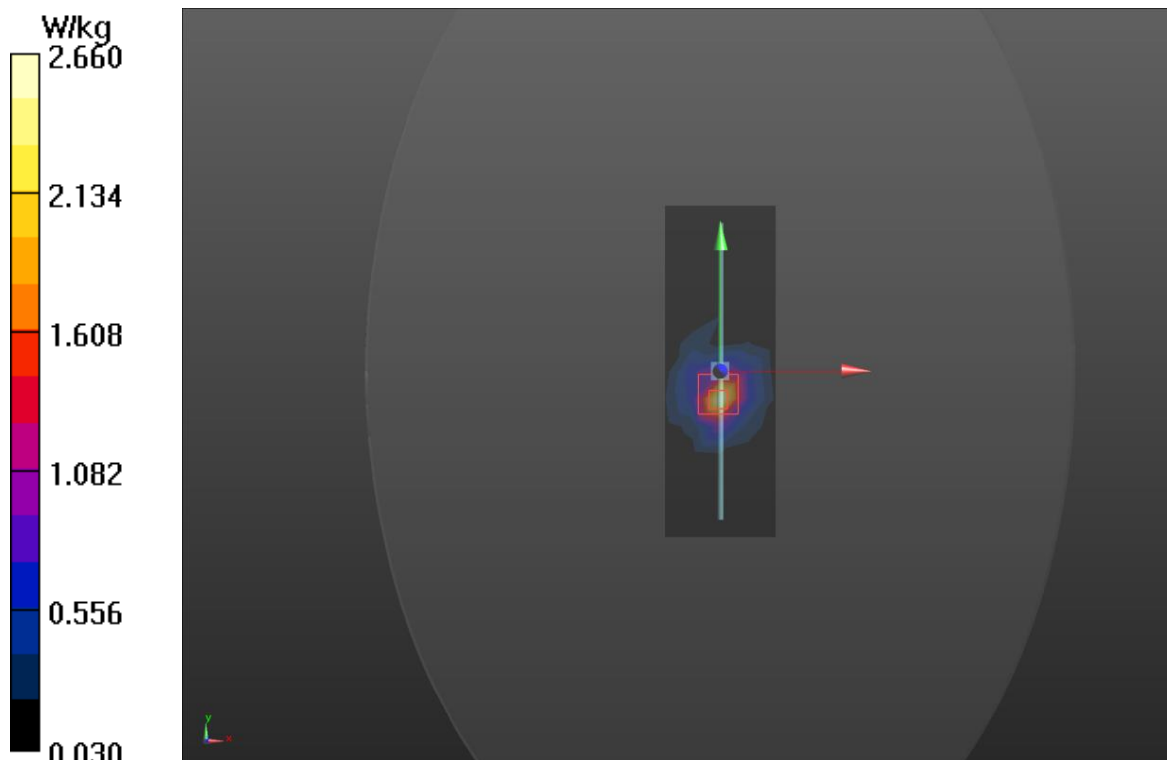
Peak SAR (extrapolated) = 3.18 W/kg

SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.61 W/kg

Smallest distance from peaks to all points 3 dB below = 16.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.8%

Maximum value of SAR (measured) = 2.660 W/kg



Plot 6 System Performance Check at 1750 MHz TSL

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

Date: 2/14/2025

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 - SN7689; ConvF(8.01, 8.42, 8.56); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 9.18 W/kg

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

Reference Value = 80.385 V/m; Power Drift = 0.075 dB

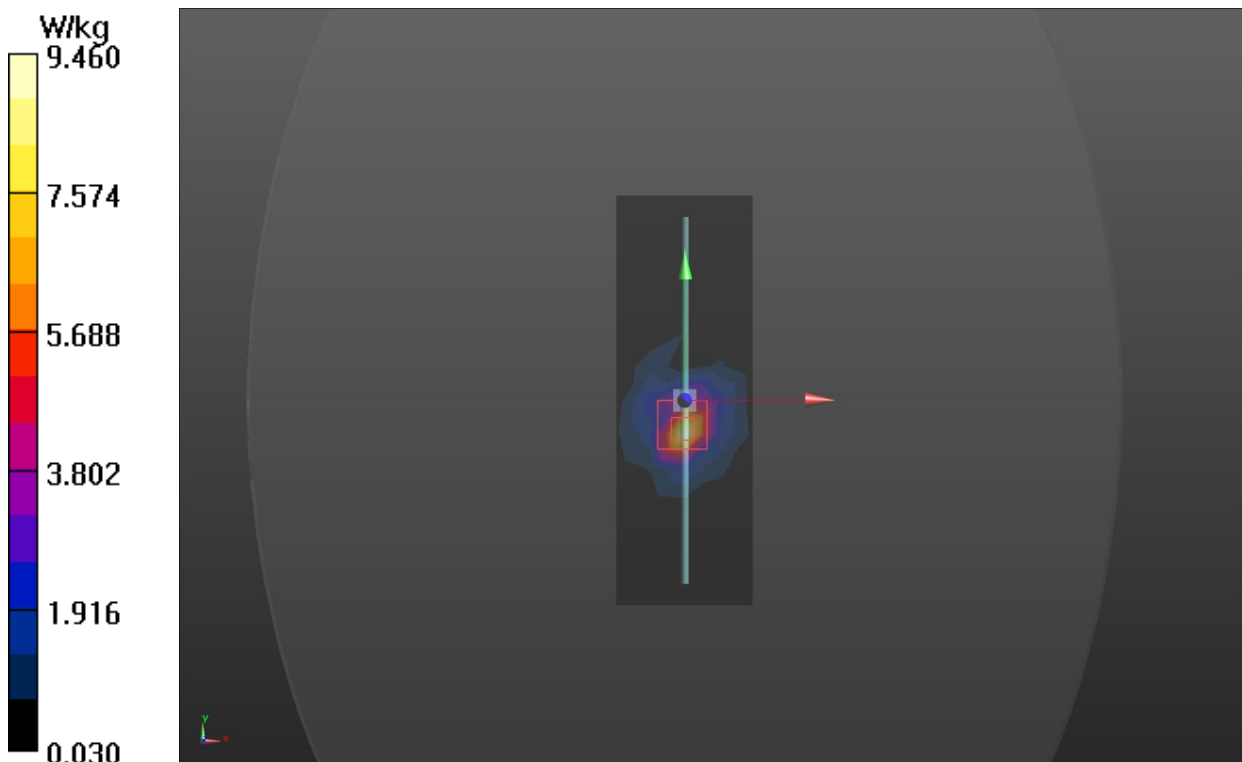
Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 8.95 W/kg; SAR(10 g) = 4.8 W/kg

Smallest distance from peaks to all points 3 dB below = 10mm

Ratio of SAR at M2 to SAR at M1 = 53.5%

Maximum value of SAR (measured) = 9.46 W/kg



Plot 7 System Performance Check at 1750 MHz TSL

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

Date: 2/18/2025

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 - SN7689; ConvF(8.01, 8.42, 8.56); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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 W/kg

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

Reference Value = 80.134 V/m; Power Drift = 0.055 dB

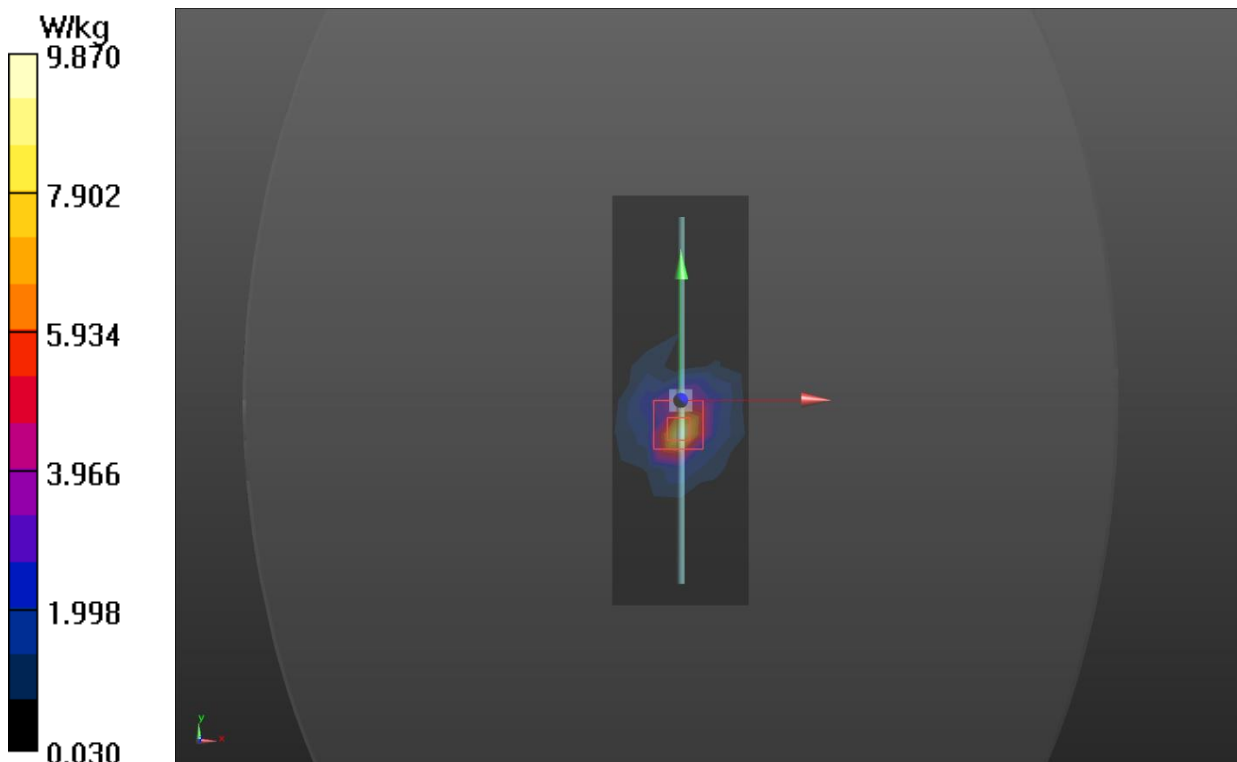
Peak SAR (extrapolated) = 15.81 W/kg

SAR(1 g) = 9.11 W/kg; SAR(10 g) = 4.77 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6mm

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 9.87 W/kg



Plot 8System Performance Check at 1750 MHz TSL

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

Date: 2/21/2025

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.36$ 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 - SN7689; ConvF(8.01, 8.42, 8.56); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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 W/kg

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

Reference Value =78.648 V/m; Power Drift = 0.023 dB

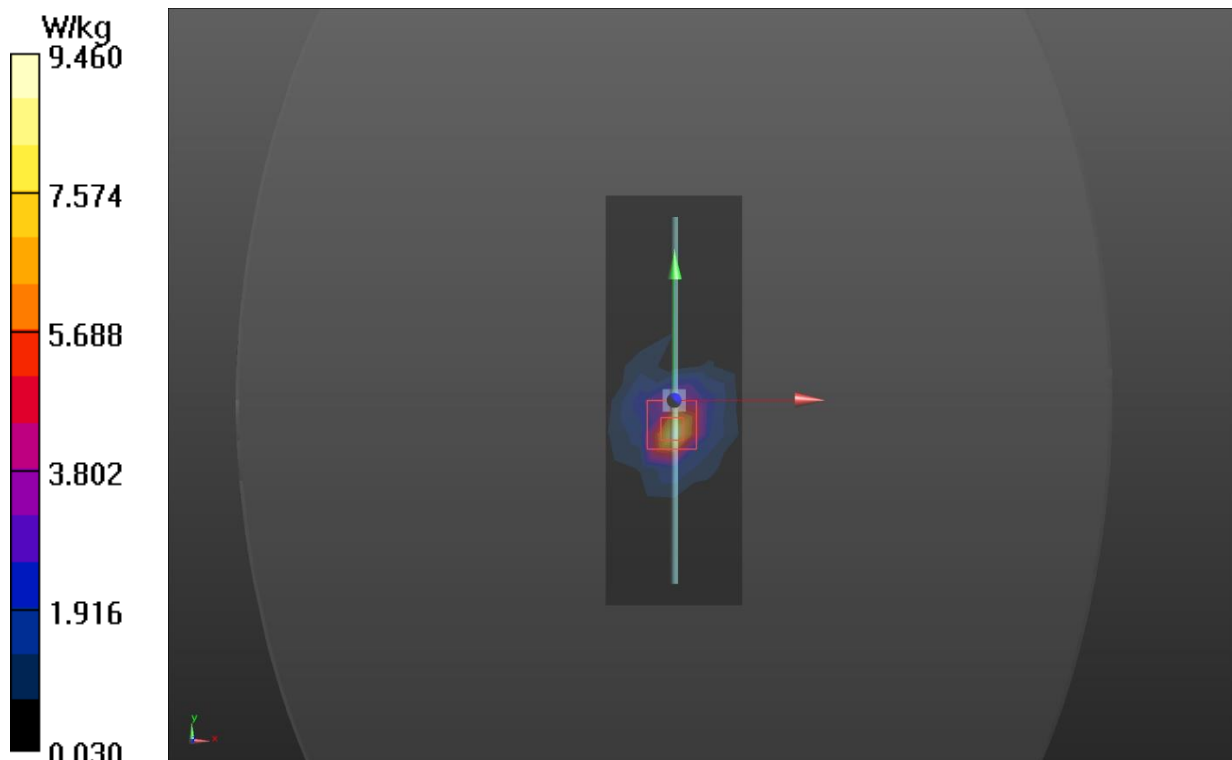
Peak SAR (extrapolated) = 15.74 W/kg

SAR(1 g) = 8.96 W/kg; SAR(10 g) = 4.75 W/kg

Smallest distance from peaks to all points 3 dB below = 10.6mm

Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 9.46 W/kg



Plot 9 System Performance Check at 1900 MHz TSL

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

Date: 2/15/2025

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 - SN7689; ConvF(7.88, 8.28, 8.42); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 10.23 W/kg

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

Reference Value = 85.857V/m; Power Drift = 0.026 dB

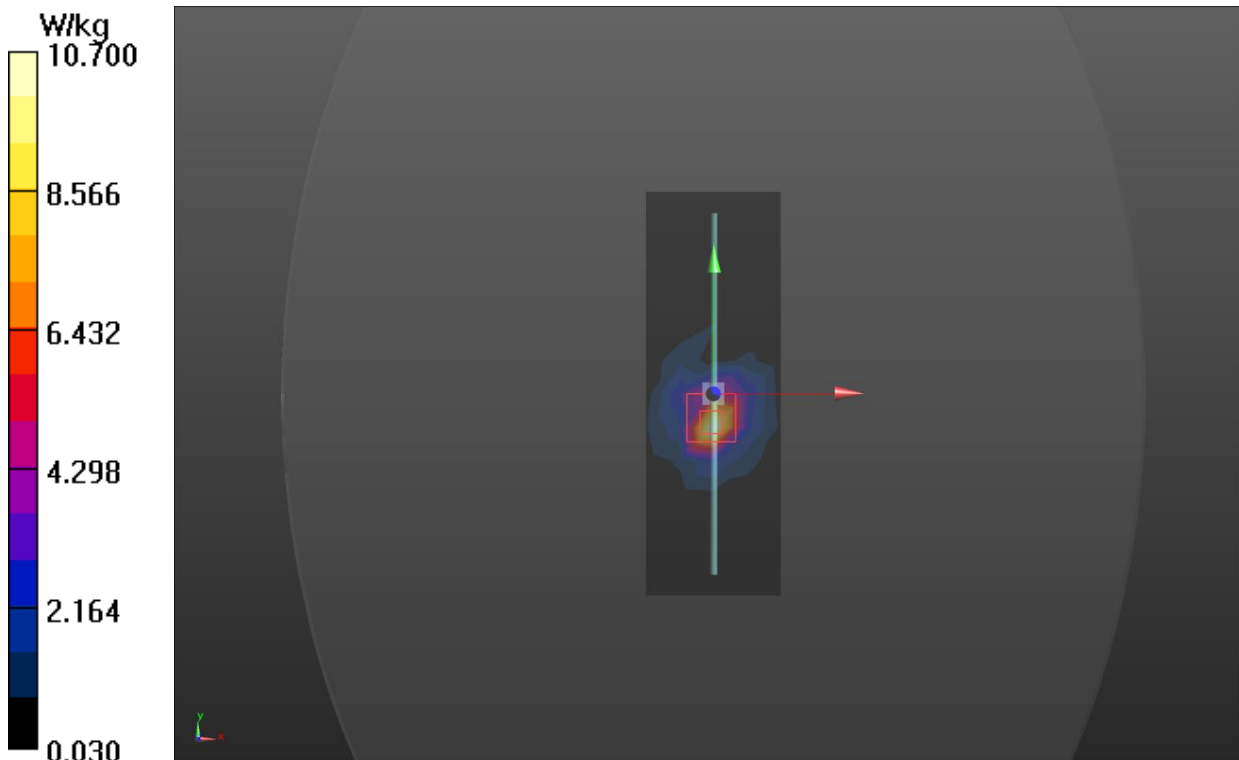
Peak SAR (extrapolated) = 17.84 W/kg

SAR(1 g) = 9.88 W/kg; SAR(10 g) = 4.9 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 10.70 W/kg



Plot 10 System Performance Check at 1900 MHz TSL

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

Date: 2/22/2025

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.43$ 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 - SN7689; ConvF(7.88, 8.28, 8.42); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 10.43 W/kg

