

Band					5GNR n78(3550-3700MHz)(DSI-3) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	640000 3600.0	641110 3616.7	642222 3633.3	643332 3650.0	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	20.54	20.55	20.63	20.65	21
		1	137	0	20.43	20.61	20.56	20.53	21
		1	271	0	20.33	20.36	20.43	20.40	21
		135	0	0	20.28	20.58	20.37	20.31	21
		135	69	0	20.41	20.41	20.32	20.42	21
		135	138	0	20.15	20.61	20.29	20.59	21
		270	0	0	20.34	20.62	20.42	20.51	21
	DFT-S QPSK	1	1	0	20.98	20.90	20.89	20.95	21
		1	137	0	20.82	20.74	20.74	20.75	21
		1	271	0	20.78	20.82	20.68	20.59	21
		135	0	0	20.80	20.69	20.68	20.49	21
		135	69	0	20.95	20.88	20.83	20.90	21
		135	138	0	20.66	20.43	20.55	20.36	21
		270	0	0	20.88	20.68	20.61	20.47	21
	DFT-S 16QAM	1	1	0	20.69	20.34	20.56	20.49	21
	DFT-S 64QAM	1	1	0	20.70	20.52	20.61	20.45	21
	DFT-S 256QAM	1	1	0	20.39	20.49	20.33	20.57	21
	CP QPSK	1	1	0	20.64	20.49	20.61	20.71	21

<ENDC>

Band					5GNR n2(DSI-1) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000 1860.0	376000 1880.0	380000 1900.0	Tune-up Limit (dBm)
20	DFT-S $\pi/2$ BPSK	1	1	0	23.08	23.16	23.10	24
		1	53	0	22.99	23.03	23.28	24
		1	104	0	22.80	23.05	23.02	24
		50	0	0.5	22.56	22.74	22.69	23.5
		50	28	0	22.84	23.11	22.94	24
		50	56	0.5	22.48	22.59	22.62	23.5
		100	0	0.5	22.50	22.51	22.61	23.5
	DFT-S QPSK	1	1	0	23.24	23.38	23.42	24
		1	53	0	23.12	23.16	23.20	24
		1	104	0	23.02	23.21	23.19	24
		50	0	1	22.05	22.26	22.20	23
		50	28	0	23.15	23.31	23.34	24
		50	56	1	22.03	22.13	22.22	23
		100	0	1	22.13	22.30	22.17	23
	DFT-S 16QAM	1	1	1	22.03	22.07	22.14	23
	DFT-S 64QAM	1	1	2.5	20.67	20.58	20.65	21.5
	DFT-S 256QAM	1	1	4.5	18.61	18.70	18.62	19.5
	CP QPSK	1	1	1.5	21.49	21.70	21.64	22.5

Band					5GNR n2(DSI-2) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000 1860.0	376000 1880.0	380000 1900.0	Tune-up Limit (dBm)
20	DFT-S $\pi/2$ BPSK	1	1	0	19.79	19.78	19.88	20
		1	53	0	19.67	19.60	19.81	20
		1	104	0	19.57	19.59	19.85	20
		50	0	0	19.58	19.44	19.74	20
		50	28	0	19.54	19.59	19.75	20
		50	56	0	19.36	19.62	19.78	20
		100	0	0	19.55	19.63	19.76	20
	DFT-S QPSK	1	1	0	19.94	19.97	19.98	20
		1	53	0	19.49	19.54	19.70	20
		1	104	0	19.37	19.47	19.87	20
		50	0	0	19.64	19.47	19.78	20
		50	28	0	19.91	19.93	19.94	20
		50	56	0	19.80	19.58	19.77	20
		100	0	0	19.32	19.38	19.76	20
	DFT-S 16QAM	1	1	0	19.57	19.52	19.77	20
	DFT-S 64QAM	1	1	0	19.58	19.46	19.76	20
	DFT-S 256QAM	1	1	0	19.32	19.47	19.82	20
	CP QPSK	1	1	0	19.60	19.68	19.76	20

Band					5GNR n2(DSI-3) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000	376000	380000	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	DFT-S $\pi/2$ BPSK	1	1	0	18.63	18.65	18.69	19
		1	53	0	18.63	18.45	18.56	19
		1	104	0	18.43	18.47	18.48	19
		50	0	0	18.33	18.25	18.34	19
		50	28	0	18.46	18.40	18.47	19
		50	56	0	18.21	18.46	18.15	19
	DFT-S QPSK	100	0	0	18.33	18.50	18.31	19
		1	1	0	18.94	18.97	18.98	19
		1	53	0	18.84	18.79	18.91	19
		1	104	0	18.75	18.61	18.82	19
		50	0	0	18.85	18.61	18.81	19
		50	28	0	18.89	18.91	18.95	19
	DFT-S 16QAM	50	56	0	18.62	18.44	18.62	19
		100	0	0	18.79	18.63	18.82	19
		1	1	0	18.71	18.67	18.69	19
		1	1	0	18.75	18.68	18.75	19
		1	1	0	18.42	18.61	18.46	19
		1	1	0	18.67	18.82	18.65	19

Band					5GNR n2(DSI-1) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000	376000	380000	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	DFT-S $\pi/2$ BPSK	1	1	0	16.54	16.53	16.41	17
		1	53	0	16.51	16.29	16.49	17
		1	104	0	16.36	16.38	16.38	17
		50	0	0	16.19	16.10	16.28	17
		50	28	0	16.30	16.30	16.36	17
		50	56	0	16.13	16.38	16.03	17
	DFT-S QPSK	100	0	0	16.19	16.44	16.21	17
		1	1	0	16.91	16.89	16.90	17
		1	53	0	16.76	16.66	16.77	17
		1	104	0	16.60	16.46	16.67	17
		50	0	0	16.78	16.55	16.68	17
		50	28	0	16.86	16.83	16.79	17
	DFT-S 16QAM	50	56	0	16.47	16.29	16.54	17
		100	0	0	16.70	16.55	16.68	17
		1	1	0	16.62	16.54	16.61	17
		1	1	0	16.63	16.61	16.61	17
		1	1	0	16.36	16.51	16.40	17
		1	1	0	16.59	16.69	16.52	17

Band					5GNR n2(DSI-2) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000	376000	380000	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	DFT-S $\pi/2$ BPSK	1	1	0	19.80	19.78	19.76	20
		1	53	0	19.61	19.70	19.71	20
		1	104	0	19.51	19.71	19.68	20
		50	0	0.5	19.21	19.38	19.41	19.5
		50	28	0	19.51	19.77	19.75	20
		50	56	0.5	19.12	19.22	19.27	19.5
	DFT-S QPSK	100	0	0.5	19.18	19.16	19.10	19.5
		1	1	0	19.87	19.86	19.82	20
		1	53	0	19.86	19.80	19.72	20
		1	104	0	19.74	19.70	19.66	20
		50	0	1	18.71	18.66	18.45	19
		50	28	0	19.82	19.82	19.78	20
	DFT-S 16QAM	50	56	1	18.69	18.59	18.29	19
		100	0	1	18.79	18.76	18.54	19
		1	1	1	18.69	18.53	18.32	19
		1	1	2.5	17.33	17.04	16.75	17.5
		1	1	4.5	15.27	15.16	14.90	15.5
		1	1	1.5	18.15	18.16	17.86	18.5

Band					5GNR n2(DSI-3) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000 1860.0	376000 1880.0	380000 1900.0	Tune-up Limit (dBm)
20	DFT-S $\pi/2$ BPSK	1	1	0	18.60	18.59	18.47	19
		1	53	0	18.57	18.35	18.55	19
		1	104	0	18.42	18.44	18.44	19
		50	0	0	18.25	18.16	18.34	19
		50	28	0	18.36	18.36	18.42	19
		50	56	0	18.19	18.44	18.09	19
	DFT-S QPSK	100	0	0	18.25	18.50	18.27	19
		1	1	0	18.97	18.95	18.96	19
		1	53	0	18.82	18.72	18.83	19
		1	104	0	18.66	18.52	18.73	19
		50	0	0	18.84	18.61	18.74	19
		50	28	0	18.92	18.89	18.85	19
	DFT-S 16QAM	50	56	0	18.53	18.35	18.60	19
		100	0	0	18.76	18.61	18.74	19
		1	1	0	18.68	18.60	18.67	19
		1	1	0	18.69	18.67	18.67	19
	DFT-S 256QAM	1	1	0	18.42	18.57	18.46	19
	CP QPSK	1	1	0	18.65	18.75	18.58	19

Band					5GNR n5(DSI-1) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	166800 834.0	167300 836.5	167800 839.0	Tune-up Limit (dBm)
20	DFT-S $\pi/2$ BPSK	1	1	0	21.37	21.30	21.17	21.5
		1	53	0	21.32	21.07	21.32	21.5
		1	104	0	21.13	21.14	21.24	21.5
		50	0	0	21.03	20.87	21.10	21.5
		50	28	0	21.15	21.09	21.12	21.5
		50	56	0	20.94	21.21	20.84	21.5
	DFT-S QPSK	100	0	0	20.99	21.21	21.02	21.5
		1	1	0	21.42	21.38	21.37	21.5
		1	53	0	21.24	21.19	21.29	21.5
		1	104	0	21.12	21.02	21.15	21.5
		50	0	0	21.27	21.07	21.22	21.5
		50	28	0	21.34	21.29	21.33	21.5
	DFT-S 16QAM	50	56	0	20.93	20.77	21.04	21.5
		100	0	0	21.24	21.01	21.16	21.5
		1	1	0	21.17	21.09	21.13	21.5
		1	1	0	21.15	21.13	21.15	21.5
	DFT-S 256QAM	1	1	0	20.83	20.97	20.87	21.5
	CP QPSK	1	1	0	21.08	21.22	21.02	21.5

Band					5GNR n5(DSI-2&3) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	166800 834.0	167300 836.5	167800 839.0	Tune-up Limit (dBm)
20	DFT-S $\pi/2$ BPSK	1	1	0	23.50	23.47	23.43	24.5
		1	53	0	23.32	23.42	23.43	24.5
		1	104	0	23.16	23.36	23.41	24.5
		50	0	0.5	22.88	23.10	23.06	24.0
		50	28	0	23.48	23.23	23.43	24.5
		50	56	0.5	22.86	22.90	22.96	24.0
	DFT-S QPSK	100	0	0.5	22.86	22.89	22.80	24.0
		1	1	0	23.70	23.68	23.66	24.5
		1	53	0	23.66	23.53	23.36	24.5
		1	104	0	23.44	23.38	23.39	24.5
		50	0	1	22.36	22.32	22.16	23.5
		50	28	0	23.64	23.61	23.57	24.5
	DFT-S 16QAM	50	56	1	22.35	22.24	22.00	23.5
		100	0	1	22.81	22.75	22.72	23.5
		1	1	1	22.43	22.21	22.05	23.5
		1	1	2.5	21.00	20.75	20.41	22.0
	DFT-S 256QAM	1	1	4.5	18.91	18.87	18.59	20.0
	CP QPSK	1	1	1.5	21.83	21.89	21.50	23.0

Band					5GNR n7(DSI-1) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	504000	507000	510000	Tune-up Limit (dBm)
					2520.0	2535.0	2550.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	15.86	15.62	15.64	16.0
		1	108	0	15.78	15.62	15.47	16.0
		1	214	0	15.51	15.44	15.47	16.0
		108	0	0	15.63	15.43	15.32	16.0
		108	54	0	15.55	15.51	15.40	16.0
		108	108	0	15.69	15.18	15.52	16.0
	DFT-S QPSK	216	0	0	15.63	15.34	15.53	16.0
		1	1	0	15.93	15.96	15.94	16.0
		1	108	0	15.57	15.77	15.74	16.0
		1	214	0	15.54	15.82	15.61	16.0
		108	0	0	15.56	15.80	15.55	16.0
		108	54	0	15.85	15.92	15.88	16.0
	DFT-S 16QAM	108	108	0	15.65	15.64	15.49	16.0
		216	0	0	15.58	15.83	15.56	16.0
		1	1	0	15.45	15.68	15.73	16.0
		1	1	0	15.73	15.79	15.70	16.0
	DFT-S 256QAM	1	1	0	15.60	15.46	15.67	16.0
	CP QPSK	1	1	0	15.59	15.76	15.79	16.0

Band					5GNR n7(DSI-2) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	504000	507000	510000	Tune-up Limit (dBm)
					2520.0	2535.0	2550.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	17.85	17.91	17.88	18.0
		1	108	0	17.92	17.93	17.90	18.0
		1	214	0	17.84	17.88	17.84	18.0
		108	0	0.5	17.37	17.40	17.34	17.5
		108	54	0	17.80	17.90	17.90	18.0
		108	108	0.5	17.39	17.43	17.40	17.5
	DFT-S QPSK	216	0	0.5	17.35	17.39	17.35	17.5
		1	1	0	17.89	17.93	17.91	18.0
		1	108	0	17.80	17.89	17.85	18.0
		1	214	0	17.86	17.91	17.83	18.0
		108	0	1	16.86	16.91	16.82	17.0
		108	54	0	17.83	17.89	17.86	18.0
	DFT-S 16QAM	108	108	1	16.85	16.88	16.85	17.0
		216	0	1	16.79	16.88	16.83	17.0
		1	1	1	16.80	16.90	16.81	17.0
		1	1	2.5	15.33	15.42	15.32	15.5
	DFT-S 256QAM	1	1	4.5	13.31	13.37	13.32	13.5
	CP QPSK	1	1	1.5	16.41	16.41	16.34	16.5

Band					5GNR n7(DSI-3) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	504000	507000	510000	Tune-up Limit (dBm)
					2520.0	2535.0	2550.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	16.72	16.77	16.67	17.0
		1	108	0	16.76	16.59	16.69	17.0
		1	214	0	16.55	16.57	16.63	17.0
		108	0	0	16.42	16.40	16.43	17.0
		108	54	0	16.58	16.62	16.55	17.0
		108	108	0	16.30	16.59	16.28	17.0
	DFT-S QPSK	216	0	0	16.40	16.58	16.38	17.0
		1	1	0	16.91	16.97	16.95	17.0
		1	108	0	16.74	16.72	16.88	17.0
		1	214	0	16.72	16.56	16.77	17.0
		108	0	0	16.83	16.59	16.69	17.0
		108	54	0	16.90	16.92	16.87	17.0
	DFT-S 16QAM	108	108	0	16.50	16.41	16.55	17.0
		216	0	0	16.67	16.75	16.72	17.0
		1	1	0	16.69	16.57	16.65	17.0
		1	1	0	16.71	16.62	16.72	17.0
	DFT-S 256QAM	1	1	0	16.33	16.49	16.41	17.0
	CP QPSK	1	1	0	16.57	16.80	16.62	17.0

Band					5GNR n66(DSI-1) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000 1730.0	349000 1745.0	352000 1760.0	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	22.41	22.36	22.03	24.0
		1	108	0	22.38	22.37	21.99	24.0
		1	214	0	22.37	22.37	21.99	24.0
		108	0	0.5	22.09	22.06	21.70	23.5
		108	54	0	22.48	22.43	22.16	24.0
		108	108	0.5	21.95	21.94	21.59	23.5
	DFT-S QPSK	216	0	0.5	21.87	21.87	21.57	23.5
		1	1	0	22.59	22.61	22.36	24.0
		1	108	0	22.55	22.50	22.21	24.0
		1	214	0	22.51	22.44	22.12	24.0
		108	0	1	21.63	21.61	21.32	23.0
		108	54	0	22.49	22.51	22.24	24.0
		108	108	1	21.48	21.47	21.17	23.0
		216	0	1	21.59	21.64	21.28	23.0
	DFT-S 16QAM	1	1	1	21.43	21.34	21.04	23.0
	DFT-S 64QAM	1	1	2.5	19.91	19.87	19.61	21.5
	DFT-S 256QAM	1	1	4.5	18.03	18.03	17.63	19.5
	CP QPSK	1	1	1.5	21.05	20.95	20.71	22.5

Band					5G NR n41(DSI-1) Ant 4					
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	509202	513900	518598	523302	528000	Tune-up Limit (dBm)
					2546.0	2569.5	2593.0	2616.5	2640.0	
100	DFT-S $\pi/2$ BPSK	1	1	0	18.64	18.61	18.64	18.69	18.72	19
		1	137	0	18.60	18.46	18.62	18.40	18.59	19
		1	271	0	18.47	18.39	18.40	18.46	18.66	19
		135	0	0	18.39	18.35	18.33	18.26	18.50	19
		135	69	0	18.47	18.43	18.50	18.37	18.57	19
		135	138	0	18.20	18.51	18.18	18.53	18.56	19
		270	0	0	18.28	18.43	18.35	18.43	18.56	19
	DFT-S QPSK	1	1	0	18.98	18.97	18.85	18.89	18.92	19
		1	137	0	18.79	18.79	18.85	18.71	18.65	19
		1	271	0	18.74	18.64	18.82	18.62	18.70	19
		135	0	0	18.81	18.58	18.78	18.58	18.56	19
		135	69	0	18.92	18.87	18.86	18.83	18.61	19
		135	138	0	18.65	18.46	18.64	18.50	18.56	19
	270	0	0	18.79	18.56	18.78	18.62	18.59	19	
	DFT-S 16QAM	1	1	0	18.73	18.66	18.69	18.67	18.77	19
	DFT-S 64QAM	1	1	0	18.69	18.68	18.72	18.62	18.56	19
	DFT-S 256QAM	1	1	0	18.42	18.62	18.45	18.59	18.70	19
	CP QPSK	1	1	0	18.64	18.80	18.69	18.81	18.53	19

Band					5G NR n41(DSI-2) Ant 4					
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	509202	513900	518598	523302	528000	Tune-up Limit (dBm)
					2546.0	2569.5	2593.0	2616.5	2640.0	
100	DFT-S $\pi/2$ BPSK	1	1	0	20.73	20.66	20.67	20.64	20.70	21
		1	137	0	20.58	20.62	20.63	20.70	20.61	21
		1	271	0	20.56	20.51	20.58	20.60	20.56	21
		135	0	0.5	20.28	20.28	20.23	20.20	20.20	20.5
		135	69	0	20.73	20.72	20.76	20.65	20.69	21
		135	138	0.5	20.24	20.30	20.31	20.25	20.34	20.5
		270	0	0.5	20.28	20.12	20.25	20.19	20.20	20.5
	DFT-S QPSK	1	1	0	20.78	20.77	20.71	20.77	20.72	21
		1	137	0	20.77	20.73	20.73	20.81	20.70	21
		1	271	0	20.63	20.54	20.59	20.68	20.67	21
		135	0	1	19.68	19.61	19.58	19.72	19.69	20
		135	69	0	20.75	20.68	20.65	20.73	20.70	21
		135	138	1	19.68	19.68	19.67	19.73	19.75	20
		270	0	1	19.82	19.74	19.69	19.72	19.69	20
	DFT-S 16QAM	1	1	1	19.69	19.73	19.73	19.78	19.67	20
	DFT-S 64QAM	1	1	2.5	18.30	18.29	18.31	18.35	18.20	18.5
	DFT-S 256QAM	1	1	4.5	16.20	16.19	16.20	16.20	16.03	16.5
	CP QPSK	1	1	1.5	19.25	19.25	19.30	19.35	19.19	19.5

Band					5G NR n41(DSI-3) Ant 4					
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	509202 2546.0	513900 2569.5	518598 2593.0	523302 2616.5	528000 2640.0	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	19.84	19.76	19.70	19.78	19.77	20
		1	137	0	19.69	19.61	19.74	19.59	19.76	20
		1	271	0	19.55	19.54	19.59	19.58	19.60	20
		135	0	0	19.50	19.50	19.52	19.48	19.69	20
		135	69	0	19.74	19.54	19.59	19.60	19.63	20
		135	138	0	19.30	19.60	19.39	19.59	19.66	20
		270	0	0	19.48	19.65	19.42	19.56	19.73	20
	DFT-S QPSK	1	1	0	19.93	19.92	19.88	19.89	19.91	20
		1	137	0	19.77	19.72	19.74	19.70	19.61	20
		1	271	0	19.80	19.59	19.76	19.63	19.70	20
		135	0	0	19.84	19.55	19.84	19.57	19.55	20
		135	69	0	19.90	19.79	19.86	19.87	19.86	20
		135	138	0	19.67	19.42	19.62	19.49	19.49	20
		270	0	0	19.76	19.56	19.70	19.57	19.57	20
	DFT-S 16QAM	1	1	0	19.66	19.70	19.67	19.61	19.74	20
	DFT-S 64QAM	1	1	0	19.65	19.60	19.67	19.65	19.55	20
	DFT-S 256QAM	1	1	0	19.39	19.59	19.41	19.60	19.65	20
	CP QPSK	1	1	0	19.67	19.78	19.69	19.74	19.55	20

Band					5G NR n66(DSI-1) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000 1730.0	349000 1745.0	352000 1760.0	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	22.41	22.36	22.03	24.0
		1	108	0	22.38	22.37	21.99	24.0
		1	214	0	22.37	22.37	21.99	24.0
		108	0	0.5	22.09	22.06	21.70	23.5
		108	54	0	22.48	22.43	22.16	24.0
		108	108	0.5	21.95	21.94	21.59	23.5
		216	0	0.5	21.87	21.87	21.57	23.5
	DFT-S QPSK	1	1	0	22.59	22.61	22.36	24.0
		1	108	0	22.55	22.50	22.21	24.0
		1	214	0	22.51	22.44	22.12	24.0
		108	0	1	21.63	21.61	21.32	23.0
		108	54	0	22.49	22.51	22.24	24.0
		108	108	1	21.48	21.47	21.17	23.0
		216	0	1	21.59	21.64	21.28	23.0
	DFT-S 16QAM	1	1	1	21.43	21.34	21.04	23.0
	DFT-S 64QAM	1	1	2.5	19.91	19.87	19.61	21.5
	DFT-S 256QAM	1	1	4.5	18.03	18.03	17.63	19.5
	CP QPSK	1	1	1.5	21.05	20.95	20.71	22.5

