

< n77 PC3 Ant4 >

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				620666	646720	679333	Tune-up limit (dBm)	MPR (dB)
				3310	3750	4190		
20	PI/2 BPSK	1	1	24.25	24.30	24.37	24.5	0.0
20	PI/2 BPSK	1	53	24.07	24.32	24.10		
20	PI/2 BPSK	1	104	24.10	24.16	24.14		
20	PI/2 BPSK	50	0	23.33	23.32	23.14	23.5	1.0
20	PI/2 BPSK	50	28	23.34	23.07	23.23		
20	PI/2 BPSK	50	56	23.01	23.48	23.02		
20	PI/2 BPSK	100	0	23.24	23.10	23.15	23.5	1.0
20	QPSK	1	1	24.01	24.36	24.43	24.5	0.0
20	QPSK	1	53	24.10	24.23	24.21		
20	QPSK	1	104	24.03	24.16	24.33		
20	QPSK	50	0	23.38	23.14	23.47	23.5	1.0
20	QPSK	50	28	23.03	23.01	23.16		
20	QPSK	50	56	23.30	23.30	23.35		
20	QPSK	100	0	23.31	23.28	23.19	23.5	1.0
20	16QAM	1	1	24.36	24.20	24.41	24.5	0.0
20	16QAM	1	53	24.47	24.39	24.27		
20	16QAM	1	104	24.42	24.10	24.34		
20	16QAM	50	0	23.18	23.03	23.07	23.5	1.0
20	16QAM	50	28	23.18	23.13	23.22		
20	16QAM	50	56	23.21	23.49	23.23		
20	16QAM	100	0	23.09	23.38	23.50	23.5	1.0
20	64QAM	1	1	24.45	24.12	24.27	24.5	0.0
20	64QAM	1	53	24.45	24.29	24.47		
20	64QAM	1	104	24.03	24.47	24.38		
20	64QAM	50	0	23.47	23.34	23.38	23.5	1.0
20	64QAM	50	28	23.16	23.21	23.49		
20	64QAM	50	56	23.20	23.37	23.25		
20	64QAM	100	0	23.26	23.49	23.45	23.5	1.0
20	256QAM	1	1	24.24	24.47	24.12	24.5	0.0
20	256QAM	1	53	24.33	24.38	24.40		
20	256QAM	1	104	24.25	24.09	24.17		
20	256QAM	50	0	23.34	23.28	23.19	23.5	1.0
20	256QAM	50	28	23.29	23.04	23.17		
20	256QAM	50	56	23.26	23.17	23.21		
20	256QAM	100	0	23.31	23.25	23.09	23.5	1.0
Channel Frequency (MHz)				620166	646720	679833	Tune-up limit (dBm)	MPR (dB)
				3307.5	3750	4192.5		
15	PI/2 BPSK	1	1	24.08	24.25	24.50	24.5	0.0
Channel Frequency (MHz)				619666	646720	680333	Tune-up limit (dBm)	MPR (dB)
				3305	3750	4195		
10	PI/2 BPSK	1	1	24.31	24.46	24.17	24.5	0.0
Channel Frequency (MHz)				619166	646720	680833	Tune-up limit (dBm)	MPR (dB)
				3302.5	3750	4197.5		
5	PI/2 BPSK	1	1	24.25	24.19	24.26	24.5	0.0

<n77 PC3 Ant6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				620666	646720	679333	Tune-up limit (dBm)	MPR (dB)
				3310	3750	4190		
20	PI/2 BPSK	1	1	21.36	21.11	21.25	21.5	0.0
20	PI/2 BPSK	1	53	21.08	21.19	21.19		
20	PI/2 BPSK	1	104	21.05	21.13	21.48		
20	PI/2 BPSK	50	0	20.25	20.08	20.23	20.5	1.0
20	PI/2 BPSK	50	28	20.20	20.26	20.32		
20	PI/2 BPSK	50	56	20.39	20.07	20.00		
20	PI/2 BPSK	100	0	20.29	20.34	20.06	20.5	1.0
20	QPSK	1	1	21.10	21.33	21.35	21.5	0.0
20	QPSK	1	53	21.41	21.13	21.12		
20	QPSK	1	104	21.12	21.24	21.34		
20	QPSK	50	0	20.47	20.21	20.25	20.5	1.0
20	QPSK	50	28	20.31	20.19	20.14		
20	QPSK	50	56	20.17	20.26	20.21		
20	QPSK	100	0	20.19	20.07	20.47	20.5	1.0
20	16QAM	1	1	21.47	21.44	21.47	21.5	0.0
20	16QAM	1	53	21.31	21.39	21.10		
20	16QAM	1	104	21.28	21.05	21.09		
20	16QAM	50	0	20.00	20.30	20.32	20.5	1.0
20	16QAM	50	28	20.15	20.21	20.42		
20	16QAM	50	56	20.10	20.09	20.06		
20	16QAM	100	0	20.14	20.23	20.15	20.5	1.0
20	64QAM	1	1	21.33	21.36	21.25	21.5	0.0
20	64QAM	1	53	21.19	21.45	21.23		
20	64QAM	1	104	21.39	21.19	21.39		
20	64QAM	50	0	20.33	20.29	20.38	20.5	1.0
20	64QAM	50	28	20.23	20.40	20.35		
20	64QAM	50	56	20.25	20.31	20.30		
20	64QAM	100	0	20.18	20.31	20.43	20.5	1.0
20	256QAM	1	1	21.13	21.15	21.01	21.5	0.0
20	256QAM	1	53	21.50	21.42	21.39		
20	256QAM	1	104	21.29	21.02	21.46		
20	256QAM	50	0	20.34	20.01	20.08	20.5	1.0
20	256QAM	50	28	20.18	20.31	20.41		
20	256QAM	50	56	20.34	20.04	20.02		
20	256QAM	100	0	20.35	20.15	20.20	20.5	1.0
Channel Frequency (MHz)				620166	646720	679833	Tune-up limit (dBm)	MPR (dB)
				3307.5	3750	4192.5		
15	PI/2 BPSK	1	1	21.02	21.32	21.05	21.5	0.0
Channel Frequency (MHz)				619666	646720	680333	Tune-up limit (dBm)	MPR (dB)
				3305	3750	4195		
10	PI/2 BPSK	1	1	21.19	21.06	21.33	21.5	0.0
Channel Frequency (MHz)				619166	646720	680833	Tune-up limit (dBm)	MPR (dB)
				3302.5	3750	4197.5		
5	PI/2 BPSK	1	1	21.07	21.30	21.13	21.5	0.0

<n77 PC2 Ant4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				620666	646720	679333	Tune-up limit (dBm)	MPR (dB)
				3310	3750	4190		
20	PI/2 BPSK	1	1	25.73	25.90	25.90	26.0	0.0
20	PI/2 BPSK	1	53	25.64	25.76	25.93		
20	PI/2 BPSK	1	104	25.66	25.81	25.72		
20	PI/2 BPSK	50	0	24.63	24.82	24.64	25.0	1.0
20	PI/2 BPSK	50	28	24.91	24.53	24.75		
20	PI/2 BPSK	50	56	24.72	24.78	24.92		
20	PI/2 BPSK	100	0	24.80	24.88	24.91	25.0	1.0
20	QPSK	1	1	25.73	25.71	25.82	26.0	0.0
20	QPSK	1	53	25.76	25.87	25.62		
20	QPSK	1	104	25.81	25.90	25.54		
20	QPSK	50	0	25.00	24.86	24.76	25.0	1.0
20	QPSK	50	28	24.79	24.78	24.85		
20	QPSK	50	56	24.83	24.91	24.92		
20	QPSK	100	0	24.52	24.99	24.78	25.0	1.0
20	16QAM	1	1	25.79	25.91	25.86	26.0	0.0
20	16QAM	1	53	25.95	25.72	25.99		
20	16QAM	1	104	25.68	25.69	25.82		
20	16QAM	50	0	24.98	24.78	24.86	25.0	1.0
20	16QAM	50	28	24.86	24.94	24.99		
20	16QAM	50	56	24.75	24.64	24.65		
20	16QAM	100	0	24.75	24.63	24.99	25.0	1.0
20	64QAM	1	1	25.92	25.68	25.57	26.0	0.0
20	64QAM	1	53	25.50	25.52	25.94		
20	64QAM	1	104	25.79	25.51	25.50		
20	64QAM	50	0	24.85	24.70	24.63	25.0	1.0
20	64QAM	50	28	24.58	24.58	24.60		
20	64QAM	50	56	24.51	24.78	24.57		
20	64QAM	100	0	24.52	24.91	24.68	25.0	1.0
20	256QAM	1	1	25.63	25.89	25.56	26.0	0.0
20	256QAM	1	53	25.74	25.99	25.99		
20	256QAM	1	104	25.76	25.79	25.63		
20	256QAM	50	0	24.88	24.93	24.82	25.0	1.0
20	256QAM	50	28	24.73	24.95	24.82		
20	256QAM	50	56	24.52	24.84	24.75		
20	256QAM	100	0	24.58	24.96	24.86	25.0	1.0
Channel Frequency (MHz)				620166	646720	679833	Tune-up limit (dBm)	MPR (dB)
				3307.5	3750	4192.5		
15	PI/2 BPSK	1	1	25.60	25.77	25.83	26.0	0.0
Channel Frequency (MHz)				619666	646720	680333	Tune-up limit (dBm)	MPR (dB)
				3305	3750	4195		
10	PI/2 BPSK	1	1	25.81	25.68	25.72	26.0	0.0
Channel Frequency (MHz)				619166	646720	680833	Tune-up limit (dBm)	MPR (dB)
				3302.5	3750	4197.5		
5	PI/2 BPSK	1	1	25.71	25.60	25.70	26.0	0.0

<n77 PC2 Ant6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				620666	646720	679333	Tune-up limit (dBm)	MPR (dB)
				3310	3750	4190		
20	PI/2 BPSK	1	1	22.74	22.97	22.97	23.0	0.0
20	PI/2 BPSK	1	53	22.54	22.74	22.90		
20	PI/2 BPSK	1	104	22.89	22.53	22.67		
20	PI/2 BPSK	50	0	21.65	21.60	21.78	22.0	1.0
20	PI/2 BPSK	50	28	21.57	21.97	21.84		
20	PI/2 BPSK	50	56	21.80	21.60	21.53		
20	PI/2 BPSK	100	0	21.63	21.98	21.55	22.0	1.0
20	QPSK	1	1	22.83	22.79	22.54	23.0	0.0
20	QPSK	1	53	22.99	22.89	22.51		
20	QPSK	1	104	22.58	22.73	22.78		
20	QPSK	50	0	21.58	21.79	21.86	22.0	1.0
20	QPSK	50	28	21.62	21.91	21.73		
20	QPSK	50	56	21.73	21.87	21.87		
20	QPSK	100	0	21.53	21.73	21.62	22.0	1.0
20	16QAM	1	1	22.99	22.85	22.97	23.0	0.0
20	16QAM	1	53	22.63	22.86	22.54		
20	16QAM	1	104	22.67	22.79	22.83		
20	16QAM	50	0	21.53	21.78	21.93	22.0	1.0
20	16QAM	50	28	21.79	21.87	21.57		
20	16QAM	50	56	21.77	21.95	21.57		
20	16QAM	100	0	21.89	21.61	21.96	22.0	1.0
20	64QAM	1	1	22.53	22.56	22.96	23.0	0.0
20	64QAM	1	53	22.75	22.94	22.55		
20	64QAM	1	104	22.76	22.67	22.71		
20	64QAM	50	0	21.76	21.61	21.66	22.0	1.0
20	64QAM	50	28	21.94	21.98	22.00		
20	64QAM	50	56	21.70	21.63	21.53		
20	64QAM	100	0	21.74	21.52	21.93	22.0	1.0
20	256QAM	1	1	22.95	22.73	22.79	23.0	0.0
20	256QAM	1	53	22.94	22.58	22.54		
20	256QAM	1	104	22.80	22.58	22.53		
20	256QAM	50	0	21.90	21.52	21.97	22.0	1.0
20	256QAM	50	28	21.52	21.62	21.98		
20	256QAM	50	56	21.94	21.95	21.67		
20	256QAM	100	0	21.71	21.77	21.66	22.0	1.0
Channel Frequency (MHz)				620166	646720	679833	Tune-up limit (dBm)	MPR (dB)
				3307.5	3750	4192.5		
15	PI/2 BPSK	1	1	22.74	22.76	22.68	23.0	0.0
Channel Frequency (MHz)				619666	646720	680333	Tune-up limit (dBm)	MPR (dB)
				3305	3750	4195		
10	PI/2 BPSK	1	1	22.93	22.99	22.99	23.0	0.0
Channel Frequency (MHz)				619166	646720	680833	Tune-up limit (dBm)	MPR (dB)
				3302.5	3750	4197.5		
5	PI/2 BPSK	1	1	22.52	22.92	22.56	23.0	0.0

Table 9.2 FR1 Backoff Power Measurements

<n2 Ant0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
				1860	1880	1900		
20	PI/2 BPSK	1	1	17.45	17.01	17.25	17.5	0.0
20	PI/2 BPSK	1	53	17.04	17.22	17.26		
20	PI/2 BPSK	1	104	17.11	17.29	17.15		
20	PI/2 BPSK	50	0	16.34	16.14	16.49	16.5	1.0
20	PI/2 BPSK	50	28	16.42	16.28	16.49		
20	PI/2 BPSK	50	56	16.35	16.10	16.13		
20	PI/2 BPSK	100	0	16.22	16.34	16.12	16.5	1.0
20	QPSK	1	1	17.27	17.30	17.47	17.5	0.0
20	QPSK	1	53	17.13	17.01	17.46		
20	QPSK	1	104	17.26	17.37	17.23		
20	QPSK	50	0	16.16	16.33	16.17	16.5	1.0
20	QPSK	50	28	16.16	16.04	16.13		
20	QPSK	50	56	16.07	16.27	16.28		
20	QPSK	100	0	16.39	16.39	16.15	16.5	1.0
20	16QAM	1	1	17.18	17.26	17.23	17.5	0.0
20	16QAM	1	53	17.40	17.33	17.18		
20	16QAM	1	104	17.08	17.33	17.05		
20	16QAM	50	0	16.48	16.38	16.14	16.5	1.0
20	16QAM	50	28	16.41	16.22	16.45		
20	16QAM	50	56	16.02	16.16	16.16		
20	16QAM	100	0	16.32	16.25	16.35	16.5	1.0
20	64QAM	1	1	17.15	17.41	17.03	17.5	0.0
20	64QAM	1	53	17.05	17.29	17.07		
20	64QAM	1	104	17.32	17.18	17.02		
20	64QAM	50	0	16.39	16.04	16.37	16.5	1.0
20	64QAM	50	28	16.44	16.37	16.10		
20	64QAM	50	56	16.47	16.17	16.29		
20	64QAM	100	0	16.43	16.26	16.45	16.5	1.0
20	256QAM	1	1	17.33	17.05	17.15	17.5	0.0
20	256QAM	1	53	17.47	17.37	17.21		
20	256QAM	1	104	17.44	17.07	17.37		
20	256QAM	50	0	16.42	16.16	16.27	16.5	1.0
20	256QAM	50	28	16.23	16.10	16.28		
20	256QAM	50	56	16.31	16.10	16.24		
20	256QAM	100	0	16.09	16.00	16.33	16.5	1.0
Channel Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	17.36	17.43	17.36	17.5	0.0
Channel Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
				1855	1880	1905		
10	PI/2 BPSK	1	1	17.11	17.30	17.40	17.5	0.0
Channel Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	17.48	17.05	17.42	17.5	0.0

<n2 Ant8>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
				1860	1880	1900		
20	PI/2 BPSK	1	1	14.17	14.36	14.07	14.5	0.0
20	PI/2 BPSK	1	53	14.48	14.33	14.12		
20	PI/2 BPSK	1	104	14.15	14.15	14.10		
20	PI/2 BPSK	50	0	13.19	13.34	13.14	13.5	1.0
20	PI/2 BPSK	50	28	13.12	13.28	13.04		
20	PI/2 BPSK	50	56	13.34	13.29	13.20		
20	PI/2 BPSK	100	0	13.35	13.21	13.39	13.5	1.0
20	QPSK	1	1	14.35	14.24	14.40	14.5	0.0
20	QPSK	1	53	14.46	14.49	14.46		
20	QPSK	1	104	14.46	14.19	14.00		
20	QPSK	50	0	13.42	13.08	13.26	13.5	1.0
20	QPSK	50	28	13.35	13.34	13.07		
20	QPSK	50	56	13.46	13.49	13.20		
20	QPSK	100	0	13.47	13.35	13.25	13.5	1.0
20	16QAM	1	1	14.25	14.13	14.49	14.5	0.0
20	16QAM	1	53	14.03	14.19	14.27		
20	16QAM	1	104	14.46	14.46	14.31		
20	16QAM	50	0	13.01	13.30	13.19	13.5	1.0
20	16QAM	50	28	13.18	13.48	13.15		
20	16QAM	50	56	13.03	13.31	13.44		
20	16QAM	100	0	13.49	13.32	13.11	13.5	1.0
20	64QAM	1	1	14.44	14.00	14.32	14.5	0.0
20	64QAM	1	53	14.44	14.34	14.14		
20	64QAM	1	104	14.37	14.49	14.25		
20	64QAM	50	0	13.27	13.01	13.43	13.5	1.0
20	64QAM	50	28	13.11	13.23	13.30		
20	64QAM	50	56	13.48	13.15	13.09		
20	64QAM	100	0	13.10	13.17	13.14	13.5	1.0
20	256QAM	1	1	14.08	14.32	14.06	14.5	0.0
20	256QAM	1	53	14.29	14.38	14.19		
20	256QAM	1	104	14.34	14.23	14.02		
20	256QAM	50	0	13.42	13.02	13.17	13.5	1.0
20	256QAM	50	28	13.26	13.33	13.40		
20	256QAM	50	56	13.12	13.05	13.49		
20	256QAM	100	0	13.04	13.13	13.20	13.5	1.0
Channel Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	14.20	14.27	14.37	14.5	0.0
Channel Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
				1855	1880	1905		
10	PI/2 BPSK	1	1	14.01	14.10	14.37	14.5	0.0
Channel Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	14.27	14.36	14.26	14.5	0.0

<n7 Ant0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
				2510	2535	2560		
20	PI/2 BPSK	1	1	19.10	19.36	19.11	19.5	0.0
20	PI/2 BPSK	1	53	19.41	19.34	19.36		
20	PI/2 BPSK	1	104	19.50	19.11	19.08		
20	PI/2 BPSK	50	0	18.37	18.15	18.18	18.5	1.0
20	PI/2 BPSK	50	28	18.30	18.35	18.17		
20	PI/2 BPSK	50	56	18.31	18.20	18.02		
20	PI/2 BPSK	100	0	18.25	18.45	18.20	18.5	1.0
20	QPSK	1	1	19.40	19.37	19.22	19.5	0.0
20	QPSK	1	53	19.39	19.37	19.49		
20	QPSK	1	104	19.39	19.47	19.35		
20	QPSK	50	0	18.04	18.28	18.13	18.5	1.0
20	QPSK	50	28	18.03	18.08	18.15		
20	QPSK	50	56	18.07	18.44	18.20		
20	QPSK	100	0	18.09	18.13	18.02	18.5	1.0
20	16QAM	1	1	19.22	19.22	19.22	19.5	0.0
20	16QAM	1	53	19.36	19.02	19.27		
20	16QAM	1	104	19.15	19.50	19.37		
20	16QAM	50	0	18.33	18.05	18.07	18.5	1.0
20	16QAM	50	28	18.37	18.26	18.43		
20	16QAM	50	56	18.13	18.47	18.15		
20	16QAM	100	0	18.09	18.47	18.12	18.5	1.0
20	64QAM	1	1	19.46	19.08	19.29	19.5	0.0
20	64QAM	1	53	19.38	19.23	19.03		
20	64QAM	1	104	19.49	19.08	19.24		
20	64QAM	50	0	18.15	18.18	18.03	18.5	1.0
20	64QAM	50	28	18.10	18.02	18.37		
20	64QAM	50	56	18.27	18.18	18.13		
20	64QAM	100	0	18.06	18.44	18.49	18.5	1.0
20	256QAM	1	1	19.18	19.48	19.11	19.5	0.0
20	256QAM	1	53	19.04	19.42	19.26		
20	256QAM	1	104	19.43	19.49	19.29		
20	256QAM	50	0	18.29	18.35	18.18	18.5	1.0
20	256QAM	50	28	18.09	18.42	18.35		
20	256QAM	50	56	18.12	18.48	18.33		
20	256QAM	100	0	18.33	18.03	18.05	18.5	1.0
Channel Frequency (MHz)				501500	507000	511500	Tune-up limit (dBm)	MPR (dB)
				2507.5	2535	2562.5		
15	PI/2 BPSK	1	1	19.20	19.01	19.15	19.5	0.0
Channel Frequency (MHz)				501000	507000	511000	Tune-up limit (dBm)	MPR (dB)
				2505	2535	2565		
10	PI/2 BPSK	1	1	19.46	19.06	19.20	19.5	0.0
Channel Frequency (MHz)				500500	507000	510500	Tune-up limit (dBm)	MPR (dB)
				2502.5	2535	2567.5		
5	PI/2 BPSK	1	1	19.12	19.19	19.27	19.5	0.0

<n7 Ant0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
				2510	2535	2560		
20	PI/2 BPSK	1	1	16.34	16.25	16.48	16.5	0.0
20	PI/2 BPSK	1	53	16.49	16.50	16.44		
20	PI/2 BPSK	1	104	16.37	16.43	16.06		
20	PI/2 BPSK	50	0	15.19	15.35	15.15	15.5	1.0
20	PI/2 BPSK	50	28	15.36	15.13	15.49		
20	PI/2 BPSK	50	56	15.11	15.08	15.16		
20	PI/2 BPSK	100	0	15.02	15.39	15.12	15.5	1.0
20	QPSK	1	1	16.13	16.10	16.04	16.5	0.0
20	QPSK	1	53	16.04	16.19	16.49		
20	QPSK	1	104	16.23	16.03	16.00		
20	QPSK	50	0	15.29	15.20	15.11	15.5	1.0
20	QPSK	50	28	15.32	15.43	15.11		
20	QPSK	50	56	15.06	15.37	15.44		
20	QPSK	100	0	15.26	15.43	15.36	15.5	1.0
20	16QAM	1	1	16.01	16.14	16.04	16.5	0.0
20	16QAM	1	53	16.38	16.46	16.50		
20	16QAM	1	104	16.32	16.17	16.43		
20	16QAM	50	0	15.23	15.25	15.11	15.5	1.0
20	16QAM	50	28	15.43	15.13	15.27		
20	16QAM	50	56	15.21	15.23	15.29		
20	16QAM	100	0	15.50	15.19	15.24	15.5	1.0
20	64QAM	1	1	16.18	16.29	16.44	16.5	0.0
20	64QAM	1	53	16.38	16.09	16.29		
20	64QAM	1	104	16.27	16.40	16.14		
20	64QAM	50	0	15.27	15.33	15.30	15.5	1.0
20	64QAM	50	28	15.16	15.30	15.11		
20	64QAM	50	56	15.05	15.16	15.48		
20	64QAM	100	0	15.25	15.21	15.11	15.5	1.0
20	256QAM	1	1	16.05	16.20	16.31	16.5	0.0
20	256QAM	1	53	16.32	16.11	16.00		
20	256QAM	1	104	16.31	16.29	16.06		
20	256QAM	50	0	15.34	15.13	15.39	15.5	1.0
20	256QAM	50	28	15.19	15.35	15.10		
20	256QAM	50	56	15.10	15.01	15.24		
20	256QAM	100	0	15.25	15.16	15.28	15.5	1.0
Channel Frequency (MHz)				501500	507000	511500	Tune-up limit (dBm)	MPR (dB)
				2507.5	2535	2562.5		
15	PI/2 BPSK	1	1	16.38	16.21	16.13	16.5	0.0
Channel Frequency (MHz)				501000	507000	511000	Tune-up limit (dBm)	MPR (dB)
				2505	2535	2565		
10	PI/2 BPSK	1	1	16.20	16.40	16.22	16.5	0.0
Channel Frequency (MHz)				500500	507000	510500	Tune-up limit (dBm)	MPR (dB)
				2502.5	2535	2567.5		
5	PI/2 BPSK	1	1	16.31	16.25	16.06	16.5	0.0