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

dz=5mm

Reference Value = 87.324 V/m; Power Drift = 0.013 dB

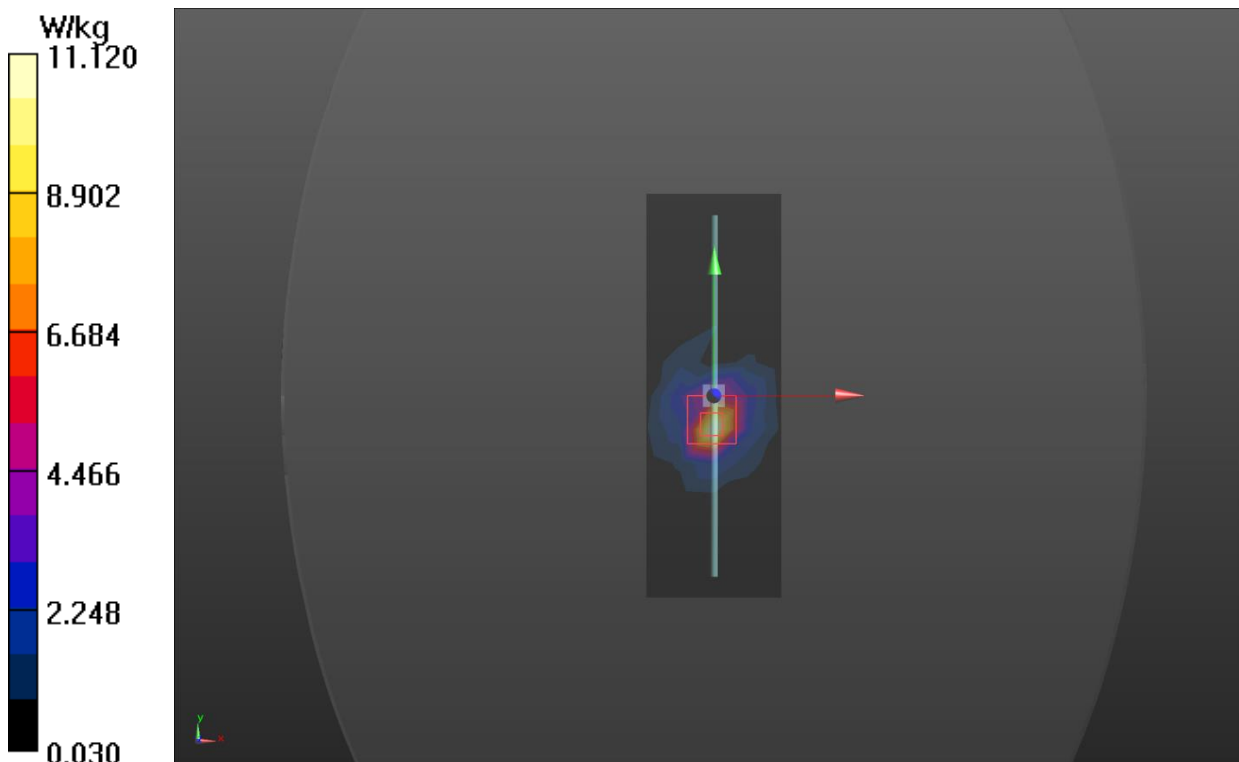
Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 9.85 W/kg; SAR(10 g) = 4.93 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2mm

Ratio of SAR at M2 to SAR at M1 = 56.3%

Maximum value of SAR (measured) = 11.12 W/kg



Plot 11 System Performance Check at 1900 MHz

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

Date: 2/28/2025

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.40$ 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 - SN7689; ConvF(7.88, 8.28, 8.42); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 9.86 W/kg

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

dz=5mm

Reference Value = 88.368 V/m; Power Drift = 0.013 dB

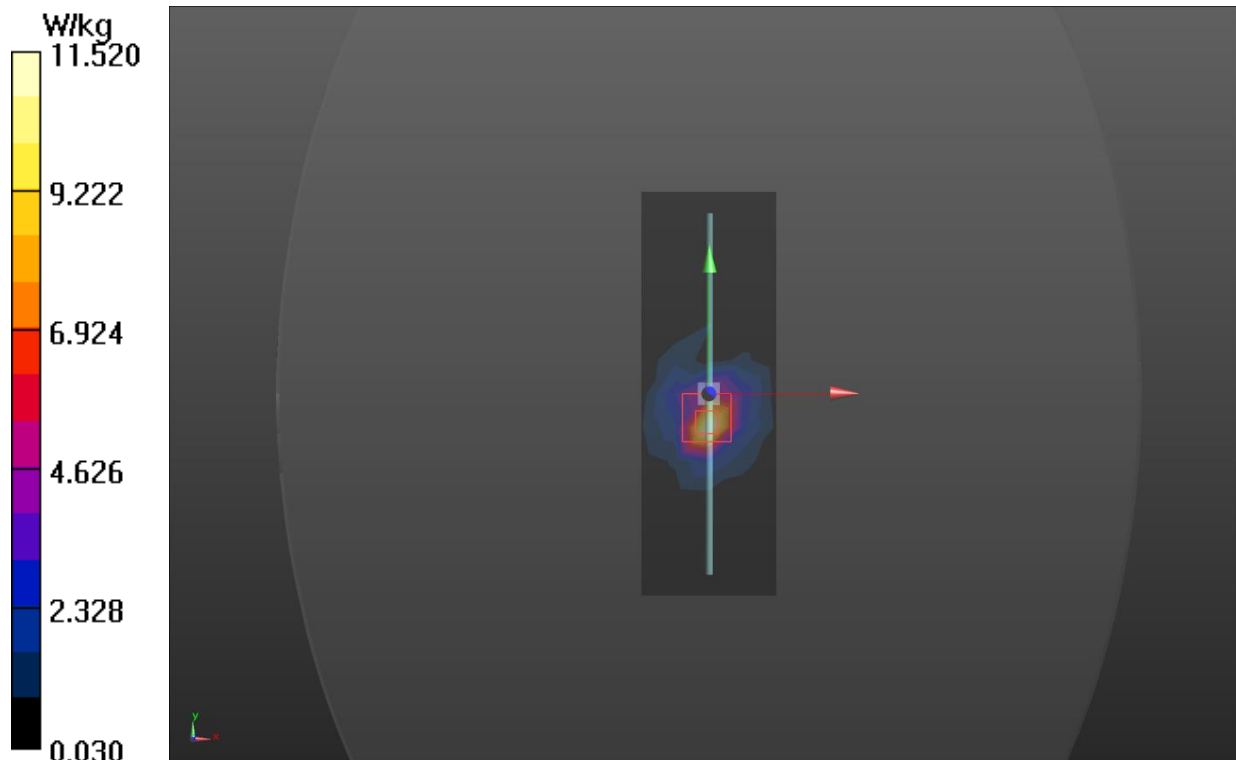
Peak SAR (extrapolated) = 20.12 W/kg

SAR(1 g) = 9.55 W/kg; SAR(10 g) = 4.99 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

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



Plot 12 System Performance Check at 2450 MHz TSL

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

Date: 2/17/2025

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 - SN7689; ConvF(7.62, 8.01, 8.14); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 14.26 W/kg

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

dz=5mm

Reference Value = 88.834 V/m; Power Drift = 0.015 dB

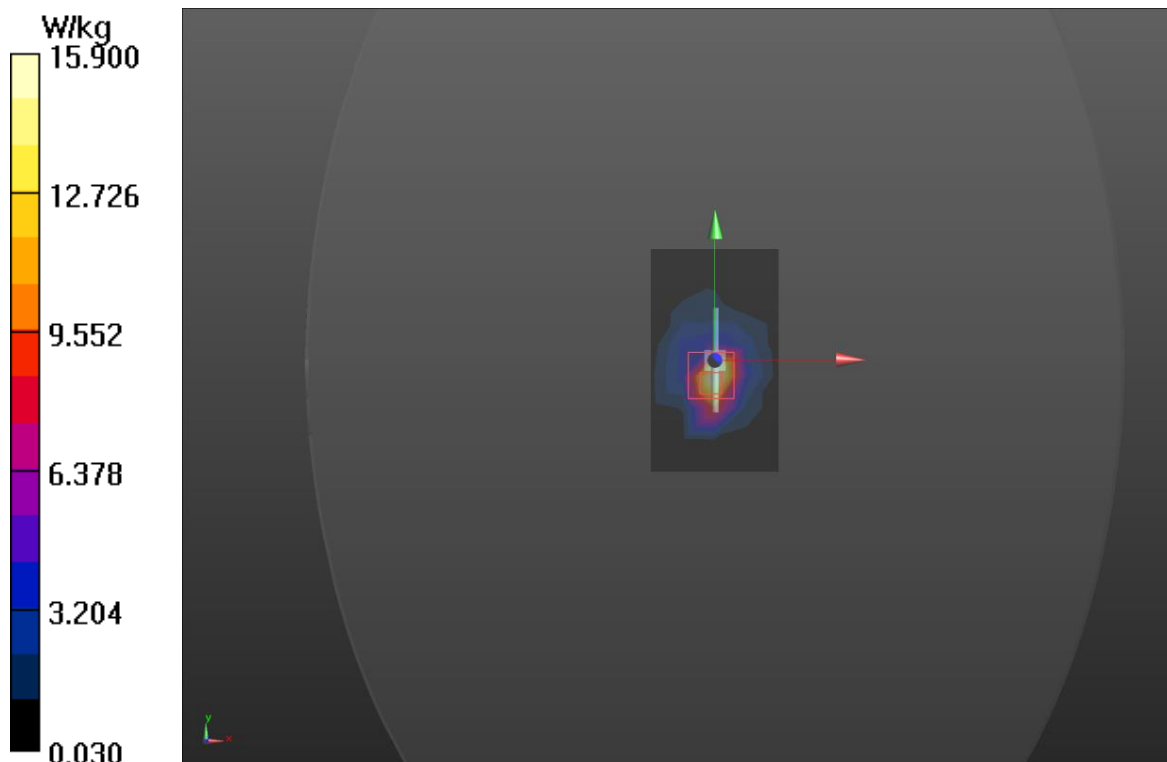
Peak SAR (extrapolated) = 30.10 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.22 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 47%

Maximum value of SAR (measured) = 15.90 W/kg



Plot 13 System Performance Check at 2600 MHz TSL

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

Date: 2/18/2025

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

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 - SN7689; ConvF(7.39, 7.77, 7.89); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 14.43 W/kg

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

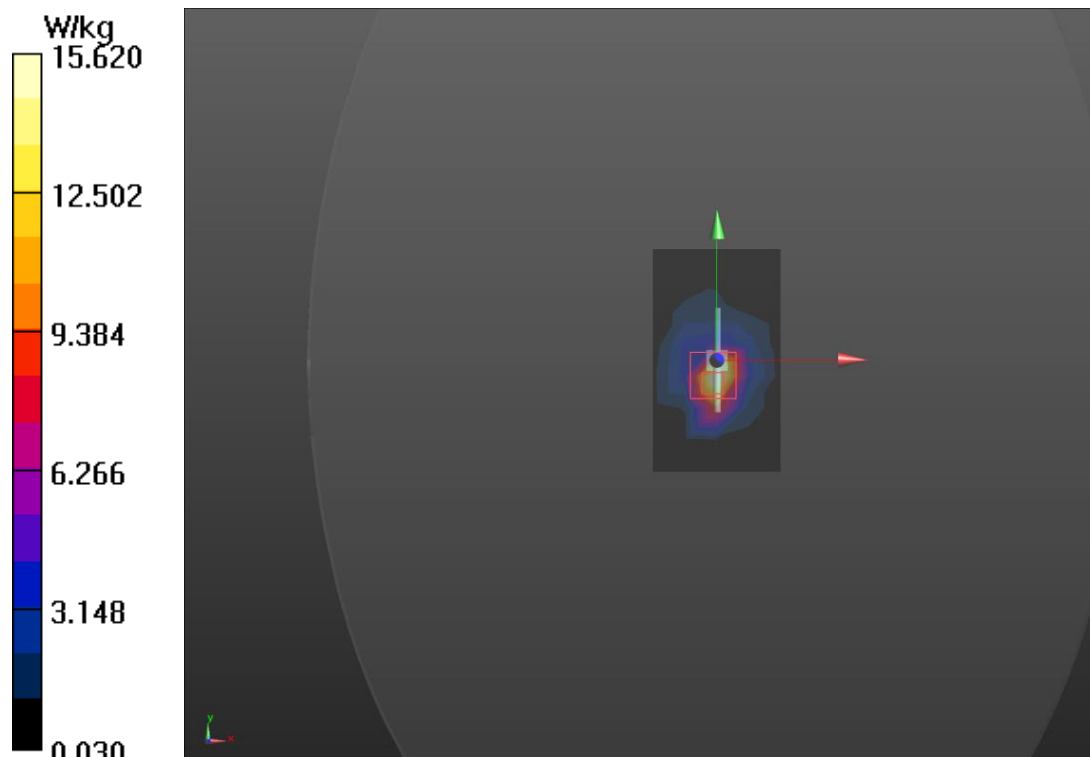
Peak SAR (extrapolated) = 31.85W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.07 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 44.2%

Maximum value of SAR (measured) = 15.62 W/kg



Plot 14 System Performance Check at 2600 MHz TSL

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

Date: 2/19/2025

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

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 - SN7689; ConvF(7.39, 7.77, 7.89); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 15.02 W/kg

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

dz=5mm

Reference Value = 84.359 V/m; Power Drift = -0.015 dB

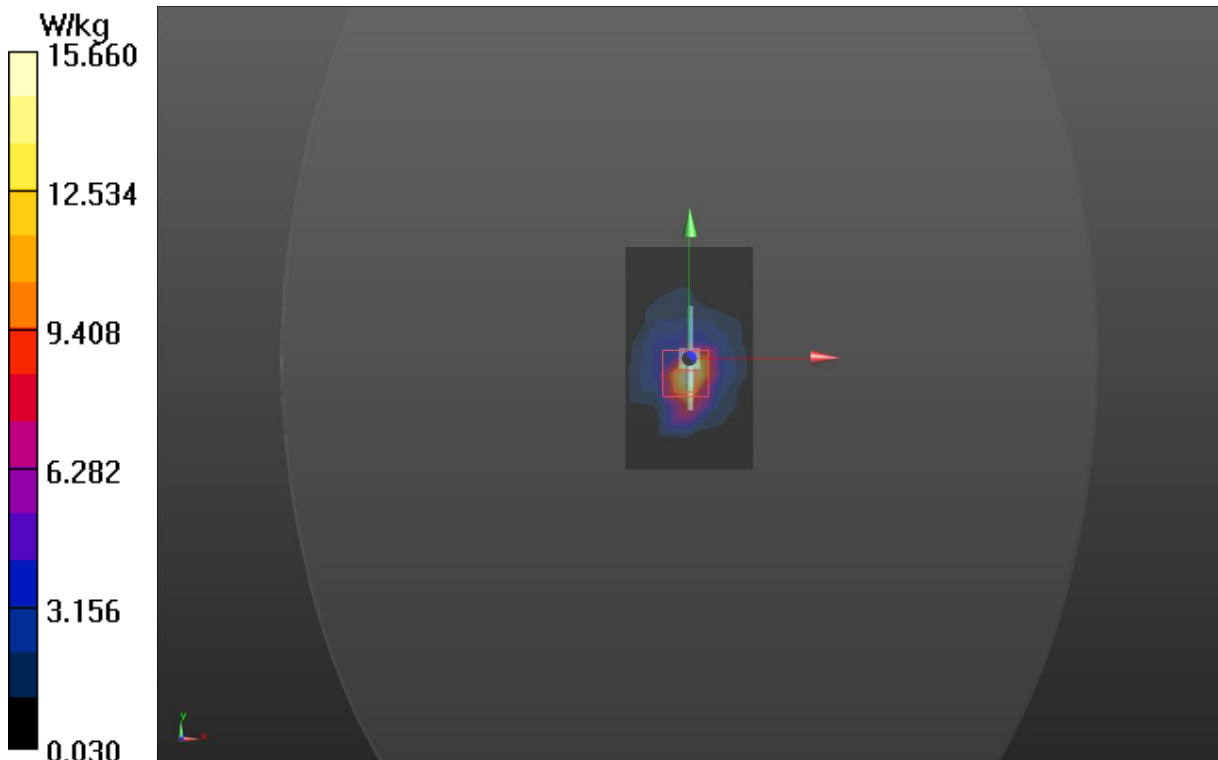
Peak SAR (extrapolated) = 30.62 W/kg

SAR(1 g) = 13.88 W/kg; SAR(10 g) = 6.09 W/kg

Smallest distance from peaks to all points 3 dB below = 10.3 mm

Ratio of SAR at M2 to SAR at M1 = 48.6%

Maximum value of SAR (measured) = 15.66 W/kg



Plot 15 System Performance Check at 2600 MHz TSL

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

Date: 2/20/2025

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

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 - SN7689; ConvF(7.39, 7.77, 7.89); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 14.20 W/kg

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

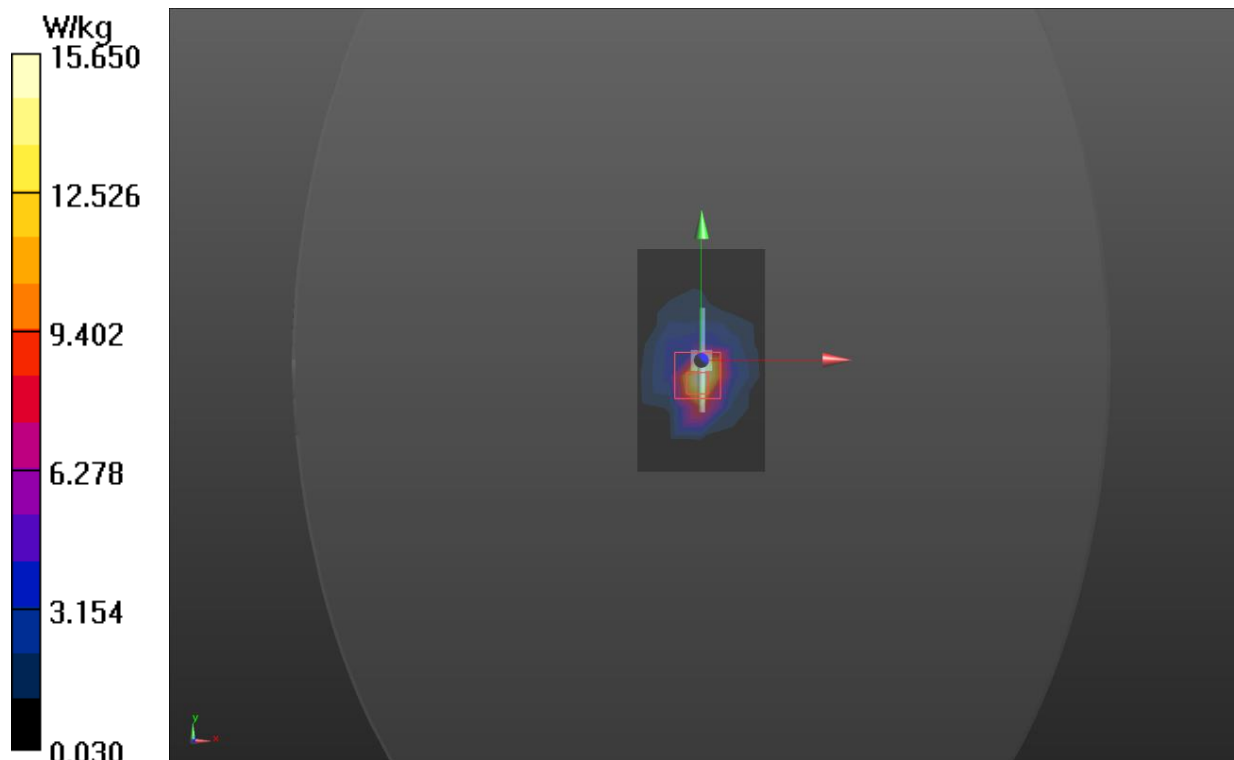
Peak SAR (extrapolated) = 31.85 W/kg

SAR(1 g) = 13.94 W/kg; SAR(10 g) = 6.11 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 47.1%