Band					5G NR n66(DSI-2) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000 1730.0	349000 1745.0	352000 1760.0	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	19.69	19.73	19.86	20.0
		1	108	0	19.64	19.55	19.79	20.0
		1	214	0	19.54	19.51	19.81	20.0
		108	0	0	19.50	19.42	19.69	20.0
		108	54	0	19.51	19.52	19.68	20.0
		108	108	0	19.29	19.60	19.68	20.0
		216	0	0	19.45	19.56	19.71	20.0
	DFT-S QPSK	1	1	0	19.93	19.98	19.96	20.0
		1	108	0	19.71	19.79	19.80	20.0
		1	214	0	19.61	19.71	19.78	20.0
		108	0	0	19.85	19.69	19.68	20.0
		108	54	0	19.86	19.89	19.88	20.0
		108	108	0	19.80	19.57	19.77	20.0
		216	0	0	19.61	19.69	19.62	20.0
	DFT-S 16QAM	1	1	0	19.81	19.75	20.17	20.0
	DFT-S 64QAM	1	1	0	19.79	19.76	20.07	20.0
	DFT-S 256QAM	1	1	0	19.53	19.74	20.14	20.0
	CP QPSK	1	1	0	19.80	19.89	19.81	20.0

Band					5GNR n66(DSI-3) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000	349000	352000	Tune-up Limit (dBm)
					1730.0	1745.0	1760.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	18.61	18.63	18.44	19.0
		1	108	0	18.54	18.45	18.53	19.0
		1	214	0	18.35	18.46	18.47	19.0
		108	0	0	18.28	18.15	18.28	19.0
		108	54	0	18.43	18.58	18.47	19.0
		108	108	0	18.12	18.38	18.10	19.0
	DFT-S QPSK	216	0	0	18.32	18.42	18.23	19.0
		1	1	0	18.95	18.98	18.93	19.0
		1	108	0	18.77	18.91	18.81	19.0
		1	214	0	18.70	18.85	18.74	19.0
		108	0	0	18.78	18.58	18.73	19.0
		108	54	0	18.90	18.92	18.86	19.0
	DFT-S 16QAM	108	108	0	18.62	18.35	18.55	19.0
		216	0	0	18.73	18.77	18.74	19.0
		1	1	0	18.71	18.57	18.59	19.0
		1	1	0	18.75	18.61	18.67	19.0
	DFT-S 256QAM	1	1	0	18.34	18.57	18.40	19.0
	CP QPSK	1	1	0	18.61	18.72	18.55	19.0

Band					5GNR n66(DSI-1) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000	349000	352000	Tune-up Limit (dBm)
					1730.0	1745.0	1760.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	17.61	17.67	17.75	18.0
		1	108	0	17.60	17.46	17.69	18.0
		1	214	0	17.46	17.44	17.74	18.0
		108	0	0	17.39	17.32	17.62	18.0
		108	54	0	17.48	17.44	17.60	18.0
		108	108	0	17.22	17.50	17.55	18.0
	DFT-S QPSK	216	0	0	17.33	17.48	17.63	18.0
		1	1	0	17.94	17.93	17.88	18.0
		1	108	0	17.80	17.74	17.72	18.0
		1	214	0	17.77	17.64	17.78	18.0
		108	0	0	17.81	17.60	17.63	18.0
		108	54	0	17.93	17.89	17.86	18.0
	DFT-S 16QAM	108	108	0	17.67	17.49	17.62	18.0
		216	0	0	17.74	17.56	17.67	18.0
		1	1	0	17.72	17.70	17.76	18.0
		1	1	0	17.73	17.67	17.66	18.0
	DFT-S 256QAM	1	1	0	17.47	17.64	17.73	18.0
	CP QPSK	1	1	0	17.70	17.82	17.57	18.0

Band					5GNR n66(DSI-2) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000	349000	352000	Tune-up Limit (dBm)
					1730.0	1745.0	1760.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	19.83	19.76	19.77	20.0
		1	108	0	19.84	19.80	19.75	20.0
		1	214	0	19.86	19.85	19.86	20.0
		108	0	0.5	19.39	19.29	19.37	19.5
		108	54	0	19.87	19.86	19.85	20.0
		108	108	0.5	19.38	19.34	19.36	19.5
	DFT-S QPSK	216	0	0.5	19.40	19.31	19.35	19.5
		1	1	0	19.91	19.89	19.88	20.0
		1	108	0	19.82	19.73	19.73	20.0
		1	214	0	19.86	19.82	19.82	20.0
		108	0	1	18.90	18.83	18.81	19.0
		108	54	0	19.90	19.85	19.81	20.0
	DFT-S 16QAM	108	108	1	18.82	18.72	18.74	19.0
		216	0	1	18.83	18.81	18.77	19.0
		1	1	1	18.87	18.79	18.77	19.0
		1	1	2.5	17.40	17.38	17.31	17.5
	DFT-S 256QAM	1	1	4.5	15.38	15.38	15.32	15.5
	CP QPSK	1	1	1.5	18.37	18.33	18.29	18.5

Band					5GNR n66(DSI-3) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000	349000	352000	Tune-up Limit (dBm)
					1730.0	1745.0	1760.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	18.72	18.66	18.66	19.0
		1	108	0	18.42	18.66	18.48	19.0
		1	214	0	18.40	18.45	18.42	19.0
		108	0	0	18.36	18.35	18.37	19.0
		108	54	0	18.47	18.46	18.44	19.0
		108	108	0	18.51	18.19	18.47	19.0
	DFT-S QPSK	216	0	0	18.45	18.38	18.53	19.0
		1	1	0	18.90	18.88	18.89	19.0
		1	108	0	18.76	18.82	18.76	19.0
		1	214	0	18.60	18.78	18.63	19.0
		108	0	0	18.52	18.76	18.62	19.0
		108	54	0	18.87	18.86	18.85	19.0
	DFT-S 16QAM	108	108	0	18.80	18.57	18.45	19.0
		216	0	0	18.83	18.73	18.55	19.0
		1	1	0	18.59	18.65	18.59	19.0
		1	1	0	18.59	18.62	18.65	19.0
	DFT-S 256QAM	1	1	0	18.55	18.41	18.61	19.0
	CP QPSK	1	1	0	18.76	18.61	18.70	19.0

Band					5GNR n71(DSI-1) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	134600	136100	137600	Tune-up Limit (dBm)
					673.0	680.5	688.0	
20	DFT-S $\pi/2$ BPSK	1	1	0	20.59	20.63	20.51	21.0
		1	53	0	20.50	20.61	20.56	21.0
		1	104	0	20.55	20.58	20.50	21.0
		50	0	0	20.41	20.55	20.45	21.0
		50	28	0	20.52	20.51	20.43	21.0
		50	56	0	20.37	20.60	20.48	21.0
	DFT-S QPSK	100	0	0	20.48	20.54	20.43	21.0
		1	1	0	20.74	20.76	20.71	21.0
		1	53	0	20.53	20.60	20.52	21.0
		1	104	0	20.51	20.69	20.59	21.0
		50	0	0	20.59	20.56	20.51	21.0
		50	28	0	20.52	20.67	20.60	21.0
	DFT-S 16QAM	50	56	0	20.46	20.58	20.42	21.0
		100	0	0	20.59	20.69	20.45	21.0
		1	1	0	20.43	20.51	20.49	21.0
		1	1	0	20.41	20.58	20.45	21.0
	DFT-S 256QAM	1	1	0	20.52	20.59	20.43	21.0
	CP QPSK	1	1	0	20.37	20.60	20.48	21.0

Band					5GNR n71(DSI-2&3) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	134600	136100	137600	Tune-up Limit (dBm)
					673.0	680.5	688.0	
20	DFT-S $\pi/2$ BPSK	1	1	0	23.34	23.38	23.26	24.0
		1	53	0	23.25	23.36	23.31	24.0
		1	104	0	23.30	23.43	23.25	24.0
		50	0	0.5	22.69	23.02	22.88	23.5
		50	28	0	23.33	23.41	23.35	24.0
		50	56	0.5	22.75	22.85	22.85	23.5
	DFT-S QPSK	100	0	0.5	22.75	22.89	22.84	23.5
		1	1	0	23.49	23.51	23.46	24.0
		1	53	0	23.28	23.35	23.27	24.0
		1	104	0	23.26	23.44	23.34	24.0
		50	0	1	22.37	22.35	22.36	23.0
		50	28	0	23.37	23.47	23.40	24.0
	DFT-S 16QAM	50	56	1	22.28	22.31	22.34	23.0
		100	0	1	22.39	22.41	22.37	23.0
		1	1	1	22.22	22.38	22.33	23.0
		1	1	2.5	20.80	20.91	20.88	21.5
	DFT-S 256QAM	1	1	4.5	18.83	18.83	18.82	19.5
	CP QPSK	1	1	1.5	21.78	21.81	21.83	22.5

Band					5GNR n78(3450~3550MHz)(DSI-1) Ant 2	
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	633332 3499.98	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	17.75	18
		1	137	0	17.62	18
		1	271	0	17.71	18
		135	0	0	17.56	18
		135	69	0	17.58	18
		135	138	0	17.54	18
	DFT-S QPSK	270	0	0	17.62	18
		1	1	0	17.94	18
		1	137	0	17.80	18
		1	271	0	17.72	18
		135	0	0	17.62	18
		135	69	0	17.86	18
	DFT-S 16QAM	135	138	0	17.51	18
		270	0	0	17.56	18
		1	1	0	17.69	18
		1	1	0	17.62	18
	DFT-S 256QAM	1	1	0	17.71	18
	CP QPSK	1	1	0	17.59	18

Band					5GNR n78(3450~3550MHz)(DSI-2) Ant 2	
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	633332 3499.98	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	19.75	20
		1	137	0	19.58	20
		1	271	0	19.42	20
		135	0	0.5	19.13	19.5
		135	69	0	19.62	20
		135	138	0.5	19.10	19.5
	DFT-S QPSK	270	0	0.5	19.27	19.5
		1	1	0	19.93	20
		1	137	0	19.62	20
		1	271	0	19.64	20
		135	0	1	18.62	19
		135	69	0	19.90	20
	DFT-S 16QAM	135	138	1	18.61	19
		270	0	1	18.69	19
		1	1	1	18.65	19
		1	1	2.5	17.23	17.5
	DFT-S 256QAM	1	1	4.5	15.16	15.5
	CP QPSK	1	1	1.5	18.11	18.5

Band					5GNR n78(3450~3550MHz)(DSI-3) Ant 2	
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	633332 3499.98	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	18.74	19
		1	137	0	18.65	19
		1	271	0	18.27	19
		135	0	0	18.46	19
		135	69	0	18.41	19
		135	138	0	18.50	19
	DFT-S QPSK	270	0	0	18.47	19
		1	1	0	18.91	19
		1	137	0	18.82	19
		1	271	0	18.67	19
		135	0	0	18.61	19
		135	69	0	18.83	19
	DFT-S 16QAM	135	138	0	18.26	19
		270	0	0	18.42	19
		1	1	0	18.43	19
		1	1	0	18.45	19
	DFT-S 256QAM	1	1	0	18.49	19
	CP QPSK	1	1	0	18.64	19

Band					5GNR n78(3550-3700MHz)(DSI-1) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	640000 3600.0	641110 3616.7	642222 3633.3	643332 3650.0	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	17.65	17.56	17.58	17.63	18
		1	137	0	17.35	17.51	17.41	17.51	18
		1	271	0	17.37	17.42	17.39	17.69	18
		135	0	0	17.21	17.28	17.27	17.52	18
		135	69	0	17.33	17.44	17.37	17.56	18
		135	138	0	17.48	17.19	17.47	17.43	18
	DFT-S QPSK	270	0	0	17.44	17.25	17.42	17.53	18
		1	1	0	17.90	17.85	17.86	17.87	18
		1	137	0	17.66	17.76	17.69	17.52	18
		1	271	0	17.54	17.71	17.58	17.59	18
		135	0	0	17.49	17.74	17.53	17.48	18
		135	69	0	17.86	17.83	17.85	17.80	18
	DFT-S 16QAM	135	138	0	17.37	17.54	17.35	17.46	18
		270	0	0	17.73	17.71	17.55	17.49	18
	DFT-S 64QAM	1	1	0	17.59	17.60	17.56	17.62	18
	DFT-S 256QAM	1	1	0	17.56	17.61	17.53	17.49	18
	CP QPSK	1	1	0	17.51	17.35	17.51	17.64	18
		1	1	0	17.73	17.64	17.70	17.43	18

Band					5GNR n78(3550-3700MHz)(DSI-2) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	640000 3600.0	641110 3616.7	642222 3633.3	643332 3650.0	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	19.72	19.60	19.58	19.61	20
		1	137	0	19.57	19.54	19.60	19.70	20
		1	271	0	19.47	19.43	19.56	19.52	20
		135	0	0.5	19.21	19.19	19.15	19.21	19.5
		135	69	0	19.65	19.70	19.71	19.58	20
		135	138	0.5	19.17	19.23	19.26	19.16	19.5
	DFT-S QPSK	270	0	0.5	19.27	19.06	19.18	19.10	19.5
		1	1	0	19.90	19.89	19.87	19.90	20
		1	137	0	19.71	19.66	19.64	19.77	20
		1	271	0	19.63	19.51	19.52	19.62	20
		135	0	1	18.67	18.57	18.55	18.69	19
		135	69	0	19.88	19.81	19.84	19.84	20
	DFT-S 16QAM	135	138	1	18.60	18.61	18.65	18.74	19
		270	0	1	18.78	18.65	18.67	18.67	19
	DFT-S 64QAM	1	1	1	18.66	18.68	18.70	18.73	19
	DFT-S 256QAM	1	1	2.5	17.26	17.23	17.22	17.27	17.5
	CP QPSK	1	1	4.5	15.18	15.15	15.11	15.17	15.5
		1	1	1.5	18.20	18.20	18.27	18.26	18.5

Band					5GNR n78(3550-3700MHz)(DSI-3) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	640000 3600.0	641110 3616.7	642222 3633.3	643332 3650.0	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	18.51	18.52	18.60	18.62	19
		1	137	0	18.40	18.58	18.53	18.50	19
		1	271	0	18.30	18.33	18.40	18.37	19
		135	0	0	18.25	18.55	18.34	18.28	19
		135	69	0	18.38	18.38	18.29	18.39	19
		135	138	0	18.12	18.58	18.26	18.56	19
	DFT-S QPSK	270	0	0	18.31	18.59	18.39	18.48	19
		1	1	0	18.93	18.85	18.84	18.90	19
		1	137	0	18.77	18.69	18.69	18.70	19
		1	271	0	18.73	18.77	18.63	18.54	19
		135	0	0	18.75	18.64	18.63	18.44	19
		135	69	0	18.90	18.83	18.78	18.85	19
	DFT-S 16QAM	135	138	0	18.61	18.38	18.50	18.31	19
		270	0	0	18.83	18.63	18.56	18.42	19
	DFT-S 64QAM	1	1	0	18.64	18.29	18.51	18.44	19
	DFT-S 256QAM	1	1	0	18.65	18.47	18.56	18.40	19
	CP QPSK	1	1	0	18.34	18.44	18.28	18.52	19
		1	1	0	18.59	18.44	18.56	18.66	19

8.7. Measured Conducted Power Results for WLAN

Test Notes:

- [1] The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power was measured for the highest maximum output power configurations in each frequency band according to the default power measurement procedures.
- [2] Per KDB Publication 248227 D01, the conducted power measurement was performed for the transmission mode configuration with the highest maximum output power specified for production units.
- [3] For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- [4] For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- [5] For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.
- [6] Per April 2019 TCB Workshop guidance, general principles of KDB Publication 248227 D01 can be applied to determine the SAR Initial Test Configurations and test reduction for 802.11ax, and 802.11ax is considered as the highest order modulation mode. For the table below the 802.11ax maximum power is SU (non-OFDMA), and the SU maximum power is higher than RU (OFDMA).

WLAN 2.4 GHz_Set 0				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11b	1	2412	17.84	18.00
	6	2437	17.90	18.00
	11	2462	17.86	18.00
802.11g	1	2412	16.63	17.00
	6	2437	16.75	17.00
	11	2462	16.74	17.00
802.11n HT20	1	2412	16.81	17.00
	6	2437	16.62	17.00
	11	2462	16.75	17.00
802.11n HT40	3	2422	16.66	17.00
	6	2437	16.88	17.00
	9	2452	16.79	17.00

WLAN 2.4 GHz_Set 1				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11b	1	2412	19.81	20.00
	6	2437	19.98	20.00
	11	2462	19.97	20.00
802.11g	1	2412	19.84	20.00
	6	2437	19.74	20.00
	11	2462	19.94	20.00
802.11n HT20	1	2412	19.75	20.00
	6	2437	19.79	20.00
	11	2462	19.79	20.00
802.11n HT40	3	2422	17.89	18.00
	6	2437	17.96	18.00
	9	2452	17.95	18.00

WLAN 2.4 GHz Set 2				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11b	1	2412	10.44	10.50
	6	2437	10.49	10.50
	11	2462	10.48	10.50
802.11g	1	2412	9.44	9.50
	6	2437	9.43	9.50
	11	2462	9.39	9.50
802.11n HT20	1	2412	9.38	9.50
	6	2437	9.44	9.50
	11	2462	9.45	9.50
802.11n HT40	3	2422	9.44	9.50
	6	2437	9.40	9.50
	9	2452	9.42	9.50

WLAN 2.4 GHz Set 3				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11b	1	2412	15.47	15.50
	6	2437	15.48	15.50
	11	2462	15.41	15.50
802.11g	1	2412	14.45	14.50
	6	2437	14.41	14.50
	11	2462	14.42	14.50
802.11n HT20	1	2412	14.45	14.50
	6	2437	14.45	14.50
	11	2462	14.49	14.50
802.11n HT40	3	2422	11.36	11.50
	6	2437	11.48	11.50
	9	2452	11.32	11.50

WLAN 2.4 GHz Set 4				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11b	1	2412	10.44	10.50
	6	2437	10.49	10.50
	11	2462	10.48	10.50
802.11g	1	2412	9.40	9.50
	6	2437	9.40	9.50
	11	2462	9.45	9.50
802.11n HT20	1	2412	9.39	9.50
	6	2437	9.46	9.50
	11	2462	9.43	9.50
802.11n HT40	3	2422	8.45	8.50
	6	2437	8.41	8.50
	9	2452	8.39	8.50

WLAN 5.2 GHz Set 0				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	36	5180	15.39	15.50
	40	5200	15.49	15.50
	44	5220	15.31	15.50
	48	5240	15.26	15.50
802.11n HT20	36	5180	13.44	13.50
	40	5200	13.36	13.50
	44	5220	13.35	13.50
	48	5240	13.48	13.50
802.11n HT40	38	5190	13.27	13.50
	46	5230	13.45	13.50
802.11ac VHT20	36	5180	13.47	13.50
	40	5200	13.37	13.50
	44	5220	13.29	13.50
	48	5240	13.48	13.50
802.11ac VHT40	38	5190	13.32	13.50
	46	5230	13.40	13.50
802.11ac VHT80	42	5210	11.84	12.00

WLAN 5.2 GHz Set 1				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	36	5180	18.98	19.00
	40	5200	18.99	19.00
	44	5220	18.70	19.00
	48	5240	18.94	19.00
802.11n HT20	36	5180	18.73	19.00
	40	5200	18.75	19.00
	44	5220	18.87	19.00
	48	5240	18.92	19.00
802.11n HT40	38	5190	17.93	18.00
	46	5230	17.76	18.00
802.11ac VHT20	36	5180	18.81	19.00
	40	5200	18.89	19.00
	44	5220	18.80	19.00
	48	5240	18.91	19.00
802.11ac VHT40	38	5190	17.76	18.00
	46	5230	17.89	18.00
802.11ac VHT80	42	5210	16.95	17.00

WLAN 5.2 GHz Set 2				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	36	5180	9.97	10.00
	40	5200	9.99	10.00
	44	5220	9.93	10.00
	48	5240	9.73	10.00
802.11n HT20	36	5180	8.82	9.00
	40	5200	8.77	9.00
	44	5220	8.87	9.00
	48	5240	8.77	9.00
802.11n HT40	38	5190	8.78	9.00
	46	5230	8.81	9.00
802.11ac VHT20	36	5180	8.80	9.00
	40	5200	8.91	9.00
	44	5220	8.87	9.00
	48	5240	8.85	9.00
802.11ac VHT40	38	5190	8.84	9.00
	46	5230	8.92	9.00
802.11ac VHT80	42	5210	7.89	8.00