<n25 Ant0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
				1860	1882.5	1905		
20	PI/2 BPSK	1	1	17.17	17.25	17.33	17.5	0.0
20	PI/2 BPSK	1	53	17.47	17.11	17.28		
20	PI/2 BPSK	1	104	17.07	17.15	17.15		
20	PI/2 BPSK	50	0	16.09	16.41	16.30	16.5	1.0
20	PI/2 BPSK	50	28	16.49	16.24	16.01		
20	PI/2 BPSK	50	56	16.17	16.38	16.35		
20	PI/2 BPSK	100	0	16.00	16.06	16.34	16.5	1.0
20	QPSK	1	1	17.46	17.37	17.16	17.5	0.0
20	QPSK	1	53	17.20	17.31	17.28		
20	QPSK	1	104	17.32	17.41	17.32		
20	QPSK	50	0	16.10	16.49	16.16	16.5	1.0
20	QPSK	50	28	16.35	16.24	16.23		
20	QPSK	50	56	16.47	16.03	16.05		
20	QPSK	100	0	16.18	16.25	16.13	16.5	1.0
20	16QAM	1	1	17.25	17.34	17.46	17.5	0.0
20	16QAM	1	53	17.29	17.41	17.30		
20	16QAM	1	104	17.24	17.38	17.11		
20	16QAM	50	0	16.36	16.06	16.34	16.5	1.0
20	16QAM	50	28	16.46	16.36	16.08		
20	16QAM	50	56	16.31	16.06	16.35		
20	16QAM	100	0	16.17	16.16	16.16	16.5	1.0
20	64QAM	1	1	17.02	17.43	17.07	17.5	0.0
20	64QAM	1	53	17.24	17.01	17.24		
20	64QAM	1	104	17.04	17.05	17.29		
20	64QAM	50	0	16.32	16.09	16.03	16.5	1.0
20	64QAM	50	28	16.22	16.07	16.26		
20	64QAM	50	56	16.04	16.42	16.02		
20	64QAM	100	0	16.38	16.23	16.02	16.5	1.0
20	256QAM	1	1	17.50	17.45	17.06	17.5	0.0
20	256QAM	1	53	17.43	17.18	17.42		
20	256QAM	1	104	17.14	17.32	17.19		
20	256QAM	50	0	16.13	16.30	16.00	16.5	1.0
20	256QAM	50	28	16.49	16.26	16.39		
20	256QAM	50	56	16.25	16.09	16.12		
20	256QAM	100	0	16.50	16.08	16.43	16.5	1.0
Channel Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	17.45	17.48	17.41	17.5	0.0
Channel Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
				1855	1882.5	1910		
10	PI/2 BPSK	1	1	17.50	17.20	17.07	17.5	0.0
Channel Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	17.45	17.08	17.49	17.5	0.0

<n25 Ant8>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
				1860	1882.5	1905		
20	PI/2 BPSK	1	1	14.01	14.00	14.18	14.5	0.0
20	PI/2 BPSK	1	53	14.25	14.47	14.46		
20	PI/2 BPSK	1	104	14.45	14.10	14.27		
20	PI/2 BPSK	50	0	13.23	13.18	13.45	13.5	1.0
20	PI/2 BPSK	50	28	13.33	13.14	13.35		
20	PI/2 BPSK	50	56	13.42	13.16	13.32		
20	PI/2 BPSK	100	0	13.30	13.46	13.07	13.5	1.0
20	QPSK	1	1	14.44	14.18	14.29	14.5	0.0
20	QPSK	1	53	14.24	14.16	14.42		
20	QPSK	1	104	14.19	14.45	14.01		
20	QPSK	50	0	13.04	13.18	13.21	13.5	1.0
20	QPSK	50	28	13.28	13.17	13.27		
20	QPSK	50	56	13.00	13.37	13.06		
20	QPSK	100	0	13.04	13.19	13.41	13.5	1.0
20	16QAM	1	1	14.22	14.20	14.18	14.5	0.0
20	16QAM	1	53	14.45	14.44	14.41		
20	16QAM	1	104	14.15	14.18	14.29		
20	16QAM	50	0	13.46	13.16	13.16	13.5	1.0
20	16QAM	50	28	13.32	13.27	13.00		
20	16QAM	50	56	13.45	13.23	13.00		
20	16QAM	100	0	13.08	13.04	13.39	13.5	1.0
20	64QAM	1	1	14.06	14.26	14.27	14.5	0.0
20	64QAM	1	53	14.34	14.37	14.13		
20	64QAM	1	104	14.41	14.21	14.07		
20	64QAM	50	0	13.46	13.01	13.01	13.5	1.0
20	64QAM	50	28	13.42	13.00	13.46		
20	64QAM	50	56	13.28	13.48	13.34		
20	64QAM	100	0	13.16	13.03	13.09	13.5	1.0
20	256QAM	1	1	14.45	14.36	14.11	14.5	0.0
20	256QAM	1	53	14.08	14.13	14.20		
20	256QAM	1	104	14.31	14.26	14.28		
20	256QAM	50	0	13.17	13.27	13.46	13.5	1.0
20	256QAM	50	28	13.16	13.43	13.31		
20	256QAM	50	56	13.10	13.17	13.43		
20	256QAM	100	0	13.19	13.17	13.39	13.5	1.0
Channel Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	14.24	14.35	14.40	14.5	0.0
Channel Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
				1855	1882.5	1910		
10	PI/2 BPSK	1	1	14.30	14.30	14.10	14.5	0.0
Channel Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	14.32	14.04	14.11	14.5	0.0

<n41 PC2 & PC3 Ant8>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				501200	518601	536000	Tune-up limit (dBm)	MPR (dB)
				2506	2593	2680		
20	PI/2 BPSK	1	1	19.45	19.46	19.18	19.5	0.0
20	PI/2 BPSK	1	53	19.33	19.39	19.22		
20	PI/2 BPSK	1	104	19.24	19.46	19.38		
20	PI/2 BPSK	50	0	18.14	18.43	18.46	18.5	1.0
20	PI/2 BPSK	50	28	18.17	18.43	18.06		
20	PI/2 BPSK	50	56	18.37	18.38	18.49		
20	PI/2 BPSK	100	0	18.37	18.12	18.15	18.5	1.0
20	QPSK	1	1	19.24	19.02	19.48	19.5	0.0
20	QPSK	1	53	19.07	19.42	19.29		
20	QPSK	1	104	19.07	19.32	19.22		
20	QPSK	50	0	18.19	18.49	18.18	18.5	1.0
20	QPSK	50	28	18.17	18.06	18.41		
20	QPSK	50	56	18.48	18.11	18.10		
20	QPSK	100	0	18.16	18.36	18.06	18.5	1.0
20	16QAM	1	1	19.44	19.34	19.11	19.5	0.0
20	16QAM	1	53	19.04	19.37	19.02		
20	16QAM	1	104	19.41	19.16	19.17		
20	16QAM	50	0	18.30	18.43	18.40	18.5	1.0
20	16QAM	50	28	18.42	18.37	18.50		
20	16QAM	50	56	18.18	18.22	18.39		
20	16QAM	100	0	18.44	18.47	18.29	18.5	1.0
20	64QAM	1	1	19.44	19.30	19.19	19.5	0.0
20	64QAM	1	53	19.08	19.12	19.05		
20	64QAM	1	104	19.24	19.03	19.09		
20	64QAM	50	0	18.37	18.41	18.24	18.5	1.0
20	64QAM	50	28	18.02	18.35	18.13		
20	64QAM	50	56	18.44	18.49	18.35		
20	64QAM	100	0	18.18	18.46	18.50	18.5	1.0
20	256QAM	1	1	19.03	19.05	19.14	19.5	0.0
20	256QAM	1	53	19.07	19.02	19.21		
20	256QAM	1	104	19.25	19.48	19.05		
20	256QAM	50	0	18.45	18.33	18.45	18.5	1.0
20	256QAM	50	28	18.22	18.09	18.23		
20	256QAM	50	56	18.42	18.04	18.42		
20	256QAM	100	0	18.13	18.11	18.07	18.5	1.0
Channel Frequency (MHz)				500700	518601	536500	Tune-up limit (dBm)	MPR (dB)
				2503.5	2593	2682.5		
15	PI/2 BPSK	1	1	19.37	19.33	19.27	19.5	0.0
Channel Frequency (MHz)				500200	518601	537000	Tune-up limit (dBm)	MPR (dB)
				2501	2593	2685		
10	PI/2 BPSK	1	1	19.47	19.37	19.03	19.5	0.0
Channel Frequency (MHz)				499700	518601	537500	Tune-up limit (dBm)	MPR (dB)
				2498.5	2593	2687.5		
5	PI/2 BPSK	1	1	19.47	19.33	19.01	19.5	0.0

<n41 PC2 & PC3 Ant3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				501200	518601	536000	Tune-up limit (dBm)	MPR (dB)
				2506	2593	2680		
20	PI/2 BPSK	1	1	16.28	16.23	16.47	16.5	0.0
20	PI/2 BPSK	1	53	16.15	16.43	16.21		
20	PI/2 BPSK	1	104	16.47	16.04	16.27		
20	PI/2 BPSK	50	0	15.10	15.17	15.02	15.5	1.0
20	PI/2 BPSK	50	28	15.34	15.36	15.49		
20	PI/2 BPSK	50	56	15.48	15.27	15.14		
20	PI/2 BPSK	100	0	15.38	15.04	15.14	15.5	1.0
20	QPSK	1	1	16.37	16.35	16.32	16.5	0.0
20	QPSK	1	53	16.23	16.41	16.02		
20	QPSK	1	104	16.14	16.21	16.24		
20	QPSK	50	0	15.26	15.12	15.15	15.5	1.0
20	QPSK	50	28	15.45	15.48	15.20		
20	QPSK	50	56	15.05	15.18	15.27		
20	QPSK	100	0	15.26	15.39	15.26	15.5	1.0
20	16QAM	1	1	16.28	16.07	16.11	16.5	0.0
20	16QAM	1	53	16.05	16.39	16.29		
20	16QAM	1	104	16.12	16.06	16.37		
20	16QAM	50	0	15.33	15.30	15.19	15.5	1.0
20	16QAM	50	28	15.15	15.20	15.48		
20	16QAM	50	56	15.23	15.36	15.10		
20	16QAM	100	0	15.35	15.42	15.20	15.5	1.0
20	64QAM	1	1	16.47	16.15	16.21	16.5	0.0
20	64QAM	1	53	16.04	16.37	16.31		
20	64QAM	1	104	16.33	16.13	16.19		
20	64QAM	50	0	15.18	15.47	15.25	15.5	1.0
20	64QAM	50	28	15.40	15.12	15.41		
20	64QAM	50	56	15.31	15.29	15.08		
20	64QAM	100	0	15.06	15.11	15.23	15.5	1.0
20	256QAM	1	1	16.10	16.35	16.44	16.5	0.0
20	256QAM	1	53	16.05	16.11	16.23		
20	256QAM	1	104	16.32	16.40	16.22		
20	256QAM	50	0	15.32	15.40	15.14	15.5	1.0
20	256QAM	50	28	15.06	15.01	15.18		
20	256QAM	50	56	15.13	15.40	15.27		
20	256QAM	100	0	15.18	15.23	15.28	15.5	1.0
Channel Frequency (MHz)				500700	518601	536500	Tune-up limit (dBm)	MPR (dB)
				2503.5	2593	2682.5		
15	PI/2 BPSK	1	1	16.45	16.10	16.13	16.5	0.0
Channel Frequency (MHz)				500200	518601	537000	Tune-up limit (dBm)	MPR (dB)
				2501	2593	2685		
10	PI/2 BPSK	1	1	16.43	16.35	16.38	16.5	0.0
Channel Frequency (MHz)				499700	518601	537500	Tune-up limit (dBm)	MPR (dB)
				2498.5	2593	2687.5		
5	PI/2 BPSK	1	1	16.21	16.50	16.25	16.5	0.0

<n66 Ant0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
				1720	1745	1770		
20	PI/2 BPSK	1	1	19.20	19.44	19.14	19.5	0.0
20	PI/2 BPSK	1	53	19.46	19.25	19.48		
20	PI/2 BPSK	1	104	19.09	19.18	19.10		
20	PI/2 BPSK	50	0	18.11	18.28	18.14	18.5	1.0
20	PI/2 BPSK	50	28	18.26	18.33	18.28		
20	PI/2 BPSK	50	56	18.06	18.16	18.17		
20	PI/2 BPSK	100	0	18.34	18.18	18.13	18.5	1.0
20	QPSK	1	1	19.00	19.11	19.50	19.5	0.0
20	QPSK	1	53	19.44	19.32	19.14		
20	QPSK	1	104	19.21	19.14	19.28		
20	QPSK	50	0	18.48	18.28	18.44	18.5	1.0
20	QPSK	50	28	18.17	18.04	18.21		
20	QPSK	50	56	18.45	18.17	18.48		
20	QPSK	100	0	18.15	18.33	18.50	18.5	1.0
20	16QAM	1	1	19.33	19.10	19.21	19.5	0.0
20	16QAM	1	53	19.27	19.43	19.31		
20	16QAM	1	104	19.21	19.36	19.18		
20	16QAM	50	0	18.03	18.26	18.38	18.5	1.0
20	16QAM	50	28	18.17	18.49	18.20		
20	16QAM	50	56	18.18	18.18	18.21		
20	16QAM	100	0	18.23	18.50	18.16	18.5	1.0
20	64QAM	1	1	19.49	19.15	19.15	19.5	0.0
20	64QAM	1	53	19.04	19.09	19.34		
20	64QAM	1	104	19.14	19.20	19.44		
20	64QAM	50	0	18.24	18.26	18.15	18.5	1.0
20	64QAM	50	28	18.30	18.34	18.21		
20	64QAM	50	56	18.13	18.19	18.12		
20	64QAM	100	0	18.36	18.38	18.12	18.5	1.0
20	256QAM	1	1	19.23	19.49	19.23	19.5	0.0
20	256QAM	1	53	19.14	19.10	19.17		
20	256QAM	1	104	19.03	19.25	19.39		
20	256QAM	50	0	18.10	18.43	18.11	18.5	1.0
20	256QAM	50	28	18.07	18.29	18.19		
20	256QAM	50	56	18.03	18.29	18.13		
20	256QAM	100	0	18.27	18.11	18.43	18.5	1.0
Channel Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	19.45	19.04	19.02	19.5	0.0
Channel Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				1715	1745	1775		
10	PI/2 BPSK	1	1	19.27	19.26	19.24	19.5	0.0
Channel Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	19.37	19.02	19.41	19.5	0.0

<n66 Ant8>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
				1720	1745	1770		
20	PI/2 BPSK	1	1	16.00	16.33	16.37	16.5	0.0
20	PI/2 BPSK	1	53	16.14	16.10	16.22		
20	PI/2 BPSK	1	104	16.25	16.03	16.27		
20	PI/2 BPSK	50	0	15.02	15.11	15.38	15.5	1.0
20	PI/2 BPSK	50	28	15.17	15.10	15.49		
20	PI/2 BPSK	50	56	15.11	15.39	15.12		
20	PI/2 BPSK	100	0	15.42	15.21	15.43	15.5	1.0
20	QPSK	1	1	16.07	16.24	16.05	16.5	0.0
20	QPSK	1	53	16.39	16.04	16.38		
20	QPSK	1	104	16.24	16.45	16.31		
20	QPSK	50	0	15.21	15.15	15.01	15.5	1.0
20	QPSK	50	28	15.02	15.25	15.40		
20	QPSK	50	56	15.13	15.12	15.37		
20	QPSK	100	0	15.03	15.12	15.20	15.5	1.0
20	16QAM	1	1	16.12	16.48	16.23	16.5	0.0
20	16QAM	1	53	16.35	16.12	16.10		
20	16QAM	1	104	16.29	16.35	16.46		
20	16QAM	50	0	15.36	15.13	15.41	15.5	1.0
20	16QAM	50	28	15.06	15.20	15.18		
20	16QAM	50	56	15.44	15.11	15.27		
20	16QAM	100	0	15.09	15.38	15.32	15.5	1.0
20	64QAM	1	1	16.42	16.49	16.49	16.5	0.0
20	64QAM	1	53	16.06	16.03	16.11		
20	64QAM	1	104	16.22	16.43	16.21		
20	64QAM	50	0	15.17	15.32	15.31	15.5	1.0
20	64QAM	50	28	15.18	15.20	15.04		
20	64QAM	50	56	15.06	15.35	15.25		
20	64QAM	100	0	15.41	15.08	15.43	15.5	1.0
20	256QAM	1	1	16.44	16.14	16.10	16.5	0.0
20	256QAM	1	53	16.07	16.35	16.10		
20	256QAM	1	104	16.42	16.37	16.19		
20	256QAM	50	0	15.50	15.46	15.47	15.5	1.0
20	256QAM	50	28	15.32	15.00	15.33		
20	256QAM	50	56	15.20	15.29	15.32		
20	256QAM	100	0	15.49	15.40	15.50	15.5	1.0
Channel Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	16.45	16.28	16.40	16.5	0.0
Channel Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				1715	1745	1775		
10	PI/2 BPSK	1	1	16.01	16.09	16.42	16.5	0.0
Channel Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	16.21	16.14	16.40	16.5	0.0

<n77 PC2 & PC3 Ant4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				620666	646720	679333	Tune-up limit (dBm)	MPR (dB)
				3310	3750	4190		
20	PI/2 BPSK	1	1	21.32	21.11	21.43	21.5	0.0
20	PI/2 BPSK	1	53	21.45	21.25	21.31		
20	PI/2 BPSK	1	104	21.43	21.17	21.12		
20	PI/2 BPSK	50	0	20.34	20.13	20.09	20.5	1.0
20	PI/2 BPSK	50	28	20.05	20.29	20.14		
20	PI/2 BPSK	50	56	20.04	20.33	20.31		
20	PI/2 BPSK	100	0	20.07	20.41	20.32	20.5	1.0
20	QPSK	1	1	21.17	21.42	21.44	21.5	0.0
20	QPSK	1	53	21.17	21.37	21.29		
20	QPSK	1	104	21.34	21.41	21.14		
20	QPSK	50	0	20.03	20.29	20.44	20.5	1.0
20	QPSK	50	28	20.30	20.06	20.42		
20	QPSK	50	56	20.47	20.12	20.45		
20	QPSK	100	0	20.44	20.47	20.17	20.5	1.0
20	16QAM	1	1	21.02	21.02	21.02	21.5	0.0
20	16QAM	1	53	21.28	21.23	21.30		
20	16QAM	1	104	21.48	21.05	21.37		
20	16QAM	50	0	20.35	20.34	20.06	20.5	1.0
20	16QAM	50	28	20.31	20.32	20.35		
20	16QAM	50	56	20.42	20.48	20.09		
20	16QAM	100	0	20.32	20.17	20.12	20.5	1.0
20	64QAM	1	1	21.12	21.36	21.26	21.5	0.0
20	64QAM	1	53	21.12	21.34	21.47		
20	64QAM	1	104	21.27	21.42	21.00		
20	64QAM	50	0	20.08	20.01	20.14	20.5	1.0
20	64QAM	50	28	20.01	20.37	20.30		
20	64QAM	50	56	20.40	20.38	20.13		
20	64QAM	100	0	20.15	20.40	20.03	20.5	1.0
20	256QAM	1	1	21.08	21.13	21.15	21.5	0.0
20	256QAM	1	53	21.32	21.10	21.08		
20	256QAM	1	104	21.30	21.10	21.45		
20	256QAM	50	0	20.10	20.26	20.20	20.5	1.0
20	256QAM	50	28	20.23	20.33	20.05		
20	256QAM	50	56	20.29	20.12	20.37		
20	256QAM	100	0	20.13	20.38	20.15	20.5	1.0
Channel Frequency (MHz)				620166	646720	679833	Tune-up limit (dBm)	MPR (dB)
				3307.5	3750	4192.5		
15	PI/2 BPSK	1	1	21.30	21.10	21.13	21.5	0.0
Channel Frequency (MHz)				619666	646720	680333	Tune-up limit (dBm)	MPR (dB)
				3305	3750	4195		
10	PI/2 BPSK	1	1	21.28	21.39	21.01	21.5	0.0
Channel Frequency (MHz)				619166	646720	680833	Tune-up limit (dBm)	MPR (dB)
				3302.5	3750	4197.5		
5	PI/2 BPSK	1	1	21.34	21.43	21.01	21.5	0.0

<n77 PC2 & PC3 Ant6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				620666	646720	679333	Tune-up limit (dBm)	MPR (dB)
				3310	3750	4190		
20	PI/2 BPSK	1	1	18.13	18.30	18.30	18.5	0.0
20	PI/2 BPSK	1	53	18.11	18.06	18.48		
20	PI/2 BPSK	1	104	18.06	18.26	18.15		
20	PI/2 BPSK	50	0	17.11	17.35	17.05	17.5	1.0
20	PI/2 BPSK	50	28	17.31	17.09	17.30		
20	PI/2 BPSK	50	56	17.09	17.18	17.16		
20	PI/2 BPSK	100	0	17.01	17.11	17.00	17.5	1.0
20	QPSK	1	1	18.18	18.41	18.22	18.5	0.0
20	QPSK	1	53	18.10	18.29	18.46		
20	QPSK	1	104	18.48	18.44	18.43		
20	QPSK	50	0	17.43	17.39	17.13	17.5	1.0
20	QPSK	50	28	17.42	17.21	17.07		
20	QPSK	50	56	17.47	17.14	17.04		
20	QPSK	100	0	17.08	17.36	17.32	17.5	1.0
20	16QAM	1	1	18.06	18.31	18.17	18.5	0.0
20	16QAM	1	53	18.20	18.14	18.44		
20	16QAM	1	104	18.05	18.41	18.06		
20	16QAM	50	0	17.28	17.12	17.40	17.5	1.0
20	16QAM	50	28	17.10	17.18	17.04		
20	16QAM	50	56	17.49	17.31	17.37		
20	16QAM	100	0	17.12	17.04	17.26	17.5	1.0
20	64QAM	1	1	18.04	18.33	18.30	18.5	0.0
20	64QAM	1	53	18.43	18.41	18.41		
20	64QAM	1	104	18.49	18.29	18.18		
20	64QAM	50	0	17.40	17.15	17.29	17.5	1.0
20	64QAM	50	28	17.14	17.04	17.04		
20	64QAM	50	56	17.36	17.19	17.42		
20	64QAM	100	0	17.33	17.27	17.14	17.5	1.0
20	256QAM	1	1	18.07	18.12	18.06	18.5	0.0
20	256QAM	1	53	18.33	18.14	18.37		
20	256QAM	1	104	18.45	18.28	18.13		
20	256QAM	50	0	17.25	17.39	17.39	17.5	1.0
20	256QAM	50	28	17.01	17.17	17.17		
20	256QAM	50	56	17.05	17.21	17.18		
20	256QAM	100	0	17.13	17.47	17.39	17.5	1.0
Channel Frequency (MHz)				620166	646720	679833	Tune-up limit (dBm)	MPR (dB)
				3307.5	3750	4192.5		
15	PI/2 BPSK	1	1	18.01	18.46	18.17	18.5	0.0
Channel Frequency (MHz)				619666	646720	680333	Tune-up limit (dBm)	MPR (dB)
				3305	3750	4195		
10	PI/2 BPSK	1	1	18.41	18.43	18.07	18.5	0.0
Channel Frequency (MHz)				619166	646720	680833	Tune-up limit (dBm)	MPR (dB)
				3302.5	3750	4197.5		
5	PI/2 BPSK	1	1	18.38	18.16	18.37	18.5	0.0

9. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
2. Per KDB 447498 D01v06, 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:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 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
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.

FR1 Note:

1. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
 - a. SAR testing start with the largest channel bandwidth and measure SAR for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - b. 50% RB allocation for PI/2 BPSK SAR testing follows 1RB PI/2 BPSK allocation procedure
 - c. PI/2 BPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - d. QPSK/16QAM/64QAM/256QAM output powers are not $\frac{1}{2}$ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - e. Smaller bandwidth output power for each RB allocation configuration for this device will not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - f. For 5G FR1 n5/n12/n41/n71 the maximum bandwidth does not support three non-overlapping channels, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
2. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% duty cycle. The Qualcomm QRCT program was used to establish the connection.