Maximum value of SAR (measured) = 15.650 W/kg



Plot 16 System Performance Check at 2600 MHz TSL

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

Date: 3/5/2025

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 38.5$; $\rho = 1000$ 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 - SN7689; ConvF(7.39, 7.77, 7.89); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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) = 15.19 W/kg

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

Reference Value = 82.192 V/m; Power Drift = -0.012 dB

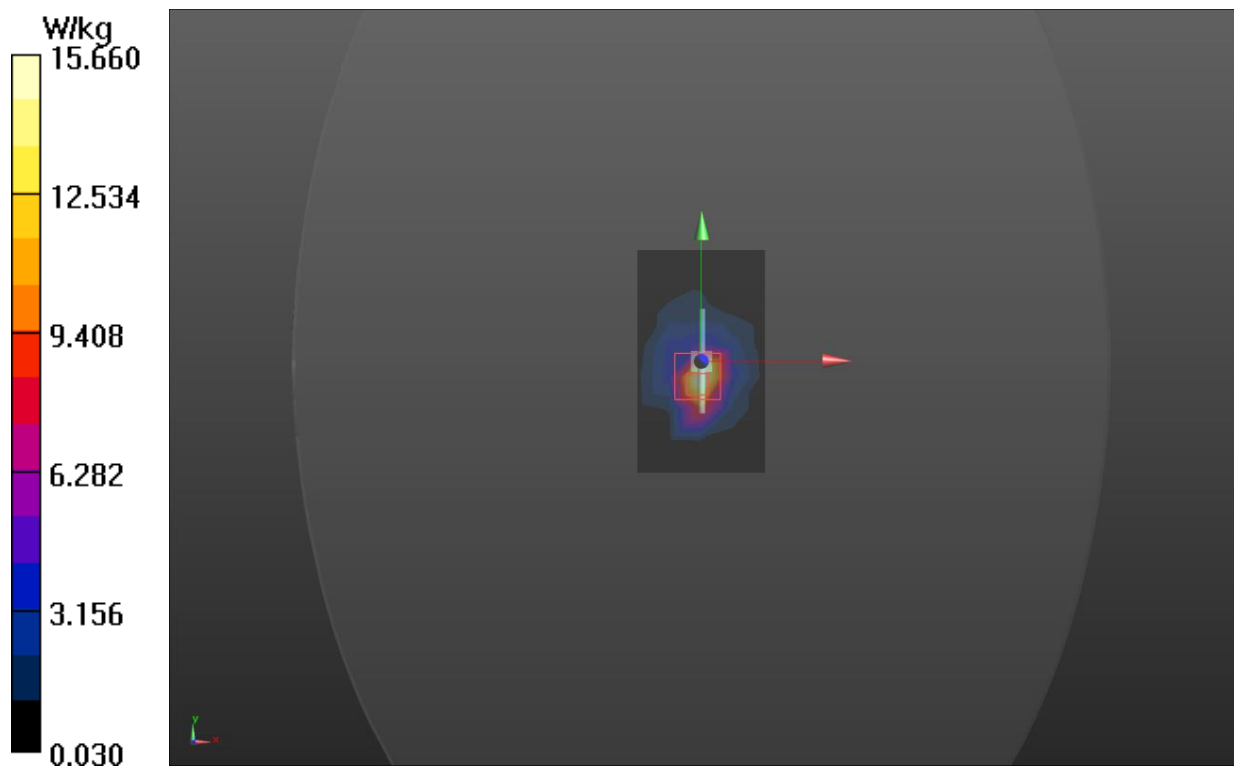
Peak SAR (extrapolated) = 29.65 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.09 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 43.5%

Maximum value of SAR (measured) = 15.66 W/kg



Plot 17 System Performance Check at 5250 MHz TSL

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

Date: 2/19/2025

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 - SN7689; ConvF(5.87, 6.17, 6.27); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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 W/kg

d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 33.654 V/m; Power Drift = -0.095 dB

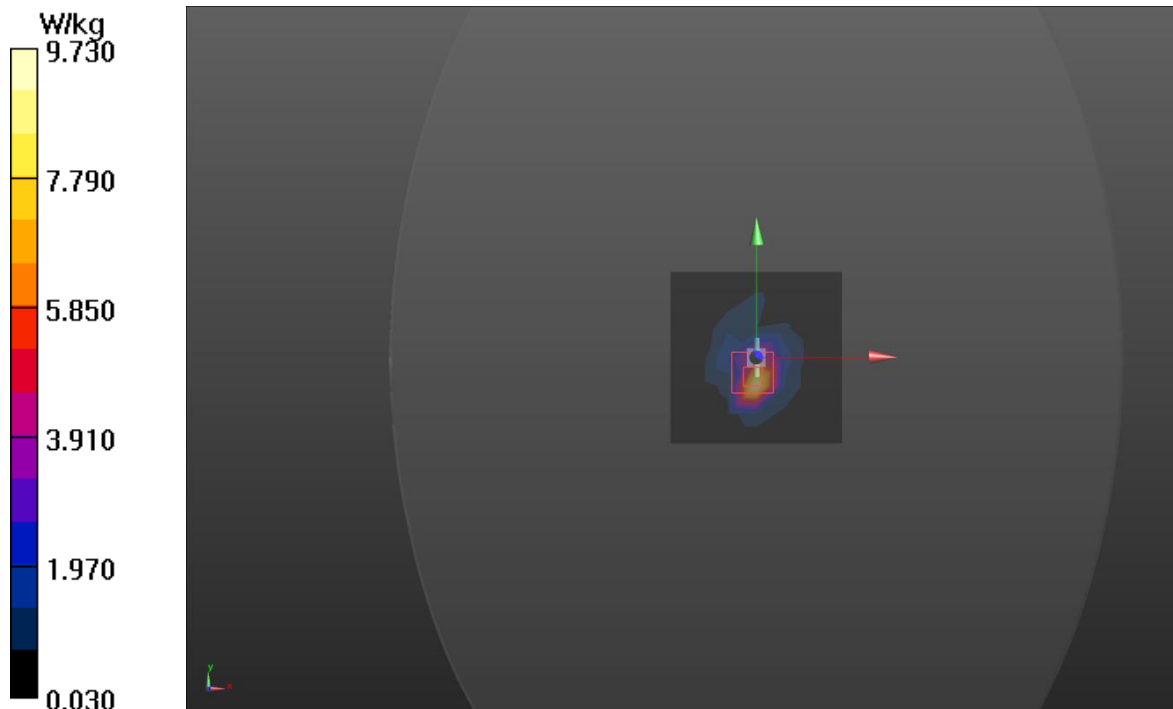
Peak SAR (extrapolated) = 52.20 W/kg

SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.25 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 63%

Maximum value of SAR (measured) = 9.73 W/kg



Plot 18 System Performance Check at 5600 MHz TSL

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

Date: 2/17/2025

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 - SN7689; ConvF(5.33, 5.60, 5.70); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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 W/kg

d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 23.142 V/m; Power Drift = -0.028 dB

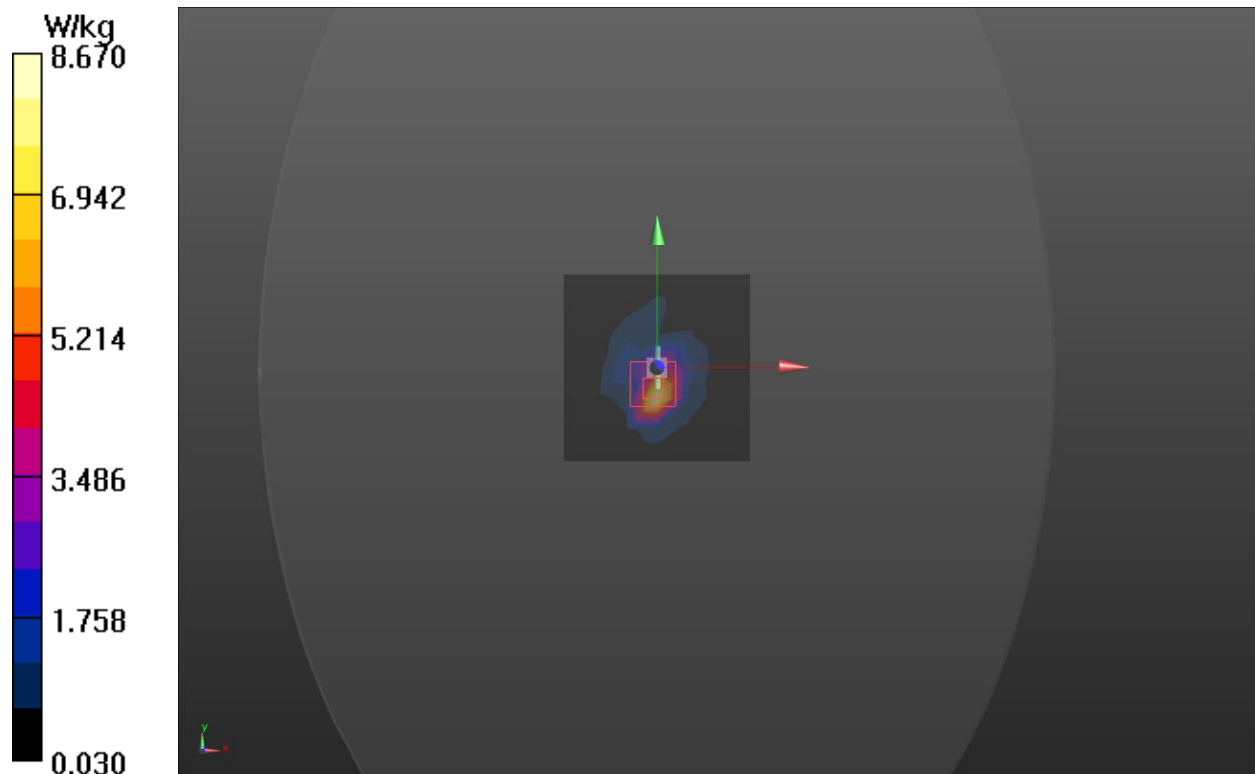
Peak SAR (extrapolated) = 22.9 W/kg

SAR(1 g) = 7.67 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

Maximum value of SAR (measured) = 8.67 W/kg



Plot 19 System Performance Check at 5750 MHz TSL

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

Date: 2/19/2025

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 - SN7689; ConvF(5.31, 5.59, 5.68); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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 W/kg

d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

dz=1.4mm

Reference Value = 25.26 V/m; Power Drift = 0.044 dB

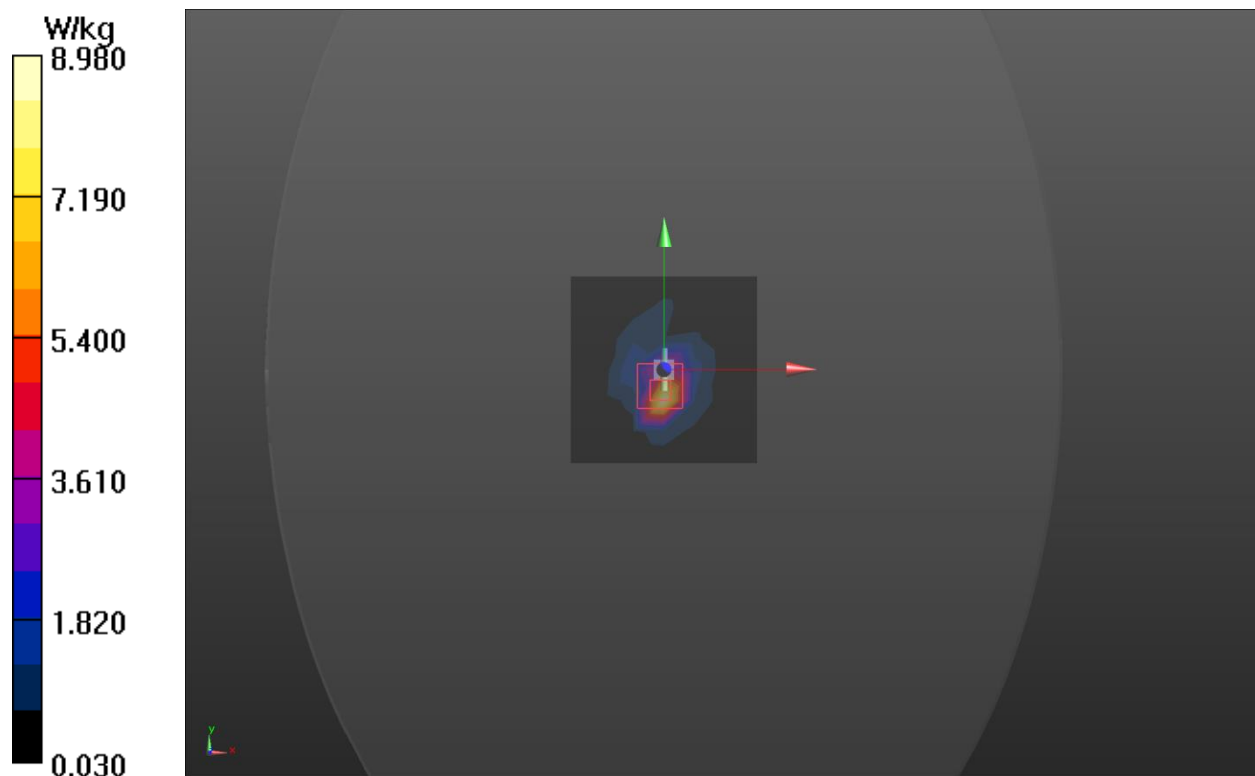
Peak SAR (extrapolated) = 23.4 W/kg

SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.8 mm

Ratio of SAR at M2 to SAR at M1 = 59.4%

Maximum value of SAR (measured) = 8.98 W/kg



ANNEX C: Highest Graph Results

Plot 20 GSM 850 GPRS(4TX) Back Side 0mm Mid

Date: 2/13/2025

Communication System: UID 0, GPRS 4TX (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.07

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.948$ S/m; $\epsilon_r = 42.274$; $\rho = 1000$ 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 - SN7689; ConvF(9.44, 9.92, 10.09); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

GSM 850 GPRS(4TX) Back Side 0mm/Mid/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.14 W/kg

GSM 850 GPRS(4TX) Back Side 0mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.18 V/m; Power Drift = -0.05 dB

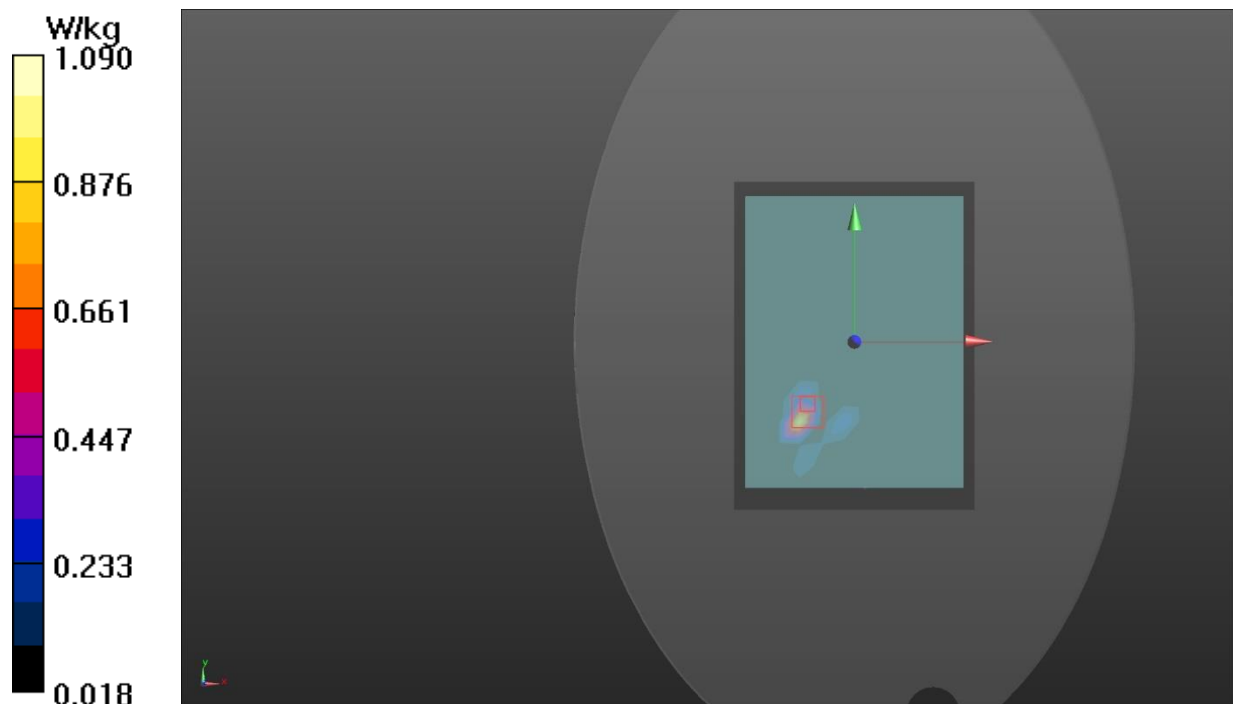
Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 0.961 W/kg; SAR(10 g) = 0.508 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 1.09 W/kg