WLAN 5.2 GHz Set 3				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	36	5180	14.48	14.50
	40	5200	14.49	14.50
	44	5220	14.34	14.50
	48	5240	14.33	14.50
802.11n HT20	36	5180	12.45	12.50
	40	5200	12.38	12.50
	44	5220	12.38	12.50
	48	5240	12.40	12.50
802.11n HT40	38	5190	12.38	12.50
	46	5230	12.37	12.50
802.11ac VHT20	36	5180	12.44	12.50
	40	5200	12.42	12.50
	44	5220	12.35	12.50
	48	5240	12.37	12.50
802.11ac VHT40	38	5190	12.43	12.50
	46	5230	12.38	12.50
802.11ac VHT80	42	5210	11.93	12.00

WLAN 5.2 GHz Set 4				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	36	5180	10.77	11.00
	40	5200	10.99	11.00
	44	5220	10.96	11.00
	48	5240	10.97	11.00
802.11n HT20	36	5180	9.96	10.00
	40	5200	9.91	10.00
	44	5220	9.95	10.00
	48	5240	9.80	10.00
802.11n HT40	38	5190	9.83	10.00
	46	5230	9.79	10.00
802.11ac VHT20	36	5180	8.91	9.00
	40	5200	8.92	9.00
	44	5220	8.86	9.00
	48	5240	8.93	9.00
802.11ac VHT40	38	5190	9.93	10.00
	46	5230	9.84	10.00
802.11ac VHT80	42	5210	8.96	9.00

WLAN 5.3 GHz Set 0				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	52	5260	15.49	15.50
	56	5280	15.31	15.50
	60	5300	15.23	15.50
	64	5320	15.21	15.50
802.11n HT20	52	5260	13.20	13.50
	56	5280	13.37	13.50
	60	5300	13.27	13.50
	64	5320	13.34	13.50
802.11n HT40	54	5270	13.43	13.50
	62	5310	13.16	13.50
802.11ac VHT20	52	5260	13.28	13.50
	56	5280	13.12	13.50
	60	5300	13.31	13.50
	64	5320	13.36	13.50
802.11ac VHT40	54	5270	13.22	13.50
	62	5310	13.23	13.50
802.11ac VHT80	58	5290	11.64	12.00

WLAN 5.3 GHz Set 1				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	52	5260	18.99	19.00
	56	5280	18.98	19.00
	60	5300	18.97	19.00
	64	5320	18.84	19.00
802.11n HT20	52	5260	18.61	19.00
	56	5280	18.70	19.00
	60	5300	18.69	19.00
	64	5320	18.63	19.00
802.11n HT40	54	5270	17.77	18.00
	62	5310	17.64	18.00
802.11ac VHT20	52	5260	18.64	19.00
	56	5280	18.96	19.00
	60	5300	18.88	19.00
	64	5320	18.61	19.00
802.11ac VHT40	54	5270	17.84	18.00
	62	5310	17.84	18.00
802.11ac VHT80	58	5290	16.90	17.00

WLAN 5.3 GHz Set 2				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	52	5260	9.95	10.00
	56	5280	9.85	10.00
	60	5300	9.88	10.00
	64	5320	9.94	10.00
802.11n HT20	52	5260	8.87	9.00
	56	5280	8.78	9.00
	60	5300	8.84	9.00
	64	5320	8.91	9.00
802.11n HT40	54	5270	8.89	9.00
	62	5310	8.93	9.00
802.11ac VHT20	52	5260	8.91	9.00
	56	5280	8.91	9.00
	60	5300	8.76	9.00
	64	5320	8.65	9.00
802.11ac VHT40	54	5270	8.82	9.00
	62	5310	8.89	9.00
802.11ac VHT80	58	5290	7.92	8.00

WLAN 5.3 GHz Set 3				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	52	5260	14.48	14.50
	56	5280	14.43	14.50
	60	5300	14.41	14.50
	64	5320	14.47	14.50
802.11n HT20	52	5260	12.39	12.50
	56	5280	12.43	12.50
	60	5300	12.44	12.50
	64	5320	12.33	12.50
802.11n HT40	54	5270	12.39	12.50
	62	5310	12.31	12.50
802.11ac VHT20	52	5260	12.38	12.50
	56	5280	12.28	12.50
	60	5300	12.46	12.50
	64	5320	12.11	12.50
802.11ac VHT40	54	5270	12.39	12.50
	62	5310	12.19	12.50
802.11ac VHT80	58	5290	11.83	12.00

WLAN 5.3 GHz Set 4				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	52	5260	10.99	11.00
	56	5280	10.98	11.00
	60	5300	10.97	11.00
	64	5320	10.90	11.00
802.11n HT20	52	5260	9.92	10.00
	56	5280	9.88	10.00
	60	5300	9.74	10.00
	64	5320	9.73	10.00
802.11n HT40	54	5270	9.86	10.00
	62	5310	9.95	10.00
802.11ac VHT20	52	5260	8.75	9.00
	56	5280	8.63	9.00
	60	5300	8.88	9.00
	64	5320	8.68	9.00
802.11ac VHT40	54	5270	9.77	10.00
	62	5310	9.61	10.00
802.11ac VHT80	58	5290	8.74	9.00

WLAN 5.6 GHz Set 0				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	100	5500	15.21	15.50
	116	5580	15.28	15.50
	124	5620	15.46	15.50
	132	5660	15.26	15.50
	140	5700	15.24	15.50
	144	5720	15.47	15.50
802.11n HT20	100	5500	13.40	13.50
	116	5580	13.38	13.50
	124	5620	13.18	13.50
	132	5660	13.11	13.50
	140	5700	13.26	13.50
	144	5720	13.16	13.50
802.11n HT40	102	5510	13.30	13.50
	110	5550	13.31	13.50
	126	5630	13.21	13.50
	134	5670	13.43	13.50
	142	5710	13.17	13.50
802.11ac VHT20	100	5500	13.34	13.50
	116	5580	13.44	13.50
	124	5620	13.20	13.50
	132	5660	13.29	13.50
	140	5700	13.41	13.50
	144	5720	13.37	13.50
802.11ac VHT40	102	5510	13.40	13.50
	110	5550	13.31	13.50
	126	5630	13.14	13.50
	134	5670	13.11	13.50
	142	5710	13.45	13.50
802.11ac VHT80	106	5530	11.95	12.00
	122	5610	11.74	12.00
	138	5690	11.96	12.00

WLAN 5.6 GHz_Set 1				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	100	5500	18.82	19.00
	116	5580	18.98	19.00
	124	5620	18.86	19.00
	132	5660	18.97	19.00
	140	5700	18.98	19.00
	144	5720	18.99	19.00
802.11n HT20	100	5500	18.86	19.00
	116	5580	18.86	19.00
	124	5620	18.83	19.00
	132	5660	18.85	19.00
	140	5700	18.83	19.00
	144	5720	18.84	19.00
802.11n HT40	102	5510	17.95	18.00
	110	5550	17.64	18.00
	126	5630	17.96	18.00
	134	5670	17.64	18.00
	142	5710	17.77	18.00
802.11ac VHT20	100	5500	18.88	19.00
	116	5580	18.90	19.00
	124	5620	18.78	19.00
	132	5660	18.67	19.00
	140	5700	18.94	19.00
	144	5720	18.70	19.00
802.11ac VHT40	102	5510	17.82	18.00
	110	5550	17.86	18.00
	126	5630	17.75	18.00
	134	5670	17.62	18.00
	142	5710	17.91	18.00
802.11ac VHT80	106	5530	16.92	17.00
	122	5610	16.81	17.00
	138	5690	16.70	17.00

WLAN 5.6 GHz_Set 2				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	100	5500	9.93	10.00
	116	5580	9.71	10.00
	124	5620	9.68	10.00
	132	5660	9.98	10.00
	140	5700	9.94	10.00
	144	5720	9.99	10.00
802.11n HT20	100	5500	8.71	9.00
	116	5580	8.88	9.00
	124	5620	8.92	9.00
	132	5660	8.68	9.00
	140	5700	8.84	9.00
	144	5720	8.63	9.00
802.11n HT40	102	5510	8.64	9.00
	110	5550	8.77	9.00
	126	5630	8.88	9.00
	134	5670	8.65	9.00
	142	5710	8.80	9.00
802.11ac VHT20	100	5500	8.85	9.00
	116	5580	8.78	9.00
	124	5620	8.63	9.00
	132	5660	8.75	9.00
	140	5700	8.95	9.00
	144	5720	8.81	9.00
802.11ac VHT40	102	5510	8.92	9.00
	110	5550	8.72	9.00
	126	5630	8.91	9.00
	134	5670	8.64	9.00
	142	5710	8.96	9.00
802.11ac VHT80	106	5530	7.62	8.00
	122	5610	7.73	8.00
	138	5690	7.69	8.00

WLAN 5.6 GHz_Set 3				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	100	5500	14.44	14.50
	116	5580	14.48	14.50
	124	5620	14.36	14.50
	132	5660	14.48	14.50
	140	5700	14.47	14.50
	144	5720	14.49	14.50
802.11n HT20	100	5500	12.38	12.50
	116	5580	12.25	12.50
	124	5620	12.22	12.50
	132	5660	12.18	12.50
	140	5700	12.35	12.50
	144	5720	12.19	12.50
802.11n HT40	102	5510	12.46	12.50
	110	5550	12.43	12.50
	126	5630	12.35	12.50
	134	5670	12.19	12.50
	142	5710	12.36	12.50
802.11ac VHT20	100	5500	12.42	12.50
	116	5580	12.25	12.50
	124	5620	12.17	12.50
	132	5660	12.38	12.50
	140	5700	12.32	12.50
	144	5720	12.41	12.50
802.11ac VHT40	102	5510	12.44	12.50
	110	5550	12.15	12.50
	126	5630	12.38	12.50
	134	5670	12.15	12.50
	142	5710	12.24	12.50
802.11ac VHT80	106	5530	11.62	12.00
	122	5610	11.85	12.00
	138	5690	11.72	12.00

WLAN 5.6 GHz_Set 4				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	100	5500	10.96	11.00
	116	5580	10.96	11.00
	124	5620	10.72	11.00
	132	5660	10.92	11.00
	140	5700	10.93	11.00
	144	5720	10.97	11.00
802.11n HT20	100	5500	9.90	10.00
	116	5580	9.65	10.00
	124	5620	9.89	10.00
	132	5660	9.95	10.00
	140	5700	9.80	10.00
	144	5720	9.68	10.00
802.11n HT40	102	5510	9.86	10.00
	110	5550	9.94	10.00
	126	5630	9.68	10.00
	134	5670	9.83	10.00
	142	5710	9.62	10.00
802.11ac VHT20	100	5500	8.90	9.00
	116	5580	8.86	9.00
	124	5620	8.77	9.00
	132	5660	8.96	9.00
	140	5700	8.80	9.00
	144	5720	8.90	9.00
802.11ac VHT40	102	5510	9.94	10.00
	110	5550	9.88	10.00
	126	5630	9.87	10.00
	134	5670	9.95	10.00
	142	5710	9.78	10.00
802.11ac VHT80	106	5530	8.64	9.00
	122	5610	8.66	9.00
	138	5690	8.78	9.00

WLAN 5.8 GHz Set 0				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	149	5745	15.47	15.50
	157	5785	15.49	15.50
	165	5825	15.48	15.50
802.11n HT20	149	5745	13.21	13.50
	157	5785	13.18	13.50
	165	5825	13.28	13.50
802.11n HT40	151	5755	13.33	13.50
	159	5795	13.36	13.50
802.11ac VHT20	149	5745	13.29	13.50
	157	5785	13.36	13.50
	165	5825	13.11	13.50
802.11ac VHT40	151	5755	13.37	13.50
	159	5795	13.37	13.50
802.11ac VHT80	155	5775	11.90	12.00

WLAN 5.8 GHz Set 1				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	149	5745	18.91	19.00
	157	5785	18.99	19.00
	165	5825	18.98	19.00
802.11n HT20	149	5745	18.68	19.00
	157	5785	18.92	19.00
	165	5825	18.65	19.00
802.11n HT40	151	5755	17.85	18.00
	159	5795	17.71	18.00
802.11ac VHT20	149	5745	18.88	19.00
	157	5785	18.85	19.00
	165	5825	18.77	19.00
802.11ac VHT40	151	5755	17.73	18.00
	159	5795	17.62	18.00
802.11ac VHT80	155	5775	16.84	17.00

WLAN 5.8 GHz Set 2				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	149	5745	9.93	10.00
	157	5785	9.97	10.00
	165	5825	9.75	10.00
802.11n HT20	149	5745	8.61	9.00
	157	5785	8.91	9.00
	165	5825	8.73	9.00
802.11n HT40	151	5755	8.86	9.00
	159	5795	8.85	9.00
802.11ac VHT20	149	5745	8.89	9.00
	157	5785	8.96	9.00
	165	5825	8.92	9.00
802.11ac VHT40	151	5755	8.88	9.00
	159	5795	8.93	9.00
802.11ac VHT80	155	5775	7.89	8.00

WLAN 5.8 GHz Set 3				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	149	5745	14.27	14.50
	157	5785	14.49	14.50
	165	5825	14.48	14.50
802.11n HT20	149	5745	12.45	12.50
	157	5785	12.31	12.50
	165	5825	12.14	12.50
802.11n HT40	151	5755	12.42	12.50
	159	5795	12.15	12.50
802.11ac VHT20	149	5745	12.35	12.50
	157	5785	12.32	12.50
	165	5825	12.14	12.50
802.11ac VHT40	151	5755	12.46	12.50
	159	5795	12.41	12.50
802.11ac VHT80	155	5775	11.78	12.00

WLAN 5.8 GHz Set 4				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
802.11a	149	5745	10.95	11.00
	157	5785	10.96	11.00
	165	5825	10.85	11.00
802.11n HT20	149	5745	9.84	10.00
	157	5785	9.86	10.00
	165	5825	9.82	10.00
802.11n HT40	151	5755	9.82	10.00
	159	5795	9.79	10.00
802.11ac VHT20	149	5745	8.84	9.00
	157	5785	8.84	9.00
	165	5825	8.92	9.00
802.11ac VHT40	151	5755	9.80	10.00
	159	5795	9.92	10.00
802.11ac VHT80	155	5775	8.79	9.00

8.8. Measured Conducted Power Results for Bluetooth

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

The Bluetooth call box has been used during SAR measurement and the DUT was set to DH5 mode at the maximum output power. Its duty factor was calculated as below and the measured SAR for Bluetooth would be scaled to the 100% transmission duty factor to determine compliance.

BT 2.0 / 3.0				
Mode	Channel	Frequency (MHz)	ANT 7	
			Average power (dBm)	Tune-Up Limit (dBm)
BR / EDR 1Mbps (GFSK)	0	2402	11.13	12.00
	39	2441	11.23	12.00
	78	2480	10.76	12.00
BR / EDR 2Mbps (π/4 DQPSK)	0	2402	9.45	10.00
	39	2441	9.66	10.00
	78	2480	9.41	10.00
BR / EDR 3Mbps (8-DPSK)	0	2402	9.53	10.00
	39	2441	9.68	10.00
	78	2480	9.67	10.00
LE 1Mbps (GFSK)	0	2402	0.77	1.00
	19	2440	0.93	1.00
	39	2480	0.69	1.00

The duty factor of Bluetooth signal has been calculated as following.

Mode	Tx Antenna	Pulse Width (ms)	Total Period (ms)	Duty Cycle (%)	Crest Factor (1/Duty Cycle)
GFSK	ANT-1	1	1	100.00%	1

Duty Factor = Pulse Width / Total Period

Time-domain Plot for Bluetooth Antenna-1 Transmission



9. Evaluation for Standalone Transmission Scenario

9.1. Test Notes

General Notes:

- [1] Per KDB 447498 D01, SAR results were scaled to the maximum allowed power to demonstrate compliance. When SAR is not measured at the maximum power level allowed for production units, the measured SAR will be scaled to the maximum tune-up tolerance limit to determine compliance.
- [2] The SAR has been measured with highest transmission duty factor supported by the test mode tools for WLAN and/or Bluetooth. When the transmission duty factor could not achieve 100%, the reported SAR will be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up power.
- [3] The reported SAR was calculated as below:
 - Tune-up Scaling Factor = Maximum Tune-up Limit Power (mW) / Measured Conducted Power (mW)
 - Duty Factor Scaling Factor = 100% / Transmission Duty Cycle (%)
 - WWAN Reported SAR = Measured SAR x Tune-up Scaling Factor
 - WLAN / Bluetooth Reported SAR = Measured SAR x Tune-up Scaling Factor x Duty Cycle Scaling Factor
- [4] Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:
 - 1g SAR $\leq$ 0.8 W/kg or 10g SAR $\leq$ 2.0 W/kg, when the transmission band is $\leq$ 100 MHz
 - 1g SAR $\leq$ 0.6 W/kg or 10g SAR $\leq$ 1.5 W/kg, when the transmission band is between 100 MHz and 200 MHz
 - 1g SAR $\leq$ 0.4 W/kg or 10g SAR $\leq$ 1.0 W/kg, when the transmission band is $\geq$ 200 MHz
- [5] Per KDB Publication 648474 D04, body-worn SAR was evaluated without a headset connected to the device. Since the standalone reported body-worn SAR was $\leq$ 1.2 W/kg, no additional body-worn SAR evaluation with a headset was required.
- [6] Per KDB 865664 D01, variability SAR tests were performed when the measured SAR results for a frequency band were $\geq$ 0.8 W/kg.
- [7] During SAR testing for the wireless router conditions per KDB Publication 941225 D06, the actual portable Hotspot operation (with actual simultaneous transmission of a transmitter with Wi-Fi) was not activated.
- [8] Per KDB Publication 648474 D04, this device is considered as "Phablet" since its overall diagonal dimension is $>$ 16 cm. Therefore, Phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR $>$ 1.2 W/kg.
- [9] Unless otherwise noted, when 10g SAR measurement is considered, a factor of 2.5 is applied to the 1g thresholds for the equivalent test cases.
- [10] Per KDB 648474 D04 v01r03, for smart phones with a display diagonal dimension $>$ 15 cm or an overall diagonal dimension $>$ 16 cm, when hotspot mode applies, 10g extremity SAR is required only for the surfaces and edges with hotspot mode 1g reported SAR $>$ 1.2 W/kg. However, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold. For this device, the bands of LTE B41 , and 5GNR n2 / n8 are required for the product specific (extremity) scenario.

GSM Test Notes:

- [1] Body-Worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.
- [2] Per KDB Publication 941225 D01 and October 2013 TCB Workshop notes, the source-based frame-averaged output power was evaluated for all GPRS/EDGE slot configurations. The configuration with the highest target frame averaged output power was evaluated for hotspot SAR. When the maximum frame-averaged powers are equivalent across two or more slots within 0.25 dB, the configuration with the largest number of time slots was tested.
- [3] Per KDB Publication 447498 D01, if the reported SAR measured at the highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g SAR, testing for other channels is not required for such test configuration.

WCDMA Notes:

- [1] Per KDB Publication 941225 D01, WCDMA mode was tested under RMC 12.2 kbps with TPC bits configured to all "1's". AMR and HSPA SAR was not required per the 3G Test Reduction Procedure.
- [2] The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA is ≤ 0.25 dB higher than RMC 12.2 kbps or when the highest reported SAR of the RMC 12.2 kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA to RMC 12.2 kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement was not required for HSDPA / HSUPA.
- [3] Per KDB Publication 447498 D01, if the reported SAR measured at the highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g SAR, testing for other channels is not required for such test configuration.

LTE Notes:

- [1] Per KDB Publication 941225 D05, for QPSK with 1 RB and 50% RB allocation, LTE test configuration start with the largest channel bandwidth and measure SAR using the RB offset and required test channel combination with the highest maximum output power.
- [2] When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.
- [3] For QPSK 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% RB and 1RB 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.
- [4] The SAR testing for 16QAM is not required due to the output power of 16QAM for each RB allocation configuration is not > 0.5 dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg.
- [5] The SAR testing for smaller bandwidth is not required due to the output power of smaller bandwidth for each RB allocation configuration is not > 0.5 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.
- [6] MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS 36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

- [7] A-MPR was disabled for all SAR tests by setting NS=01 and MCC=001 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
- [8] Per KDB Publication 447498 D01, when the reported 1g SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for LTE B41 / B48, testing at the other channels was required for such test configurations.
- [9] TDD-LTE was tested per the guidance provided in KDB Publication 941225 D05. Testing was performed using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP TS 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.
- [10] This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure conditions.
- [11] LTE band 2 / 4 / 5 / 17 / 38 SAR test was covered by band 25 / 66 / 26 / 12 / 41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if the maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion, and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

NR Notes:

- [1] SAR measurement is not required for the $\pi/2$ BPSK, 16QAM, 64QAM and 256QAM when the highest maximum output power is $\leq$ 0.5 dB higher than the QPSK or when the reported SAR for the QPSK configuration is $\leq$ 1.45 W/kg.
- [2] NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands acting as anchor bands. Per FCC guidance, SAR tests for NR bands and LTE anchors bands were performed separately due to limitations in SAR probe calibration factors.
- [3] Due to test setup limitations, SAR testing for NR TDD was performed using test mode software to establish the connection.
- [4] Per FCC Guidance, NR modulations and RB Sizes / Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
- [5] NR band 38 SAR test was covered by band 41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if the maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion, and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.
- [6] For EN-DC operations, the maximum conducted power for both LTE and NR components is lower than their respective standalone power levels. Consequently, the EN-DC SAR values are evaluated by scaling down the standalone SAR results based on the ratio of the EN-DC conducted power to the standalone conducted power. This approach ensures a conservative assessment of the simultaneous transmission SAR while reflecting the actual power limits of the device in EN-DC mode.