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 Band 2 Ant 8	20M	BPSK	1	53	Side A	10mm	376000	1880	14.33	14.50	0.425	0.44
	FR1 Band 2 Ant 8	20M	BPSK	50	28		10mm	376000	1880	13.28	13.50	0.369	0.39
	FR1 Band 2 Ant 8	20M	BPSK	1	53	Side C	10mm	376000	1880	14.33	14.50	0.269	0.28
	FR1 Band 2 Ant 8	20M	BPSK	50	28		10mm	376000	1880	13.28	13.50	0.157	0.17
	FR1 Band 2 Ant 8	20M	BPSK	1	53	Side D	10mm	376000	1880	14.33	14.50	0.536	0.56
	FR1 Band 2 Ant 8	20M	BPSK	50	28		10mm	376000	1880	13.28	13.50	0.415	0.44
	FR1 Band 2 Ant 0	20M	BPSK	50	28	Side F	10mm	376000	1880	13.28	13.50	1.01	1.06
	FR1 Band 5 Ant 0	10M	BPSK	1	53	Side C	10mm	167300	836.5	23.88	24.00	0.397	0.41
	FR1 Band 5 Ant 1	10M	BPSK	1	53	Side A	10mm	167300	836.5	23.53	24.00	0.751	0.84
	FR1 Band 5 Ant 1	10M	BPSK	25	14		10mm	167300	836.5	22.87	23.00	0.632	0.65
	FR1 Band 5 Ant 1	10M	BPSK	1	53	Side B	10mm	167300	836.5	23.53	24.00	0.256	0.29
	FR1 Band 5 Ant 1	10M	BPSK	25	14		10mm	167300	836.5	22.87	23.00	0.139	0.14
	FR1 Band 5 Ant 1	10M	BPSK	1	53	Side C	10mm	167300	836.5	23.53	24.00	0.702	0.78
	FR1 Band 5 Ant 1	10M	BPSK	25	14		10mm	167300	836.5	22.87	23.00	0.618	0.64
	FR1 Band 5 Ant 1	10M	BPSK	1	53	Side D	10mm	167300	836.5	23.53	24.00	0.428	0.48
	FR1 Band 5 Ant 1	10M	BPSK	25	14		10mm	167300	836.5	22.87	23.00	0.317	0.33
	FR1 Band 5 Ant 1	10M	BPSK	1	53	Side E	10mm	167300	836.5	23.53	24.00	0.0753	0.08
	FR1 Band 5 Ant 1	10M	BPSK	25	14		10mm	167300	836.5	22.87	23.00	0.0632	0.07
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side A	10mm	502000	2510	19.41	19.50	0.835	0.85
	FR1 Band 7 Ant 0	20M	BPSK	1	53		10mm	507000	2535	19.34	19.50	0.984	1.02
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side B	10mm	512000	2560	19.36	19.50	0.855	0.88
	FR1 Band 7 Ant 0	20M	BPSK	50	28		10mm	507000	2535	18.35	18.50	0.712	0.74
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side C	10mm	507000	2535	23.60	24.00	0.159	0.17
	FR1 Band 7 Ant 0	20M	BPSK	50	28		10mm	507000	2535	22.65	23.00	0.103	0.11
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side D	10mm	502000	2510	19.41	19.50	0.674	0.69
	FR1 Band 7 Ant 0	20M	BPSK	1	53		10mm	507000	2535	19.34	19.50	0.803	0.83
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side E	10mm	512000	2560	19.36	19.50	0.587	0.61
	FR1 Band 7 Ant 0	20M	BPSK	50	28		10mm	507000	2535	18.35	18.50	0.637	0.66
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side F	10mm	507000	2535	19.34	19.50	0.0543	0.06
	FR1 Band 7 Ant 0	20M	BPSK	50	28		10mm	507000	2535	18.35	18.50	0.0411	0.04
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side G	10mm	502000	2510	19.41	19.50	1.02	1.04
	FR1 Band 7 Ant 0	20M	BPSK	1	53		10mm	507000	2535	19.34	19.50	1.17	1.21
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side H	10mm	512000	2560	19.36	19.50	1.12	1.16
	FR1 Band 7 Ant 0	20M	BPSK	50	28		10mm	507000	2535	18.35	18.50	0.983	1.02
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side I	20mm	507000	2535	23.60	24.00	0.957	1.05
	FR1 Band 7 Ant 0	20M	BPSK	1	53	Side J	10mm	507000	2535	16.50	16.50	0.511	0.51
	Repeat	20M	BPSK	1	53	Side K	10mm	507000	2535	19.34	19.50	1.15	1.19
9	FR1 Band 12 Ant 0	10M	BPSK	1	53	Side A	10mm	141500	707.5	23.58	24.00	0.653	0.72
	FR1 Band 12 Ant 0	10M	BPSK	25	14		10mm	141500	707.5	22.89	23.00	0.521	0.53
	FR1 Band 12 Ant 0	10M	BPSK	1	53	Side B	10mm	141500	707.5	23.58	24.00	0.279	0.31
	FR1 Band 12 Ant 0	10M	BPSK	25	14		10mm	141500	707.5	22.89	23.00	0.187	0.19
	FR1 Band 12 Ant 0	10M	BPSK	1	53	Side C	10mm	141500	707.5	23.58	24.00	0.482	0.53
	FR1 Band 12 Ant 0	10M	BPSK	25	14		10mm	141500	707.5	22.89	23.00	0.329	0.34
	FR1 Band 12 Ant 0	10M	BPSK	1	53	Side D	10mm	141500	707.5	23.58	24.00	0.305	0.34
	FR1 Band 12 Ant 0	10M	BPSK	25	14		10mm	141500	707.5	22.89	23.00	0.211	0.22
	FR1 Band 12 Ant 0	10M	BPSK	1	53	Side E	10mm	141500	707.5	23.58	24.00	0.0702	0.08
	FR1 Band 12 Ant 0	10M	BPSK	25	14		10mm	141500	707.5	22.89	23.00	0.0597	0.06
	FR1 Band 25 Ant 0	20M	QPSK	1	53	Side A	10mm	372000	1860	17.47	17.50	0.879	0.89
	FR1 Band 25 Ant 0	20M	QPSK	1	53		10mm	376500	1882.5	17.11	17.50	1.01	1.11
	FR1 Band 25 Ant 0	20M	QPSK	1	53	Side B	10mm	381000	1905	17.28	17.50	1.04	1.10
	FR1 Band 25 Ant 0	20M	QPSK	50	28		10mm	376500	1882.5	16.24	16.50	0.824	0.88
	FR1 Band 25 Ant 0	20M	QPSK	1	53	Side C	10mm	376500	1882.5	23.57	24.00	0.295	0.33
	FR1 Band 25 Ant 0	20M	QPSK	50	28		10mm	376500	1882.5	22.79	23.00	0.187	0.20
	FR1 Band 25 Ant 0	20M	QPSK	1	53	Side D	10mm	376500	1882.5	17.11	17.50	0.713	0.78
	FR1 Band 25 Ant 0	20M	QPSK	50	28		10mm	376500	1882.5	16.24	16.50	0.625	0.66
	FR1 Band 25 Ant 0	20M	QPSK	1	53	Side E	10mm	376500	1882.5	17.11	17.50	0.0170	0.02
	FR1 Band 25 Ant 0	20M	QPSK	50	28		10mm	376500	1882.5	16.24	16.50	0.0103	0.01
2	FR1 Band 25 Ant 0	20M	QPSK	1	53	Side F	10mm	372000	1860	17.47	17.50	1.10	1.11
	FR1 Band 25 Ant 0	20M	QPSK	1	53		10mm	376500	1882.5	17.11	17.50	1.00	1.10
	FR1 Band 25 Ant 0	20M	QPSK	1	53	Side G	10mm	381000	1905	17.28	17.50	0.921	0.97
	FR1 Band 25 Ant 0	20M	QPSK	50	28		10mm	376500	1882.5	16.24	16.50	0.792	0.84
	FR1 Band 25 Ant 0	20M	QPSK	1	53	Side H	20mm	376500	1882.5	23.57	24.00	0.883	0.97
	FR1 Band 25 Ant 8	20M	QPSK	1	53	Side A	10mm	376500	1882.5	14.47	14.50	0.426	0.43
	FR1 Band 25 Ant 8	20M	QPSK	1	53	Side C	10mm	376500	1882.5	14.47	14.50	0.269	0.27
	FR1 Band 25 Ant 8	20M	QPSK	1	53	Side D	10mm	376500	1882.5	14.47	14.50	0.152	0.15

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
3	FR1 Band 26 Ant 0	20M	BPSK	1	53	Side A	10mm	164800	824	23.70	24.00	0.800	0.86
	FR1 Band 26 Ant 0	20M	BPSK	1	53		10mm	166300	831.5	23.87	24.00	0.832	0.86
	FR1 Band 26 Ant 0	20M	BPSK	1	53		10mm	167800	839	23.95	24.00	0.853	0.86
	FR1 Band 26 Ant 0	20M	BPSK	50	28	Side B	10mm	166300	831.5	22.56	23.00	0.711	0.79
	FR1 Band 26 Ant 0	20M	BPSK	1	53		10mm	166300	831.5	23.87	24.00	0.310	0.32
	FR1 Band 26 Ant 0	20M	BPSK	50	28		10mm	166300	831.5	22.56	23.00	0.265	0.29
	FR1 Band 26 Ant 0	20M	BPSK	1	53	Side C	10mm	164800	824	23.70	24.00	0.733	0.79
	FR1 Band 26 Ant 0	20M	BPSK	1	53		10mm	166300	831.5	23.87	24.00	0.822	0.85
	FR1 Band 26 Ant 0	20M	BPSK	1	53		10mm	167800	839	23.95	24.00	0.621	0.63
	FR1 Band 26 Ant 0	20M	BPSK	50	28	Side D	10mm	166300	831.5	22.56	23.00	0.702	0.78
	FR1 Band 26 Ant 0	20M	BPSK	1	53		10mm	166300	831.5	23.87	24.00	0.569	0.59
	FR1 Band 26 Ant 0	20M	BPSK	50	28		10mm	166300	831.5	22.56	23.00	0.418	0.46
10	FR1 Band 26 Ant 0	20M	BPSK	1	53	Side F	10mm	166300	831.5	23.87	24.00	0.0889	0.09
	FR1 Band 26 Ant 0	20M	BPSK	50	28		10mm	166300	831.5	22.56	23.00	0.0736	0.08
	FR1 Band 30 Ant 0	10M	BPSK	1	53	Side A	10mm	462000	2310	22.93	23.00	0.576	0.59
	FR1 Band 30 Ant 0	10M	BPSK	25	14		10mm	462000	2310	21.62	22.00	0.468	0.51
	FR1 Band 30 Ant 0	10M	BPSK	1	53	Side B	10mm	462000	2310	22.93	23.00	0.369	0.38
	FR1 Band 30 Ant 0	10M	BPSK	25	14		10mm	462000	2310	21.62	22.00	0.248	0.27
	FR1 Band 30 Ant 0	10M	BPSK	1	53	Side C	10mm	462000	2310	22.93	23.00	0.406	0.41
	FR1 Band 30 Ant 0	10M	BPSK	25	14		10mm	462000	2310	21.62	22.00	0.302	0.33
	FR1 Band 30 Ant 0	10M	BPSK	1	53	Side D	10mm	462000	2310	22.93	23.00	0.478	0.49
	FR1 Band 30 Ant 0	10M	BPSK	25	14		10mm	462000	2310	21.62	22.00	0.369	0.40
	FR1 Band 30 Ant 0	10M	BPSK	1	53	Side F	10mm	462000	2310	22.93	23.00	0.469	0.48
	FR1 Band 30 Ant 0	10M	BPSK	25	14		10mm	462000	2310	21.62	22.00	0.324	0.35
4	FR1 Band 41 Ant 8	20M	BPSK	1	53	Side A	10mm	518601	2593	19.39	19.50	0.752	0.77
	FR1 Band 41 Ant 8	20M	BPSK	50	28		10mm	518601	2593	18.43	18.50	0.634	0.64
	FR1 Band 41 Ant 8	20M	BPSK	1	53	Side C	10mm	518601	2593	19.39	19.50	0.303	0.31
	FR1 Band 41 Ant 8	20M	BPSK	50	28		10mm	518601	2593	18.43	18.50	0.246	0.25
	FR1 Band 41 Ant 8	20M	BPSK	1	53	Side D	10mm	518601	2593	19.39	19.50	0.106	0.11
	FR1 Band 41 Ant 8	20M	BPSK	50	28		10mm	518601	2593	18.43	18.50	0.0922	0.09
	FR1 Band 41 Ant 8	20M	BPSK	1	53	Side A	20mm	518601	2593	26.77	27.00	0.736	0.78
	FR1 Band 41 Ant 8	20M	BPSK	1	53	Side A	10mm	518601	2593	16.38	16.50	0.301	0.31
	FR1 Band 41 Ant 3	20M	BPSK	1	53	Side A	10mm	518601	2593	16.43	16.50	0.326	0.33
	FR1 Band 41 Ant 3	20M	BPSK	1	53	Side C	10mm	518601	2593	16.43	16.50	0.126	0.13
	FR1 Band 41 Ant 3	20M	BPSK	1	53	Side D	10mm	518601	2593	16.43	16.50	0.0957	0.10
	2x2 UL Ant 8 & Ant 3	20M	BPSK	1	53	Side A	10mm	518601	2593	Above	Above	0.627	0.64
5	FR1 Band 48 Ant 4	20M	BPSK	1	53	Side A	10mm	637333	3560	21.43	21.50	0.845	0.86
	FR1 Band 48 Ant 4	20M	BPSK	1	53		10mm	640220	3603.3	21.37	21.50	1.06	1.09
	FR1 Band 48 Ant 4	20M	BPSK	1	53		10mm	643113	3625	21.36	21.50	1.06	1.09
	FR1 Band 48 Ant 4	20M	BPSK	1	53		10mm	646000	3690	21.02	21.50	0.859	0.96
	FR1 Band 48 Ant 4	20M	BPSK	50	28		10mm	643113	3625	20.49	20.50	0.722	0.72
	FR1 Band 48 Ant 4	20M	BPSK	1	53	Side B	10mm	643113	3625	21.36	21.50	0.305	0.31
	FR1 Band 48 Ant 4	20M	BPSK	50	28		10mm	643113	3625	20.49	20.50	0.207	0.21
	FR1 Band 48 Ant 4	20M	BPSK	1	53	Side C	10mm	643113	3625	21.36	21.50	0.666	0.69
	FR1 Band 48 Ant 4	20M	BPSK	50	28		10mm	643113	3625	20.49	20.50	0.533	0.53
	FR1 Band 48 Ant 4	20M	BPSK	1	53	Side F	10mm	637333	3560	21.43	21.50	1.09	1.11
	FR1 Band 48 Ant 4	20M	BPSK	1	53		10mm	640220	3603.3	21.37	21.50	1.17	1.21
	FR1 Band 48 Ant 4	20M	BPSK	1	53		10mm	643113	3625	21.36	21.50	1.06	1.09
	FR1 Band 48 Ant 4	20M	BPSK	1	53		10mm	646000	3690	21.02	21.50	0.956	1.07
	FR1 Band 48 Ant 4	20M	BPSK	50	28		10mm	643113	3625	20.49	20.50	0.864	0.87
	FR1 Band 48 Ant 4	20M	BPSK	1	53	Side F	10mm	640220	3603.3	18.27	18.50	0.497	0.52
	Repeat	20M	BPSK	1	53	Side F	10mm	640220	3603.3	21.37	21.50	1.15	1.19
	FR1 Band 48 Ant 6	20M	BPSK	1	53	Side A	10mm	640220	3603.3	18.16	18.50	0.189	0.20
	FR1 Band 48 Ant 6	20M	BPSK	1	53	Side C	10mm	640220	3603.3	18.16	18.50	0.211	0.23
	FR1 Band 48 Ant 6	20M	BPSK	1	53	Side D	10mm	640220	3603.3	18.16	18.50	0.269	0.29
	FR1 Band 48 Ant 6	20M	BPSK	1	53	Side F	10mm	640220	3603.3	18.16	18.50	0.388	0.42
	2x2 UL Ant 4 & Ant 6	20M	BPSK	1	53	Side F	10mm	640220	3603.3	Above	Above	0.885	0.94

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
6	FR1 Band 66_Ant 0	20M	BPSK	1	53	Side A	10mm	344000	1720	19.46	19.50	0.934	0.94
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	349000	1745	19.25	19.50	1.05	1.11
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	354000	1770	19.48	19.50	1.02	1.03
	FR1 Band 66_Ant 0	20M	BPSK	50	28	Side B	10mm	349000	1745	18.33	18.50	0.872	0.91
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	349000	1745	23.80	24.00	0.300	0.31
	FR1 Band 66_Ant 0	20M	BPSK	50	28		10mm	349000	1745	22.62	23.00	0.254	0.28
	FR1 Band 66_Ant 0	20M	BPSK	1	53	Side C	10mm	344000	1720	19.46	19.50	0.960	0.97
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	349000	1745	19.25	19.50	1.00	1.06
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	354000	1770	19.48	19.50	1.10	1.11
	FR1 Band 66_Ant 0	20M	BPSK	50	28	Side D	10mm	349000	1745	18.33	18.50	0.821	0.85
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	349000	1745	19.25	19.50	0.102	0.11
	FR1 Band 66_Ant 0	20M	BPSK	50	28		10mm	349000	1745	18.33	18.50	0.0856	0.09
	FR1 Band 66_Ant 0	20M	BPSK	1	53	Side F	10mm	344000	1720	19.46	19.50	0.995	1.00
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	349000	1745	19.25	19.50	1.12	1.19
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	354000	1770	19.48	19.50	1.06	1.06
7	FR1 Band 66_Ant 0	20M	BPSK	50	28	Side F	10mm	349000	1745	18.33	16.50	0.822	0.54
	FR1 Band 66_Ant 0	20M	BPSK	1	53		20mm	349000	1745	23.80	24.50	0.867	1.02
	FR1 Band 66_Ant 0	20M	BPSK	1	53		10mm	349000	1745	16.42	16.50	0.501	0.51
	Repeat	20M	BPSK	1	53	Side F	10mm	349000	1745	19.25	19.50	1.10	1.17
	FR1 Band 66_Ant 8	20M	BPSK	1	53	Side A	10mm	349000	1745	16.10	16.50	0.367	0.40
	FR1 Band 66_Ant 8	20M	BPSK	50	28		10mm	349000	1745	15.10	15.50	0.244	0.27
	FR1 Band 66_Ant 8	20M	BPSK	1	53	Side C	10mm	349000	1745	16.10	16.50	0.317	0.35
	FR1 Band 66_Ant 8	20M	BPSK	50	28		10mm	349000	1745	15.10	15.50	0.203	0.22
	FR1 Band 66_Ant 8	20M	BPSK	1	53	Side D	10mm	349000	1745	16.10	16.50	0.459	0.50
	FR1 Band 66_Ant 8	20M	BPSK	50	28		10mm	349000	1745	15.10	15.50	0.384	0.42
	FR1 Band 71_Ant 0	20M	BPSK	1	53	Side A	10mm	134600	673	23.51	24.00	0.899	1.01
	FR1 Band 71_Ant 0	20M	BPSK	1	53		10mm	136100	680.5	23.51	24.00	1.06	1.19
	FR1 Band 71_Ant 0	20M	BPSK	1	53		10mm	137600	688	23.95	24.00	0.880	0.89
	FR1 Band 71_Ant 0	20M	BPSK	50	28	Side B	10mm	136100	680.5	22.52	23.00	0.755	0.84
	FR1 Band 71_Ant 0	20M	BPSK	1	53		10mm	136100	680.5	23.51	24.00	0.638	0.71
	FR1 Band 71_Ant 0	20M	BPSK	50	28		10mm	136100	680.5	22.52	23.00	0.522	0.58
8	FR1 Band 71_Ant 0	20M	BPSK	1	53	Side C	10mm	134600	673	23.51	24.00	0.947	1.06
	FR1 Band 71_Ant 0	20M	BPSK	1	53		10mm	136100	680.5	23.51	24.00	0.988	1.11
	FR1 Band 71_Ant 0	20M	BPSK	1	53		10mm	137600	688	23.95	24.00	0.861	0.87
	FR1 Band 71_Ant 0	20M	BPSK	50	28	Side D	10mm	136100	680.5	22.52	23.00	0.752	0.84
	FR1 Band 71_Ant 0	20M	BPSK	1	53		10mm	136100	680.5	23.51	24.00	0.504	0.56
	FR1 Band 71_Ant 0	20M	BPSK	50	28		10mm	136100	680.5	22.52	23.00	0.426	0.48
	FR1 Band 71_Ant 0	20M	BPSK	1	53	Side F	10mm	134600	680.5	23.51	24.00	0.0631	0.07
	FR1 Band 71_Ant 0	20M	BPSK	50	28		10mm	136100	680.5	22.52	23.00	0.0517	0.06
	FR1 Band 71_Ant 0	20M	BPSK	1	53	Side A	10mm	136100	680.5	20.88	21.00	0.483	0.50
	Repeat	20M	BPSK	1	53	Side A	10mm	136100	680.5	23.51	24.00	1.04	1.16
	FR1 Band 77_Ant 4	20M	BPSK	1	53	Side A	10mm	646720	3700.8	21.36	21.50	0.745	0.77
	FR1 Band 77_Ant 4	20M	BPSK	50	28		10mm	646720	3700.8	20.14	20.50	0.632	0.69
	FR1 Band 77_Ant 4	20M	BPSK	1	53	Side B	10mm	646720	3700.8	25.76	26.00	0.240	0.25
	FR1 Band 77_Ant 4	20M	BPSK	50	28		10mm	646720	3700.8	24.53	25.00	0.156	0.17
	FR1 Band 77_Ant 4	20M	BPSK	1	53	Side C	10mm	646720	3700.8	21.36	21.50	0.613	0.63
	FR1 Band 77_Ant 4	20M	BPSK	50	28		10mm	646720	3700.8	20.14	20.50	0.534	0.58
	FR1 Band 77_Ant 4	20M	BPSK	1	53	Side F	10mm	646720	3700.8	21.36	21.50	0.683	0.71
	FR1 Band 77_Ant 4	20M	BPSK	50	28		10mm	646720	3700.8	20.14	20.50	0.549	0.60
	FR1 Band 77_Ant 4	20M	BPSK	1	53	Side F	20mm	646720	3700.8	25.92	26.00	0.744	0.76
	FR1 Band 77_Ant 4	20M	BPSK	1	53	Side F	10mm	646720	3700.8	18.36	18.50	0.303	0.31
	FR1 Band 77_Ant 6	20M	BPSK	1	53	Side A	10mm	646720	3700.8	18.43	18.50	0.296	0.30
	FR1 Band 77_Ant 6	20M	BPSK	50	28		10mm	646720	3700.8	17.29	17.50	0.159	0.17
	FR1 Band 77_Ant 6	20M	BPSK	1	53	Side C	10mm	646720	3700.8	18.43	18.50	0.102	0.10
	FR1 Band 77_Ant 6	20M	BPSK	50	28		10mm	646720	3700.8	17.29	17.50	0.0853	0.09
	FR1 Band 77_Ant 6	20M	BPSK	1	53	Side D	10mm	646720	3700.8	18.43	18.50	0.329	0.33
	FR1 Band 77_Ant 6	20M	BPSK	50	28		10mm	646720	3700.8	17.29	17.50	0.268	0.28
	FR1 Band 77_Ant 6	20M	BPSK	1	53	Side E	10mm	646720	3700.8	22.74	23.00	0.241	0.26
	FR1 Band 77_Ant 6	20M	BPSK	50	28		10mm	646720	3700.8	21.97	22.00	0.138	0.14

10. Simultaneous Transmission Analysis

The 3G/4G/WiFi data is located in report number SAR.20220809. The data listed in the tables below was extracted from the reports filed with this report.

Sim-Tx configuration

No.	Simultaneous Transmission Configuration	Exposure Positions
		Body
1	UMTS + 2.4 GHz Wifi 0 + 2.4 GHz WiFi 1	Yes
2	UMTS + 5 GHz Wifi 0 + 5 GHz WiFi 1	Yes
3	LTE + 2.4 GHz Wifi 0 + 2.4 GHz WiFi 1	Yes
4	LTE + 5 GHz Wifi 0 + 5 GHz WiFi 1	Yes
5	FR1 + 2.4 GHz Wifi 0 + 2.4 GHz WiFi 1	Yes
6	FR1 + 5 GHz Wifi 0 + 5 GHz WiFi 1	Yes
7	LTE + FR1 + 2.4 GHz WiFi 0 + 2.4 GHz WiFi 1	Yes
8	LTE + FR1 + 5 GHz WiFi 0 + 5 GHz WiFi 1	Yes

General Note:

1. The worst-case WLAN reported SAR for each configuration was used for SAR summation, regardless of whether the WLAN channel has Hotspot capability. Therefore, the following summations represent the absolute worst cases for simultaneous transmission with WLAN.
2. The Scaled SAR summation is calculated based on the same configuration and test position.