Plot 21 GSM 1900 GPRS(4TX) Back Side 0mm Mid

Date: 2/15/2025

Communication System: UID 0, GPRS 4TX (0); Frequency: 1880 MHz; Duty Cycle: 1:2.07

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 38.43$; $\rho = 1000$ 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 - SN7689; ConvF(7.88, 8.28, 8.42); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

GSM 1900 GPRS(4TX) Back Side 0mm/Mid/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.859 W/kg

GSM 1900 GPRS(4TX) Back Side 0mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.323 V/m; Power Drift = -0.06 dB

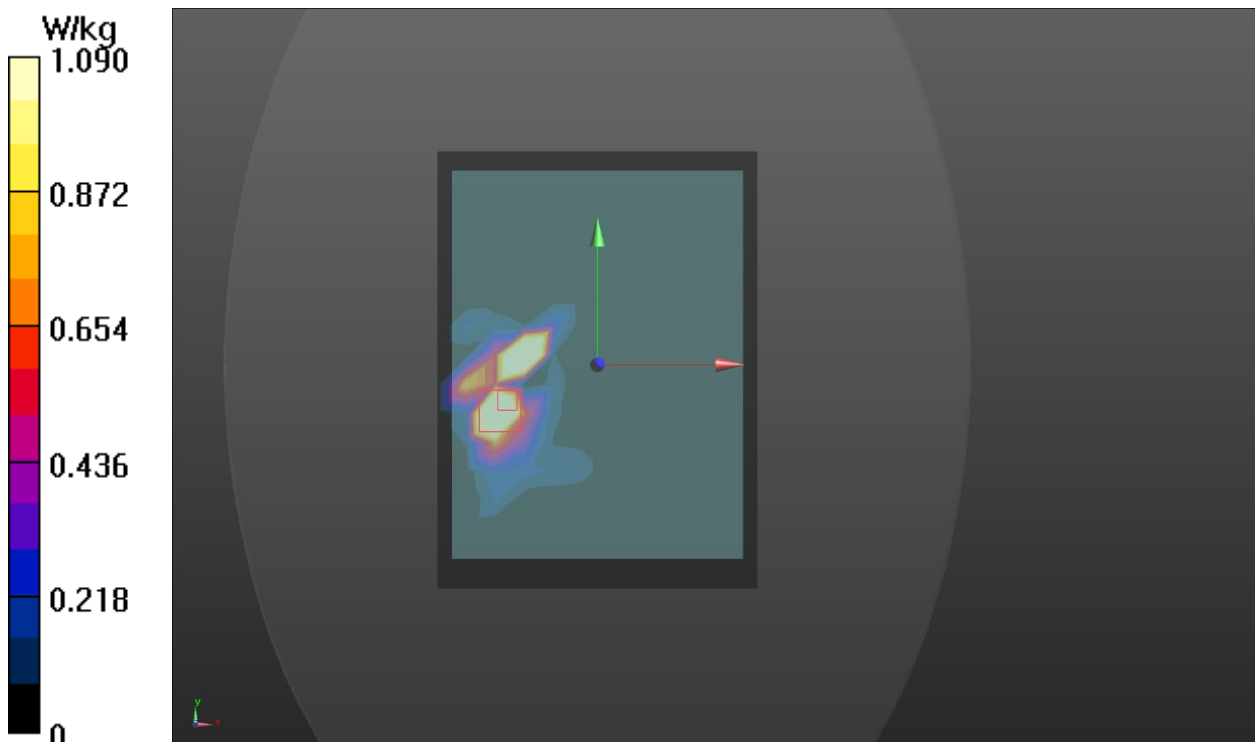
Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 0.914 W/kg; SAR(10 g) = 0.323 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 43.2%

Maximum value of SAR (measured) = 1.09 W/kg



Plot 22 WCDMA B2 Back Side 0mm Low

Date: 2/15/2025

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 38.598$; $\rho = 1000$ 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 - SN7689; ConvF(7.88, 8.28, 8.42); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

WCDMA B2 Back Side 0mm/Low/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.860 W/kg

WCDMA B2 Back Side 0mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.869 V/m; Power Drift = -0.050 dB

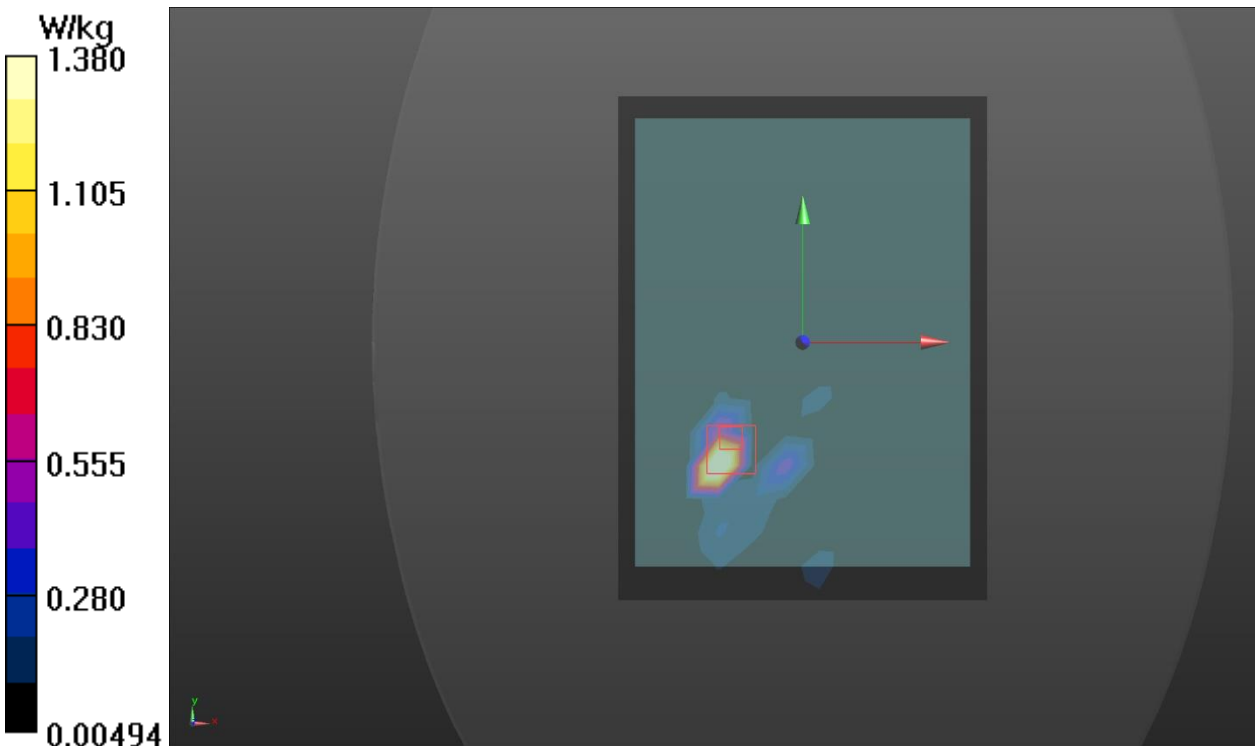
Peak SAR (extrapolated) = 2.78 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.480 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 41.3%

Maximum value of SAR (measured) = 1.38 W/kg



Plot 23 WCDMA B4 Back Side 0mm Mid

Date: 2/14/2025

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

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.283$ S/m; $\epsilon_r = 38.91$; $\rho = 1000$ 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 - SN7689; ConvF(8.01, 8.42, 8.56); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

WCDMA B4 Back Side 0mm/Mid/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.731 W/kg

WCDMA B4 Back Side 0mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 8.203 V/m; Power Drift = 0.019 dB

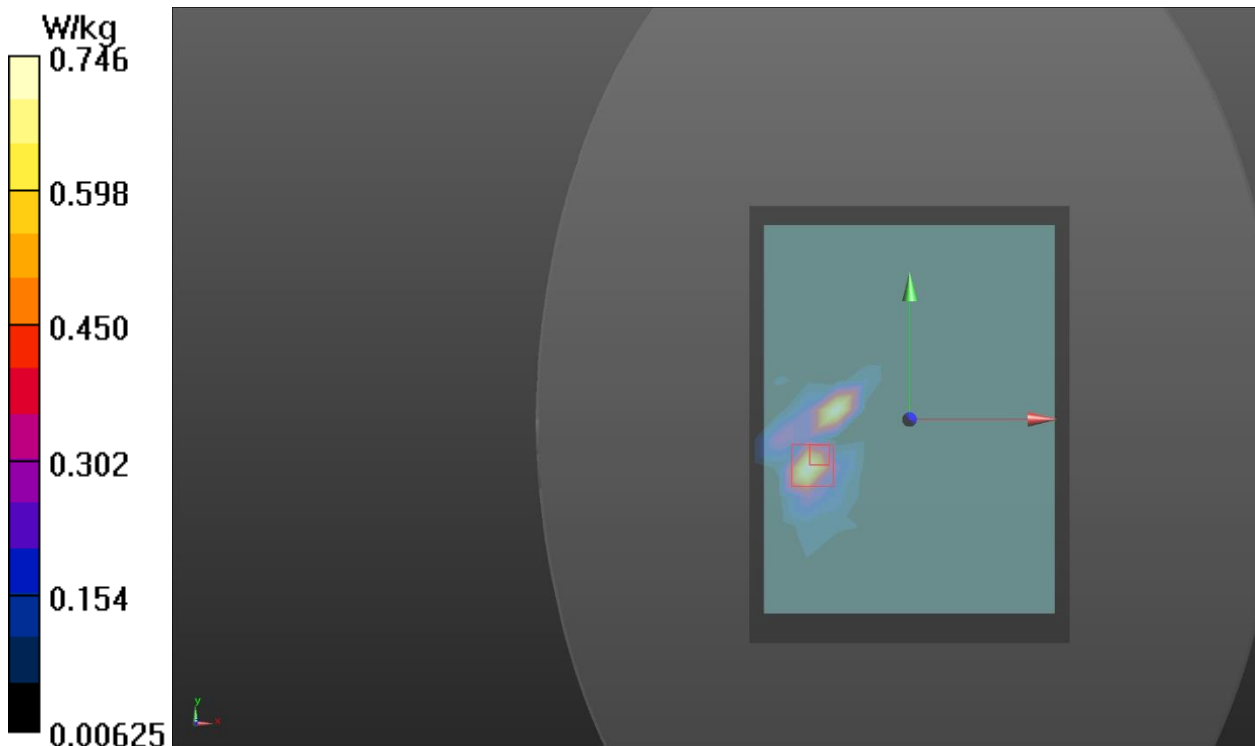
Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.341 W/kg

Smallest distance from peaks to all points 3 dB below = 17.2 mm

Ratio of SAR at M2 to SAR at M1 = 45.8%

Maximum value of SAR (measured) = 0.746 W/kg



Plot 24 WCDMA B5 Back Side 0mm Low

Date: 2/13/2025

Communication System: UID 0, WCDMA (0); Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.944$ S/m; $\epsilon_r = 42.355$; $\rho = 1000$ 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 - SN7689; ConvF(9.44, 9.92, 10.09); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

WCDMA B5 Back Side 0mm/Low/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.841 W/kg

WCDMA B5 Back Side 0mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.53 V/m; Power Drift = -0.040 dB

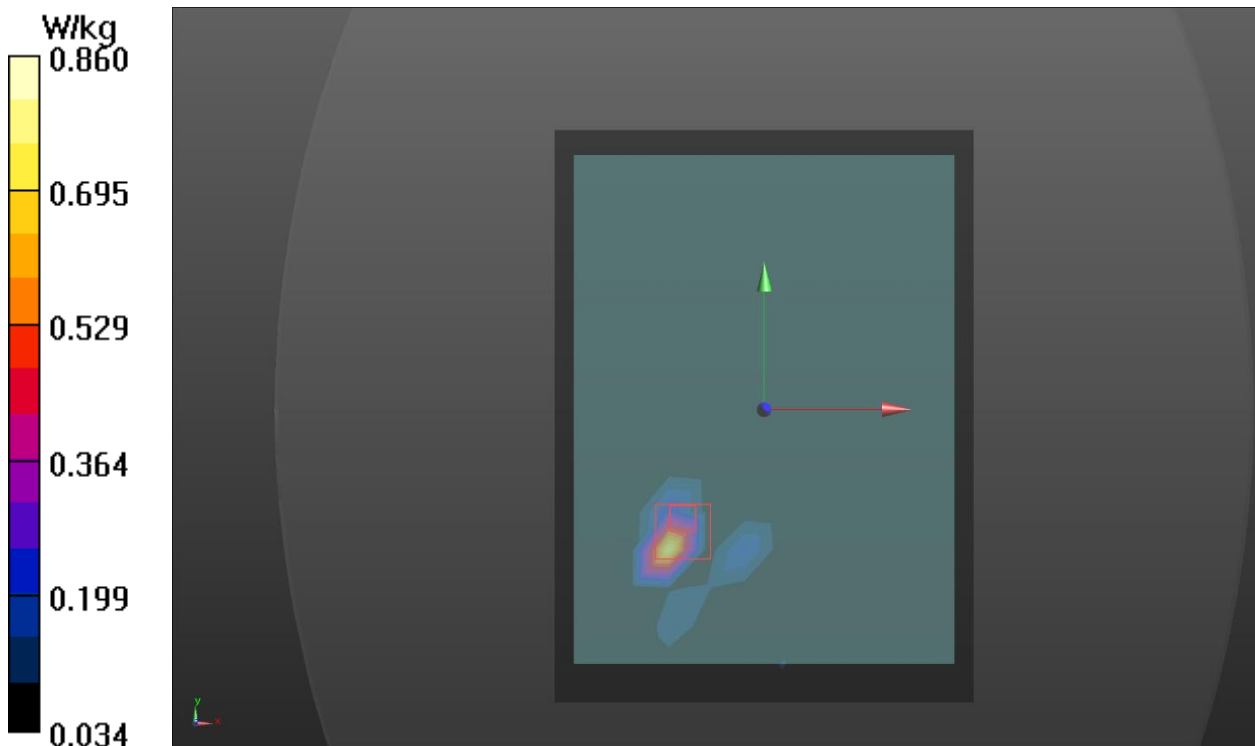
Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.446 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.1%

Maximum value of SAR (measured) = 0.860 W/kg



Plot 25 LTE B2 50% Back Side 0mm Low

Date: 2/28/2025

Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 38.557$; $\rho = 1000$ 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 - SN7689; ConvF(7.88, 8.28, 8.42); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B2 50% Back Side 0mm/Low/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.17 W/kg

LTE B2 50% Back Side 0mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 7.630 V/m; Power Drift = -0.080 dB

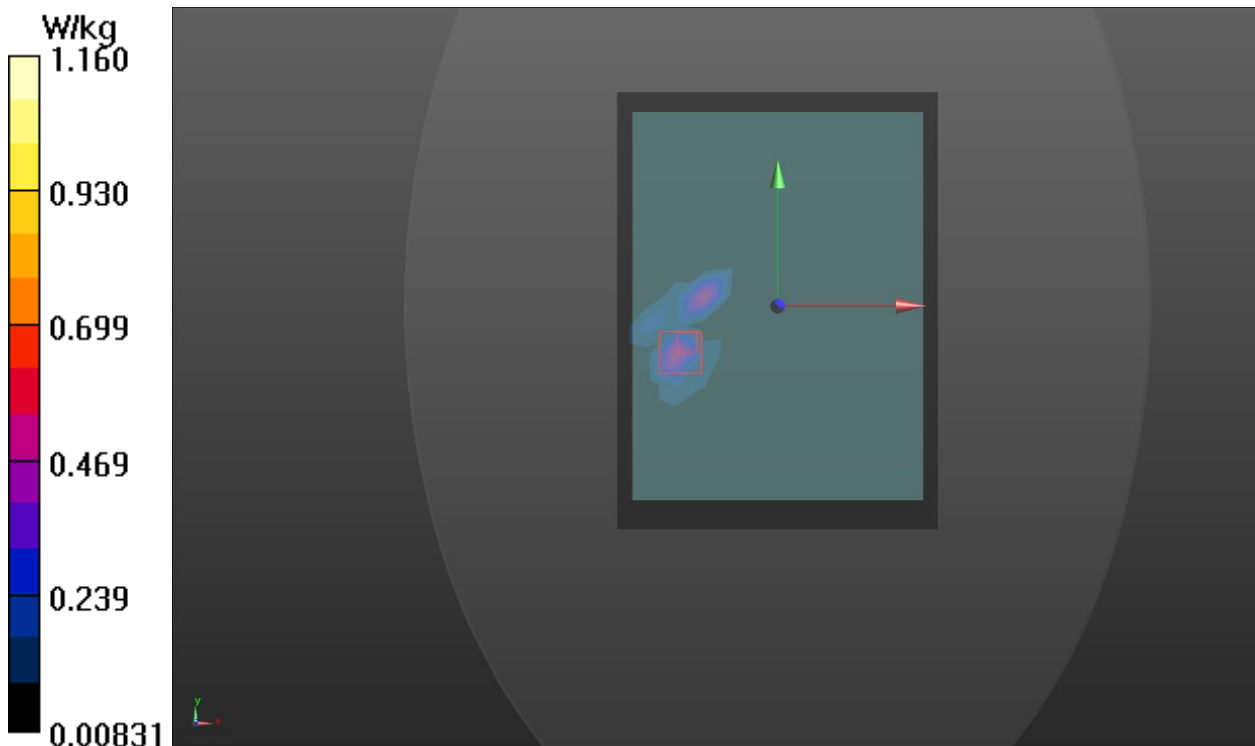
Peak SAR (extrapolated) = 2.72 W/kg

SAR(1 g) = 1.070 W/kg; SAR(10 g) = 0.446 W/kg

Smallest distance from peaks to all points 3 dB below = 18 mm

Ratio of SAR at M2 to SAR at M1 = 46.7%

Maximum value of SAR (measured) = 1.16 W/kg



Plot 26 LTE B5 50%RB Back Side 0mm Low

Date: 2/28/2025

Communication System: UID 0, LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 42.335$; $\rho = 1000$ 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 - SN7689; ConvF(9.44, 9.92, 10.09); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B5 50%RB Back Side 0mm/Low/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.797 W/kg