WLAN Notes:

- [1] Per KDB Publication 248227 D01, for held-to-ear, hotspot, and phablet (mini-tablet) operations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When reported 1g SAR for the initial test position is ≤ 0.4 W/kg, no additional testing for the remaining test positions was required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
- [2] For 2.4 GHz Wi-Fi single transmission chain operations, the highest measured maximum output power channel of 802.11b for DSSS was selected for SAR measurement. SAR for OFDM modes (802.11g/n/ax) was not required due to the highest reported SAR for DSSS adjusted by the ratio of OFDM to DSSS specified maximum output power is ≤ 1.2 W/kg.
- [3] For 5 GHz Wi-Fi operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission modes were not investigated since the highest reported 1g SAR for initial test configuration adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power is 1.2 W/kg.
- [4] SAR testing for U-NII-1 is not required due to the highest reported SAR for U-NII-2A is ≤ 1.2 W/kg.
- [5] When the maximum reported 1g averaged SAR is ≤ 0.8 W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was ≤ 1.20 W/kg for 1g evaluations or all test channels were measured.
- [6] SAR for MIMO mode was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D01 by either evaluating the sum of the 1g SAR values of each antenna transmitting independently or making a SAR measurement with both antennas transmitting simultaneously.
- [7] For scaling factor determination of the reported SAR of MIMO mode, if the hot spots are separated the scaling factors are individually determined from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain.
- [8] The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100 % transmission duty factor to determine compliance.
- [9] When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

Bluetooth Notes

- [1] Bluetooth SAR was measured with the device connected to a callbox with hopping disabled with DH5 operation and Tx Tests test mode type. Per October 2016 TCB Workshop guidance, the reported SAR was scaled to the 78% transmission duty factor for Bluetooth and 86% transmission duty factor for Bluetooth LE to determine compliance.
- [2] Head and Hotspot Bluetooth SAR were evaluated for BT BDR tethering applications.
- [3] The highest frame average power configurations for both Bluetooth and Bluetooth LE were evaluated for SAR. The worst-case configuration was used for the remaining test positions as the most conservative scenario.
- [4] SAR measurement is not required for the 8PSK, BLE, and HDR. When the secondary mode is ≤ 0.25 dB higher than the primary mode.

NFC Note:

- [1] When the NFC function operates under normal working conditions, the typical usage posture is defined as the device surface being in direct 0 mm contact with human extremities (e.g., palms, wrists, forearms). To fully evaluate the maximum radiation scenario of the NFC transmitter, the 0 mm extremity 10g SAR measurement was performed. The test positions comprehensively cover the front and back surfaces of the device, as well as all edges of the device.
- [2] NFC SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.
- [3] NFC 13.56 MHz antenna port is not available on the device to support conducted power measurement. Therefore, the measured results are referred to be as reported SAR.
- [4] NFC SAR testing tissue-simulating liquid parameter was referred to IEC/IEEE 62209-1528:2020.

9.2. Measured and Reported SAR Results for Head

Index.	Band	Modulation	Test Position	Channel	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR _{1g} (W/kg)	Reported SAR _{1g} (W/kg)
1	GSM850	GPRS 2TX Slot	Right Cheek	189	Ant 0	1	1	0.09	29.13	30	1.222	0.963	1.18
	GSM850	GPRS 2TX Slot	Right Tilted	189	Ant 0	1	1	0.18	29.13	30	1.222	0.929	1.14
	GSM850	GPRS 2TX Slot	Left Cheek	189	Ant 0	1	1	0.08	29.13	30	1.222	0.861	1.05
	GSM850	GPRS 2TX Slot	Left Tilted	189	Ant 0	1	1	-0.13	29.13	30	1.222	0.712	0.87
	GSM850	GPRS 2TX Slot	Right Cheek	128	Ant 0	1	1	0.02	28.87	30	1.297	0.861	1.12
	GSM850	GPRS 2TX Slot	Right Cheek	251	Ant 0	1	1	-0.07	29.08	30	1.236	0.844	1.04
	GSM850	GPRS 2TX Slot	Right Tilted	128	Ant 0	1	1	-0.04	28.87	30	1.297	0.83	1.08
	GSM850	GPRS 2TX Slot	Right Tilted	251	Ant 0	1	1	0.01	29.08	30	1.236	0.814	1.01
	GSM850	GPRS 2TX Slot	Left Cheek	128	Ant 0	1	1	0	28.87	30	1.297	0.769	1.00
	GSM850	GPRS 2TX Slot	Left Cheek	251	Ant 0	1	1	-0.15	29.08	30	1.236	0.754	0.93
	GSM850	GPRS 2TX Slot	Left Tilted	128	Ant 0	1	1	-0.18	28.87	30	1.297	0.636	0.83
	GSM850	GPRS 2TX Slot	Left Tilted	251	Ant 0	1	1	-0.13	29.08	30	1.236	0.624	0.77
	GSM850	GPRS 2TX Slot	Right Cheek	189	Ant 0	2	1	-0.05	29.13	30	1.222	0.907	1.11
	GSM850	GPRS 2TX Slot	Right Cheek	189	Ant 0	1	1	0.11	29.13	30	1.222	0.939	1.15
	GSM1900	GPRS 2TX Slot	Right Cheek	810	Ant 2	1	1	0.11	23.96	25	1.271	0.202	0.26
	GSM1900	GPRS 2TX Slot	Right Tilted	810	Ant 2	1	1	0.02	23.96	25	1.271	0.183	0.23
2	GSM1900	GPRS 2TX Slot	Left Cheek	810	Ant 2	1	1	-0.17	23.96	25	1.271	0.553	0.70
	GSM1900	GPRS 2TX Slot	Left Tilted	810	Ant 2	1	1	-0.04	23.96	25	1.271	0.216	0.27
	GSM1900	GPRS 2TX Slot	Right Cheek	512	Ant 2	1	1	0.09	23.78	25	1.324	0.606	0.80
	GSM1900	GPRS 2TX Slot	Left Cheek	661	Ant 2	1	1	0.03	23.92	25	1.282	0.528	0.68
	GSM1900	GPRS 2TX Slot	Right Cheek	512	Ant 2	2	1	0.08	23.78	25	1.324	0.573	0.76
	WCDMA II	RMC12.2K	Right Cheek	9400	Ant 2	1	1	0.07	20.47	20.5	1.007	0.289	0.29
	WCDMA II	RMC12.2K	Right Tilted	9400	Ant 2	1	1	0.02	20.47	20.5	1.007	0.263	0.26
	WCDMA II	RMC12.2K	Left Cheek	9400	Ant 2	1	1	0.14	20.47	20.5	1.007	0.788	0.79
	WCDMA II	RMC12.2K	Left Tilted	9400	Ant 2	1	1	0.11	20.47	20.5	1.007	0.308	0.31
	WCDMA II	RMC12.2K	Left Cheek	9262	Ant 2	1	1	-0.11	20.46	20.5	1.009	0.824	0.83
	WCDMA II	RMC12.2K	Left Cheek	9538	Ant 2	1	1	0.17	20.44	20.5	1.014	0.75	0.76
	WCDMA II	RMC12.2K	Left Cheek	9262	Ant 2	2	1	0.17	20.46	20.5	1.009	0.785	0.79
	WCDMA II	RMC12.2K	Left Cheek	9262	Ant 2	1	1	0.04	20.46	20.5	1.009	0.808	0.82
	WCDMA IV	RMC12.2K	Right Cheek	1413	Ant 2	1	1	-0.06	20.97	21	1.007	0.343	0.35
	WCDMA IV	RMC12.2K	Right Tilted	1413	Ant 2	1	1	0.01	20.97	21	1.007	0.313	0.32
	WCDMA IV	RMC12.2K	Left Cheek	1413	Ant 2	1	1	0.08	20.97	21	1.007	0.938	0.94
3	WCDMA IV	RMC12.2K	Left Tilted	1413	Ant 2	1	1	0.16	20.97	21	1.007	0.366	0.37
	WCDMA IV	RMC12.2K	Left Cheek	1312	Ant 2	1	1	0.18	20.95	21	1.012	0.831	0.84
	WCDMA IV	RMC12.2K	Left Cheek	1513	Ant 2	1	1	-0.09	20.89	21	1.026	1.05	1.08
	WCDMA IV	RMC12.2K	Left Cheek	1513	Ant 2	2	1	0.13	20.89	21	1.026	1	1.03
	WCDMA IV	RMC12.2K	Left Cheek	1513	Ant 2	1	1	-0.06	20.89	21	1.026	1.02	1.05
	WCDMA V	RMC12.2K	Right Cheek	4182	Ant 0	1	1	-0.16	23.98	24	1.005	0.813	0.82
	WCDMA V	RMC12.2K	Right Tilted	4182	Ant 0	1	1	-0.17	23.98	24	1.005	0.791	0.79
	WCDMA V	RMC12.2K	Left Cheek	4182	Ant 0	1	1	0.17	23.98	24	1.005	0.734	0.74
	WCDMA V	RMC12.2K	Left Tilted	4182	Ant 0	1	1	0.14	23.98	24	1.005	0.602	0.60
	WCDMA V	RMC12.2K	Right Cheek	4132	Ant 0	1	1	0.07	23.97	24	1.007	0.822	0.83
	WCDMA V	RMC12.2K	Right Cheek	4233	Ant 0	1	1	-0.03	23.96	24	1.009	0.803	0.81
	WCDMA V	RMC12.2K	Right Cheek	4132	Ant 0	2	1	-0.04	23.97	24	1.007	0.783	0.79
	WCDMA V	RMC12.2K	Right Cheek	4132	Ant 0	1	1	-0.15	23.97	24	1.007	0.801	0.81
	WCDMA V	RMC12.2K	Right Cheek	4132	Ant 0	1	1	-0.15	23.97	24	1.007	0.801	0.81
	WCDMA V	RMC12.2K	Right Cheek	4132	Ant 0	1	1	-0.15	23.97	24	1.007	0.801	0.81

Index	Band	Modulation	Test Position	Channel	RB Size	RB Offset	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR ₁₀ (W/kg)	Reported SAR ₁₀ (W/kg)
ENDC															
	LTE 2	QPSK20M	Right Cheek	18900	1	0	Ant 1	1	1	0.03	22.93	24	1.279	0.088	0.11
	LTE 2	QPSK20M	Right Tilted	18900	1	0	Ant 1	1	1	-0.15	22.93	24	1.279	0.043	0.06
	LTE 2	QPSK20M	Left Cheek	18900	1	0	Ant 1	1	1	0.1	22.93	24	1.279	0.05	0.06
	LTE 2	QPSK20M	Left Tilted	18900	1	0	Ant 1	1	1	0.09	22.93	24	1.279	0.038	0.05
	LTE 2	QPSK20M	Right Cheek	18900	50	0	Ant 1	1	1	0.01	21.87	23	1.297	0.071	0.09
	LTE 2	QPSK20M	Right Tilted	18900	50	0	Ant 1	1	1	0.09	21.87	23	1.297	0.034	0.04
	LTE 2	QPSK20M	Left Cheek	18900	50	0	Ant 1	1	1	-0.04	21.87	23	1.297	0.04	0.05
	LTE 2	QPSK20M	Left Tilted	18900	50	0	Ant 1	1	1	-0.12	21.87	23	1.297	0.03	0.04
6	LTE 2	QPSK20M	Right Cheek	18700	1	0	Ant 1	1	1	0	22.76	24	1.330	0.095	0.13
	LTE 2	QPSK20M	Right Cheek	18700	1	0	Ant 1	2	1	0	22.76	24	1.330	0.089	0.12
	LTE 2	QPSK20M	Right Cheek	19100	1	0	Ant 1	1	1	0	22.91	24	1.285	0.089	0.11
SA															
	LTE 7	QPSK20M	Right Cheek	20850	1	0	Ant 4	1	1	-0.02	17.99	18	1.002	0.397	0.40
	LTE 7	QPSK20M	Right Tilted	20850	1	0	Ant 4	1	1	0.06	17.99	18	1.002	0.14	0.14
	LTE 7	QPSK20M	Left Cheek	20850	1	0	Ant 4	1	1	-0.16	17.99	18	1.002	0.139	0.14
	LTE 7	QPSK20M	Left Tilted	20850	1	0	Ant 4	1	1	0.11	17.99	18	1.002	0.085	0.09
	LTE 7	QPSK20M	Right Cheek	20850	50	0	Ant 4	1	1	-0.05	17.86	18	1.033	0.378	0.39
	LTE 7	QPSK20M	Right Tilted	20850	50	0	Ant 4	1	1	0.08	17.86	18	1.033	0.127	0.13
	LTE 7	QPSK20M	Left Cheek	20850	50	0	Ant 4	1	1	0.12	17.86	18	1.033	0.127	0.13
	LTE 7	QPSK20M	Left Tilted	20850	50	0	Ant 4	1	1	0.1	17.86	18	1.033	0.077	0.08
	LTE 7	QPSK20M	Right Cheek	21100	1	0	Ant 4	1	1	-0.17	17.92	18	1.019	0.451	0.46
7	LTE 7	QPSK20M	Right Cheek	21350	1	0	Ant 4	1	1	-0.16	17.9	18	1.023	0.519	0.53
	LTE 7	QPSK20M	Right Cheek	21350	1	0	Ant 4	2	1	0.15	17.9	18	1.023	0.495	0.51
	CA_7C	QPSK20M	Right Cheek	PCC:21350 SCC:21152	PCC:1 SCC:99	PCC:0 SCC:99	Ant 4	1	1	0.06	17.92	18	1.019	0.475	0.48
ENDC & Inter Band UL CA															
	LTE 7	QPSK20M	Right Cheek	20850	1	0	Ant 4	1	1	-0.02	17.99	16	0.632	0.397	0.25
	LTE 7	QPSK20M	Right Tilted	20850	1	0	Ant 4	1	1	0.06	17.99	16	0.632	0.14	0.09
	LTE 7	QPSK20M	Left Cheek	20850	1	0	Ant 4	1	1	-0.16	17.99	16	0.632	0.139	0.09
	LTE 7	QPSK20M	Left Tilted	20850	1	0	Ant 4	1	1	0.11	17.99	16	0.632	0.085	0.05
	LTE 7	QPSK20M	Right Cheek	20850	50	0	Ant 4	1	1	-0.05	17.86	16	0.652	0.378	0.25
	LTE 7	QPSK20M	Right Tilted	20850	50	0	Ant 4	1	1	0.08	17.86	16	0.652	0.127	0.08
	LTE 7	QPSK20M	Left Cheek	20850	50	0	Ant 4	1	1	0.12	17.86	16	0.652	0.127	0.08
	LTE 7	QPSK20M	Left Tilted	20850	50	0	Ant 4	1	1	0.1	17.86	16	0.652	0.077	0.05
	LTE 7	QPSK20M	Right Cheek	21100	1	0	Ant 4	1	1	-0.17	17.92	16	0.643	0.451	0.29
	LTE 7	QPSK20M	Right Cheek	21350	1	0	Ant 4	1	1	-0.16	17.9	16	0.646	0.519	0.34
	LTE 7	QPSK20M	Right Cheek	21350	1	0	Ant 4	2	1	0.15	17.9	16	0.646	0.495	0.32
SA															
8	LTE 12	QPSK10M	Right Cheek	23060	1	0	Ant 0	1	1	0.07	23.77	24.5	1.183	0.671	0.79
	LTE 12	QPSK10M	Right Tilted	23060	1	0	Ant 0	1	1	-0.04	23.77	24.5	1.183	0.66	0.78
	LTE 12	QPSK10M	Left Cheek	23060	1	0	Ant 0	1	1	0.07	23.77	24.5	1.183	0.606	0.72
	LTE 12	QPSK10M	Left Tilted	23060	1	0	Ant 0	1	1	0.02	23.77	24.5	1.183	0.496	0.59
	LTE 12	QPSK10M	Right Cheek	23060	25	0	Ant 0	1	1	-0.11	23.01	23.5	1.119	0.57	0.64
	LTE 12	QPSK10M	Right Tilted	23060	25	0	Ant 0	1	1	0.14	23.01	23.5	1.119	0.561	0.63
	LTE 12	QPSK10M	Left Cheek	23060	25	0	Ant 0	1	1	-0.09	23.01	23.5	1.119	0.515	0.58
	LTE 12	QPSK10M	Left Tilted	23060	25	0	Ant 0	1	1	0.17	23.01	23.5	1.119	0.422	0.47
	LTE 12	QPSK10M	Right Cheek	23095	1	0	Ant 0	1	1	-0.06	23.74	24.5	1.191	0.649	0.77
	LTE 12	QPSK10M	Right Cheek	23130	1	0	Ant 0	1	1	0.18	23.75	24.5	1.189	0.642	0.76
	LTE 12	QPSK10M	Right Cheek	23060	1	0	Ant 0	2	1	-0.07	23.77	24.5	1.183	0.643	0.76
ENDC & Inter Band UL CA															
	LTE 12	QPSK10M	Right Cheek	23060	1	0	Ant 0	1	1	0.07	23.77	21.5	0.593	0.671	0.40
	LTE 12	QPSK10M	Right Tilted	23060	1	0	Ant 0	1	1	-0.04	23.77	21.5	0.593	0.66	0.39
	LTE 12	QPSK10M	Left Cheek	23060	1	0	Ant 0	1	1	0.07	23.77	21.5	0.593	0.606	0.36
	LTE 12	QPSK10M	Left Tilted	23060	1	0	Ant 0	1	1	0.02	23.77	21.5	0.593	0.496	0.29
	LTE 12	QPSK10M	Right Cheek	23060	25	0	Ant 0	1	1	-0.11	23.01	21.5	0.706	0.57	0.40
	LTE 12	QPSK10M	Right Tilted	23060	25	0	Ant 0	1	1	0.14	23.01	21.5	0.706	0.561	0.40
	LTE 12	QPSK10M	Left Cheek	23060	25	0	Ant 0	1	1	-0.09	23.01	21.5	0.706	0.515	0.36
	LTE 12	QPSK10M	Left Tilted	23060	25	0	Ant 0	1	1	0.17	23.01	21.5	0.706	0.422	0.30
	LTE 12	QPSK10M	Right Cheek	23095	1	0	Ant 0	1	1	-0.06	23.74	21.5	0.597	0.649	0.39
	LTE 12	QPSK10M	Right Cheek	23130	1	0	Ant 0	1	1	0.18	23.75	21.5	0.596	0.642	0.38
	LTE 12	QPSK10M	Right Cheek	23060	1	0	Ant 0	2	1	-0.07	23.77	21.5	0.593	0.643	0.38
SA															
9	LTE 13	QPSK10M	Right Cheek	23230	1	0	Ant 0	1	1	0.02	23.58	24.5	1.236	0.674	0.83
	LTE 13	QPSK10M	Right Tilted	23230	1	0	Ant 0	1	1	0.19	23.58	24.5	1.236	0.662	0.82
	LTE 13	QPSK10M	Left Cheek	23230	1	0	Ant 0	1	1	-0.03	23.58	24.5	1.236	0.608	0.75
	LTE 13	QPSK10M	Left Tilted	23230	1	0	Ant 0	1	1	-0.07	23.58	24.5	1.236	0.498	0.62
	LTE 13	QPSK10M	Right Cheek	23230	25	0	Ant 0	1	1	-0.05	22.85	23.5	1.161	0.573	0.67
	LTE 13	QPSK10M	Right Tilted	23230	25	0	Ant 0	1	1	0.18	22.85	23.5	1.161	0.563	0.65
	LTE 13	QPSK10M	Left Cheek	23230	25	0	Ant 0	1	1	0.13	22.85	23.5	1.161	0.517	0.60
	LTE 13	QPSK10M	Left Tilted	23230	25	0	Ant 0	1	1	0.04	22.85	23.5	1.161	0.424	0.49
	LTE 13	QPSK10M	Right Cheek	23230	50	0	Ant 0	1	1	-0.1	22.79	23.5	1.178	0.567	0.67
	LTE 13	QPSK10M	Right Tilted	23230	50	0	Ant 0	1	1	0.09	22.79	23.5	1.178	0.557	0.66
	LTE 13	QPSK10M	Right Cheek	23230	1	0	Ant 0	2	1	-0.07	23.58	24.5	1.236	0.634	0.78