Body Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
WCDMA II Ant 0	Side A	1.08	0.27	0.14	0.29	0.20	1.49	1.57
	Side B	0.06		0.11		0.38	0.17	0.44
	Side C	0.46	0.16	0.13	0.22	0.25	0.75	0.93
	Side D	1.10	0.25		0.32		1.35	1.42
	Side E		0.09		0.14		0.09	0.14
	Side F	1.36		0.04		0.15	1.40	1.51
WCDMA IV Ant 0	Side A	0.47	0.27	0.14	0.29	0.20	0.88	0.96
	Side B	0.19		0.11		0.38	0.30	0.57
	Side C	0.66	0.16	0.13	0.22	0.25	0.95	1.13
	Side D	0.52	0.25		0.32		0.77	0.84
	Side E		0.09		0.14		0.09	0.14
	Side F	1.30		0.04		0.15	1.34	1.45
WCDMA V Ant 0	Side A	1.09	0.27	0.14	0.29	0.20	1.50	1.58
	Side B	0.71		0.11		0.38	0.82	1.09
	Side C	1.12	0.16	0.13	0.22	0.25	1.45	1.59
	Side D	0.56	0.25		0.32		0.81	0.88
	Side E		0.09		0.14		0.09	0.14
	Side F	0.10		0.04		0.15	0.14	0.25
LTE Band 7 Ant 0	Side A	0.72	0.27	0.14	0.29	0.20	1.13	1.21
	Side B	0.12		0.11		0.38	0.23	0.50
	Side C	0.34	0.16	0.13	0.22	0.25	0.63	0.81
	Side D	0.23	0.25		0.32		0.48	0.55
	Side E		0.09		0.14		0.09	0.14
	Side F	1.18		0.04		0.15	1.22	1.33
LTE Band 12 Ant 0	Side A	0.84	0.27	0.14	0.29	0.20	1.25	1.33
	Side B	0.54		0.11		0.38	0.65	0.92
	Side C	0.79	0.16	0.13	0.22	0.25	1.08	1.26
	Side D	0.47	0.25		0.32		0.72	0.79
	Side E		0.09		0.14		0.09	0.14
	Side F	0.08		0.04		0.15	0.12	0.23
LTE Band 13 Ant 0	Side A	0.77	0.27	0.14	0.29	0.20	1.18	1.26
	Side B	0.45		0.11		0.38	0.56	0.83
	Side C	0.71	0.16	0.13	0.22	0.25	1.00	1.18
	Side D	0.33	0.25		0.32		0.58	0.65
	Side E		0.09		0.14		0.09	0.14
	Side F	0.11		0.04		0.15	0.15	0.26
LTE Band 25 Ant 0	Side A	1.10	0.27	0.14	0.29	0.20	1.51	1.59
	Side B	0.13		0.11		0.38	0.24	0.51
	Side C	1.08	0.16	0.13	0.22	0.25	1.37	1.55
	Side D	0.63	0.25		0.32		0.88	0.95
	Side E		0.09		0.14		0.09	0.14
	Side F	1.34		0.04		0.15	1.38	1.49
LTE Band 26 Ant 0	Side A	1.09	0.27	0.14	0.29	0.20	1.50	1.58
	Side B	0.60		0.11		0.38	0.71	0.98
	Side C	1.12	0.16	0.13	0.22	0.25	1.41	1.59
	Side D	0.48	0.25		0.32		0.73	0.80
	Side E		0.09		0.14		0.09	0.14
	Side F	0.13		0.04		0.15	0.17	0.28

WWAN Band	Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE Band 30 Ant 0	Side A	0.56	0.27	0.14	0.29	0.20	0.97	1.05
	Side B	0.03		0.11		0.38	0.14	0.41
	Side C	0.63	0.16	0.13	0.22	0.25	0.92	1.10
	Side D	0.72	0.25		0.32		0.97	1.04
	Side E		0.09		0.14		0.09	0.14
	Side F	0.70		0.04		0.15	0.74	0.85
LTE Band 41 Ant 0	Side A	0.50	0.27	0.14	0.29	0.20	0.91	0.99
	Side B	0.30		0.11		0.38	0.41	0.68
	Side C	0.36	0.16	0.13	0.22	0.25	0.65	0.83
	Side D	1.04	0.25		0.32		1.29	1.36
	Side E		0.09		0.14		0.09	0.14
	Side F	0.63		0.04		0.15	0.67	0.78
LTE Band 48 Ant 4	Side A	0.45	0.27	0.14	0.29	0.20	0.86	0.94
	Side B	0.25		0.11		0.38	0.36	0.63
	Side C	0.26	0.16	0.13	0.22	0.25	0.55	0.73
	Side D		0.25		0.32		0.25	0.32
	Side E		0.09		0.14		0.09	0.14
	Side F	0.50		0.04		0.15	0.54	0.65
LTE Band 66 Ant 0	Side A	0.41	0.27	0.14	0.29	0.20	0.82	0.90
	Side B	0.09		0.11		0.38	0.20	0.47
	Side C	0.55	0.16	0.13	0.22	0.25	0.84	1.02
	Side D	0.70	0.25		0.32		0.95	1.02
	Side E		0.09		0.14		0.09	0.14
	Side F	1.27		0.04		0.15	1.31	1.42
LTE Band 71 Ant 0	Side A	0.84	0.27	0.14	0.29	0.20	1.25	1.33
	Side B	0.34		0.11		0.38	0.45	0.72
	Side C	0.76	0.16	0.13	0.22	0.25	1.05	1.23
	Side D	0.46	0.25		0.32		0.71	0.78
	Side E		0.09		0.14		0.09	0.14
	Side F	0.08		0.04		0.15	0.12	0.23
FR1 Band n7 Ant 0	Side A	1.02	0.27	0.14	0.29	0.20	1.43	1.51
	Side B	0.17		0.11		0.38	0.28	0.55
	Side C	0.83	0.16	0.13	0.22	0.25	1.12	1.30
	Side D	0.06	0.25		0.32		0.31	0.38
	Side E		0.09		0.14		0.09	0.14
	Side F	1.21		0.04		0.15	1.25	1.36
FR1 Band n12 Ant 0	Side A	0.72	0.27	0.14	0.29	0.20	1.13	1.21
	Side B	0.31		0.11		0.38	0.42	0.69
	Side C	0.53	0.16	0.13	0.22	0.25	0.82	1.00
	Side D	0.34	0.25		0.32		0.59	0.66
	Side E		0.09		0.14		0.09	0.14
	Side F	0.08		0.04		0.15	0.12	0.23
FR1 Band n25 Ant 0	Side A	1.11	0.27	0.14	0.29	0.20	1.52	1.60
	Side B	0.33		0.11		0.38	0.44	0.71
	Side C	0.78	0.16	0.13	0.22	0.25	1.07	1.25
	Side D	0.02	0.25		0.32		0.27	0.34
	Side E		0.09		0.14		0.09	0.14
	Side F	1.11		0.04		0.15	1.15	1.26
FR1 Band n26 Ant 0	Side A	0.86	0.27	0.14	0.29	0.20	1.27	1.35
	Side B	0.32		0.11		0.38	0.43	0.70
	Side C	0.85	0.16	0.13	0.22	0.25	1.14	1.32
	Side D	0.59	0.25		0.32		0.84	0.91
	Side E		0.09		0.14		0.09	0.14
	Side F	0.09		0.04		0.15	0.13	0.24

WWAN Band	Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
FR1 Band n30 Ant 0	Side A	0.59	0.27	0.14	0.29	0.20	1.00	1.08
	Side B	0.38		0.11		0.38	0.49	0.76
	Side C	0.41	0.16	0.13	0.22	0.25	0.70	0.88
	Side D	0.49	0.25		0.32		0.74	0.81
	Side E		0.09		0.14		0.09	0.14
	Side F	0.48		0.04		0.15	0.52	0.63
FR1 Band n41 Ant 8	Side A	0.77	0.27	0.14	0.29	0.20	1.18	1.26
	Side B			0.11		0.38	0.11	0.38
	Side C	0.31	0.16	0.13	0.22	0.25	0.60	0.78
	Side D	0.11	0.25		0.32		0.36	0.43
	Side E		0.09		0.14		0.09	0.14
	Side F			0.04		0.15	0.04	0.15
FR1 Band n48 Ant 4	Side A	1.09	0.27	0.14	0.29	0.20	1.50	1.58
	Side B	0.31		0.11		0.38	0.42	0.69
	Side C	0.69	0.16	0.13	0.22	0.25	0.98	1.16
	Side D		0.25		0.32		0.25	0.32
	Side E		0.09		0.14		0.09	0.14
	Side F	1.21		0.04		0.15	1.25	1.36
FR1 Band n66 Ant 0	Side A	1.11	0.27	0.14	0.29	0.20	1.52	1.60
	Side B	0.31		0.11		0.38	0.42	0.69
	Side C	1.11	0.16	0.13	0.22	0.25	1.40	1.58
	Side D	0.11	0.25		0.32		0.36	0.43
	Side E		0.09		0.14		0.09	0.14
	Side F	1.19		0.04		0.15	1.23	1.34
FR1 Band n71 Ant 0	Side A	1.19	0.27	0.14	0.29	0.20	1.60	1.68
	Side B	0.71		0.11		0.38	0.82	1.09
	Side C	1.11	0.16	0.13	0.22	0.25	1.40	1.58
	Side D	0.56	0.25		0.32		0.81	0.88
	Side E		0.09		0.14		0.09	0.14
	Side F	0.07		0.04		0.15	0.11	0.22
FR1 Band n77 Ant 4	Side A	0.77	0.27	0.14	0.29	0.20	1.18	1.26
	Side B	0.26		0.11		0.38	0.37	0.64
	Side C	0.63	0.16	0.13	0.22	0.25	0.92	1.10
	Side D		0.25		0.32		0.25	0.32
	Side E		0.09		0.14		0.09	0.14
	Side F	0.71		0.04		0.15	0.75	0.86

The SPLRS is not met for Band n71. Therefore, a scan was conducted with both WiFi0 and WiFi1 transmitting on channel 157 at maximum power for the WiFi volume scan. And, FR1 Band n71 was conducted for the cellular band volume scan. The two scans were then combined to give the resultant SAR simultaneous value. Below is the scan data.

RF Exposure Lab

DUT: M3000B; Type: Hotspot; FID: BI160522F00365

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium: HSL600; Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 41.387$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Communication System: WiFi 802.11a (OFDM, 6 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium: HSL3-6GHz; Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 5.335$ S/m; $\epsilon_r = 34.77$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 10/14/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

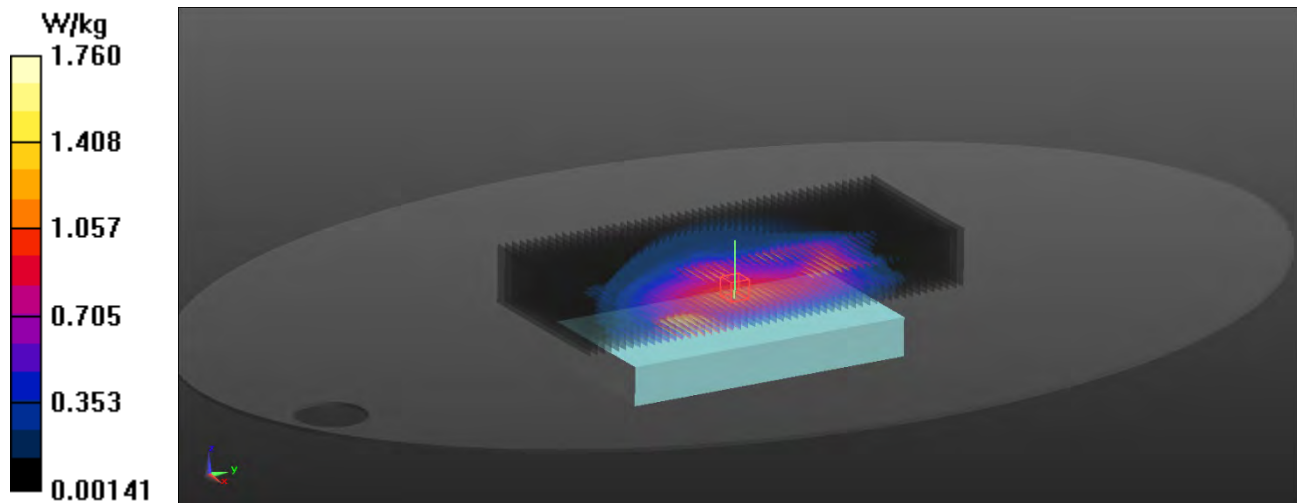
Probe: EX3DV4 - SN3693; ConvF(10.46, 10.46, 10.46); Calibrated: 8/28/2022
Probe: EX3DV4 - SN3693; ConvF(4.7, 4.7, 4.7); Calibrated: 8/28/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 4/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Multi Band Result:

SAR(1 g) = 1.21 W/kg

Maximum value of SAR (interpolated) = 1.76 W/kg



LTE UL CA	Exposure Position	1	2	3	4	5	6	1+2+3+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
		1 ST UL	2 nd UL	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
2A-4A	Side A		0.24	0.27	0.14	0.29	0.20	0.65	0.73
	Side B				0.11		0.38	0.11	0.38
	Side C		0.38	0.16	0.13	0.22	0.25	0.67	0.85
	Side D		0.37	0.25		0.32		0.62	0.69
	Side E			0.09		0.14		0.09	0.14
	Side F	0.44			0.04		0.15	0.48	0.59
2A-5A	Side A		0.97	0.27	0.14	0.29	0.20	1.38	1.46
	Side B		0.45		0.11		0.38	0.56	0.83
	Side C		1.01	0.16	0.13	0.22	0.25	1.30	1.48
	Side D		0.38	0.25		0.32		0.63	0.70
	Side E		0.10	0.09		0.14		0.19	0.24
	Side F	0.44			0.04		0.15	0.48	0.59
2A-12A	Side A	0.33	0.34	0.27	0.14	0.29	0.20	1.08	1.16
	Side B				0.11		0.38	0.11	0.38
	Side C	0.36		0.16	0.13	0.22	0.25	0.65	0.83
	Side D	0.46		0.25		0.32		0.71	0.78
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
2A-13A	Side A	0.33	0.77	0.27	0.14	0.29	0.20	1.51	1.59
	Side B		0.45		0.11		0.38	0.56	0.83
	Side C	0.36	0.71	0.16	0.13	0.22	0.25	1.36	1.54
	Side D	0.46	0.33	0.25		0.32		1.04	1.11
	Side E			0.09		0.14		0.09	0.14
	Side F		0.11		0.04		0.15	0.15	0.26
2A-66A	Side A		0.27	0.27	0.14	0.29	0.20	0.68	0.76
	Side B				0.11		0.38	0.11	0.38
	Side C		0.34	0.16	0.13	0.22	0.25	0.63	0.81
	Side D		0.43	0.25		0.32		0.68	0.75
	Side E			0.09		0.14		0.09	0.14
	Side F	0.44			0.04		0.15	0.48	0.59
4A-5A	Side A		0.97	0.27	0.14	0.29	0.20	1.38	1.46
	Side B		0.45		0.11		0.38	0.56	0.83
	Side C		1.01	0.16	0.13	0.22	0.25	1.30	1.48
	Side D		0.38	0.25		0.32		0.63	0.70
	Side E		0.10	0.09		0.14		0.19	0.24
	Side F	0.38			0.04		0.15	0.42	0.53
4A-12A	Side A	0.24	0.34	0.27	0.14	0.29	0.20	0.99	1.07
	Side B				0.11		0.38	0.11	0.38
	Side C	0.38		0.16	0.13	0.22	0.25	0.67	0.85
	Side D	0.37		0.25		0.32		0.62	0.69
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
4A-13A	Side A		0.77	0.27	0.14	0.29	0.20	1.18	1.26
	Side B		0.45		0.11		0.38	0.56	0.83
	Side C		0.71	0.16	0.13	0.22	0.25	1.00	1.18
	Side D		0.33	0.25		0.32		0.58	0.65
	Side E			0.09		0.14		0.09	0.14
	Side F	0.38	0.11		0.04		0.15	0.53	0.64
5A-66A	Side A	0.97	0.41	0.27	0.14	0.29	0.20	1.79	1.87
	Side B	0.45	0.09		0.11		0.38	0.65	0.92
	Side C	1.01	0.55	0.16	0.13	0.22	0.25	1.85	2.03
	Side D	0.38	0.64	0.25		0.32		1.27	1.34
	Side E	0.10		0.09		0.14		0.19	0.24
	Side F		1.27		0.04		0.15	1.31	1.42

LTE UL CA	Exposure Position	1	2	3	4	5	6	1+2+3+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
		1 st UL	2 nd UL	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
12A-66A	Side A	0.34	0.27	0.27	0.14	0.29	0.20	1.02	1.10
	Side B				0.11		0.38	0.11	0.38
	Side C		0.34	0.16	0.13	0.22	0.25	0.63	0.81
	Side D		0.43	0.25		0.32		0.68	0.75
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
13A-66A	Side A	0.77	0.27	0.27	0.14	0.29	0.20	1.45	1.53
	Side B	0.45			0.11		0.38	0.56	0.83
	Side C	0.71	0.34	0.16	0.13	0.22	0.25	1.34	1.52
	Side D	0.33	0.43	0.25		0.32		1.01	1.08
	Side E			0.09		0.14		0.09	0.14
	Side F	0.11			0.04		0.15	0.15	0.26

The highest combination is greater than the limit using the simple addition. Therefore, SPLSR is used to determine that all the combinations meet the simultaneous requirements.

Distance Ant 0 to Ant 1 139 mm
 Distance Ant 0 to WiFi 0 65 mm
 Distance Ant 0 to WiFi 1 43 mm
 Distance Ant 1 to WiFi 0 35 mm
 Distance Ant 1 to WiFi 1 59 mm
 SAR₁ (Band 5A) 1.01 W/kg
 SAR₂ (Band 66A) 0.55 W/kg
 WiFi Ant 0 0.32 W/kg
 WiFi Ant 1 0.38 W/kg

$$\text{SPLSR} = (\text{SAR}_1 + \text{SAR}_2)^{1.5}/R_i \leq 0.04$$

Ant 0-Ant 1 $(1.01+0.55)^{1.5}/139 = 0.01$
 Ant 0-WiFi 0 $(1.01+0.32)^{1.5}/65 = 0.02$
 Ant 0-WiFi 1 $(1.01+0.38)^{1.5}/43 = 0.04$
 Ant 1-WiFi 0 $(0.55+0.32)^{1.5}/35 = 0.02$
 Ant 1-WiFi 1 $(0.55+0.38)^{1.5}/59 = 0.02$

FR1 UL ENDC-LTE (NSA)	Exposure Position	1	2	3	4	5	6	1+2+3+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
		1 st UL	2 nd UL	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
4A-n2A	Side A		0.44	0.27	0.14	0.29	0.20	0.85	0.93
	Side B				0.11		0.38	0.11	0.38
	Side C		0.28	0.16	0.13	0.22	0.25	0.57	0.75
	Side D		0.56	0.25		0.32		0.81	0.88
	Side E			0.09		0.14		0.09	0.14
	Side F	0.38			0.04		0.15	0.42	0.53
5A-n2A	Side A	0.97	0.44	0.27	0.14	0.29	0.20	1.82	1.90
	Side B	0.45			0.11		0.38	0.56	0.83
	Side C	1.01	0.28	0.16	0.13	0.22	0.25	1.58	1.76
	Side D	0.38	0.56	0.25		0.32		1.19	1.26
	Side E	0.10		0.09		0.14		0.19	0.24
	Side F				0.04		0.15	0.04	0.15
12A-n2A	Side A	0.84	0.44	0.27	0.14	0.29	0.20	1.69	1.77
	Side B	0.43			0.11		0.38	0.54	0.81
	Side C	0.79	0.28	0.16	0.13	0.22	0.25	1.36	1.54
	Side D	0.47	0.56	0.25		0.32		1.28	1.35
	Side E			0.09		0.14		0.09	0.14
	Side F	0.68			0.04		0.15	0.72	0.83
13A-n2A	Side A	0.77	0.44	0.27	0.14	0.29	0.20	1.62	1.70
	Side B	0.45			0.11		0.38	0.56	0.83
	Side C	0.71	0.28	0.16	0.13	0.22	0.25	1.28	1.46
	Side D	0.33	0.56	0.25		0.32		1.14	1.21
	Side E			0.09		0.14		0.09	0.14
	Side F	0.11			0.04		0.15	0.15	0.26
30A-n2A	Side A	0.56	0.44	0.27	0.14	0.29	0.20	1.41	1.49
	Side B	0.03			0.11		0.38	0.14	0.41
	Side C	0.63	0.28	0.16	0.13	0.22	0.25	1.20	1.38
	Side D	0.72	0.56	0.25		0.32		1.53	1.60
	Side E			0.09		0.14		0.09	0.14
	Side F	0.70			0.04		0.15	0.74	0.85
66A-n2A	Side A	0.41	0.44	0.27	0.14	0.29	0.20	1.26	1.34
	Side B	0.09			0.11		0.38	0.20	0.47
	Side C	0.55	0.28	0.16	0.13	0.22	0.25	1.12	1.30
	Side D	0.64	0.56	0.25		0.32		1.45	1.52
	Side E			0.09		0.14		0.09	0.14
	Side F	1.27			0.04		0.15	1.31	1.42
2A-n5A	Side A			0.27	0.14	0.29	0.20	0.41	0.49
	Side B				0.11		0.38	0.11	0.38
	Side C		0.43	0.16	0.13	0.22	0.25	0.72	0.90
	Side D			0.25		0.32		0.25	0.32
	Side E			0.09		0.14		0.09	0.14
	Side F	0.44			0.04		0.15	0.48	0.59
7A-n5A	Side A			0.27	0.14	0.29	0.20	0.41	0.49
	Side B				0.11		0.38	0.11	0.38
	Side C		0.43	0.16	0.13	0.22	0.25	0.72	0.90
	Side D	0.37		0.25		0.32		0.62	0.69
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
30A-n5A	Side A	0.56		0.27	0.14	0.29	0.20	0.97	1.05
	Side B	0.03			0.11		0.38	0.14	0.41
	Side C	0.63	0.43	0.16	0.13	0.22	0.25	1.35	1.53
	Side D	0.72		0.25		0.32		0.97	1.04
	Side E			0.09		0.14		0.09	0.14
	Side F	0.70			0.04		0.15	0.74	0.85

FR1 UL ENDC-LTE (NSA)	Exposure Position	1	2	3	4	5	6	1+2+3+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
		1 ST UL	2 nd UL	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
48A-n5A	Side A	0.45		0.27	0.14	0.29	0.20	0.86	0.94
	Side B	0.25			0.11		0.38	0.36	0.63
	Side C	0.26	0.43	0.16	0.13	0.22	0.25	0.98	1.16
	Side D			0.25		0.32		0.25	0.32
	Side E			0.09		0.14		0.09	0.14
	Side F	0.50			0.04		0.15	0.54	0.65
66A-n5A	Side A	0.27		0.27	0.14	0.29	0.20	0.68	0.76
	Side B				0.11		0.38	0.11	0.38
	Side C	0.32	0.43	0.16	0.13	0.22	0.25	1.04	1.22
	Side D	0.43		0.25		0.32		0.68	0.75
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
66A-n7A	Side A	0.27	1.02	0.27	0.14	0.29	0.20	1.70	1.78
	Side B		0.17		0.11		0.38	0.28	0.55
	Side C	0.32	0.83	0.16	0.13	0.22	0.25	1.44	1.62
	Side D	0.43	0.06	0.25		0.32		0.74	0.81
	Side E			0.09		0.14		0.09	0.14
	Side F		1.02		0.04		0.15	1.06	1.17
2A-n12A	Side A	0.33	0.72	0.27	0.14	0.29	0.20	1.46	1.54
	Side B		0.31		0.11		0.38	0.42	0.69
	Side C	0.36	0.53	0.16	0.13	0.22	0.25	1.18	1.36
	Side D	0.46	0.34	0.25		0.32		1.05	1.12
	Side E			0.09		0.14		0.09	0.14
	Side F		0.08		0.04		0.15	0.12	0.23
48A-n12A	Side A	0.45	0.72	0.27	0.14	0.29	0.20	1.58	1.66
	Side B	0.25	0.31		0.11		0.38	0.67	0.94
	Side C	0.26	0.53	0.16	0.13	0.22	0.25	1.08	1.26
	Side D		0.34	0.25		0.32		0.59	0.66
	Side E			0.09		0.14		0.09	0.14
	Side F	0.50	0.08		0.04		0.15	0.62	0.73
66A-n12A	Side A	0.27	0.72	0.27	0.14	0.29	0.20	1.40	1.48
	Side B		0.31		0.11		0.38	0.42	0.69
	Side C	0.32	0.53	0.16	0.13	0.22	0.25	1.14	1.32
	Side D	0.43	0.34	0.25		0.32		1.02	1.09
	Side E			0.09		0.14		0.09	0.14
	Side F		0.08		0.04		0.15	0.12	0.23
12A-n25A	Side A	0.84	0.43	0.27	0.14	0.29	0.20	1.68	1.76
	Side B	0.43			0.11		0.38	0.54	0.81
	Side C	0.79	0.27	0.16	0.13	0.22	0.25	1.35	1.53
	Side D	0.47	0.15	0.25		0.32		0.87	0.94
	Side E			0.09		0.14		0.09	0.14
	Side F	0.68			0.04		0.15	0.72	0.83
48A-n25A	Side A	0.45	1.11	0.27	0.14	0.29	0.20	1.97	2.05
	Side B	0.25	0.33		0.11		0.38	0.69	0.96
	Side C	0.26	0.78	0.16	0.13	0.22	0.25	1.33	1.51
	Side D		0.02	0.25		0.32		0.27	0.34
	Side E			0.09		0.14		0.09	0.14
	Side F	0.50	1.11		0.04		0.15	1.65	1.76
66A-n25A	Side A	0.41	0.43	0.27	0.14	0.29	0.20	1.25	1.33
	Side B	0.09			0.11		0.38	0.20	0.47
	Side C	0.55	0.27	0.16	0.13	0.22	0.25	1.11	1.29
	Side D	0.64	0.15	0.25		0.32		1.04	1.11
	Side E			0.09		0.14		0.09	0.14
	Side F	1.27			0.04		0.15	1.31	1.42

FR1 UL ENDC-LTE (NSA)	Exposure Position	1	2	3	4	5	6	1+2+3+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
		1 ST UL	2 nd UL	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
2A-n41A	Side A		0.31	0.27	0.14	0.29	0.20	0.72	0.80
	Side B				0.11		0.38	0.11	0.38
	Side C			0.16	0.13	0.22	0.25	0.29	0.47
	Side D			0.25		0.32		0.25	0.32
	Side E			0.09		0.14		0.09	0.14
	Side F	0.44			0.04		0.15	0.48	0.59
66A-n41A	Side A		0.31	0.27	0.14	0.29	0.20	0.72	0.80
	Side B				0.11		0.38	0.11	0.38
	Side C			0.16	0.13	0.22	0.25	0.29	0.47
	Side D			0.25		0.32		0.25	0.32
	Side E			0.09		0.14		0.09	0.14
	Side F	0.42			0.04		0.15	0.46	0.57
2A-n66A	Side A		0.40	0.27	0.14	0.29	0.20	0.81	0.89
	Side B				0.11		0.38	0.11	0.38
	Side C		0.35	0.16	0.13	0.22	0.25	0.64	0.82
	Side D		0.50	0.25		0.32		0.75	0.82
	Side E			0.09		0.14		0.09	0.14
	Side F	0.44			0.04		0.15	0.48	0.59
5A-n66A	Side A	0.97	1.11	0.27	0.14	0.29	0.20	2.49	2.57
	Side B	0.45	0.31		0.11		0.38	0.87	1.14
	Side C	1.01	1.11	0.16	0.13	0.22	0.25	2.41	2.59
	Side D	0.38	0.09	0.25		0.32		0.72	0.79
	Side E			0.09		0.14		0.09	0.14
	Side F	0.10	1.19		0.04		0.15	1.33	1.44
7A-n66A	Side A		0.40	0.27	0.14	0.29	0.20	0.81	0.89
	Side B				0.11		0.38	0.11	0.38
	Side C		0.35	0.16	0.13	0.22	0.25	0.64	0.82
	Side D		0.50	0.25		0.32		0.75	0.82
	Side E			0.09		0.14		0.09	0.14
	Side F	0.39			0.04		0.15	0.43	0.54
12A-n66A	Side A	0.34	0.40	0.27	0.14	0.29	0.20	1.15	1.23
	Side B				0.11		0.38	0.11	0.38
	Side C		0.35	0.16	0.13	0.22	0.25	0.64	0.82
	Side D		0.50	0.25		0.32		0.75	0.82
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
13A-n66A	Side A	0.77	0.40	0.27	0.14	0.29	0.20	1.58	1.66
	Side B	0.45			0.11		0.38	0.56	0.83
	Side C	0.71	0.35	0.16	0.13	0.22	0.25	1.35	1.53
	Side D	0.33	0.50	0.25		0.32		1.08	1.15
	Side E			0.09		0.14		0.09	0.14
	Side F	0.11			0.04		0.15	0.15	0.26
30A-n66A	Side A	0.56	0.40	0.27	0.14	0.29	0.20	1.37	1.45
	Side B	0.03			0.11		0.38	0.14	0.41
	Side C	0.63	0.35	0.16	0.13	0.22	0.25	1.27	1.45
	Side D	0.72	0.50	0.25		0.32		1.47	1.54
	Side E			0.09		0.14		0.09	0.14
	Side F	0.70			0.04		0.15	0.74	0.85
48A-n66A	Side A		0.40	0.27	0.14	0.29	0.20	0.81	0.89
	Side B				0.11		0.38	0.11	0.38
	Side C		0.35	0.16	0.13	0.22	0.25	0.64	0.82
	Side D		0.50	0.25		0.32		0.75	0.82
	Side E			0.09		0.14		0.09	0.14
	Side F	0.22			0.04		0.15	0.26	0.37