LTE B5 50%RB Back Side 0mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.01 V/m; Power Drift = -0.020 dB

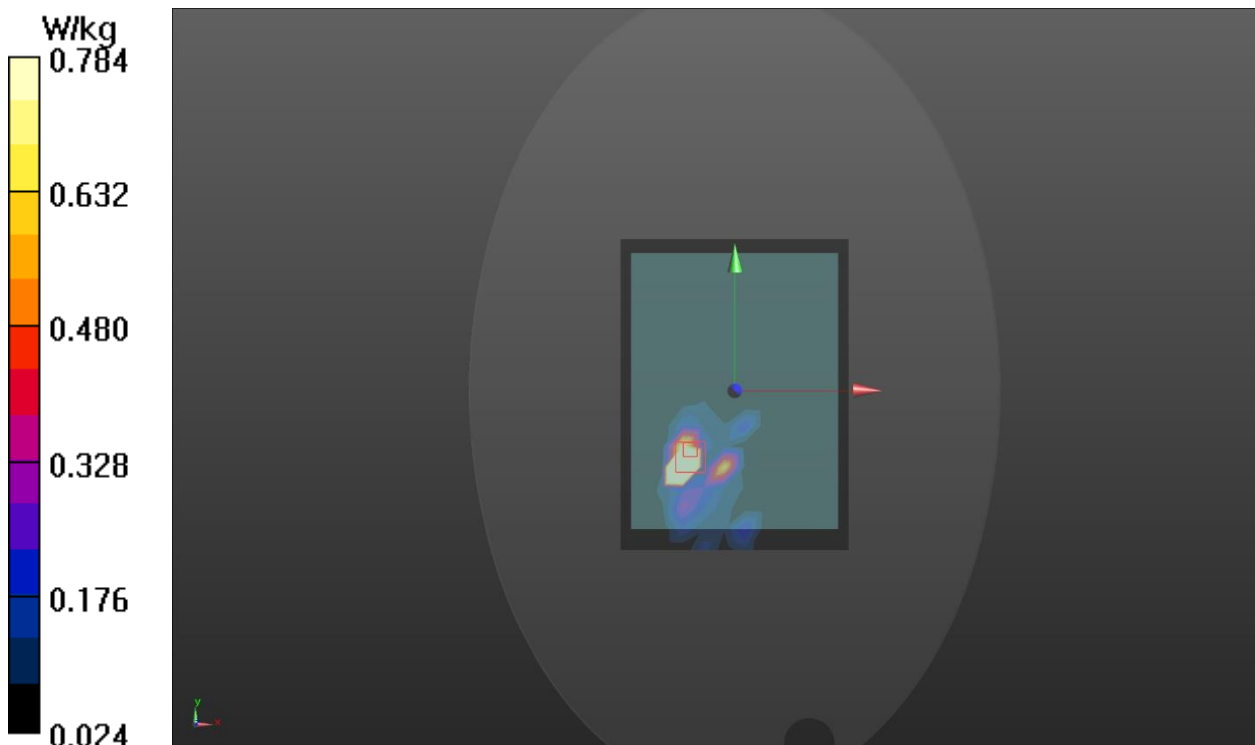
Peak SAR (extrapolated) = 1.568 W/kg

SAR(1 g) = 0.756 W/kg; SAR(10 g) = 0.412 W/kg

Smallest distance from peaks to all points 3 dB below = 18.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 0.784 W/kg



Plot 27 LTE B7 50%RB Back Side 0mm Mid

Date: 2/19/2025

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.851$ S/m; $\epsilon_r = 40.565$; $\rho = 1000$ 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 - SN7689; ConvF(7.39, 7.77, 7.89); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B7 50%RB Back Side 0mm/Mid/Area Scan (12x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.898 W/kg

LTE B7 50%RB Back Side 0mm/Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.518 V/m; Power Drift = 0.022 dB

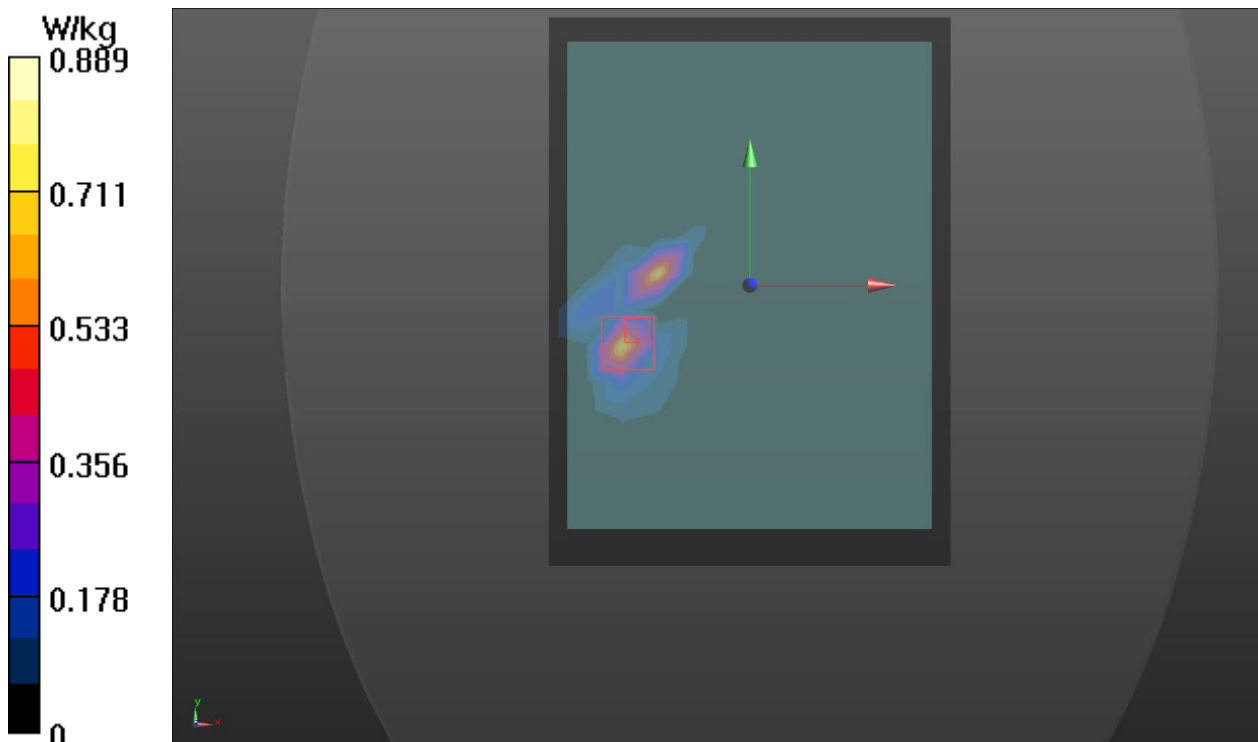
Peak SAR (extrapolated) = 1.778W/kg

SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.327 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 48.9%

Maximum value of SAR (measured) = 0.889 W/kg



Plot 28 LTE B12 100%RB Back Side Repeat 0mm Low

Date: 2/27/2025

Communication System: UID 0, LTE (0); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 704$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 43.223$; $\rho = 1000$ 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 - SN7689; ConvF(9.58, 10.07, 10.24); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B12 100%RB Back Side Repeat 0mm/Low/Area Scan (9x13x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.16 W/kg

LTE B12 100%RB Back Side Repeat 0mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.99 V/m; Power Drift = -0.070 dB

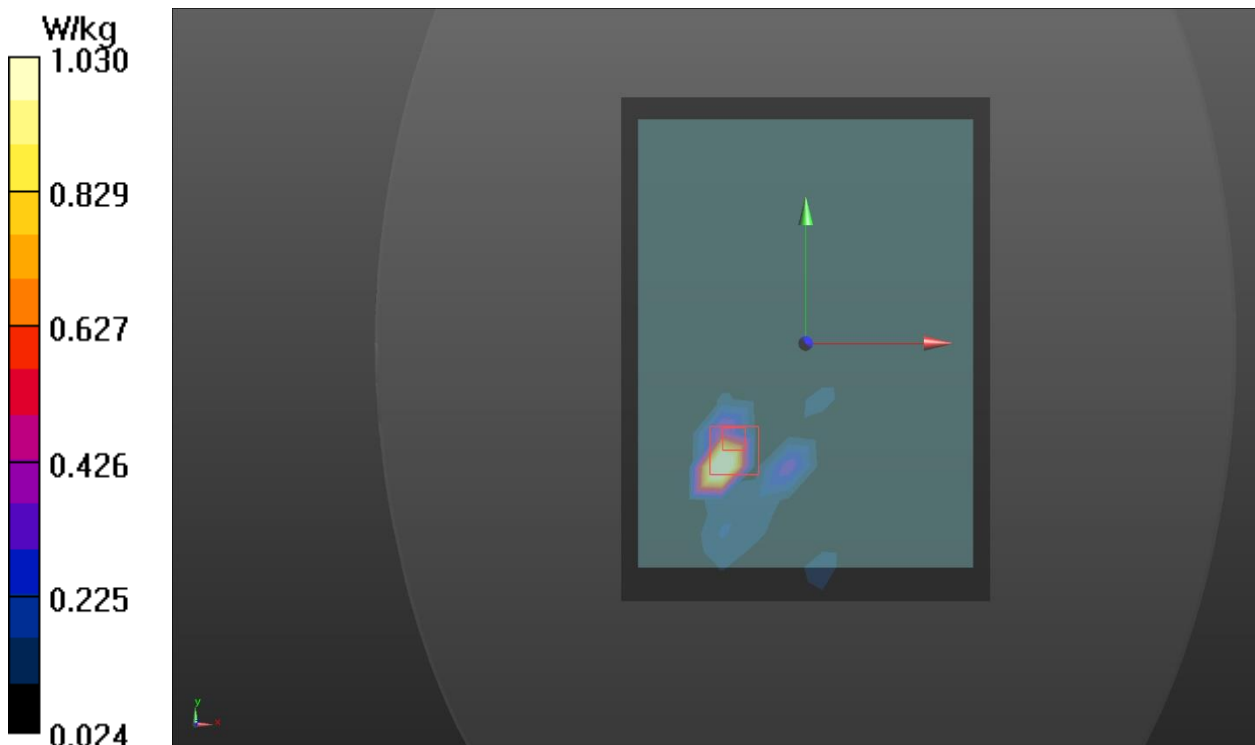
Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 1.020 W/kg; SAR(10 g) = 0.518 W/kg

Smallest distance from peaks to all points 3 dB below = 16.4 mm

Ratio of SAR at M2 to SAR at M1 = 47.5%

Maximum value of SAR (measured) = 1.03 W/kg



Plot 29 LTE B26 50%RB Back Side 0mm

Date: 2/24/2025

Communication System: UID 0, LTE (0); Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.944$ S/m; $\epsilon_r = 42.386$; $\rho = 1000$ 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 - SN7689; ConvF(9.44, 9.92, 10.09); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B26 50%RB Back Side 0mm/Low/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.815W/kg

LTE B26 50%RB Back Side 0mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.01 V/m; Power Drift = 0.05 dB

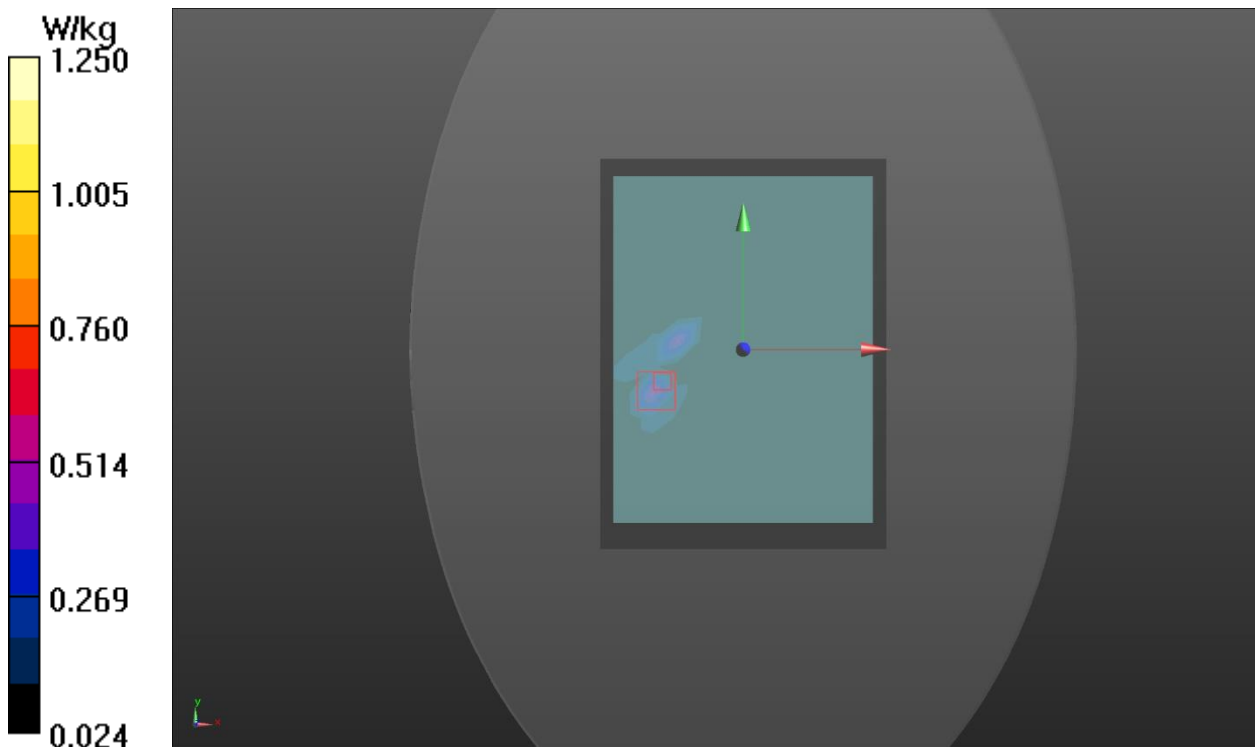
Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.435 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 1.250 W/kg



Plot 30 LTE B41 50%RB Back Side 0mm

Date: 3/5/2025

Communication System: UID 0, LTE (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2550$ MHz; $\sigma = 1.898$ S/m; $\epsilon_r = 40.426$; $\rho = 1000$ 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 - SN7689; ConvF(7.39, 7.77, 7.89); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B41 50%RB Back Side 0mm/Mid/Area Scan (12x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.942W/kg

LTE B41 50%RB Back Side 0mm/Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.092 V/m; Power Drift = 0.031 dB

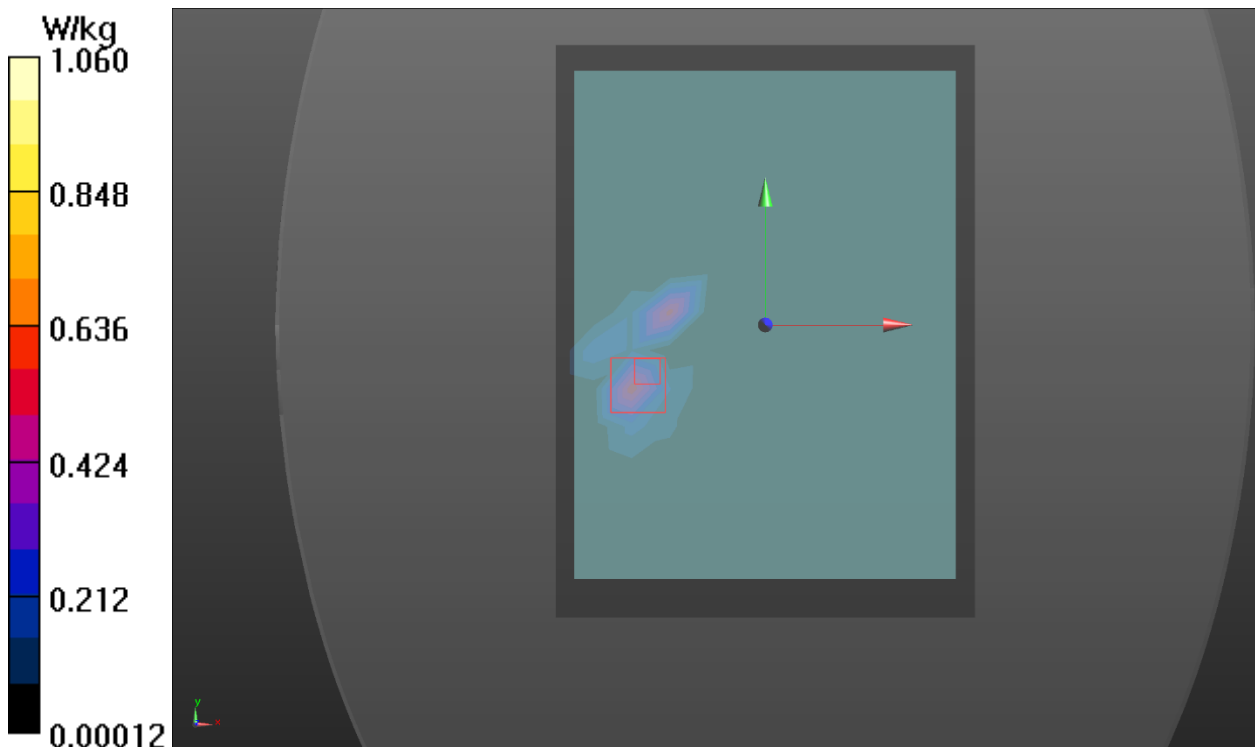
Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.341 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 36%