Index	Band	Modulation	Test Position	Channel	RB Size	RB Offset	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR ₁₀ (W/kg)	Reported SAR ₁₀ (W/kg)
SA															
10	LTE 14	QPSK10M	Right Cheek	23330	1	0	Ant 0	1	1	0.08	23.22	24	1.197	0.578	0.69
	LTE 14	QPSK10M	Right Tilted	23330	1	0	Ant 0	1	1	0.02	23.22	24	1.197	0.568	0.68
	LTE 14	QPSK10M	Left Cheek	23330	1	0	Ant 0	1	1	0.11	23.22	24	1.197	0.521	0.62
	LTE 14	QPSK10M	Left Tilted	23330	1	0	Ant 0	1	1	-0.13	23.22	24	1.197	0.427	0.51
	LTE 14	QPSK10M	Right Cheek	23330	25	0	Ant 0	1	1	-0.11	22.44	23	1.138	0.473	0.54
	LTE 14	QPSK10M	Right Tilted	23330	25	0	Ant 0	1	1	-0.11	22.44	23	1.138	0.465	0.53
	LTE 14	QPSK10M	Left Cheek	23330	25	0	Ant 0	1	1	-0.12	22.44	23	1.138	0.427	0.49
	LTE 14	QPSK10M	Left Tilted	23330	25	0	Ant 0	1	1	0.08	22.44	23	1.138	0.35	0.40
	LTE 14	QPSK10M	Right Cheek	23330	1	0	Ant 0	2	1	-0.19	23.22	24	1.197	0.553	0.66
ENDC															
	LTE 14	QPSK10M	Right Cheek	23330	1	0	Ant 0	1	1	0.08	23.22	21.5	0.673	0.578	0.39
	LTE 14	QPSK10M	Right Tilted	23330	1	0	Ant 0	1	1	0.02	23.22	21.5	0.673	0.568	0.38
	LTE 14	QPSK10M	Left Cheek	23330	1	0	Ant 0	1	1	0.11	23.22	21.5	0.673	0.521	0.35
	LTE 14	QPSK10M	Left Tilted	23330	1	0	Ant 0	1	1	-0.13	23.22	21.5	0.673	0.427	0.29
	LTE 14	QPSK10M	Right Cheek	23330	25	0	Ant 0	1	1	-0.11	22.44	21.5	0.805	0.473	0.38
	LTE 14	QPSK10M	Right Tilted	23330	25	0	Ant 0	1	1	-0.11	22.44	21.5	0.805	0.465	0.37
	LTE 14	QPSK10M	Left Cheek	23330	25	0	Ant 0	1	1	-0.12	22.44	21.5	0.805	0.427	0.34
	LTE 14	QPSK10M	Left Tilted	23330	25	0	Ant 0	1	1	0.08	22.44	21.5	0.805	0.35	0.28
	LTE 14	QPSK10M	Right Cheek	23330	1	0	Ant 0	2	1	-0.19	23.22	21.5	0.673	0.553	0.37
SA															
	LTE 25	QPSK20M	Right Cheek	26365	1	0	Ant 2	1	1	0.03	18.99	19	1.002	0.18	0.18
	LTE 25	QPSK20M	Right Tilted	26365	1	0	Ant 2	1	1	0.11	18.99	19	1.002	0.164	0.16
	LTE 25	QPSK20M	Left Cheek	26365	1	0	Ant 2	1	1	-0.12	18.99	19	1.002	0.49	0.49
	LTE 25	QPSK20M	Left Tilted	26365	1	0	Ant 2	1	1	0.12	18.99	19	1.002	0.191	0.19
	LTE 25	QPSK20M	Right Cheek	26365	50	0	Ant 2	1	1	0.08	18.69	19	1.074	0.177	0.19
	LTE 25	QPSK20M	Right Tilted	26365	50	0	Ant 2	1	1	0.08	18.69	19	1.074	0.165	0.18
	LTE 25	QPSK20M	Left Cheek	26365	50	0	Ant 2	1	1	0.14	18.69	19	1.074	0.451	0.48
	LTE 25	QPSK20M	Left Tilted	26365	50	0	Ant 2	1	1	0.19	18.69	19	1.074	0.192	0.21
11	LTE 25	QPSK20M	Left Cheek	26140	1	0	Ant 2	1	1	0.16	18.96	19	1.009	0.52	0.52
	LTE 25	QPSK20M	Left Cheek	26590	1	0	Ant 2	1	1	0.18	18.92	19	1.019	0.483	0.49
	LTE 25	QPSK20M	Left Cheek	26140	1	0	Ant 2	2	1	-0.17	18.96	19	1.009	0.498	0.50
ENDC & Inter Band UL CA															
	LTE 25	QPSK20M	Right Cheek	26365	1	0	Ant 2	1	1	0.03	18.99	17	0.632	0.18	0.11
	LTE 25	QPSK20M	Right Tilted	26365	1	0	Ant 2	1	1	0.11	18.99	17	0.632	0.164	0.10
	LTE 25	QPSK20M	Left Cheek	26365	1	0	Ant 2	1	1	-0.12	18.99	17	0.632	0.49	0.31
	LTE 25	QPSK20M	Left Tilted	26365	1	0	Ant 2	1	1	0.12	18.99	17	0.632	0.191	0.12
	LTE 25	QPSK20M	Right Cheek	26365	50	0	Ant 2	1	1	0.08	18.69	17	0.678	0.177	0.12
	LTE 25	QPSK20M	Right Tilted	26365	50	0	Ant 2	1	1	0.08	18.69	17	0.678	0.165	0.11
	LTE 25	QPSK20M	Left Cheek	26365	50	0	Ant 2	1	1	0.14	18.69	17	0.678	0.451	0.31
	LTE 25	QPSK20M	Left Tilted	26365	50	0	Ant 2	1	1	0.19	18.69	17	0.678	0.192	0.13
	LTE 25	QPSK20M	Left Cheek	26140	1	0	Ant 2	1	1	0.16	18.96	17	0.637	0.52	0.33
	LTE 25	QPSK20M	Left Cheek	26590	1	0	Ant 2	1	1	0.18	18.92	17	0.643	0.483	0.31
	LTE 25	QPSK20M	Left Cheek	26140	1	0	Ant 2	2	1	-0.17	18.96	17	0.637	0.498	0.32
SA															
12	LTE 26	QPSK15M	Right Cheek	26865	1	0	Ant 0	1	1	0.14	23.14	24.5	1.368	0.752	1.03
	LTE 26	QPSK15M	Right Tilted	26865	1	0	Ant 0	1	1	0.16	23.14	24.5	1.368	0.732	1.00
	LTE 26	QPSK15M	Left Cheek	26865	1	0	Ant 0	1	1	0.03	23.14	24.5	1.368	0.68	0.93
	LTE 26	QPSK15M	Left Tilted	26865	1	0	Ant 0	1	1	-0.07	23.14	24.5	1.368	0.548	0.75
	LTE 26	QPSK15M	Right Cheek	26865	36	0	Ant 0	1	1	-0.18	22.44	23.5	1.276	0.614	0.78
	LTE 26	QPSK15M	Right Tilted	26865	36	0	Ant 0	1	1	0.13	22.44	23.5	1.276	0.604	0.77
	LTE 26	QPSK15M	Left Cheek	26865	36	0	Ant 0	1	1	-0.02	22.44	23.5	1.276	0.554	0.71
	LTE 26	QPSK15M	Left Tilted	26865	36	0	Ant 0	1	1	-0.18	22.44	23.5	1.276	0.454	0.58
	LTE 26	QPSK15M	Right Cheek	26865	75	0	Ant 0	1	1	0.06	22.39	23.5	1.291	0.598	0.77
	LTE 26	QPSK15M	Right Tilted	26865	75	0	Ant 0	1	1	-0.02	22.39	23.5	1.291	0.548	0.71
	LTE 26	QPSK15M	Left Cheek	26865	75	0	Ant 0	1	1	-0.17	22.39	23.5	1.291	0.449	0.58
	LTE 26	QPSK15M	Right Cheek	26765	1	0	Ant 0	1	1	0.15	23.03	24.5	1.403	0.716	1.00
	LTE 26	QPSK15M	Right Cheek	26965	1	0	Ant 0	1	1	-0.02	23.01	24.5	1.409	0.7	0.99
	LTE 26	QPSK15M	Right Tilted	26765	1	0	Ant 0	1	1	-0.08	23.03	24.5	1.403	0.696	0.98
	LTE 26	QPSK15M	Right Tilted	26965	1	0	Ant 0	1	1	0.12	23.01	24.5	1.409	0.681	0.96
	LTE 26	QPSK15M	Left Cheek	26765	1	0	Ant 0	1	1	-0.03	23.03	24.5	1.403	0.647	0.91
	LTE 26	QPSK15M	Left Cheek	26965	1	0	Ant 0	1	1	-0.18	23.01	24.5	1.409	0.632	0.89
	LTE 26	QPSK15M	Right Cheek	26865	1	0	Ant 0	2	1	0.11	23.14	24.5	1.368	0.717	0.98
ENDC & Inter Band UL CA															
	LTE 26	QPSK15M	Right Cheek	26865	1	0	Ant 0	1	1	0.14	23.14	21.5	0.685	0.752	0.52
	LTE 26	QPSK15M	Right Tilted	26865	1	0	Ant 0	1	1	0.16	23.14	21.5	0.685	0.732	0.50
	LTE 26	QPSK15M	Left Cheek	26865	1	0	Ant 0	1	1	0.03	23.14	21.5	0.685	0.68	0.47
	LTE 26	QPSK15M	Left Tilted	26865	1	0	Ant 0	1	1	-0.07	23.14	21.5	0.685	0.548	0.38
	LTE 26	QPSK15M	Right Cheek	26865	36	0	Ant 0	1	1	-0.18	22.44	21.5	0.805	0.614	0.49
	LTE 26	QPSK15M	Right Tilted	26865	36	0	Ant 0	1	1	0.13	22.44	21.5	0.805	0.604	0.49
	LTE 26	QPSK15M	Left Cheek	26865	36	0	Ant 0	1	1	-0.02	22.44	21.5	0.805	0.554	0.45
	LTE 26	QPSK15M	Left Tilted	26865	36	0	Ant 0	1	1	-0.18	22.44	21.5	0.805	0.454	0.37
	LTE 26	QPSK15M	Right Cheek	26865	75	0	Ant 0	1	1	0.06	22.39	21.5	0.815	0.598	0.49
	LTE 26	QPSK15M	Right Tilted	26865	75	0	Ant 0	1	1	-0.02	22.39	21.5	0.815	0.548	0.45
	LTE 26	QPSK15M	Left Cheek	26865	75	0	Ant 0	1	1	-0.17	22.39	21.5	0.815	0.449	0.37
	LTE 26	QPSK15M	Right Cheek	26765	1	0	Ant 0	1	1	0.15	23.03	21.5	0.703	0.716	0.50
	LTE 26	QPSK15M	Right Cheek	26965	1	0	Ant 0	1	1	-0.02	23.01	21.5	0.706	0.7	0.49
	LTE 26	QPSK15M	Right Tilted	26765	1	0	Ant 0	1	1	-0.08	23.03	21.5	0.703	0.696	0.49
	LTE 26	QPSK15M	Right Tilted	26965	1	0	Ant 0	1	1	0.12	23.01	21.5	0.706	0.681	0.48
	LTE 26	QPSK15M	Left Cheek	26765	1	0	Ant 0	1	1	-0.03	23.03	21.5	0.703	0.647	0.45
	LTE 26	QPSK15M	Left Cheek	26965	1	0	Ant 0	1	1	-0.18	23.01	21.5	0.706	0.632	0.45
	LTE 26	QPSK15M	Right Cheek	26865	1	0	Ant 0	2	1	0.11	23.14	21.5	0.685	0.717	0.49

Index	Band	Modulation	Test Position	Channel	RB Size	RB Offset	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR ₁₀ (W/kg)	Reported SAR ₁₀ (W/kg)
SA & ENDC															
13	LTE 30	QPSK10M	Right Cheek	27710	1	0	Ant 6	1	1	-0.17	19.98	20	1.005	0.44	0.44
	LTE 30	QPSK10M	Right Tilted	27710	1	0	Ant 6	1	1	0	19.98	20	1.005	0.22	0.22
	LTE 30	QPSK10M	Left Cheek	27710	1	0	Ant 6	1	1	0.14	19.98	20	1.005	0.157	0.16
	LTE 30	QPSK10M	Left Tilted	27710	1	0	Ant 6	1	1	-0.04	19.98	20	1.005	0.098	0.10
	LTE 30	QPSK10M	Right Cheek	27710	25	0	Ant 6	1	1	-0.07	19.82	20	1.042	0.414	0.43
	LTE 30	QPSK10M	Right Tilted	27710	25	0	Ant 6	1	1	0.18	19.82	20	1.042	0.213	0.22
	LTE 30	QPSK10M	Left Cheek	27710	25	0	Ant 6	1	1	-0.03	19.82	20	1.042	0.153	0.16
	LTE 30	QPSK10M	Left Tilted	27710	25	0	Ant 6	1	1	0.16	19.82	20	1.042	0.095	0.10
	LTE 30	QPSK10M	Right Cheek	27710	1	0	Ant 6	2	1	0.14	19.98	20	1.005	0.415	0.42

Index	Band	Modulation	Test Position	Channel	RB Size	RB Offset	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	Duty Cycle (%)	SAR _{1.0} (W/kg)	Reported SAR _{1.0} (W/kg)
SA & ENDC																
	LTE 41	QPSK20M	Right Cheek	40185	1	0	Ant 4	1	1	-0.18	18.88	19	1.028	62.90	0.587	0.60
	LTE 41	QPSK20M	Right Tilted	40185	1	0	Ant 4	1	1	-0.11	18.88	19	1.028	62.90	0.209	0.21
	LTE 41	QPSK20M	Left Cheek	40185	1	0	Ant 4	1	1	0.07	18.88	19	1.028	62.90	0.205	0.21
	LTE 41	QPSK20M	Left Tilted	40185	1	0	Ant 4	1	1	-0.09	18.88	19	1.028	62.90	0.125	0.13
	LTE 41	QPSK20M	Right Cheek	40185	50	0	Ant 4	1	1	0.06	18.72	19	1.067	62.90	0.559	0.60
	LTE 41	QPSK20M	Right Tilted	40185	50	0	Ant 4	1	1	0.02	18.72	19	1.067	62.90	0.187	0.20
	LTE 41	QPSK20M	Left Cheek	40185	50	0	Ant 4	1	1	0.01	18.72	19	1.067	62.90	0.187	0.20
	LTE 41	QPSK20M	Left Tilted	40185	50	0	Ant 4	1	1	0.19	18.72	19	1.067	62.90	0.115	0.12
	LTE 41	QPSK20M	Right Cheek	40185	100	0	Ant 4	1	1	-0.14	18.71	19	1.069	62.90	0.553	0.59
	LTE 41	QPSK20M	Right Cheek	39750	1	0	Ant 4	1	1	0.13	18.84	19	1.038	62.90	0.481	0.50
	LTE 41	QPSK20M	Right Cheek	40620	1	0	Ant 4	1	1	-0.02	18.87	19	1.030	62.90	0.735	0.76
	LTE 41	QPSK20M	Right Cheek	41055	1	0	Ant 4	1	1	0.01	18.81	19	1.045	62.90	0.898	0.94
15	LTE 41	QPSK20M	Right Cheek	41490	1	0	Ant 4	1	1	-0.06	18.84	19	1.038	62.90	1.08	1.12
	LTE 41	QPSK20M	Right Cheek	41490	1	0	Ant 4	2	1	0	18.84	19	1.038	62.90	1.02	1.06
	LTE 41	QPSK20M	Right Cheek	41490	1	0	Ant 4	1	1	-0.02	18.84	19	1.038	62.90	1.05	1.09
SA																
	LTE 42	QPSK20M	Right Cheek	42623	1	0	Ant 2	1	1	-0.07	19.98	20	1.005	62.90	0.125	0.13
	LTE 42	QPSK20M	Right Tilted	42623	1	0	Ant 2	1	1	-0.11	19.98	20	1.005	62.90	0.103	0.10
	LTE 42	QPSK20M	Left Cheek	42623	1	0	Ant 2	1	1	-0.1	19.98	20	1.005	62.90	0.573	0.58
	LTE 42	QPSK20M	Left Tilted	42623	1	0	Ant 2	1	1	0	19.98	20	1.005	62.90	0.255	0.26
	LTE 42	QPSK20M	Right Cheek	42623	50	0	Ant 2	1	1	0.05	19.7	20	1.072	62.90	0.123	0.13
	LTE 42	QPSK20M	Right Tilted	42623	50	0	Ant 2	1	1	-0.03	19.7	20	1.072	62.90	0.099	0.11
	LTE 42	QPSK20M	Left Cheek	42623	50	0	Ant 2	1	1	-0.17	19.7	20	1.072	62.90	0.531	0.57
	LTE 42	QPSK20M	Left Tilted	42623	50	0	Ant 2	1	1	-0.11	19.7	20	1.072	62.90	0.253	0.27
	LTE 42	QPSK20M	Left Cheek	42190	1	0	Ant 2	1	1	0.08	19.96	20	1.009	62.90	0.545	0.55
	LTE 42	QPSK20M	Left Cheek	43057	1	0	Ant 2	1	1	-0.07	19.99	20	1.002	62.90	0.615	0.62
16	LTE 42	QPSK20M	Left Cheek	43490	1	0	Ant 2	1	1	-0.06	19.96	20	1.009	62.90	0.672	0.68
	LTE 42	QPSK20M	Left Cheek	43490	1	0	Ant 2	2	1	0.02	19.96	20	1.009	62.90	0.638	0.64
	CA_42C	QPSK20M	Left Cheek	PCC:41690 SCC:41888	PCC:1 SCC:1	PCC:99 SCC:0	Ant 2	1	1	-0.05	19.89	20	1.026	62.90	0.622	0.64
SA																
	LTE 48	QPSK20M	Right Cheek	55340	1	0	Ant 2	1	1	0.13	19.99	20	1.002	62.90	0.152	0.15
	LTE 48	QPSK20M	Right Tilted	55340	1	0	Ant 2	1	1	0.13	19.99	20	1.002	62.90	0.125	0.13
	LTE 48	QPSK20M	Left Cheek	55340	1	0	Ant 2	1	1	-0.18	19.99	20	1.002	62.90	0.686	0.69
	LTE 48	QPSK20M	Left Tilted	55340	1	0	Ant 2	1	1	-0.01	19.99	20	1.002	62.90	0.31	0.31
	LTE 48	QPSK20M	Right Cheek	55340	50	0	Ant 2	1	1	0.13	19.72	20	1.067	62.90	0.149	0.16
	LTE 48	QPSK20M	Right Tilted	55340	50	0	Ant 2	1	1	-0.01	19.72	20	1.067	62.90	0.121	0.13
	LTE 48	QPSK20M	Left Cheek	55340	50	0	Ant 2	1	1	-0.19	19.72	20	1.067	62.90	0.637	0.68
	LTE 48	QPSK20M	Left Tilted	55340	50	0	Ant 2	1	1	-0.05	19.72	20	1.067	62.90	0.307	0.33
	LTE 48	QPSK20M	Left Cheek	55773	1	0	Ant 2	1	1	-0.04	19.98	20	1.005	62.90	0.689	0.69
	LTE 48	QPSK20M	Left Cheek	56207	1	0	Ant 2	1	1	-0.18	19.94	20	1.014	62.90	0.728	0.74
17	LTE 48	QPSK20M	Left Cheek	56640	1	0	Ant 2	1	1	0.09	19.96	20	1.009	62.90	0.75	0.76
	LTE 48	QPSK20M	Left Cheek	56640	1	0	Ant 2	2	1	0.1	19.96	20	1.009	62.90	0.716	0.72
	CA_48C	QPSK20M	Left Cheek	PCC:56207 SCC:56405	PCC:1 SCC:1	PCC:99 SCC:0	Ant 2	1	1	0.01	19.97	20	1.007	62.90	0.729	0.73
ENDC																
	LTE 48	QPSK20M	Right Cheek	55340	1	0	Ant 2	1	1	0.13	19.99	18	0.632	62.90	0.152	0.10
	LTE 48	QPSK20M	Right Tilted	55340	1	0	Ant 2	1	1	0.13	19.99	18	0.632	62.90	0.125	0.08
	LTE 48	QPSK20M	Left Cheek	55340	1	0	Ant 2	1	1	-0.18	19.99	18	0.632	62.90	0.686	0.43
	LTE 48	QPSK20M	Left Tilted	55340	1	0	Ant 2	1	1	-0.01	19.99	18	0.632	62.90	0.31	0.20
	LTE 48	QPSK20M	Right Cheek	55340	50	0	Ant 2	1	1	0.13	19.72	18	0.673	62.90	0.149	0.10
	LTE 48	QPSK20M	Right Tilted	55340	50	0	Ant 2	1	1	-0.01	19.72	18	0.673	62.90	0.121	0.08
	LTE 48	QPSK20M	Left Cheek	55340	50	0	Ant 2	1	1	-0.19	19.72	18	0.673	62.90	0.637	0.43
	LTE 48	QPSK20M	Left Tilted	55340	50	0	Ant 2	1	1	-0.05	19.72	18	0.673	62.90	0.307	0.21
	LTE 48	QPSK20M	Left Cheek	55773	1	0	Ant 2	1	1	-0.04	19.98	18	0.634	62.90	0.689	0.44
	LTE 48	QPSK20M	Left Cheek	56207	1	0	Ant 2	1	1	-0.18	19.94	18	0.640	62.90	0.728	0.47
	LTE 48	QPSK20M	Left Cheek	56640	1	0	Ant 2	1	1	0.09	19.96	18	0.637	62.90	0.75	0.48
	LTE 48	QPSK20M	Left Cheek	56640	1	0	Ant 2	2	1	0.1	19.96	18	0.637	62.90	0.716	0.46