FR1 UL ENDC-LTE (NSA)	Exposure Position	1	2	3	4	5	6	1+2+3+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
		1 st UL	2 nd UL	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
2A-n71A	Side A	0.24	0.50	0.27	0.14	0.29	0.20	1.15	1.23
	Side B				0.11		0.38	0.11	0.38
	Side C	0.38		0.16	0.13	0.22	0.25	0.67	0.85
	Side D	0.37		0.25		0.32		0.62	0.69
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
48A-n71A	Side A	0.45	0.50	0.27	0.14	0.29	0.20	1.36	1.44
	Side B	0.25			0.11		0.38	0.36	0.63
	Side C	0.26		0.16	0.13	0.22	0.25	0.55	0.73
	Side D			0.25		0.32		0.25	0.32
	Side E			0.09		0.14		0.09	0.14
	Side F	0.50			0.04		0.15	0.54	0.65
66A-n71A	Side A	0.27	0.50	0.27	0.14	0.29	0.20	1.18	1.26
	Side B				0.11		0.38	0.11	0.38
	Side C	0.32		0.16	0.13	0.22	0.25	0.61	0.79
	Side D	0.43		0.25		0.32		0.68	0.75
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
n41A-n41A Ant 8-Ant 3	Side A	0.77	0.33	0.27	0.14	0.29	0.20	1.51	1.59
	Side B				0.11		0.38	0.11	0.38
	Side C	0.31		0.16	0.13	0.22	0.25	0.60	0.78
	Side D	0.11		0.25		0.32		0.36	0.43
	Side E			0.09		0.14		0.09	0.14
	Side F				0.04		0.15	0.04	0.15
2A-n77A	Side A		0.77	0.27	0.14	0.29	0.20	1.18	1.26
	Side B		0.25		0.11		0.38	0.36	0.63
	Side C		0.63	0.16	0.13	0.22	0.25	0.92	1.10
	Side D			0.25		0.32		0.25	0.32
	Side E			0.09		0.14		0.09	0.14
	Side F	0.44	0.71		0.04		0.15	1.19	1.30
5A-n77A	Side A		0.77	0.27	0.14	0.29	0.20	1.18	1.26
	Side B		0.25		0.11		0.38	0.36	0.63
	Side C	0.97	0.63	0.16	0.13	0.22	0.25	1.89	2.07
	Side D			0.25		0.32		0.25	0.32
	Side E			0.09		0.14		0.09	0.14
	Side F		0.71		0.04		0.15	0.75	0.86
7A-n77A	Side A	0.72	0.77	0.27	0.14	0.29	0.20	1.90	1.98
	Side B	0.12	0.25		0.11		0.38	0.48	0.75
	Side C	0.34	0.63	0.16	0.13	0.22	0.25	1.26	1.44
	Side D	0.23		0.25		0.32		0.48	0.55
	Side E			0.09		0.14		0.09	0.14
	Side F	1.18	0.71		0.04		0.15	1.93	2.04
12A-n77A	Side A	0.84	0.77	0.27	0.14	0.29	0.20	2.02	2.10
	Side B	0.43	0.25		0.11		0.38	0.79	1.06
	Side C	0.79	0.63	0.16	0.13	0.22	0.25	1.71	1.89
	Side D	0.47		0.25		0.32		0.72	0.79
	Side E			0.09		0.14		0.09	0.14
	Side F	0.08	0.71		0.04		0.15	0.83	0.94
13A-n77A	Side A	0.77	0.77	0.27	0.14	0.29	0.20	1.95	2.03
	Side B	0.45	0.25		0.11		0.38	0.81	1.08
	Side C	0.71	0.63	0.16	0.13	0.22	0.25	1.63	1.81
	Side D	0.33		0.25		0.32		0.58	0.65
	Side E			0.09		0.14		0.09	0.14
	Side F	0.11	0.71		0.04		0.15	0.86	0.97

FR1 UL ENDC-LTE (NSA)	Exposure Position	1	2	3	4	5	6	1+2+3+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
		1 st UL	2 nd UL	2.4GHz Wi-Fi 0	2.4GHz Wi-Fi 1	5GHz Wi-Fi 0	5GHz Wi-Fi 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
30A-n77A	Side A	0.56	0.77	0.27	0.14	0.29	0.20	1.74	1.82
	Side B	0.03	0.25		0.11		0.38	0.39	0.66
	Side C	0.63	0.63	0.16	0.13	0.22	0.25	1.55	1.73
	Side D	0.72		0.25		0.32		0.97	1.04
	Side E			0.09		0.14		0.09	0.14
	Side F	0.70	0.71		0.04		0.15	1.45	1.56
66A-n77A	Side A	0.41	0.77	0.27	0.14	0.29	0.20	1.59	1.67
	Side B	0.09	0.25		0.11		0.38	0.45	0.72
	Side C	0.55	0.63	0.16	0.13	0.22	0.25	1.47	1.65
	Side D	0.64		0.25		0.32		0.89	0.96
	Side E			0.09		0.14		0.09	0.14
	Side F	1.27	0.71		0.04		0.15	2.02	2.13
71A-n77A	Side A	0.84	0.77	0.27	0.14	0.29	0.20	2.02	2.10
	Side B	0.34	0.25		0.11		0.38	0.70	0.97
	Side C	0.76	0.63	0.16	0.13	0.22	0.25	1.68	1.86
	Side D	0.46		0.25		0.32		0.71	0.78
	Side E			0.09		0.14		0.09	0.14
	Side F	0.08	0.71		0.04		0.15	0.83	0.94

The highest combination is greater than the limit using the simple addition. Therefore, SPLSR is used to determine that all the combinations meet the simultaneous requirements.

Distance Ant 0 to Ant 1 139 mm
 Distance Ant 0 to WiFi 0 65 mm
 Distance Ant 0 to WiFi 1 43 mm
 Distance Ant 1 to WiFi 0 35 mm
 Distance Ant 1 to WiFi 1 59 mm
 SAR₁ (Band 5A) 1.01 W/kg
 SAR₂ (Band n66A) 1.11 W/kg
 WiFi Ant 0 0.32 W/kg
 WiFi Ant 1 0.38 W/kg

$$\text{SPLSR} = (\text{SAR}_1 + \text{SAR}_2)^{1.5} / R_i \leq 0.04$$

Ant 0-Ant 1 $(1.01+1.11)^{1.5}/139 = 0.02$
 Ant 0-WiFi 0 $(1.11+0.32)^{1.5}/65 = 0.03$
 Ant 0-WiFi 1 $(1.11+0.38)^{1.5}/43 = 0.04$
 Ant 1-WiFi 0 $(1.01+0.32)^{1.5}/35 = 0.04$
 Ant 1-WiFi 1 $(1.01+0.38)^{1.5}/59 = 0.03$

11. Test Equipment List

Table 11.1 Equipment Specifications

Type	Calibration Due Date	Calibration Done Date	Serial Number
Staubli Robot TX60L	N/A	N/A	F07/55M6A1/A/01
Measurement Controller CS8c	N/A	N/A	1012
ELI5 Flat Phantom	N/A	N/A	1251
Device Holder	N/A	N/A	N/A
Data Acquisition Electronics 4	03/24/2023	03/24/2022	1217
Data Acquisition Electronics 4	01/15/2025	01/15/2024	1321
SPEAG E-Field Probe EX3DV4	01/14/2023	01/14/2022	7530
SPEAG E-Field Probe EX3DV4	08/28/2023	08/28/2022	3693
SPEAG E-Field Probe EX3DV4	02/14/2025	02/14/2024	3662
Speag Validation Dipole D750V2	06/04/2023	06/04/2021	1053
Speag Validation Dipole D750V2	05/10/2025	05/10/2024	1016
Speag Validation Dipole D900V2	06/04/2023	06/04/2021	1d128
Speag Validation Dipole D900V2	05/10/2025	05/10/2024	1d044
Speag Validation Dipole D1750V2	06/03/2023	06/03/2021	1061
Speag Validation Dipole D1900V2	06/04/2023	06/04/2021	5d147
Speag Validation Dipole D1900V2	05/06/2025	05/06/2024	5d116
Speag Validation Dipole D2300V2	05/06/2025	05/06/2024	1060
Speag Validation Dipole D2550V2	06/03/2023	06/03/2021	1003
Speag Validation Dipole D3300V2	01/17/2023	01/17/2021	1032
Speag Validation Dipole D3500V2	04/13/2023	04/13/2021	1061
Speag Validation Dipole D3700V2	04/13/2023	04/13/2021	1024
Speag Validation Dipole D3900V2	01/13/2023	01/13/2022	1082
Speag Validation Dipole D4200V2	01/13/2023	01/13/2022	1025
Agilent N1911A Power Meter	03/16/2023	03/16/2022	GB45100254
Agilent N1922A Power Sensor	03/17/2023	03/17/2022	MY45240464
Agilent (HP) 8561E Spectrum Analyzer	03/17/2023	03/17/2022	31720068
Agilent (HP) 83752A Synthesized Sweeper	03/17/2023	03/17/2022	3610A01048
Agilent (HP) 8753C Vector Network Analyzer	03/17/2023	03/17/2022	3135A01724
Agilent (HP) 85047A S-Parameter Test Set	03/16/2023	03/16/2022	2904A00595
Agilent N1911A Power Meter	03/08/2025	03/08/2024	GB45100254
Agilent N1922A Power Sensor	03/08/2025	03/08/2024	MY45240464
Agilent (HP) 8596E Spectrum Analyzer	03/08/2025	03/08/2024	3826A01468
Agilent (HP) 83752A Synthesized Sweeper	03/08/2025	03/08/2024	3610A01048
Agilent (HP) 8753C Vector Network Analyzer	03/08/2025	03/08/2024	3135A01724
Agilent (HP) 85047A S-Parameter Test Set	03/07/2025	03/07/2024	2904A00595
Copper Mountain R140 Vector Reflectometer	03/08/2025	03/08/2024	21390004
Anritsu MT8821C	N/A	N/A	6201381721
Apriel Dielectric Probe Assembly	N/A	N/A	0011
Head Equivalent Matter (600 MHz)	N/A	N/A	N/A
Head Equivalent Matter (750 MHz)	N/A	N/A	N/A
Head Equivalent Matter (900 MHz)	N/A	N/A	N/A
Head Equivalent Matter (1750 MHz)	N/A	N/A	N/A
Head Equivalent Matter (1900 MHz)	N/A	N/A	N/A
Head Equivalent Matter (2300 MHz)	N/A	N/A	N/A
Head Equivalent Matter (2450 MHz)	N/A	N/A	N/A
Head Equivalent Matter (2550 MHz)	N/A	N/A	N/A
Head Equivalent Matter (3-6 GHz)	N/A	N/A	N/A

12. Conclusion

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the FCC. These measurements are taken to simulate the RF effects exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The tested device complies with the requirements in respect to all parameters subject to the test. The test results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body is a very complex phenomena that depends on the mass, shape, and size of the body; the orientation of the body with respect to the field vectors; and, the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because innumerable factors may interact to determine the specific biological outcome of an exposure to electromagnetic fields, any protection guide shall consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

13. References

- [1] Federal Communications Commission, ET Docket 93-62, Guidelines for Evaluating the Environmental Effects of Radio Frequency Radiation, August 1996
- [2] ANSI/IEEE C95.1 – 1992, American National Standard Safety Levels with respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300kHz to 100GHz, New York: IEEE, 1992.
- [3] ANSI/IEEE C95.3 – 1992, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields – RF and Microwave, New York: IEEE, 1992.
- [4] International Electrotechnical Commission, IEC 62209-2 (Edition 1.0), Human Exposure to radio frequency fields from hand-held and body mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz), March 2010.
- [5] IEEE Standard 1528 – 2013, IEEE Recommended Practice for Determining the Peak-Spatial Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communication Devices: Measurement Techniques, June 2013.
- [6] Industry Canada, RSS – 102 Issue 5, Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands), March 2015.
- [7] Health Canada, Safety Code 6, Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3kHz to 300 GHz, 2009.

Appendix A – System Validation Plots and Data

Test Result for UIM Dielectric Parameter

Thu 04/Aug/2022

Freq Frequency(GHz)

FCC_eH Limits for Head Epsilon

FCC_sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eH	FCC_sH	Test_e	Test_s
0.5800	42.82	0.88	41.46	0.88
0.5900	42.77	0.88	41.40	0.88
0.6000	42.72	0.88	41.35	0.88
0.6100	42.67	0.88	41.30	0.89
0.6200	42.62	0.88	41.25	0.89
0.6300	42.56	0.88	41.18	0.89
0.6400	42.51	0.88	41.12	0.89
0.6500	42.46	0.88	41.06	0.89
0.6600	42.41	0.88	41.00	0.90
0.6700	42.36	0.89	40.94	0.90
0.6730	42.345	0.89	40.922	0.90*
0.6800	42.31	0.89	40.88	0.90
0.6805	42.307	0.89	40.877	0.901*
0.6880	42.262	0.89	40.832	0.908*
0.6900	42.25	0.89	40.82	0.91
0.7000	42.20	0.89	40.76	0.91
0.7000	42.20	0.89	40.66	0.91
0.7100	42.15	0.89	40.59	0.91
0.7200	42.10	0.89	40.54	0.91
0.7300	42.05	0.89	40.47	0.92
0.7400	41.99	0.89	40.41	0.92
0.7500	41.94	0.89	40.36	0.92
0.7600	41.89	0.89	40.30	0.93

* value intepolated

Test Result for UIM Dielectric Parameter

Fri 05/Aug/2022

Freq Frequency(GHz)

eH Limits for Head Epsilon

sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	eH	sH	Test_e	Test_s
0.8000	41.68	0.90	40.79	0.91
0.8100	41.63	0.90	40.74	0.92
0.8200	41.58	0.90	40.68	0.93
0.8240	41.56	0.90	40.70	0.93*
0.8300	41.53	0.90	40.73	0.93
0.8315	41.526	0.902	40.726	0.932*
0.8390	41.503	0.909	40.703	0.939*
0.8400	41.50	0.91	40.70	0.94
0.8500	41.50	0.92	40.68	0.95
0.8600	41.50	0.93	40.66	0.96
0.8700	41.50	0.94	40.64	0.97
0.8800	41.50	0.95	40.63	0.98
0.8900	41.50	0.96	40.62	0.99
0.9000	41.50	0.97	40.61	1.00
0.9100	41.50	0.98	40.60	1.01
0.9200	41.49	0.98	40.59	1.01

* value interpolated

Test Result for UIM Dielectric Parameter

Thu 11/Aug/2022

Freq Frequency(GHz)

eH Limits for Head Epsilon

sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	eH	sH	Test_e	Test_s
1.7000	40.16	1.34	39.54	1.37
1.7100	40.14	1.35	39.52	1.38
1.7200	40.13	1.35	39.50	1.39
1.7300	40.11	1.36	39.48	1.39
1.7400	40.09	1.37	39.46	1.40
1.7450	40.085	1.37	39.45	1.405*
1.7500	40.08	1.37	39.44	1.41
1.7600	40.06	1.38	39.42	1.42
1.7700	40.05	1.38	39.40	1.43
1.7800	40.03	1.39	39.38	1.43
1.7900	40.02	1.39	39.36	1.44

* value interpolated

Test Result for UIM Dielectric Parameter

Fri 12/Aug/2022

Freq Frequency(GHz)

eH Limits for Head Epsilon

sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	eH	sH	Test_e	Test_s
1.8500	40.00	1.40	39.19	1.44
1.8600	40.00	1.40	39.17	1.45
1.8700	40.00	1.40	39.15	1.45
1.8800	40.00	1.40	39.13	1.46
1.8825	40.00	1.40	39.125	1.46*
1.8900	40.00	1.40	39.11	1.46
1.9000	40.00	1.40	39.09	1.46
1.9050	40.00	1.40	39.08	1.465*
1.9100	40.00	1.40	39.07	1.47
1.9200	40.00	1.40	39.06	1.48

* value interpolated

Test Result for UIM Dielectric Parameter

Mon 15/Aug/2022

Freq Frequency(GHz)

FCC_eH Limits for Head Epsilon

FCC_sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eH	FCC_sH	Test_e	Test_s
2.4900	39.15	1.84	38.50	1.86
2.5000	39.14	1.85	38.48	1.87
2.5060	39.128	1.862	38.462	1.876*
2.5100	39.12	1.87	38.45	1.88
2.5200	39.11	1.88	38.43	1.90
2.5300	39.10	1.89	38.41	1.91
2.5350	39.095	1.895	38.395	1.915*
2.5400	39.09	1.90	38.38	1.92
2.5495	39.071	1.91	38.361	1.939*
2.5500	39.07	1.91	38.36	1.94
2.5600	39.06	1.92	38.34	1.95
2.5700	39.05	1.93	38.31	1.96
2.5800	39.03	1.94	38.29	1.98
2.5900	39.02	1.95	38.26	1.99
2.5930	39.017	1.953	38.263	1.99*
2.6000	39.01	1.96	38.27	1.99
2.6100	39.00	1.97	38.25	2.00
2.6200	38.98	1.99	38.24	2.01
2.6300	38.97	2.00	38.22	2.02
2.6365	38.964	2.007	38.207	2.027*
2.6400	38.96	2.01	38.20	2.03
2.6500	38.95	2.02	38.18	2.04
2.6600	38.93	2.03	38.17	2.05
2.6700	38.92	2.04	38.15	2.06
2.6800	38.91	2.05	38.13	2.07
2.6900	38.89	2.06	38.11	2.08
2.7000	38.88	2.07	38.10	2.09

* value interpolated

Test Result for UIM Dielectric Parameter

Mon 08/Aug/2022

Freq Frequency(GHz)

FCC_eH Limits for Head Epsilon

FCC_sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eH	FCC_sH	Test_e	Test_s
3.3000	38.16	2.70	37.48	2.71
3.3100	38.15	2.71	37.47	2.72*
3.3200	38.14	2.72	37.46	2.73
3.3400	38.12	2.74	37.44	2.75
3.3600	38.09	2.76	37.41	2.77
3.3800	38.07	2.78	37.39	2.79
3.4000	38.05	2.80	37.37	2.81
3.4077	38.038	2.808	37.358	2.818*
3.4200	38.02	2.82	37.34	2.83
3.4400	38.00	2.85	37.32	2.86
3.4600	37.98	2.87	37.30	2.88
3.4800	37.95	2.89	37.27	2.90
3.5000	37.93	2.91	37.25	2.92
3.5054	37.925	2.915	37.245	2.925*
3.5200	37.91	2.93	37.23	2.94
3.5400	37.88	2.95	37.20	2.96
3.5600	37.86	2.97	37.18	2.98
3.5800	37.84	2.99	37.16	3.00
3.6000	37.81	3.02	37.13	3.03
3.6031	37.807	3.023	37.127	3.033*
3.6033	37.807	3.023	37.127	3.033*
3.6200	37.79	3.04	37.11	3.05
3.6400	37.77	3.06	37.09	3.07
3.6467	37.763	3.067	37.083	3.077*
3.6600	37.75	3.08	37.07	3.09
3.6800	37.72	3.10	37.04	3.11
3.6900	37.71	3.11	37.03	3.12*
3.7000	37.70	3.12	37.02	3.13
3.7008	37.699	3.121	37.019	3.131*
3.7200	37.68	3.14	37.00	3.15
3.7400	37.65	3.17	36.97	3.18
3.7600	37.63	3.19	36.95	3.20
3.7800	37.61	3.21	36.93	3.22
3.7985	37.582	3.229	36.902	3.239*
3.8000	37.58	3.23	36.90	3.24
3.8200	37.56	3.25	36.88	3.26
3.8400	37.54	3.27	36.86	3.28
3.8600	37.51	3.29	36.83	3.30
3.8800	37.49	3.31	36.81	3.32
3.8962	37.474	3.334	36.794	3.344*
3.9000	37.47	3.34	36.79	3.35
3.9200	37.44	3.36	36.76	3.37
3.9400	37.42	3.38	36.74	3.39
3.9600	37.40	3.40	36.72	3.41
3.9800	37.37	3.42	36.69	3.43
3.9939	37.356	3.434	36.676	3.444*
4.0000	37.35	3.44	36.67	3.45
4.0200	37.33	3.46	36.65	3.47
4.0400	37.30	3.48	36.62	3.49
4.0600	37.28	3.51	36.60	3.52
4.0800	37.26	3.53	36.58	3.54
4.0916	37.243	3.542	36.563	3.552*
4.1000	37.23	3.55	36.55	3.56
4.1200	37.21	3.57	36.53	3.58
4.1400	37.19	3.59	36.51	3.60
4.1600	37.16	3.61	36.48	3.62
4.1800	37.14	3.63	36.46	3.64
4.1900	37.13	3.64	36.45	3.65
4.2000	37.12	3.65	36.44	3.66
4.2200	37.09	3.68	36.52	3.71
4.2400	37.07	3.70	36.50	3.73

* value interpolated

Test Result for UIM Dielectric Parameter

Mon 19/Sep/2022

Freq Frequency(GHz)

FCC_eH Limits for Head Epsilon

FCC_sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eH	FCC_sH	Test_e	Test_s
2.4900	39.15	1.84	38.89	1.89
2.5000	39.14	1.85	38.87	1.90
2.5060	39.128	1.862	38.852	1.906*
2.5100	39.12	1.87	38.84	1.91
2.5200	39.11	1.88	38.82	1.93
2.5300	39.10	1.89	38.80	1.94
2.5400	39.09	1.90	38.77	1.95
2.5495	39.071	1.91	38.751	1.969*
2.5500	39.07	1.91	38.75	1.97
2.5600	39.06	1.92	38.73	1.98
2.5700	39.05	1.93	38.70	1.99
2.5800	39.03	1.94	38.68	2.01
2.5900	39.02	1.95	38.65	2.02
2.5930	39.017	1.953	38.653	2.02*
2.6000	39.01	1.96	38.66	2.02
2.6100	39.00	1.97	38.64	2.03
2.6200	38.98	1.99	38.63	2.04
2.6300	38.97	2.00	38.61	2.05
2.6365	38.964	2.007	38.597	2.057*
2.6400	38.96	2.01	38.59	2.06
2.6500	38.95	2.02	38.57	2.07
2.6600	38.93	2.03	38.56	2.08
2.6700	38.92	2.04	38.54	2.09
2.6800	38.91	2.05	38.52	2.10
2.6900	38.89	2.06	38.50	2.11
2.7000	38.88	2.07	38.49	2.12

* value interpolated

Test Result for UIM Dielectric Parameter

Fri 14/Oct/2022

Freq Frequency(GHz)

FCC_eH Limits for Head Epsilon

FCC_sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eH	FCC_sH	Test_e	Test_s
0.6800	42.31	0.89	41.39	0.88
0.6805	42.307	0.89	41.387	0.88
0.6900	42.25	0.89	41.33	0.88
0.7000	42.20	0.89	41.27	0.89
0.7040	42.18	0.89	41.242	0.894*
0.7075	42.163	0.89	41.218	0.898*
0.7100	42.15	0.89	41.20	0.90
0.7110	42.145	0.89	41.195	0.901*
0.7200	42.10	0.89	41.15	0.91
0.7300	42.05	0.89	41.08	0.92
0.7400	41.99	0.89	41.02	0.92
0.7500	41.94	0.89	40.97	0.93
0.7600	41.89	0.89	40.91	0.94
0.7700	41.84	0.89	40.85	0.95
0.7800	41.79	0.90	40.79	0.95
0.7900	41.73	0.90	40.73	0.96
0.8000	41.68	0.90	40.69	0.96

* value interpolated

Test Result for UIM Dielectric Parameter

Tue 09/Jul/2024

Freq Frequency(GHz)

FCC_eH Limits for Head Epsilon

FCC_sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eH	FCC_sH	Test_e	Test_s
0.6800	42.31	0.89	41.39	0.88
0.6900	42.25	0.89	41.33	0.88
0.7000	42.20	0.89	41.27	0.89
0.7040	42.18	0.89	41.242	0.894*
0.7100	42.15	0.89	41.20	0.90
0.7075	42.163	0.89	41.213	0.898*
0.7110	42.145	0.89	41.195	0.901*
0.7200	42.10	0.89	41.15	0.91
0.7300	42.05	0.89	41.08	0.92
0.7330	42.032	0.89	41.062	0.92*
0.7380	42.002	0.89	41.032	0.92*
0.7400	41.99	0.89	41.02	0.92
0.7500	41.94	0.89	40.97	0.93