Maximum value of SAR (measured) = 1.06 W/kg



Plot 31 LTE B41 PC2 50%RB Back Side 0mm

Date: 2/19/2025

Communication System: UID 0, LTE (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2550$ MHz; $\sigma = 1.898$ S/m; $\epsilon_r = 40.426$; $\rho = 1000$ 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 - SN7689; ConvF(7.39, 7.77, 7.89); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B41 50%RB Back Side 0mm/Mid/Area Scan (12x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.655 W/kg

LTE B41 50%RB Back Side 0mm/Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.790 V/m; Power Drift = 0.062 dB

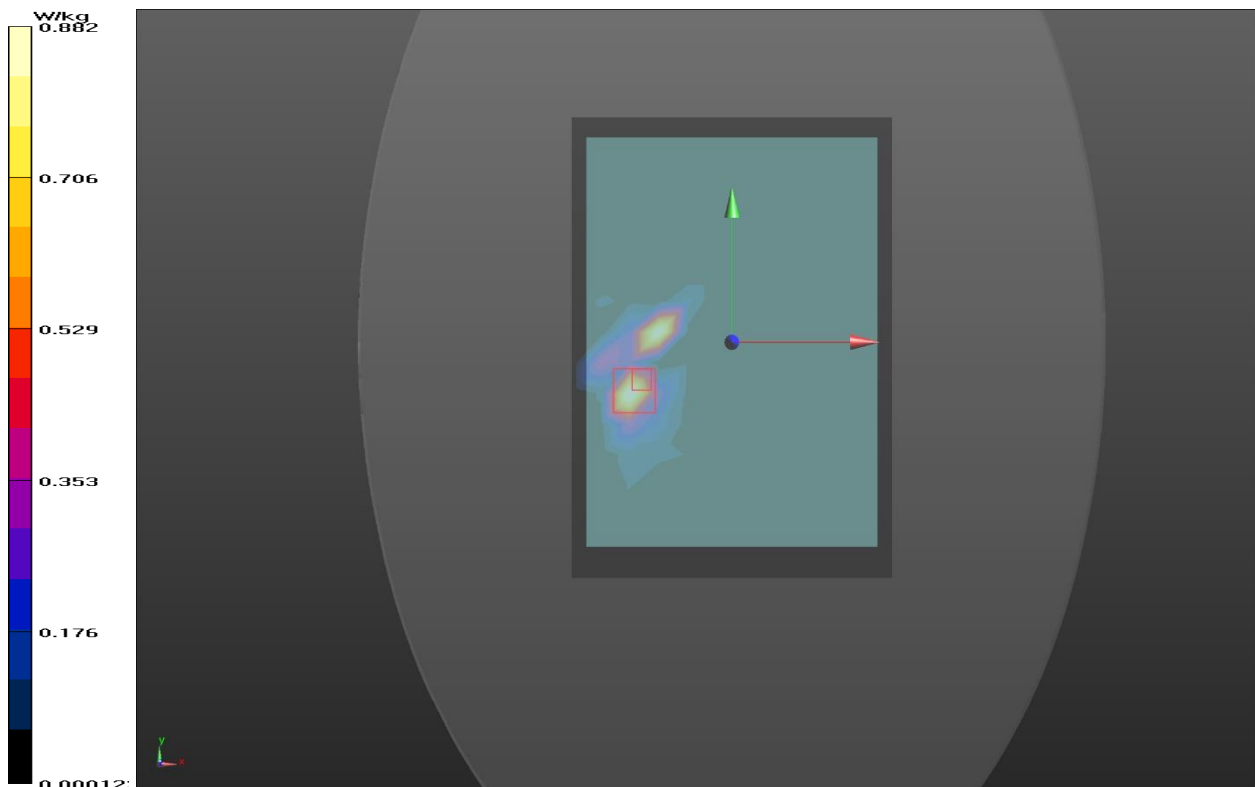
Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 0.869 W/kg; SAR(10 g) = 0.325 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 39.5%

Maximum value of SAR (measured) = 0.882 W/kg



Plot 32 LTE B66 1RB Back Side 0mm

Date: 2/21/2025

Communication System: UID 0, LTE (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1770$ MHz; $\sigma = 1.299$ S/m; $\epsilon_r = 38.874$; $\rho = 1000$ 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 - SN7689; ConvF(8.01, 8.42, 8.56); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B66 1RB Back Side 0mm/High/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.847 W/kg

LTE B66 1RB Back Side 0mm/High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 4.366 V/m; Power Drift = -0.010 dB

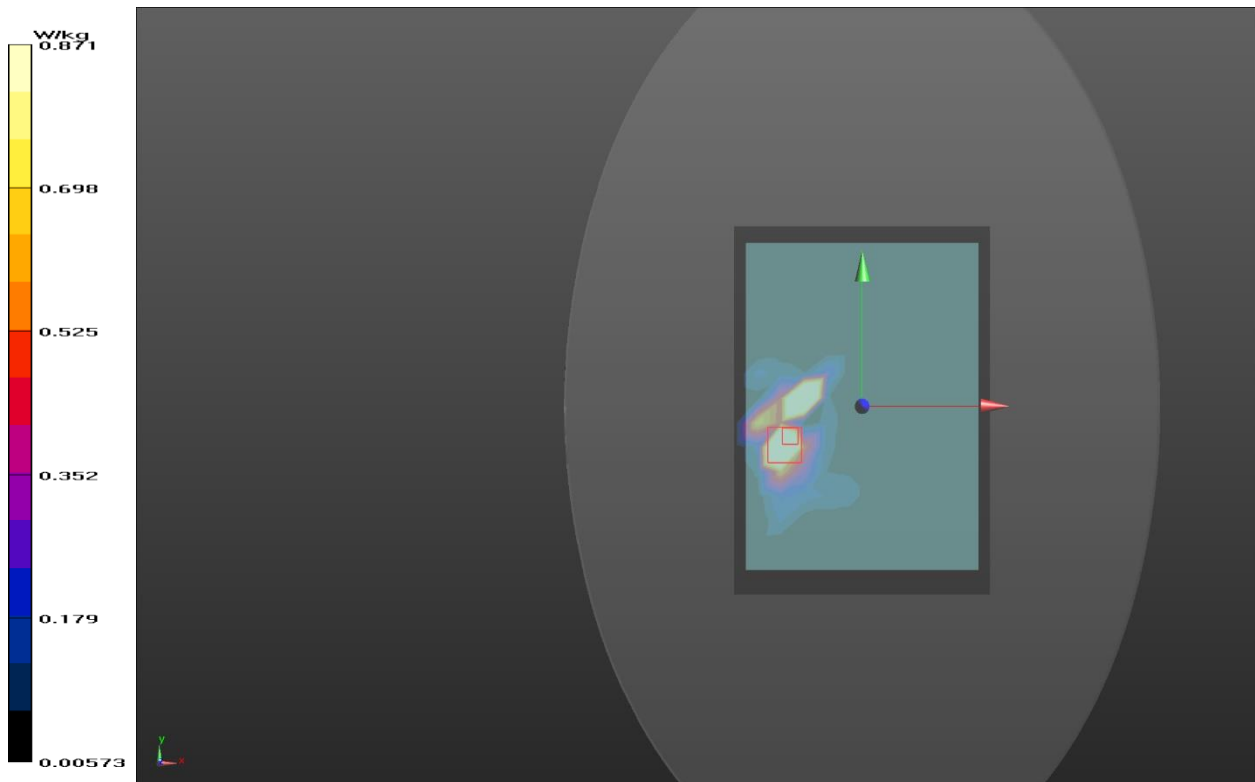
Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.812 W/kg; SAR(10 g) = 0.342 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 46.5%

Maximum value of SAR (measured) = 0.871 W/kg



Plot 33 LTE B71 1RB Back Side 0mm

Date: 2/26/2025

Communication System: UID 0, LTE (0); Frequency: 673 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 673 \text{ MHz}$; $\sigma = 0.852 \text{ S/m}$; $\epsilon_r = 43.234$; $\rho = 1000 \text{ kg/m}^3$

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 - SN7689; ConvF(9.58, 10.07, 10.24); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

LTE B71 1RB Back Side 0mm/Low/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.644 W/kg

LTE B71 1RB Back Side 0mm/Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.05 V/m ; Power Drift = -0.051 dB

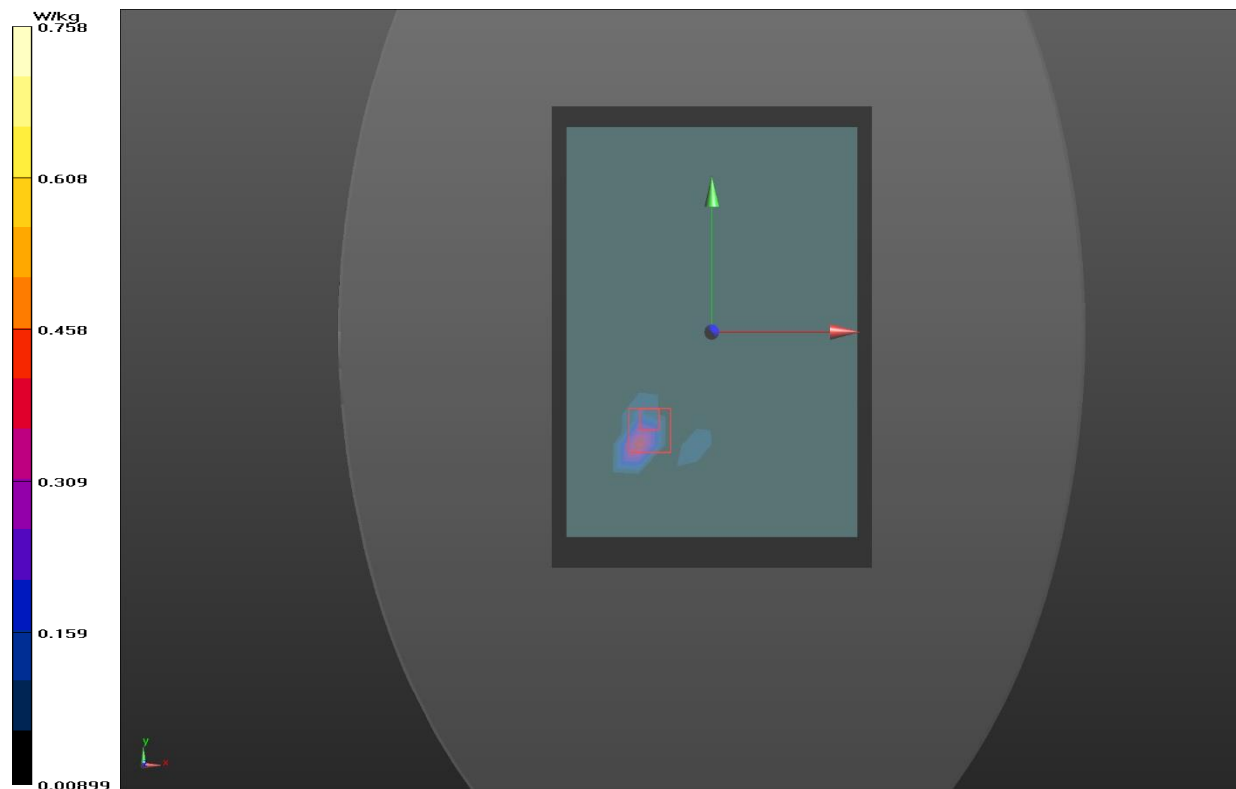
Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.642 W/kg ; SAR(10 g) = 0.301 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 42.2%

Maximum value of SAR (measured) = 0.758 W/kg



Plot 34 NR n25 1RB Back Side 0mm High

Date: 2/22/2025

Communication System: UID 0, 5G NR (0); Frequency: 1895 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1895$ MHz; $\sigma = 1.387$ S/m; $\epsilon_r = 38.377$; $\rho = 1000$ 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 - SN7689; ConvF(7.88, 8.28, 8.42); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

NR n25 1RB Back Side 0mm/High/Area Scan (9x9x1): Measurement grid: dx=15mm, dy=15mm

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

NR n25 1RB Back Side 0mm/High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 13.57 V/m; Power Drift = 0.090 dB

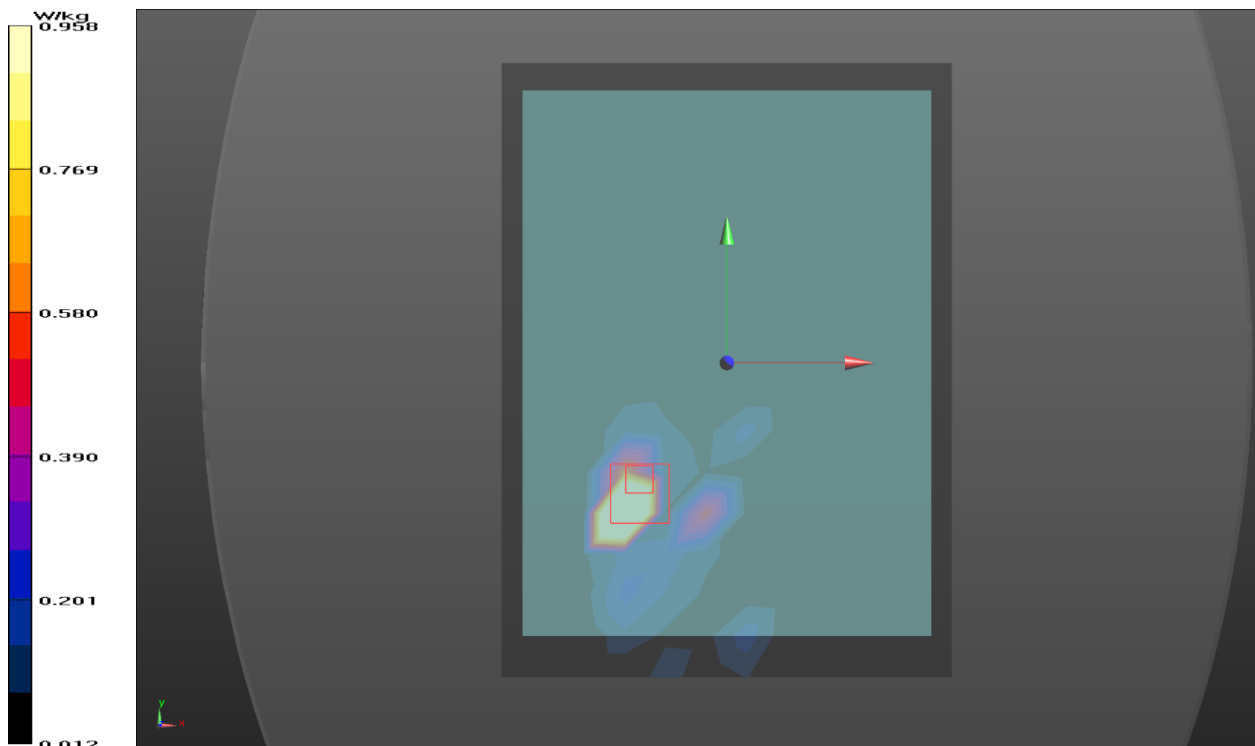
Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.402 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 47.4%

Maximum value of SAR (measured) = 0.958 W/kg



Plot 35 NR n41 50%RB Back Side 0mm High

Date: 2/18/2025

Communication System: UID 0, 5G NR (0); Frequency: 2640 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2640$ MHz; $\sigma = 2.006$ S/m; $\epsilon_r = 40.077$; $\rho = 1000$ 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 - SN7689; ConvF(7.39, 7.77, 7.89); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

NR n41 50%RB Back Side 0mm/High/Area Scan (12x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.636 W/kg

NR n41 50%RB Back Side 0mm/High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.080 V/m; Power Drift = -0.064 dB

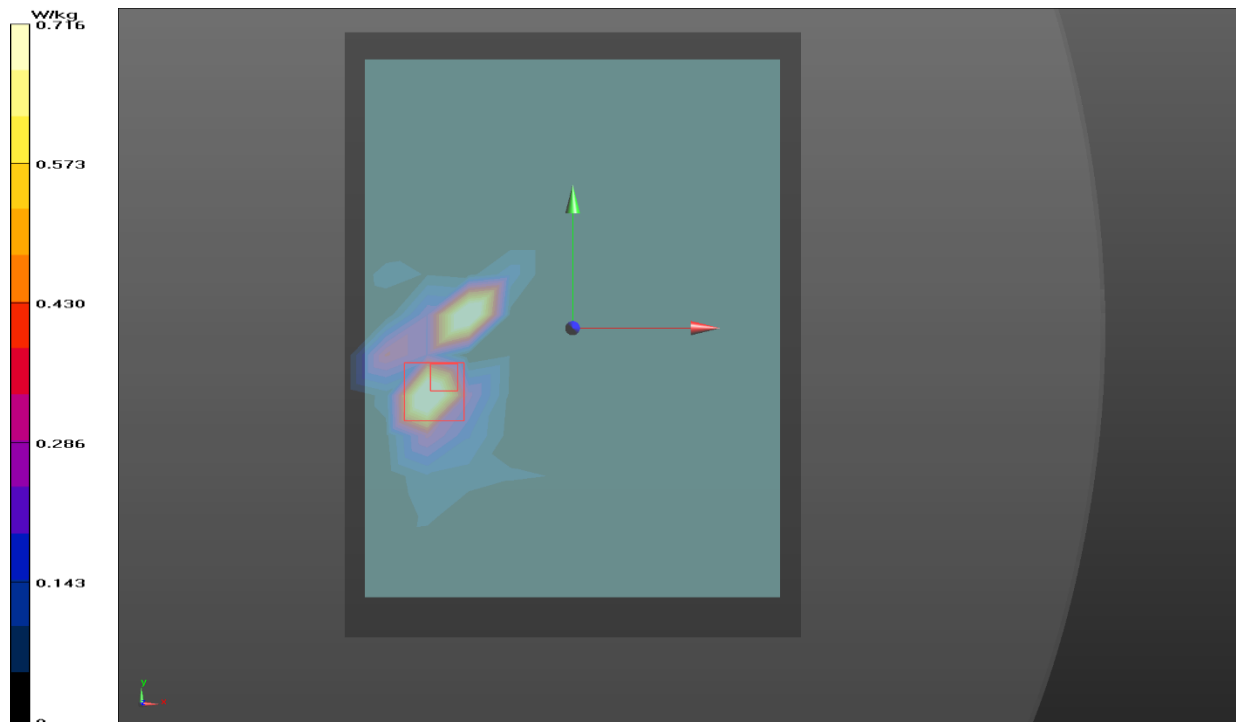
Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.224 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 38.2%