Index	Band	Modulation	Test Position	Channel	RB Size	RB Offset	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR _{1g} (W/kg)	Reported SAR _{1g} (W/kg)
ENDC & Inter Band UL CA															
18	LTE 66	QPSK20M	Right Cheek	132072	1	0	Ant 1	1	1	-0.16	22.72	24	1.343	0.054	0.07
	LTE 66	QPSK20M	Right Tilted	132072	1	0	Ant 1	1	1	0.03	22.72	24	1.343	0.024	0.03
	LTE 66	QPSK20M	Left Cheek	132072	1	0	Ant 1	1	1	0.04	22.72	24	1.343	0.029	0.04
	LTE 66	QPSK20M	Left Tilted	132072	1	0	Ant 1	1	1	0.16	22.72	24	1.343	0.022	0.03
	LTE 66	QPSK20M	Right Cheek	132072	50	0	Ant 1	1	1	0.01	22.1	23	1.230	0.042	0.05
	LTE 66	QPSK20M	Right Tilted	132072	50	0	Ant 1	1	1	0.08	22.1	23	1.230	0.02	0.02
	LTE 66	QPSK20M	Left Cheek	132072	50	0	Ant 1	1	1	0.03	22.1	23	1.230	0.024	0.03
	LTE 66	QPSK20M	Left Tilted	132072	50	0	Ant 1	1	1	-0.06	22.1	23	1.230	0.018	0.02
	LTE 66	QPSK20M	Right Cheek	132322	1	0	Ant 1	1	1	-0.1	22.43	24	1.435	0.052	0.07
	LTE 66	QPSK20M	Right Cheek	132572	1	0	Ant 1	1	1	0.19	22.178	24	1.521	0.048	0.07
	LTE 66	QPSK20M	Right Cheek	132072	1	0	Ant 1	2	1	-0.13	22.72	24	1.343	0.051	0.07
SA															
	LTE 66	QPSK20M	Right Cheek	132322	1	0	Ant 2	1	1	0.12	19.98	20	1.005	0.287	0.29
	LTE 66	QPSK20M	Right Tilted	132322	1	0	Ant 2	1	1	-0.17	19.98	20	1.005	0.261	0.26
	LTE 66	QPSK20M	Left Cheek	132322	1	0	Ant 2	1	1	-0.15	19.98	20	1.005	0.719	0.72
	LTE 66	QPSK20M	Left Tilted	132322	1	0	Ant 2	1	1	0.12	19.98	20	1.005	0.261	0.26
	LTE 66	QPSK20M	Right Cheek	132322	50	0	Ant 2	1	1	-0.13	19.79	20	1.050	0.259	0.27
	LTE 66	QPSK20M	Right Tilted	132322	50	0	Ant 2	1	1	-0.07	19.79	20	1.050	0.241	0.25
	LTE 66	QPSK20M	Left Cheek	132322	50	0	Ant 2	1	1	-0.15	19.79	20	1.050	0.675	0.71
	LTE 66	QPSK20M	Left Tilted	132322	50	0	Ant 2	1	1	-0.14	19.79	20	1.050	0.282	0.30
	LTE 66	QPSK20M	Left Cheek	132322	100	0	Ant 2	1	1	0.08	19.77	20	1.054	0.585	0.62
	LTE 66	QPSK20M	Left Cheek	132072	1	0	Ant 2	1	1	-0.15	19.97	20	1.007	0.618	0.62
19	LTE 66	QPSK20M	Left Cheek	132572	1	0	Ant 2	1	1	-0.01	19.96	20	1.009	0.826	0.83
	LTE 66	QPSK20M	Left Cheek	132572	1	0	Ant 2	2	1	-0.07	19.96	20	1.009	0.789	0.80
	LTE 66	QPSK20M	Left Cheek	132572	1	0	Ant 2	1	1	0.04	19.96	20	1.009	0.809	0.82
	CA_66C	QPSK20M	Right Cheek	PCC:132572 SCC:132374	PCC:1 SCC:1	PCC:0 SCC:99	Ant 2	1	1	-0.1	19.69	20	1.074	0.735	0.79
ENDC & Inter Band UL CA															
	LTE 66	QPSK20M	Right Cheek	132322	1	0	Ant 2	1	1	0.12	19.98	18	0.634	0.287	0.18
	LTE 66	QPSK20M	Right Tilted	132322	1	0	Ant 2	1	1	-0.17	19.98	18	0.634	0.261	0.17
	LTE 66	QPSK20M	Left Cheek	132322	1	0	Ant 2	1	1	-0.15	19.98	18	0.634	0.719	0.46
	LTE 66	QPSK20M	Left Tilted	132322	1	0	Ant 2	1	1	0.12	19.98	18	0.634	0.261	0.17
	LTE 66	QPSK20M	Right Cheek	132322	50	0	Ant 2	1	1	-0.13	19.79	18	0.662	0.259	0.17
	LTE 66	QPSK20M	Right Tilted	132322	50	0	Ant 2	1	1	-0.07	19.79	18	0.662	0.241	0.16
	LTE 66	QPSK20M	Left Cheek	132322	50	0	Ant 2	1	1	-0.15	19.79	18	0.662	0.675	0.45
	LTE 66	QPSK20M	Left Tilted	132322	50	0	Ant 2	1	1	-0.14	19.79	18	0.662	0.282	0.19
	LTE 66	QPSK20M	Left Cheek	132322	100	0	Ant 2	1	1	0.08	19.77	18	0.665	0.585	0.39
	LTE 66	QPSK20M	Left Cheek	132072	1	0	Ant 2	1	1	-0.15	19.97	18	0.635	0.618	0.39
	LTE 66	QPSK20M	Left Cheek	132572	1	0	Ant 2	1	1	-0.01	19.96	18	0.637	0.826	0.53
	LTE 66	QPSK20M	Left Cheek	132572	1	0	Ant 2	2	1	-0.07	19.96	18	0.637	0.789	0.50
	LTE 66	QPSK20M	Left Cheek	132572	1	0	Ant 2	1	1	0.04	19.96	18	0.637	0.809	0.52
ENDC															
20	5GNR n2	DFT-s QPSK20M	Right Cheek	380000	1	1	Ant 1	1	1	-0.04	23.42	24	1.143	0.422	0.48
	5GNR n2	DFT-s QPSK20M	Right Tilted	380000	1	1	Ant 1	1	1	-0.06	23.42	24	1.143	0.206	0.24
	5GNR n2	DFT-s QPSK20M	Left Cheek	380000	1	1	Ant 1	1	1	-0.04	23.42	24	1.143	0.243	0.28
	5GNR n2	DFT-s QPSK20M	Left Tilted	380000	1	1	Ant 1	1	1	0.16	23.42	24	1.143	0.185	0.21
	5GNR n2	DFT-s QPSK20M	Right Cheek	380000	50	28	Ant 1	1	1	0.04	23.34	24	1.164	0.396	0.46
	5GNR n2	DFT-s QPSK20M	Right Tilted	380000	50	28	Ant 1	1	1	-0.07	23.34	24	1.164	0.207	0.24
	5GNR n2	DFT-s QPSK20M	Left Cheek	380000	50	28	Ant 1	1	1	-0.08	23.34	24	1.164	0.22	0.26
	5GNR n2	DFT-s QPSK20M	Left Tilted	380000	50	28	Ant 1	1	1	0.13	23.34	24	1.164	0.181	0.21
	5GNR n2	DFT-s QPSK20M	Right Cheek	372000	1	1	Ant 1	1	1	0.09	23.24	24	1.191	0.376	0.45
	5GNR n2	DFT-s QPSK20M	Right Cheek	376000	1	1	Ant 1	1	1	-0.19	23.38	24	1.153	0.404	0.47
	5GNR n2	DFT-s QPSK20M	Right Cheek	380000	1	1	Ant 1	2	1	0.03	23.42	24	1.143	0.402	0.46
SA															
	5GNR n2	DFT-s QPSK20M	Right Cheek	372000	1	1	Ant 2	1	1	0.13	18.97	19	1.007	0.191	0.19
	5GNR n2	DFT-s QPSK20M	Right Tilted	372000	1	1	Ant 2	1	1	0.12	18.97	19	1.007	0.174	0.18
21	5GNR n2	DFT-s QPSK20M	Left Cheek	372000	1	1	Ant 2	1	1	-0.06	18.97	19	1.007	0.521	0.52
	5GNR n2	DFT-s QPSK20M	Left Tilted	372000	1	1	Ant 2	1	1	-0.07	18.97	19	1.007	0.203	0.20
	5GNR n2	DFT-s QPSK20M	Right Cheek	372000	50	28	Ant 2	1	1	0.06	18.92	19	1.019	0.189	0.19
	5GNR n2	DFT-s QPSK20M	Right Tilted	372000	50	28	Ant 2	1	1	-0.03	18.92	19	1.019	0.175	0.18
	5GNR n2	DFT-s QPSK20M	Left Cheek	372000	50	28	Ant 2	1	1	-0.05	18.92	19	1.019	0.504	0.51
	5GNR n2	DFT-s QPSK20M	Left Tilted	372000	50	28	Ant 2	1	1	-0.11	18.92	19	1.019	0.205	0.21
	5GNR n2	DFT-s QPSK20M	Left Cheek	376000	1	1	Ant 2	1	1	0.02	18.95	19	1.012	0.506	0.51
	5GNR n2	DFT-s QPSK20M	Left Cheek	380000	1	1	Ant 2	1	1	0.12	18.96	19	1.009	0.478	0.48
	5GNR n2	DFT-s QPSK20M	Left Cheek	372000	1	1	Ant 2	2	1	0.02	18.97	19	1.007	0.492	0.50
ENDC															
	5GNR n2	DFT-s QPSK20M	Right Cheek	372000	1	1	Ant 2	1	1	0.13	18.97	17	0.635	0.191	0.12
	5GNR n2	DFT-s QPSK20M	Right Tilted	372000	1	1	Ant 2	1	1	0.12	18.97	17	0.635	0.174	0.11
	5GNR n2	DFT-s QPSK20M	Left Cheek	372000	1	1	Ant 2	1	1	-0.06	18.97	17	0.635	0.521	0.33
	5GNR n2	DFT-s QPSK20M	Left Tilted	372000	1	1	Ant 2	1	1	-0.07	18.97	17	0.635	0.203	0.13
	5GNR n2	DFT-s QPSK20M	Right Cheek	372000	50	28	Ant 2	1	1	0.06	18.92	17	0.643	0.189	0.12
	5GNR n2	DFT-s QPSK20M	Right Tilted	372000	50	28	Ant 2	1	1	-0.03	18.92	17	0.643	0.175	0.11
	5GNR n2	DFT-s QPSK20M	Left Cheek	372000	50	28	Ant 2	1	1	-0.05	18.92	17	0.643	0.504	0.32
	5GNR n2	DFT-s QPSK20M	Left Tilted	372000	50	28	Ant 2	1	1	-0.11	18.92	17	0.643	0.205	0.13
	5GNR n2	DFT-s QPSK20M	Left Cheek	376000	1	1	Ant 2	1	1	0.02	18.95	17	0.638	0.506	0.32
	5GNR n2	DFT-s QPSK20M	Left Cheek	380000	1	1	Ant 2	1	1	0.12	18.96	17	0.637	0.478	0.30
	5GNR n2	DFT-s QPSK20M	Left Cheek	372000	1	1	Ant 2	2	1	0.02	18.97	17	0.635	0.492	0.31

Index	Band	Modulation	Test Position	Channel	RB Size	RB Offset	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR _{1g} (W/kg)	Reported SAR _{1g} (W/kg)
SA															
	5GNR n5	DFT-s QPSK20M	Right Cheek	166800	1	1	Ant 0	1	1	0.02	23.7	24.5	1.202	0.862	1.04
	5GNR n5	DFT-s QPSK20M	Right Tilted	166800	1	1	Ant 0	1	1	0.03	23.7	24.5	1.202	0.839	1.01
	5GNR n5	DFT-s QPSK20M	Left Cheek	166800	1	1	Ant 0	1	1	-0.1	23.7	24.5	1.202	0.78	0.94
	5GNR n5	DFT-s QPSK20M	Left Tilted	166800	1	1	Ant 0	1	1	-0.18	23.7	24.5	1.202	0.64	0.77
	5GNR n5	DFT-s QPSK20M	Right Cheek	166800	50	28	Ant 0	1	1	-0.04	23.64	24.5	1.219	0.832	1.01
	5GNR n5	DFT-s QPSK20M	Right Tilted	166800	50	28	Ant 0	1	1	0.13	23.64	24.5	1.219	0.834	1.02
	5GNR n5	DFT-s QPSK20M	Left Cheek	166800	50	28	Ant 0	1	1	0.19	23.64	24.5	1.219	0.722	0.88
	5GNR n5	DFT-s QPSK20M	Left Tilted	166800	50	28	Ant 0	1	1	-0.16	23.64	24.5	1.219	0.641	0.78
	5GNR n5	DFT-s QPSK20M	Right Cheek	166800	100	0	Ant 0	1	1	0.06	22.81	23.5	1.172	0.676	0.79
	5GNR n5	DFT-s QPSK20M	Right Tilted	166800	100	0	Ant 0	1	1	-0.12	22.81	23.5	1.172	0.658	0.77
	5GNR n5	DFT-s QPSK20M	Left Cheek	166800	100	0	Ant 0	1	1	-0.03	22.81	23.5	1.172	0.612	0.72
22	5GNR n5	DFT-s QPSK20M	Right Cheek	167300	1	1	Ant 0	1	1	0.04	23.68	24.5	1.208	0.876	1.06
	5GNR n5	DFT-s QPSK20M	Right Cheek	167800	1	1	Ant 0	1	1	-0.03	23.66	24.5	1.213	0.857	1.04
	5GNR n5	DFT-s QPSK20M	Right Tilted	167300	1	1	Ant 0	1	1	0.19	23.68	24.5	1.208	0.845	1.02
	5GNR n5	DFT-s QPSK20M	Right Tilted	167800	1	1	Ant 0	1	1	0.01	23.66	24.5	1.213	0.834	1.01
	5GNR n5	DFT-s QPSK20M	Left Cheek	167300	1	1	Ant 0	1	1	-0.14	23.68	24.5	1.208	0.785	0.95
	5GNR n5	DFT-s QPSK20M	Left Cheek	167800	1	1	Ant 0	1	1	0.03	23.66	24.5	1.213	0.775	0.94
	5GNR n5	DFT-s QPSK20M	Right Cheek	167300	50	28	Ant 0	1	1	0.06	23.61	24.5	1.227	0.838	1.03
	5GNR n5	DFT-s QPSK20M	Right Cheek	167800	50	28	Ant 0	1	1	-0.17	23.57	24.5	1.239	0.827	1.02
	5GNR n5	DFT-s QPSK20M	Right Tilted	167300	50	28	Ant 0	1	1	0.08	23.61	24.5	1.227	0.84	1.03
	5GNR n5	DFT-s QPSK20M	Right Tilted	167800	50	28	Ant 0	1	1	0.1	23.57	24.5	1.239	0.829	1.03
	5GNR n5	DFT-s QPSK20M	Left Cheek	167300	50	28	Ant 0	1	1	-0.05	23.61	24.5	1.227	0.727	0.89
	5GNR n5	DFT-s QPSK20M	Left Cheek	167800	50	28	Ant 0	1	1	-0.12	23.57	24.5	1.239	0.718	0.89
	5GNR n5	DFT-s QPSK20M	Right Cheek	167300	1	1	Ant 0	2	1	-0.14	23.68	24.5	1.208	0.837	1.01
	5GNR n5	DFT-s QPSK20M	Right Cheek	167300	1	1	Ant 0	1	1	0.15	23.68	24.5	1.208	0.851	1.03
ENDC															
	5GNR n5	DFT-s QPSK20M	Right Cheek	166800	1	1	Ant 0	1	1	0.02	23.7	21.5	0.603	0.862	0.52
	5GNR n5	DFT-s QPSK20M	Right Tilted	166800	1	1	Ant 0	1	1	0.03	23.7	21.5	0.603	0.839	0.51
	5GNR n5	DFT-s QPSK20M	Left Cheek	166800	1	1	Ant 0	1	1	-0.1	23.7	21.5	0.603	0.78	0.47
	5GNR n5	DFT-s QPSK20M	Left Tilted	166800	1	1	Ant 0	1	1	-0.18	23.7	21.5	0.603	0.64	0.39
	5GNR n5	DFT-s QPSK20M	Right Cheek	166800	50	28	Ant 0	1	1	-0.04	23.64	21.5	0.611	0.832	0.51
	5GNR n5	DFT-s QPSK20M	Right Tilted	166800	50	28	Ant 0	1	1	0.13	23.64	21.5	0.611	0.834	0.51
	5GNR n5	DFT-s QPSK20M	Left Cheek	166800	50	28	Ant 0	1	1	0.19	23.64	21.5	0.611	0.722	0.44
	5GNR n5	DFT-s QPSK20M	Left Tilted	166800	50	28	Ant 0	1	1	-0.16	23.64	21.5	0.611	0.641	0.39
	5GNR n5	DFT-s QPSK20M	Right Cheek	166800	100	0	Ant 0	1	1	0.06	22.81	21.5	0.740	0.676	0.50
	5GNR n5	DFT-s QPSK20M	Right Tilted	166800	100	0	Ant 0	1	1	-0.12	22.81	21.5	0.740	0.658	0.49
	5GNR n5	DFT-s QPSK20M	Left Cheek	166800	100	0	Ant 0	1	1	-0.03	22.81	21.5	0.740	0.612	0.45
	5GNR n5	DFT-s QPSK20M	Right Cheek	167300	1	1	Ant 0	1	1	0.04	23.68	21.5	0.605	0.876	0.53
	5GNR n5	DFT-s QPSK20M	Right Cheek	167800	1	1	Ant 0	1	1	-0.03	23.66	21.5	0.608	0.857	0.52
	5GNR n5	DFT-s QPSK20M	Right Tilted	167300	1	1	Ant 0	1	1	0.19	23.68	21.5	0.605	0.845	0.51
	5GNR n5	DFT-s QPSK20M	Right Tilted	167800	1	1	Ant 0	1	1	0.01	23.66	21.5	0.608	0.834	0.51
	5GNR n5	DFT-s QPSK20M	Left Cheek	167300	1	1	Ant 0	1	1	-0.14	23.68	21.5	0.605	0.785	0.48
	5GNR n5	DFT-s QPSK20M	Left Cheek	167800	1	1	Ant 0	1	1	0.03	23.66	21.5	0.608	0.775	0.47
	5GNR n5	DFT-s QPSK20M	Right Cheek	167300	50	28	Ant 0	1	1	0.06	23.61	21.5	0.615	0.838	0.52
	5GNR n5	DFT-s QPSK20M	Right Cheek	167800	50	28	Ant 0	1	1	-0.17	23.57	21.5	0.621	0.827	0.51
	5GNR n5	DFT-s QPSK20M	Right Tilted	167300	50	28	Ant 0	1	1	0.08	23.61	21.5	0.615	0.84	0.52
	5GNR n5	DFT-s QPSK20M	Right Tilted	167800	50	28	Ant 0	1	1	0.1	23.57	21.5	0.621	0.829	0.51
	5GNR n5	DFT-s QPSK20M	Left Cheek	167300	50	28	Ant 0	1	1	-0.05	23.61	21.5	0.615	0.727	0.45
	5GNR n5	DFT-s QPSK20M	Left Cheek	167800	50	28	Ant 0	1	1	-0.12	23.57	21.5	0.621	0.718	0.45
	5GNR n5	DFT-s QPSK20M	Right Cheek	167300	1	1	Ant 0	2	1	-0.14	23.68	21.5	0.605	0.837	0.51
	5GNR n5	DFT-s QPSK20M	Right Cheek	167300	1	1	Ant 0	1	1	0.15	23.68	21.5	0.605	0.851	0.52
SA															
	5GNR n7	DFT-s QPSK40M	Right Cheek	507000	1	1	Ant 4	1	1	0.06	17.98	18	1.005	0.619	0.62
	5GNR n7	DFT-s QPSK40M	Right Tilted	507000	1	1	Ant 4	1	1	-0.1	17.98	18	1.005	0.221	0.22
	5GNR n7	DFT-s QPSK40M	Left Cheek	507000	1	1	Ant 4	1	1	0	17.98	18	1.005	0.217	0.22
	5GNR n7	DFT-s QPSK40M	Left Tilted	507000	1	1	Ant 4	1	1	-0.18	17.98	18	1.005	0.133	0.13
	5GNR n7	DFT-s QPSK40M	Right Cheek	507000	108	54	Ant 4	1	1	-0.11	17.94	18	1.014	0.591	0.60
	5GNR n7	DFT-s QPSK40M	Right Tilted	507000	108	54	Ant 4	1	1	0.08	17.94	18	1.014	0.184	0.19
	5GNR n7	DFT-s QPSK40M	Left Cheek	507000	108	54	Ant 4	1	1	-0.1	17.94	18	1.014	0.198	0.20
	5GNR n7	DFT-s QPSK40M	Left Tilted	507000	108	54	Ant 4	1	1	-0.08	17.94	18	1.014	0.123	0.12
	5GNR n7	DFT-s QPSK40M	Right Cheek	504000	1	1	Ant 4	1	1	-0.13	17.95	18	1.012	0.574	0.58
23	5GNR n7	DFT-s QPSK40M	Right Cheek	510000	1	1	Ant 4	1	1	-0.17	17.96	18	1.009	0.637	0.64
	5GNR n7	DFT-s QPSK40M	Right Cheek	510000	1	1	Ant 4	2	1	-0.09	17.96	18	1.009	0.609	0.61
ENDC															
	5GNR n7	DFT-s QPSK40M	Right Cheek	507000	1	1	Ant 4	1	1	0.06	17.98	16	0.634	0.619	0.39
	5GNR n7	DFT-s QPSK40M	Right Tilted	507000	1	1	Ant 4	1	1	-0.1	17.98	16	0.634	0.221	0.14
	5GNR n7	DFT-s QPSK40M	Left Cheek	507000	1	1	Ant 4	1	1	0	17.98	16	0.634	0.217	0.14
	5GNR n7	DFT-s QPSK40M	Left Tilted	507000	1	1	Ant 4	1	1	-0.18	17.98	16	0.634	0.133	0.08
	5GNR n7	DFT-s QPSK40M	Right Cheek	507000	108	54	Ant 4	1	1	-0.11	17.94	16	0.640	0.591	0.38
	5GNR n7	DFT-s QPSK40M	Right Tilted	507000	108	54	Ant 4	1	1	0.08	17.94	16	0.640	0.184	0.12
	5GNR n7	DFT-s QPSK40M	Left Cheek	507000	108	54	Ant 4	1	1	-0.1	17.94	16	0.640	0.198	0.13
	5GNR n7	DFT-s QPSK40M	Left Tilted	507000	108	54	Ant 4	1	1	-0.08	17.94	16	0.640	0.123	0.08
	5GNR n7	DFT-s QPSK40M	Right Cheek	504000	1	1	Ant 4	1	1	-0.13	17.95	16	0.638	0.574	0.37
	5GNR n7	DFT-s QPSK40M	Right Cheek	510000	1	1	Ant 4	1	1	-0.17	17.96	16	0.637	0.637	0.41
	5GNR n7	DFT-s QPSK40M	Right Cheek	510000	1	1	Ant 4	2	1	-0.09	17.96	16	0.637	0.609	0.39
SA															
24	5GNR n14	DFT-s QPSK10M	Right Cheek	158600	1	1	Ant 0	1	1	0	23.55	24	1.109	0.601	0.67
	5GNR n14	DFT-s QPSK10M	Right Tilted	158600	1	1	Ant 0	1	1	0.19	23.55	24	1.109	0.591	0.66
	5GNR n14	DFT-s QPSK10M	Left Cheek	15											