* value interpolated

Test Result for UIM Dielectric Parameter

Wed 10/Jul/2024

Freq Frequency(GHz)

eH Limits for Head Epsilon

sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	eH	sH	Test_e	Test_s
0.8000	41.68	0.90	40.79	0.91
0.8100	41.63	0.90	40.74	0.92
0.8200	41.58	0.90	40.68	0.93
0.8290	41.535	0.90	40.725	0.93*
0.8300	41.53	0.90	40.73	0.93
0.8365	41.511	0.907	40.711	0.937*
0.8400	41.50	0.91	40.70	0.94
0.8440	41.50	0.914	40.692	0.944*
0.8500	41.50	0.92	40.68	0.95
0.8600	41.50	0.93	40.66	0.96
0.8700	41.50	0.94	40.64	0.97
0.8800	41.50	0.95	40.63	0.98
0.8900	41.50	0.96	40.62	0.99
0.9000	41.50	0.97	40.61	1.00
0.9100	41.50	0.98	40.60	1.01
0.9200	41.49	0.98	40.59	1.01

* value interpolated

Test Result for UIM Dielectric Parameter

Wed 10/Jul/2024

Freq Frequency(GHz)

eH Limits for Head Epsilon

sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	eH	sH	Test_e	Test_s
1.8500	40.00	1.40	39.97	1.37
1.8600	40.00	1.40	39.95	1.38
1.8700	40.00	1.40	39.93	1.38
1.8800	40.00	1.40	39.91	1.39
1.8900	40.00	1.40	39.89	1.39
1.9000	40.00	1.40	39.87	1.39
1.9100	40.00	1.40	39.85	1.40
1.9200	40.00	1.40	39.84	1.41

* value interpolated

Test Result for UIM Dielectric Parameter

Mon 08/Jul/2024

Freq Frequency(GHz)

FCC_eH Limits for Head Epsilon

FCC_sH Limits for Head Sigma

Test_e Epsilon of UIM

Test_s Sigma of UIM

Freq	FCC_eH	FCC_sH	Test_e	Test_s
2.2900	39.48	1.66	38.20	1.68
2.3000	39.47	1.67	38.18	1.69
2.3100	39.45	1.68	38.16	1.70
2.3200	39.43	1.68	38.14	1.71
2.3300	39.41	1.69	38.12	1.72
2.3400	39.40	1.70	38.10	1.73
2.3500	39.38	1.71	38.08	1.74
2.3600	39.36	1.72	38.06	1.75
2.3700	39.34	1.73	38.05	1.76
2.3800	39.32	1.74	38.03	1.77
2.3900	39.31	1.75	38.01	1.78
2.4000	39.29	1.76	37.99	1.79
2.4100	39.27	1.76	37.98	1.80

* value interpolated

RF Exposure Lab

Plot 1

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN 1053

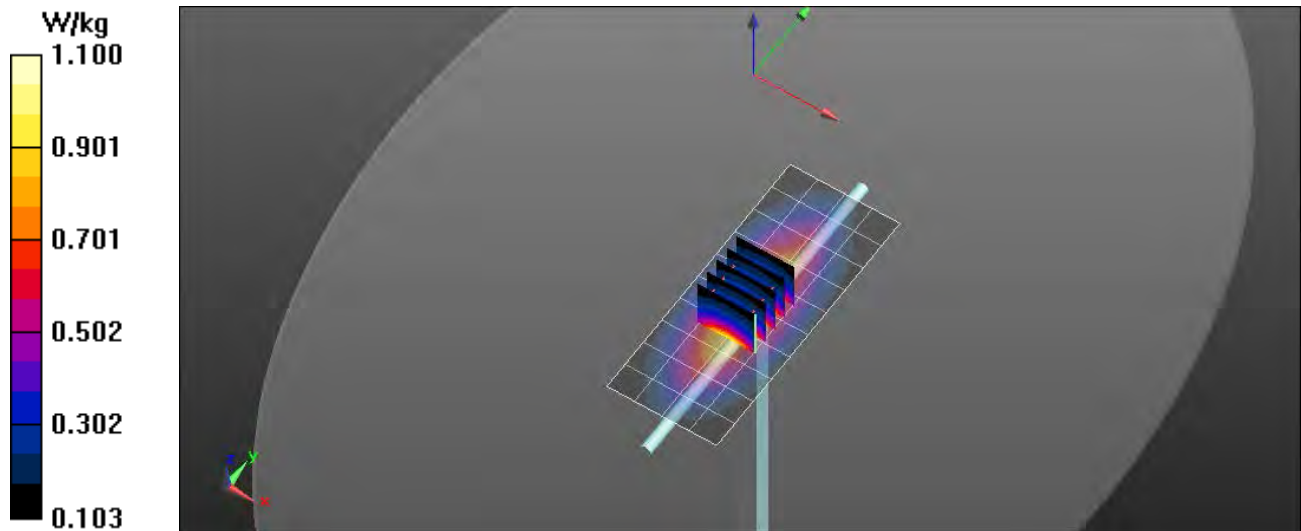
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium: HSL600; Medium parameters used (interpolated): $f = 750$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.36$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/4/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 – SN7530; ConvF(10.44, 10.44, 10.44); Calibrated: 1/14/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

750 MHz Head/Verification/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (measured) = 1.08 W/kg

750 MHz Head/Verification /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.227 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.30 W/kg
 $P_{in} = 100$ mW
SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.549 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



RF Exposure Lab

Plot 2

DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:1d128

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium: HSL900; Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 40.61$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

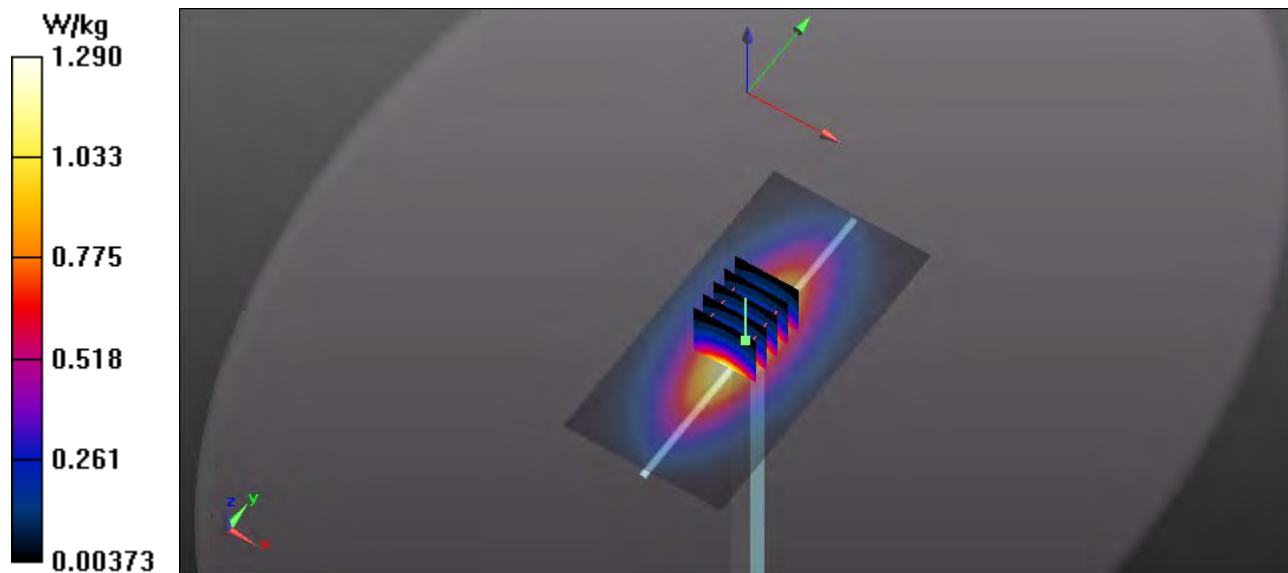
Test Date: Date: 8/5/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 - SN7530; ConvF(9.98, 9.98, 9.98); Calibrated: 1/14/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

900 MHz Head/Verification/Area Scan (41x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.29 W/kg

900 MHz Head/Verification/Zoom Scan (5x5x8)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 52.612 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.47 W/kg
 $P_{in} = 100 \text{ mW}$

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.722 W/kg
Maximum value of SAR (measured) = 1.29 W/kg



RF Exposure Lab

Plot 3

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1061

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium: HSL1750; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 39.44$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

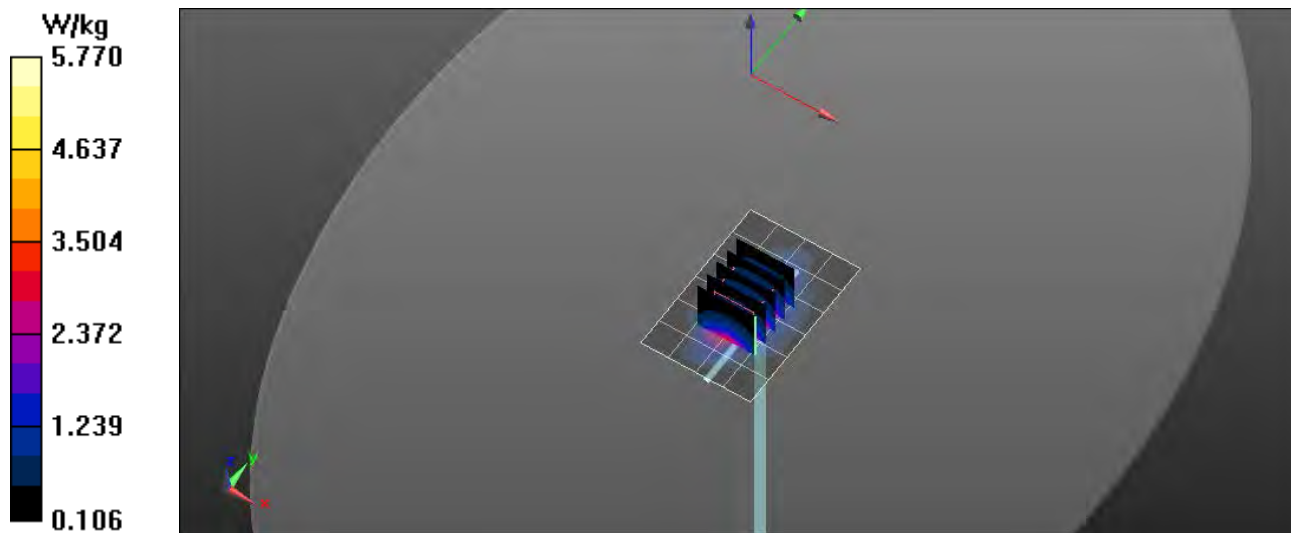
Test Date: Date: 8/11/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 - SN7530; ConvF(8.42, 8.42, 8.42); Calibrated: 1/14/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

1750 MHz/Verification/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.46 W/kg

1750 MHz/Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.568 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 6.92 W/kg
 $P_{in} = 100$ mW

SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.96 W/kg
Maximum value of SAR (measured) = 5.47 W/kg



RF Exposure Lab

Plot 4

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN: 5d147

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: HSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.46$ S/m; $\epsilon_r = 39.09$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

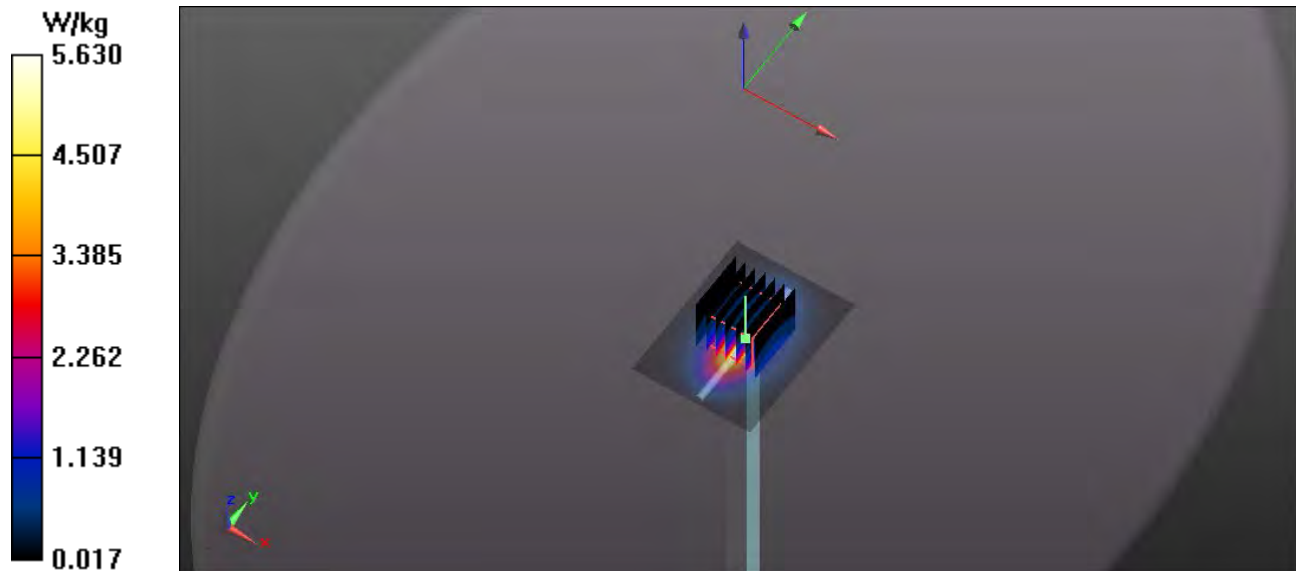
Test Date: Date: 8/12/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 - SN7530; ConvF(8.06, 8.06, 8.06); Calibrated: 1/14/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

1900 MHz/Verification/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 5.63 W/kg

1900 MHz/Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.612 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.68 W/kg
 $P_{in} = 100$ mW

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.12 W/kg
Maximum value of SAR (measured) = 5.63 W/kg



RF Exposure Lab

Plot 5

DUT: Dipole 2550 MHz D2550V2; Type: D2550V2; Serial: D2550V2 - SN:1003

Communication System: CW; Frequency: 2550 MHz; Duty Cycle: 1:1

Medium: HSL2550; Medium parameters used: $f = 2550$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 38.36$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Test Date: Date: 8/15/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(7.42, 7.42, 7.42); Calibrated: 1/14/2022;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1217; Calibrated: 3/24/2022

Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251

Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

2550 MHz/Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.95 W/kg

2550 MHz/Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

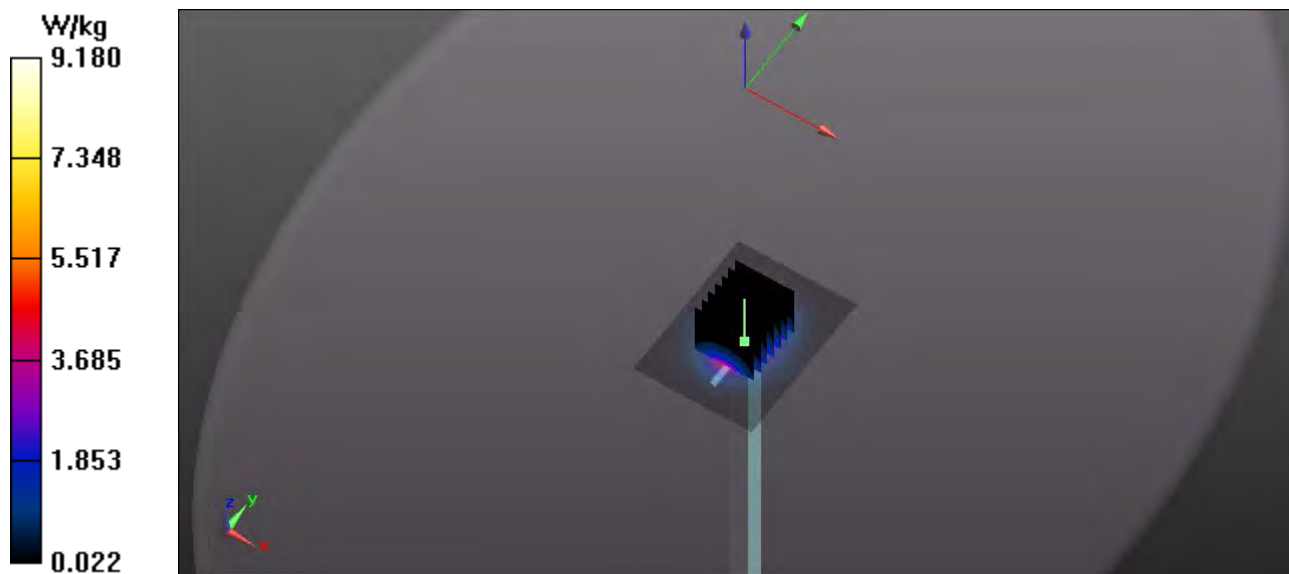
Reference Value = 53.249 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 11.43 W/kg

Pin=100 mW

SAR(1 g) = 5.67 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 9.17 W/kg



RF Exposure Lab

Plot 6

DUT: Dipole D3300V2; Type: D3300V2; Serial: D3300V2 - SN: 1032

Communication System: CW; Frequency: 3300 MHz; Duty Cycle: 1:1
Medium: HSL 3-6 GHz; Medium parameters used: $f = 3300$ MHz; $\sigma = 2.71$ S/m; $\epsilon_r = 37.48$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

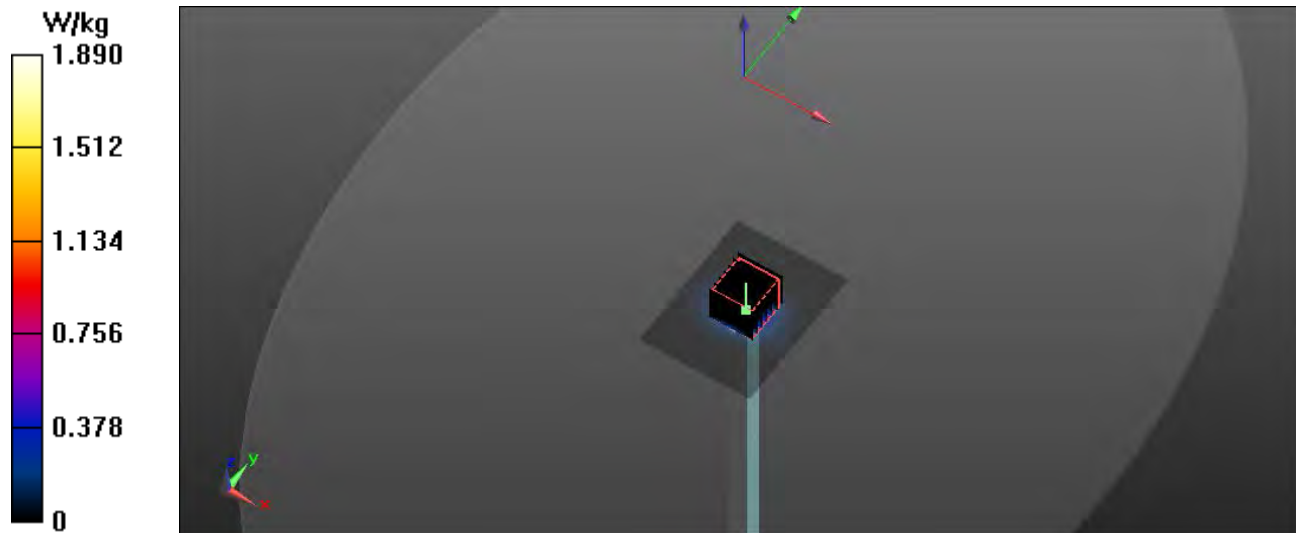
Test Date: Date: 8/8/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 – SN7530; ConvF(7.12, 7.12, 7.12); Calibrated: 1/14/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

3300 MHz Head/Verification/Area Scan (61x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.9 W/kg

3300 MHz Head/Verification/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 12.722 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.22 W/kg
Pin=10 mW

SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.255 W/kg
Maximum value of SAR (measured) = 1.89 W/kg



RF Exposure Lab

Plot 7

DUT: Dipole D3500V2; Type: D3500V2; Serial: D3500V2 - SN: 1061

Communication System: CW; Frequency: 3500 MHz; Duty Cycle: 1:1
Medium: HSL 3-6 GHz; Medium parameters used: $f = 3500$ MHz; $\sigma = 2.92$ S/m; $\epsilon_r = 37.25$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

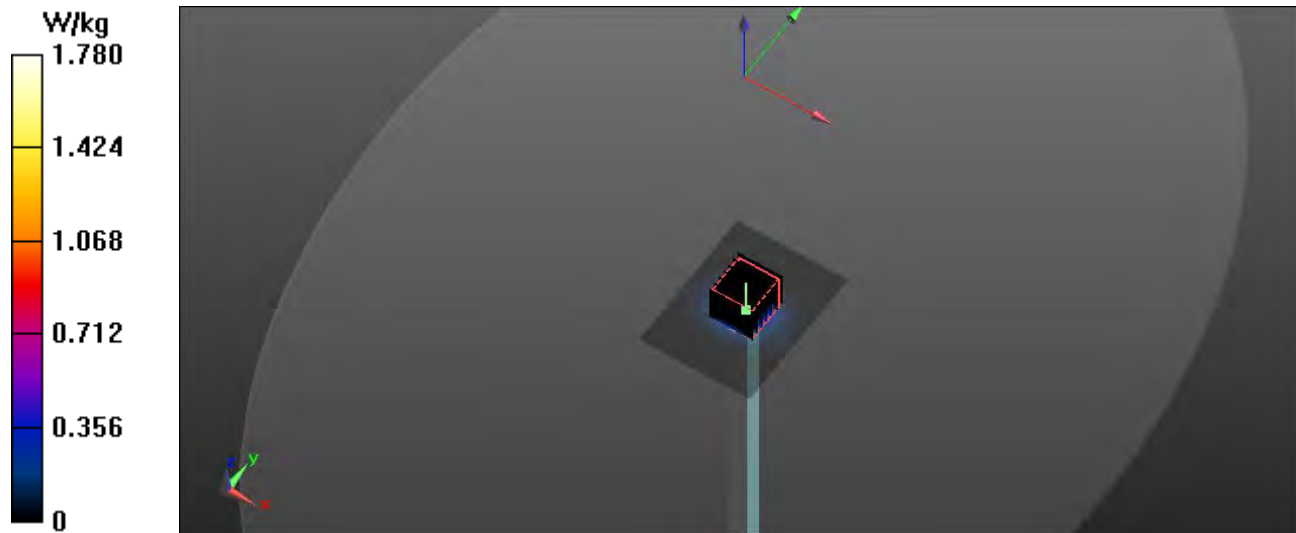
Test Date: Date: 8/8/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 - SN7530; ConvF(7.1, 7.1, 7.1); Calibrated: 4/12/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

3500 MHz Head/Verification/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.76 W/kg

3500 MHz Head/Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm
Reference Value = 12.321 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.78 W/kg
 $P_{in} = 10$ mW

SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.252 W/kg
Maximum value of SAR (measured) = 1.75 W/kg



RF Exposure Lab

Plot 8

DUT: Dipole D3700V2; Type: D3700V2; Serial: D3700V2 - SN:1024

Communication System: CW; Frequency: 3700 MHz; Duty Cycle: 1:1
Medium: HSL 3-6 GHz; Medium parameters used: $f = 3700$ MHz; $\sigma = 3.13$ S/m; $\epsilon_r = 37.02$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

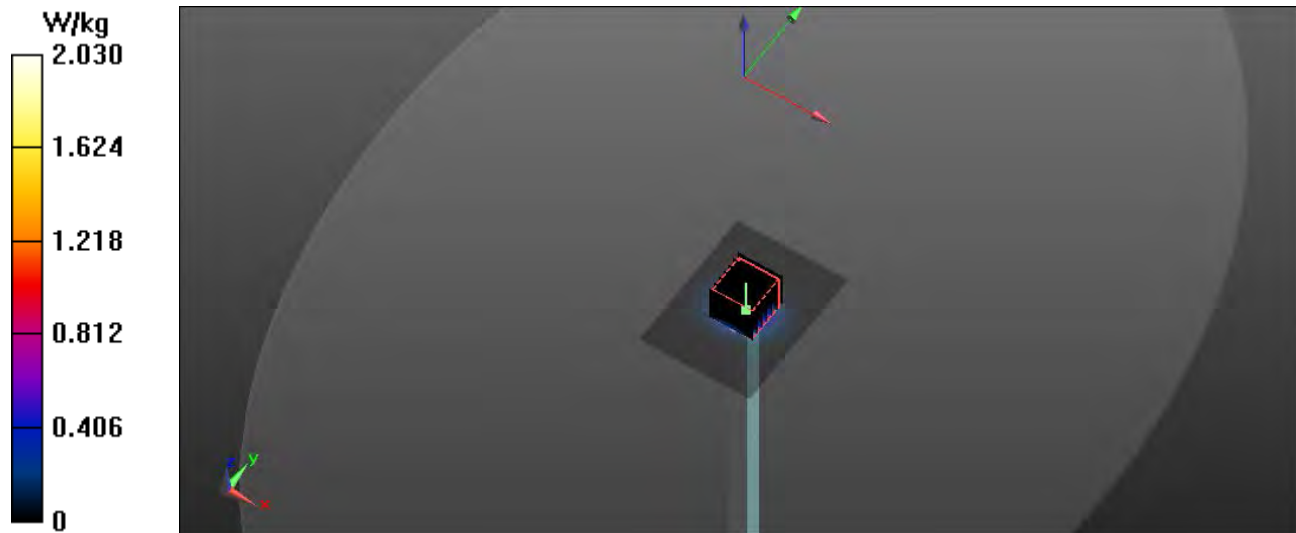
Test Date: Date: 8/8/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 – SN7530; ConvF(6.9, 6.9, 6.9); Calibrated: 1/14/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

3700 MHz Head/Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.01 W/kg

3700 MHz Head/Verification/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 13.367 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.35 W/kg
 $P_{in} = 10$ mW

SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.249 W/kg
Maximum value of SAR (measured) = 2.02 W/kg



RF Exposure Lab

Plot 9

DUT: Dipole D3900V2; Type: D3900V2; Serial: D3900V2 - SN:1082

Communication System: CW; Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: HSL 3-6 GHz; Medium parameters used: $f = 3900$ MHz; $\sigma = 3.35$ S/m; $\epsilon_r = 36.79$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Test Date: Date: 8/8/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 – SN7530; ConvF(4.9, 4.9, 4.9); Calibrated: 1/14/2022;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1217; Calibrated: 3/24/2022

Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251

Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

3900 MHz Head/Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.55 W/kg

3900 MHz Head/Verification/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

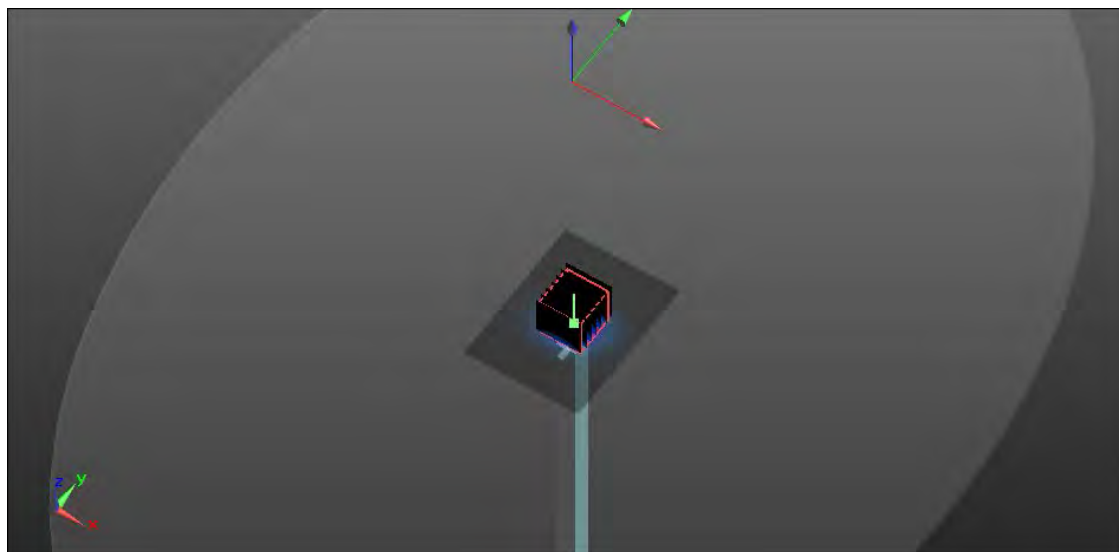
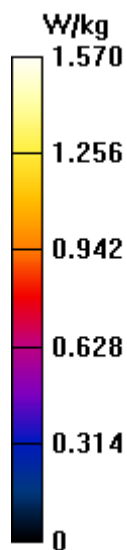
Reference Value = 12.568 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.09 W/kg

Pin=10 mW

SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 1.57 W/kg



RF Exposure Lab

Plot 10

DUT: Dipole D4200V2; Type: D4200V2; Serial: D4200V2 - SN:1025

Communication System: CW; Frequency: 4200 MHz; Duty Cycle: 1:1
Medium: HSL 3-6 GHz; Medium parameters used: $f = 4200$ MHz; $\sigma = 3.66$ S/m; $\epsilon_r = 36.44$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/8/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 – SN7530; ConvF(6.38, 6.38, 6.38); Calibrated: 1/14/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

4200 MHz Head/Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.68 W/kg

4200 MHz Head/Verification/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.964 V/m; Power Drift = -0.02 dB

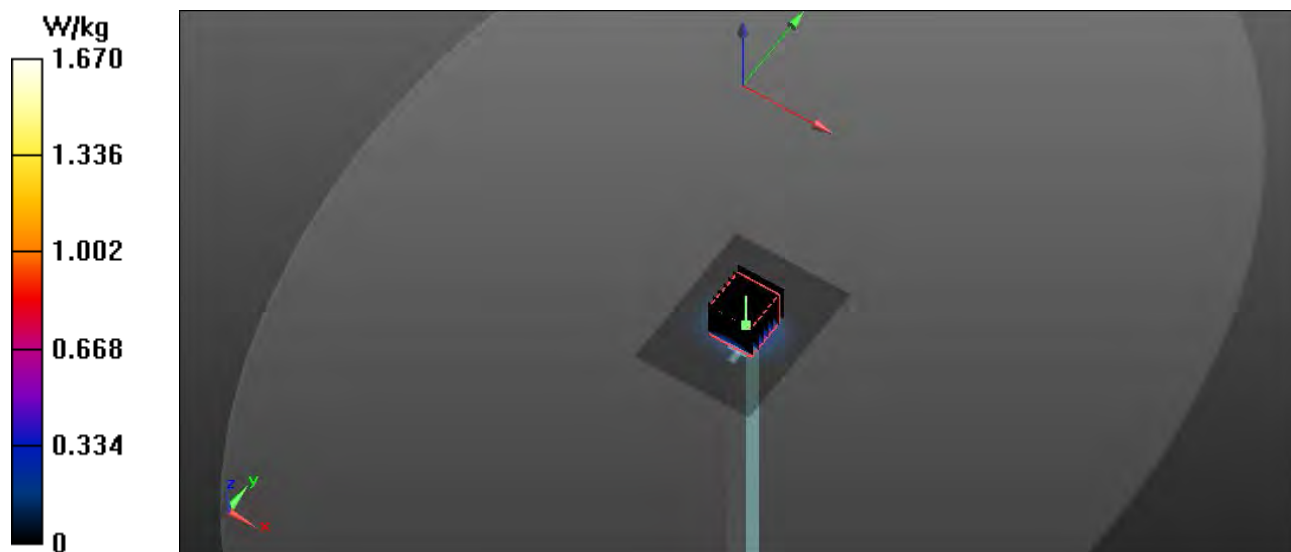
Peak SAR (extrapolated) = 3.37 W/kg

Pin=10 mW

SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.225 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.67 W/kg



RF Exposure Lab

Plot 11

DUT: Dipole 2550 MHz D2550V2; Type: D2550V2; Serial: D2550V2 - SN:1003

Communication System: CW; Frequency: 2550 MHz; Duty Cycle: 1:1
Medium: HSL2550; Medium parameters used: $f = 2550$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 38.75$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

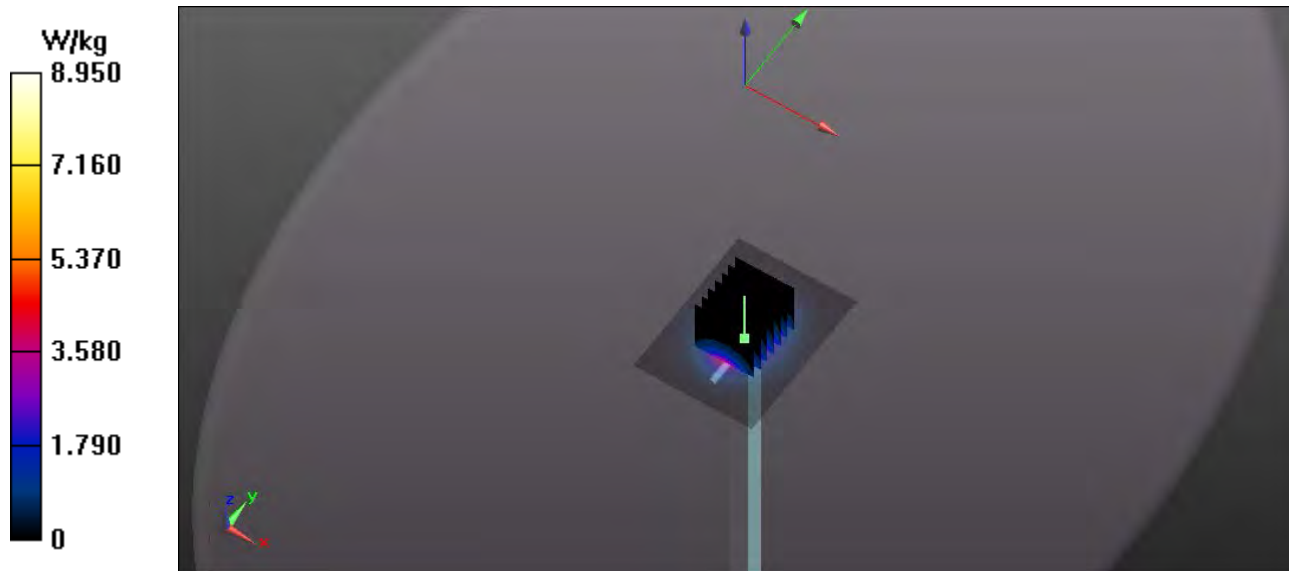
Test Date: Date: 9/19/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 - SN7530; ConvF(7.42, 7.42, 7.42); Calibrated: 1/14/2022;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

2550 MHz/Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.85 W/kg

2550 MHz/Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 51.895 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 10.87 W/kg
Pin=100 mW

SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.49 W/kg
Maximum value of SAR (measured) = 8.98 W/kg



RF Exposure Lab

Plot 12

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN 1053

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (interpolated): $f = 750$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 40.97$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Test Date: Date: 10/14/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 – SN3693; ConvF(10.46, 10.46, 10.46); Calibrated: 8/28/2022;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1217; Calibrated: 3/24/2022

Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251

Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

750 MHz Head/Verification/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

750 MHz Head/Verification /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

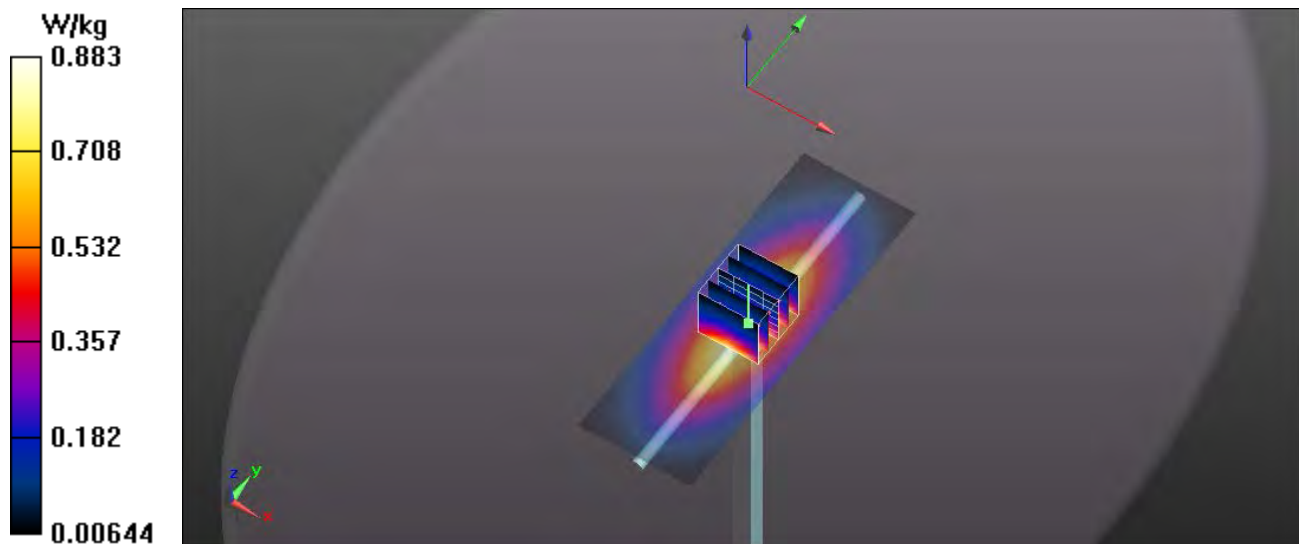
Reference Value = 33.452 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.76 mW/g

$P_{in} = 100$ mW

SAR(1 g) = 0.866 mW/g; SAR(10 g) = 0.559 mW/g

Maximum value of SAR (measured) = 0.883 W/kg



RF Exposure Lab

Plot 13

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN 1016

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (interpolated): $f = 750$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 40.97$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Test Date: Date: 7/9/2024; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 – SN3662; ConvF(8.69, 9.23, 7.72); Calibrated: 2/14/2024;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1321; Calibrated: 1/15/2024

Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1065

Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

750 MHz Head/Verification/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (measured) = 1.08 W/kg

750 MHz Head/Verification /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

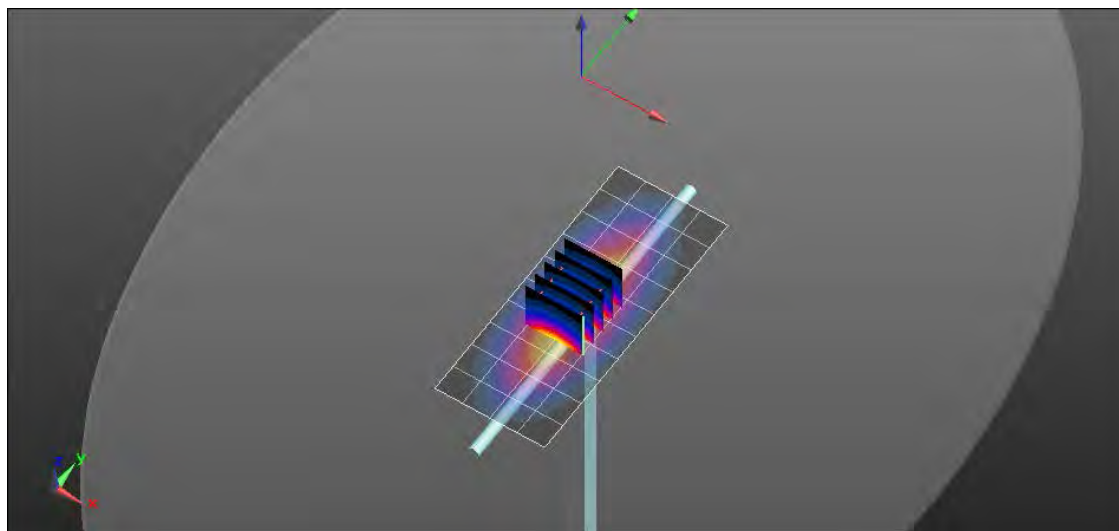
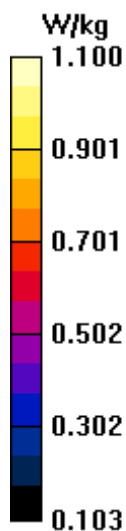
Reference Value = 31.227 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.30 W/kg

$P_{in} = 100$ mW

SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.549 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



RF Exposure Lab

Plot 14

DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:1d044

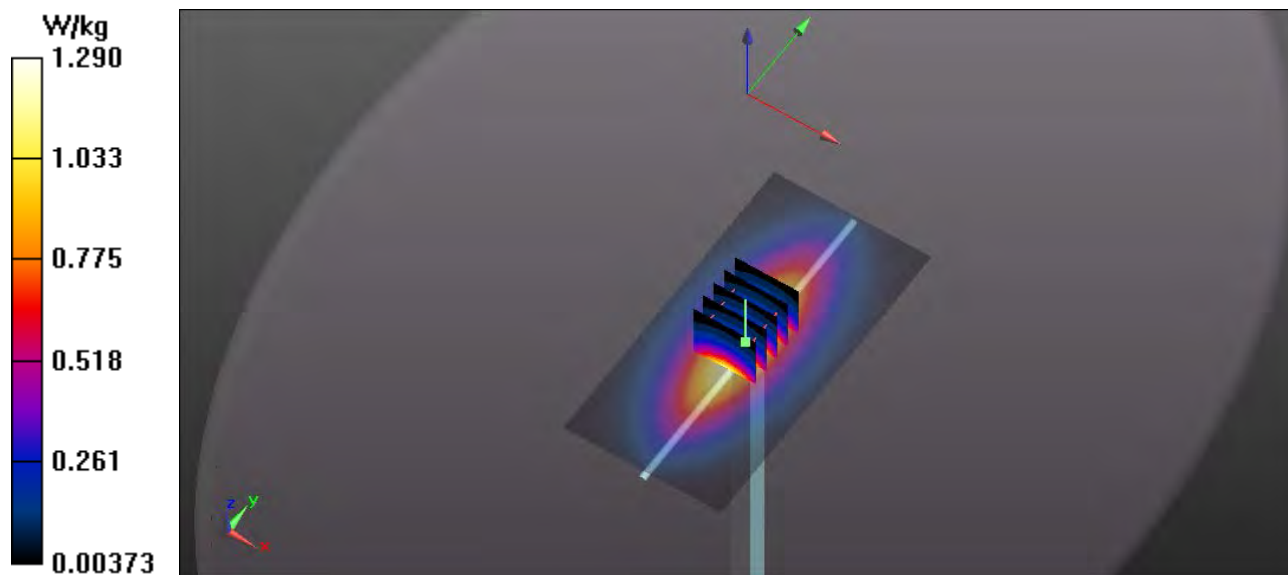
Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium: HSL900; Medium parameters used: $f = 900$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 40.61$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 7/10/2024; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 – SN3662; ConvF(8.07, 8.67, 7.35); Calibrated: 2/14/2024;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1321; Calibrated: 1/15/2024
Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1065
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

900 MHz Head/Verification/Area Scan (41x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.29 W/kg

900 MHz Head/Verification/Zoom Scan (5x5x8)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.612 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.47 W/kg
 $P_{in} = 100$ mW
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.722 W/kg
Maximum value of SAR (measured) = 1.29 W/kg



RF Exposure Lab

Plot 15

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN: 5d116

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

Medium: HSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.87$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Test Date: Date: 7/10/2024; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 – SN3662; ConvF(7.37, 7.91, 6.59); Calibrated: 2/14/2024;

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1321; Calibrated: 1/15/2024

Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1065

Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

1900 MHz Head/Verification/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.52 W/kg

1900 MHz Head/Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

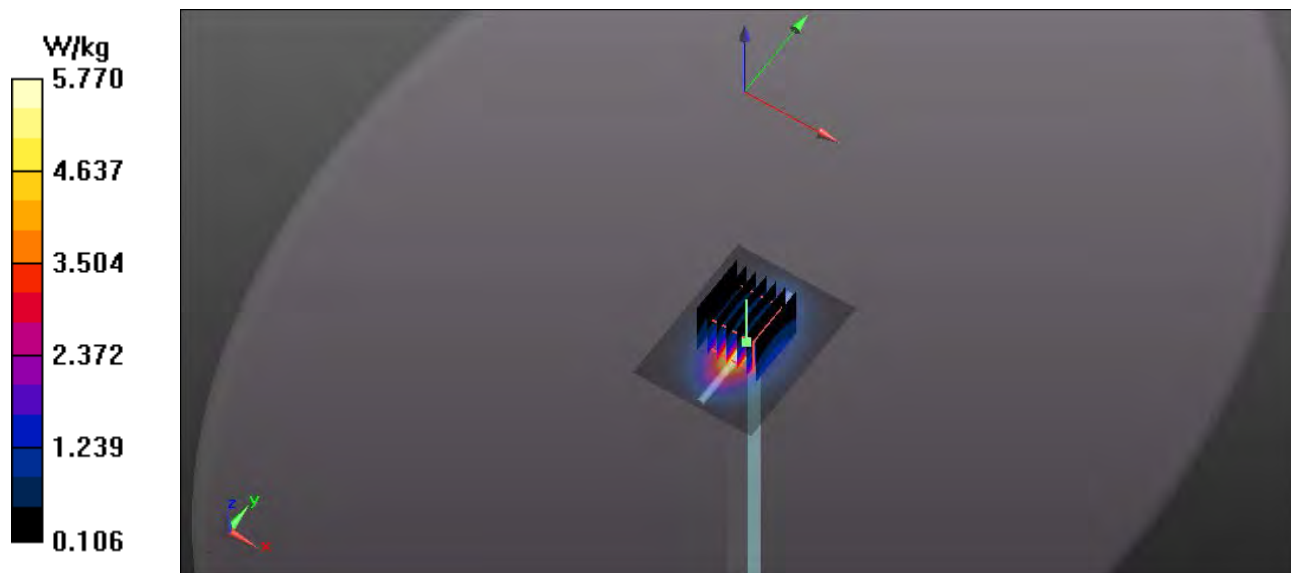
Reference Value = 32.186 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.25 W/kg

$P_{in} = 100$ mW

SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 5.79 W/kg



RF Exposure Lab

Plot 16

DUT: Dipole 2300 MHz D2300V2; Type: D2300V2; Serial: D2300V2 - SN: 1060

Communication System: CW; Frequency: 2300 MHz; Duty Cycle: 1:1
Medium: HSL2300; Medium parameters used: $f = 2300$ MHz; $\sigma = 1.69$ S/m; $\epsilon_r = 38.18$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

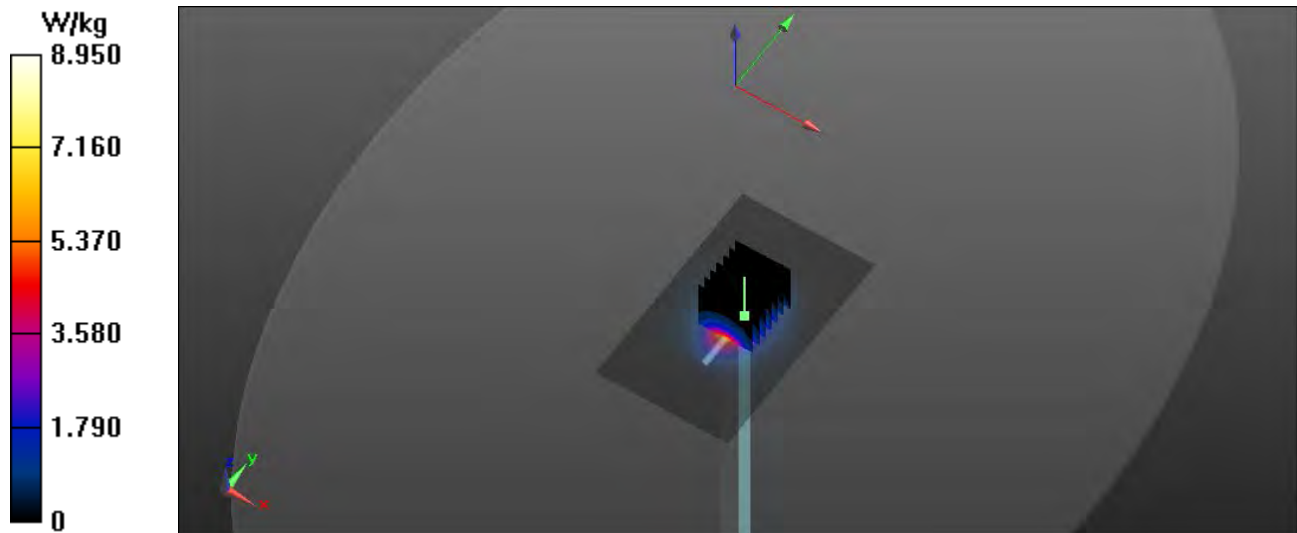
Test Date: Date: 7/8/2024; Ambient Temp: 23 °C; Tissue Temp: 21 °C
Probe: EX3DV4 – SN3662; ConvF(7.08, 7.67, 6.36); Calibrated: 2/14/2024;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1321; Calibrated: 1/15/2024
Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1065
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

2300 MHz Head/Verification/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 7.83 W/kg

2300 MHz Head/Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.297 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 11.06 W/kg
 $P_{in} = 100$ mW

SAR(1 g) = 4.98 W/kg; SAR(10 g) = 2.42 W/kg
Maximum value of SAR (measured) = 8.93 W/kg



Appendix B – SAR Test Data Plots

RF Exposure Lab

Plot 1

DUT: M3000B; Type: Hotspot; FID: BI160522F00489

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2535 MHz; Duty Cycle: 1:1
Medium: HSL2550; Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.915$ S/m; $\epsilon_r = 38.395$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/15/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(7.42, 7.42, 7.42); Calibrated: 1/14/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n7 LTE/Side F 1 RB 49 Offset Ant 0 Mid/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.60 W/kg

Band n7 LTE/Side F 1 RB 49 Offset Ant 0 Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

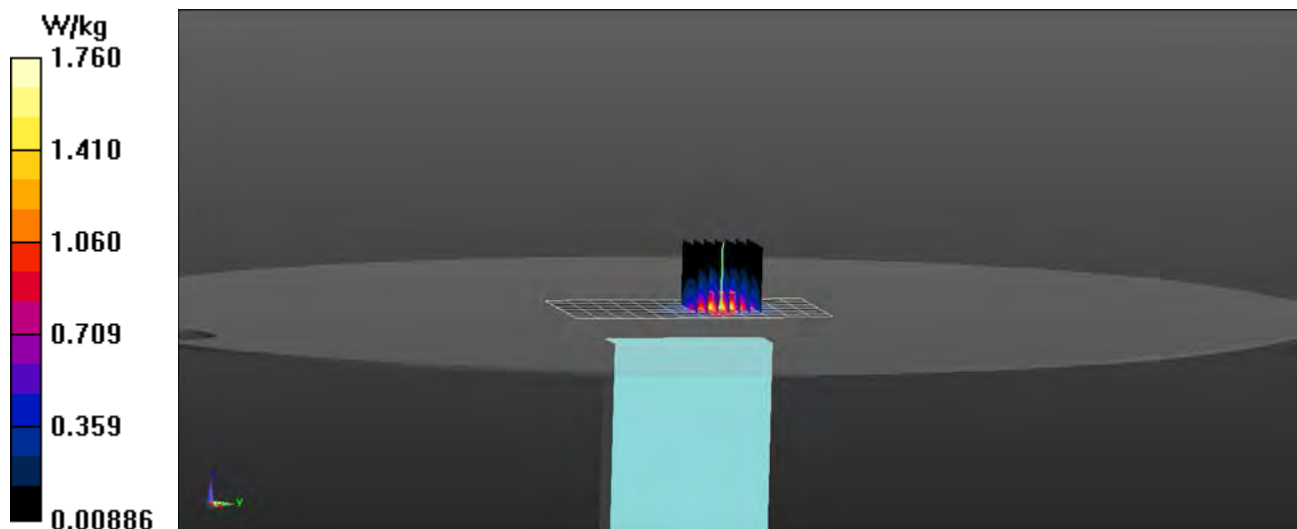
Reference Value = 17.14 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 1.17 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.76 W/kg