Maximum value of SAR (measured) = 0.716 W/kg



Plot 36 NR n66 1RB Back Side 0mm Mid

Date: 2/18/2025

Communication System: UID 0, 5G NR (0); Frequency: 1760 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1760$ MHz; $\sigma = 1.29$ S/m; $\epsilon_r = 38.897$; $\rho = 1000$ 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 - SN7689; ConvF(8.01, 8.42, 8.56); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

NR n66 1RB Back Side 0mm/Mid/Area Scan (9x9x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.21 W/kg

NR n66 1RB Back Side 0mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.40 V/m; Power Drift = -0.070 dB

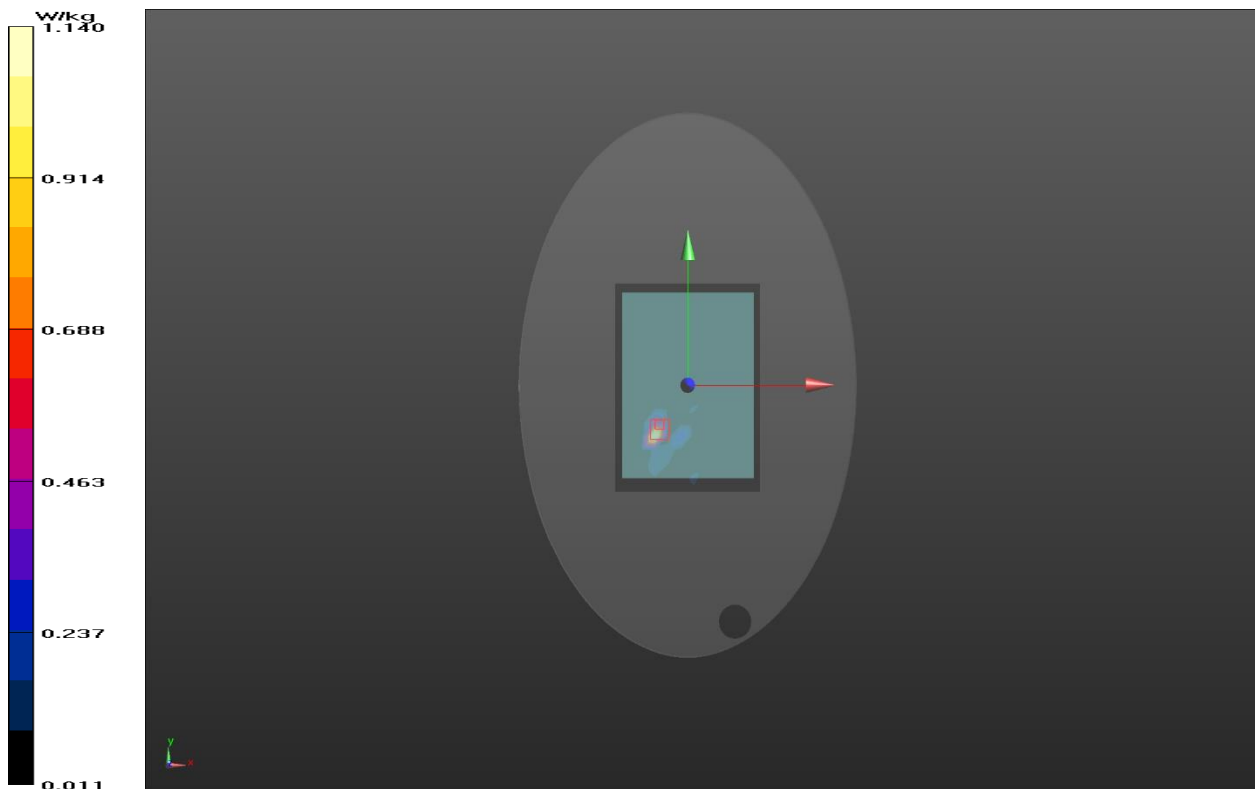
Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.487 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 48.6%

Maximum value of SAR (measured) = 1.14 W/kg



Plot 37 NR n71 50%RB Back Side 0mm Mid

Date: 2/26/2025

Communication System: UID 0, 5G NR (0); Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.86$ S/m; $\epsilon_r = 43.2$; $\rho = 1000$ 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 - SN7689; ConvF(9.58, 10.07, 10.24); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

NR n71 50%RB Back Side 0mm/Mid/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.338 W/kg

NR n71 50%RB Back Side 0mm/Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.987 V/m; Power Drift = -0.10 dB

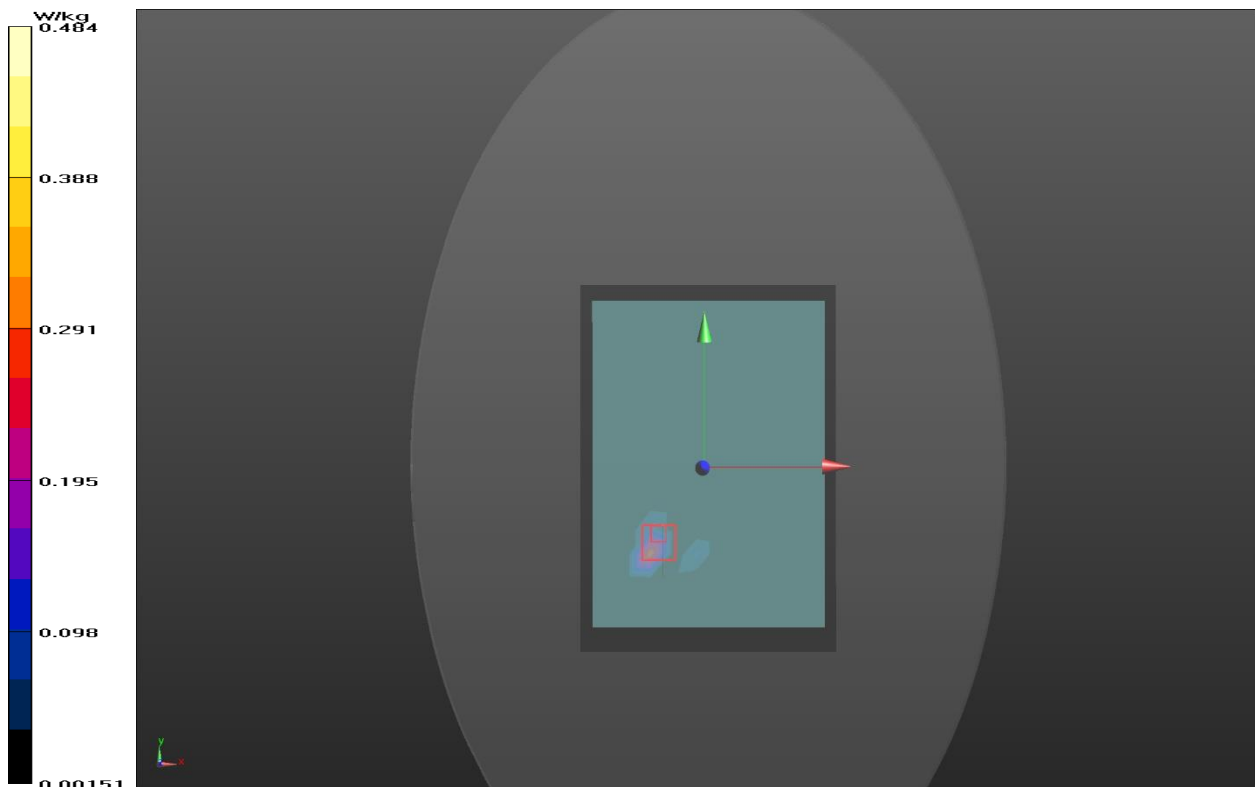
Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.180 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 43%

Maximum value of SAR (measured) = 0.484 W/kg



Plot 38 802.11b Left Edge 0mm High

Date: 2/17/2025

Communication System: UID 0, 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 40.726$; $\rho = 1000$ 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 - SN7689; ConvF(7.62, 8.01, 8.14); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

802.11a Top Edge 0mm/High/Area Scan (7x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.908 W/kg

802.11a Top Edge 0mm/High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

dz=5mm

Reference Value = 10.39 V/m; Power Drift = -0.025 dB

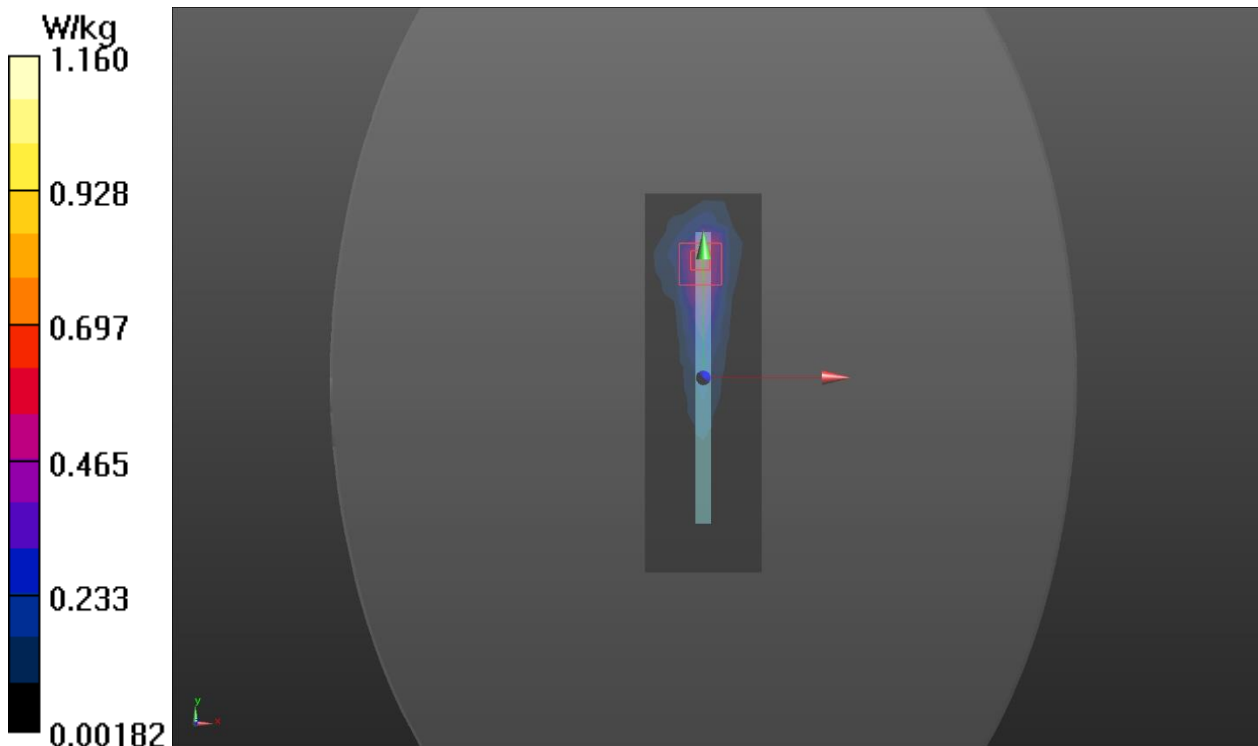
Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.446 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 44.7%

Maximum value of SAR (measured) = 1.160 W/kg



Plot 39 802.11a Top Edge 0mm Low

Date: 2/19/2025

Communication System: UID 0, 802.11a (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.808$ S/m; $\epsilon_r = 36.877$; $\rho = 1000$ 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 - SN7689; ConvF(5.87, 6.17, 6.27); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

802.11a Top Edge 0mm/Low/Area Scan (8x27x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.912W/kg

802.11a Top Edge 0mm/Low/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.806 V/m; Power Drift = -0.082 dB

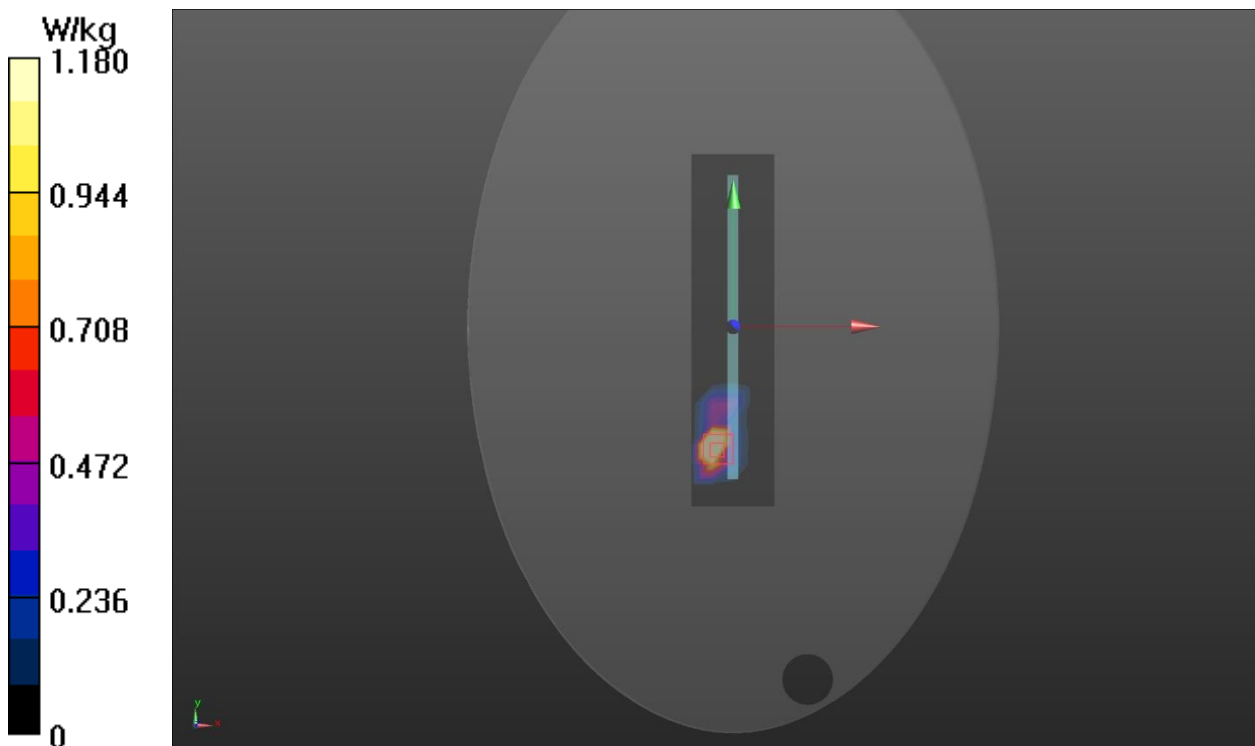
Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.253 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 46.2%

Maximum value of SAR (measured) = 1.180 W/kg



Plot 40 DH5 Back Side 0mm Mid

Date: 2/17/2025

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.77$ S/m; $\epsilon_r = 40.794$; $\rho = 1000$ 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 - SN7689; ConvF(7.62, 8.01, 8.14); Calibrated: 2024/6/4

Electronics: DAE4 SN1317; Calibrated: 2024/9/10

Phantom: ELI v4.0; Type: QDOVA001BB;

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

DH5 Back Side 0mm/Mid/Area Scan (15x12x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.253 W/kg

DH5 Back Side 0mm/Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.2110 V/m; Power Drift = 0.046 dB

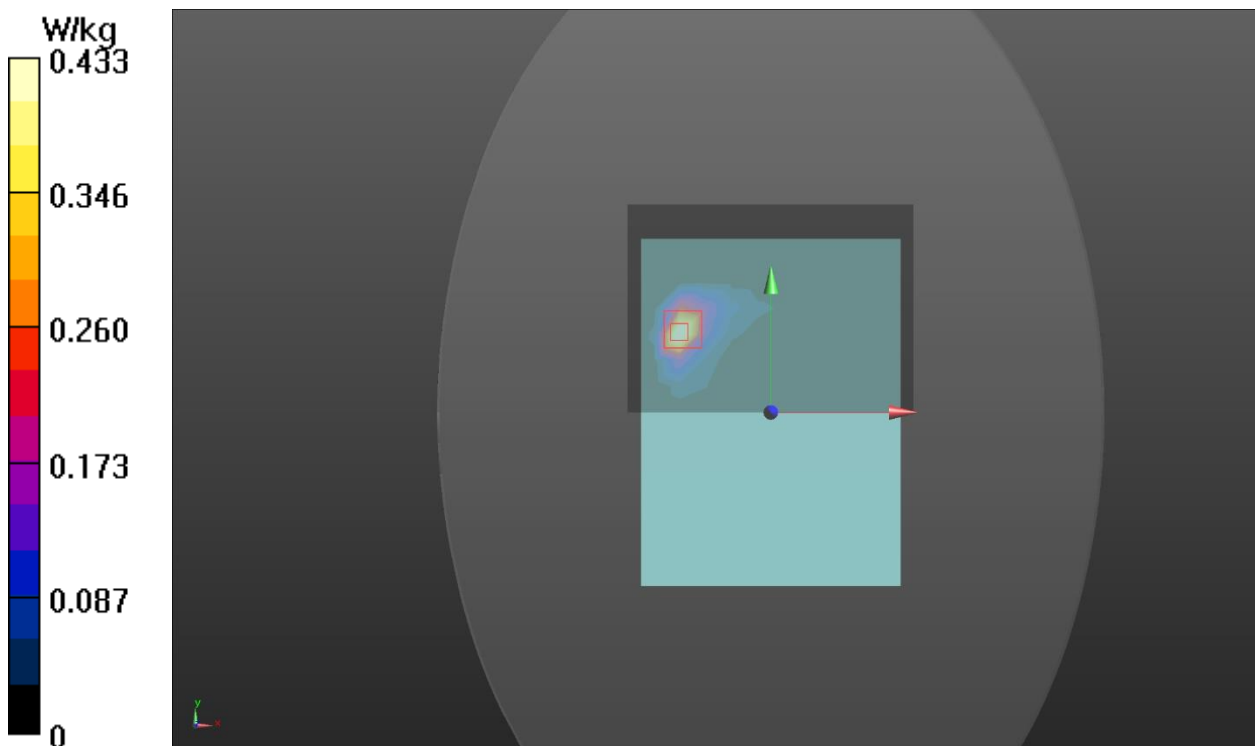
Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.111 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 40.4%

Maximum value of SAR (measured) = 0.433 W/kg



ANNEX D: Probe Calibration Certificate (SN: 7689)

Calibration Laboratory of
 Schmid & Partner
 Engineering AG
 Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
 The Swiss Accreditation Service is one of the signatories to the EA
 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **TA**
 Shanghai

Certificate No. **EX-7689_Jun24**

CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:7689**

Calibration procedure(s) **QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8**
 Calibration procedure for dosimetric E-field probes

Calibration date **June 04, 2024**


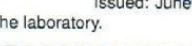
This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

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 (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	26-Mar-24 (No. 217-04046)	Mar-25
DAE4	SN: 660	23-Feb-24 (No. DAE4-660_Feb24)	Feb-25
Reference Probe EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349_Nov23)	Nov-24

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-22)	In house check: Jun-24
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	

Issued: June 4, 2024

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

**Calibration Laboratory of
Schmid & Partner
Engineering AG**

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

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), i.e., $\theta = 0$ 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) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) 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 $\theta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not affect the E²-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 with CW signal. 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}; D_{x,y,z}; VR_{x,y,z}**: A, B, C, D 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 $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values 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 ± 50 MHz to ± 100 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).