Index	Band	Modulation	Test Position	Channel	RB Size	RB Offset	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR _{1g} (W/kg)	Reported SAR _{1g} (W/kg)
SA & ENDC															
25	5GNR n30	DFT-s QPSK10M	Right Cheek	462000	1	1	Ant 6	1	1	-0.16	19.98	20	1.005	0.552	0.55
	5GNR n30	DFT-s QPSK10M	Right Tilted	462000	1	1	Ant 6	1	1	0.12	19.98	20	1.005	0.275	0.28
	5GNR n30	DFT-s QPSK10M	Left Cheek	462000	1	1	Ant 6	1	1	0.12	19.98	20	1.005	0.196	0.20
	5GNR n30	DFT-s QPSK10M	Left Tilted	462000	1	1	Ant 6	1	1	-0.01	19.98	20	1.005	0.123	0.12
	5GNR n30	DFT-s QPSK10M	Right Cheek	462000	25	14	Ant 6	1	1	0.16	19.84	20	1.038	0.522	0.54
	5GNR n30	DFT-s QPSK10M	Right Tilted	462000	25	14	Ant 6	1	1	-0.04	19.84	20	1.038	0.271	0.28
	5GNR n30	DFT-s QPSK10M	Left Cheek	462000	25	14	Ant 6	1	1	0.06	19.84	20	1.038	0.193	0.20
	5GNR n30	DFT-s QPSK10M	Left Tilted	462000	25	14	Ant 6	1	1	-0.04	19.84	20	1.038	0.121	0.13
	5GNR n30	DFT-s QPSK10M	Right Cheek	462000	1	1	Ant 6	2	1	-0.18	19.98	20	1.005	0.522	0.52
	SA & ENDC														
27	5GNR n41	DFT-s QPSK100M	Right Cheek	509202	1	1	Ant 4	1	1	0.05	18.98	18	0.798	0.713	0.57
	5GNR n41	DFT-s QPSK100M	Right Tilted	509202	1	1	Ant 4	1	1	0.13	18.98	18	0.798	0.261	0.21
	5GNR n41	DFT-s QPSK100M	Left Cheek	509202	1	1	Ant 4	1	1	-0.09	18.98	18	0.798	0.249	0.20
	5GNR n41	DFT-s QPSK100M	Left Tilted	509202	1	1	Ant 4	1	1	0.1	18.98	18	0.798	0.153	0.12
	5GNR n41	DFT-s QPSK100M	Right Cheek	509202	135	69	Ant 4	1	1	0.16	18.92	18	0.809	0.68	0.55
	5GNR n41	DFT-s QPSK100M	Right Tilted	509202	135	69	Ant 4	1	1	-0.06	18.92	18	0.809	0.227	0.18
	5GNR n41	DFT-s QPSK100M	Left Cheek	509202	135	69	Ant 4	1	1	0.04	18.92	18	0.809	0.227	0.18
	5GNR n41	DFT-s QPSK100M	Left Tilted	509202	135	69	Ant 4	1	1	-0.05	18.92	18	0.809	0.141	0.11
	5GNR n41	DFT-s QPSK100M	Right Cheek	509202	270	0	Ant 4	1	1	-0.01	18.79	18	0.834	0.578	0.48
	5GNR n41	DFT-s QPSK100M	Right Cheek	513900	1	1	Ant 4	1	1	0.17	18.97	18	0.800	0.807	0.65
	5GNR n41	DFT-s QPSK100M	Right Cheek	518598	1	1	Ant 4	1	1	0.15	18.85	18	0.822	0.891	0.73
	5GNR n41	DFT-s QPSK100M	Right Cheek	523302	1	1	Ant 4	1	1	0.01	18.89	18	0.815	0.967	0.79
	5GNR n41	DFT-s QPSK100M	Right Cheek	528000	1	1	Ant 4	1	1	-0.08	18.92	18	0.809	1.06	0.86
	5GNR n41	DFT-s QPSK100M	Right Cheek	528000	1	1	Ant 4	2	1	-0.13	18.92	18	0.809	1.01	0.82
	5GNR n41	DFT-s QPSK100M	Right Cheek	528000	1	1	Ant 4	1	1	-0.17	18.92	18	0.809	1.04	0.84
SA															
28	5GNR n48	DFT-s QPSK40M	Right Cheek	645332	1	1	Ant 2	1	1	0.12	19.98	20	1.005	0.164	0.16
	5GNR n48	DFT-s QPSK40M	Right Tilted	645332	1	1	Ant 2	1	1	-0.03	19.98	20	1.005	0.135	0.14
	5GNR n48	DFT-s QPSK40M	Left Cheek	645332	1	1	Ant 2	1	1	0.07	19.98	20	1.005	0.73	0.73
	5GNR n48	DFT-s QPSK40M	Left Tilted	645332	1	1	Ant 2	1	1	0	19.98	20	1.005	0.334	0.34
	5GNR n48	DFT-s QPSK40M	Right Cheek	645332	50	28	Ant 2	1	1	-0.08	19.95	20	1.012	0.161	0.16
	5GNR n48	DFT-s QPSK40M	Right Tilted	645332	50	28	Ant 2	1	1	-0.18	19.95	20	1.012	0.131	0.13
	5GNR n48	DFT-s QPSK40M	Left Cheek	645332	50	28	Ant 2	1	1	0.05	19.95	20	1.012	0.712	0.72
	5GNR n48	DFT-s QPSK40M	Left Tilted	645332	50	28	Ant 2	1	1	-0.19	19.95	20	1.012	0.331	0.33
	5GNR n48	DFT-s QPSK40M	Left Cheek	638000	1	1	Ant 2	1	1	0.06	19.93	20	1.016	0.674	0.68
	5GNR n48	DFT-s QPSK40M	Left Cheek	640444	1	1	Ant 2	1	1	-0.16	19.96	20	1.009	0.689	0.70
	5GNR n48	DFT-s QPSK40M	Left Cheek	642888	1	1	Ant 2	1	1	-0.09	19.94	20	1.014	0.637	0.65
	5GNR n48	DFT-s QPSK40M	Left Cheek	645332	1	1	Ant 2	2	1	0.09	19.98	20	1.005	0.701	0.70
ENDC															
29	5GNR n66	DFT-s QPSK40M	Right Cheek	349000	1	1	Ant 1	1	1	0.03	22.61	24	1.377	0.133	0.18
	5GNR n66	DFT-s QPSK40M	Right Tilted	349000	1	1	Ant 1	1	1	-0.12	22.61	24	1.377	0.063	0.09
	5GNR n66	DFT-s QPSK40M	Left Cheek	349000	1	1	Ant 1	1	1	-0.1	22.61	24	1.377	0.075	0.10
	5GNR n66	DFT-s QPSK40M	Left Tilted	349000	1	1	Ant 1	1	1	0.17	22.61	24	1.377	0.057	0.08
	5GNR n66	DFT-s QPSK40M	Right Cheek	349000	108	54	Ant 1	1	1	-0.1	22.51	24	1.409	0.124	0.17
	5GNR n66	DFT-s QPSK40M	Right Tilted	349000	108	54	Ant 1	1	1	-0.19	22.51	24	1.409	0.065	0.09
	5GNR n66	DFT-s QPSK40M	Left Cheek	349000	108	54	Ant 1	1	1	-0.16	22.51	24	1.409	0.069	0.10
	5GNR n66	DFT-s QPSK40M	Left Tilted	349000	108	54	Ant 1	1	1	0.09	22.51	24	1.409	0.056	0.08
	5GNR n66	DFT-s QPSK40M	Right Cheek	346000	1	1	Ant 1	1	1	-0.03	22.59	24	1.384	0.127	0.18
	5GNR n66	DFT-s QPSK40M	Right Cheek	352000	1	1	Ant 1	1	1	0.09	22.36	24	1.459	0.125	0.18
	5GNR n66	DFT-s QPSK40M	Right Cheek	349000	1	1	Ant 1	2	1	-0.06	22.61	24	1.377	0.125	0.17
	SA														
30	5GNR n66	DFT-s QPSK40M	Right Cheek	346000	1	1	Ant 2	1	1	-0.04	19.97	20	1.007	0.202	0.20
	5GNR n66	DFT-s QPSK40M	Right Tilted	346000	1	1	Ant 2	1	1	-0.16	19.97	20	1.007	0.184	0.19
	5GNR n66	DFT-s QPSK40M	Left Cheek	346000	1	1	Ant 2	1	1	0.02	19.97	20	1.007	0.599	0.60
	5GNR n66	DFT-s QPSK40M	Left Tilted	346000	1	1	Ant 2	1	1	-0.05	19.97	20	1.007	0.218	0.22
	5GNR n66	DFT-s QPSK40M	Right Cheek	346000	108	54	Ant 2	1	1	-0.15	19.96	20	1.009	0.216	0.22
	5GNR n66	DFT-s QPSK40M	Right Tilted	346000	108	54	Ant 2	1	1	-0.12	19.96	20	1.009	0.201	0.20
	5GNR n66	DFT-s QPSK40M	Left Cheek	346000	108	54	Ant 2	1	1	-0.19	19.96	20	1.009	0.579	0.58
	5GNR n66	DFT-s QPSK40M	Left Tilted	346000	108	54	Ant 2	1	1	0.17	19.96	20	1.009	0.235	0.24
	5GNR n66	DFT-s QPSK40M	Left Cheek	349000	1	1	Ant 2	1	1	0.07	19.96	20	1.009	0.705	0.71
	5GNR n66	DFT-s QPSK40M	Left Cheek	352000	1	1	Ant 2	1	1	0.13	19.91	20	1.021	0.762	0.78
	5GNR n66	DFT-s QPSK40M	Left Cheek	352000	1	1	Ant 2	2	1	-0.04	19.91	20	1.021	0.719	0.73
	ENDC														
31	5GNR n66	DFT-s QPSK40M	Right Cheek	346000	1	1	Ant 2	1	1	-0.04	19.97	18	0.635	0.202	0.13
	5GNR n66	DFT-s QPSK40M	Right Tilted	346000	1	1	Ant 2	1	1	-0.16	19.97	18	0.635	0.184	0.12
	5GNR n66	DFT-s QPSK40M	Left Cheek	346000	1	1	Ant 2	1	1	0.02	19.97	18	0.635	0.599	0.38
	5GNR n66	DFT-s QPSK40M	Left Tilted	346000	1	1	Ant 2	1	1	-0.05	19.97	18	0.635	0.218	0.14
	5GNR n66	DFT-s QPSK40M	Right Cheek	346000	108	54	Ant 2	1	1	-0.15	19.96	18	0.637	0.216	0.14
	5GNR n66	DFT-s QPSK40M	Right Tilted	346000	108	54	Ant 2	1	1	-0.12	19.96	18	0.637	0.201	0.13
	5GNR n66	DFT-s QPSK40M	Left Cheek	346000	108	54	Ant 2	1	1	-0.19	19.96	18	0.637	0.579	0.37
	5GNR n66	DFT-s QPSK40M	Left Tilted	346000	108	54	Ant 2	1	1	0.17	19.96	18	0.637	0.235	0.15
	5GNR n66	DFT-s QPSK40M	Left Cheek	349000	1	1	Ant 2	1	1	0.07	19.96	18	0.637	0.705	0.45
	5GNR n66	DFT-s QPSK40M	Left Cheek	352000	1	1	Ant 2	1	1	0.13	19.91	18	0.644	0.762	0.49
	SA														
	31	5GNR n70	DFT-s QPSK10M	Right Cheek	340000	1	1	Ant 2	1	1	0.07	19.98	20	1.005	0.223
5GNR n70		DFT-s QPSK10M	Right Tilted	340000	1	1	Ant 2	1	1	0.12	19.98	20	1.005	0.203	0.20
5GNR n70		DFT-s QPSK10M	Left Cheek	340000	1	1	Ant 2	1	1	0.03	19.98	20	1.005	0.594	0.60
5GNR n70		DFT-s QPSK10M	Left Tilted	340000	1	1	Ant 2	1	1	0.14	19.98	20	1.005	0.216	0.22
5GNR n70		DFT-s QPSK10M	Right Cheek	340000	25	14	Ant 2	1	1	-0.07	19.96	20	1.009	0.214	0.22
5GNR n70		DFT-s QPSK10M	Right Tilted	340000	25	14	Ant 2	1	1	-0.13	19.96	20	1.009	0.199	0.20
5GNR n70		DFT-s QPSK10M	Left Cheek	340000	25	14	Ant 2	1	1	-0.09	19.96	20	1.009	0.573	0.58
5GNR n70		DFT-s QPSK10M	Left Tilted	340000	25	14	Ant 2	1	1	0.15	19.96	20	1.009	0.232	0.23
5GNR n70		DFT-s QPSK10M	Left Cheek	340500	1	1	Ant 2	1	1	-0.06	19.96	20	1.009	0.549	0.55
5GNR n70		DFT-s QPSK10M	Left Cheek	341000	1	1	Ant 2	1	1	0.05	19.95	20	1.012	0.564	0.57
5GNR n70	DFT-s QPSK10M	Left Cheek	340000	1	1	Ant 2	2	1	0.1	19.98	20	1.005	0.561	0.56	

Index	Band	Modulation	Test Position	Channel	RB Size	RB Offset	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR _{1g} (W/kg)	Reported SAR _{1g} (W/kg)
SA															
	5GNR n71	DFT-s QPSK20M	Right Cheek	136100	1	1	Ant 0	1	1	-0.1	23.51	24	1.119	0.518	0.58
	5GNR n71	DFT-s QPSK20M	Right Tilted	136100	1	1	Ant 0	1	1	0	23.51	24	1.119	0.461	0.52
	5GNR n71	DFT-s QPSK20M	Left Cheek	136100	1	1	Ant 0	1	1	0.05	23.51	24	1.119	0.496	0.56
	5GNR n71	DFT-s QPSK20M	Left Tilted	136100	1	1	Ant 0	1	1	-0.13	23.51	24	1.119	0.409	0.46
	5GNR n71	DFT-s QPSK20M	Right Cheek	136100	50	28	Ant 0	1	1	-0.01	23.47	24	1.130	0.51	0.58
	5GNR n71	DFT-s QPSK20M	Right Tilted	136100	50	28	Ant 0	1	1	-0.11	23.47	24	1.130	0.453	0.51
	5GNR n71	DFT-s QPSK20M	Left Cheek	136100	50	28	Ant 0	1	1	-0.15	23.47	24	1.130	0.488	0.55
	5GNR n71	DFT-s QPSK20M	Left Tilted	136100	50	28	Ant 0	1	1	-0.11	23.47	24	1.130	0.402	0.45
32	5GNR n71	DFT-s QPSK20M	Right Cheek	134600	1	1	Ant 0	1	1	0.08	23.49	24	1.125	0.533	0.60
	5GNR n71	DFT-s QPSK20M	Right Cheek	137600	1	1	Ant 0	1	1	-0.03	23.46	24	1.132	0.522	0.59
	5GNR n71	DFT-s QPSK20M	Right Cheek	134600	1	1	Ant 0	2	1	0.17	23.49	24	1.125	0.505	0.57
ENDC															
	5GNR n71	DFT-s QPSK20M	Right Cheek	136100	1	1	Ant 0	1	1	-0.1	23.51	21	0.561	0.518	0.29
	5GNR n71	DFT-s QPSK20M	Right Tilted	136100	1	1	Ant 0	1	1	0	23.51	21	0.561	0.461	0.26
	5GNR n71	DFT-s QPSK20M	Left Cheek	136100	1	1	Ant 0	1	1	0.05	23.51	21	0.561	0.496	0.28
	5GNR n71	DFT-s QPSK20M	Left Tilted	136100	1	1	Ant 0	1	1	-0.13	23.51	21	0.561	0.409	0.23
	5GNR n71	DFT-s QPSK20M	Right Cheek	136100	50	28	Ant 0	1	1	-0.01	23.47	21	0.566	0.51	0.29
	5GNR n71	DFT-s QPSK20M	Right Tilted	136100	50	28	Ant 0	1	1	-0.11	23.47	21	0.566	0.453	0.26
	5GNR n71	DFT-s QPSK20M	Left Cheek	136100	50	28	Ant 0	1	1	-0.15	23.47	21	0.566	0.488	0.28
	5GNR n71	DFT-s QPSK20M	Left Tilted	136100	50	28	Ant 0	1	1	-0.11	23.47	21	0.566	0.402	0.23
	5GNR n71	DFT-s QPSK20M	Right Cheek	134600	1	1	Ant 0	1	1	0.08	23.49	21	0.564	0.533	0.30
	5GNR n71	DFT-s QPSK20M	Right Cheek	137600	1	1	Ant 0	1	1	-0.03	23.46	21	0.568	0.522	0.30
	5GNR n71	DFT-s QPSK20M	Right Cheek	134600	1	1	Ant 0	2	1	0.17	23.49	21	0.564	0.505	0.28
SA															
	5GNR n78	DFT-s QPSK100M	Right Cheek	640000	1	1	Ant 2	1	1	-0.14	19.98	20	1.005	0.165	0.17
	5GNR n78	DFT-s QPSK100M	Right Tilted	640000	1	1	Ant 2	1	1	0.14	19.98	20	1.005	0.136	0.14
	5GNR n78	DFT-s QPSK100M	Left Cheek	640000	1	1	Ant 2	1	1	0.16	19.98	20	1.005	0.734	0.74
	5GNR n78	DFT-s QPSK100M	Left Tilted	640000	1	1	Ant 2	1	1	-0.1	19.98	20	1.005	0.337	0.34
	5GNR n78	DFT-s QPSK100M	Right Cheek	640000	135	69	Ant 2	1	1	-0.18	19.94	20	1.014	0.162	0.16
	5GNR n78	DFT-s QPSK100M	Right Tilted	640000	135	69	Ant 2	1	1	0.13	19.94	20	1.014	0.132	0.13
	5GNR n78	DFT-s QPSK100M	Left Cheek	640000	135	69	Ant 2	1	1	0.06	19.94	20	1.014	0.716	0.73
	5GNR n78	DFT-s QPSK100M	Left Tilted	640000	135	69	Ant 2	1	1	0	19.94	20	1.014	0.334	0.34
	5GNR n78	DFT-s QPSK100M	Left Cheek	633332	1	1	Ant 2	1	1	0.06	19.97	20	1.007	0.572	0.58
33	5GNR n78	DFT-s QPSK100M	Left Cheek	641110	1	1	Ant 2	1	1	0.03	19.93	20	1.016	0.746	0.76
	5GNR n78	DFT-s QPSK100M	Left Cheek	642222	1	1	Ant 2	1	1	0.07	19.94	20	1.014	0.738	0.75
	5GNR n78	DFT-s QPSK100M	Left Cheek	643332	1	1	Ant 2	1	1	-0.19	19.95	20	1.012	0.716	0.72
	5GNR n78	DFT-s QPSK100M	Left Cheek	641110	1	1	Ant 2	2	1	-0.18	19.93	20	1.016	0.707	0.72
ENDC															
	5GNR n78	DFT-s QPSK100M	Right Cheek	640000	1	1	Ant 2	1	1	-0.14	19.98	18	0.634	0.165	0.10
	5GNR n78	DFT-s QPSK100M	Right Tilted	640000	1	1	Ant 2	1	1	0.14	19.98	18	0.634	0.136	0.09
	5GNR n78	DFT-s QPSK100M	Left Cheek	640000	1	1	Ant 2	1	1	0.16	19.98	18	0.634	0.734	0.47
	5GNR n78	DFT-s QPSK100M	Left Tilted	640000	1	1	Ant 2	1	1	-0.1	19.98	18	0.634	0.337	0.21
	5GNR n78	DFT-s QPSK100M	Right Cheek	640000	135	69	Ant 2	1	1	-0.18	19.94	18	0.640	0.162	0.10
	5GNR n78	DFT-s QPSK100M	Right Tilted	640000	135	69	Ant 2	1	1	0.13	19.94	18	0.640	0.132	0.08
	5GNR n78	DFT-s QPSK100M	Left Cheek	640000	135	69	Ant 2	1	1	0.06	19.94	18	0.640	0.716	0.46
	5GNR n78	DFT-s QPSK100M	Left Tilted	640000	135	69	Ant 2	1	1	0	19.94	18	0.640	0.334	0.21
	5GNR n78	DFT-s QPSK100M	Left Cheek	633332	1	1	Ant 2	1	1	0.06	19.97	18	0.635	0.572	0.36
	5GNR n78	DFT-s QPSK100M	Left Cheek	641110	1	1	Ant 2	1	1	0.03	19.93	18	0.641	0.746	0.48
	5GNR n78	DFT-s QPSK100M	Left Cheek	642222	1	1	Ant 2	1	1	0.07	19.94	18	0.640	0.738	0.47
	5GNR n78	DFT-s QPSK100M	Left Cheek	643332	1	1	Ant 2	1	1	-0.19	19.95	18	0.638	0.716	0.46
	5GNR n78	DFT-s QPSK100M	Left Cheek	641110	1	1	Ant 2	2	1	-0.18	19.93	18	0.641	0.707	0.45