RF Exposure Lab

Plot 2

DUT: M3000B; Type: Hotspot; FID: BI160522F00489

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 39.17$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

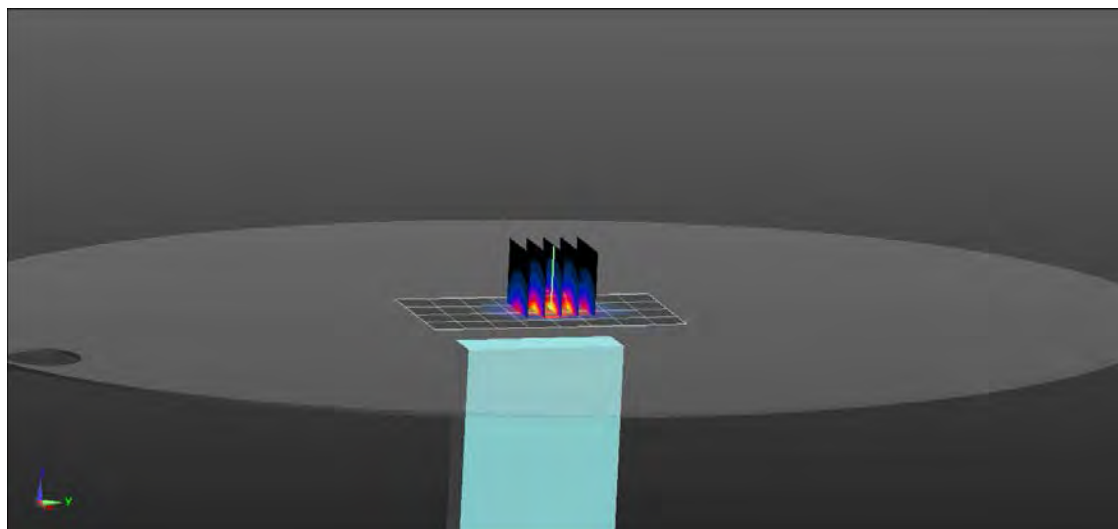
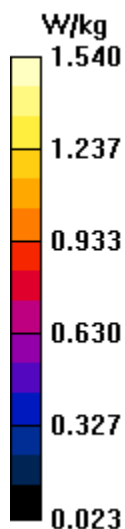
Test Date: Date: 8/12/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(8.06, 8.06, 8.06); Calibrated: 1/14/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n25 LTE/Side F 1 RB 49 Offset Ant 0 Low/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.30 W/kg

Band n25 LTE/Side F 1 RB 49 Offset Ant 0 Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.31 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.1 W/kg
Maximum value of SAR (measured) = 1.54 W/kg



RF Exposure Lab

Plot 3

DUT: M3000B; Type: Hotspot; FID: BI160522F00489

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 839 MHz; Duty Cycle: 1:1
Medium: HSL835; Medium parameters used (interpolated): $f = 839$ MHz; $\sigma = 0.939$ S/m; $\epsilon_r = 40.703$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/5/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(9.98, 9.98, 9.98); Calibrated: 1/14/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n26 LTE/Side A 1 RB 49 Offset Ant 0 High/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.05 W/kg

Band n26 LTE/Side A 1 RB 49 Offset Ant 0 High/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

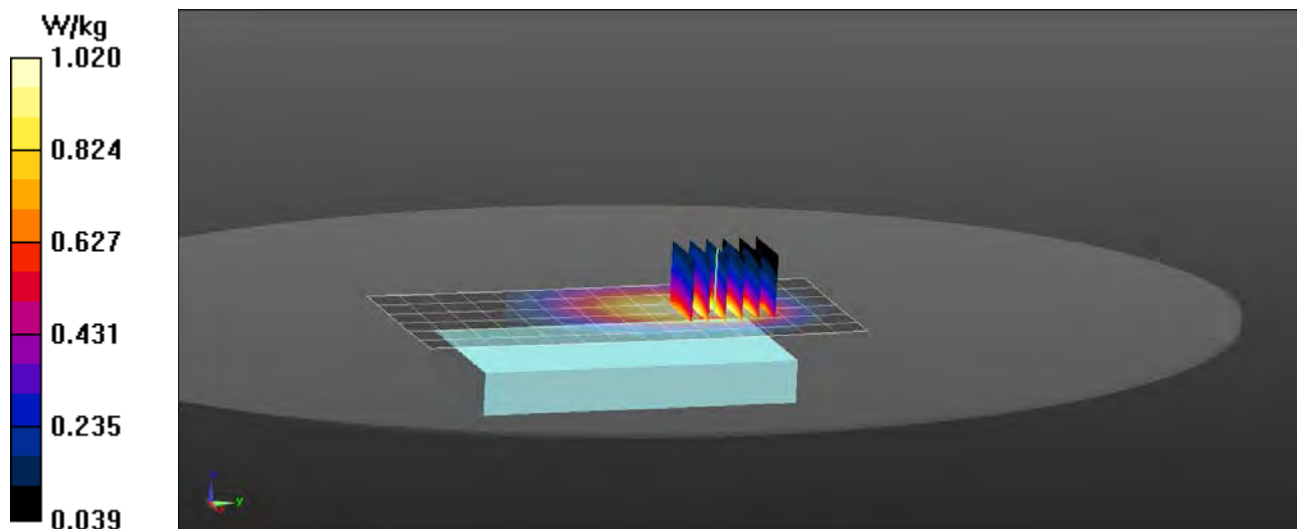
Reference Value = 22.24 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.853 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.02 W/kg



RF Exposure Lab

Plot 4

DUT: M3000B; Type: Hotspot; FID: BI160522F00489

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:1
Medium: HSL2550; Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 38.263$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/15/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(7.42, 7.42, 7.42); Calibrated: 1/14/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n41 LTE/Side A 1 RB 49 Offset Ant 0 Mid/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.39 W/kg

Band n41 LTE/Side A 1 RB 49 Offset Ant 0 Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

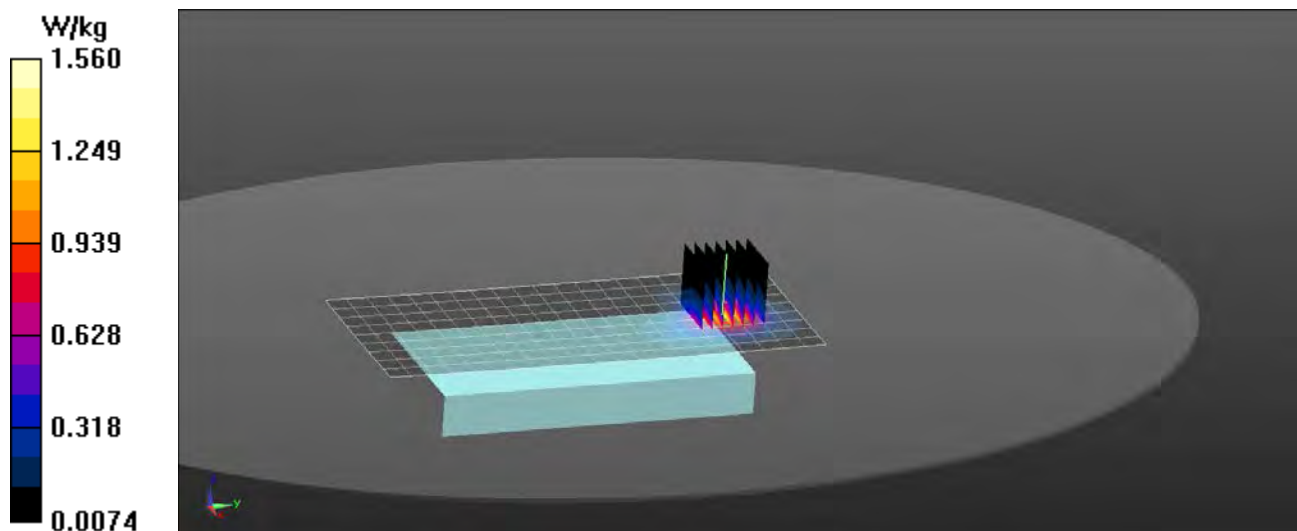
Reference Value = 16.95 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.752 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.56 W/kg



RF Exposure Lab

Plot 5

DUT: M3000B; Type: Hotspot; FID: BI160522F00489

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 3603.3 MHz; Duty Cycle: 1:1
Medium: HSL3-6GHz; Medium parameters used (interpolated): $f = 3603.3$ MHz; $\sigma = 3.033$ S/m; $\epsilon_r = 37.127$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/8/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(6.9, 6.9, 6.9); Calibrated: 1/14/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n48 LTE/Side F 1 RB 49 Offset Ant 4 Mid1/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.80 W/kg

Band n48 LTE/Side F 1 RB 49 Offset Ant 4 Mid1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

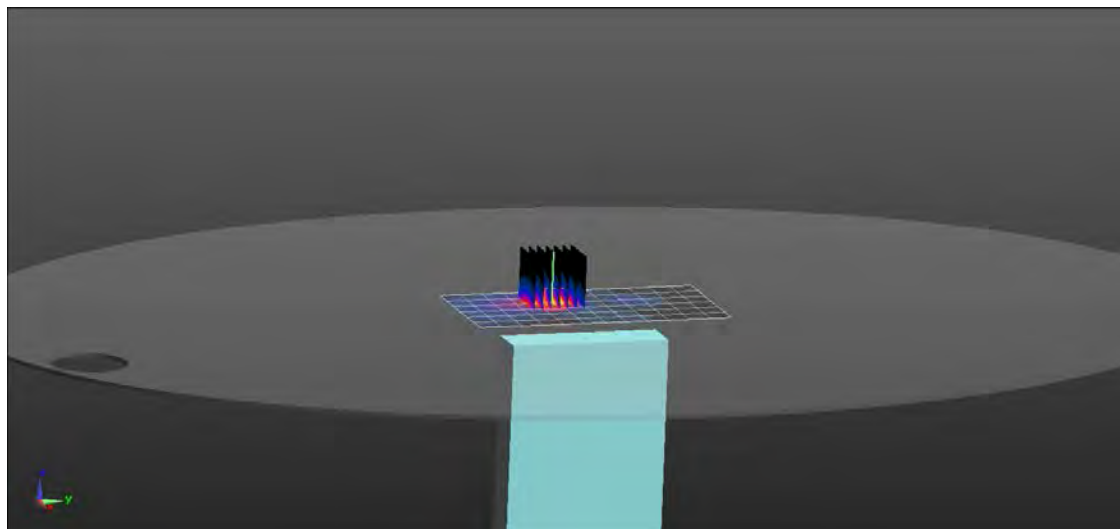
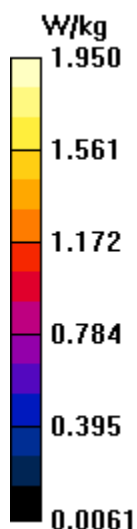
Reference Value = 9.832 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 1.17 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.95 W/kg



RF Exposure Lab

Plot 6

DUT: M3000B; Type: Hotspot; FID: BI160522F00489

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium: HSL1750; Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 39.45$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/11/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(8.42, 8.42, 8.42); Calibrated: 1/14/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n66 LTE/Side F 1 RB 49 Offset Ant 0 Mid/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.13 W/kg

Band n66 LTE/Side F 1 RB 49 Offset Ant 0 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

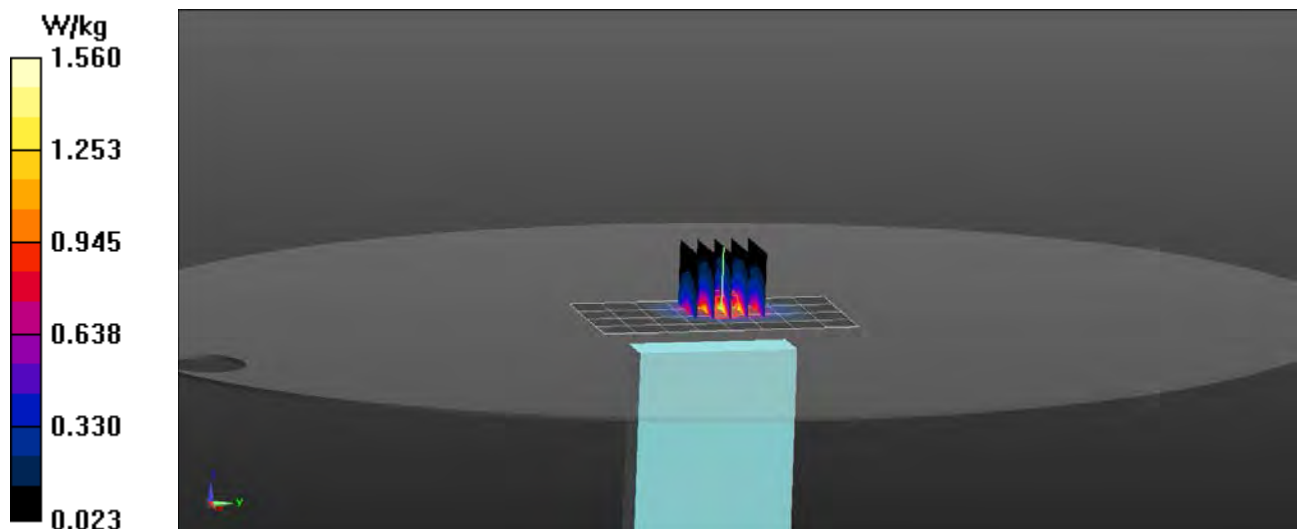
Reference Value = 22.62 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 1.12 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.56 W/kg



RF Exposure Lab

Plot 7

DUT: M3000B; Type: Hotspot; FID: BI160522F00489

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium: HSL600; Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.877$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/4/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(10.44, 10.44, 10.44); Calibrated: 1/14/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n71 LTE/Side A 1 RB 49 Offset Ant 0 Mid/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.22 W/kg

Band n71 LTE/Side A 1 RB 49 Offset Ant 0 Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

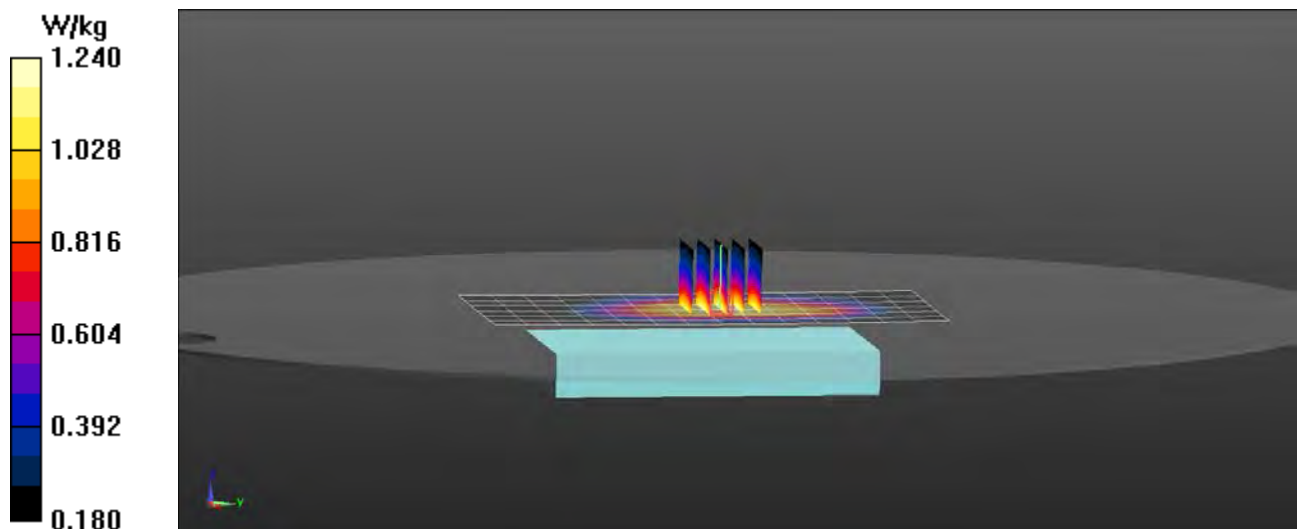
Reference Value = 31.83 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 1.06 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.24 W/kg



RF Exposure Lab

Plot 8

DUT: M3000B; Type: Hotspot; FID: BI160522F00489

Communication System: LTE (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 3700.8 MHz; Duty Cycle: 1:1
Medium: HSL3-6GHz; Medium parameters used (interpolated): $f = 3700.8$ MHz; $\sigma = 3.131$ S/m; $\epsilon_r = 37.019$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 8/9/2022; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN7530; ConvF(7.1, 7.1, 7.1); Calibrated: 1/14/2022
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1217; Calibrated: 3/24/2022
Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1251
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n77 LTE/Side A 1 RB 49 Offset Ant 4 Mid/Area Scan (10x22x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.81 W/kg

Band n77 LTE/Side A 1 RB 49 Offset Ant 4 Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 8.061 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 0.745 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.73 W/kg

Band n77 LTE/Side A 1 RB 49 Offset Ant 4 Mid/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=4mm

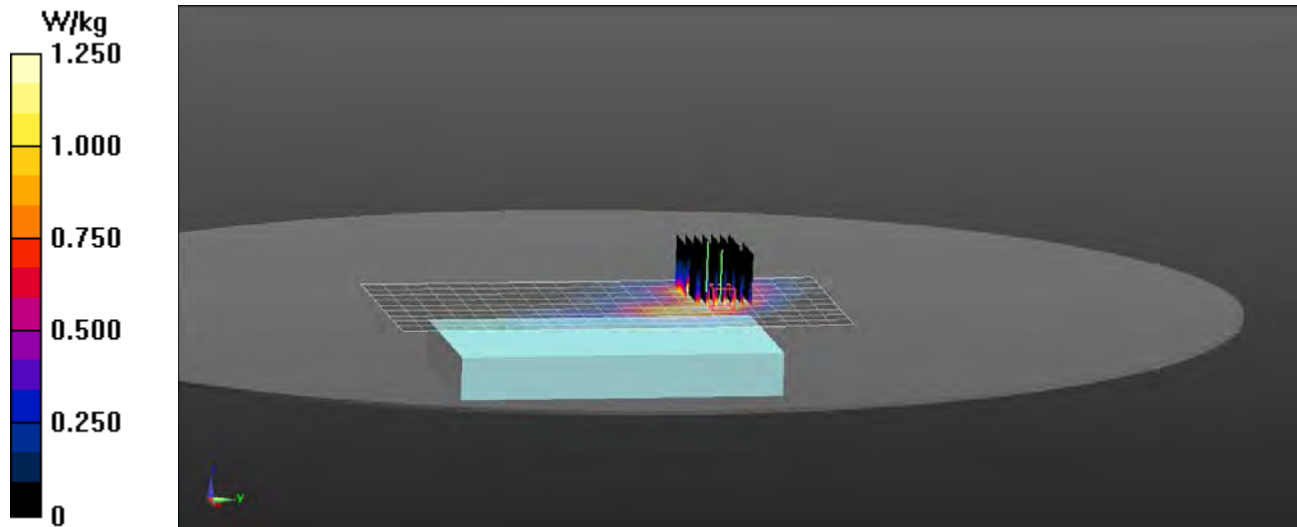
Reference Value = 8.061 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 5.30 W/kg

SAR(1 g) = 0.574 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.25 W/kg



RF Exposure Lab

Plot 9

DUT: M3000B; Type: Hotspot; Serial: 5360

Communication System: LTE (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: HSL750; Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 41.213$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Test Date: Date: 7/9/2024; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN3662; ConvF(8.69, 9.23, 7.72); Calibrated: 2/14/2024
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1321; Calibrated: 1/15/2024
Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1065
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n12/Side A Mid 1 RB 24 Offset/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.776 W/kg

Band n12/Side A Mid 1 RB 24 Offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

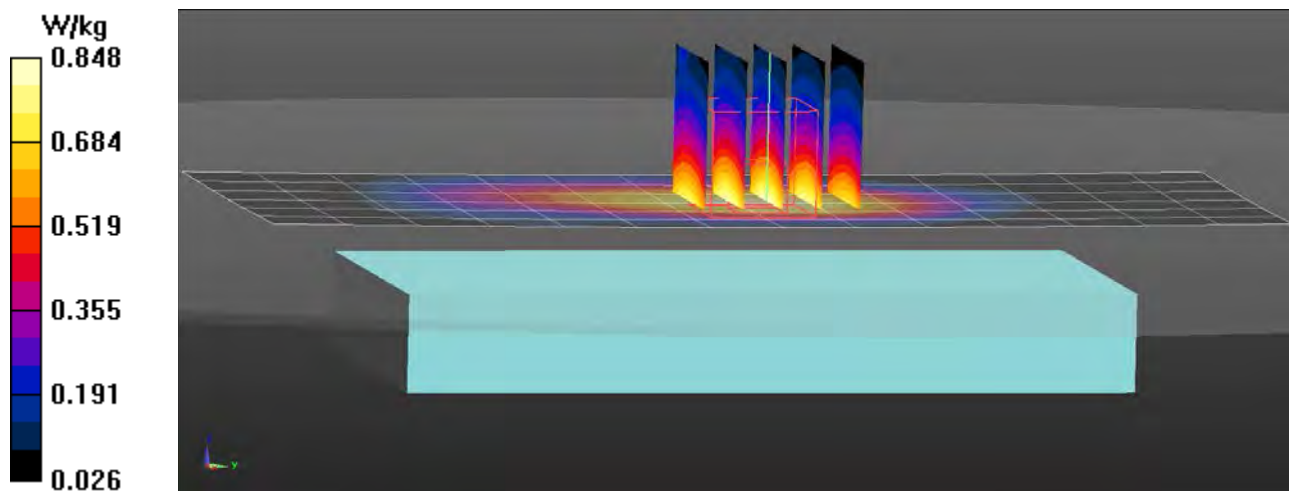
Reference Value = 20.82 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.389 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.848 W/kg



RF Exposure Lab

Plot 10

DUT: M3000B; Type: Hotspot; Serial: 5360

Communication System: LTE (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 2310 MHz; Duty Cycle: 1:1
Medium: HSL2300; Medium parameters used: $f = 2310$ MHz; $\sigma = 1.7$ S/m; $\epsilon_r = 38.16$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

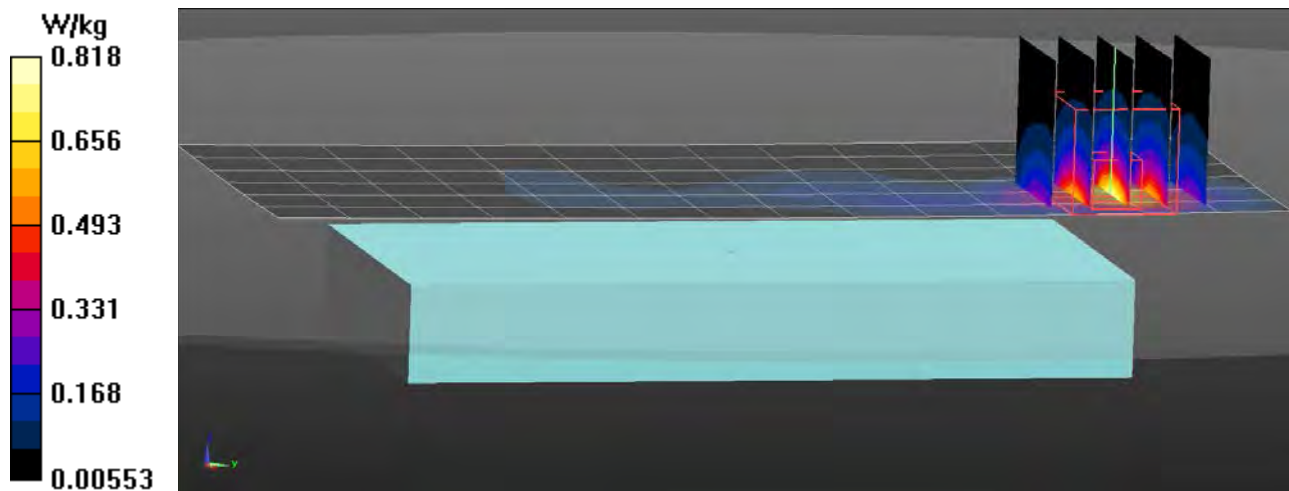
Test Date: Date: 7/8/2024; Ambient Temp: 23 °C; Tissue Temp: 21 °C

Probe: EX3DV4 - SN3662; ConvF(7.08, 7.67, 6.36); Calibrated: 2/14/2024
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1321; Calibrated: 1/15/2024
Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1065
Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

Procedure Notes:

Band n30/Side A Mid 1 RB 24 Offset/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.735 W/kg

Band n30/Side A Mid 1 RB 24 Offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.511 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.297 W/kg
Maximum value of SAR (measured) = 0.818 W/kg



Appendix C – SAR Test Setup Photos



Test Position Side A 10 mm Gap



Test Position Side A 20 mm Gap



Test Position Side B 10 mm Gap



Test Position Side C 10 mm Gap



Test Position Side C 20 mm Gap



Test Position Side D 10 mm Gap



Test Position Side D 20 mm Gap