EX3DV4 - SN:7689

June 04, 2024

Parameters of Probe: EX3DV4 - SN:7689

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.56	0.61	0.60	±10.1%
DCP (mV) ^B	102.7	103.5	104.8	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	123.5	±1.1%	±4.7%
		Y	0.00	0.00	1.00		119.7		
		Z	0.00	0.00	1.00		140.9		
10352	Pulse Waveform (200Hz, 10%)	X	1.60	61.02	6.64	10.00	60.0	±2.5%	±9.6%
		Y	1.42	60.16	6.02		60.0		
		Z	1.73	61.65	6.95		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	0.79	60.00	4.97	6.99	80.0	±2.2%	±9.6%
		Y	0.82	60.00	4.79		80.0		
		Z	10.00	72.00	9.00		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.32	149.82	0.95	3.98	95.0	±2.8%	±9.6%
		Y	20.00	72.00	7.00		95.0		
		Z	0.20	139.27	0.20		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	0.29	60.00	2.80	2.22	120.0	±1.7%	±9.6%
		Y	8.70	158.89	15.99		120.0		
		Z	9.34	158.65	18.11		120.0		
10387	QPSK Waveform, 1 MHz	X	0.72	66.25	13.93	1.00	150.0	±3.8%	±9.6%
		Y	0.59	64.27	12.38		150.0		
		Z	0.79	67.02	14.20		150.0		
10388	QPSK Waveform, 10 MHz	X	1.50	66.93	14.73	0.00	150.0	±1.3%	±9.6%
		Y	1.37	65.88	13.93		150.0		
		Z	1.55	67.15	14.85		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.72	64.78	16.18	3.01	150.0	±0.9%	±9.6%
		Y	1.71	64.79	15.98		150.0		
		Z	1.75	65.00	16.24		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.95	66.69	15.41	0.00	150.0	±1.6%	±9.6%
		Y	2.86	66.30	15.09		150.0		
		Z	2.87	66.14	15.14		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.96	66.18	15.49	0.00	150.0	±3.0%	±9.6%
		Y	3.86	65.92	15.26		150.0		
		Z	4.05	66.38	15.59		150.0		

Note: For details on UID parameters see Appendix

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 Pages 5 and 6).

^B Linearization parameter uncertainty for maximum specified field strength.

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

EX3DV4 - SN:7689

June 04, 2024

Parameters of Probe: EX3DV4 - SN:7689

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
x	10.8	78.12	33.65	2.19	0.00	4.90	0.42	0.00	1.00
y	10.5	76.45	33.69	3.63	0.00	4.91	0.50	0.00	1.00
z	11.2	81.08	33.46	3.12	0.00	4.90	0.41	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-2.4°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Note: Measurement distance from surface can be increased to 3–4 mm for an Area Scan job.

EX3DV4 - SN:7689

June 04, 2024

Parameters of Probe: EX3DV4 - SN:7689

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
13	55.0	0.75	14.55	15.41	17.14	0.00	1.25	±13.3%
750	41.9	0.89	9.58	10.07	10.24	0.34	1.27	±11.0%
835	41.5	0.90	9.44	9.92	10.09	0.34	1.27	±11.0%
1750	40.1	1.37	8.01	8.42	8.56	0.35	1.27	±11.0%
1900	40.0	1.40	7.88	8.28	8.42	0.35	1.27	±11.0%
2000	40.0	1.40	7.78	8.18	8.32	0.35	1.27	±11.0%
2300	39.5	1.67	7.65	8.04	8.17	0.35	1.27	±11.0%
2450	39.2	1.80	7.62	8.01	8.14	0.35	1.27	±11.0%
2600	39.0	1.96	7.39	7.77	7.89	0.35	1.27	±11.0%
3300	38.2	2.71	6.80	7.15	7.27	0.36	1.27	±13.1%
3500	37.9	2.91	6.76	7.11	7.22	0.36	1.27	±13.1%
3700	37.7	3.12	6.71	7.05	7.17	0.36	1.27	±13.1%
3900	37.5	3.32	6.51	6.84	6.95	0.37	1.27	±13.1%
4100	37.2	3.53	6.39	6.72	6.83	0.37	1.27	±13.1%
4400	36.9	3.84	6.31	6.63	6.74	0.37	1.27	±13.1%
4600	36.7	4.04	6.28	6.59	6.70	0.37	1.27	±13.1%
4800	36.4	4.25	6.21	6.53	6.64	0.37	1.27	±13.1%
4950	36.3	4.40	6.11	6.42	6.53	0.36	1.27	±13.1%
5250	35.9	4.71	5.87	6.17	6.27	0.33	1.27	±13.1%
5600	35.5	5.07	5.33	5.60	5.70	0.29	1.27	±13.1%
5750	35.4	5.22	5.31	5.59	5.68	0.28	1.27	±13.1%

^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the 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. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

^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 frequencies between 3–6 GHz at any distance larger than half the probe tip diameter from the boundary.

^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. Therefore, The uncertainty stated is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

EX3DV4 - SN:7689

June 04, 2024

Parameters of Probe: EX3DV4 - SN:7689

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
6500	34.5	6.07	6.03	6.33	6.44	0.20	1.27	±18.6%

^C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

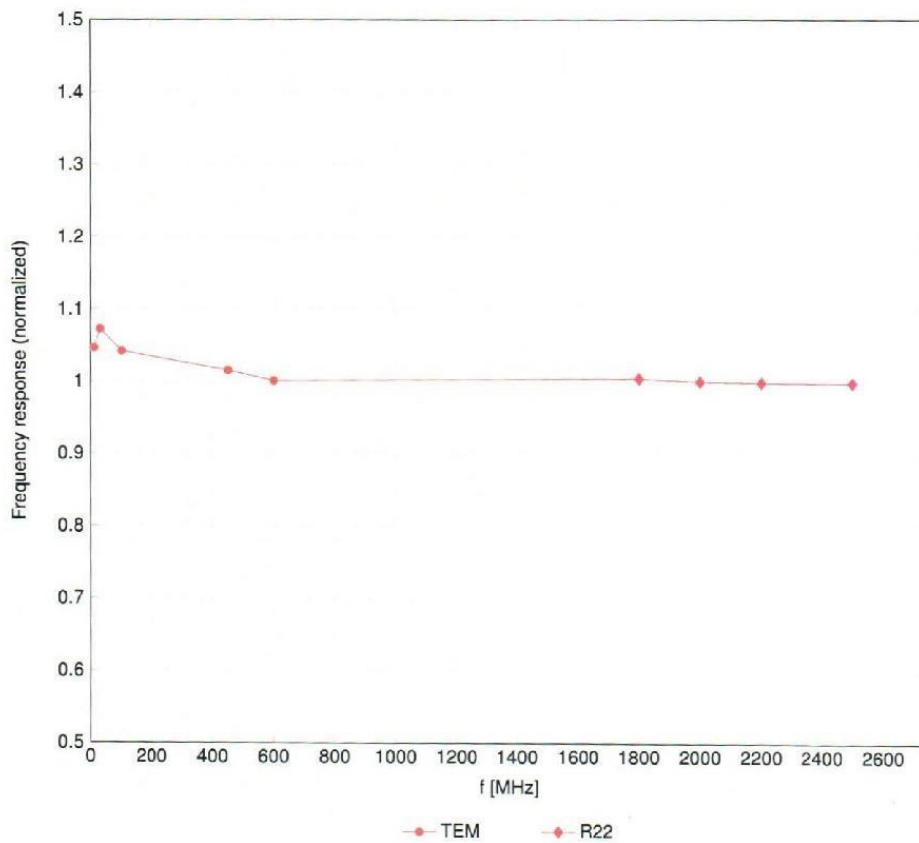
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance larger than half the probe tip diameter from the boundary.

^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. Therefore, The uncertainty stated is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

EX3DV4 - SN:7689

June 04, 2024

Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide:R22)

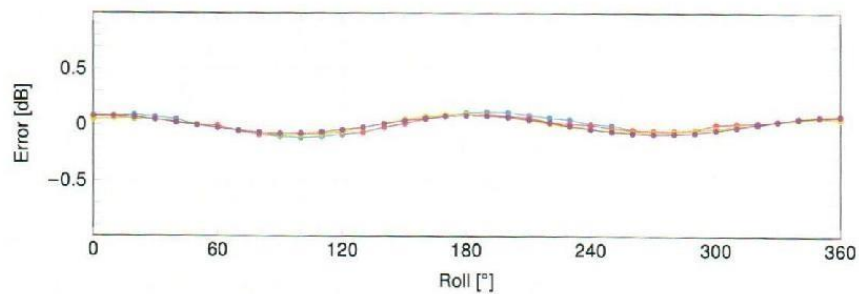
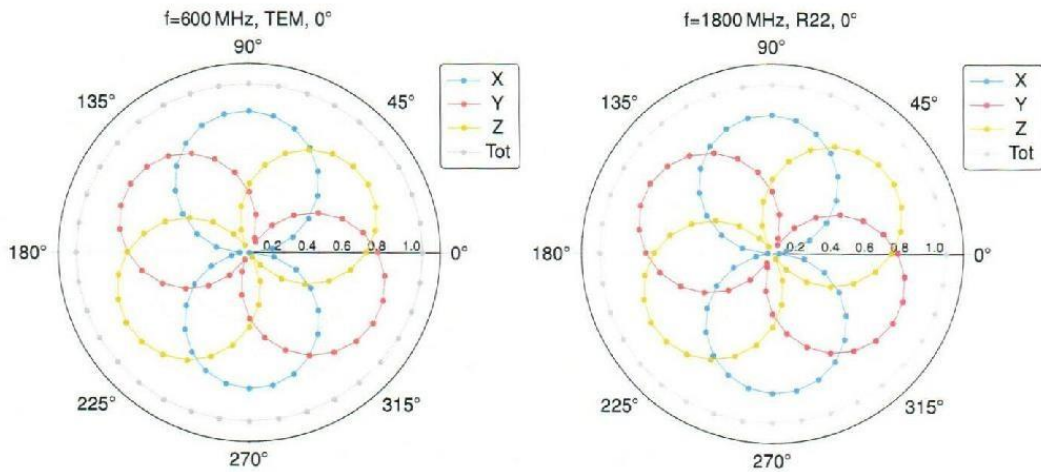


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)

EX3DV4 - SN:7689

June 04, 2024

Receiving Pattern (ϕ), $\vartheta = 0^\circ$



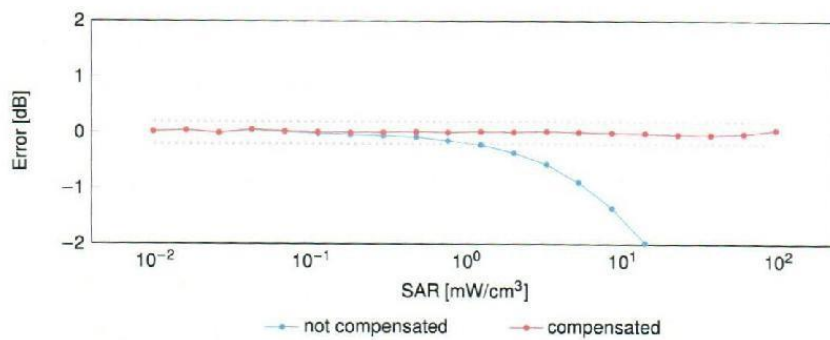
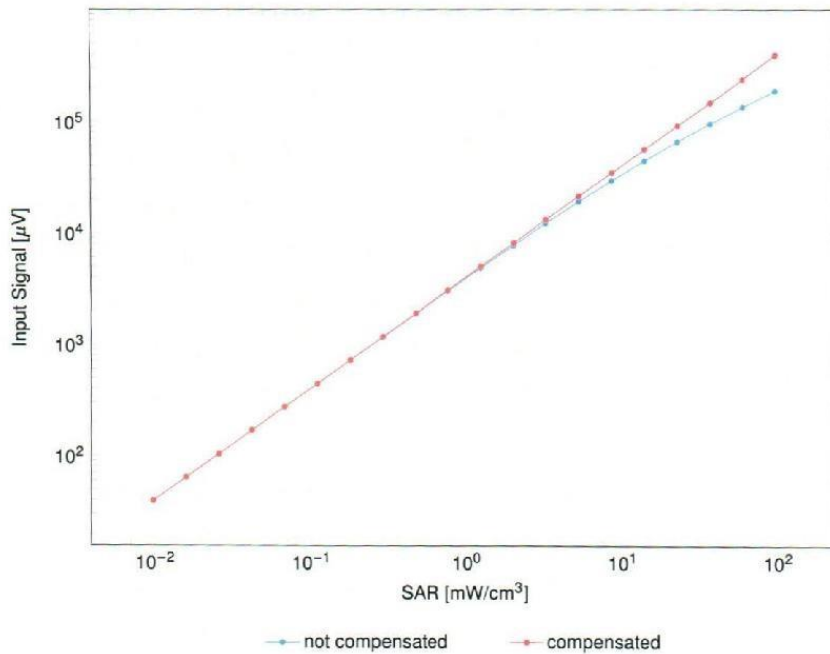
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ (k=2)

EX3DV4 - SN:7689

June 04, 2024

Dynamic Range $f(SAR_{head})$

(TEM cell, $f_{eval} = 1900\text{MHz}$)

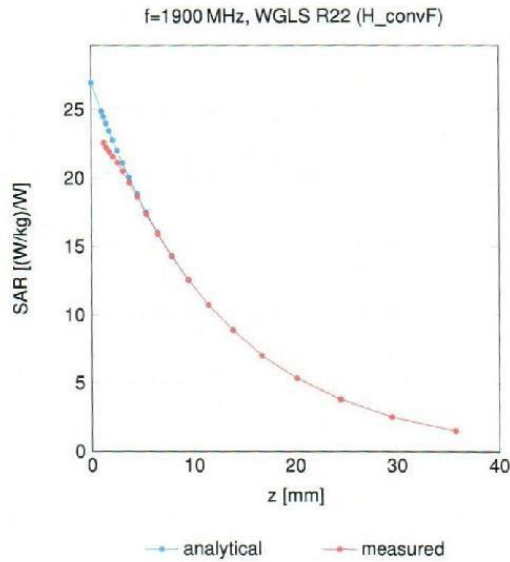


Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

EX3DV4 - SN:7689

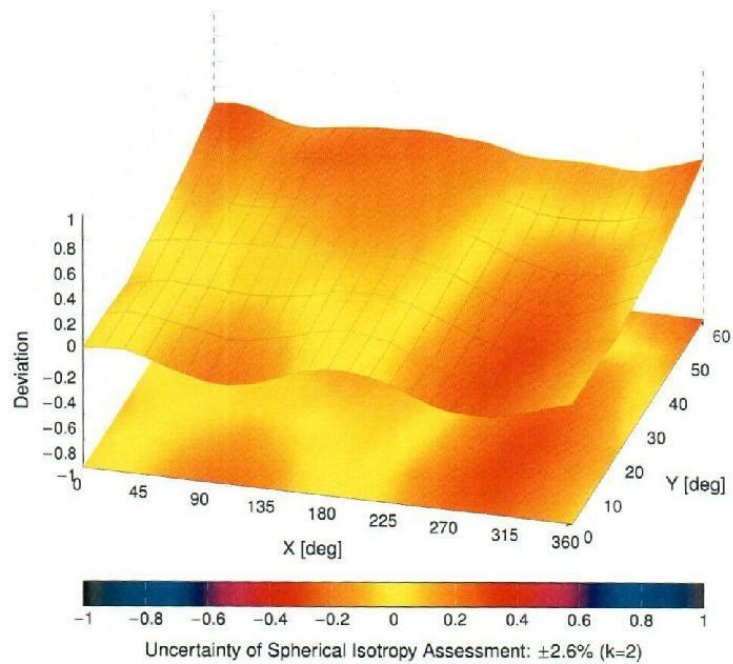
June 04, 2024

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), f = 900 MHz



EX3DV4 - SN:7689

June 04, 2024

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6