Index	Band	Modulation	Test Position	Channel	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	Duty Cycle (%)	Duty Cycle Scaling Factor	SAR _{1.0} (W/kg)	Reported SAR _{1.0} (W/kg)
	WLAN2.4G	802.11b	Right Cheek	6	Ant 7	1	Set 0	0.1	17.9	18	1.023	98.78	1.012	0.398	0.41
	WLAN2.4G	802.11b	Right Tilted	6	Ant 7	1	Set 0	-0.16	17.9	18	1.023	98.78	1.012	0.332	0.34
	WLAN2.4G	802.11b	Left Cheek	6	Ant 7	1	Set 0	0.01	17.9	18	1.023	98.78	1.012	0.934	0.97
	WLAN2.4G	802.11b	Left Tilted	6	Ant 7	1	Set 0	-0.08	17.9	18	1.023	98.78	1.012	0.666	0.69
34	WLAN2.4G	802.11b	Left Cheek	1	Ant 7	1	Set 0	-0.04	17.84	18	1.038	98.78	1.012	1.11	1.17
	WLAN2.4G	802.11b	Left Cheek	11	Ant 7	1	Set 0	-0.11	17.86	18	1.033	98.78	1.012	1.07	1.12
	WLAN2.4G	802.11b	Left Cheek	1	Ant 7	2	Set 0	0.05	17.79	18	1.050	98.78	1.012	1.05	1.12
	WLAN2.4G	802.11b	Left Cheek	1	Ant 7	1	Set 0	0.06	17.79	18	1.050	98.78	1.012	1.08	1.15
	WLAN2.4G	802.11b	Right Cheek	6	Ant 7	1	Set 2	0.01	10.49	10.5	1.002	98.78	1.012	0.065	0.07
	WLAN2.4G	802.11b	Right Tilted	6	Ant 7	1	Set 2	0.07	10.49	10.5	1.002	98.78	1.012	0.054	0.05
	WLAN2.4G	802.11b	Left Cheek	6	Ant 7	1	Set 2	-0.06	10.49	10.5	1.002	98.78	1.012	0.149	0.15
	WLAN2.4G	802.11b	Left Tilted	6	Ant 7	1	Set 2	-0.01	10.49	10.5	1.002	98.78	1.012	0.105	0.11
35	WLAN2.4G	802.11b	Left Cheek	1	Ant 7	1	Set 2	0.12	10.44	10.5	1.014	98.78	1.012	0.197	0.20
	WLAN2.4G	802.11b	Left Cheek	11	Ant 7	1	Set 2	-0.03	10.48	10.5	1.005	98.78	1.012	0.189	0.19
	WLAN2.4G	802.11b	Left Cheek	1	Ant 7	2	Set 2	0.12	10.44	10.5	1.014	98.78	1.012	0.187	0.19
	WLAN5.2G	802.11a	Right Cheek	40	Ant 7	1	Set 0	0.1	15.49	15.5	1.002	99.19	1.008	0.148	0.15
	WLAN5.2G	802.11a	Right Tilted	40	Ant 7	1	Set 0	-0.04	15.49	15.5	1.002	99.19	1.008	0.187	0.19
	WLAN5.2G	802.11a	Left Cheek	40	Ant 7	1	Set 0	-0.03	15.49	15.5	1.002	99.19	1.008	0.497	0.50
36	WLAN5.2G	802.11a	Left Tilted	40	Ant 7	1	Set 0	0.18	15.49	15.5	1.002	99.19	1.008	0.557	0.56
	WLAN5.2G	802.11a	Left Tilted	36	Ant 7	1	Set 0	0.04	15.39	15.5	1.026	99.19	1.008	0.53	0.55
	WLAN5.2G	802.11a	Left Tilted	44	Ant 7	1	Set 0	0.09	15.31	15.5	1.045	99.19	1.008	0.517	0.54
	WLAN5.2G	802.11a	Left Tilted	48	Ant 7	1	Set 0	0.09	15.26	15.5	1.057	99.19	1.008	0.511	0.54
	WLAN5.2G	802.11a	Left Tilted	40	Ant 7	2	Set 0	-0.1	15.49	15.5	1.002	99.19	1.008	0.534	0.54
	WLAN5.2G	802.11a	Right Cheek	40	Ant 7	1	Set 2	-0.19	9.99	10	1.002	99.19	1.008	0.028	0.03
	WLAN5.2G	802.11a	Right Tilted	40	Ant 7	1	Set 2	-0.12	9.99	10	1.002	99.19	1.008	0.035	0.04
	WLAN5.2G	802.11a	Left Cheek	40	Ant 7	1	Set 2	0.11	9.99	10	1.002	99.19	1.008	0.095	0.10
37	WLAN5.2G	802.11a	Left Tilted	40	Ant 7	1	Set 2	0.17	9.99	10	1.002	99.19	1.008	0.108	0.11
	WLAN5.2G	802.11a	Left Tilted	36	Ant 7	1	Set 2	-0.19	9.97	10	1.007	99.19	1.008	0.102	0.10
	WLAN5.2G	802.11a	Left Tilted	44	Ant 7	1	Set 2	0.08	9.93	10	1.016	99.19	1.008	0.099	0.10
	WLAN5.2G	802.11a	Left Tilted	48	Ant 7	1	Set 2	0.14	9.73	10	1.064	99.19	1.008	0.097	0.10
	WLAN5.2G	802.11a	Left Tilted	40	Ant 7	2	Set 2	-0.04	9.99	10	1.002	99.19	1.008	0.103	0.10
	WLAN5.3G	802.11a	Right Cheek	52	Ant 7	1	Set 0	-0.14	15.49	15.5	1.002	99.19	1.008	0.172	0.17
	WLAN5.3G	802.11a	Right Tilted	52	Ant 7	1	Set 0	0.11	15.49	15.5	1.002	99.19	1.008	0.215	0.22
	WLAN5.3G	802.11a	Left Cheek	52	Ant 7	1	Set 0	0.18	15.49	15.5	1.002	99.19	1.008	0.574	0.58
	WLAN5.3G	802.11a	Left Tilted	52	Ant 7	1	Set 0	-0.05	15.49	15.5	1.002	99.19	1.008	0.642	0.65
	WLAN5.3G	802.11a	Left Tilted	56	Ant 7	1	Set 0	-0.01	15.31	15.5	1.045	99.19	1.008	0.604	0.64
	WLAN5.3G	802.11a	Left Tilted	60	Ant 7	1	Set 0	-0.11	15.23	15.5	1.064	99.19	1.008	0.641	0.69
38	WLAN5.3G	802.11a	Left Tilted	64	Ant 7	1	Set 0	0.18	15.21	15.5	1.069	99.19	1.008	0.731	0.79
	WLAN5.3G	802.11a	Left Tilted	64	Ant 7	2	Set 0	0.02	15.21	15.5	1.069	99.19	1.008	0.689	0.74
	WLAN5.3G	802.11a	Right Cheek	52	Ant 7	1	Set 2	-0.05	9.95	10	1.012	99.19	1.008	0.042	0.04
	WLAN5.3G	802.11a	Right Tilted	52	Ant 7	1	Set 2	0.05	9.95	10	1.012	99.19	1.008	0.053	0.05
	WLAN5.3G	802.11a	Left Cheek	52	Ant 7	1	Set 2	-0.18	9.95	10	1.012	99.19	1.008	0.141	0.14
	WLAN5.3G	802.11a	Left Tilted	52	Ant 7	1	Set 2	-0.16	9.95	10	1.012	99.19	1.008	0.158	0.16
	WLAN5.3G	802.11a	Left Tilted	56	Ant 7	1	Set 2	0.15	9.85	10	1.035	99.19	1.008	0.148	0.15
	WLAN5.3G	802.11a	Left Tilted	60	Ant 7	1	Set 2	0.09	9.88	10	1.028	99.19	1.008	0.157	0.16
39	WLAN5.3G	802.11a	Left Tilted	64	Ant 7	1	Set 2	0.11	9.94	10	1.014	99.19	1.008	0.18	0.18
	WLAN5.3G	802.11a	Left Tilted	64	Ant 7	2	Set 2	-0.04	9.94	10	1.014	99.19	1.008	0.17	0.17
	WLAN5.6G	802.11a	Right Cheek	144	Ant 7	1	Set 0	-0.01	15.47	15.5	1.007	99.19	1.008	0.17	0.17
	WLAN5.6G	802.11a	Right Tilted	144	Ant 7	1	Set 0	-0.06	15.47	15.5	1.007	99.19	1.008	0.214	0.22
	WLAN5.6G	802.11a	Left Cheek	144	Ant 7	1	Set 0	0.13	15.47	15.5	1.007	99.19	1.008	0.568	0.58
	WLAN5.6G	802.11a	Left Tilted	144	Ant 7	1	Set 0	0.09	15.47	15.5	1.007	99.19	1.008	0.636	0.65
	WLAN5.6G	802.11a	Left Tilted	100	Ant 7	1	Set 0	-0.14	15.21	15.5	1.069	99.19	1.008	0.753	0.81
	WLAN5.6G	802.11a	Left Tilted	116	Ant 7	1	Set 0	-0.16	15.28	15.5	1.052	99.19	1.008	0.695	0.74
40	WLAN5.6G	802.11a	Left Tilted	124	Ant 7	1	Set 0	-0.04	15.46	15.5	1.009	99.19	1.008	0.85	0.86
	WLAN5.6G	802.11a	Left Tilted	132	Ant 7	1	Set 0	-0.07	15.26	15.5	1.057	99.19	1.008	0.554	0.59
	WLAN5.6G	802.11a	Left Tilted	140	Ant 7	1	Set 0	0.17	15.24	15.5	1.062	99.19	1.008	0.627	0.67
	WLAN5.6G	802.11a	Left Tilted	124	Ant 7	2	Set 0	0.05	15.46	15.5	1.009	99.19	1.008	0.807	0.82
	WLAN5.6G	802.11a	Left Tilted	124	Ant 7	1	Set 0	0.15	15.46	15.5	1.009	99.19	1.008	0.829	0.84
	WLAN5.6G	802.11a	Right Cheek	144	Ant 7	1	Set 2	-0.03	9.99	10	1.002	99.19	1.008	0.025	0.03
	WLAN5.6G	802.11a	Right Tilted	144	Ant 7	1	Set 2	0.03	9.99	10	1.002	99.19	1.008	0.032	0.03
	WLAN5.6G	802.11a	Left Cheek	144	Ant 7	1	Set 2	0.19	9.99	10	1.002	99.19	1.008	0.085	0.09
	WLAN5.6G	802.11a	Left Tilted	144	Ant 7	1	Set 2	-0.13	9.99	10	1.002	99.19	1.008	0.095	0.10
	WLAN5.6G	802.11a	Left Tilted	100	Ant 7	1	Set 2	-0.03	9.93	10	1.016	99.19	1.008	0.113	0.12
	WLAN5.6G	802.11a	Left Tilted	116	Ant 7	1	Set 2	0.06	9.71	10	1.069	99.19	1.008	0.104	0.11
41	WLAN5.6G	802.11a	Left Tilted	124	Ant 7	1	Set 2	-0.09	9.68	10	1.076	99.19	1.008	0.128	0.14
	WLAN5.6G	802.11a	Left Tilted	132	Ant 7	1	Set 2	-0.17	9.98	10	1.005	99.19	1.008	0.083	0.08
	WLAN5.6G	802.11a	Left Tilted	140	Ant 7	1	Set 2	-0.12	9.94	10	1.014	99.19	1.008	0.094	0.10
	WLAN5.6G	802.11a	Left Tilted	124	Ant 7	2	Set 2	0.07	9.68	10	1.076	99.19	1.008	0.122	0.13
	WLAN5.8G	802.11a	Right Cheek	157	Ant 7	1	Set 0	-0.08	15.49	15.5	1.002	99.19	1.008	0.248	0.25
	WLAN5.8G	802.11a	Right Tilted	157	Ant 7	1	Set 0	-0.1	15.49	15.5	1.002	99.19	1.008	0.312	0.32
	WLAN5.8G	802.11a	Left Cheek	157	Ant 7	1	Set 0	-0.03	15.49	15.5	1.002	99.19	1.008	0.831	0.84
	WLAN5.8G	802.11a	Left Tilted	157	Ant 7	1	Set 0	-0.17	15.49	15.5	1.002	99.19	1.008	0.913	0.92
	WLAN5.8G	802.11a	Left Cheek	149	Ant 7	1	Set 0	0.04	15.47	15.5	1.007	99.19	1.008	0.603	0.61
	WLAN5.8G	802.11a	Left Cheek	165	Ant 7	1	Set 0	-0.04	15.48	15.5	1.005	99.19	1.008	0.85	0.86
	WLAN5.8G	802.11a	Left Tilted	149	Ant 7	1	Set 0	-0.05	15.47	15.5	1.007	99.19	1.008	0.663	0.67
42	WLAN5.8G	802.11a	Left Tilted	165	Ant 7	1	Set 0	-0.09	15.48	15.5	1.005	99.19	1.008	0.934	0.95
	WLAN5.8G	802.11a	Left Tilted	165	Ant 7	2	Set 0	-0.17	15.48	15.5	1.005	99.19	1.008	0.886	0.90
	WLAN5.8G	802.11a	Left Tilted	165	Ant 7	1	Set 0	0.12	15.48	15.5	1.005	99.19	1.008	0.915	0.93

Index.	Band	Modulation	Test Position	Channel	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	Duty Cycle (%)	Duty Cycle Scaling Factor	SAR _{1.0} (W/kg)	Reported SAR _{1.0} (W/kg)
	WLAN5.8G	802.11a	Right Cheek	157	Ant 7	1	Set 2	0.13	9.97	10	1.007	99.19	1.008	0.051	0.05
	WLAN5.8G	802.11a	Right Tilted	157	Ant 7	1	Set 2	0.17	9.97	10	1.007	99.19	1.008	0.064	0.06
	WLAN5.8G	802.11a	Left Cheek	157	Ant 7	1	Set 2	-0.19	9.97	10	1.007	99.19	1.008	0.172	0.17
	WLAN5.8G	802.11a	Left Tilted	157	Ant 7	1	Set 2	-0.06	9.97	10	1.007	99.19	1.008	0.189	0.19
	WLAN5.8G	802.11a	Left Tilted	149	Ant 7	1	Set 2	0.04	9.93	10	1.016	99.19	1.008	0.137	0.14
43	WLAN5.8G	802.11a	Left Tilted	165	Ant 7	1	Set 2	-0.15	9.75	10	1.059	99.19	1.008	0.194	0.21
	WLAN5.8G	802.11a	Left Tilted	165	Ant 7	2	Set 2	-0.16	9.75	10	1.059	99.19	1.008	0.185	0.20
	Bluetooth	GFSK	Right Cheek	39	Ant 7	1	Set 0	-0.08	11.23	12	1.194	100.00	1.000	0.071	0.08
	Bluetooth	GFSK	Right Tilted	39	Ant 7	1	Set 0	-0.02	11.23	12	1.194	100.00	1.000	0.059	0.07
44	Bluetooth	GFSK	Left Cheek	39	Ant 7	1	Set 0	-0.1	11.23	12	1.194	100.00	1.000	0.168	0.20
	Bluetooth	GFSK	Left Tilted	39	Ant 7	1	Set 0	0.14	11.23	12	1.194	100.00	1.000	0.12	0.14
	Bluetooth	GFSK	Left Cheek	0	Ant 7	1	Set 0	-0.14	11.13	12	1.222	100.00	1.000	0.126	0.15
	Bluetooth	GFSK	Left Cheek	78	Ant 7	1	Set 0	0.03	10.76	12	1.330	100.00	1.000	0.119	0.16
	Bluetooth	GFSK	Left Cheek	39	Ant 7	2	Set 0	0.08	11.23	12	1.194	100.00	1.000	0.16	0.19

9.3. Measured and Reported SAR Results for Body-worn

Index.	Band	Modulation	Test Position	Spacing (mm)	Channel	Antenna	Sample	DSI	Power Drift	Meas. Conducted Power (dBm)	Tune-up (dBm)	Tune-up Scaling Factor	SAR _{1g} (W/kg)	Reported SAR _{1g} (W/kg)
45	GSM850	GPRS 2TX Slot	Front Face	15	189	Ant 0	1	2	0.04	29.13	30.0	1.222	0.17	0.21
	GSM850	GPRS 2TX Slot	Rear Face	15	189	Ant 0	1	2	0.12	29.13	30.0	1.222	0.182	0.22
	GSM850	GPRS 2TX Slot	Rear Face	15	128	Ant 0	1	2	-0.11	28.87	30.0	1.297	0.218	0.28
	GSM850	GPRS 2TX Slot	Rear Face	15	251	Ant 0	1	2	-0.03	29.08	30.0	1.236	0.175	0.22
	GSM850	GPRS 2TX Slot	Rear Face	15	128	Ant 0	2	2	-0.09	28.87	30.0	1.297	0.208	0.27
46	GSM1900	GPRS 3TX Slot	Front Face	15	512	Ant 2	1	2	-0.05	25.57	26.5	1.239	0.113	0.14
	GSM1900	GPRS 3TX Slot	Rear Face	15	512	Ant 2	1	2	-0.02	25.57	26.5	1.239	0.216	0.27
	GSM1900	GPRS 3TX Slot	Rear Face	15	661	Ant 2	1	2	-0.18	25.49	26.5	1.262	0.199	0.25
	GSM1900	GPRS 3TX Slot	Rear Face	15	810	Ant 2	1	2	-0.02	25.24	26.5	1.337	0.194	0.26
	GSM1900	GPRS 3TX Slot	Rear Face	15	512	Ant 2	2	2	-0.1	25.57	26.5	1.239	0.21	0.26
47	WCDMA II	RMC12.2K	Front Face	15	9400	Ant 2	1	2	0.17	23.48	23.5	1.005	0.281	0.28
	WCDMA II	RMC12.2K	Rear Face	15	9400	Ant 2	1	2	-0.05	23.48	23.5	1.005	0.335	0.34
	WCDMA II	RMC12.2K	Rear Face	15	9262	Ant 2	1	2	0.05	23.45	23.5	1.012	0.275	0.28
	WCDMA II	RMC12.2K	Rear Face	15	9538	Ant 2	1	2	-0.03	23.47	23.5	1.007	0.338	0.34
	WCDMA II	RMC12.2K	Rear Face	15	9538	Ant 2	2	2	0.05	23.47	23.5	1.007	0.321	0.32
48	WCDMA IV	RMC12.2K	Front Face	15	1413	Ant 2	1	2	0.05	23.49	23.5	1.002	0.207	0.21
	WCDMA IV	RMC12.2K	Rear Face	15	1413	Ant 2	1	2	0.15	23.49	23.5	1.002	0.209	0.21
	WCDMA IV	RMC12.2K	Rear Face	15	1312	Ant 2	1	2	-0.11	23.46	23.5	1.009	0.198	0.20
	WCDMA IV	RMC12.2K	Rear Face	15	1513	Ant 2	1	2	0.01	23.41	23.5	1.021	0.248	0.25
	WCDMA IV	RMC12.2K	Rear Face	15	1513	Ant 2	2	2	0.03	23.41	23.5	1.021	0.235	0.24
49	WCDMA V	RMC12.2K	Front Face	15	4182	Ant 0	1	2	0.07	23.98	24.0	1.005	0.226	0.23
	WCDMA V	RMC12.2K	Rear Face	15	4182	Ant 0	1	2	-0.05	23.98	24.0	1.005	0.254	0.26
	WCDMA V	RMC12.2K	Rear Face	15	4132	Ant 0	1	2	-0.01	23.97	24.0	1.007	0.266	0.27
	WCDMA V	RMC12.2K	Rear Face	15	4233	Ant 0	1	2	-0.09	23.96	24.0	1.009	0.239	0.24
	WCDMA V	RMC12.2K	Rear Face	15	4132	Ant 0	2	2	0.15	23.97	24.0	1.007	0.255	0.26